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8.1 GSM Output Power

GSM-Full Power-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.50	32.45	32.39	33.50	23.31	23.26	23.20	24.31
GPRS (GMSK, 1-Slot)	32.46	32.43	32.36	33.50	23.27	23.24	23.17	24.31
GPRS (GMSK, 2-Slots)	30.34	30.28	30.38	32.00	24.21	24.15	24.25	25.87
GPRS (GMSK, 3-Slots)	28.49	28.41	28.38	30.00	24.07	23.99	23.96	25.58
GPRS (GMSK, 4-Slots)	26.94	26.87	26.86	28.00	23.76	23.69	23.68	24.82
EGPRS (8PSK, 1-Slot)	26.63	26.76	26.61	28.50	17.44	17.57	17.42	19.31
EGPRS (8PSK, 2-Slots)	25.22	24.92	24.83	26.50	19.09	18.79	18.70	20.37
EGPRS (8PSK, 3-Slots)	23.02	22.83	22.88	24.50	18.60	18.41	18.46	20.08
EGPRS (8PSK, 4-Slots)	21.46	21.32	21.74	22.50	18.28	18.14	18.56	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	29.74	29.71	29.61	30.50	20.55	20.52	20.42	21.31
GPRS (GMSK, 1-Slot)	29.73	29.70	29.60	30.50	20.54	20.51	20.41	21.31
GPRS (GMSK, 2-Slots)	27.31	27.30	27.21	29.00	21.18	21.17	21.08	22.87
GPRS (GMSK, 3-Slots)	25.72	25.72	25.63	27.00	21.30	21.30	21.21	22.58
GPRS (GMSK, 4-Slots)	24.23	24.23	24.16	25.00	21.05	21.05	20.98	21.82
EGPRS (8PSK, 1-Slot)	25.85	25.69	25.69	27.50	16.66	16.50	16.50	18.31
EGPRS (8PSK, 2-Slots)	24.31	24.61	24.55	25.50	18.18	18.48	18.42	19.37
EGPRS (8PSK, 3-Slots)	22.47	22.73	22.74	23.50	18.05	18.31	18.32	19.08
EGPRS (8PSK, 4-Slots)	21.06	21.34	21.26	21.50	17.88	18.16	18.08	18.32

GSM-State1&3-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.50	32.45	32.39	33.50	23.31	23.26	23.20	24.31
GPRS (GMSK, 1-Slot)	32.46	32.43	32.36	33.50	23.27	23.24	23.17	24.31
GPRS (GMSK, 2-Slots)	30.34	30.28	30.38	32.00	24.21	24.15	24.25	25.87
GPRS (GMSK, 3-Slots)	28.49	28.41	28.38	30.00	24.07	23.99	23.96	25.58
GPRS (GMSK, 4-Slots)	26.94	26.87	26.86	28.00	23.76	23.69	23.68	24.82
EGPRS (8PSK, 1-Slot)	26.63	26.76	26.61	28.50	17.44	17.57	17.42	19.31
EGPRS (8PSK, 2-Slots)	25.22	24.92	24.83	26.50	19.09	18.79	18.70	20.37
EGPRS (8PSK, 3-Slots)	23.02	22.83	22.88	24.50	18.60	18.41	18.46	20.08
EGPRS (8PSK, 4-Slots)	21.46	21.32	21.74	22.50	18.28	18.14	18.56	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	28.96	28.92	28.83	29.50	19.77	19.73	19.64	20.31
GPRS (GMSK, 1-Slot)	28.98	28.94	28.84	29.50	19.79	19.75	19.65	20.31
GPRS (GMSK, 2-Slots)	26.15	26.16	26.06	28.00	20.02	20.03	19.93	21.87
GPRS (GMSK, 3-Slots)	24.72	24.71	24.61	26.00	20.30	20.29	20.19	21.58
GPRS (GMSK, 4-Slots)	23.24	23.24	23.16	24.00	20.06	20.06	19.98	20.82
EGPRS (8PSK, 1-Slot)	24.96	25.02	24.90	26.50	15.77	15.83	15.71	17.31
EGPRS (8PSK, 2-Slots)	23.49	23.67	23.53	24.50	17.36	17.54	17.40	18.37
EGPRS (8PSK, 3-Slots)	21.50	21.79	21.87	22.50	17.08	17.37	17.45	18.08
EGPRS (8PSK, 4-Slots)	20.11	20.17	20.26	20.50	16.93	16.99	17.08	17.32

GSM-State2&4-Ant.0								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.50	32.45	32.39	33.50	23.31	23.26	23.20	24.31
GPRS (GMSK, 1-Slot)	32.46	32.43	32.36	33.50	23.27	23.24	23.17	24.31
GPRS (GMSK, 2-Slots)	30.34	30.28	30.38	32.00	24.21	24.15	24.25	25.87
GPRS (GMSK, 3-Slots)	28.49	28.41	28.38	30.00	24.07	23.99	23.96	25.58
GPRS (GMSK, 4-Slots)	26.94	26.87	26.86	28.00	23.76	23.69	23.68	24.82
EGPRS (8PSK, 1-Slot)	26.63	26.76	26.61	28.50	17.44	17.57	17.42	19.31
EGPRS (8PSK, 2-Slots)	25.22	24.92	24.83	26.50	19.09	18.79	18.70	20.37
EGPRS (8PSK, 3-Slots)	23.02	22.83	22.88	24.50	18.60	18.41	18.46	20.08
EGPRS (8PSK, 4-Slots)	21.46	21.32	21.74	22.50	18.28	18.14	18.56	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	29.74	29.71	29.61	30.50	20.55	20.52	20.42	21.31
GPRS (GMSK, 1-Slot)	29.73	29.70	29.60	30.50	20.54	20.51	20.41	21.31
GPRS (GMSK, 2-Slots)	27.31	27.30	27.21	29.00	21.18	21.17	21.08	22.87
GPRS (GMSK, 3-Slots)	25.72	25.72	25.63	27.00	21.30	21.30	21.21	22.58
GPRS (GMSK, 4-Slots)	24.23	24.23	24.16	25.00	21.05	21.05	20.98	21.82
EGPRS (8PSK, 1-Slot)	25.85	25.69	25.69	27.50	16.66	16.50	16.50	18.31
EGPRS (8PSK, 2-Slots)	24.31	24.61	24.55	25.50	18.18	18.48	18.42	19.37
EGPRS (8PSK, 3-Slots)	22.47	22.73	22.74	23.50	18.05	18.31	18.32	19.08
EGPRS (8PSK, 4-Slots)	21.06	21.34	21.26	21.50	17.88	18.16	18.08	18.32

8.1 GSM Output Power

GSM-Full Power-Ant.1								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	32.12	32.17	32.24	33.50	22.93	22.98	23.05	24.31
GPRS (GMSK, 1-Slot)	32.05	32.16	32.21	33.50	22.86	22.97	23.02	24.31
GPRS (GMSK, 2-Slots)	30.08	30.12	30.19	32.00	23.95	23.99	24.06	25.87
GPRS (GMSK, 3-Slots)	28.09	28.16	28.22	30.00	23.67	23.74	23.80	25.58
GPRS (GMSK, 4-Slots)	26.45	26.62	26.69	28.00	23.27	23.44	23.51	24.82
EGPRS (8PSK, 1-Slot)	26.87	26.60	26.65	28.50	17.68	17.41	17.46	19.31
EGPRS (8PSK, 2-Slots)	25.27	25.09	24.97	26.50	19.14	18.96	18.84	20.37
EGPRS (8PSK, 3-Slots)	23.24	23.12	23.11	24.50	18.82	18.70	18.69	20.08
EGPRS (8PSK, 4-Slots)	21.75	21.54	21.79	22.50	18.57	18.36	18.61	19.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	29.90	29.60	29.27	30.50	20.71	20.41	20.08	21.31
GPRS (GMSK, 1-Slot)	29.87	29.57	29.22	30.50	20.68	20.38	20.03	21.31
GPRS (GMSK, 2-Slots)	27.48	27.42	27.27	29.00	21.35	21.29	21.14	22.87
GPRS (GMSK, 3-Slots)	25.91	25.67	25.33	27.00	21.49	21.25	20.91	22.58
GPRS (GMSK, 4-Slots)	24.42	24.18	23.87	25.00	21.24	21.00	20.69	21.82
EGPRS (8PSK, 1-Slot)	25.64	25.96	26.04	27.50	16.45	16.77	16.85	18.31
EGPRS (8PSK, 2-Slots)	24.30	24.57	24.68	25.50	18.17	18.44	18.55	19.37
EGPRS (8PSK, 3-Slots)	22.37	22.67	22.76	23.50	17.95	18.25	18.34	19.08
EGPRS (8PSK, 4-Slots)	20.83	21.33	21.40	21.50	17.65	18.15	18.22	18.32

GSM-State1&3-Ant.1								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.12	32.17	32.24	33.50	22.93	22.98	23.05	24.31
GPRS (GMSK, 1-Slot)	32.05	32.16	32.21	33.50	22.86	22.97	23.02	24.31
GPRS (GMSK, 2-Slots)	30.08	30.12	30.19	32.00	23.95	23.99	24.06	25.87
GPRS (GMSK, 3-Slots)	28.09	28.16	28.22	30.00	23.67	23.74	23.80	25.58
GPRS (GMSK, 4-Slots)	26.45	26.62	26.69	28.00	23.27	23.44	23.51	24.82
EGPRS (8PSK, 1-Slot)	26.87	26.60	26.65	28.50	17.68	17.41	17.46	19.31
EGPRS (8PSK, 2-Slots)	25.27	25.09	24.97	26.50	19.14	18.96	18.84	20.37
EGPRS (8PSK, 3-Slots)	23.24	23.12	23.11	24.50	18.82	18.70	18.69	20.08
EGPRS (8PSK, 4-Slots)	21.75	21.54	21.79	22.50	18.57	18.36	18.61	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	26.42	26.59	26.24	26.75	17.23	17.40	17.05	17.56
GPRS (GMSK, 1-Slot)	26.43	26.58	26.23	26.75	17.24	17.39	17.04	17.56
GPRS (GMSK, 2-Slots)	23.61	23.85	23.29	25.25	17.48	17.72	17.16	19.12
GPRS (GMSK, 3-Slots)	22.27	22.07	21.75	23.25	17.85	17.65	17.33	18.83
GPRS (GMSK, 4-Slots)	20.73	20.57	20.25	21.25	17.55	17.39	17.07	18.07
EGPRS (8PSK, 1-Slot)	22.29	22.68	22.83	23.75	13.10	13.49	13.64	14.56
EGPRS (8PSK, 2-Slots)	20.73	21.28	21.45	21.75	14.60	15.15	15.32	15.62
EGPRS (8PSK, 3-Slots)	18.80	19.24	19.53	19.75	14.38	14.82	15.11	15.33
EGPRS (8PSK, 4-Slots)	17.17	17.35	17.41	17.75	13.99	14.17	14.23	14.57

GSM-State2&4-Ant.1								
GSM850 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged power			Tune-up Power(dBm)
	128	190	251		128	190	251	
GSM (GMSK, 1-Slot)	29.56	29.60	29.65	30.50	20.37	20.41	20.46	21.31
GPRS (GMSK, 1-Slot)	29.57	29.63	29.70	30.50	20.38	20.44	20.51	21.31
GPRS (GMSK, 2-Slots)	27.12	27.08	27.16	29.00	20.99	20.95	21.03	22.87
GPRS (GMSK, 3-Slots)	25.11	25.13	25.24	27.00	20.69	20.71	20.82	22.58
GPRS (GMSK, 4-Slots)	23.60	23.68	23.79	25.00	20.42	20.50	20.61	21.82
EGPRS (8PSK, 1-Slot)	24.07	23.88	23.81	25.50	14.88	14.69	14.62	16.31
EGPRS (8PSK, 2-Slots)	22.77	22.33	22.21	23.50	16.64	16.20	16.08	17.37
EGPRS (8PSK, 3-Slots)	20.41	20.19	20.74	21.50	15.99	15.77	16.32	17.08
EGPRS (8PSK, 4-Slots)	18.71	18.66	18.58	19.50	15.53	15.48	15.40	16.32
GSM1900 Band Channel	Burst Average Power(dBm)			Tune-up Power(dBm)	Frame-Averaged			Tune-up Power(dBm)
	512	661	810		512	661	810	
GSM (GMSK, 1-Slot)	23.68	23.88	23.56	24.00	14.49	14.69	14.37	14.81
GPRS (GMSK, 1-Slot)	23.70	23.87	23.54	24.00	14.51	14.68	14.35	14.81
GPRS (GMSK, 2-Slots)	20.95	21.00	20.52	22.50	14.82	14.87	14.39	16.37
GPRS (GMSK, 3-Slots)	19.50	19.34	19.02	20.50	15.08	14.92	14.60	16.08
GPRS (GMSK, 4-Slots)	17.99	17.86	17.54	18.50	14.81	14.68	14.36	15.32
EGPRS (8PSK, 1-Slot)	19.64	20.07	20.42	21.00	10.45	10.88	11.23	11.81
EGPRS (8PSK, 2-Slots)	18.02	18.53	18.98	19.00	11.89	12.40	12.85	12.87
EGPRS (8PSK, 3-Slots)	15.84	16.33	16.74	17.00	11.42	11.91	12.32	12.58
EGPRS (8PSK, 4-Slots)	14.28	14.85	14.71	15.00	11.10	11.67	11.53	11.82

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.40	23.36	23.29	24.00
RMC 12.2Kbps	23.40	23.42	23.35	24.00
HSDPA Subtest-1	22.72	22.55	22.60	24.50
HSDPA Subtest-2	22.77	22.58	22.66	24.50
HSDPA Subtest-3	22.03	22.00	22.09	24.00
HSDPA Subtest-4	22.09	22.18	22.08	24.00
DC-HSDPA Subtest-1	22.62	22.58	22.52	24.50
DC-HSDPA Subtest-2	22.71	22.72	22.58	24.50
DC-HSDPA Subtest-3	22.01	22.02	22.05	24.00
DC-HSDPA Subtest-4	22.19	22.32	22.03	24.00
HSUPA Subtest-1	22.55	22.71	22.52	24.50
HSUPA Subtest-2	21.62	21.46	21.41	22.50
HSUPA Subtest-3	22.31	22.48	22.63	23.50
HSUPA Subtest-4	20.99	20.99	21.18	22.50
HSUPA Subtest-5	22.63	22.62	22.57	24.50
HSPA+(16QAM)	20.60	20.78	20.56	22.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.39	23.32	23.38	24.00
RMC 12.2Kbps	23.47	23.36	23.42	24.00
HSDPA Subtest-1	22.71	22.81	22.63	24.50
HSDPA Subtest-2	22.55	22.68	22.88	24.50
HSDPA Subtest-3	22.22	22.15	22.02	24.00
HSDPA Subtest-4	22.34	22.23	22.31	24.00
DC-HSDPA Subtest-1	22.72	22.77	22.79	24.50
DC-HSDPA Subtest-2	22.63	22.83	22.87	24.50
DC-HSDPA Subtest-3	22.06	22.03	22.06	24.00
DC-HSDPA Subtest-4	22.40	22.13	22.49	24.00
HSUPA Subtest-1	22.60	22.73	22.63	24.50
HSUPA Subtest-2	21.24	21.38	21.22	22.50
HSUPA Subtest-3	21.75	21.80	21.76	23.50
HSUPA Subtest-4	20.73	20.80	20.73	22.50
HSUPA Subtest-5	22.61	22.53	22.69	24.50
HSPA+(16QAM)	20.74	20.98	20.86	22.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.33	23.28	23.37	24.50
RMC 12.2Kbps	23.44	23.43	23.48	24.50
HSDPA Subtest-1	22.57	22.63	22.72	24.50
HSDPA Subtest-2	22.84	22.68	22.52	24.50
HSDPA Subtest-3	22.18	22.00	22.09	23.50
HSDPA Subtest-4	21.80	21.94	21.93	23.50
DC-HSDPA Subtest-1	22.53	22.56	22.60	24.50
DC-HSDPA Subtest-2	22.81	22.77	22.68	24.50
DC-HSDPA Subtest-3	22.26	21.86	22.13	23.50
DC-HSDPA Subtest-4	21.92	21.84	22.06	23.50
HSUPA Subtest-1	22.75	22.69	22.57	24.50
HSUPA Subtest-2	21.29	21.47	21.64	22.50
HSUPA Subtest-3	22.60	22.50	22.57	23.50
HSUPA Subtest-4	21.05	21.00	20.96	22.50
HSUPA Subtest-5	22.61	22.63	22.61	24.50
HSPA+(16QAM)	21.01	21.05	21.04	22.50

WCDMA-State1&3-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	21.31	21.35	21.24	22.00
RMC 12.2Kbps	21.43	21.44	21.38	22.00
HSDPA Subtest-1	20.80	20.69	20.84	22.50
HSDPA Subtest-2	20.73	20.55	20.66	22.50
HSDPA Subtest-3	20.08	20.04	20.03	22.00
HSDPA Subtest-4	20.20	20.10	20.24	22.00
DC-HSDPA Subtest-1	20.78	20.71	21.04	22.50
DC-HSDPA Subtest-2	20.80	20.59	20.70	22.50
DC-HSDPA Subtest-3	20.09	20.14	20.09	22.00
DC-HSDPA Subtest-4	20.29	20.30	20.38	22.00
HSUPA Subtest-1	20.71	20.73	20.70	22.50
HSUPA Subtest-2	19.35	19.55	19.67	20.50
HSUPA Subtest-3	20.37	20.54	20.52	21.50
HSUPA Subtest-4	19.12	19.05	19.11	20.50
HSUPA Subtest-5	20.62	20.68	20.75	22.50
HSPA+(16QAM)	18.74	18.91	18.83	20.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	21.46	21.50	21.43	22.00
RMC 12.2Kbps	21.56	21.50	21.50	22.00
HSDPA Subtest-1	20.62	20.64	20.75	22.50
HSDPA Subtest-2	20.57	20.57	20.57	22.50
HSDPA Subtest-3	20.06	20.10	20.24	22.00
HSDPA Subtest-4	20.10	20.09	20.18	22.00
DC-HSDPA Subtest-1	20.53	20.63	20.84	22.50
DC-HSDPA Subtest-2	20.72	20.73	20.55	22.50
DC-HSDPA Subtest-3	20.07	20.06	20.39	22.00
DC-HSDPA Subtest-4	20.30	20.05	20.17	22.00
HSUPA Subtest-1	20.52	20.53	20.52	22.50
HSUPA Subtest-2	19.48	19.53	19.50	20.50
HSUPA Subtest-3	20.58	20.55	20.55	21.50
HSUPA Subtest-4	19.18	19.08	19.20	20.50
HSUPA Subtest-5	20.59	20.53	20.53	22.50
HSPA+(16QAM)	18.80	18.86	18.83	20.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.33	23.28	23.37	24.50
RMC 12.2Kbps	23.44	23.43	23.48	24.50
HSDPA Subtest-1	22.57	22.63	22.72	24.50
HSDPA Subtest-2	22.84	22.68	22.52	24.50
HSDPA Subtest-3	22.18	22.00	22.09	23.50
HSDPA Subtest-4	21.80	21.94	21.93	23.50
DC-HSDPA Subtest-1	22.53	22.56	22.60	24.50
DC-HSDPA Subtest-2	22.81	22.77	22.68	24.50
DC-HSDPA Subtest-3	22.26	21.86	22.13	23.50
DC-HSDPA Subtest-4	21.92	21.84	22.06	23.50
HSUPA Subtest-1	22.75	22.69	22.57	24.50
HSUPA Subtest-2	21.29	21.47	21.64	22.50
HSUPA Subtest-3	22.60	22.50	22.57	23.50
HSUPA Subtest-4	21.05	21.00	20.96	22.50
HSUPA Subtest-5	22.61	22.63	22.61	24.50
HSPA+(16QAM)	21.01	21.05	21.04	22.50

WCDMA-State2&4-Ant.0				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.40	23.36	23.29	24.00
RMC 12.2Kbps	23.40	23.42	23.35	24.00
HSDPA Subtest-1	22.72	22.55	22.60	24.50
HSDPA Subtest-2	22.77	22.58	22.66	24.50
HSDPA Subtest-3	22.03	22.00	22.09	24.00
HSDPA Subtest-4	22.09	22.18	22.08	24.00
DC-HSDPA Subtest-1	22.62	22.58	22.52	24.50
DC-HSDPA Subtest-2	22.71	22.72	22.58	24.50
DC-HSDPA Subtest-3	22.01	22.02	22.05	24.00
DC-HSDPA Subtest-4	22.19	22.32	22.03	24.00
HSUPA Subtest-1	22.55	22.71	22.52	24.50
HSUPA Subtest-2	21.62	21.46	21.41	22.50
HSUPA Subtest-3	22.31	22.48	22.63	23.50
HSUPA Subtest-4	20.99	20.99	21.18	22.50
HSUPA Subtest-5	22.63	22.62	22.57	24.50
HSPA+(16QAM)	20.60	20.78	20.56	22.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.39	23.32	23.38	24.00
RMC 12.2Kbps	23.47	23.36	23.42	24.00
HSDPA Subtest-1	22.71	22.81	22.63	24.50
HSDPA Subtest-2	22.55	22.68	22.88	24.50
HSDPA Subtest-3	22.22	22.15	22.02	24.00
HSDPA Subtest-4	22.34	22.23	22.31	24.00
DC-HSDPA Subtest-1	22.72	22.77	22.79	24.50
DC-HSDPA Subtest-2	22.63	22.83	22.87	24.50
DC-HSDPA Subtest-3	22.06	22.03	22.06	24.00
DC-HSDPA Subtest-4	22.40	22.13	22.49	24.00
HSUPA Subtest-1	22.60	22.73	22.63	24.50
HSUPA Subtest-2	21.24	21.38	21.22	22.50
HSUPA Subtest-3	21.75	21.80	21.76	23.50
HSUPA Subtest-4	20.73	20.80	20.73	22.50
HSUPA Subtest-5	22.61	22.53	22.69	24.50
HSPA+(16QAM)	20.74	20.98	20.86	22.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.33	23.28	23.37	24.50
RMC 12.2Kbps	23.44	23.43	23.48	24.50
HSDPA Subtest-1	22.57	22.63	22.72	24.50
HSDPA Subtest-2	22.84	22.68	22.52	24.50
HSDPA Subtest-3	22.18	22.00	22.09	23.50
HSDPA Subtest-4	21.80	21.94	21.93	23.50
DC-HSDPA Subtest-1	22.53	22.56	22.60	24.50
DC-HSDPA Subtest-2	22.81	22.77	22.68	24.50
DC-HSDPA Subtest-3	22.26	21.86	22.13	23.50
DC-HSDPA Subtest-4	21.92	21.84	22.06	23.50
HSUPA Subtest-1	22.75	22.69	22.57	24.50
HSUPA Subtest-2	21.29	21.47	21.64	22.50
HSUPA Subtest-3	22.60	22.50	22.57	23.50
HSUPA Subtest-4	21.05	21.00	20.96	22.50
HSUPA Subtest-5	22.61	22.63	22.61	24.50
HSPA+(16QAM)	21.01	21.05	21.04	22.50

8.2 WCDMA Output Power

WCDMA-Full Power-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.45	23.42	23.38	24.00
RMC 12.2Kbps	23.58	23.53	23.46	24.00
HSDPA Subtest-1	22.70	22.59	22.66	24.50
HSDPA Subtest-2	22.68	22.62	22.66	24.50
HSDPA Subtest-3	22.27	22.16	22.03	24.00
HSDPA Subtest-4	22.19	22.14	22.00	24.00
DC-HSDPA Subtest-1	22.59	22.53	22.67	24.50
DC-HSDPA Subtest-2	22.82	22.77	22.86	24.50
DC-HSDPA Subtest-3	22.24	22.12	22.19	24.00
DC-HSDPA Subtest-4	22.09	22.13	22.18	24.00
HSUPA Subtest-1	22.56	22.55	22.59	24.50
HSUPA Subtest-2	21.72	21.64	21.76	22.50
HSUPA Subtest-3	22.53	22.63	22.46	23.50
HSUPA Subtest-4	21.22	21.13	21.18	22.50
HSUPA Subtest-5	22.77	22.58	22.63	24.50
HSPA+(16QAM)	20.79	20.84	20.85	22.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	23.57	23.57	23.60	24.00
RMC 12.2Kbps	23.68	23.65	23.67	24.00
HSDPA Subtest-1	22.72	22.68	22.69	24.50
HSDPA Subtest-2	22.88	22.73	22.71	24.50
HSDPA Subtest-3	22.44	22.29	22.28	24.00
HSDPA Subtest-4	22.12	22.26	22.38	24.00
DC-HSDPA Subtest-1	22.53	22.78	22.52	24.50
DC-HSDPA Subtest-2	22.80	22.76	22.56	24.50
DC-HSDPA Subtest-3	22.53	22.12	22.08	24.00
DC-HSDPA Subtest-4	22.12	22.39	22.42	24.00
HSUPA Subtest-1	22.56	22.69	22.56	24.50
HSUPA Subtest-2	21.87	21.74	21.94	22.50
HSUPA Subtest-3	22.68	22.74	22.61	23.50
HSUPA Subtest-4	21.18	21.29	21.21	22.50
HSUPA Subtest-5	22.67	22.72	22.87	24.50
HSPA+(16QAM)	20.60	20.78	20.65	22.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.02	23.05	22.97	24.50
RMC 12.2Kbps	23.11	23.13	23.09	24.50
HSDPA Subtest-1	22.75	22.63	22.55	24.50
HSDPA Subtest-2	22.79	22.68	22.54	24.50
HSDPA Subtest-3	21.74	21.71	21.83	23.50
HSDPA Subtest-4	21.85	21.65	21.56	23.50
DC-HSDPA Subtest-1	22.65	22.81	22.59	24.50
DC-HSDPA Subtest-2	22.68	22.70	22.52	24.50
DC-HSDPA Subtest-3	21.90	21.73	21.94	23.50
DC-HSDPA Subtest-4	22.02	21.55	21.54	23.50
HSUPA Subtest-1	22.53	22.61	22.52	24.50
HSUPA Subtest-2	21.13	21.18	21.07	22.50
HSUPA Subtest-3	22.41	22.21	22.32	23.50
HSUPA Subtest-4	20.80	20.71	20.66	22.50
HSUPA Subtest-5	22.53	22.54	22.55	24.50
HSPA+(16QAM)	20.69	20.76	20.72	22.50

WCDMA-State1&3-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.74	19.71	19.67	20.25
RMC 12.2Kbps	19.75	19.78	19.74	20.25
HSDPA Subtest-1	18.86	18.85	18.97	20.75
HSDPA Subtest-2	18.87	18.86	19.00	20.75
HSDPA Subtest-3	18.33	18.42	18.33	20.25
HSDPA Subtest-4	18.37	18.38	18.45	20.25
DC-HSDPA Subtest-1	18.96	19.02	18.93	20.75
DC-HSDPA Subtest-2	18.95	18.96	18.85	20.75
DC-HSDPA Subtest-3	18.50	18.62	18.38	20.25
DC-HSDPA Subtest-4	18.54	18.34	18.28	20.25
HSUPA Subtest-1	18.90	18.89	18.83	20.75
HSUPA Subtest-2	18.00	17.88	17.90	18.75
HSUPA Subtest-3	19.01	18.87	18.72	19.75
HSUPA Subtest-4	17.52	17.37	17.23	18.75
HSUPA Subtest-5	18.93	18.81	18.81	20.75
HSPA+(16QAM)	16.98	17.05	17.08	18.75
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.21	20.05	20.05	20.50
RMC 12.2Kbps	20.24	20.19	20.18	20.50
HSDPA Subtest-1	19.42	19.24	19.28	21.00
HSDPA Subtest-2	19.12	19.25	19.28	21.00
HSDPA Subtest-3	18.78	18.80	18.69	20.50
HSDPA Subtest-4	18.95	18.75	18.66	20.50
DC-HSDPA Subtest-1	19.52	19.33	19.33	21.00
DC-HSDPA Subtest-2	19.18	19.09	19.32	21.00
DC-HSDPA Subtest-3	18.82	18.71	18.82	20.50
DC-HSDPA Subtest-4	19.01	18.84	18.73	20.50
HSUPA Subtest-1	19.05	19.08	19.05	21.00
HSUPA Subtest-2	18.31	18.25	18.06	19.00
HSUPA Subtest-3	19.12	19.29	19.28	20.00
HSUPA Subtest-4	17.60	17.80	17.75	19.00
HSUPA Subtest-5	19.06	19.10	19.09	21.00
HSPA+(16QAM)	17.30	17.34	17.28	19.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.47	21.58	21.57	23.00
RMC 12.2Kbps	21.58	21.64	21.58	23.00
HSDPA Subtest-1	21.18	21.12	21.02	23.00
HSDPA Subtest-2	21.18	21.18	21.25	23.00
HSDPA Subtest-3	20.26	20.22	20.14	22.00
HSDPA Subtest-4	20.18	20.16	20.08	22.00
DC-HSDPA Subtest-1	21.30	21.06	21.05	23.00
DC-HSDPA Subtest-2	21.26	21.10	21.24	23.00
DC-HSDPA Subtest-3	20.17	20.38	20.06	22.00
DC-HSDPA Subtest-4	20.04	20.06	20.20	22.00
HSUPA Subtest-1	21.10	21.03	21.08	23.00
HSUPA Subtest-2	19.70	19.66	19.64	21.00
HSUPA Subtest-3	20.53	20.69	20.71	22.00
HSUPA Subtest-4	19.30	19.19	19.28	21.00
HSUPA Subtest-5	21.15	21.07	21.16	23.00
HSPA+(16QAM)	19.30	19.38	19.32	21.00

WCDMA-State2&4-Ant.1				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	16.49	16.49	16.43	17.00
RMC 12.2Kbps	16.50	16.51	16.50	17.00
HSDPA Subtest-1	15.65	15.67	15.76	17.50
HSDPA Subtest-2	15.57	15.59	15.54	17.50
HSDPA Subtest-3	15.05	15.15	15.13	17.00
HSDPA Subtest-4	15.31	15.12	15.00	17.00
DC-HSDPA Subtest-1	15.80	15.70	15.80	17.50
DC-HSDPA Subtest-2	15.59	15.76	15.69	17.50
DC-HSDPA Subtest-3	15.08	15.05	15.30	17.00
DC-HSDPA Subtest-4	15.36	15.14	15.10	17.00
HSUPA Subtest-1	15.56	15.53	15.52	17.50
HSUPA Subtest-2	14.45	14.62	14.75	15.50
HSUPA Subtest-3	15.72	15.64	15.44	16.50
HSUPA Subtest-4	14.27	14.12	14.21	15.50
HSUPA Subtest-5	15.75	15.57	15.67	17.50
HSPA+(16QAM)	13.91	13.95	14.03	15.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	17.10	17.12	17.08	17.50
RMC 12.2Kbps	17.24	17.18	17.19	17.50
HSDPA Subtest-1	16.07	16.23	16.04	18.00
HSDPA Subtest-2	16.20	16.28	16.19	18.00
HSDPA Subtest-3	15.85	15.79	15.83	17.50
HSDPA Subtest-4	15.64	15.77	15.85	17.50
DC-HSDPA Subtest-1	16.10	16.32	16.17	18.00
DC-HSDPA Subtest-2	16.30	16.32	16.15	18.00
DC-HSDPA Subtest-3	16.03	15.89	15.72	17.50
DC-HSDPA Subtest-4	15.72	15.83	15.70	17.50
HSUPA Subtest-1	16.06	16.09	16.07	18.00
HSUPA Subtest-2	15.16	15.23	15.24	16.00
HSUPA Subtest-3	16.15	16.27	16.44	17.00
HSUPA Subtest-4	14.60	14.78	14.72	16.00
HSUPA Subtest-5	16.06	16.08	16.09	18.00
HSPA+(16QAM)	14.23	14.46	14.29	16.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	20.99	21.04	21.06	22.50
RMC 12.2Kbps	21.11	21.11	21.08	22.50
HSDPA Subtest-1	20.55	20.62	20.58	22.50
HSDPA Subtest-2	20.75	20.65	20.66	22.50
HSDPA Subtest-3	19.56	19.69	19.60	21.50
HSDPA Subtest-4	19.64	19.62	19.57	21.50
DC-HSDPA Subtest-1	20.66	20.59	20.65	22.50
DC-HSDPA Subtest-2	20.79	20.65	20.67	22.50
DC-HSDPA Subtest-3	19.59	19.51	19.58	21.50
DC-HSDPA Subtest-4	19.54	19.79	19.66	21.50
HSUPA Subtest-1	20.60	20.56	20.69	22.50
HSUPA Subtest-2	19.35	19.15	19.06	20.50
HSUPA Subtest-3	20.28	20.18	20.37	21.50
HSUPA Subtest-4	18.82	18.69	18.59	20.50
HSUPA Subtest-5	20.58	20.68	20.85	22.50
HSPA+(16QAM)	18.75	18.83	18.80	20.50

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.75	22.64	22.51	23.50	
		MID	QPSK	22.68	22.71	22.42	23.50	
		HIGH	QPSK	22.88	22.66	22.55	23.50	
	3	LOW	QPSK	23.24	23.26	23.10	23.50	
		MID	QPSK	23.10	23.17	23.28	23.50	
		HIGH	QPSK	23.13	23.23	23.06	23.50	
	6	LOW	QPSK	22.19	22.03	22.12	22.50	
	1.4	1	LOW	Q16	22.34	22.33	22.40	22.50
			MID	Q16	22.21	22.48	22.36	22.50
HIGH			Q16	22.24	22.31	22.36	22.50	
3		LOW	Q16	21.24	21.16	21.01	22.50	
		MID	Q16	21.06	21.05	21.17	22.50	
		HIGH	Q16	21.11	21.21	20.99	22.50	
6		LOW	Q16	21.16	21.28	21.04	21.50	
1.4		1	LOW	64QAM	21.20	21.27	21.20	21.50
			MID	64QAM	21.24	21.44	21.20	21.50
	HIGH		64QAM	21.19	21.25	21.25	21.50	
	3	LOW	64QAM	20.29	20.05	19.95	21.50	
		MID	64QAM	20.02	20.28	20.30	21.50	
		HIGH	64QAM	20.16	20.23	20.24	21.50	
	6	LOW	64QAM	20.21	20.43	20.26	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.61	22.78	22.44	23.50
MID			QPSK	22.81	22.76	22.60	23.50	
HIGH			QPSK	22.73	22.54	22.72	23.50	
8		LOW	QPSK	22.14	22.27	22.15	22.50	
		MID	QPSK	22.13	22.25	22.13	22.50	
		HIGH	QPSK	22.13	22.00	22.24	22.50	
15		LOW	QPSK	22.26	22.11	22.06	22.50	
3		1	LOW	Q16	22.20	22.26	22.49	22.50
			MID	Q16	22.14	22.42	22.27	22.50
	HIGH		Q16	22.36	22.32	22.41	22.50	
	8	LOW	Q16	21.09	21.11	20.97	21.50	
		MID	Q16	21.09	21.28	20.99	21.50	
		HIGH	Q16	21.15	20.99	21.09	21.50	
	15	LOW	Q16	21.13	21.09	20.99	21.50	
	3	1	LOW	64QAM	21.10	21.49	21.38	21.50
			MID	64QAM	21.21	21.21	21.11	21.50
HIGH			64QAM	21.17	21.27	21.25	21.50	
8		LOW	64QAM	20.44	19.90	19.97	20.50	
		MID	64QAM	20.02	20.30	20.12	20.50	
		HIGH	64QAM	20.23	20.08	20.14	20.50	
15		LOW	64QAM	20.15	20.42	20.06	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.81	22.70	22.50	23.50
	MID		QPSK	22.76	22.71	22.45	23.50	
	HIGH		QPSK	22.69	22.62	22.53	23.50	
	12	LOW	QPSK	22.09	22.17	22.01	22.50	
		MID	QPSK	22.08	22.04	22.20	22.50	
		HIGH	QPSK	22.15	22.06	21.98	22.50	
	25	LOW	QPSK	22.11	22.29	21.97	22.50	
	5	1	LOW	Q16	22.38	22.35	22.37	22.50
			MID	Q16	22.25	22.47	22.36	22.50
HIGH			Q16	22.29	22.33	22.31	22.50	
12		LOW	Q16	21.20	21.33	20.94	21.50	
		MID	Q16	21.13	21.25	21.10	21.50	
		HIGH	Q16	21.21	21.02	21.22	21.50	
25		LOW	Q16	21.25	21.03	21.10	21.50	
5		1	LOW	64QAM	21.08	21.20	21.23	21.50
			MID	64QAM	21.22	21.24	21.14	21.50
	HIGH		64QAM	21.36	21.34	21.38	21.50	
	12	LOW	64QAM	20.35	19.97	20.04	20.50	
		MID	64QAM	20.08	20.05	20.33	20.50	
		HIGH	64QAM	20.28	20.29	20.01	20.50	
	25	LOW	64QAM	20.33	20.17	20.18	20.50	

LTE B2-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.78	22.79	22.65	23.50	
		MID	QPSK	22.61	22.83	22.67	23.50	
		HIGH	QPSK	22.77	22.46	22.65	23.50	
	25	LOW	QPSK	22.06	22.07	22.21	22.50	
		MID	QPSK	22.06	22.28	22.20	22.50	
		HIGH	QPSK	22.18	22.04	22.06	22.50	
	50	LOW	QPSK	22.24	22.19	22.12	22.50	
	10	1	LOW	Q16	22.30	22.26	22.35	22.50
			MID	Q16	22.15	22.50	22.20	22.50
HIGH			Q16	22.07	22.30	22.35	22.50	
25		LOW	Q16	21.31	21.28	20.98	21.50	
		MID	Q16	21.04	21.00	21.07	21.50	
		HIGH	Q16	21.37	21.24	21.20	21.50	
50		LOW	Q16	21.04	21.01	21.21	21.50	
10		1	LOW	64QAM	21.26	21.36	21.38	21.50
			MID	64QAM	21.36	21.46	21.03	21.50
	HIGH		64QAM	21.12	21.21	21.28	21.50	
	25	LOW	64QAM	20.32	20.19	20.10	20.50	
		MID	64QAM	19.97	20.27	20.12	20.50	
		HIGH	64QAM	20.02	20.13	20.08	20.50	
	50	LOW	64QAM	20.24	20.19	20.17	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.81	22.69	22.56	23.50
MID			QPSK	22.76	22.54	22.62	23.50	
HIGH			QPSK	22.68	22.74	22.52	23.50	
36		LOW	QPSK	22.29	22.23	22.16	22.50	
		MID	QPSK	22.23	22.20	22.27	22.50	
		HIGH	QPSK	22.26	22.14	22.10	22.50	
75		LOW	QPSK	22.14	22.28	22.24	22.50	
15		1	LOW	Q16	22.13	22.26	22.34	22.50
			MID	Q16	22.38	22.33	22.26	22.50
	HIGH		Q16	22.08	22.27	22.45	22.50	
	36	LOW	Q16	21.07	21.18	21.07	21.50	
		MID	Q16	21.16	21.00	21.12	21.50	
		HIGH	Q16	21.17	21.12	21.17	21.50	
	75	LOW	Q16	21.25	21.09	21.06	21.50	
	15	1	LOW	64QAM	21.20	21.38	21.38	21.50
			MID	64QAM	21.21	21.26	21.29	21.50
HIGH			64QAM	21.33	21.28	21.26	21.50	
36		LOW	64QAM	20.17	20.17	19.98	20.50	
		MID	64QAM	20.07	20.29	20.28	20.50	
		HIGH	64QAM	20.11	20.09	20.16	20.50	
75		LOW	64QAM	20.21	20.33	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.72	22.73	22.55	23.50
	MID		QPSK	22.71	22.68	22.57	23.50	
	HIGH		QPSK	22.82	22.61	22.63	23.50	
	50	LOW	QPSK	22.18	22.22	22.12	22.50	
		MID	QPSK	22.20	22.15	22.14	22.50	
		HIGH	QPSK	22.22	22.15	22.11	22.50	
	100	LOW	QPSK	22.19	22.15	22.09	22.50	
	20	1	LOW	Q16	22.24	22.44	22.40	22.50
			MID	Q16	22.26	22.47	22.23	22.50
HIGH			Q16	22.22	22.38	22.50	22.50	
50		LOW	Q16	21.17	21.19	21.06	21.50	
		MID	Q16	21.19	21.15	21.08	21.50	
		HIGH	Q16	21.22	21.13	21.07	21.50	
100		LOW	Q16	21.18	21.15	21.08	21.50	
20		1	LOW	64QAM	21.12	21.47	21.31	21.50
			MID	64QAM	21.28	21.40	21.14	21.50
	HIGH		64QAM	21.23	21.26	21.35	21.50	
	50	LOW	64QAM	20.32	20.05	20.08	20.50	
		MID	64QAM	20.11	20.19	20.22	20.50	
		HIGH	64QAM	20.16	20.14	20.11	20.50	
	100	LOW	64QAM	20.27	20.30	20.12	20.50	

LTE B2-State1&3-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dB m)	
1.4	1	LOW	QPSK	21.26	21.07	21.19	22.00	
		MID	QPSK	21.16	21.25	21.12	22.00	
		HIGH	QPSK	21.13	21.16	21.01	22.00	
	3	LOW	QPSK	21.28	21.05	20.95	22.00	
		MID	QPSK	21.15	21.12	20.95	22.00	
		HIGH	QPSK	21.10	21.02	20.94	22.00	
6	LOW	QPSK	21.23	21.14	20.91	22.00		
1.4	1	LOW	Q16	21.76	21.47	21.22	22.00	
		MID	Q16	21.76	21.55	21.49	22.00	
		HIGH	Q16	21.82	21.45	21.46	22.00	
	3	LOW	Q16	21.05	21.24	21.00	22.00	
		MID	Q16	21.02	20.95	21.10	22.00	
		HIGH	Q16	21.10	21.23	21.13	22.00	
	6	LOW	Q16	21.04	21.17	21.11	21.50	
	1.4	1	LOW	64QAM	21.21	20.92	20.58	21.50
			MID	64QAM	21.12	20.93	21.04	21.50
HIGH			64QAM	21.47	20.93	20.88	21.50	
3		LOW	64QAM	20.57	20.80	20.42	21.50	
		MID	64QAM	20.52	20.44	20.72	21.50	
		HIGH	64QAM	20.49	20.87	20.54	21.50	
6		LOW	64QAM	20.06	20.29	20.09	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dB m)
3		1	LOW	QPSK	21.23	21.04	21.03	22.00
	MID		QPSK	21.14	21.32	20.92	22.00	
	HIGH		QPSK	21.40	21.05	21.30	22.00	
	8	LOW	QPSK	21.04	21.01	21.18	22.00	
		MID	QPSK	21.23	21.23	21.06	22.00	
		HIGH	QPSK	21.21	21.09	21.10	22.00	
15	LOW	QPSK	21.08	21.25	20.95	22.00		
3	1	LOW	Q16	21.59	21.55	21.23	22.00	
		MID	Q16	21.60	21.56	21.35	22.00	
		HIGH	Q16	21.68	21.36	21.54	22.00	
	8	LOW	Q16	21.06	21.23	20.86	21.50	
		MID	Q16	21.07	20.96	20.94	21.50	
		HIGH	Q16	21.05	21.00	21.05	21.50	
	15	LOW	Q16	21.16	21.11	20.99	21.50	
	3	1	LOW	64QAM	21.06	20.84	20.83	21.50
			MID	64QAM	21.31	21.13	20.97	21.50
HIGH			64QAM	21.26	21.11	20.81	21.50	
8		LOW	64QAM	20.22	20.21	20.17	20.50	
		MID	64QAM	20.13	20.20	20.04	20.50	
		HIGH	64QAM	19.99	20.01	20.07	20.50	
15		LOW	64QAM	20.03	20.12	20.06	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dB m)
5		1	LOW	QPSK	21.32	21.14	20.92	22.00
	MID		QPSK	21.06	21.35	21.02	22.00	
	HIGH		QPSK	21.29	21.17	21.09	22.00	
	12	LOW	QPSK	21.11	21.23	21.02	22.00	
		MID	QPSK	21.20	21.00	21.21	22.00	
		HIGH	QPSK	21.07	21.07	21.12	22.00	
25	LOW	QPSK	21.14	21.06	21.04	22.00		
5	1	LOW	Q16	21.84	21.57	21.39	22.00	
		MID	Q16	21.71	21.40	21.41	22.00	
		HIGH	Q16	21.56	21.33	21.62	22.00	
	12	LOW	Q16	21.04	21.09	20.97	21.50	
		MID	Q16	21.24	21.08	20.90	21.50	
		HIGH	Q16	21.24	21.07	20.94	21.50	
	25	LOW	Q16	21.11	20.97	20.86	21.50	
	5	1	LOW	64QAM	21.03	20.88	20.91	21.50
			MID	64QAM	21.40	21.10	20.85	21.50
HIGH			64QAM	21.31	20.97	20.83	21.50	
12		LOW	64QAM	20.03	19.99	20.21	20.50	
		MID	64QAM	20.13	19.99	19.78	20.50	
		HIGH	64QAM	20.00	20.22	20.12	20.50	
25		LOW	64QAM	19.93	19.90	20.09	20.50	

LTE B2-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dB m)	
10	1	LOW	QPSK	21.23	21.20	21.19	22.00	
		MID	QPSK	21.10	21.32	21.13	22.00	
		HIGH	QPSK	21.15	21.26	21.03	22.00	
	25	LOW	QPSK	21.09	21.14	21.09	22.00	
		MID	QPSK	21.07	21.17	21.18	22.00	
		HIGH	QPSK	21.13	21.22	21.15	22.00	
	50	LOW	QPSK	21.16	21.04	21.13	22.00	
	10	1	LOW	Q16	21.72	21.52	21.44	22.00
			MID	Q16	21.64	21.40	21.36	22.00
HIGH			Q16	21.54	21.40	21.59	22.00	
25		LOW	Q16	20.99	21.02	20.99	21.50	
		MID	Q16	21.23	21.18	20.95	21.50	
		HIGH	Q16	21.23	21.20	20.89	21.50	
50		LOW	Q16	21.18	21.00	21.12	21.50	
10		1	LOW	64QAM	21.06	21.06	20.71	21.50
			MID	64QAM	21.41	20.97	21.01	21.50
	HIGH		64QAM	21.27	21.00	20.94	21.50	
	25	LOW	64QAM	20.16	20.15	20.05	20.50	
		MID	64QAM	19.88	19.99	19.81	20.50	
		HIGH	64QAM	20.25	20.20	20.08	20.50	
	50	LOW	64QAM	20.07	19.97	20.06	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dB m)
	15	1	LOW	QPSK	21.11	21.17	21.19	22.00
MID			QPSK	21.20	21.14	21.11	22.00	
HIGH			QPSK	21.17	21.05	21.14	22.00	
36		LOW	QPSK	21.21	21.22	20.99	22.00	
		HIGH	QPSK	21.09	21.06	20.96	22.00	
75		LOW	QPSK	21.18	21.05	21.07	22.00	
15	1	LOW	Q16	21.78	21.60	21.42	22.00	
		MID	Q16	21.75	21.64	21.46	22.00	
		HIGH	Q16	21.78	21.48	21.38	22.00	
	36	LOW	Q16	21.00	21.19	21.02	21.50	
		MID	Q16	21.22	21.19	21.15	21.50	
		HIGH	Q16	21.21	21.19	20.92	21.50	
	75	LOW	Q16	21.26	21.05	20.89	21.50	
	15	1	LOW	64QAM	21.22	20.90	20.74	21.50
			MID	64QAM	21.31	21.07	21.06	21.50
HIGH			64QAM	21.29	21.11	20.87	21.50	
36		LOW	64QAM	20.29	20.02	20.21	20.50	
		MID	64QAM	19.83	20.10	20.02	20.50	
		HIGH	64QAM	20.22	19.99	19.99	20.50	
75		LOW	64QAM	20.03	19.86	19.93	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dB m)
20		1	LOW	QPSK	21.19	21.19	21.05	22.00
	MID		QPSK	21.21	21.29	21.06	22.00	
	HIGH		QPSK	21.28	21.16	21.15	22.00	
	50	LOW	QPSK	21.13	21.15	21.06	22.00	
		HIGH	QPSK	21.14	21.10	21.07	22.00	
	100	LOW	QPSK	21.12	21.10	21.06	22.00	
20	1	LOW	Q16	21.71	21.50	21.35	22.00	
		MID	Q16	21.68	21.49	21.45	22.00	
		HIGH	Q16	21.68	21.42	21.53	22.00	
	50	LOW	Q16	21.09	21.15	20.99	21.50	
		MID	Q16	21.11	21.09	21.01	21.50	
		HIGH	Q16	21.15	21.08	21.02	21.50	
	100	LOW	Q16	21.12	21.12	21.01	21.50	
	20	1	LOW	64QAM	21.15	20.93	20.78	21.50
			MID	64QAM	21.29	21.10	20.91	21.50
HIGH			64QAM	21.18	21.03	20.95	21.50	
50		LOW	64QAM	20.17	20.10	20.09	20.50	
		MID	64QAM	19.98	20.06	19.90	20.50	
		HIGH	64QAM	20.11	20.10	20.05	20.50	
100		LOW	64QAM	20.08	19.98	20.08	20.50	

LTE B2-State2&4-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dB m)	
1.4	1	LOW	QPSK	22.57	22.82	22.62	23.50	
		MID	QPSK	22.85	22.83	22.49	23.50	
		HIGH	QPSK	22.92	22.48	22.57	23.50	
	3	LOW	QPSK	23.10	23.34	23.10	23.50	
		MID	QPSK	23.08	23.30	23.18	23.50	
		HIGH	QPSK	23.13	23.03	23.14	23.50	
	6	LOW	QPSK	22.05	22.21	21.95	22.50	
	1.4	1	LOW	Q16	22.35	22.39	22.34	22.50
			MID	Q16	22.26	22.32	22.36	22.50
HIGH			Q16	22.42	22.32	22.42	22.50	
3		LOW	Q16	21.08	21.10	20.99	22.50	
		MID	Q16	21.11	21.03	21.00	22.50	
		HIGH	Q16	21.30	21.24	21.06	22.50	
6		LOW	Q16	21.09	21.04	21.03	21.50	
1.4		1	LOW	64QAM	21.24	21.46	21.41	21.50
			MID	64QAM	21.23	21.45	21.35	21.50
	HIGH		64QAM	21.38	21.23	21.29	21.50	
	3	LOW	64QAM	20.05	20.00	19.93	21.50	
		MID	64QAM	20.02	20.06	19.93	21.50	
		HIGH	64QAM	20.36	20.28	20.10	21.50	
	6	LOW	64QAM	20.08	19.98	20.12	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dB m)
	3	1	LOW	QPSK	22.78	22.60	22.64	23.50
MID			QPSK	22.71	22.76	22.69	23.50	
HIGH			QPSK	22.83	22.55	22.59	23.50	
8		LOW	QPSK	22.18	22.14	22.09	22.50	
		MID	QPSK	22.16	22.17	22.08	22.50	
		HIGH	QPSK	22.07	22.19	21.97	22.50	
15		LOW	QPSK	22.13	22.16	22.17	22.50	
3		1	LOW	Q16	22.45	22.32	22.31	22.50
			MID	Q16	22.36	22.42	22.32	22.50
	HIGH		Q16	22.45	22.43	22.43	22.50	
	8	LOW	Q16	21.02	21.20	21.09	21.50	
		MID	Q16	21.31	21.29	21.21	21.50	
		HIGH	Q16	21.25	21.05	20.93	21.50	
	15	LOW	Q16	21.32	21.12	21.05	21.50	
	3	1	LOW	64QAM	21.24	21.41	21.41	21.50
			MID	64QAM	21.29	21.49	21.49	21.50
HIGH			64QAM	21.37	21.09	21.31	21.50	
8		LOW	64QAM	20.14	20.05	20.21	20.50	
		MID	64QAM	19.99	19.89	19.98	20.50	
		HIGH	64QAM	20.33	20.16	20.05	20.50	
15		LOW	64QAM	20.26	20.12	19.92	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dB m)
5		1	LOW	QPSK	22.86	22.87	22.58	23.50
	MID		QPSK	22.71	22.60	22.60	23.50	
	HIGH		QPSK	22.74	22.55	22.51	23.50	
	12	LOW	QPSK	22.13	22.16	22.06	22.50	
		MID	QPSK	22.09	22.01	22.15	22.50	
		HIGH	QPSK	22.24	22.11	22.17	22.50	
	25	LOW	QPSK	22.23	22.30	21.96	22.50	
	5	1	LOW	Q16	22.28	22.31	22.36	22.50
			MID	Q16	22.41	22.47	22.32	22.50
HIGH			Q16	22.45	22.46	22.42	22.50	
12		LOW	Q16	21.29	21.24	20.98	21.50	
		MID	Q16	21.11	21.28	20.98	21.50	
		HIGH	Q16	21.33	21.02	21.04	21.50	
25		LOW	Q16	21.29	21.23	21.10	21.50	
5		1	LOW	64QAM	21.46	21.46	21.13	21.50
			MID	64QAM	21.35	21.45	21.42	21.50
	HIGH		64QAM	21.20	21.19	21.14	21.50	
	12	LOW	64QAM	20.22	19.93	20.21	20.50	
		MID	64QAM	19.95	19.98	20.04	20.50	
		HIGH	64QAM	20.22	20.14	20.19	20.50	
	25	LOW	64QAM	20.23	20.05	19.96	20.50	

LTE B2-State2&4 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dB m)	
10	1	LOW	QPSK	22.77	22.72	22.58	23.50	
		MID	QPSK	22.68	22.80	22.43	23.50	
		HIGH	QPSK	22.89	22.46	22.67	23.50	
	25	LOW	QPSK	22.17	22.28	22.19	22.50	
		MID	QPSK	22.18	22.06	22.11	22.50	
		HIGH	QPSK	22.31	22.10	22.09	22.50	
	50	LOW	QPSK	22.28	22.12	22.05	22.50	
	10	1	LOW	Q16	22.37	22.36	22.36	22.50
			MID	Q16	22.27	22.41	22.23	22.50
HIGH			Q16	22.43	22.30	22.37	22.50	
25		LOW	Q16	21.11	21.14	21.14	21.50	
		MID	Q16	21.32	21.29	20.99	21.50	
		HIGH	Q16	21.18	21.07	21.21	21.50	
50		LOW	Q16	21.20	21.03	20.93	21.50	
10		1	LOW	64QAM	21.36	21.48	21.23	21.50
			MID	64QAM	21.44	21.40	21.41	21.50
	HIGH		64QAM	21.40	21.24	21.17	21.50	
	25	LOW	64QAM	20.12	20.10	20.10	20.50	
		MID	64QAM	20.03	20.05	19.95	20.50	
		HIGH	64QAM	20.31	19.98	20.18	20.50	
	50	LOW	64QAM	20.21	20.11	20.15	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dB m)
	15	1	LOW	QPSK	22.68	22.69	22.40	23.50
MID			QPSK	22.79	22.61	22.45	23.50	
HIGH			QPSK	22.84	22.58	22.75	23.50	
36		LOW	QPSK	22.24	22.36	22.24	22.50	
		MID	QPSK	22.15	22.03	22.25	22.50	
		HIGH	QPSK	22.23	22.07	22.26	22.50	
75		LOW	QPSK	22.10	22.03	22.15	22.50	
15		1	LOW	Q16	22.30	22.33	22.32	22.50
			MID	Q16	22.47	22.35	22.25	22.50
	HIGH		Q16	22.40	22.26	22.38	22.50	
	36	LOW	Q16	21.03	21.18	20.96	21.50	
		MID	Q16	21.17	21.25	21.04	21.50	
		HIGH	Q16	21.35	21.04	21.15	21.50	
	75	LOW	Q16	21.11	21.03	20.98	21.50	
	15	1	LOW	64QAM	21.40	21.42	21.40	21.50
			MID	64QAM	21.44	21.48	21.44	21.50
HIGH			64QAM	21.41	21.38	21.24	21.50	
36		LOW	64QAM	20.13	19.98	20.09	20.50	
		MID	64QAM	19.98	19.94	20.17	20.50	
		HIGH	64QAM	20.11	20.05	20.14	20.50	
75		LOW	64QAM	20.41	20.10	20.12	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dB m)
20		1	LOW	QPSK	22.72	22.73	22.55	23.50
	MID		QPSK	22.71	22.68	22.57	23.50	
	HIGH		QPSK	22.82	22.61	22.63	23.50	
	50	LOW	QPSK	22.18	22.22	22.12	22.50	
		MID	QPSK	22.20	22.15	22.14	22.50	
		HIGH	QPSK	22.22	22.15	22.11	22.50	
	100	LOW	QPSK	22.19	22.15	22.09	22.50	
	20	1	LOW	Q16	22.43	22.44	22.40	22.50
			MID	Q16	22.36	22.47	22.33	22.50
HIGH			Q16	22.32	22.38	22.50	22.50	
50		LOW	Q16	21.17	21.19	21.06	21.50	
		MID	Q16	21.19	21.15	21.08	21.50	
		HIGH	Q16	21.22	21.13	21.07	21.50	
100		LOW	Q16	21.18	21.15	21.08	21.50	
20		1	LOW	64QAM	21.36	21.43	21.27	21.50
			MID	64QAM	21.41	21.45	21.46	21.50
	HIGH		64QAM	21.26	21.23	21.21	21.50	
	50	LOW	64QAM	20.07	20.07	20.08	20.50	
		MID	64QAM	20.07	20.03	20.10	20.50	
		HIGH	64QAM	20.22	20.06	20.15	20.50	
	100	LOW	64QAM	20.33	20.18	20.03	20.50	

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.75	22.64	22.51	23.50	
		MID	QPSK	22.68	22.71	22.42	23.50	
		HIGH	QPSK	22.88	22.66	22.55	23.50	
	3	LOW	QPSK	23.24	23.26	23.10	23.50	
		MID	QPSK	23.10	23.17	23.28	23.50	
		HIGH	QPSK	23.13	23.23	23.06	23.50	
	6	LOW	QPSK	22.19	22.03	22.12	22.50	
	1.4	1	LOW	Q16	22.34	22.33	22.40	22.50
			MID	Q16	22.21	22.48	22.36	22.50
HIGH			Q16	22.24	22.31	22.36	22.50	
3		LOW	Q16	21.24	21.16	21.01	22.50	
		MID	Q16	21.06	21.05	21.17	22.50	
		HIGH	Q16	21.11	21.21	20.99	22.50	
6		LOW	Q16	21.16	21.28	21.04	21.50	
1.4		1	LOW	64QAM	21.20	21.27	21.20	21.50
			MID	64QAM	21.24	21.44	21.20	21.50
	HIGH		64QAM	21.19	21.25	21.25	21.50	
	3	LOW	64QAM	20.29	20.05	19.95	21.50	
		MID	64QAM	20.02	20.28	20.30	21.50	
		HIGH	64QAM	20.16	20.23	20.24	21.50	
	6	LOW	64QAM	20.21	20.43	20.26	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.61	22.78	22.44	23.50
MID			QPSK	22.81	22.76	22.60	23.50	
HIGH			QPSK	22.73	22.54	22.72	23.50	
8		LOW	QPSK	22.14	22.27	22.15	22.50	
		MID	QPSK	22.13	22.25	22.13	22.50	
		HIGH	QPSK	22.13	22.00	22.24	22.50	
15		LOW	QPSK	22.26	22.11	22.06	22.50	
3		1	LOW	Q16	22.20	22.26	22.49	22.50
			MID	Q16	22.14	22.42	22.27	22.50
	HIGH		Q16	22.36	22.32	22.41	22.50	
	8	LOW	Q16	21.09	21.11	20.97	21.50	
		MID	Q16	21.09	21.28	20.99	21.50	
		HIGH	Q16	21.15	20.99	21.09	21.50	
	15	LOW	Q16	21.13	21.09	20.99	21.50	
	3	1	LOW	64QAM	21.10	21.49	21.38	21.50
			MID	64QAM	21.21	21.21	21.11	21.50
HIGH			64QAM	21.17	21.27	21.25	21.50	
8		LOW	64QAM	20.44	19.90	19.97	20.50	
		MID	64QAM	20.02	20.30	20.12	20.50	
		HIGH	64QAM	20.23	20.08	20.14	20.50	
15		LOW	64QAM	20.15	20.42	20.06	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.81	22.70	22.50	23.50
	MID		QPSK	22.76	22.71	22.45	23.50	
	HIGH		QPSK	22.69	22.62	22.53	23.50	
	12	LOW	QPSK	22.09	22.17	22.01	22.50	
		MID	QPSK	22.08	22.04	22.20	22.50	
		HIGH	QPSK	22.15	22.06	21.98	22.50	
	25	LOW	QPSK	22.11	22.29	21.97	22.50	
	5	1	LOW	Q16	22.38	22.35	22.37	22.50
			MID	Q16	22.25	22.47	22.36	22.50
HIGH			Q16	22.29	22.33	22.31	22.50	
12		LOW	Q16	21.20	21.33	20.94	21.50	
		MID	Q16	21.13	21.25	21.10	21.50	
		HIGH	Q16	21.21	21.02	21.22	21.50	
25		LOW	Q16	21.25	21.03	21.10	21.50	
5		1	LOW	64QAM	21.08	21.20	21.23	21.50
			MID	64QAM	21.22	21.24	21.14	21.50
	HIGH		64QAM	21.36	21.34	21.38	21.50	
	12	LOW	64QAM	20.35	19.97	20.04	20.50	
		MID	64QAM	20.08	20.05	20.33	20.50	
		HIGH	64QAM	20.28	20.29	20.01	20.50	
	25	LOW	64QAM	20.33	20.17	20.18	20.50	

LTE B2-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.78	22.79	22.65	23.50	
		MID	QPSK	22.61	22.83	22.67	23.50	
		HIGH	QPSK	22.77	22.46	22.65	23.50	
	25	LOW	QPSK	22.06	22.07	22.21	22.50	
		MID	QPSK	22.06	22.28	22.20	22.50	
		HIGH	QPSK	22.18	22.04	22.06	22.50	
	50	LOW	QPSK	22.24	22.19	22.12	22.50	
	10	1	LOW	Q16	22.30	22.26	22.35	22.50
			MID	Q16	22.15	22.50	22.20	22.50
HIGH			Q16	22.07	22.30	22.35	22.50	
25		LOW	Q16	21.31	21.28	20.98	21.50	
		MID	Q16	21.04	21.00	21.07	21.50	
		HIGH	Q16	21.37	21.24	21.20	21.50	
50		LOW	Q16	21.04	21.01	21.21	21.50	
10		1	LOW	64QAM	21.26	21.36	21.38	21.50
			MID	64QAM	21.36	21.46	21.03	21.50
	HIGH		64QAM	21.12	21.21	21.28	21.50	
	25	LOW	64QAM	20.32	20.19	20.10	20.50	
		MID	64QAM	19.97	20.27	20.12	20.50	
		HIGH	64QAM	20.02	20.13	20.08	20.50	
	50	LOW	64QAM	20.24	20.19	20.17	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.81	22.69	22.56	23.50
MID			QPSK	22.76	22.54	22.62	23.50	
HIGH			QPSK	22.68	22.74	22.52	23.50	
36		LOW	QPSK	22.29	22.23	22.16	22.50	
		MID	QPSK	22.23	22.20	22.27	22.50	
		HIGH	QPSK	22.26	22.14	22.10	22.50	
75		LOW	QPSK	22.14	22.28	22.24	22.50	
15		1	LOW	Q16	22.13	22.26	22.34	22.50
			MID	Q16	22.38	22.33	22.26	22.50
	HIGH		Q16	22.08	22.27	22.45	22.50	
	36	LOW	Q16	21.07	21.18	21.07	21.50	
		MID	Q16	21.16	21.00	21.12	21.50	
		HIGH	Q16	21.17	21.12	21.17	21.50	
	75	LOW	Q16	21.25	21.09	21.06	21.50	
	15	1	LOW	64QAM	21.20	21.38	21.38	21.50
			MID	64QAM	21.21	21.26	21.29	21.50
HIGH			64QAM	21.33	21.28	21.26	21.50	
36		LOW	64QAM	20.17	20.17	19.98	20.50	
		MID	64QAM	20.07	20.29	20.28	20.50	
		HIGH	64QAM	20.11	20.09	20.16	20.50	
75		LOW	64QAM	20.21	20.33	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.72	22.73	22.55	23.50
	MID		QPSK	22.71	22.68	22.57	23.50	
	HIGH		QPSK	22.82	22.61	22.63	23.50	
	50	LOW	QPSK	22.18	22.22	22.12	22.50	
		MID	QPSK	22.20	22.15	22.14	22.50	
		HIGH	QPSK	22.22	22.15	22.11	22.50	
	100	LOW	QPSK	22.19	22.15	22.09	22.50	
	20	1	LOW	Q16	22.24	22.44	22.40	22.50
			MID	Q16	22.26	22.47	22.23	22.50
HIGH			Q16	22.22	22.38	22.50	22.50	
50		LOW	Q16	21.17	21.19	21.06	21.50	
		MID	Q16	21.19	21.15	21.08	21.50	
		HIGH	Q16	21.22	21.13	21.07	21.50	
100		LOW	Q16	21.18	21.15	21.08	21.50	
20		1	LOW	64QAM	21.12	21.47	21.31	21.50
			MID	64QAM	21.28	21.40	21.14	21.50
	HIGH		64QAM	21.23	21.26	21.35	21.50	
	50	LOW	64QAM	20.32	20.05	20.08	20.50	
		MID	64QAM	20.11	20.19	20.22	20.50	
		HIGH	64QAM	20.16	20.14	20.11	20.50	
	100	LOW	64QAM	20.27	20.30	20.12	20.50	

LTE B2-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.63	18.59	18.60	19.50	
		MID	QPSK	18.68	18.77	18.48	19.50	
		HIGH	QPSK	18.60	18.78	18.73	19.50	
	3	LOW	QPSK	18.64	18.80	18.59	19.50	
		MID	QPSK	18.81	18.86	18.47	19.50	
		HIGH	QPSK	18.56	18.88	18.60	19.50	
	6	LOW	QPSK	18.94	18.70	18.58	19.50	
	1.4	1	LOW	Q16	18.60	18.69	18.54	19.50
			MID	Q16	18.82	18.65	18.80	19.50
HIGH			Q16	18.68	18.84	18.58	19.50	
3		LOW	Q16	18.63	18.64	18.75	19.50	
		MID	Q16	18.67	18.57	18.86	19.50	
		HIGH	Q16	18.91	18.65	18.73	19.50	
6		LOW	Q16	18.84	18.64	18.78	19.50	
1.4		1	LOW	64QAM	18.50	18.84	18.57	19.50
			MID	64QAM	18.80	18.61	18.84	19.50
	HIGH		64QAM	18.77	18.96	18.62	19.50	
	3	LOW	64QAM	18.65	18.59	18.76	19.50	
		MID	64QAM	18.56	18.53	18.81	19.50	
		HIGH	64QAM	19.04	18.61	18.77	19.50	
	6	LOW	64QAM	18.97	18.65	18.92	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	18.51	18.82	18.83	19.50
MID			QPSK	18.73	18.79	18.64	19.50	
HIGH			QPSK	18.49	18.66	18.76	19.50	
8		LOW	QPSK	18.55	18.97	18.77	19.50	
		MID	QPSK	18.66	18.70	18.65	19.50	
		HIGH	QPSK	18.63	18.83	18.71	19.50	
15		LOW	QPSK	18.86	18.69	18.68	19.50	
3		1	LOW	Q16	18.80	18.69	18.62	19.50
			MID	Q16	18.56	18.47	18.65	19.50
	HIGH		Q16	18.92	18.81	18.62	19.50	
	8	LOW	Q16	18.66	18.85	18.50	19.50	
		MID	Q16	18.73	18.85	18.62	19.50	
		HIGH	Q16	18.90	18.59	18.62	19.50	
	15	LOW	Q16	18.85	18.70	18.86	19.50	
	3	1	LOW	64QAM	18.56	18.75	18.77	19.50
			MID	64QAM	18.64	18.63	18.88	19.50
HIGH			64QAM	18.75	18.91	18.64	19.50	
8		LOW	64QAM	18.67	18.66	18.45	19.50	
		MID	64QAM	18.78	18.82	18.65	19.50	
		HIGH	64QAM	19.00	18.69	18.68	19.50	
15		LOW	64QAM	18.65	18.83	18.62	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	18.52	18.55	18.81	19.50
	MID		QPSK	18.77	18.86	18.75	19.50	
	HIGH		QPSK	18.56	18.66	18.61	19.50	
	12	LOW	QPSK	18.70	18.91	18.61	19.50	
		MID	QPSK	18.88	18.93	18.47	19.50	
		HIGH	QPSK	18.53	18.81	18.69	19.50	
	25	LOW	QPSK	18.77	18.71	18.65	19.50	
	5	1	LOW	Q16	18.80	18.81	18.57	19.50
			MID	Q16	18.53	18.56	18.79	19.50
HIGH			Q16	18.88	18.86	18.65	19.50	
12		LOW	Q16	18.65	18.85	18.62	19.50	
		MID	Q16	18.68	18.70	18.59	19.50	
		HIGH	Q16	18.86	18.80	18.64	19.50	
25		LOW	Q16	18.84	18.81	18.98	19.50	
5		1	LOW	64QAM	18.78	18.79	18.70	19.50
			MID	64QAM	18.56	18.35	18.83	19.50
	HIGH		64QAM	18.59	19.02	18.81	19.50	
	12	LOW	64QAM	18.81	18.58	18.70	19.50	
		MID	64QAM	18.68	18.87	18.52	19.50	
		HIGH	64QAM	18.81	18.59	18.76	19.50	
	25	LOW	64QAM	18.81	18.74	18.77	19.50	

LTE B2-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	18.75	18.58	18.86	19.50	
		MID	QPSK	18.91	18.69	18.51	19.50	
		HIGH	QPSK	18.66	18.68	18.87	19.50	
	25	LOW	QPSK	18.54	18.96	18.54	19.50	
		MID	QPSK	18.63	18.91	18.69	19.50	
		HIGH	QPSK	18.49	18.72	18.70	19.50	
	50	LOW	QPSK	18.87	18.62	18.64	19.50	
	10	1	LOW	Q16	18.76	18.60	18.52	19.50
			MID	Q16	18.80	18.71	18.65	19.50
HIGH			Q16	18.70	18.81	18.65	19.50	
25		LOW	Q16	18.68	18.80	18.51	19.50	
		MID	Q16	18.83	18.94	18.49	19.50	
		HIGH	Q16	18.73	18.71	18.82	19.50	
50		LOW	Q16	18.76	18.71	18.76	19.50	
10		1	LOW	64QAM	18.68	18.74	18.86	19.50
			MID	64QAM	18.70	18.62	18.94	19.50
	HIGH		64QAM	18.81	19.00	18.82	19.50	
	25	LOW	64QAM	18.77	18.44	18.67	19.50	
		MID	64QAM	18.56	18.79	18.76	19.50	
		HIGH	64QAM	18.81	18.69	18.59	19.50	
	50	LOW	64QAM	18.73	18.83	18.88	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	18.50	18.74	18.57	19.50
MID			QPSK	18.74	18.85	18.54	19.50	
HIGH			QPSK	18.57	18.78	18.59	19.50	
36		LOW	QPSK	18.78	18.81	18.78	19.50	
		MID	QPSK	18.79	18.89	18.49	19.50	
		HIGH	QPSK	18.58	18.70	18.89	19.50	
75		LOW	QPSK	18.87	18.63	18.78	19.50	
15		1	LOW	Q16	18.63	18.57	18.56	19.50
			MID	Q16	18.81	18.77	18.71	19.50
	HIGH		Q16	18.96	18.95	18.55	19.50	
	36	LOW	Q16	18.47	18.57	18.73	19.50	
		MID	Q16	18.65	18.77	18.53	19.50	
		HIGH	Q16	18.93	18.73	18.71	19.50	
	75	LOW	Q16	18.96	18.76	18.84	19.50	
	15	1	LOW	64QAM	18.79	18.81	18.91	19.50
			MID	64QAM	18.72	18.39	18.87	19.50
HIGH			64QAM	18.82	18.93	18.71	19.50	
36		LOW	64QAM	18.82	18.68	18.60	19.50	
		MID	64QAM	18.64	18.75	18.64	19.50	
		HIGH	64QAM	18.97	18.57	18.58	19.50	
75		LOW	64QAM	18.66	18.63	18.79	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	18.63	18.70	18.72	19.50
	MID		QPSK	18.80	18.79	18.60	19.50	
	HIGH		QPSK	18.62	18.76	18.74	19.50	
	50	LOW	QPSK	18.63	18.82	18.65	19.50	
		MID	QPSK	18.76	18.83	18.58	19.50	
		HIGH	QPSK	18.57	18.72	18.77	19.50	
	100	LOW	QPSK	18.84	18.63	18.73	19.50	
	20	1	LOW	Q16	18.69	18.72	18.63	19.50
			MID	Q16	18.67	18.62	18.79	19.50
HIGH			Q16	18.82	18.84	18.62	19.50	
50		LOW	Q16	18.62	18.72	18.63	19.50	
		MID	Q16	18.68	18.85	18.63	19.50	
		HIGH	Q16	18.83	18.71	18.72	19.50	
100		LOW	Q16	18.83	18.67	18.85	19.50	
20		1	LOW	64QAM	18.71	18.67	18.77	19.50
			MID	64QAM	18.61	18.49	18.81	19.50
	HIGH		64QAM	18.68	18.93	18.72	19.50	
	50	LOW	64QAM	18.75	18.58	18.58	19.50	
		MID	64QAM	18.71	18.78	18.66	19.50	
		HIGH	64QAM	18.93	18.62	18.72	19.50	
	100	LOW	64QAM	18.76	18.70	18.75	19.50	

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LTE B2-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.75	22.64	22.51	23.50	
		MID	QPSK	22.68	22.71	22.42	23.50	
		HIGH	QPSK	22.88	22.66	22.55	23.50	
	3	LOW	QPSK	23.24	23.26	23.10	23.50	
		MID	QPSK	23.10	23.17	23.28	23.50	
		HIGH	QPSK	23.13	23.23	23.06	23.50	
	6	LOW	QPSK	22.19	22.03	22.12	22.50	
	1.4	1	LOW	Q16	22.34	22.33	22.40	22.50
			MID	Q16	22.21	22.48	22.36	22.50
HIGH			Q16	22.24	22.31	22.36	22.50	
3		LOW	Q16	21.24	21.16	21.01	22.50	
		MID	Q16	21.06	21.05	21.17	22.50	
		HIGH	Q16	21.11	21.21	20.99	22.50	
6		LOW	Q16	21.16	21.28	21.04	21.50	
1.4		1	LOW	64QAM	21.20	21.27	21.20	21.50
			MID	64QAM	21.24	21.44	21.20	21.50
	HIGH		64QAM	21.19	21.25	21.25	21.50	
	3	LOW	64QAM	20.29	20.05	19.95	21.50	
		MID	64QAM	20.02	20.28	20.30	21.50	
		HIGH	64QAM	20.16	20.23	20.24	21.50	
	6	LOW	64QAM	20.21	20.43	20.26	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.61	22.78	22.44	23.50
MID			QPSK	22.81	22.76	22.60	23.50	
HIGH			QPSK	22.73	22.54	22.72	23.50	
8		LOW	QPSK	22.14	22.27	22.15	22.50	
		MID	QPSK	22.13	22.25	22.13	22.50	
		HIGH	QPSK	22.13	22.00	22.24	22.50	
15		LOW	QPSK	22.26	22.11	22.06	22.50	
3		1	LOW	Q16	22.20	22.26	22.49	22.50
			MID	Q16	22.14	22.42	22.27	22.50
	HIGH		Q16	22.36	22.32	22.41	22.50	
	8	LOW	Q16	21.09	21.11	20.97	21.50	
		MID	Q16	21.09	21.28	20.99	21.50	
		HIGH	Q16	21.15	20.99	21.09	21.50	
	15	LOW	Q16	21.13	21.09	20.99	21.50	
	3	1	LOW	64QAM	21.10	21.49	21.38	21.50
			MID	64QAM	21.21	21.21	21.11	21.50
HIGH			64QAM	21.17	21.27	21.25	21.50	
8		LOW	64QAM	20.44	19.90	19.97	20.50	
		MID	64QAM	20.02	20.30	20.12	20.50	
		HIGH	64QAM	20.23	20.08	20.14	20.50	
15		LOW	64QAM	20.15	20.42	20.06	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.81	22.70	22.50	23.50
	MID		QPSK	22.76	22.71	22.45	23.50	
	HIGH		QPSK	22.69	22.62	22.53	23.50	
	12	LOW	QPSK	22.09	22.17	22.01	22.50	
		MID	QPSK	22.08	22.04	22.20	22.50	
		HIGH	QPSK	22.15	22.06	21.98	22.50	
	25	LOW	QPSK	22.11	22.29	21.97	22.50	
	5	1	LOW	Q16	22.38	22.35	22.37	22.50
			MID	Q16	22.25	22.47	22.36	22.50
HIGH			Q16	22.29	22.33	22.31	22.50	
12		LOW	Q16	21.20	21.33	20.94	21.50	
		MID	Q16	21.13	21.25	21.10	21.50	
		HIGH	Q16	21.21	21.02	21.22	21.50	
25		LOW	Q16	21.25	21.03	21.10	21.50	
5		1	LOW	64QAM	21.08	21.20	21.23	21.50
			MID	64QAM	21.22	21.24	21.14	21.50
	HIGH		64QAM	21.36	21.34	21.38	21.50	
	12	LOW	64QAM	20.35	19.97	20.04	20.50	
		MID	64QAM	20.08	20.05	20.33	20.50	
		HIGH	64QAM	20.28	20.29	20.01	20.50	
	25	LOW	64QAM	20.33	20.17	20.18	20.50	

LTE B2-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.78	22.79	22.65	23.50	
		MID	QPSK	22.61	22.83	22.67	23.50	
		HIGH	QPSK	22.77	22.46	22.65	23.50	
	25	LOW	QPSK	22.06	22.07	22.21	22.50	
		MID	QPSK	22.06	22.28	22.20	22.50	
		HIGH	QPSK	22.18	22.04	22.06	22.50	
	50	LOW	QPSK	22.24	22.19	22.12	22.50	
	10	1	LOW	Q16	22.30	22.26	22.35	22.50
			MID	Q16	22.15	22.50	22.20	22.50
HIGH			Q16	22.07	22.30	22.35	22.50	
25		LOW	Q16	21.31	21.28	20.98	21.50	
		MID	Q16	21.04	21.00	21.07	21.50	
		HIGH	Q16	21.37	21.24	21.20	21.50	
50		LOW	Q16	21.04	21.01	21.21	21.50	
10		1	LOW	64QAM	21.26	21.36	21.38	21.50
			MID	64QAM	21.36	21.46	21.03	21.50
	HIGH		64QAM	21.12	21.21	21.28	21.50	
	25	LOW	64QAM	20.32	20.19	20.10	20.50	
		MID	64QAM	19.97	20.27	20.12	20.50	
		HIGH	64QAM	20.02	20.13	20.08	20.50	
	50	LOW	64QAM	20.24	20.19	20.17	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.81	22.69	22.56	23.50
MID			QPSK	22.76	22.54	22.62	23.50	
HIGH			QPSK	22.68	22.74	22.52	23.50	
36		LOW	QPSK	22.29	22.23	22.16	22.50	
		MID	QPSK	22.23	22.20	22.27	22.50	
		HIGH	QPSK	22.26	22.14	22.10	22.50	
75		LOW	QPSK	22.14	22.28	22.24	22.50	
15		1	LOW	Q16	22.13	22.26	22.34	22.50
			MID	Q16	22.38	22.33	22.26	22.50
	HIGH		Q16	22.08	22.27	22.45	22.50	
	36	LOW	Q16	21.07	21.18	21.07	21.50	
		MID	Q16	21.16	21.00	21.12	21.50	
		HIGH	Q16	21.17	21.12	21.17	21.50	
	75	LOW	Q16	21.25	21.09	21.06	21.50	
	15	1	LOW	64QAM	21.20	21.38	21.38	21.50
			MID	64QAM	21.21	21.26	21.29	21.50
HIGH			64QAM	21.33	21.28	21.26	21.50	
36		LOW	64QAM	20.17	20.17	19.98	20.50	
		MID	64QAM	20.07	20.29	20.28	20.50	
		HIGH	64QAM	20.11	20.09	20.16	20.50	
75		LOW	64QAM	20.21	20.33	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.72	22.73	22.55	23.50
	MID		QPSK	22.71	22.68	22.57	23.50	
	HIGH		QPSK	22.82	22.61	22.63	23.50	
	50	LOW	QPSK	22.18	22.22	22.12	22.50	
		MID	QPSK	22.20	22.15	22.14	22.50	
		HIGH	QPSK	22.22	22.15	22.11	22.50	
	100	LOW	QPSK	22.19	22.15	22.09	22.50	
	20	1	LOW	Q16	22.24	22.44	22.40	22.50
			MID	Q16	22.26	22.47	22.23	22.50
HIGH			Q16	22.22	22.38	22.50	22.50	
50		LOW	Q16	21.17	21.19	21.06	21.50	
		MID	Q16	21.19	21.15	21.08	21.50	
		HIGH	Q16	21.22	21.13	21.07	21.50	
100		LOW	Q16	21.18	21.15	21.08	21.50	
20		1	LOW	64QAM	21.12	21.47	21.31	21.50
			MID	64QAM	21.28	21.40	21.14	21.50
	HIGH		64QAM	21.23	21.26	21.35	21.50	
	50	LOW	64QAM	20.32	20.05	20.08	20.50	
		MID	64QAM	20.11	20.19	20.22	20.50	
		HIGH	64QAM	20.16	20.14	20.11	20.50	
	100	LOW	64QAM	20.27	20.30	20.12	20.50	

8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.84	22.88	22.39	23.50	
		MID	QPSK	22.85	22.64	22.39	23.50	
		HIGH	QPSK	22.26	22.51	22.45	23.50	
	3	LOW	QPSK	23.33	23.26	23.24	23.50	
		MID	QPSK	23.26	23.13	23.00	23.50	
		HIGH	QPSK	23.44	23.10	23.18	23.50	
	6	LOW	QPSK	22.31	22.15	22.11	22.50	
	1.4	1	LOW	Q16	22.47	22.39	22.30	22.50
			MID	Q16	22.26	22.36	22.48	22.50
HIGH			Q16	22.47	22.45	22.42	22.50	
3		LOW	Q16	21.20	21.34	21.10	22.50	
		MID	Q16	21.22	21.31	21.22	22.50	
		HIGH	Q16	21.23	21.36	21.08	22.50	
6		LOW	Q16	21.14	21.36	21.03	21.50	
1.4		1	LOW	64QAM	21.48	21.50	21.20	21.50
			MID	64QAM	21.18	21.36	21.36	21.50
	HIGH		64QAM	21.32	21.45	21.50	21.50	
	3	LOW	64QAM	20.29	20.19	20.25	21.50	
		MID	64QAM	20.08	20.30	20.15	21.50	
		HIGH	64QAM	20.37	20.23	20.10	21.50	
	6	LOW	64QAM	20.23	20.50	20.07	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.86	22.65	22.48	23.50
MID			QPSK	22.96	22.64	22.49	23.50	
HIGH			QPSK	22.34	22.51	22.71	23.50	
8		LOW	QPSK	22.42	22.26	22.24	22.50	
		MID	QPSK	22.31	22.41	22.03	22.50	
		HIGH	QPSK	22.29	22.31	22.12	22.50	
15		LOW	QPSK	22.34	22.38	22.26	22.50	
3		1	LOW	Q16	22.28	22.36	22.42	22.50
			MID	Q16	22.38	22.25	22.49	22.50
	HIGH		Q16	22.41	22.37	22.45	22.50	
	8	LOW	Q16	21.20	21.22	21.13	21.50	
		MID	Q16	21.17	21.24	21.19	21.50	
		HIGH	Q16	21.29	21.30	21.06	21.50	
	15	LOW	Q16	21.30	21.23	21.23	21.50	
	3	1	LOW	64QAM	21.35	21.40	21.32	21.50
			MID	64QAM	21.30	21.28	21.32	21.50
HIGH			64QAM	21.42	21.41	21.39	21.50	
8		LOW	64QAM	20.29	20.26	20.28	20.50	
		MID	64QAM	20.30	20.33	20.23	20.50	
		HIGH	64QAM	20.14	20.11	20.37	20.50	
15		LOW	64QAM	20.20	20.41	20.31	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.86	22.83	22.63	23.50
	MID		QPSK	22.73	22.82	22.62	23.50	
	HIGH		QPSK	22.25	22.58	22.66	23.50	
	12	LOW	QPSK	22.29	22.33	22.22	22.50	
		MID	QPSK	22.21	22.17	22.03	22.50	
		HIGH	QPSK	22.47	22.14	22.06	22.50	
	25	LOW	QPSK	22.38	22.16	22.07	22.50	
	5	1	LOW	Q16	22.28	22.38	22.31	22.50
			MID	Q16	22.39	22.29	22.29	22.50
HIGH			Q16	22.39	22.34	22.32	22.50	
12		LOW	Q16	21.27	21.39	21.08	21.50	
		MID	Q16	21.31	21.33	21.07	21.50	
		HIGH	Q16	21.36	21.25	21.19	21.50	
25		LOW	Q16	21.27	21.13	21.19	21.50	
5		1	LOW	64QAM	21.46	21.24	21.39	21.50
			MID	64QAM	21.31	21.26	21.22	21.50
	HIGH		64QAM	21.49	21.31	21.46	21.50	
	12	LOW	64QAM	20.24	20.50	20.10	20.50	
		MID	64QAM	20.30	20.29	20.20	20.50	
		HIGH	64QAM	20.18	20.17	20.42	20.50	
	25	LOW	64QAM	20.03	20.40	20.35	20.50	

LTE B2-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.86	22.71	22.53	23.50	
		MID	QPSK	22.76	22.88	22.39	23.50	
		HIGH	QPSK	22.27	22.79	22.70	23.50	
	25	LOW	QPSK	22.39	22.43	21.99	22.50	
		MID	QPSK	22.42	22.37	22.07	22.50	
		HIGH	QPSK	22.47	22.40	22.29	22.50	
	50	LOW	QPSK	22.40	22.34	22.19	22.50	
	10	1	LOW	Q16	22.34	22.43	22.37	22.50
			MID	Q16	22.25	22.27	22.50	22.50
HIGH			Q16	22.50	22.42	22.37	22.50	
25		LOW	Q16	21.25	21.25	21.06	21.50	
		MID	Q16	21.14	21.37	21.02	21.50	
		HIGH	Q16	21.33	21.14	21.23	21.50	
50		LOW	Q16	21.35	21.38	21.22	21.50	
10		1	LOW	64QAM	21.46	21.26	21.35	21.50
			MID	64QAM	21.30	21.50	21.35	21.50
	HIGH		64QAM	21.41	21.45	21.40	21.50	
	25	LOW	64QAM	20.31	20.45	20.25	20.50	
		MID	64QAM	20.35	20.28	20.10	20.50	
		HIGH	64QAM	20.25	20.16	20.42	20.50	
	50	LOW	64QAM	20.28	20.41	20.19	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.74	22.91	22.64	23.50
MID			QPSK	22.66	22.78	22.68	23.50	
HIGH			QPSK	22.26	22.79	22.72	23.50	
36		LOW	QPSK	22.28	22.29	22.04	22.50	
		MID	QPSK	22.29	22.16	22.08	22.50	
		HIGH	QPSK	22.24	22.24	22.23	22.50	
75		LOW	QPSK	22.21	22.21	22.05	22.50	
15		1	LOW	Q16	22.36	22.44	22.37	22.50
			MID	Q16	22.28	22.50	22.42	22.50
	HIGH		Q16	22.31	22.32	22.49	22.50	
	36	LOW	Q16	21.33	21.38	21.05	21.50	
		MID	Q16	21.42	21.15	21.11	21.50	
		HIGH	Q16	21.15	21.16	21.29	21.50	
	75	LOW	Q16	21.32	21.26	21.10	21.50	
	15	1	LOW	64QAM	21.48	21.35	21.41	21.50
			MID	64QAM	21.45	21.35	21.32	21.50
HIGH			64QAM	21.39	21.39	21.38	21.50	
36		LOW	64QAM	20.19	20.37	20.20	20.50	
		MID	64QAM	20.35	20.32	20.07	20.50	
		HIGH	64QAM	20.12	20.01	20.31	20.50	
75		LOW	64QAM	20.23	20.45	20.18	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.79	22.76	22.49	23.50
	MID		QPSK	22.81	22.75	22.54	23.50	
	HIGH		QPSK	22.28	22.66	22.60	23.50	
	50	LOW	QPSK	22.27	22.32	22.14	22.50	
		MID	QPSK	22.31	22.28	22.13	22.50	
		HIGH	QPSK	22.32	22.25	22.17	22.50	
	100	LOW	QPSK	22.29	22.27	22.15	22.50	
	20	1	LOW	Q16	22.42	22.43	22.41	22.50
			MID	Q16	22.37	22.39	22.35	22.50
HIGH			Q16	22.41	22.46	22.37	22.50	
50		LOW	Q16	21.25	21.35	21.11	21.50	
		MID	Q16	21.27	21.26	21.12	21.50	
		HIGH	Q16	21.29	21.28	21.15	21.50	
100		LOW	Q16	21.24	21.28	21.14	21.50	
20		1	LOW	64QAM	21.33	21.34	21.41	21.50
			MID	64QAM	21.43	21.41	21.24	21.50
	HIGH		64QAM	21.43	21.44	21.47	21.50	
	50	LOW	64QAM	20.21	20.41	20.20	20.50	
		MID	64QAM	20.30	20.22	20.17	20.50	
		HIGH	64QAM	20.15	20.13	20.28	20.50	
	100	LOW	64QAM	20.16	20.43	20.28	20.50	

LTE B2-State1&3 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dB m)
1.4	1	LOW	QPSK	19.27	19.26	19.20	20.00
		MID	QPSK	19.44	19.28	19.19	20.00
		HIGH	QPSK	19.49	19.14	19.37	20.00
	3	LOW	QPSK	19.17	19.34	19.19	20.00
		MID	QPSK	19.20	19.29	19.17	20.00
		HIGH	QPSK	19.41	19.32	19.22	20.00
6	LOW	QPSK	19.24	19.17	19.26	20.00	
1.4	1	LOW	Q16	19.90	19.79	19.64	20.00
		MID	Q16	19.80	19.80	19.47	20.00
		HIGH	Q16	19.88	19.66	19.67	20.00
	3	LOW	Q16	19.41	19.39	19.17	20.00
		MID	Q16	19.30	19.33	19.32	20.00
		HIGH	Q16	19.48	19.36	19.18	20.00
6	LOW	Q16	19.45	19.41	19.17	20.00	
1.4	1	LOW	64QAM	19.83	19.78	19.66	20.00
		MID	64QAM	19.86	19.76	19.33	20.00
		HIGH	64QAM	19.87	19.69	19.75	20.00
	3	LOW	64QAM	19.54	19.38	19.25	20.00
		MID	64QAM	19.29	19.39	19.38	20.00
		HIGH	64QAM	19.59	19.25	19.17	20.00
6	LOW	64QAM	19.30	19.32	19.20	20.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dB m)
3	1	LOW	QPSK	19.20	19.37	19.26	20.00
		MID	QPSK	19.25	19.23	19.20	20.00
		HIGH	QPSK	19.49	19.44	19.29	20.00
	8	LOW	QPSK	19.31	19.28	19.29	20.00
		MID	QPSK	19.17	19.34	19.35	20.00
		HIGH	QPSK	19.22	19.33	19.20	20.00
15	LOW	QPSK	19.43	19.27	19.24	20.00	
3	1	LOW	Q16	19.84	19.70	19.59	20.00
		MID	Q16	19.96	19.74	19.47	20.00
		HIGH	Q16	19.91	19.59	19.77	20.00
	8	LOW	Q16	19.42	19.42	19.21	20.00
		MID	Q16	19.42	19.44	19.11	20.00
		HIGH	Q16	19.30	19.32	19.34	20.00
15	LOW	Q16	19.31	19.21	19.31	20.00	
3	1	LOW	64QAM	19.81	19.67	19.60	20.00
		MID	64QAM	19.94	19.65	19.56	20.00
		HIGH	64QAM	19.90	19.60	19.42	20.00
	8	LOW	64QAM	19.23	19.38	19.40	20.00
		MID	64QAM	19.38	19.44	19.29	20.00
		HIGH	64QAM	19.34	19.46	19.31	20.00
15	LOW	64QAM	19.26	19.46	19.25	20.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dB m)
5	1	LOW	QPSK	19.27	19.42	19.07	20.00
		MID	QPSK	19.23	19.23	19.38	20.00
		HIGH	QPSK	19.32	19.28	19.36	20.00
	12	LOW	QPSK	19.34	19.35	19.42	20.00
		MID	QPSK	19.20	19.28	19.24	20.00
		HIGH	QPSK	19.41	19.47	19.43	20.00
25	LOW	QPSK	19.31	19.29	19.31	20.00	
5	1	LOW	Q16	19.70	19.63	19.38	20.00
		MID	Q16	19.86	19.73	19.73	20.00
		HIGH	Q16	19.87	19.45	19.80	20.00
	12	LOW	Q16	19.30	19.22	19.13	20.00
		MID	Q16	19.44	19.23	19.20	20.00
		HIGH	Q16	19.31	19.48	19.11	20.00
25	LOW	Q16	19.34	19.23	19.11	20.00	
5	1	LOW	64QAM	19.71	19.51	19.53	20.00
		MID	64QAM	19.93	19.84	19.56	20.00
		HIGH	64QAM	20.00	19.61	19.47	20.00
	12	LOW	64QAM	19.21	19.32	19.25	20.00
		MID	64QAM	19.38	19.56	19.16	20.00
		HIGH	64QAM	19.27	19.20	19.34	20.00
25	LOW	64QAM	19.11	19.47	19.03	20.00	

LTE B2-State1&3 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dB m)
10	1	LOW	QPSK	19.35	19.39	19.09	20.00
		MID	QPSK	19.37	19.42	19.39	20.00
		HIGH	QPSK	19.29	19.39	19.33	20.00
	25	LOW	QPSK	19.26	19.34	19.14	20.00
		MID	QPSK	19.30	19.25	19.20	20.00
		HIGH	QPSK	19.17	19.32	19.41	20.00
50	LOW	QPSK	19.20	19.33	19.14	20.00	
10	1	LOW	Q16	19.61	19.73	19.59	20.00
		MID	Q16	19.88	19.59	19.52	20.00
		HIGH	Q16	19.90	19.52	19.70	20.00
	25	LOW	Q16	19.29	19.38	19.36	20.00
		MID	Q16	19.31	19.44	19.26	20.00
		HIGH	Q16	19.20	19.32	19.21	20.00
50	LOW	Q16	19.39	19.25	19.18	20.00	
10	1	LOW	64QAM	19.92	19.58	19.68	20.00
		MID	64QAM	19.92	19.69	19.55	20.00
		HIGH	64QAM	19.79	19.52	19.73	20.00
	25	LOW	64QAM	19.24	19.34	19.06	20.00
		MID	64QAM	19.30	19.39	19.29	20.00
		HIGH	64QAM	19.14	19.45	19.39	20.00
50	LOW	64QAM	19.30	19.43	19.47	20.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dB m)
15	1	LOW	QPSK	19.26	19.23	19.14	20.00
		MID	QPSK	19.51	19.26	19.25	20.00
		HIGH	QPSK	19.28	19.35	19.19	20.00
	36	LOW	QPSK	19.21	19.26	19.41	20.00
		MID	QPSK	19.37	19.42	19.39	20.00
		HIGH	QPSK	19.44	19.23	19.40	20.00
75	LOW	QPSK	19.35	19.22	19.40	20.00	
15	1	LOW	Q16	19.76	19.50	19.62	20.00
		MID	Q16	19.74	19.71	19.69	20.00
		HIGH	Q16	19.89	19.54	19.81	20.00
	36	LOW	Q16	19.41	19.37	19.35	20.00
		MID	Q16	19.39	19.37	19.32	20.00
		HIGH	Q16	19.47	19.42	19.33	20.00
75	LOW	Q16	19.39	19.17	19.14	20.00	
15	1	LOW	64QAM	19.78	19.47	19.58	20.00
		MID	64QAM	19.87	19.69	19.73	20.00
		HIGH	64QAM	19.89	19.70	19.79	20.00
	36	LOW	64QAM	19.15	19.45	19.12	20.00
		MID	64QAM	19.37	19.31	19.39	20.00
		HIGH	64QAM	19.34	19.44	19.25	20.00
75	LOW	64QAM	19.44	19.47	19.38	20.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dB m)
20	1	LOW	QPSK	19.29	19.30	19.13	20.00
		MID	QPSK	19.38	19.32	19.25	20.00
		HIGH	QPSK	19.35	19.29	19.42	20.00
	50	LOW	QPSK	19.29	19.32	19.27	20.00
		MID	QPSK	19.31	19.30	19.28	20.00
		HIGH	QPSK	19.32	19.33	19.35	20.00
100	LOW	QPSK	19.30	19.30	19.26	20.00	
20	1	LOW	Q16	19.75	19.64	19.52	20.00
		MID	Q16	19.86	19.65	19.62	20.00
		HIGH	Q16	19.91	19.55	19.67	20.00
	50	LOW	Q16	19.28	19.35	19.23	20.00
		MID	Q16	19.31	19.34	19.24	20.00
		HIGH	Q16	19.35	19.33	19.22	20.00
100	LOW	Q16	19.32	19.32	19.24	20.00	
20	1	LOW	64QAM	19.80	19.57	19.60	20.00
		MID	64QAM	19.97	19.58	19.65	20.00
		HIGH	64QAM	19.86	19.55	19.68	20.00
	50	LOW	64QAM	19.18	19.44	19.10	20.00
		MID	64QAM	19.36	19.28	19.31	20.00
		HIGH	64QAM	19.27	19.45	19.24	20.00
100	LOW	64QAM	19.41	19.38	19.36	20.00	

LTE B2-State2&4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dB m)	
1.4	1	LOW	QPSK	15.63	15.68	15.68	16.50	
		MID	QPSK	15.78	15.61	15.53	16.50	
		HIGH	QPSK	15.82	15.51	15.67	16.50	
	3	LOW	QPSK	15.83	15.73	15.58	16.50	
		MID	QPSK	15.84	15.66	15.80	16.50	
		HIGH	QPSK	15.76	15.65	15.83	16.50	
	6	LOW	QPSK	15.80	15.66	15.84	16.50	
	1.4	1	LOW	Q16	16.05	16.15	15.89	16.50
			MID	Q16	16.29	15.92	16.21	16.50
HIGH			Q16	16.28	15.76	16.22	16.50	
3		LOW	Q16	15.78	15.92	15.69	16.50	
		MID	Q16	15.68	15.65	15.80	16.50	
		HIGH	Q16	15.67	15.85	15.78	16.50	
6		LOW	Q16	15.60	15.62	15.68	16.50	
1.4		1	LOW	64QAM	15.90	16.28	15.98	16.50
			MID	64QAM	16.28	15.84	16.18	16.50
	HIGH		64QAM	16.31	15.77	16.24	16.50	
	3	LOW	64QAM	15.64	15.84	15.64	16.50	
		MID	64QAM	15.62	15.72	15.83	16.50	
		HIGH	64QAM	15.66	15.99	15.64	16.50	
	6	LOW	64QAM	15.48	15.72	15.61	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dB m)
	3	1	LOW	QPSK	15.53	15.71	15.41	16.50
MID			QPSK	15.57	15.65	15.64	16.50	
HIGH			QPSK	15.71	15.74	15.81	16.50	
8		LOW	QPSK	15.55	15.91	15.72	16.50	
		MID	QPSK	15.77	15.86	15.63	16.50	
		HIGH	QPSK	15.77	15.75	15.85	16.50	
15	LOW	QPSK	15.61	15.72	15.69	16.50		
3	1	LOW	Q16	16.15	16.11	15.90	16.50	
		MID	Q16	16.42	16.00	16.12	16.50	
		HIGH	Q16	16.32	16.01	16.21	16.50	
	8	LOW	Q16	15.57	15.95	15.62	16.50	
		MID	Q16	15.90	15.65	15.75	16.50	
		HIGH	Q16	15.63	15.84	15.78	16.50	
	15	LOW	Q16	15.81	15.61	15.76	16.50	
	3	1	LOW	64QAM	16.25	15.83	15.88	16.50
			MID	64QAM	16.22	15.86	16.18	16.50
HIGH			64QAM	16.39	15.58	16.12	16.50	
8		LOW	64QAM	15.86	15.77	15.94	16.50	
		MID	64QAM	15.77	16.05	15.81	16.50	
		HIGH	64QAM	16.00	15.72	15.77	16.50	
15		LOW	64QAM	15.85	15.65	15.63	16.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dB m)
5		1	LOW	QPSK	15.55	15.77	15.61	16.50
	MID		QPSK	15.86	15.59	15.51	16.50	
	HIGH		QPSK	15.74	15.54	15.56	16.50	
	12	LOW	QPSK	15.82	15.75	15.58	16.50	
		MID	QPSK	15.66	15.85	15.65	16.50	
		HIGH	QPSK	15.83	15.74	15.87	16.50	
25	LOW	QPSK	15.67	15.58	15.61	16.50		
5	1	LOW	Q16	16.00	16.02	15.80	16.50	
		MID	Q16	16.36	15.86	16.18	16.50	
		HIGH	Q16	16.37	15.84	16.19	16.50	
	12	LOW	Q16	15.61	15.65	15.79	16.50	
		MID	Q16	15.64	15.86	15.68	16.50	
		HIGH	Q16	15.87	15.90	15.84	16.50	
	25	LOW	Q16	15.67	15.64	15.75	16.50	
	5	1	LOW	64QAM	15.97	16.03	15.85	16.50
			MID	64QAM	16.15	15.83	16.22	16.50
HIGH			64QAM	16.45	15.86	16.03	16.50	
12		LOW	64QAM	15.77	15.60	15.97	16.50	
		MID	64QAM	15.73	16.01	15.79	16.50	
		HIGH	64QAM	15.84	15.73	15.57	16.50	
25		LOW	64QAM	15.78	15.61	15.87	16.50	

LTE B2-State2&4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dB m)	
10	1	LOW	QPSK	15.59	15.63	15.48	16.50	
		MID	QPSK	15.79	15.78	15.53	16.50	
		HIGH	QPSK	15.56	15.77	15.70	16.50	
	25	LOW	QPSK	15.81	15.76	15.54	16.50	
		MID	QPSK	15.72	15.84	15.63	16.50	
		HIGH	QPSK	15.67	15.84	15.89	16.50	
	50	LOW	QPSK	15.73	15.67	15.64	16.50	
	10	1	LOW	Q16	16.18	16.04	15.86	16.50
			MID	Q16	16.27	16.11	16.01	16.50
HIGH			Q16	16.49	15.81	16.05	16.50	
25		LOW	Q16	15.80	15.66	15.81	16.50	
		MID	Q16	15.89	15.81	15.62	16.50	
		HIGH	Q16	15.66	15.86	15.61	16.50	
50		LOW	Q16	15.73	15.72	15.88	16.50	
10		1	LOW	64QAM	16.16	15.80	15.85	16.50
			MID	64QAM	16.39	15.92	15.99	16.50
	HIGH		64QAM	16.50	15.77	16.12	16.50	
	25	LOW	64QAM	15.80	15.66	15.87	16.50	
		MID	64QAM	15.83	16.02	15.75	16.50	
		HIGH	64QAM	15.84	15.78	15.59	16.50	
	50	LOW	64QAM	15.62	15.80	15.66	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dB m)
	15	1	LOW	QPSK	15.65	15.84	15.53	16.50
MID			QPSK	15.75	15.54	15.80	16.50	
HIGH			QPSK	15.85	15.75	15.67	16.50	
36		LOW	QPSK	15.70	15.70	15.75	16.50	
		MID	QPSK	15.74	15.89	15.69	16.50	
		HIGH	QPSK	15.91	15.73	15.78	16.50	
75	LOW	QPSK	15.70	15.86	15.65	16.50		
15	1	LOW	Q16	16.10	16.14	15.99	16.50	
		MID	Q16	16.36	16.13	15.95	16.50	
		HIGH	Q16	16.41	15.87	16.10	16.50	
	36	LOW	Q16	15.61	15.86	15.67	16.50	
		MID	Q16	15.72	15.82	15.64	16.50	
		HIGH	Q16	15.90	15.86	15.83	16.50	
	75	LOW	Q16	15.89	15.78	15.65	16.50	
	15	1	LOW	64QAM	16.20	15.91	15.71	16.50
			MID	64QAM	16.23	16.04	16.13	16.50
HIGH			64QAM	16.47	15.83	16.02	16.50	
36		LOW	64QAM	15.78	15.78	15.86	16.50	
		MID	64QAM	15.83	16.01	15.76	16.50	
		HIGH	64QAM	15.80	15.68	15.68	16.50	
75		LOW	64QAM	15.69	15.60	15.87	16.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dB m)
20		1	LOW	QPSK	15.67	15.69	15.53	16.50
	MID		QPSK	15.72	15.70	15.65	16.50	
	HIGH		QPSK	15.71	15.65	15.76	16.50	
	50	LOW	QPSK	15.70	15.76	15.68	16.50	
		MID	QPSK	15.72	15.75	15.76	16.50	
		HIGH	QPSK	15.76	15.78	15.75	16.50	
100	LOW	QPSK	15.72	15.73	15.76	16.50		
20	1	LOW	Q16	16.10	16.00	15.88	16.50	
		MID	Q16	16.33	15.98	16.07	16.50	
		HIGH	Q16	16.36	15.87	16.10	16.50	
	50	LOW	Q16	15.72	15.80	15.71	16.50	
		MID	Q16	15.75	15.78	15.71	16.50	
		HIGH	Q16	15.76	15.78	15.72	16.50	
	100	LOW	Q16	15.75	15.76	15.73	16.50	
	20	1	LOW	64QAM	16.11	15.88	15.83	16.50
			MID	64QAM	16.30	15.97	16.14	16.50
HIGH			64QAM	16.44	15.73	16.07	16.50	
50		LOW	64QAM	15.72	15.74	15.85	16.50	
		MID	64QAM	15.71	15.93	15.85	16.50	
		HIGH	64QAM	15.86	15.63	15.71	16.50	
100		LOW	64QAM	15.74	15.74	15.72	16.50	

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.16	22.41	22.40	23.50	
		MID	QPSK	22.31	22.30	22.35	23.50	
		HIGH	QPSK	22.51	22.47	22.46	23.50	
	3	LOW	QPSK	22.72	22.87	22.88	23.50	
		MID	QPSK	22.94	22.76	23.02	23.50	
		HIGH	QPSK	22.80	22.95	22.76	23.50	
	6	LOW	QPSK	21.77	21.92	22.00	22.50	
	1.4	1	LOW	Q16	22.23	22.33	22.32	22.50
			MID	Q16	22.23	22.37	22.37	22.50
HIGH			Q16	22.46	22.48	22.40	22.50	
3		LOW	Q16	20.67	20.92	20.77	22.50	
		MID	Q16	20.64	21.01	21.04	22.50	
		HIGH	Q16	20.82	21.03	20.82	22.50	
6		LOW	Q16	20.85	21.05	20.94	21.50	
1.4		1	LOW	64QAM	21.14	21.34	21.44	21.50
			MID	64QAM	21.15	21.46	21.37	21.50
	HIGH		64QAM	21.46	21.38	21.49	21.50	
	3	LOW	64QAM	19.59	19.78	19.79	21.50	
		MID	64QAM	19.50	19.91	20.03	21.50	
		HIGH	64QAM	19.87	20.10	19.97	21.50	
	6	LOW	64QAM	19.82	20.05	20.02	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.16	22.38	22.55	23.50
MID			QPSK	22.23	22.27	22.36	23.50	
HIGH			QPSK	22.30	22.34	22.29	23.50	
8		LOW	QPSK	21.96	21.98	21.87	22.50	
		MID	QPSK	21.87	21.93	22.01	22.50	
		HIGH	QPSK	21.90	22.11	21.84	22.50	
15		LOW	QPSK	21.69	21.79	21.87	22.50	
3		1	LOW	Q16	22.33	22.38	22.38	22.50
			MID	Q16	22.08	22.39	22.25	22.50
	HIGH		Q16	22.38	22.48	22.29	22.50	
	8	LOW	Q16	20.80	20.91	21.01	21.50	
		MID	Q16	20.80	20.83	20.88	21.50	
		HIGH	Q16	20.71	21.08	20.97	21.50	
	15	LOW	Q16	20.81	20.96	20.80	21.50	
	3	1	LOW	64QAM	21.44	21.43	21.37	21.50
			MID	64QAM	20.97	21.23	21.22	21.50
HIGH			64QAM	21.25	21.36	21.14	21.50	
8		LOW	64QAM	19.95	19.73	19.93	20.50	
		MID	64QAM	19.81	19.99	19.89	20.50	
		HIGH	64QAM	19.79	19.97	19.97	20.50	
15		LOW	64QAM	20.01	19.87	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.16	22.48	22.54	23.50
	MID		QPSK	22.09	22.29	22.30	23.50	
	HIGH		QPSK	22.39	22.40	22.47	23.50	
	12	LOW	QPSK	21.80	21.76	21.96	22.50	
		MID	QPSK	21.81	21.90	21.89	22.50	
		HIGH	QPSK	21.89	21.81	21.76	22.50	
	25	LOW	QPSK	21.75	21.80	21.86	22.50	
	5	1	LOW	Q16	22.12	22.27	22.30	22.50
			MID	Q16	22.21	22.36	22.30	22.50
HIGH			Q16	22.42	22.31	22.19	22.50	
12		LOW	Q16	20.72	20.81	20.99	21.50	
		MID	Q16	20.88	20.80	20.84	21.50	
		HIGH	Q16	20.83	21.11	20.83	21.50	
25		LOW	Q16	20.99	20.90	20.87	21.50	
5		1	LOW	64QAM	21.44	21.40	21.36	21.50
			MID	64QAM	21.07	21.33	21.05	21.50
	HIGH		64QAM	21.40	21.50	21.23	21.50	
	12	LOW	64QAM	19.89	19.98	19.95	20.50	
		MID	64QAM	19.64	19.93	19.96	20.50	
		HIGH	64QAM	19.69	19.96	19.73	20.50	
	25	LOW	64QAM	19.80	19.88	20.01	20.50	

LTE B4-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.14	22.39	22.50	23.50	
		MID	QPSK	22.19	22.41	22.40	23.50	
		HIGH	QPSK	22.35	22.32	22.59	23.50	
	25	LOW	QPSK	21.93	21.87	21.76	22.50	
		MID	QPSK	21.83	21.88	21.93	22.50	
		HIGH	QPSK	22.02	21.94	21.81	22.50	
	50	LOW	QPSK	21.69	21.77	22.02	22.50	
	10	1	LOW	Q16	22.22	22.28	22.24	22.50
			MID	Q16	22.11	22.43	22.30	22.50
HIGH			Q16	22.50	22.40	22.40	22.50	
25		LOW	Q16	20.74	20.85	20.85	21.50	
		MID	Q16	20.88	20.98	20.93	21.50	
		HIGH	Q16	20.88	20.83	20.92	21.50	
50		LOW	Q16	20.97	20.91	20.95	21.50	
10		1	LOW	64QAM	21.38	21.38	21.36	21.50
			MID	64QAM	21.17	21.34	21.09	21.50
	HIGH		64QAM	21.38	21.38	21.27	21.50	
	25	LOW	64QAM	19.91	19.82	19.86	20.50	
		MID	64QAM	19.68	20.11	20.09	20.50	
		HIGH	64QAM	19.76	20.07	19.76	20.50	
	50	LOW	64QAM	19.81	19.90	20.08	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	22.24	22.31	22.58	23.50
MID			QPSK	22.08	22.45	22.47	23.50	
HIGH			QPSK	22.37	22.42	22.58	23.50	
36		LOW	QPSK	21.79	21.77	21.87	22.50	
		MID	QPSK	21.83	21.90	21.89	22.50	
HIGH		QPSK	21.79	22.11	21.88	22.50		
75	LOW	QPSK	21.75	22.05	21.89	22.50		
15	1	LOW	Q16	22.22	22.40	22.34	22.50	
		MID	Q16	22.16	22.46	22.27	22.50	
		HIGH	Q16	22.24	22.40	22.26	22.50	
	36	LOW	Q16	20.78	20.96	21.03	21.50	
		MID	Q16	20.87	20.95	20.98	21.50	
		HIGH	Q16	20.82	21.08	20.76	21.50	
	75	LOW	Q16	20.87	20.87	20.97	21.50	
	15	1	LOW	64QAM	21.39	21.38	21.49	21.50
			MID	64QAM	21.16	21.42	21.20	21.50
HIGH			64QAM	21.39	21.40	21.31	21.50	
36		LOW	64QAM	19.70	19.92	19.80	20.50	
		MID	64QAM	19.53	19.94	20.11	20.50	
		HIGH	64QAM	19.84	20.09	19.89	20.50	
75		LOW	64QAM	19.83	19.89	20.04	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.25	22.34	22.43	23.50
	MID		QPSK	22.23	22.34	22.37	23.50	
	HIGH		QPSK	22.39	22.46	22.44	23.50	
	50	LOW	QPSK	21.82	21.86	21.90	22.50	
		MID	QPSK	21.83	21.89	21.87	22.50	
	HIGH	QPSK	21.89	21.96	21.91	22.50		
100	LOW	QPSK	21.82	21.90	21.92	22.50		
20	1	LOW	Q16	22.19	22.40	22.33	22.50	
		MID	Q16	22.17	22.39	22.25	22.50	
		HIGH	Q16	22.35	22.42	22.31	22.50	
	50	LOW	Q16	20.78	20.87	20.92	21.50	
		MID	Q16	20.79	20.91	20.89	21.50	
		HIGH	Q16	20.83	20.98	20.91	21.50	
	100	LOW	Q16	20.84	20.94	20.90	21.50	
	20	1	LOW	64QAM	21.33	21.48	21.36	21.50
			MID	64QAM	21.06	21.35	21.16	21.50
HIGH			64QAM	21.40	21.36	21.19	21.50	
50		LOW	64QAM	19.85	19.84	19.81	20.50	
		MID	64QAM	19.67	20.01	20.04	20.50	
		HIGH	64QAM	19.75	20.08	19.86	20.50	
100		LOW	64QAM	19.87	19.89	20.05	20.50	

LTE B4-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)	
1.4	1	LOW	QPSK	20.53	20.67	20.45	21.75	
		MID	QPSK	20.28	20.65	20.49	21.75	
		HIGH	QPSK	20.44	20.58	20.50	21.75	
	3	LOW	QPSK	20.65	20.52	20.75	21.75	
		MID	QPSK	20.42	20.59	20.69	21.75	
		HIGH	QPSK	20.67	20.64	20.70	21.75	
	6	LOW	QPSK	20.44	20.51	20.62	21.75	
	1.4	1	LOW	Q16	20.91	21.22	21.16	21.75
			MID	Q16	20.99	21.13	21.19	21.75
HIGH			Q16	21.10	21.22	21.20	21.75	
3		LOW	Q16	20.58	20.47	20.49	21.75	
		MID	Q16	20.65	20.71	20.51	21.75	
		HIGH	Q16	20.50	20.65	20.61	21.75	
6		LOW	Q16	20.65	20.55	20.49	21.50	
1.4		1	LOW	64QAM	20.70	20.92	20.93	21.50
			MID	64QAM	20.73	20.79	20.92	21.50
	HIGH		64QAM	20.96	20.88	20.95	21.50	
	3	LOW	64QAM	20.36	20.23	20.26	21.50	
		MID	64QAM	20.54	20.43	20.22	21.50	
		HIGH	64QAM	20.27	20.51	20.27	21.50	
	6	LOW	64QAM	19.66	19.62	19.64	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
	3	1	LOW	QPSK	20.28	20.44	20.55	21.75
MID			QPSK	20.42	20.66	20.56	21.75	
HIGH			QPSK	20.68	20.49	20.56	21.75	
8		LOW	QPSK	20.41	20.62	20.58	21.75	
		MID	QPSK	20.57	20.59	20.58	21.75	
		HIGH	QPSK	20.70	20.75	20.60	21.75	
15		LOW	QPSK	20.65	20.66	20.62	21.75	
3		1	LOW	Q16	21.03	21.22	21.02	21.75
			MID	Q16	20.99	21.23	21.04	21.75
	HIGH		Q16	21.06	21.26	21.17	21.75	
	8	LOW	Q16	20.58	20.56	20.67	21.50	
		MID	Q16	20.41	20.47	20.57	21.50	
		HIGH	Q16	20.48	20.54	20.47	21.50	
	15	LOW	Q16	20.39	20.63	20.48	21.50	
	3	1	LOW	64QAM	20.81	21.08	20.93	21.50
			MID	64QAM	20.59	20.58	20.81	21.50
HIGH			64QAM	21.07	20.81	20.81	21.50	
8		LOW	64QAM	19.61	19.58	19.65	20.50	
		MID	64QAM	19.72	19.57	19.60	20.50	
		HIGH	64QAM	19.76	19.84	19.62	20.50	
15		LOW	64QAM	19.68	19.47	19.69	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5		1	LOW	QPSK	20.44	20.42	20.62	21.75
	MID		QPSK	20.40	20.41	20.51	21.75	
	HIGH		QPSK	20.71	20.54	20.58	21.75	
	12	LOW	QPSK	20.59	20.52	20.52	21.75	
		MID	QPSK	20.65	20.71	20.71	21.75	
		HIGH	QPSK	20.67	20.82	20.74	21.75	
	25	LOW	QPSK	20.59	20.55	20.72	21.75	
	5	1	LOW	Q16	20.97	21.24	21.10	21.75
			MID	Q16	20.91	21.13	20.95	21.75
HIGH			Q16	21.19	21.05	21.20	21.75	
12		LOW	Q16	20.38	20.65	20.53	21.50	
		MID	Q16	20.55	20.74	20.46	21.50	
		HIGH	Q16	20.48	20.80	20.69	21.50	
25		LOW	Q16	20.56	20.59	20.52	21.50	
5		1	LOW	64QAM	20.76	20.90	20.98	21.50
			MID	64QAM	20.48	20.66	20.91	21.50
	HIGH		64QAM	20.79	21.08	20.82	21.50	
	12	LOW	64QAM	19.47	19.56	19.66	20.50	
		MID	64QAM	19.51	19.35	19.60	20.50	
		HIGH	64QAM	19.76	19.68	19.88	20.50	
	25	LOW	64QAM	19.60	19.65	19.65	20.50	

LTE B4-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	20.24	20.48	20.69	21.75	
		MID	QPSK	20.44	20.63	20.37	21.75	
		HIGH	QPSK	20.49	20.69	20.57	21.75	
	25	LOW	QPSK	20.54	20.53	20.61	21.75	
		MID	QPSK	20.51	20.61	20.58	21.75	
		HIGH	QPSK	20.49	20.83	20.63	21.75	
	50	LOW	QPSK	20.44	20.73	20.67	21.75	
	10	1	LOW	Q16	20.93	21.10	21.12	21.75
			MID	Q16	20.99	21.15	20.92	21.75
HIGH			Q16	21.08	21.23	21.18	21.75	
25		LOW	Q16	20.64	20.55	20.67	21.50	
		MID	Q16	20.39	20.68	20.51	21.50	
		HIGH	Q16	20.56	20.67	20.47	21.50	
50		LOW	Q16	20.61	20.50	20.70	21.50	
10		1	LOW	64QAM	20.58	20.94	21.11	21.50
			MID	64QAM	20.73	21.14	20.70	21.50
	HIGH		64QAM	20.94	20.96	21.04	21.50	
	25	LOW	64QAM	19.47	19.74	19.61	20.50	
		MID	64QAM	19.64	19.62	19.53	20.50	
		HIGH	64QAM	19.40	19.84	19.54	20.50	
	50	LOW	64QAM	19.73	19.55	19.58	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	20.38	20.45	20.49	21.75
MID			QPSK	20.34	20.56	20.66	21.75	
HIGH			QPSK	20.42	20.50	20.76	21.75	
36		LOW	QPSK	20.45	20.65	20.75	21.75	
		MID	QPSK	20.52	20.44	20.65	21.75	
		HIGH	QPSK	20.73	20.71	20.64	21.75	
75	LOW	QPSK	20.53	20.64	20.56	21.75		
15	1	LOW	Q16	20.93	21.20	21.26	21.75	
		MID	Q16	20.98	20.96	20.91	21.75	
		HIGH	Q16	21.00	21.04	21.12	21.75	
	36	LOW	Q16	20.45	20.54	20.49	21.50	
		MID	Q16	20.67	20.62	20.63	21.50	
		HIGH	Q16	20.61	20.82	20.58	21.50	
75	LOW	Q16	20.57	20.55	20.77	21.50		
15	1	LOW	64QAM	20.54	20.97	20.99	21.50	
		MID	64QAM	20.65	21.02	20.90	21.50	
		HIGH	64QAM	20.92	20.96	20.88	21.50	
	36	LOW	64QAM	19.44	19.68	19.60	20.50	
		MID	64QAM	19.48	19.69	19.60	20.50	
		HIGH	64QAM	19.40	19.78	19.62	20.50	
75	LOW	64QAM	19.77	19.66	19.63	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)	
20	1	LOW	QPSK	20.39	20.52	20.60	21.75	
		MID	QPSK	20.43	20.56	20.52	21.75	
		HIGH	QPSK	20.57	20.60	20.59	21.75	
	50	LOW	QPSK	20.52	20.57	20.61	21.75	
		MID	QPSK	20.52	20.57	20.61	21.75	
		HIGH	QPSK	20.59	20.69	20.59	21.75	
100	LOW	QPSK	20.55	20.61	20.63	21.75		
20	1	LOW	Q16	20.90	21.12	21.14	21.75	
		MID	Q16	20.88	21.11	21.04	21.75	
		HIGH	Q16	21.05	21.15	21.13	21.75	
	50	LOW	Q16	20.49	20.56	20.63	21.50	
		MID	Q16	20.53	20.60	20.61	21.50	
		HIGH	Q16	20.55	20.67	20.61	21.50	
100	LOW	Q16	20.52	20.64	20.62	21.50		
20	1	LOW	64QAM	20.60	20.82	20.98	21.50	
		MID	64QAM	20.59	21.01	20.77	21.50	
		HIGH	64QAM	20.94	20.92	21.01	21.50	
	50	LOW	64QAM	19.35	19.60	19.55	20.50	
		MID	64QAM	19.62	19.60	19.68	20.50	
		HIGH	64QAM	19.55	19.77	19.56	20.50	
100	LOW	64QAM	19.65	19.66	19.52	20.50		

LTE B4-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.17	22.43	22.44	23.50
		MID	QPSK	22.28	22.34	22.27	23.50
		HIGH	QPSK	22.52	22.57	22.48	23.50
	3	LOW	QPSK	22.88	22.83	22.92	23.50
		MID	QPSK	22.89	22.90	23.02	23.50
		HIGH	QPSK	22.89	22.98	22.98	23.50
6	LOW	QPSK	21.73	21.76	21.95	22.50	
1.4	1	LOW	Q16	22.22	22.30	22.45	22.50
		MID	Q16	22.13	22.28	22.28	22.50
		HIGH	Q16	22.22	22.35	22.45	22.50
	3	LOW	Q16	20.73	20.75	20.84	22.50
		MID	Q16	20.94	20.86	20.82	22.50
		HIGH	Q16	20.97	21.07	21.06	22.50
6	LOW	Q16	20.90	21.05	20.93	21.50	
1.4	1	LOW	64QAM	21.25	21.36	21.36	21.50
		MID	64QAM	21.27	21.21	21.33	21.50
		HIGH	64QAM	21.12	21.37	21.46	21.50
	3	LOW	64QAM	19.62	19.68	19.74	21.50
		MID	64QAM	20.00	19.88	19.87	21.50
		HIGH	64QAM	19.88	20.03	19.92	21.50
6	LOW	64QAM	19.97	20.06	19.98	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
3	1	LOW	QPSK	22.11	22.31	22.48	23.50
		MID	QPSK	22.26	22.27	22.29	23.50
		HIGH	QPSK	22.41	22.32	22.52	23.50
	8	LOW	QPSK	21.72	21.79	21.80	22.50
		MID	QPSK	21.96	21.84	21.97	22.50
		HIGH	QPSK	21.94	21.83	21.93	22.50
15	LOW	QPSK	21.94	22.04	21.89	22.50	
3	1	LOW	Q16	22.23	22.45	22.34	22.50
		MID	Q16	22.05	22.48	22.10	22.50
		HIGH	Q16	22.26	22.43	22.22	22.50
	8	LOW	Q16	20.67	20.72	21.02	21.50
		MID	Q16	20.94	20.87	20.99	21.50
		HIGH	Q16	20.95	21.12	20.94	21.50
15	LOW	Q16	20.99	20.93	20.96	21.50	
3	1	LOW	64QAM	21.09	21.23	21.41	21.50
		MID	64QAM	21.00	21.50	21.38	21.50
		HIGH	64QAM	21.50	21.49	21.31	21.50
	8	LOW	64QAM	19.77	19.87	19.86	20.50
		MID	64QAM	19.69	19.84	19.62	20.50
		HIGH	64QAM	19.86	20.12	20.01	20.50
15	LOW	64QAM	19.80	19.76	20.09	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5	1	LOW	QPSK	22.31	22.44	22.42	23.50
		MID	QPSK	22.16	22.26	22.45	23.50
		HIGH	QPSK	22.35	22.32	22.54	23.50
	12	LOW	QPSK	21.69	21.79	21.85	22.50
		MID	QPSK	21.86	21.85	21.96	22.50
		HIGH	QPSK	22.01	21.92	21.93	22.50
25	LOW	QPSK	21.69	21.89	21.96	22.50	
5	1	LOW	Q16	22.18	22.31	22.31	22.50
		MID	Q16	22.03	22.29	22.25	22.50
		HIGH	Q16	22.41	22.39	22.17	22.50
	12	LOW	Q16	20.68	20.80	20.94	21.50
		MID	Q16	20.88	21.05	21.02	21.50
		HIGH	Q16	20.77	20.96	21.00	21.50
25	LOW	Q16	20.90	20.89	20.76	21.50	
5	1	LOW	64QAM	21.19	21.30	21.38	21.50
		MID	64QAM	21.16	21.45	21.29	21.50
		HIGH	64QAM	21.43	21.40	21.49	21.50
	12	LOW	64QAM	19.78	19.75	19.98	20.50
		MID	64QAM	19.60	19.87	19.63	20.50
		HIGH	64QAM	19.96	20.05	20.10	20.50
25	LOW	64QAM	19.63	19.77	20.08	20.50	

LTE B4-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)
10	1	LOW	QPSK	22.18	22.21	22.50	23.50
		MID	QPSK	22.18	22.29	22.39	23.50
		HIGH	QPSK	22.32	22.47	22.37	23.50
	25	LOW	QPSK	21.83	21.83	21.96	22.50
		MID	QPSK	21.70	22.02	22.00	22.50
		HIGH	QPSK	22.03	21.84	21.86	22.50
50	LOW	QPSK	21.94	21.76	22.06	22.50	
10	1	LOW	Q16	22.08	22.47	22.31	22.50
		MID	Q16	22.24	22.25	22.40	22.50
		HIGH	Q16	22.20	22.44	22.42	22.50
	25	LOW	Q16	20.73	20.99	20.81	21.50
		MID	Q16	20.89	20.98	20.80	21.50
		HIGH	Q16	20.91	21.02	20.92	21.50
50	LOW	Q16	20.85	20.79	20.98	21.50	
10	1	LOW	64QAM	21.14	21.23	21.30	21.50
		MID	64QAM	21.09	21.35	21.49	21.50
		HIGH	64QAM	21.42	21.28	21.40	21.50
	25	LOW	64QAM	19.83	19.84	19.76	20.50
		MID	64QAM	19.90	19.86	19.83	20.50
		HIGH	64QAM	19.96	20.18	19.92	20.50
50	LOW	64QAM	19.87	19.79	20.03	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
15	1	LOW	QPSK	22.31	22.37	22.39	23.50
		MID	QPSK	22.14	22.40	22.33	23.50
		HIGH	QPSK	22.25	22.49	22.50	23.50
	36	LOW	QPSK	21.82	21.73	21.88	22.50
		MID	QPSK	21.89	21.83	21.77	22.50
		HIGH	QPSK	22.00	22.04	21.78	22.50
75	LOW	QPSK	21.75	21.96	21.84	22.50	
15	1	LOW	Q16	22.28	22.42	22.38	22.50
		MID	Q16	22.05	22.33	22.28	22.50
		HIGH	Q16	22.28	22.29	22.16	22.50
	36	LOW	Q16	20.91	20.94	21.02	21.50
		MID	Q16	20.77	20.77	20.84	21.50
		HIGH	Q16	20.79	20.98	20.86	21.50
75	LOW	Q16	20.82	20.95	20.90	21.50	
15	1	LOW	64QAM	21.00	21.50	21.33	21.50
		MID	64QAM	21.27	21.37	21.41	21.50
		HIGH	64QAM	21.36	21.34	21.40	21.50
	36	LOW	64QAM	19.78	19.79	19.85	20.50
		MID	64QAM	19.86	19.98	19.66	20.50
		HIGH	64QAM	19.82	20.11	20.18	20.50
75	LOW	64QAM	19.72	19.76	20.11	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)
20	1	LOW	QPSK	22.25	22.34	22.43	23.50
		MID	QPSK	22.23	22.34	22.37	23.50
		HIGH	QPSK	22.39	22.46	22.44	23.50
	50	LOW	QPSK	21.82	21.86	21.90	22.50
		MID	QPSK	21.83	21.89	21.87	22.50
		HIGH	QPSK	21.89	21.96	21.91	22.50
100	LOW	QPSK	21.82	21.90	21.92	22.50	
20	1	LOW	Q16	22.19	22.40	22.33	22.50
		MID	Q16	22.17	22.39	22.25	22.50
		HIGH	Q16	22.35	22.42	22.31	22.50
	50	LOW	Q16	20.78	20.87	20.92	21.50
		MID	Q16	20.79	20.91	20.89	21.50
		HIGH	Q16	20.83	20.98	20.91	21.50
100	LOW	Q16	20.84	20.94	20.90	21.50	
20	1	LOW	64QAM	21.11	21.38	21.43	21.50
		MID	64QAM	21.13	21.41	21.36	21.50
		HIGH	64QAM	21.49	21.35	21.44	21.50
	50	LOW	64QAM	19.84	19.84	19.89	20.50
		MID	64QAM	19.75	19.84	19.76	20.50
		HIGH	64QAM	19.87	20.04	20.04	20.50
100	LOW	64QAM	19.76	19.84	20.01	20.50	

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.16	22.41	22.40	23.50	
		MID	QPSK	22.31	22.30	22.35	23.50	
		HIGH	QPSK	22.51	22.47	22.46	23.50	
	3	LOW	QPSK	22.72	22.87	22.88	23.50	
		MID	QPSK	22.94	22.76	23.02	23.50	
		HIGH	QPSK	22.80	22.95	22.76	23.50	
	6	LOW	QPSK	21.77	21.92	22.00	22.50	
	1.4	1	LOW	Q16	22.23	22.33	22.32	22.50
			MID	Q16	22.23	22.37	22.37	22.50
HIGH			Q16	22.46	22.48	22.40	22.50	
3		LOW	Q16	20.67	20.92	20.77	22.50	
		MID	Q16	20.64	21.01	21.04	22.50	
		HIGH	Q16	20.82	21.03	20.82	22.50	
6		LOW	Q16	20.85	21.05	20.94	21.50	
1.4		1	LOW	64QAM	21.14	21.34	21.44	21.50
			MID	64QAM	21.15	21.46	21.37	21.50
	HIGH		64QAM	21.46	21.38	21.49	21.50	
	3	LOW	64QAM	19.59	19.78	19.79	21.50	
		MID	64QAM	19.50	19.91	20.03	21.50	
		HIGH	64QAM	19.87	20.10	19.97	21.50	
	6	LOW	64QAM	19.82	20.05	20.02	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.16	22.38	22.55	23.50
MID			QPSK	22.23	22.27	22.36	23.50	
HIGH			QPSK	22.30	22.34	22.29	23.50	
8		LOW	QPSK	21.96	21.98	21.87	22.50	
		MID	QPSK	21.87	21.93	22.01	22.50	
		HIGH	QPSK	21.90	22.11	21.84	22.50	
15		LOW	QPSK	21.69	21.79	21.87	22.50	
3		1	LOW	Q16	22.33	22.38	22.38	22.50
			MID	Q16	22.08	22.39	22.25	22.50
	HIGH		Q16	22.38	22.48	22.29	22.50	
	8	LOW	Q16	20.80	20.91	21.01	21.50	
		MID	Q16	20.80	20.83	20.88	21.50	
		HIGH	Q16	20.71	21.08	20.97	21.50	
	15	LOW	Q16	20.81	20.96	20.80	21.50	
	3	1	LOW	64QAM	21.44	21.43	21.37	21.50
			MID	64QAM	20.97	21.23	21.22	21.50
HIGH			64QAM	21.25	21.36	21.14	21.50	
8		LOW	64QAM	19.95	19.73	19.93	20.50	
		MID	64QAM	19.81	19.99	19.89	20.50	
		HIGH	64QAM	19.79	19.97	19.97	20.50	
15		LOW	64QAM	20.01	19.87	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.16	22.48	22.54	23.50
	MID		QPSK	22.09	22.29	22.30	23.50	
	HIGH		QPSK	22.39	22.40	22.47	23.50	
	12	LOW	QPSK	21.80	21.76	21.96	22.50	
		MID	QPSK	21.81	21.90	21.89	22.50	
		HIGH	QPSK	21.89	21.81	21.76	22.50	
	25	LOW	QPSK	21.75	21.80	21.86	22.50	
	5	1	LOW	Q16	22.12	22.27	22.30	22.50
			MID	Q16	22.21	22.36	22.30	22.50
HIGH			Q16	22.42	22.31	22.19	22.50	
12		LOW	Q16	20.72	20.81	20.99	21.50	
		MID	Q16	20.88	20.80	20.84	21.50	
		HIGH	Q16	20.83	21.11	20.83	21.50	
25		LOW	Q16	20.99	20.90	20.87	21.50	
5		1	LOW	64QAM	21.44	21.40	21.36	21.50
			MID	64QAM	21.07	21.33	21.05	21.50
	HIGH		64QAM	21.40	21.50	21.23	21.50	
	12	LOW	64QAM	19.89	19.98	19.95	20.50	
		MID	64QAM	19.64	19.93	19.96	20.50	
		HIGH	64QAM	19.69	19.96	19.73	20.50	
	25	LOW	64QAM	19.80	19.88	20.01	20.50	

LTE B4-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.14	22.39	22.50	23.50	
		MID	QPSK	22.19	22.41	22.40	23.50	
		HIGH	QPSK	22.35	22.32	22.59	23.50	
	25	LOW	QPSK	21.93	21.87	21.76	22.50	
		MID	QPSK	21.83	21.88	21.93	22.50	
		HIGH	QPSK	22.02	21.94	21.81	22.50	
	50	LOW	QPSK	21.69	21.77	22.02	22.50	
	10	1	LOW	Q16	22.22	22.28	22.24	22.50
			MID	Q16	22.11	22.43	22.30	22.50
HIGH			Q16	22.50	22.40	22.40	22.50	
25		LOW	Q16	20.74	20.85	20.85	21.50	
		MID	Q16	20.88	20.98	20.93	21.50	
		HIGH	Q16	20.88	20.83	20.92	21.50	
50		LOW	Q16	20.97	20.91	20.95	21.50	
10		1	LOW	64QAM	21.38	21.38	21.36	21.50
			MID	64QAM	21.17	21.34	21.09	21.50
	HIGH		64QAM	21.38	21.38	21.27	21.50	
	25	LOW	64QAM	19.91	19.82	19.86	20.50	
		MID	64QAM	19.68	20.11	20.09	20.50	
		HIGH	64QAM	19.76	20.07	19.76	20.50	
	50	LOW	64QAM	19.81	19.90	20.08	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	22.24	22.31	22.58	23.50
MID			QPSK	22.08	22.45	22.47	23.50	
HIGH			QPSK	22.37	22.42	22.58	23.50	
36		LOW	QPSK	21.79	21.77	21.87	22.50	
		MID	QPSK	21.83	21.90	21.89	22.50	
		HIGH	QPSK	21.79	22.11	21.88	22.50	
75		LOW	QPSK	21.75	22.05	21.89	22.50	
15		1	LOW	Q16	22.22	22.40	22.34	22.50
			MID	Q16	22.16	22.46	22.27	22.50
	HIGH		Q16	22.24	22.40	22.26	22.50	
	36	LOW	Q16	20.78	20.96	21.03	21.50	
		MID	Q16	20.87	20.95	20.98	21.50	
		HIGH	Q16	20.82	21.08	20.76	21.50	
	75	LOW	Q16	20.87	20.87	20.97	21.50	
	15	1	LOW	64QAM	21.39	21.38	21.49	21.50
			MID	64QAM	21.16	21.42	21.20	21.50
HIGH			64QAM	21.39	21.40	21.31	21.50	
36		LOW	64QAM	19.70	19.92	19.80	20.50	
		MID	64QAM	19.53	19.94	20.11	20.50	
		HIGH	64QAM	19.84	20.09	19.89	20.50	
75		LOW	64QAM	19.83	19.89	20.04	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.25	22.34	22.43	23.50
	MID		QPSK	22.23	22.34	22.37	23.50	
	HIGH		QPSK	22.39	22.46	22.44	23.50	
	50	LOW	QPSK	21.82	21.86	21.90	22.50	
		MID	QPSK	21.83	21.89	21.87	22.50	
		HIGH	QPSK	21.89	21.96	21.91	22.50	
	100	LOW	QPSK	21.82	21.90	21.92	22.50	
	20	1	LOW	Q16	22.19	22.40	22.33	22.50
			MID	Q16	22.17	22.39	22.25	22.50
HIGH			Q16	22.35	22.42	22.31	22.50	
50		LOW	Q16	20.78	20.87	20.92	21.50	
		MID	Q16	20.79	20.91	20.89	21.50	
		HIGH	Q16	20.83	20.98	20.91	21.50	
100		LOW	Q16	20.84	20.94	20.90	21.50	
20		1	LOW	64QAM	21.33	21.48	21.36	21.50
			MID	64QAM	21.06	21.35	21.16	21.50
	HIGH		64QAM	21.40	21.36	21.19	21.50	
	50	LOW	64QAM	19.85	19.84	19.81	20.50	
		MID	64QAM	19.67	20.01	20.04	20.50	
		HIGH	64QAM	19.75	20.08	19.86	20.50	
	100	LOW	64QAM	19.87	19.89	20.05	20.50	

LTE B4-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.66	18.57	18.64	19.50	
		MID	QPSK	18.69	18.79	18.57	19.50	
		HIGH	QPSK	18.71	18.74	18.81	19.50	
	3	LOW	QPSK	18.65	18.83	18.76	19.50	
		MID	QPSK	18.62	18.70	18.70	19.50	
		HIGH	QPSK	18.70	18.74	18.75	19.50	
	6	LOW	QPSK	18.80	18.72	18.72	19.50	
	1.4	1	LOW	Q16	18.48	18.64	18.98	19.50
			MID	Q16	18.85	18.59	18.65	19.50
HIGH			Q16	18.69	18.77	18.64	19.50	
3		LOW	Q16	18.57	18.68	18.76	19.50	
		MID	Q16	18.70	18.70	18.74	19.50	
		HIGH	Q16	18.69	18.46	18.41	19.50	
6		LOW	Q16	18.75	18.72	18.67	19.50	
1.4		1	LOW	64QAM	18.47	18.61	18.95	19.50
			MID	64QAM	18.81	18.58	18.62	19.50
	HIGH		64QAM	18.74	18.77	18.76	19.50	
	3	LOW	64QAM	18.70	18.64	18.85	19.50	
		MID	64QAM	18.61	18.73	18.88	19.50	
		HIGH	64QAM	18.65	18.48	18.43	19.50	
	6	LOW	64QAM	18.77	18.85	18.72	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	18.74	18.80	18.70	19.50
MID			QPSK	18.72	18.87	18.84	19.50	
HIGH			QPSK	18.58	18.67	18.71	19.50	
8		LOW	QPSK	18.77	18.85	18.78	19.50	
		MID	QPSK	18.84	18.66	18.72	19.50	
		HIGH	QPSK	18.64	18.64	18.78	19.50	
15		LOW	QPSK	18.71	18.74	18.84	19.50	
3		1	LOW	Q16	18.51	18.62	18.87	19.50
			MID	Q16	18.67	18.70	18.83	19.50
	HIGH		Q16	18.74	18.93	18.69	19.50	
	8	LOW	Q16	18.75	18.82	18.89	19.50	
		MID	Q16	18.67	18.94	18.66	19.50	
		HIGH	Q16	18.52	18.55	18.64	19.50	
	15	LOW	Q16	18.77	18.72	18.76	19.50	
	3	1	LOW	64QAM	18.70	18.67	18.86	19.50
			MID	64QAM	18.82	18.49	18.99	19.50
HIGH			64QAM	18.63	18.78	18.65	19.50	
8		LOW	64QAM	18.62	18.94	18.81	19.50	
		MID	64QAM	18.75	18.72	18.63	19.50	
		HIGH	64QAM	18.53	18.62	18.75	19.50	
15		LOW	64QAM	18.72	18.78	18.71	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	18.66	18.57	18.66	19.50
	MID		QPSK	18.70	18.72	18.56	19.50	
	HIGH		QPSK	18.66	18.75	18.87	19.50	
	12	LOW	QPSK	18.67	18.71	18.70	19.50	
		MID	QPSK	18.75	18.59	18.93	19.50	
		HIGH	QPSK	18.62	18.57	18.59	19.50	
	25	LOW	QPSK	18.76	18.69	18.81	19.50	
	5	1	LOW	Q16	18.51	18.71	18.73	19.50
			MID	Q16	18.72	18.65	18.64	19.50
HIGH			Q16	18.69	18.84	18.54	19.50	
12		LOW	Q16	18.53	18.70	18.88	19.50	
		MID	Q16	18.81	18.86	18.68	19.50	
		HIGH	Q16	18.45	18.44	18.76	19.50	
25		LOW	Q16	18.60	18.88	18.59	19.50	
5		1	LOW	64QAM	18.67	18.63	18.85	19.50
			MID	64QAM	18.76	18.53	18.96	19.50
	HIGH		64QAM	18.62	18.62	18.62	19.50	
	12	LOW	64QAM	18.66	18.70	18.52	19.50	
		MID	64QAM	18.68	18.92	18.70	19.50	
		HIGH	64QAM	18.52	18.56	18.56	19.50	
	25	LOW	64QAM	18.79	18.64	18.69	19.50	

LTE B4-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	18.89	18.77	18.81	19.50	
		MID	QPSK	18.70	18.74	18.77	19.50	
		HIGH	QPSK	18.69	18.62	18.84	19.50	
	25	LOW	QPSK	18.51	18.65	18.79	19.50	
		MID	QPSK	18.77	18.62	18.71	19.50	
		HIGH	QPSK	18.71	18.73	18.87	19.50	
	50	LOW	QPSK	18.78	18.62	18.57	19.50	
	10	1	LOW	Q16	18.72	18.52	18.87	19.50
			MID	Q16	18.80	18.49	18.90	19.50
HIGH			Q16	18.75	18.69	18.57	19.50	
25		LOW	Q16	18.75	18.64	18.89	19.50	
		MID	Q16	18.66	18.89	18.71	19.50	
		HIGH	Q16	18.69	18.61	18.87	19.50	
50		LOW	Q16	18.61	18.63	18.56	19.50	
10		1	LOW	64QAM	18.89	18.48	18.85	19.50
			MID	64QAM	18.89	18.54	18.74	19.50
	HIGH		64QAM	18.78	18.72	18.50	19.50	
	25	LOW	64QAM	18.82	18.70	18.78	19.50	
		MID	64QAM	18.87	18.85	18.70	19.50	
		HIGH	64QAM	18.40	18.46	18.57	19.50	
	50	LOW	64QAM	18.80	18.59	18.72	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	18.86	18.81	18.57	19.50
MID			QPSK	18.59	18.94	18.66	19.50	
HIGH			QPSK	18.52	18.70	18.85	19.50	
36		LOW	QPSK	18.58	18.63	18.68	19.50	
		MID	QPSK	18.74	18.46	18.72	19.50	
		HIGH	QPSK	18.52	18.71	18.61	19.50	
75		LOW	QPSK	18.61	18.59	18.78	19.50	
15		1	LOW	Q16	18.56	18.52	18.70	19.50
			MID	Q16	18.87	18.65	18.65	19.50
	HIGH		Q16	18.59	18.72	18.44	19.50	
	36	LOW	Q16	18.68	18.55	18.84	19.50	
		MID	Q16	18.80	18.82	18.72	19.50	
		HIGH	Q16	18.51	18.65	18.65	19.50	
	75	LOW	Q16	18.76	18.87	18.82	19.50	
	15	1	LOW	64QAM	18.79	18.63	18.95	19.50
			MID	64QAM	18.75	18.53	18.80	19.50
HIGH			64QAM	18.76	18.54	18.46	19.50	
36		LOW	64QAM	18.79	18.75	18.56	19.50	
		MID	64QAM	18.89	18.96	18.66	19.50	
		HIGH	64QAM	18.57	18.72	18.74	19.50	
75		LOW	64QAM	18.67	18.75	18.53	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	18.76	18.68	18.66	19.50
	MID		QPSK	18.74	18.82	18.70	19.50	
	HIGH		QPSK	18.59	18.62	18.82	19.50	
	50	LOW	QPSK	18.62	18.72	18.82	19.50	
		MID	QPSK	18.70	18.60	18.83	19.50	
		HIGH	QPSK	18.66	18.58	18.73	19.50	
	100	LOW	QPSK	18.72	18.72	18.72	19.50	
	20	1	LOW	Q16	18.61	18.59	18.83	19.50
			MID	Q16	18.75	18.58	18.77	19.50
HIGH			Q16	18.67	18.80	18.56	19.50	
50		LOW	Q16	18.62	18.67	18.79	19.50	
		MID	Q16	18.80	18.84	18.61	19.50	
		HIGH	Q16	18.58	18.58	18.78	19.50	
100		LOW	Q16	18.63	18.77	18.68	19.50	
20		1	LOW	64QAM	18.75	18.56	18.97	19.50
			MID	64QAM	18.75	18.59	18.84	19.50
	HIGH		64QAM	18.69	18.68	18.59	19.50	
	50	LOW	64QAM	18.71	18.81	18.67	19.50	
		MID	64QAM	18.76	18.86	18.55	19.50	
		HIGH	64QAM	18.45	18.61	18.66	19.50	
	100	LOW	64QAM	18.69	18.63	18.57	19.50	

LTE B4-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.16	22.41	22.40	23.50	
		MID	QPSK	22.31	22.30	22.35	23.50	
		HIGH	QPSK	22.51	22.47	22.46	23.50	
	3	LOW	QPSK	22.72	22.87	22.88	23.50	
		MID	QPSK	22.94	22.76	23.02	23.50	
		HIGH	QPSK	22.80	22.95	22.76	23.50	
	6	LOW	QPSK	21.77	21.92	22.00	22.50	
	1.4	1	LOW	Q16	22.23	22.33	22.32	22.50
			MID	Q16	22.23	22.37	22.37	22.50
HIGH			Q16	22.46	22.48	22.40	22.50	
3		LOW	Q16	20.67	20.92	20.77	22.50	
		MID	Q16	20.64	21.01	21.04	22.50	
		HIGH	Q16	20.82	21.03	20.82	22.50	
6		LOW	Q16	20.85	21.05	20.94	21.50	
1.4		1	LOW	64QAM	21.14	21.34	21.44	21.50
			MID	64QAM	21.15	21.46	21.37	21.50
	HIGH		64QAM	21.46	21.38	21.49	21.50	
	3	LOW	64QAM	19.59	19.78	19.79	21.50	
		MID	64QAM	19.50	19.91	20.03	21.50	
		HIGH	64QAM	19.87	20.10	19.97	21.50	
	6	LOW	64QAM	19.82	20.05	20.02	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.16	22.38	22.55	23.50
MID			QPSK	22.23	22.27	22.36	23.50	
HIGH			QPSK	22.30	22.34	22.29	23.50	
8		LOW	QPSK	21.96	21.98	21.87	22.50	
		MID	QPSK	21.87	21.93	22.01	22.50	
		HIGH	QPSK	21.90	22.11	21.84	22.50	
15		LOW	QPSK	21.69	21.79	21.87	22.50	
3		1	LOW	Q16	22.33	22.38	22.38	22.50
			MID	Q16	22.08	22.39	22.25	22.50
	HIGH		Q16	22.38	22.48	22.29	22.50	
	8	LOW	Q16	20.80	20.91	21.01	21.50	
		MID	Q16	20.80	20.83	20.88	21.50	
		HIGH	Q16	20.71	21.08	20.97	21.50	
	15	LOW	Q16	20.81	20.96	20.80	21.50	
	3	1	LOW	64QAM	21.44	21.43	21.37	21.50
			MID	64QAM	20.97	21.23	21.22	21.50
HIGH			64QAM	21.25	21.36	21.14	21.50	
8		LOW	64QAM	19.95	19.73	19.93	20.50	
		MID	64QAM	19.81	19.99	19.89	20.50	
		HIGH	64QAM	19.79	19.97	19.97	20.50	
15		LOW	64QAM	20.01	19.87	20.15	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.16	22.48	22.54	23.50
	MID		QPSK	22.09	22.29	22.30	23.50	
	HIGH		QPSK	22.39	22.40	22.47	23.50	
	12	LOW	QPSK	21.80	21.76	21.96	22.50	
		MID	QPSK	21.81	21.90	21.89	22.50	
		HIGH	QPSK	21.89	21.81	21.76	22.50	
	25	LOW	QPSK	21.75	21.80	21.86	22.50	
	5	1	LOW	Q16	22.12	22.27	22.30	22.50
			MID	Q16	22.21	22.36	22.30	22.50
HIGH			Q16	22.42	22.31	22.19	22.50	
12		LOW	Q16	20.72	20.81	20.99	21.50	
		MID	Q16	20.88	20.80	20.84	21.50	
		HIGH	Q16	20.83	21.11	20.83	21.50	
25		LOW	Q16	20.99	20.90	20.87	21.50	
5		1	LOW	64QAM	21.44	21.40	21.36	21.50
			MID	64QAM	21.07	21.33	21.05	21.50
	HIGH		64QAM	21.40	21.50	21.23	21.50	
	12	LOW	64QAM	19.89	19.98	19.95	20.50	
		MID	64QAM	19.64	19.93	19.96	20.50	
		HIGH	64QAM	19.69	19.96	19.73	20.50	
	25	LOW	64QAM	19.80	19.88	20.01	20.50	

LTE B4-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.14	22.39	22.50	23.50	
		MID	QPSK	22.19	22.41	22.40	23.50	
		HIGH	QPSK	22.35	22.32	22.59	23.50	
	25	LOW	QPSK	21.93	21.87	21.76	22.50	
		MID	QPSK	21.83	21.88	21.93	22.50	
		HIGH	QPSK	22.02	21.94	21.81	22.50	
	50	LOW	QPSK	21.69	21.77	22.02	22.50	
	10	1	LOW	Q16	22.22	22.28	22.24	22.50
			MID	Q16	22.11	22.43	22.30	22.50
HIGH			Q16	22.50	22.40	22.40	22.50	
25		LOW	Q16	20.74	20.85	20.85	21.50	
		MID	Q16	20.88	20.98	20.93	21.50	
		HIGH	Q16	20.88	20.83	20.92	21.50	
50		LOW	Q16	20.97	20.91	20.95	21.50	
10		1	LOW	64QAM	21.38	21.38	21.36	21.50
			MID	64QAM	21.17	21.34	21.09	21.50
	HIGH		64QAM	21.38	21.38	21.27	21.50	
	25	LOW	64QAM	19.91	19.82	19.86	20.50	
		MID	64QAM	19.68	20.11	20.09	20.50	
		HIGH	64QAM	19.76	20.07	19.76	20.50	
	50	LOW	64QAM	19.81	19.90	20.08	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	22.24	22.31	22.58	23.50
MID			QPSK	22.08	22.45	22.47	23.50	
HIGH			QPSK	22.37	22.42	22.58	23.50	
36		LOW	QPSK	21.79	21.77	21.87	22.50	
		MID	QPSK	21.83	21.90	21.89	22.50	
		HIGH	QPSK	21.79	22.11	21.88	22.50	
75		LOW	QPSK	21.75	22.05	21.89	22.50	
15		1	LOW	Q16	22.22	22.40	22.34	22.50
			MID	Q16	22.16	22.46	22.27	22.50
	HIGH		Q16	22.24	22.40	22.26	22.50	
	36	LOW	Q16	20.78	20.96	21.03	21.50	
		MID	Q16	20.87	20.95	20.98	21.50	
		HIGH	Q16	20.82	21.08	20.76	21.50	
	75	LOW	Q16	20.87	20.87	20.97	21.50	
	15	1	LOW	64QAM	21.39	21.38	21.49	21.50
			MID	64QAM	21.16	21.42	21.20	21.50
HIGH			64QAM	21.39	21.40	21.31	21.50	
36		LOW	64QAM	19.70	19.92	19.80	20.50	
		MID	64QAM	19.53	19.94	20.11	20.50	
		HIGH	64QAM	19.84	20.09	19.89	20.50	
75		LOW	64QAM	19.83	19.89	20.04	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.25	22.34	22.43	23.50
	MID		QPSK	22.23	22.34	22.37	23.50	
	HIGH		QPSK	22.39	22.46	22.44	23.50	
	50	LOW	QPSK	21.82	21.86	21.90	22.50	
		MID	QPSK	21.83	21.89	21.87	22.50	
		HIGH	QPSK	21.89	21.96	21.91	22.50	
	100	LOW	QPSK	21.82	21.90	21.92	22.50	
	20	1	LOW	Q16	22.19	22.40	22.33	22.50
			MID	Q16	22.17	22.39	22.25	22.50
HIGH			Q16	22.35	22.42	22.31	22.50	
50		LOW	Q16	20.78	20.87	20.92	21.50	
		MID	Q16	20.79	20.91	20.89	21.50	
		HIGH	Q16	20.83	20.98	20.91	21.50	
100		LOW	Q16	20.84	20.94	20.90	21.50	
20		1	LOW	64QAM	21.33	21.48	21.36	21.50
			MID	64QAM	21.06	21.35	21.16	21.50
	HIGH		64QAM	21.40	21.36	21.19	21.50	
	50	LOW	64QAM	19.85	19.84	19.81	20.50	
		MID	64QAM	19.67	20.01	20.04	20.50	
		HIGH	64QAM	19.75	20.08	19.86	20.50	
	100	LOW	64QAM	19.87	19.89	20.05	20.50	

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.41	22.49	22.33	23.50	
		MID	QPSK	22.55	22.37	22.44	23.50	
		HIGH	QPSK	22.62	22.69	22.55	23.50	
	3	LOW	QPSK	23.07	22.76	22.95	23.50	
		MID	QPSK	22.89	23.01	22.96	23.50	
		HIGH	QPSK	23.00	23.08	22.94	23.50	
	6	LOW	QPSK	22.09	22.00	21.87	22.50	
	1.4	1	LOW	Q16	22.38	22.38	22.44	22.50
			MID	Q16	22.42	22.32	22.44	22.50
HIGH			Q16	22.31	22.39	22.47	22.50	
3		LOW	Q16	20.98	21.03	20.95	22.50	
		MID	Q16	20.83	20.96	21.00	22.50	
		HIGH	Q16	20.97	21.17	20.84	22.50	
6		LOW	Q16	20.78	21.07	20.92	21.50	
1.4		1	LOW	64QAM	21.44	21.36	21.40	21.50
			MID	64QAM	21.36	21.31	21.42	21.50
	HIGH		64QAM	21.17	21.49	21.41	21.50	
	3	LOW	64QAM	19.98	19.98	20.03	21.50	
		MID	64QAM	19.78	20.00	20.02	21.50	
		HIGH	64QAM	20.09	20.02	19.79	21.50	
	6	LOW	64QAM	19.89	20.11	19.84	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.45	22.35	22.47	23.50
MID			QPSK	22.36	22.46	22.51	23.50	
HIGH			QPSK	22.70	22.71	22.39	23.50	
8		LOW	QPSK	21.94	21.82	21.95	22.50	
		MID	QPSK	21.89	21.90	22.02	22.50	
		HIGH	QPSK	22.07	22.00	22.05	22.50	
15		LOW	QPSK	22.09	21.85	22.07	22.50	
3		1	LOW	Q16	22.37	22.30	22.43	22.50
			MID	Q16	22.37	22.42	22.25	22.50
	HIGH		Q16	22.30	22.38	22.32	22.50	
	8	LOW	Q16	20.74	20.95	20.87	21.50	
		MID	Q16	20.79	20.99	20.81	21.50	
		HIGH	Q16	20.96	20.94	20.87	21.50	
	15	LOW	Q16	20.84	20.91	20.96	21.50	
	3	1	LOW	64QAM	21.44	21.28	21.42	21.50
			MID	64QAM	21.38	21.46	21.29	21.50
HIGH			64QAM	21.40	21.36	21.46	21.50	
8		LOW	64QAM	20.02	20.02	20.08	20.50	
		MID	64QAM	20.02	20.07	19.99	20.50	
		HIGH	64QAM	20.03	19.88	20.06	20.50	
15		LOW	64QAM	19.92	20.06	20.22	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.54	22.51	22.45	23.50
	MID		QPSK	22.45	22.42	22.35	23.50	
	HIGH		QPSK	22.51	22.45	22.58	23.50	
	12	LOW	QPSK	22.03	21.77	22.18	22.50	
		MID	QPSK	21.83	21.92	22.01	22.50	
		HIGH	QPSK	21.95	22.16	22.11	22.50	
	25	LOW	QPSK	22.09	21.91	21.99	22.50	
	5	1	LOW	Q16	22.43	22.34	22.32	22.50
			MID	Q16	22.40	22.18	22.40	22.50
HIGH			Q16	22.31	22.45	22.50	22.50	
12		LOW	Q16	20.92	20.94	21.08	21.50	
		MID	Q16	21.08	20.96	20.92	21.50	
		HIGH	Q16	21.05	21.14	20.95	21.50	
25		LOW	Q16	20.81	21.13	21.05	21.50	
5		1	LOW	64QAM	21.48	21.38	21.28	21.50
			MID	64QAM	21.36	21.44	21.39	21.50
	HIGH		64QAM	21.17	21.38	21.40	21.50	
	12	LOW	64QAM	19.98	20.00	20.08	20.50	
		MID	64QAM	19.99	20.00	19.95	20.50	
		HIGH	64QAM	19.81	19.78	19.88	20.50	
	25	LOW	64QAM	20.10	20.13	20.22	20.50	

LTE B4-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	22.39	22.41	22.57	23.50	
		MID	QPSK	22.45	22.41	22.59	23.50	
		HIGH	QPSK	22.51	22.50	22.37	23.50	
	25	LOW	QPSK	21.80	21.88	21.90	22.50	
		MID	QPSK	22.02	21.94	22.04	22.50	
		HIGH	QPSK	21.87	22.06	21.94	22.50	
50	LOW	QPSK	21.93	22.14	22.03	22.50		
10	1	LOW	Q16	22.34	22.22	22.38	22.50	
		MID	Q16	22.40	22.40	22.42	22.50	
		HIGH	Q16	22.48	22.39	22.45	22.50	
	25	LOW	Q16	20.84	20.95	20.86	21.50	
		MID	Q16	20.95	20.93	21.06	21.50	
		HIGH	Q16	21.00	20.97	20.99	21.50	
	50	LOW	Q16	20.98	21.10	20.97	21.50	
	10	1	LOW	64QAM	21.50	21.29	21.12	21.50
			MID	64QAM	21.39	21.29	21.34	21.50
HIGH			64QAM	21.42	21.45	21.42	21.50	
25		LOW	64QAM	19.98	19.89	20.01	20.50	
		MID	64QAM	19.95	20.08	20.00	20.50	
		HIGH	64QAM	19.88	20.01	19.85	20.50	
50	LOW	64QAM	19.85	20.19	19.99	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	22.44	22.47	22.61	23.50	
		MID	QPSK	22.30	22.42	22.48	23.50	
		HIGH	QPSK	22.53	22.57	22.39	23.50	
	36	LOW	QPSK	21.93	22.00	22.04	22.50	
		MID	QPSK	21.93	22.05	22.00	22.50	
		HIGH	QPSK	22.08	22.08	21.95	22.50	
75	LOW	QPSK	21.87	22.01	21.91	22.50		
15	1	LOW	Q16	22.43	22.25	22.50	22.50	
		MID	Q16	22.41	22.14	22.32	22.50	
		HIGH	Q16	22.40	22.26	22.38	22.50	
	36	LOW	Q16	20.79	20.75	20.91	21.50	
		MID	Q16	20.97	21.01	20.86	21.50	
		HIGH	Q16	20.92	20.95	20.95	21.50	
	75	LOW	Q16	21.08	21.01	20.84	21.50	
	15	1	LOW	64QAM	21.39	21.28	21.24	21.50
			MID	64QAM	21.44	21.35	21.40	21.50
HIGH			64QAM	21.31	21.46	21.47	21.50	
36		LOW	64QAM	20.15	20.01	20.06	20.50	
		MID	64QAM	20.01	20.13	20.12	20.50	
		HIGH	64QAM	19.87	19.83	19.95	20.50	
75	LOW	64QAM	20.13	19.99	20.09	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)	
20	1	LOW	QPSK	22.41	22.39	22.48	23.50	
		MID	QPSK	22.44	22.42	22.46	23.50	
		HIGH	QPSK	22.66	22.56	22.50	23.50	
	50	LOW	QPSK	21.94	21.91	22.04	22.50	
		MID	QPSK	21.96	21.97	21.99	22.50	
		HIGH	QPSK	22.01	22.05	21.98	22.50	
100	LOW	QPSK	21.95	22.00	22.00	22.50		
20	1	LOW	Q16	22.44	22.27	22.36	22.50	
		MID	Q16	22.50	22.29	22.33	22.50	
		HIGH	Q16	22.42	22.40	22.38	22.50	
	50	LOW	Q16	20.89	20.90	20.97	21.50	
		MID	Q16	20.93	20.97	20.92	21.50	
		HIGH	Q16	21.00	21.04	20.92	21.50	
	100	LOW	Q16	20.93	20.98	20.97	21.50	
	20	1	LOW	64QAM	21.39	21.24	21.27	21.50
			MID	64QAM	21.36	21.40	21.44	21.50
HIGH			64QAM	21.29	21.45	21.47	21.50	
50		LOW	64QAM	20.04	20.02	20.09	20.50	
		MID	64QAM	19.99	20.11	20.01	20.50	
		HIGH	64QAM	19.94	19.91	19.92	20.50	
100	LOW	64QAM	19.98	20.09	20.12	20.50		

LTE B4-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)	
1.4	1	LOW	QPSK	19.92	19.99	19.86	21.00	
		MID	QPSK	19.86	19.81	20.00	21.00	
		HIGH	QPSK	20.14	19.86	19.95	21.00	
	3	LOW	QPSK	19.94	19.80	19.87	21.00	
		MID	QPSK	20.03	19.80	19.82	21.00	
		HIGH	QPSK	19.84	20.14	19.97	21.00	
	6	LOW	QPSK	20.03	19.84	20.05	21.00	
	1.4	1	LOW	Q16	20.23	20.40	20.25	21.00
			MID	Q16	20.17	20.37	20.23	21.00
HIGH			Q16	20.31	20.47	20.51	21.00	
3		LOW	Q16	19.94	19.97	20.01	21.00	
		MID	Q16	19.95	19.81	19.92	21.00	
		HIGH	Q16	19.91	20.20	19.84	21.00	
6		LOW	Q16	19.82	19.95	19.92	21.00	
1.4		1	LOW	64QAM	20.15	20.25	20.10	21.00
			MID	64QAM	20.03	20.28	20.25	21.00
	HIGH		64QAM	20.44	20.54	20.56	21.00	
	3	LOW	64QAM	19.97	20.05	20.07	21.00	
		MID	64QAM	19.84	19.89	20.04	21.00	
		HIGH	64QAM	19.97	20.15	19.96	21.00	
	6	LOW	64QAM	19.28	19.39	19.31	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
	3	1	LOW	QPSK	19.73	19.85	20.02	21.00
MID			QPSK	19.83	19.90	19.83	21.00	
HIGH			QPSK	20.02	19.88	19.86	21.00	
8		LOW	QPSK	19.86	19.92	20.10	21.00	
		MID	QPSK	20.00	20.00	19.82	21.00	
		HIGH	QPSK	19.95	19.87	19.92	21.00	
15		LOW	QPSK	19.78	20.11	19.98	21.00	
3		1	LOW	Q16	20.16	20.59	20.36	21.00
			MID	Q16	20.25	20.56	20.19	21.00
	HIGH		Q16	20.34	20.67	20.49	21.00	
	8	LOW	Q16	19.84	20.00	19.85	21.00	
		MID	Q16	19.86	19.87	19.98	21.00	
		HIGH	Q16	20.05	19.94	20.12	21.00	
	15	LOW	Q16	19.99	19.91	19.96	21.00	
	3	1	LOW	64QAM	20.17	20.37	20.29	21.00
			MID	64QAM	20.12	20.19	20.51	21.00
HIGH			64QAM	20.65	20.53	20.53	21.00	
8		LOW	64QAM	19.17	19.61	19.47	20.50	
		MID	64QAM	19.26	19.29	19.72	20.50	
		HIGH	64QAM	19.47	19.54	19.50	20.50	
15		LOW	64QAM	19.51	19.37	19.52	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5		1	LOW	QPSK	19.75	19.93	19.84	21.00
	MID		QPSK	19.76	20.01	19.84	21.00	
	HIGH		QPSK	20.09	20.12	19.96	21.00	
	12	LOW	QPSK	19.74	20.01	20.05	21.00	
		MID	QPSK	19.98	19.95	19.82	21.00	
		HIGH	QPSK	20.11	19.93	20.03	21.00	
	25	LOW	QPSK	19.80	19.89	20.09	21.00	
	5	1	LOW	Q16	20.22	20.53	20.34	21.00
			MID	Q16	20.26	20.32	20.26	21.00
HIGH			Q16	20.34	20.64	20.24	21.00	
12		LOW	Q16	19.97	19.96	20.01	21.00	
		MID	Q16	19.99	19.92	19.96	21.00	
		HIGH	Q16	19.88	19.95	19.85	21.00	
25		LOW	Q16	19.95	19.96	19.82	21.00	
5		1	LOW	64QAM	20.43	20.50	20.44	21.00
			MID	64QAM	20.17	20.27	20.29	21.00
	HIGH		64QAM	20.57	20.60	20.48	21.00	
	12	LOW	64QAM	19.39	19.55	19.40	20.50	
		MID	64QAM	19.51	19.47	19.54	20.50	
		HIGH	64QAM	19.56	19.52	19.25	20.50	
	25	LOW	64QAM	19.51	19.34	19.46	20.50	

LTE B4-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	19.84	19.88	19.83	21.00	
		MID	QPSK	19.77	19.92	19.98	21.00	
		HIGH	QPSK	19.91	20.02	20.07	21.00	
	25	LOW	QPSK	19.83	19.76	20.09	21.00	
		MID	QPSK	19.93	20.04	19.94	21.00	
		HIGH	QPSK	19.89	19.99	19.90	21.00	
	50	LOW	QPSK	19.84	20.00	20.02	21.00	
	10	1	LOW	Q16	20.25	20.55	20.19	21.00
			MID	Q16	20.32	20.60	20.26	21.00
HIGH			Q16	20.46	20.49	20.24	21.00	
25		LOW	Q16	19.82	19.90	20.08	21.00	
		MID	Q16	19.82	19.87	20.10	21.00	
		HIGH	Q16	20.03	20.11	19.97	21.00	
50		LOW	Q16	19.75	19.99	20.08	21.00	
10		1	LOW	64QAM	20.17	20.51	20.17	21.00
			MID	64QAM	20.22	20.56	20.27	21.00
	HIGH		64QAM	20.45	20.39	20.51	21.00	
	25	LOW	64QAM	19.48	19.49	19.49	20.50	
		MID	64QAM	19.51	19.45	19.38	20.50	
		HIGH	64QAM	19.33	19.68	19.44	20.50	
	50	LOW	64QAM	19.18	19.38	19.47	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	19.68	19.84	20.06	21.00
MID			QPSK	19.65	19.97	19.88	21.00	
HIGH			QPSK	19.95	19.95	20.12	21.00	
36		LOW	QPSK	19.93	19.91	19.91	21.00	
		MID	QPSK	19.97	20.02	19.94	21.00	
		HIGH	QPSK	19.89	19.87	19.97	21.00	
75	LOW	QPSK	19.96	20.09	19.83	21.00		
15	1	LOW	Q16	20.27	20.56	20.42	21.00	
		MID	Q16	20.10	20.36	20.32	21.00	
		HIGH	Q16	20.55	20.68	20.46	21.00	
	36	LOW	Q16	19.70	19.86	20.15	21.00	
		MID	Q16	19.92	20.09	19.89	21.00	
		HIGH	Q16	19.83	20.01	20.10	21.00	
75	LOW	Q16	20.00	20.13	19.87	21.00		
15	1	LOW	64QAM	19.99	20.58	20.32	21.00	
		MID	64QAM	20.18	20.35	20.33	21.00	
		HIGH	64QAM	20.36	20.43	20.49	21.00	
	36	LOW	64QAM	19.54	19.62	19.46	20.50	
		MID	64QAM	19.37	19.39	19.24	20.50	
		HIGH	64QAM	19.34	19.56	19.28	20.50	
75	LOW	64QAM	19.18	19.36	19.64	20.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)	
20	1	LOW	QPSK	19.77	19.87	19.95	21.00	
		MID	QPSK	19.77	19.92	19.93	21.00	
		HIGH	QPSK	19.99	20.00	19.98	21.00	
	50	LOW	QPSK	19.89	19.90	19.98	21.00	
		MID	QPSK	19.89	19.94	19.95	21.00	
		HIGH	QPSK	19.97	20.02	19.96	21.00	
100	LOW	QPSK	19.91	19.98	19.96	21.00		
20	1	LOW	Q16	20.21	20.53	20.29	21.00	
		MID	Q16	20.22	20.45	20.27	21.00	
		HIGH	Q16	20.41	20.59	20.36	21.00	
	50	LOW	Q16	19.82	19.91	20.00	21.00	
		MID	Q16	19.86	19.96	19.99	21.00	
		HIGH	Q16	19.90	20.06	19.98	21.00	
100	LOW	Q16	19.90	19.99	19.97	21.00		
20	1	LOW	64QAM	20.12	20.52	20.28	21.00	
		MID	64QAM	20.21	20.41	20.28	21.00	
		HIGH	64QAM	20.37	20.44	20.42	21.00	
	50	LOW	64QAM	19.44	19.54	19.38	20.50	
		MID	64QAM	19.49	19.39	19.35	20.50	
		HIGH	64QAM	19.38	19.70	19.39	20.50	
100	LOW	64QAM	19.27	19.38	19.55	20.50		

LTE B4-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)	
1.4	1	LOW	QPSK	15.61	15.83	16.01	17.00	
		MID	QPSK	15.81	15.98	15.73	17.00	
		HIGH	QPSK	15.81	15.98	15.94	17.00	
	3	LOW	QPSK	15.73	15.66	15.96	17.00	
		MID	QPSK	15.93	15.95	16.00	17.00	
		HIGH	QPSK	15.91	15.89	15.90	17.00	
	6	LOW	QPSK	16.01	15.86	15.85	17.00	
	1.4	1	LOW	Q16	16.28	16.26	16.26	17.00
			MID	Q16	16.17	16.24	16.25	17.00
HIGH			Q16	16.16	16.56	16.41	17.00	
3		LOW	Q16	15.65	15.79	15.95	17.00	
		MID	Q16	15.64	15.95	15.95	17.00	
		HIGH	Q16	15.89	15.92	15.88	17.00	
6		LOW	Q16	15.83	15.76	15.90	17.00	
1.4		1	LOW	64QAM	16.16	16.30	16.21	17.00
			MID	64QAM	16.11	16.30	16.39	17.00
	HIGH		64QAM	16.30	16.68	16.34	17.00	
	3	LOW	64QAM	15.50	15.81	16.02	17.00	
		MID	64QAM	15.56	16.01	15.89	17.00	
		HIGH	64QAM	15.95	16.00	15.74	17.00	
	6	LOW	64QAM	15.97	15.86	15.84	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
	3	1	LOW	QPSK	15.61	15.67	15.83	17.00
MID			QPSK	15.72	15.70	15.96	17.00	
HIGH			QPSK	15.74	15.85	15.87	17.00	
8		LOW	QPSK	15.91	15.95	15.93	17.00	
		MID	QPSK	15.80	15.94	15.72	17.00	
		HIGH	QPSK	15.82	15.83	15.78	17.00	
15		LOW	QPSK	15.94	16.00	15.75	17.00	
3		1	LOW	Q16	16.20	16.46	16.36	17.00
			MID	Q16	16.24	16.28	16.31	17.00
	HIGH		Q16	16.29	16.56	16.31	17.00	
	8	LOW	Q16	15.72	15.79	15.84	17.00	
		MID	Q16	15.60	16.00	15.96	17.00	
		HIGH	Q16	15.77	15.98	15.89	17.00	
	15	LOW	Q16	15.92	15.88	16.01	17.00	
	3	1	LOW	64QAM	16.26	16.46	16.51	17.00
			MID	64QAM	16.05	16.45	16.28	17.00
HIGH			64QAM	16.10	16.83	16.45	17.00	
8		LOW	64QAM	15.71	15.84	16.03	17.00	
		MID	64QAM	15.89	15.97	15.92	17.00	
		HIGH	64QAM	16.02	16.20	15.87	17.00	
15		LOW	64QAM	15.65	16.04	15.73	17.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5		1	LOW	QPSK	15.79	15.65	15.76	17.00
	MID		QPSK	15.59	15.93	15.73	17.00	
	HIGH		QPSK	15.72	15.79	15.99	17.00	
	12	LOW	QPSK	15.91	15.65	15.92	17.00	
		MID	QPSK	15.91	15.78	15.96	17.00	
		HIGH	QPSK	16.01	16.02	15.77	17.00	
	25	LOW	QPSK	15.86	15.76	15.89	17.00	
	5	1	LOW	Q16	16.14	16.33	16.27	17.00
			MID	Q16	16.16	16.41	16.33	17.00
HIGH			Q16	16.29	16.62	16.25	17.00	
12		LOW	Q16	15.77	15.92	15.99	17.00	
		MID	Q16	15.85	15.80	15.83	17.00	
		HIGH	Q16	15.85	16.07	15.90	17.00	
25		LOW	Q16	15.77	15.76	15.98	17.00	
5		1	LOW	64QAM	16.30	16.33	16.39	17.00
			MID	64QAM	16.30	16.44	16.14	17.00
	HIGH		64QAM	16.27	16.74	16.28	17.00	
	12	LOW	64QAM	15.50	15.70	15.91	17.00	
		MID	64QAM	15.90	16.03	16.06	17.00	
		HIGH	64QAM	15.78	16.12	15.80	17.00	
	25	LOW	64QAM	15.84	15.94	15.63	17.00	

LTE B4-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	15.73	15.81	16.01	17.00	
		MID	QPSK	15.74	15.89	15.76	17.00	
		HIGH	QPSK	15.76	16.00	16.12	17.00	
	25	LOW	QPSK	15.79	15.83	16.02	17.00	
		MID	QPSK	15.95	15.85	15.88	17.00	
		HIGH	QPSK	15.93	16.03	15.87	17.00	
	50	LOW	QPSK	15.97	15.82	16.03	17.00	
	10	1	LOW	Q16	16.06	16.41	16.36	17.00
			MID	Q16	16.33	16.45	16.32	17.00
HIGH			Q16	16.33	16.50	16.28	17.00	
25		LOW	Q16	15.70	15.96	15.87	17.00	
		MID	Q16	15.61	15.78	15.84	17.00	
		HIGH	Q16	15.80	16.00	15.93	17.00	
50		LOW	Q16	15.72	15.95	16.05	17.00	
10		1	LOW	64QAM	16.32	16.20	16.39	17.00
			MID	64QAM	16.26	16.30	16.29	17.00
	HIGH		64QAM	16.37	16.72	16.28	17.00	
	25	LOW	64QAM	15.60	15.87	16.13	17.00	
		MID	64QAM	15.96	16.06	15.94	17.00	
		HIGH	64QAM	15.86	16.09	15.77	17.00	
	50	LOW	64QAM	15.79	15.86	15.81	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	15.75	15.80	15.79	17.00
MID			QPSK	15.85	15.83	15.93	17.00	
HIGH			QPSK	15.95	15.91	15.82	17.00	
36		LOW	QPSK	15.69	15.94	15.95	17.00	
		MID	QPSK	15.85	15.74	15.76	17.00	
		HIGH	QPSK	15.88	15.83	15.99	17.00	
75		LOW	QPSK	15.93	15.71	16.00	17.00	
15		1	LOW	Q16	16.21	16.30	16.13	17.00
			MID	Q16	16.35	16.46	16.36	17.00
	HIGH		Q16	16.45	16.58	16.34	17.00	
	36	LOW	Q16	15.83	15.90	15.96	17.00	
		MID	Q16	15.65	15.90	15.77	17.00	
		HIGH	Q16	15.87	15.94	15.77	17.00	
	75	LOW	Q16	15.95	15.80	15.87	17.00	
	15	1	LOW	64QAM	16.42	16.20	16.44	17.00
			MID	64QAM	16.29	16.25	16.06	17.00
HIGH			64QAM	16.23	16.72	16.43	17.00	
36		LOW	64QAM	15.52	15.74	16.10	17.00	
		MID	64QAM	15.95	15.87	15.89	17.00	
		HIGH	64QAM	15.77	16.00	15.89	17.00	
75		LOW	64QAM	15.89	15.90	15.65	17.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)
20		1	LOW	QPSK	15.74	15.80	15.88	17.00
	MID		QPSK	15.72	15.84	15.88	17.00	
	HIGH		QPSK	15.87	15.98	15.97	17.00	
	50	LOW	QPSK	15.81	15.80	15.92	17.00	
		MID	QPSK	15.82	15.82	15.87	17.00	
		HIGH	QPSK	15.87	15.95	15.85	17.00	
	100	LOW	QPSK	15.86	15.89	15.88	17.00	
	20	1	LOW	Q16	16.14	16.41	16.21	17.00
			MID	Q16	16.20	16.36	16.21	17.00
HIGH			Q16	16.30	16.57	16.36	17.00	
50		LOW	Q16	15.75	15.81	15.96	17.00	
		MID	Q16	15.74	15.87	15.90	17.00	
		HIGH	Q16	15.83	15.95	15.88	17.00	
100		LOW	Q16	15.85	15.91	15.91	17.00	
20		1	LOW	64QAM	16.29	16.34	16.36	17.00
			MID	64QAM	16.20	16.39	16.14	17.00
	HIGH		64QAM	16.24	16.71	16.34	17.00	
	50	LOW	64QAM	15.65	15.79	16.02	17.00	
		MID	64QAM	15.84	16.01	15.99	17.00	
		HIGH	64QAM	15.89	16.05	15.74	17.00	
	100	LOW	64QAM	15.80	16.00	15.78	17.00	

8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.81	20.87	20.77	22.50	
		MID	QPSK	20.83	20.73	20.83	22.50	
		HIGH	QPSK	20.87	21.00	20.88	22.50	
	3	LOW	QPSK	21.19	21.24	21.58	22.50	
		MID	QPSK	21.13	21.39	21.46	22.50	
		HIGH	QPSK	21.32	21.69	21.40	22.50	
	6	LOW	QPSK	20.20	20.41	20.36	21.50	
	1.4	1	LOW	Q16	20.77	20.80	20.87	21.50
			MID	Q16	20.95	20.67	20.93	21.50
HIGH			Q16	21.09	20.72	20.84	21.50	
3		LOW	Q16	20.24	20.23	20.33	21.50	
		MID	Q16	20.42	20.43	20.37	21.50	
		HIGH	Q16	20.42	20.60	20.26	21.50	
6		LOW	Q16	19.45	19.45	19.46	20.50	
1.4		1	LOW	64QAM	19.89	19.77	19.73	20.50
			MID	64QAM	19.87	19.55	19.94	20.50
	HIGH		64QAM	20.19	19.71	19.70	20.50	
	3	LOW	64QAM	19.12	19.38	19.19	20.50	
		MID	64QAM	19.40	19.31	19.46	20.50	
		HIGH	64QAM	19.52	19.60	19.30	20.50	
	6	LOW	64QAM	18.33	18.39	18.58	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	20.82	20.93	20.75	22.50
MID			QPSK	20.81	20.76	20.97	22.50	
HIGH			QPSK	20.96	20.80	20.86	22.50	
8		LOW	QPSK	20.18	20.24	20.53	21.50	
		MID	QPSK	20.20	20.34	20.30	21.50	
		HIGH	QPSK	20.45	20.39	20.40	21.50	
15	LOW	QPSK	20.37	20.33	20.31	21.50		
3	1	LOW	Q16	20.80	20.67	20.85	21.50	
		MID	Q16	20.84	20.89	20.71	21.50	
		HIGH	Q16	21.04	20.83	20.97	21.50	
	8	LOW	Q16	19.27	19.38	19.35	20.50	
		MID	Q16	19.43	19.37	19.45	20.50	
		HIGH	Q16	19.31	19.55	19.42	20.50	
	15	LOW	Q16	19.50	19.40	19.54	20.50	
	3	1	LOW	64QAM	19.95	20.03	19.77	20.50
			MID	64QAM	20.05	19.84	19.89	20.50
HIGH			64QAM	20.34	19.77	19.72	20.50	
8		LOW	64QAM	18.50	18.41	18.56	19.50	
		MID	64QAM	18.42	18.32	18.51	19.50	
		HIGH	64QAM	18.38	18.68	18.46	19.50	
15		LOW	64QAM	18.24	18.44	18.35	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	20.61	20.89	20.92	22.50
	MID		QPSK	20.74	20.79	21.04	22.50	
	HIGH		QPSK	20.96	20.92	21.05	22.50	
	12	LOW	QPSK	20.14	20.39	20.49	21.50	
		MID	QPSK	20.14	20.26	20.49	21.50	
		HIGH	QPSK	20.33	20.64	20.40	21.50	
25	LOW	QPSK	20.31	20.36	20.41	21.50		
5	1	LOW	Q16	20.78	20.88	20.78	21.50	
		MID	Q16	20.75	20.88	20.74	21.50	
		HIGH	Q16	20.97	20.92	20.89	21.50	
	12	LOW	Q16	19.31	19.38	19.50	20.50	
		MID	Q16	19.30	19.36	19.38	20.50	
		HIGH	Q16	19.41	19.49	19.44	20.50	
	25	LOW	Q16	19.49	19.26	19.44	20.50	
	5	1	LOW	64QAM	19.95	20.03	19.83	20.50
			MID	64QAM	20.03	19.89	20.03	20.50
HIGH			64QAM	20.07	19.70	19.89	20.50	
12		LOW	64QAM	18.47	18.41	18.41	19.50	
		MID	64QAM	18.40	18.43	18.39	19.50	
		HIGH	64QAM	18.40	18.52	18.45	19.50	
25		LOW	64QAM	18.32	18.39	18.28	19.50	

LTE B4-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	20.82	20.82	20.97	22.50	
		MID	QPSK	20.76	20.88	20.87	22.50	
		HIGH	QPSK	21.06	20.82	20.98	22.50	
	25	LOW	QPSK	20.15	20.45	20.33	21.50	
		MID	QPSK	20.33	20.51	20.52	21.50	
		HIGH	QPSK	20.38	20.42	20.55	21.50	
50	LOW	QPSK	20.43	20.32	20.57	21.50		
10	1	LOW	Q16	20.71	20.76	20.87	21.50	
		MID	Q16	20.96	20.81	20.76	21.50	
		HIGH	Q16	21.16	20.70	20.95	21.50	
	25	LOW	Q16	19.35	19.40	19.55	20.50	
		MID	Q16	19.22	19.47	19.53	20.50	
		HIGH	Q16	19.38	19.39	19.51	20.50	
	50	LOW	Q16	19.29	19.46	19.38	20.50	
	10	1	LOW	64QAM	19.52	19.80	19.80	20.50
			MID	64QAM	20.10	19.56	19.65	20.50
HIGH			64QAM	20.18	19.67	19.99	20.50	
25		LOW	64QAM	18.63	18.29	18.51	19.50	
		MID	64QAM	18.44	18.53	18.42	19.50	
		HIGH	64QAM	18.59	18.43	18.35	19.50	
50		LOW	64QAM	18.18	18.39	18.51	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15		1	LOW	QPSK	20.79	20.76	20.75	22.50
	MID		QPSK	20.90	20.84	20.93	22.50	
	HIGH		QPSK	20.94	20.90	21.01	22.50	
	36	LOW	QPSK	20.36	20.47	20.54	21.50	
		MID	QPSK	20.26	20.30	20.32	21.50	
		HIGH	QPSK	20.24	20.67	20.35	21.50	
75	LOW	QPSK	20.45	20.41	20.57	21.50		
15	1	LOW	Q16	20.87	20.82	20.70	21.50	
		MID	Q16	20.92	20.67	20.94	21.50	
		HIGH	Q16	21.20	20.89	20.97	21.50	
	36	LOW	Q16	19.47	19.29	19.42	20.50	
		MID	Q16	19.24	19.32	19.42	20.50	
		HIGH	Q16	19.46	19.44	19.31	20.50	
	75	LOW	Q16	19.26	19.53	19.42	20.50	
	15	1	LOW	64QAM	19.65	19.83	19.59	20.50
			MID	64QAM	20.08	19.61	19.64	20.50
HIGH			64QAM	20.31	19.73	19.95	20.50	
36		LOW	64QAM	18.49	18.35	18.61	19.50	
		MID	64QAM	18.22	18.26	18.46	19.50	
		HIGH	64QAM	18.61	18.59	18.20	19.50	
75		LOW	64QAM	18.35	18.26	18.29	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	20.70	20.78	20.90	22.50
	MID		QPSK	20.75	20.85	20.89	22.50	
	HIGH		QPSK	20.92	20.95	20.93	22.50	
	50	LOW	QPSK	20.27	20.33	20.47	21.50	
		MID	QPSK	20.24	20.41	20.45	21.50	
		HIGH	QPSK	20.35	20.54	20.43	21.50	
100	LOW	QPSK	20.33	20.45	20.45	21.50		
20	1	LOW	Q16	20.77	20.77	20.85	21.50	
		MID	Q16	20.89	20.77	20.85	21.50	
		HIGH	Q16	21.10	20.84	20.90	21.50	
	50	LOW	Q16	19.35	19.37	19.41	20.50	
		MID	Q16	19.36	19.41	19.40	20.50	
		HIGH	Q16	19.45	19.52	19.39	20.50	
	100	LOW	Q16	19.36	19.41	19.43	20.50	
	20	1	LOW	64QAM	19.63	19.72	19.73	20.50
			MID	64QAM	20.01	19.70	19.77	20.50
HIGH			64QAM	20.24	19.82	19.90	20.50	
50		LOW	64QAM	18.50	18.30	18.52	19.50	
		MID	64QAM	18.29	18.40	18.41	19.50	
		HIGH	64QAM	18.54	18.53	18.28	19.50	
100		LOW	64QAM	18.30	18.35	18.42	19.50	

LTE B4-State1&3 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)
1.4	1	LOW	QPSK	20.60	20.80	20.97	22.50
		MID	QPSK	20.82	20.98	20.89	22.50
		HIGH	QPSK	21.07	21.06	20.85	22.50
	3	LOW	QPSK	21.39	21.30	21.57	22.50
		MID	QPSK	21.13	21.32	21.35	22.50
		HIGH	QPSK	21.32	21.59	21.54	22.50
6	LOW	QPSK	20.41	20.52	20.59	21.50	
1.4	1	LOW	Q16	20.76	20.73	20.87	21.50
		MID	Q16	20.85	20.75	20.71	21.50
		HIGH	Q16	21.02	20.72	20.89	21.50
	3	LOW	Q16	20.29	20.38	20.56	21.50
		MID	Q16	20.21	20.35	20.31	21.50
		HIGH	Q16	20.45	20.54	20.30	21.50
6	LOW	Q16	19.40	19.36	19.54	20.50	
1.4	1	LOW	64QAM	19.69	19.87	19.97	20.50
		MID	64QAM	19.95	19.62	19.63	20.50
		HIGH	64QAM	20.08	19.74	19.92	20.50
	3	LOW	64QAM	19.40	19.52	19.59	20.50
		MID	64QAM	19.20	19.35	19.41	20.50
		HIGH	64QAM	19.32	19.56	19.28	20.50
6	LOW	64QAM	18.52	18.32	18.59	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
3	1	LOW	QPSK	20.85	20.83	20.95	22.50
		MID	QPSK	20.85	20.75	20.86	22.50
		HIGH	QPSK	20.97	21.02	20.83	22.50
	8	LOW	QPSK	20.31	20.44	20.61	21.50
		MID	QPSK	20.10	20.53	20.47	21.50
		HIGH	QPSK	20.33	20.69	20.44	21.50
15	LOW	QPSK	20.36	20.33	20.55	21.50	
3	1	LOW	Q16	20.83	20.63	20.76	21.50
		MID	Q16	20.74	20.80	20.81	21.50
		HIGH	Q16	21.18	20.77	20.90	21.50
	8	LOW	Q16	19.49	19.32	19.38	20.50
		MID	Q16	19.30	19.33	19.40	20.50
		HIGH	Q16	19.46	19.57	19.27	20.50
15	LOW	Q16	19.44	19.36	19.58	20.50	
3	1	LOW	64QAM	20.02	19.63	19.97	20.50
		MID	64QAM	19.78	19.96	19.95	20.50
		HIGH	64QAM	19.96	19.75	19.66	20.50
	8	LOW	64QAM	18.44	18.39	18.37	19.50
		MID	64QAM	18.30	18.43	18.60	19.50
		HIGH	64QAM	18.46	18.50	18.55	19.50
15	LOW	64QAM	18.25	18.38	18.42	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5	1	LOW	QPSK	20.63	20.75	20.75	22.50
		MID	QPSK	20.67	20.72	20.76	22.50
		HIGH	QPSK	20.84	20.90	20.88	22.50
	12	LOW	QPSK	20.39	20.20	20.34	21.50
		MID	QPSK	20.26	20.34	20.56	21.50
		HIGH	QPSK	20.20	20.46	20.50	21.50
25	LOW	QPSK	20.42	20.35	20.46	21.50	
5	1	LOW	Q16	20.84	20.72	20.74	21.50
		MID	Q16	20.99	20.72	20.79	21.50
		HIGH	Q16	21.03	20.82	20.89	21.50
	12	LOW	Q16	19.39	19.29	19.53	20.50
		MID	Q16	19.21	19.41	19.26	20.50
		HIGH	Q16	19.33	19.60	19.44	20.50
25	LOW	Q16	19.21	19.40	19.53	20.50	
5	1	LOW	64QAM	19.97	19.65	20.14	20.50
		MID	64QAM	19.81	19.68	19.94	20.50
		HIGH	64QAM	20.02	19.83	19.84	20.50
	12	LOW	64QAM	18.55	18.25	18.27	19.50
		MID	64QAM	18.44	18.36	18.36	19.50
		HIGH	64QAM	18.48	18.36	18.57	19.50
25	LOW	64QAM	18.34	18.48	18.39	19.50	

LTE B4-State1 &3-Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	20.58	20.82	21.01	22.50	
		MID	QPSK	20.79	20.96	20.95	22.50	
		HIGH	QPSK	20.82	20.85	21.11	22.50	
	25	LOW	QPSK	20.37	20.46	20.36	21.50	
		MID	QPSK	20.14	20.36	20.56	21.50	
		HIGH	QPSK	20.25	20.63	20.37	21.50	
	50	LOW	QPSK	20.48	20.59	20.34	21.50	
	10	1	LOW	Q16	20.74	20.69	20.74	21.50
			MID	Q16	20.95	20.71	20.92	21.50
HIGH			Q16	20.95	20.81	20.82	21.50	
25		LOW	Q16	19.25	19.51	19.46	20.50	
		MID	Q16	19.23	19.42	19.45	20.50	
		HIGH	Q16	19.52	19.63	19.36	20.50	
50		LOW	Q16	19.24	19.48	19.54	20.50	
10		1	LOW	64QAM	20.00	19.60	20.06	20.50
			MID	64QAM	19.72	19.81	19.90	20.50
	HIGH		64QAM	20.09	19.71	19.80	20.50	
	25	LOW	64QAM	18.42	18.31	18.27	19.50	
		MID	64QAM	18.32	18.21	18.37	19.50	
		HIGH	64QAM	18.47	18.41	18.52	19.50	
	50	LOW	64QAM	18.42	18.56	18.62	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	20.68	20.70	20.77	22.50
MID			QPSK	20.81	20.86	20.77	22.50	
HIGH			QPSK	20.90	20.83	20.83	22.50	
36		LOW	QPSK	20.16	20.37	20.60	21.50	
		MID	QPSK	20.18	20.55	20.50	21.50	
		HIGH	QPSK	20.36	20.40	20.39	21.50	
75		LOW	QPSK	20.29	20.40	20.30	21.50	
15		1	LOW	Q16	20.76	20.72	20.84	21.50
			MID	Q16	20.82	20.84	20.82	21.50
	HIGH		Q16	21.22	20.78	20.81	21.50	
	36	LOW	Q16	19.29	19.28	19.30	20.50	
		MID	Q16	19.46	19.34	19.33	20.50	
		HIGH	Q16	19.54	19.61	19.32	20.50	
	75	LOW	Q16	19.50	19.51	19.55	20.50	
	15	1	LOW	64QAM	19.89	19.68	20.03	20.50
			MID	64QAM	19.84	19.85	19.94	20.50
HIGH			64QAM	20.08	19.77	19.89	20.50	
36		LOW	64QAM	18.52	18.20	18.46	19.50	
		MID	64QAM	18.48	18.43	18.35	19.50	
		HIGH	64QAM	18.27	18.43	18.45	19.50	
75		LOW	64QAM	18.39	18.28	18.49	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)
20		1	LOW	QPSK	20.70	20.78	20.90	22.50
	MID		QPSK	20.75	20.85	20.89	22.50	
	HIGH		QPSK	20.92	20.95	20.93	22.50	
	50	LOW	QPSK	20.27	20.33	20.47	21.50	
		MID	QPSK	20.24	20.41	20.45	21.50	
		HIGH	QPSK	20.35	20.54	20.43	21.50	
	100	LOW	QPSK	20.33	20.45	20.45	21.50	
	20	1	LOW	Q16	20.77	20.77	20.85	21.50
			MID	Q16	20.89	20.77	20.85	21.50
HIGH			Q16	21.10	20.84	20.90	21.50	
50		LOW	Q16	19.35	19.37	19.41	20.50	
		MID	Q16	19.36	19.41	19.40	20.50	
		HIGH	Q16	19.45	19.52	19.39	20.50	
100		LOW	Q16	19.36	19.41	19.43	20.50	
20		1	LOW	64QAM	19.87	19.72	19.99	20.50
			MID	64QAM	19.77	19.82	19.84	20.50
	HIGH		64QAM	20.01	19.74	19.81	20.50	
	50	LOW	64QAM	18.50	18.29	18.38	19.50	
		MID	64QAM	18.39	18.29	18.50	19.50	
		HIGH	64QAM	18.40	18.47	18.42	19.50	
	100	LOW	64QAM	18.29	18.43	18.48	19.50	

LTE B4-State2&4 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dB m)	
1.4	1	LOW	QPSK	20.79	20.78	21.05	22.50	
		MID	QPSK	20.86	20.80	20.77	22.50	
		HIGH	QPSK	21.06	20.94	20.83	22.50	
	3	LOW	QPSK	21.39	21.24	21.37	22.50	
		MID	QPSK	21.19	21.37	21.34	22.50	
		HIGH	QPSK	21.43	21.63	21.51	22.50	
	6	LOW	QPSK	20.48	20.43	20.50	21.50	
	1.4	1	LOW	Q16	20.78	20.73	20.75	21.50
			MID	Q16	20.80	20.68	20.89	21.50
HIGH			Q16	21.22	20.77	20.93	21.50	
3		LOW	Q16	20.45	20.29	20.28	21.50	
		MID	Q16	20.30	20.52	20.42	21.50	
		HIGH	Q16	20.46	20.49	20.40	21.50	
6		LOW	Q16	19.36	19.28	19.39	20.50	
1.4		1	LOW	64QAM	19.75	19.88	19.83	20.50
			MID	64QAM	19.86	19.53	19.82	20.50
	HIGH		64QAM	20.17	19.74	19.99	20.50	
	3	LOW	64QAM	19.38	19.16	19.28	20.50	
		MID	64QAM	19.29	19.57	19.38	20.50	
		HIGH	64QAM	19.32	19.43	19.39	20.50	
	6	LOW	64QAM	18.39	18.41	18.27	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dB m)
	3	1	LOW	QPSK	20.55	20.80	20.83	22.50
MID			QPSK	20.63	20.74	20.78	22.50	
HIGH			QPSK	20.82	21.06	20.84	22.50	
8		LOW	QPSK	20.16	20.22	20.44	21.50	
		MID	QPSK	20.10	20.42	20.52	21.50	
		HIGH	QPSK	20.24	20.65	20.28	21.50	
15	LOW	QPSK	20.45	20.60	20.58	21.50		
3	1	LOW	Q16	20.72	20.81	20.80	21.50	
		MID	Q16	20.90	20.79	20.77	21.50	
		HIGH	Q16	20.96	20.75	21.04	21.50	
	8	LOW	Q16	19.41	19.35	19.38	20.50	
		MID	Q16	19.24	19.39	19.28	20.50	
		HIGH	Q16	19.59	19.52	19.37	20.50	
	15	LOW	Q16	19.46	19.56	19.44	20.50	
	3	1	LOW	64QAM	19.52	19.60	20.11	20.50
			MID	64QAM	20.13	19.97	19.98	20.50
HIGH			64QAM	20.32	19.84	19.90	20.50	
8		LOW	64QAM	18.33	18.29	18.19	19.50	
		MID	64QAM	18.34	18.54	18.19	19.50	
		HIGH	64QAM	18.46	18.64	18.41	19.50	
15		LOW	64QAM	18.37	18.66	18.68	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dB m)
5		1	LOW	QPSK	20.79	20.82	20.81	22.50
	MID		QPSK	20.79	20.79	20.99	22.50	
	HIGH		QPSK	20.81	20.82	21.07	22.50	
	12	LOW	QPSK	20.34	20.40	20.53	21.50	
		MID	QPSK	20.14	20.27	20.31	21.50	
		HIGH	QPSK	20.23	20.59	20.47	21.50	
25	LOW	QPSK	20.40	20.54	20.45	21.50		
5	1	LOW	Q16	20.68	20.68	21.00	21.50	
		MID	Q16	20.75	20.82	20.86	21.50	
		HIGH	Q16	21.12	20.93	21.01	21.50	
	12	LOW	Q16	19.31	19.28	19.43	20.50	
		MID	Q16	19.26	19.51	19.34	20.50	
		HIGH	Q16	19.40	19.44	19.47	20.50	
	25	LOW	Q16	19.51	19.52	19.58	20.50	
	5	1	LOW	64QAM	19.74	19.65	19.96	20.50
			MID	64QAM	20.08	19.76	19.98	20.50
HIGH			64QAM	20.37	19.80	19.93	20.50	
12		LOW	64QAM	18.31	18.40	18.27	19.50	
		MID	64QAM	18.27	18.41	18.33	19.50	
		HIGH	64QAM	18.62	18.45	18.39	19.50	
25		LOW	64QAM	18.25	18.59	18.68	19.50	

LTE B4-State2&4 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dB m)	
10	1	LOW	QPSK	20.81	20.76	20.99	22.50	
		MID	QPSK	20.75	21.00	20.85	22.50	
		HIGH	QPSK	20.97	20.94	20.89	22.50	
	25	LOW	QPSK	20.40	20.19	20.60	21.50	
		MID	QPSK	20.23	20.29	20.58	21.50	
		HIGH	QPSK	20.27	20.57	20.34	21.50	
	50	LOW	QPSK	20.46	20.53	20.35	21.50	
	10	1	LOW	Q16	20.69	20.89	20.78	21.50
			MID	Q16	21.03	20.82	20.76	21.50
HIGH			Q16	21.13	20.92	20.91	21.50	
25		LOW	Q16	19.31	19.52	19.47	20.50	
		MID	Q16	19.26	19.38	19.33	20.50	
		HIGH	Q16	19.48	19.51	19.51	20.50	
50		LOW	Q16	19.21	19.37	19.45	20.50	
10		1	LOW	64QAM	19.71	19.73	19.81	20.50
			MID	64QAM	20.03	19.72	19.70	20.50
	HIGH		64QAM	20.07	19.79	20.00	20.50	
	25	LOW	64QAM	18.24	18.47	18.49	19.50	
		MID	64QAM	18.21	18.42	18.34	19.50	
		HIGH	64QAM	18.47	18.64	18.39	19.50	
	50	LOW	64QAM	18.35	18.65	18.42	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dB m)
	15	1	LOW	QPSK	20.69	20.81	20.94	22.50
MID			QPSK	20.78	20.92	20.74	22.50	
HIGH			QPSK	21.03	20.94	20.85	22.50	
36		LOW	QPSK	20.41	20.31	20.56	21.50	
		MID	QPSK	20.29	20.49	20.59	21.50	
		HIGH	QPSK	20.38	20.63	20.34	21.50	
75		LOW	QPSK	20.21	20.50	20.52	21.50	
15		1	LOW	Q16	20.83	20.74	20.98	21.50
			MID	Q16	21.04	20.88	20.97	21.50
	HIGH		Q16	21.18	20.77	21.00	21.50	
	36	LOW	Q16	19.47	19.29	19.50	20.50	
		MID	Q16	19.24	19.55	19.27	20.50	
		HIGH	Q16	19.59	19.52	19.54	20.50	
	75	LOW	Q16	19.51	19.38	19.56	20.50	
	15	1	LOW	64QAM	19.61	19.80	19.79	20.50
			MID	64QAM	19.80	19.51	19.86	20.50
HIGH			64QAM	20.26	19.83	19.95	20.50	
36		LOW	64QAM	18.45	18.55	18.42	19.50	
		MID	64QAM	18.34	18.46	18.32	19.50	
		HIGH	64QAM	18.23	18.59	18.21	19.50	
75		LOW	64QAM	18.36	18.68	18.20	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dB m)
20		1	LOW	QPSK	20.70	20.78	20.90	22.50
	MID		QPSK	20.75	20.85	20.89	22.50	
	HIGH		QPSK	20.92	20.95	20.93	22.50	
	50	LOW	QPSK	20.27	20.33	20.47	21.50	
		MID	QPSK	20.24	20.41	20.45	21.50	
		HIGH	QPSK	20.35	20.54	20.43	21.50	
	100	LOW	QPSK	20.33	20.45	20.45	21.50	
	20	1	LOW	Q16	20.77	20.77	20.85	21.50
			MID	Q16	20.89	20.77	20.85	21.50
HIGH			Q16	21.10	20.84	20.90	21.50	
50		LOW	Q16	19.35	19.37	19.41	20.50	
		MID	Q16	19.36	19.41	19.40	20.50	
		HIGH	Q16	19.45	19.52	19.39	20.50	
100		LOW	Q16	19.36	19.41	19.43	20.50	
20		1	LOW	64QAM	19.62	19.81	19.74	20.50
			MID	64QAM	19.91	19.66	19.80	20.50
	HIGH		64QAM	20.22	19.75	19.97	20.50	
	50	LOW	64QAM	18.36	18.52	18.50	19.50	
		MID	64QAM	18.32	18.41	18.30	19.50	
		HIGH	64QAM	18.37	18.66	18.28	19.50	
	100	LOW	64QAM	18.43	18.55	18.33	19.50	

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.98	22.80	23.00	24.50
		MID	QPSK	23.07	23.00	22.77	24.50
		HIGH	QPSK	23.06	23.07	23.05	24.50
	3	LOW	QPSK	22.78	23.04	22.84	24.50
		MID	QPSK	23.05	22.84	22.94	24.50
		HIGH	QPSK	22.99	22.85	22.93	24.50
6	LOW	QPSK	21.83	21.78	21.79	23.50	
1.4	1	LOW	Q16	21.72	21.83	21.84	23.50
		MID	Q16	21.64	21.72	21.87	23.50
		HIGH	Q16	21.84	21.95	21.77	23.50
	3	LOW	Q16	21.62	21.78	21.80	23.50
		MID	Q16	21.69	21.71	21.63	23.50
		HIGH	Q16	21.75	21.79	21.70	23.50
6	LOW	Q16	20.78	20.68	20.83	22.50	
1.4	1	LOW	64QAM	20.76	20.71	20.84	22.50
		MID	64QAM	20.70	20.71	20.73	22.50
		HIGH	64QAM	20.70	20.81	20.86	22.50
	3	LOW	64QAM	20.59	20.91	20.66	22.50
		MID	64QAM	20.66	20.76	20.76	22.50
		HIGH	64QAM	20.73	20.76	20.76	22.50
6	LOW	64QAM	19.75	19.71	19.87	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.85	22.83	22.93	24.50
		MID	QPSK	23.06	22.88	22.81	24.50
		HIGH	QPSK	23.15	22.84	22.80	24.50
	8	LOW	QPSK	21.57	21.65	21.73	23.50
		MID	QPSK	21.72	21.73	21.83	23.50
		HIGH	QPSK	21.85	21.86	21.76	23.50
15	LOW	QPSK	21.85	21.61	21.77	23.50	
3	1	LOW	Q16	21.75	21.95	21.83	23.50
		MID	Q16	21.58	21.92	21.80	23.50
		HIGH	Q16	21.85	21.84	21.72	23.50
	8	LOW	Q16	20.75	20.72	20.79	22.50
		MID	Q16	20.83	20.83	20.72	22.50
		HIGH	Q16	20.84	20.65	20.85	22.50
15	LOW	Q16	20.88	20.90	20.82	22.50	
3	1	LOW	64QAM	20.67	20.54	20.52	22.50
		MID	64QAM	20.55	20.88	20.79	22.50
		HIGH	64QAM	20.62	20.90	20.83	22.50
	8	LOW	64QAM	19.95	19.91	19.69	21.50
		MID	64QAM	19.76	19.77	19.82	21.50
		HIGH	64QAM	19.98	19.69	19.74	21.50
15	LOW	64QAM	19.76	19.90	19.61	21.50	

LTE B5-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.04	23.03	23.01	24.50
		MID	QPSK	22.93	22.89	22.95	24.50
		HIGH	QPSK	23.03	23.07	22.79	24.50
	12	LOW	QPSK	21.68	21.82	21.72	23.50
		MID	QPSK	21.69	21.61	21.59	23.50
		HIGH	QPSK	21.69	21.90	21.76	23.50
25	LOW	QPSK	21.68	21.87	21.63	23.50	
5	1	LOW	Q16	21.56	21.79	21.72	23.50
		MID	Q16	21.73	21.95	21.65	23.50
		HIGH	Q16	21.88	21.89	21.74	23.50
	12	LOW	Q16	20.59	20.86	20.90	22.50
		MID	Q16	20.58	20.88	20.93	22.50
		HIGH	Q16	20.78	20.75	20.81	22.50
25	LOW	Q16	20.80	20.90	20.83	22.50	
5	1	LOW	64QAM	20.70	20.77	20.74	22.50
		MID	64QAM	20.65	20.77	20.65	22.50
		HIGH	64QAM	20.64	20.88	20.72	22.50
	12	LOW	64QAM	19.76	19.92	19.70	21.50
		MID	64QAM	19.80	19.89	19.86	21.50
		HIGH	64QAM	19.86	19.92	19.67	21.50
25	LOW	64QAM	19.91	19.88	19.62	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.93	23.05	22.95	24.50
		MID	QPSK	22.94	22.92	22.90	24.50
		HIGH	QPSK	23.01	22.92	22.92	24.50
	25	LOW	QPSK	21.72	21.76	21.72	23.50
		MID	QPSK	21.74	21.76	21.72	23.50
		HIGH	QPSK	21.78	21.79	21.73	23.50
50	LOW	QPSK	21.74	21.76	21.74	23.50	
10	1	LOW	Q16	21.60	21.82	21.79	23.50
		MID	Q16	21.62	21.82	21.75	23.50
		HIGH	Q16	21.74	21.83	21.75	23.50
	25	LOW	Q16	20.72	20.79	20.79	22.50
		MID	Q16	20.73	20.77	20.79	22.50
		HIGH	Q16	20.78	20.79	20.79	22.50
50	LOW	Q16	20.73	20.75	20.73	22.50	
10	1	LOW	64QAM	20.58	20.67	20.66	22.50
		MID	64QAM	20.58	20.80	20.73	22.50
		HIGH	64QAM	20.59	20.75	20.84	22.50
	25	LOW	64QAM	19.85	19.94	19.75	21.50
		MID	64QAM	19.68	19.75	19.80	21.50
		HIGH	64QAM	19.83	19.78	19.75	21.50
50	LOW	64QAM	19.78	19.81	19.58	21.50	

LTE B5-State1&3 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.80	23.06	22.82	24.50
		MID	QPSK	22.79	22.88	22.92	24.50
		HIGH	QPSK	23.16	22.93	22.81	24.50
	3	LOW	QPSK	22.97	22.81	22.89	24.50
		MID	QPSK	22.84	22.83	22.96	24.50
		HIGH	QPSK	23.11	22.84	22.86	24.50
6	LOW	QPSK	21.80	21.71	21.64	23.50	
1.4	1	LOW	Q16	21.66	21.86	21.80	23.50
		MID	Q16	21.65	21.76	21.62	23.50
		HIGH	Q16	21.69	21.71	21.74	23.50
	3	LOW	Q16	21.63	21.69	21.80	23.50
		MID	Q16	21.62	21.85	21.89	23.50
		HIGH	Q16	21.83	21.69	21.77	23.50
6	LOW	Q16	20.72	20.78	20.82	22.50	
1.4	1	LOW	64QAM	20.72	20.89	20.90	22.50
		MID	64QAM	20.61	20.89	20.75	22.50
		HIGH	64QAM	20.68	20.84	20.63	22.50
	3	LOW	64QAM	20.58	20.63	20.68	22.50
		MID	64QAM	20.77	20.99	20.78	22.50
		HIGH	64QAM	20.79	20.71	20.77	22.50
6	LOW	64QAM	19.70	19.73	19.80	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dB m)
3	1	LOW	QPSK	22.79	23.08	22.85	24.50
		MID	QPSK	22.98	22.97	22.81	24.50
		HIGH	QPSK	23.05	22.96	23.06	24.50
	8	LOW	QPSK	21.65	21.61	21.66	23.50
		MID	QPSK	21.80	21.64	21.67	23.50
		HIGH	QPSK	21.81	21.93	21.88	23.50
15	LOW	QPSK	21.62	21.78	21.71	23.50	
3	1	LOW	Q16	21.55	21.91	21.76	23.50
		MID	Q16	21.60	21.79	21.83	23.50
		HIGH	Q16	21.68	21.77	21.65	23.50
	8	LOW	Q16	20.77	20.66	20.84	22.50
		MID	Q16	20.67	20.69	20.89	22.50
		HIGH	Q16	20.78	20.78	20.83	22.50
15	LOW	Q16	20.73	20.86	20.67	22.50	
3	1	LOW	64QAM	20.83	20.95	20.86	22.50
		MID	64QAM	20.73	20.69	20.91	22.50
		HIGH	64QAM	20.84	20.80	20.76	22.50
	8	LOW	64QAM	19.65	19.70	19.79	21.50
		MID	64QAM	19.57	19.80	19.92	21.50
		HIGH	64QAM	19.66	19.89	20.02	21.50
15	LOW	64QAM	19.67	19.56	19.67	21.50	

LTE B5-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dB m)	
5	1	LOW	QPSK	23.01	22.82	22.86	24.50	
		MID	QPSK	22.97	22.89	22.95	24.50	
		HIGH	QPSK	22.92	22.92	23.02	24.50	
	12	LOW	QPSK	21.69	21.66	21.82	23.50	
		MID	QPSK	21.70	21.70	21.67	23.50	
		HIGH	QPSK	21.63	21.90	21.63	23.50	
	25	LOW	QPSK	21.67	21.62	21.70	23.50	
	5	1	LOW	Q16	21.72	21.95	21.84	23.50
			MID	Q16	21.63	21.80	21.62	23.50
HIGH			Q16	21.70	21.90	21.61	23.50	
12		LOW	Q16	20.58	20.65	20.78	22.50	
		MID	Q16	20.88	20.76	20.94	22.50	
		HIGH	Q16	20.74	20.77	20.86	22.50	
25		LOW	Q16	20.64	20.64	20.84	22.50	
5		1	LOW	64QAM	20.52	20.78	20.65	22.50
			MID	64QAM	20.74	20.90	20.89	22.50
	HIGH		64QAM	20.72	20.80	20.99	22.50	
	12	LOW	64QAM	19.91	19.85	19.82	21.50	
		MID	64QAM	19.75	19.73	19.72	21.50	
		HIGH	64QAM	19.83	19.73	19.69	21.50	
	25	LOW	64QAM	19.64	19.73	19.73	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dB m)
	10	1	LOW	QPSK	22.93	23.05	22.95	24.50
MID			QPSK	22.94	22.92	22.90	24.50	
HIGH			QPSK	23.01	22.92	22.92	24.50	
25		LOW	QPSK	21.72	21.76	21.72	23.50	
		MID	QPSK	21.74	21.76	21.72	23.50	
		HIGH	QPSK	21.78	21.79	21.73	23.50	
50		LOW	QPSK	21.74	21.76	21.74	23.50	
10		1	LOW	Q16	21.60	21.82	21.79	23.50
			MID	Q16	21.62	21.82	21.75	23.50
	HIGH		Q16	21.74	21.83	21.75	23.50	
	25	LOW	Q16	20.72	20.79	20.79	22.50	
		MID	Q16	20.73	20.77	20.79	22.50	
		HIGH	Q16	20.78	20.79	20.79	22.50	
	50	LOW	Q16	20.73	20.75	20.73	22.50	
	10	1	LOW	64QAM	20.51	20.83	20.72	22.50
			MID	64QAM	20.63	20.85	20.89	22.50
HIGH			64QAM	20.72	20.91	20.84	22.50	
25		LOW	64QAM	19.79	19.91	19.91	21.50	
		MID	64QAM	19.72	19.86	19.72	21.50	
		HIGH	64QAM	19.73	19.87	19.84	21.50	
50		LOW	64QAM	19.79	19.60	19.73	21.50	

LTE B5-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.78	22.93	23.07	24.50
		MID	QPSK	22.83	22.98	22.97	24.50
		HIGH	QPSK	22.87	22.92	22.95	24.50
	3	LOW	QPSK	22.98	23.09	22.80	24.50
		MID	QPSK	22.99	22.79	22.97	24.50
		HIGH	QPSK	22.90	23.07	23.04	24.50
6	LOW	QPSK	21.79	21.82	21.86	23.50	
1.4	1	LOW	Q16	21.61	21.77	21.70	23.50
		MID	Q16	21.76	21.71	21.64	23.50
		HIGH	Q16	21.60	21.68	21.86	23.50
	3	LOW	Q16	21.59	21.91	21.76	23.50
		MID	Q16	21.60	21.79	21.87	23.50
		HIGH	Q16	21.75	21.98	21.75	23.50
6	LOW	Q16	20.78	20.89	20.88	22.50	
1.4	1	LOW	64QAM	20.54	20.65	20.64	22.50
		MID	64QAM	20.70	20.85	20.55	22.50
		HIGH	64QAM	20.50	20.67	20.97	22.50
	3	LOW	64QAM	20.74	20.77	20.62	22.50
		MID	64QAM	20.61	20.89	20.72	22.50
		HIGH	64QAM	20.84	21.04	20.89	22.50
6	LOW	64QAM	19.78	19.74	19.99	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.82	22.94	22.96	24.50
		MID	QPSK	23.01	22.91	22.91	24.50
		HIGH	QPSK	22.93	23.02	23.04	24.50
	8	LOW	QPSK	21.66	21.75	21.75	23.50
		MID	QPSK	21.78	21.72	21.80	23.50
		HIGH	QPSK	21.65	21.90	21.82	23.50
15	LOW	QPSK	21.86	21.77	21.72	23.50	
3	1	LOW	Q16	21.66	21.89	21.77	23.50
		MID	Q16	21.55	21.96	21.86	23.50
		HIGH	Q16	21.84	21.81	21.90	23.50
	8	LOW	Q16	20.74	20.69	20.67	22.50
		MID	Q16	20.69	20.72	20.82	22.50
		HIGH	Q16	20.91	20.93	20.71	22.50
15	LOW	Q16	20.68	20.64	20.68	22.50	
3	1	LOW	64QAM	20.64	20.68	20.83	22.50
		MID	64QAM	20.59	20.63	20.84	22.50
		HIGH	64QAM	20.58	20.86	21.01	22.50
	8	LOW	64QAM	19.76	19.79	19.76	21.50
		MID	64QAM	19.64	19.60	19.69	21.50
		HIGH	64QAM	19.89	19.78	19.78	21.50
15	LOW	64QAM	19.51	19.74	19.69	21.50	

LTE B5-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.97	22.91	23.03	24.50
		MID	QPSK	23.09	22.80	22.80	24.50
		HIGH	QPSK	22.92	23.04	22.94	24.50
	12	LOW	QPSK	21.76	21.80	21.85	23.50
		MID	QPSK	21.65	21.70	21.66	23.50
		HIGH	QPSK	21.92	21.88	21.71	23.50
25	LOW	QPSK	21.65	21.73	21.83	23.50	
5	1	LOW	Q16	21.70	21.83	21.67	23.50
		MID	Q16	21.67	21.88	21.62	23.50
		HIGH	Q16	21.68	21.76	21.61	23.50
	12	LOW	Q16	20.85	20.79	20.77	22.50
		MID	Q16	20.87	20.75	20.89	22.50
		HIGH	Q16	20.72	20.73	20.80	22.50
25	LOW	Q16	20.74	20.74	20.62	22.50	
5	1	LOW	64QAM	20.63	20.74	20.89	22.50
		MID	64QAM	20.64	20.72	20.96	22.50
		HIGH	64QAM	20.61	20.73	20.80	22.50
	12	LOW	64QAM	19.87	19.74	19.77	21.50
		MID	64QAM	19.69	19.62	19.74	21.50
		HIGH	64QAM	19.68	19.86	19.75	21.50
25	LOW	64QAM	19.67	19.75	19.64	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.93	23.05	22.95	24.50
		MID	QPSK	22.94	22.92	22.90	24.50
		HIGH	QPSK	23.01	22.92	22.92	24.50
	25	LOW	QPSK	21.72	21.76	21.72	23.50
		MID	QPSK	21.74	21.76	21.72	23.50
		HIGH	QPSK	21.78	21.79	21.73	23.50
50	LOW	QPSK	21.74	21.76	21.74	23.50	
10	1	LOW	Q16	21.60	21.82	21.79	23.50
		MID	Q16	21.62	21.82	21.75	23.50
		HIGH	Q16	21.74	21.83	21.75	23.50
	25	LOW	Q16	20.72	20.79	20.79	22.50
		MID	Q16	20.73	20.77	20.79	22.50
		HIGH	Q16	20.78	20.79	20.79	22.50
50	LOW	Q16	20.73	20.75	20.73	22.50	
10	1	LOW	64QAM	20.60	20.75	20.78	22.50
		MID	64QAM	20.64	20.76	20.86	22.50
		HIGH	64QAM	20.60	20.86	20.87	22.50
	25	LOW	64QAM	19.80	19.82	19.83	21.50
		MID	64QAM	19.58	19.64	19.78	21.50
		HIGH	64QAM	19.83	19.91	19.75	21.50
50	LOW	64QAM	19.58	19.61	19.61	21.50	

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.98	22.80	23.00	24.50	
		MID	QPSK	23.07	23.00	22.77	24.50	
		HIGH	QPSK	23.06	23.07	23.05	24.50	
	3	LOW	QPSK	22.78	23.04	22.84	24.50	
		MID	QPSK	23.05	22.84	22.94	24.50	
		HIGH	QPSK	22.99	22.85	22.93	24.50	
	6	LOW	QPSK	21.83	21.78	21.79	23.50	
	1.4	1	LOW	Q16	21.72	21.83	21.84	23.50
			MID	Q16	21.64	21.72	21.87	23.50
HIGH			Q16	21.84	21.95	21.77	23.50	
3		LOW	Q16	21.62	21.78	21.80	23.50	
		MID	Q16	21.69	21.71	21.63	23.50	
		HIGH	Q16	21.75	21.79	21.70	23.50	
6		LOW	Q16	20.78	20.68	20.83	22.50	
1.4		1	LOW	64QAM	20.76	20.71	20.84	22.50
			MID	64QAM	20.70	20.71	20.73	22.50
	HIGH		64QAM	20.70	20.81	20.86	22.50	
	3	LOW	64QAM	20.59	20.91	20.66	22.50	
		MID	64QAM	20.66	20.76	20.76	22.50	
		HIGH	64QAM	20.73	20.76	20.76	22.50	
	6	LOW	64QAM	19.75	19.71	19.87	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	22.85	22.83	22.93	24.50
MID			QPSK	23.06	22.88	22.81	24.50	
HIGH			QPSK	23.15	22.84	22.80	24.50	
8		LOW	QPSK	21.57	21.65	21.73	23.50	
		MID	QPSK	21.72	21.73	21.83	23.50	
		HIGH	QPSK	21.85	21.86	21.76	23.50	
15		LOW	QPSK	21.85	21.61	21.77	23.50	
3		1	LOW	Q16	21.75	21.95	21.83	23.50
			MID	Q16	21.58	21.92	21.80	23.50
	HIGH		Q16	21.85	21.84	21.72	23.50	
	8	LOW	Q16	20.75	20.72	20.79	22.50	
		MID	Q16	20.83	20.83	20.72	22.50	
		HIGH	Q16	20.84	20.65	20.85	22.50	
	15	LOW	Q16	20.88	20.90	20.82	22.50	
	3	1	LOW	64QAM	20.67	20.54	20.52	22.50
			MID	64QAM	20.55	20.88	20.79	22.50
HIGH			64QAM	20.62	20.90	20.83	22.50	
8		LOW	64QAM	19.95	19.91	19.69	21.50	
		MID	64QAM	19.76	19.77	19.82	21.50	
		HIGH	64QAM	19.98	19.69	19.74	21.50	
15		LOW	64QAM	19.76	19.90	19.61	21.50	

LTE B5-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.04	23.03	23.01	24.50	
		MID	QPSK	22.93	22.89	22.95	24.50	
		HIGH	QPSK	23.03	23.07	22.79	24.50	
	12	LOW	QPSK	21.68	21.82	21.72	23.50	
		MID	QPSK	21.69	21.61	21.59	23.50	
		HIGH	QPSK	21.69	21.90	21.76	23.50	
	25	LOW	QPSK	21.68	21.87	21.63	23.50	
	5	1	LOW	Q16	21.56	21.79	21.72	23.50
			MID	Q16	21.73	21.95	21.65	23.50
HIGH			Q16	21.88	21.89	21.74	23.50	
12		LOW	Q16	20.59	20.86	20.90	22.50	
		MID	Q16	20.58	20.88	20.93	22.50	
		HIGH	Q16	20.78	20.75	20.81	22.50	
25		LOW	Q16	20.80	20.90	20.83	22.50	
5		1	LOW	64QAM	20.70	20.77	20.74	22.50
			MID	64QAM	20.65	20.77	20.65	22.50
	HIGH		64QAM	20.64	20.88	20.72	22.50	
	12	LOW	64QAM	19.76	19.92	19.70	21.50	
		MID	64QAM	19.80	19.89	19.86	21.50	
		HIGH	64QAM	19.86	19.92	19.67	21.50	
	25	LOW	64QAM	19.91	19.88	19.62	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	23.05	22.95	24.50
MID			QPSK	22.94	22.92	22.90	24.50	
HIGH			QPSK	23.01	22.92	22.92	24.50	
25		LOW	QPSK	21.72	21.76	21.72	23.50	
		MID	QPSK	21.74	21.76	21.72	23.50	
		HIGH	QPSK	21.78	21.79	21.73	23.50	
50		LOW	QPSK	21.74	21.76	21.74	23.50	
10		1	LOW	Q16	21.60	21.82	21.79	23.50
			MID	Q16	21.62	21.82	21.75	23.50
	HIGH		Q16	21.74	21.83	21.75	23.50	
	25	LOW	Q16	20.72	20.79	20.79	22.50	
		MID	Q16	20.73	20.77	20.79	22.50	
		HIGH	Q16	20.78	20.79	20.79	22.50	
	50	LOW	Q16	20.73	20.75	20.73	22.50	
	10	1	LOW	64QAM	20.58	20.67	20.66	22.50
			MID	64QAM	20.58	20.80	20.73	22.50
HIGH			64QAM	20.59	20.75	20.84	22.50	
25		LOW	64QAM	19.85	19.94	19.75	21.50	
		MID	64QAM	19.68	19.75	19.80	21.50	
		HIGH	64QAM	19.83	19.78	19.75	21.50	
50		LOW	64QAM	19.78	19.81	19.58	21.50	

LTE B5-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.89	21.90	21.59	22.75	
		MID	QPSK	21.97	21.80	21.72	22.75	
		HIGH	QPSK	21.84	21.60	21.73	22.75	
	3	LOW	QPSK	21.80	21.91	21.76	22.75	
		MID	QPSK	21.73	21.78	21.90	22.75	
		HIGH	QPSK	21.96	21.80	21.81	22.75	
	6	LOW	QPSK	21.80	21.73	21.52	22.75	
		1	LOW	Q16	21.47	21.77	21.73	22.75
			MID	Q16	21.57	21.71	21.73	22.75
HIGH	Q16		21.71	21.83	21.70	22.75		
3	LOW	Q16	21.75	21.67	21.71	22.75		
	MID	Q16	21.56	21.84	21.68	22.75		
	HIGH	Q16	21.83	21.97	21.77	22.75		
6	LOW	Q16	21.53	21.62	21.56	22.50		
	1	LOW	64QAM	21.28	21.40	21.36	22.50	
		MID	64QAM	21.43	21.61	21.55	22.50	
HIGH		64QAM	21.54	21.54	21.33	22.50		
3	LOW	64QAM	21.43	21.44	21.52	22.50		
	MID	64QAM	21.41	21.48	21.56	22.50		
	HIGH	64QAM	21.56	21.74	21.43	22.50		
6	LOW	64QAM	20.45	20.74	20.64	21.50		
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.85	21.70	21.63	22.75
MID			QPSK	21.82	22.03	21.74	22.75	
HIGH			QPSK	21.71	21.81	21.62	22.75	
8		LOW	QPSK	21.87	21.66	21.73	22.75	
		MID	QPSK	21.72	21.77	21.58	22.75	
		HIGH	QPSK	21.84	21.84	21.78	22.75	
15		LOW	QPSK	21.84	21.67	21.51	22.75	
		1	LOW	Q16	21.47	21.62	21.83	22.75
			MID	Q16	21.85	21.74	21.73	22.75
HIGH	Q16		21.86	21.98	21.74	22.75		
8	LOW	Q16	21.40	21.62	21.51	22.50		
	MID	Q16	21.56	21.55	21.52	22.50		
	HIGH	Q16	21.62	21.47	21.41	22.50		
15	LOW	Q16	21.64	21.73	21.39	22.50		
	1	LOW	64QAM	21.39	21.61	21.52	22.50	
		MID	64QAM	21.56	21.67	21.45	22.50	
HIGH		64QAM	21.78	21.69	21.37	22.50		
8	LOW	64QAM	20.43	20.26	20.62	21.50		
	MID	64QAM	20.61	20.30	20.32	21.50		
	HIGH	64QAM	20.48	20.56	20.50	21.50		
15	LOW	64QAM	20.61	20.55	20.39	21.50		

LTE B5-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.92	21.88	21.63	22.75	
		MID	QPSK	21.91	22.02	21.90	22.75	
		HIGH	QPSK	21.70	21.81	21.73	22.75	
	12	LOW	QPSK	22.00	21.79	21.72	22.75	
		MID	QPSK	21.74	21.83	21.61	22.75	
		HIGH	QPSK	21.88	21.78	21.71	22.75	
	25	LOW	QPSK	22.03	21.58	21.49	22.75	
	5	1	LOW	Q16	21.58	21.77	21.90	22.75
			MID	Q16	21.67	21.73	21.73	22.75
HIGH			Q16	21.73	21.97	21.58	22.75	
12		LOW	Q16	21.38	21.41	21.48	22.50	
		MID	Q16	21.37	21.40	21.34	22.50	
		HIGH	Q16	21.64	21.31	21.55	22.50	
25		LOW	Q16	21.50	21.60	21.49	22.50	
5		1	LOW	64QAM	21.41	21.60	21.45	22.50
			MID	64QAM	21.49	21.61	21.49	22.50
	HIGH		64QAM	21.52	21.73	21.19	22.50	
	12	LOW	64QAM	20.25	20.27	20.65	21.50	
		MID	64QAM	20.35	20.56	20.32	21.50	
		HIGH	64QAM	20.42	20.58	20.47	21.50	
	25	LOW	64QAM	20.76	20.41	20.40	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.79	21.78	21.61	22.75
MID			QPSK	21.88	21.88	21.85	22.75	
HIGH			QPSK	21.84	21.69	21.72	22.75	
25		LOW	QPSK	21.86	21.72	21.87	22.75	
		MID	QPSK	21.60	21.68	21.62	22.75	
		HIGH	QPSK	21.88	21.81	21.73	22.75	
50		LOW	QPSK	21.88	21.61	21.64	22.75	
10		1	LOW	Q16	21.62	21.72	21.82	22.75
			MID	Q16	21.71	21.69	21.72	22.75
	HIGH		Q16	21.83	21.87	21.70	22.75	
	25	LOW	Q16	21.44	21.50	21.54	22.50	
		MID	Q16	21.42	21.50	21.37	22.50	
		HIGH	Q16	21.56	21.40	21.50	22.50	
	50	LOW	Q16	21.61	21.58	21.42	22.50	
	10	1	LOW	64QAM	21.33	21.49	21.54	22.50
			MID	64QAM	21.50	21.56	21.60	22.50
HIGH			64QAM	21.66	21.74	21.34	22.50	
25		LOW	64QAM	20.35	20.35	20.56	21.50	
		MID	64QAM	20.47	20.43	20.27	21.50	
		HIGH	64QAM	20.49	20.51	20.48	21.50	
50		LOW	64QAM	20.64	20.49	20.27	21.50	

LTE B5-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.98	22.80	23.00	24.50	
		MID	QPSK	23.07	23.00	22.77	24.50	
		HIGH	QPSK	23.06	23.07	23.05	24.50	
	3	LOW	QPSK	22.78	23.04	22.84	24.50	
		MID	QPSK	23.05	22.84	22.94	24.50	
		HIGH	QPSK	22.99	22.85	22.93	24.50	
	6	LOW	QPSK	21.83	21.78	21.79	23.50	
	1.4	1	LOW	Q16	21.72	21.83	21.84	23.50
			MID	Q16	21.64	21.72	21.87	23.50
HIGH			Q16	21.84	21.95	21.77	23.50	
3		LOW	Q16	21.62	21.78	21.80	23.50	
		MID	Q16	21.69	21.71	21.63	23.50	
		HIGH	Q16	21.75	21.79	21.70	23.50	
6		LOW	Q16	20.78	20.68	20.83	22.50	
1.4		1	LOW	64QAM	20.76	20.71	20.84	22.50
			MID	64QAM	20.70	20.71	20.73	22.50
	HIGH		64QAM	20.70	20.81	20.86	22.50	
	3	LOW	64QAM	20.59	20.91	20.66	22.50	
		MID	64QAM	20.66	20.76	20.76	22.50	
		HIGH	64QAM	20.73	20.76	20.76	22.50	
	6	LOW	64QAM	19.75	19.71	19.87	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	22.85	22.83	22.93	24.50
MID			QPSK	23.06	22.88	22.81	24.50	
HIGH			QPSK	23.15	22.84	22.80	24.50	
8		LOW	QPSK	21.57	21.65	21.73	23.50	
		MID	QPSK	21.72	21.73	21.83	23.50	
		HIGH	QPSK	21.85	21.86	21.76	23.50	
15		LOW	QPSK	21.85	21.61	21.77	23.50	
3		1	LOW	Q16	21.75	21.95	21.83	23.50
			MID	Q16	21.58	21.92	21.80	23.50
	HIGH		Q16	21.85	21.84	21.72	23.50	
	8	LOW	Q16	20.75	20.72	20.79	22.50	
		MID	Q16	20.83	20.83	20.72	22.50	
		HIGH	Q16	20.84	20.65	20.85	22.50	
	15	LOW	Q16	20.88	20.90	20.82	22.50	
	3	1	LOW	64QAM	20.67	20.54	20.52	22.50
			MID	64QAM	20.55	20.88	20.79	22.50
HIGH			64QAM	20.62	20.90	20.83	22.50	
8		LOW	64QAM	19.95	19.91	19.69	21.50	
		MID	64QAM	19.76	19.77	19.82	21.50	
		HIGH	64QAM	19.98	19.69	19.74	21.50	
15		LOW	64QAM	19.76	19.90	19.61	21.50	

LTE B5-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.04	23.03	23.01	24.50	
		MID	QPSK	22.93	22.89	22.95	24.50	
		HIGH	QPSK	23.03	23.07	22.79	24.50	
	12	LOW	QPSK	21.68	21.82	21.72	23.50	
		MID	QPSK	21.69	21.61	21.59	23.50	
		HIGH	QPSK	21.69	21.90	21.76	23.50	
	25	LOW	QPSK	21.68	21.87	21.63	23.50	
	5	1	LOW	Q16	21.56	21.79	21.72	23.50
			MID	Q16	21.73	21.95	21.65	23.50
HIGH			Q16	21.88	21.89	21.74	23.50	
12		LOW	Q16	20.59	20.86	20.90	22.50	
		MID	Q16	20.58	20.88	20.93	22.50	
		HIGH	Q16	20.78	20.75	20.81	22.50	
25		LOW	Q16	20.80	20.90	20.83	22.50	
5		1	LOW	64QAM	20.70	20.77	20.74	22.50
			MID	64QAM	20.65	20.77	20.65	22.50
	HIGH		64QAM	20.64	20.88	20.72	22.50	
	12	LOW	64QAM	19.76	19.92	19.70	21.50	
		MID	64QAM	19.80	19.89	19.86	21.50	
		HIGH	64QAM	19.86	19.92	19.67	21.50	
	25	LOW	64QAM	19.91	19.88	19.62	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	23.05	22.95	24.50
MID			QPSK	22.94	22.92	22.90	24.50	
HIGH			QPSK	23.01	22.92	22.92	24.50	
25		LOW	QPSK	21.72	21.76	21.72	23.50	
		MID	QPSK	21.74	21.76	21.72	23.50	
		HIGH	QPSK	21.78	21.79	21.73	23.50	
50		LOW	QPSK	21.74	21.76	21.74	23.50	
10		1	LOW	Q16	21.60	21.82	21.79	23.50
			MID	Q16	21.62	21.82	21.75	23.50
	HIGH		Q16	21.74	21.83	21.75	23.50	
	25	LOW	Q16	20.72	20.79	20.79	22.50	
		MID	Q16	20.73	20.77	20.79	22.50	
		HIGH	Q16	20.78	20.79	20.79	22.50	
	50	LOW	Q16	20.73	20.75	20.73	22.50	
	10	1	LOW	64QAM	20.58	20.67	20.66	22.50
			MID	64QAM	20.58	20.80	20.73	22.50
HIGH			64QAM	20.59	20.75	20.84	22.50	
25		LOW	64QAM	19.85	19.94	19.75	21.50	
		MID	64QAM	19.68	19.75	19.80	21.50	
		HIGH	64QAM	19.83	19.78	19.75	21.50	
50		LOW	64QAM	19.78	19.81	19.58	21.50	

8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.69	22.84	22.64	24.50	
		MID	QPSK	22.84	22.62	22.76	24.50	
		HIGH	QPSK	22.76	22.80	22.78	24.50	
	3	LOW	QPSK	22.65	22.81	22.59	24.50	
		MID	QPSK	22.84	22.81	22.60	24.50	
		HIGH	QPSK	22.79	22.67	22.69	24.50	
	6	LOW	QPSK	21.68	21.60	21.68	23.50	
	1.4	1	LOW	Q16	21.52	21.68	21.85	23.50
			MID	Q16	21.76	21.63	21.71	23.50
HIGH			Q16	21.79	21.67	21.68	23.50	
3		LOW	Q16	21.80	21.57	21.88	23.50	
		MID	Q16	21.51	21.79	21.60	23.50	
		HIGH	Q16	21.57	21.54	21.76	23.50	
6		LOW	Q16	20.60	20.68	20.70	22.50	
1.4		1	LOW	64QAM	20.54	20.60	20.78	22.50
			MID	64QAM	20.87	20.53	20.80	22.50
	HIGH		64QAM	20.79	20.64	20.55	22.50	
	3	LOW	64QAM	20.83	20.61	21.01	22.50	
		MID	64QAM	20.66	20.65	20.55	22.50	
		HIGH	64QAM	20.72	20.55	20.82	22.50	
	6	LOW	64QAM	19.51	19.61	19.77	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	22.79	22.75	22.68	24.50
MID			QPSK	22.76	22.80	22.70	24.50	
HIGH			QPSK	22.91	22.78	22.68	24.50	
8		LOW	QPSK	21.65	21.75	21.75	23.50	
		MID	QPSK	21.80	21.71	21.62	23.50	
		HIGH	QPSK	21.70	21.87	21.57	23.50	
15		LOW	QPSK	21.82	21.85	21.68	23.50	
3		1	LOW	Q16	21.53	21.69	21.64	23.50
			MID	Q16	21.64	21.59	21.83	23.50
	HIGH		Q16	21.75	21.55	21.61	23.50	
	8	LOW	Q16	20.68	20.69	20.84	22.50	
		MID	Q16	20.65	20.68	20.71	22.50	
		HIGH	Q16	20.91	20.62	20.66	22.50	
	15	LOW	Q16	20.82	20.70	20.79	22.50	
	3	1	LOW	64QAM	20.95	20.58	20.88	22.50
			MID	64QAM	20.72	20.74	20.62	22.50
HIGH			64QAM	20.75	20.57	20.51	22.50	
8		LOW	64QAM	19.50	19.72	19.62	21.50	
		MID	64QAM	19.68	19.98	19.76	21.50	
		HIGH	64QAM	19.88	19.90	19.82	21.50	
15		LOW	64QAM	19.76	20.02	19.76	21.50	

LTE B5-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.92	22.88	24.50
		MID	QPSK	22.58	22.64	22.74	24.50
		HIGH	QPSK	22.79	22.59	22.66	24.50
	12	LOW	QPSK	21.62	21.83	21.65	23.50
		MID	QPSK	21.83	21.85	21.72	23.50
		HIGH	QPSK	21.73	21.83	21.83	23.50
25	LOW	QPSK	21.67	21.82	21.86	23.50	
5	1	LOW	Q16	21.51	21.57	21.82	23.50
		MID	Q16	21.66	21.75	21.71	23.50
		HIGH	Q16	21.84	21.52	21.64	23.50
	12	LOW	Q16	20.78	20.93	20.77	22.50
		MID	Q16	20.71	20.92	20.85	22.50
		HIGH	Q16	20.68	20.66	20.91	22.50
25	LOW	Q16	20.83	20.77	20.74	22.50	
5	1	LOW	64QAM	20.77	20.53	20.77	22.50
		MID	64QAM	20.66	20.57	20.73	22.50
		HIGH	64QAM	20.63	20.74	20.69	22.50
	12	LOW	64QAM	19.52	19.78	19.61	21.50
		MID	64QAM	19.61	19.99	19.72	21.50
		HIGH	64QAM	19.69	19.65	19.90	21.50
25	LOW	64QAM	19.86	19.82	19.77	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.74	22.87	22.74	24.50
		MID	QPSK	22.72	22.76	22.68	24.50
		HIGH	QPSK	22.84	22.71	22.69	24.50
	25	LOW	QPSK	21.76	21.81	21.70	23.50
		MID	QPSK	21.77	21.76	21.67	23.50
		HIGH	QPSK	21.80	21.77	21.70	23.50
50	LOW	QPSK	21.74	21.74	21.71	23.50	
10	1	LOW	Q16	21.65	21.63	21.76	23.50
		MID	Q16	21.62	21.58	21.74	23.50
		HIGH	Q16	21.72	21.58	21.70	23.50
	25	LOW	Q16	20.79	20.79	20.77	22.50
		MID	Q16	20.76	20.77	20.75	22.50
		HIGH	Q16	20.81	20.77	20.77	22.50
50	LOW	Q16	20.73	20.76	20.72	22.50	
10	1	LOW	64QAM	20.80	20.52	20.79	22.50
		MID	64QAM	20.61	20.58	20.63	22.50
		HIGH	64QAM	20.69	20.58	20.55	22.50
	25	LOW	64QAM	19.64	19.79	19.69	21.50
		MID	64QAM	19.76	19.84	19.76	21.50
		HIGH	64QAM	19.76	19.79	19.87	21.50
50	LOW	64QAM	19.87	19.87	19.70	21.50	

LTE B5-State1&3 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.80	22.63	22.78	24.50
		MID	QPSK	22.57	22.63	22.77	24.50
		HIGH	QPSK	22.99	22.58	22.65	24.50
	3	LOW	QPSK	22.74	22.73	22.78	24.50
		MID	QPSK	22.79	22.68	22.66	24.50
		HIGH	QPSK	22.95	22.67	22.56	24.50
6	LOW	QPSK	21.73	21.67	21.70	23.50	
1.4	1	LOW	Q16	21.76	21.52	21.68	23.50
		MID	Q16	21.72	21.71	21.74	23.50
		HIGH	Q16	21.78	21.51	21.74	23.50
	3	LOW	Q16	21.54	21.63	21.71	23.50
		MID	Q16	21.58	21.75	21.68	23.50
		HIGH	Q16	21.73	21.53	21.82	23.50
6	LOW	Q16	20.62	20.77	20.86	22.50	
1.4	1	LOW	64QAM	20.88	20.71	20.82	22.50
		MID	64QAM	20.61	20.67	20.72	22.50
		HIGH	64QAM	20.89	20.62	20.61	22.50
	3	LOW	64QAM	20.69	20.56	20.83	22.50
		MID	64QAM	20.79	20.77	20.80	22.50
		HIGH	64QAM	20.66	20.55	20.73	22.50
6	LOW	64QAM	19.54	19.81	19.85	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dB m)
3	1	LOW	QPSK	22.70	22.73	22.88	24.50
		MID	QPSK	22.81	22.61	22.81	24.50
		HIGH	QPSK	22.94	22.70	22.71	24.50
	8	LOW	QPSK	21.78	21.75	21.60	23.50
		MID	QPSK	21.82	21.79	21.58	23.50
		HIGH	QPSK	21.66	21.83	21.68	23.50
15	LOW	QPSK	21.69	21.71	21.85	23.50	
3	1	LOW	Q16	21.76	21.60	21.64	23.50
		MID	Q16	21.77	21.51	21.69	23.50
		HIGH	Q16	21.86	21.72	21.60	23.50
	8	LOW	Q16	20.82	20.67	20.91	22.50
		MID	Q16	20.70	20.67	20.71	22.50
		HIGH	Q16	20.75	20.66	20.89	22.50
15	LOW	Q16	20.76	20.72	20.60	22.50	
3	1	LOW	64QAM	20.72	20.71	20.91	22.50
		MID	64QAM	20.51	20.65	20.81	22.50
		HIGH	64QAM	20.78	20.67	20.61	22.50
	8	LOW	64QAM	19.62	19.74	19.68	21.50
		MID	64QAM	19.52	19.78	19.92	21.50
		HIGH	64QAM	19.79	19.65	20.03	21.50
15	LOW	64QAM	19.75	19.92	19.70	21.50	

LTE B5-State1&3 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dB m)
5	1	LOW	QPSK	22.74	22.69	22.86	24.50
		MID	QPSK	22.78	22.72	22.77	24.50
		HIGH	QPSK	22.83	22.63	22.56	24.50
	12	LOW	QPSK	21.78	21.62	21.78	23.50
		MID	QPSK	21.83	21.86	21.64	23.50
		HIGH	QPSK	21.88	21.62	21.82	23.50
25	LOW	QPSK	21.61	21.80	21.67	23.50	
5	1	LOW	Q16	21.79	21.79	21.78	23.50
		MID	Q16	21.68	21.67	21.86	23.50
		HIGH	Q16	21.58	21.77	21.67	23.50
	12	LOW	Q16	20.91	20.68	20.79	22.50
		MID	Q16	20.72	20.70	20.70	22.50
		HIGH	Q16	20.80	20.84	20.91	22.50
25	LOW	Q16	20.73	20.71	20.66	22.50	
5	1	LOW	64QAM	20.55	20.65	21.02	22.50
		MID	64QAM	20.66	20.72	20.77	22.50
		HIGH	64QAM	20.83	20.62	20.63	22.50
	12	LOW	64QAM	20.01	19.75	19.72	21.50
		MID	64QAM	19.67	19.65	19.95	21.50
		HIGH	64QAM	19.82	19.65	19.78	21.50
25	LOW	64QAM	19.62	19.60	19.56	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dB m)
10	1	LOW	QPSK	22.74	22.87	22.74	24.50
		MID	QPSK	22.72	22.76	22.68	24.50
		HIGH	QPSK	22.84	22.71	22.69	24.50
	25	LOW	QPSK	21.76	21.81	21.70	23.50
		MID	QPSK	21.77	21.76	21.67	23.50
		HIGH	QPSK	21.80	21.77	21.70	23.50
50	LOW	QPSK	21.74	21.74	21.71	23.50	
10	1	LOW	Q16	21.65	21.63	21.76	23.50
		MID	Q16	21.62	21.58	21.74	23.50
		HIGH	Q16	21.72	21.58	21.70	23.50
	25	LOW	Q16	20.79	20.79	20.77	22.50
		MID	Q16	20.76	20.77	20.75	22.50
		HIGH	Q16	20.81	20.77	20.77	22.50
50	LOW	Q16	20.73	20.76	20.72	22.50	
10	1	LOW	64QAM	20.59	20.64	20.87	22.50
		MID	64QAM	20.77	20.73	20.85	22.50
		HIGH	64QAM	20.76	20.70	20.62	22.50
	25	LOW	64QAM	19.87	19.80	19.76	21.50
		MID	64QAM	19.69	19.76	19.90	21.50
		HIGH	64QAM	19.73	19.78	19.63	21.50
50	LOW	64QAM	19.67	19.65	19.65	21.50	

LTE B5-State2&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.09	21.07	21.28	23.00
		MID	QPSK	21.17	21.15	21.28	23.00
		HIGH	QPSK	21.28	21.14	21.08	23.00
	3	LOW	QPSK	21.18	21.16	21.17	23.00
		MID	QPSK	21.04	21.25	21.25	23.00
		HIGH	QPSK	21.31	21.19	21.08	23.00
6	LOW	QPSK	21.17	21.03	21.23	23.00	
1.4	1	LOW	Q16	21.02	21.46	21.26	23.00
		MID	Q16	21.35	21.32	21.26	23.00
		HIGH	Q16	21.22	21.41	21.14	23.00
	3	LOW	Q16	21.28	21.37	21.11	23.00
		MID	Q16	21.41	21.51	21.12	23.00
		HIGH	Q16	21.25	21.52	21.15	23.00
6	LOW	Q16	20.79	20.63	20.62	22.50	
1.4	1	LOW	64QAM	20.74	20.95	20.74	22.50
		MID	64QAM	20.87	20.74	20.50	22.50
		HIGH	64QAM	20.60	20.95	20.53	22.50
	3	LOW	64QAM	20.60	20.72	20.58	22.50
		MID	64QAM	20.76	21.15	20.66	22.50
		HIGH	64QAM	20.63	21.13	20.52	22.50
6	LOW	64QAM	19.59	19.68	19.77	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	21.02	21.05	21.24	23.00
		MID	QPSK	21.02	21.21	21.14	23.00
		HIGH	QPSK	21.13	21.25	21.25	23.00
	8	LOW	QPSK	21.24	21.14	21.10	23.00
		MID	QPSK	21.26	21.19	21.17	23.00
		HIGH	QPSK	21.03	21.05	21.06	23.00
15	LOW	QPSK	21.04	21.12	21.16	23.00	
3	1	LOW	Q16	21.17	21.60	21.21	23.00
		MID	Q16	21.61	21.38	21.00	23.00
		HIGH	Q16	21.11	21.40	21.24	23.00
	8	LOW	Q16	20.65	20.70	20.51	22.50
		MID	Q16	20.67	20.77	20.62	22.50
		HIGH	Q16	20.64	20.55	20.58	22.50
15	LOW	Q16	20.64	20.64	20.74	22.50	
3	1	LOW	64QAM	20.65	21.01	20.88	22.50
		MID	64QAM	20.82	21.08	20.71	22.50
		HIGH	64QAM	20.77	20.94	20.56	22.50
	8	LOW	64QAM	19.68	19.71	19.63	21.50
		MID	64QAM	19.73	19.52	19.59	21.50
		HIGH	64QAM	19.62	19.64	19.58	21.50
15	LOW	64QAM	19.77	19.73	19.57	21.50	

LTE B5-State2&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	21.27	21.15	21.02	23.00
		MID	QPSK	21.03	21.17	21.24	23.00
		HIGH	QPSK	21.23	21.17	21.18	23.00
	12	LOW	QPSK	21.25	21.14	21.04	23.00
		MID	QPSK	21.16	21.25	21.08	23.00
		HIGH	QPSK	21.16	21.25	21.02	23.00
25	LOW	QPSK	21.11	21.24	21.26	23.00	
5	1	LOW	Q16	21.24	21.39	21.05	23.00
		MID	Q16	21.43	21.43	21.07	23.00
		HIGH	Q16	21.26	21.56	21.06	23.00
	12	LOW	Q16	20.68	20.73	20.68	22.50
		MID	Q16	20.79	20.75	20.51	22.50
		HIGH	Q16	20.54	20.61	20.81	22.50
25	LOW	Q16	20.76	20.64	20.77	22.50	
5	1	LOW	64QAM	20.79	21.05	20.80	22.50
		MID	64QAM	20.81	20.82	20.58	22.50
		HIGH	64QAM	20.58	21.03	20.60	22.50
	12	LOW	64QAM	19.55	19.58	19.71	21.50
		MID	64QAM	19.72	19.55	19.56	21.50
		HIGH	64QAM	19.75	19.56	19.78	21.50
25	LOW	64QAM	19.55	19.67	19.72	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	21.09	21.13	21.09	23.00
		MID	QPSK	21.09	21.10	21.02	23.00
		HIGH	QPSK	21.12	21.09	21.05	23.00
	25	LOW	QPSK	21.16	21.18	21.03	23.00
		MID	QPSK	21.12	21.11	21.02	23.00
		HIGH	QPSK	21.16	21.11	21.03	23.00
50	LOW	QPSK	21.13	21.09	21.05	23.00	
10	1	LOW	Q16	21.00	21.48	21.11	23.00
		MID	Q16	21.49	21.44	21.09	23.00
		HIGH	Q16	21.07	21.46	21.11	23.00
	25	LOW	Q16	20.63	20.64	20.66	22.50
		MID	Q16	20.61	20.62	20.60	22.50
		HIGH	Q16	20.68	20.61	20.68	22.50
50	LOW	Q16	20.59	20.61	20.60	22.50	
10	1	LOW	64QAM	20.51	21.11	20.76	22.50
		MID	64QAM	20.93	20.95	20.63	22.50
		HIGH	64QAM	20.78	20.99	20.55	22.50
	25	LOW	64QAM	19.58	19.57	19.77	21.50
		MID	64QAM	19.70	19.53	19.79	21.50
		HIGH	64QAM	19.68	19.56	19.65	21.50
50	LOW	64QAM	19.59	19.76	19.78	21.50	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.28	22.19	22.17	23.50
		MID	QPSK	22.36	22.16	22.32	23.50
		HIGH	QPSK	22.17	22.19	22.44	23.50
	12	LOW	QPSK	21.71	21.78	21.78	22.50
		MID	QPSK	21.82	21.61	21.82	22.50
		HIGH	QPSK	21.73	21.63	22.11	22.50
25	LOW	QPSK	21.79	21.82	22.03	22.50	
5	1	LOW	Q16	22.10	21.95	22.17	22.50
		MID	Q16	22.32	22.30	22.48	22.50
		HIGH	Q16	22.24	22.24	22.40	22.50
	12	LOW	Q16	20.88	20.69	20.85	21.50
		MID	Q16	20.64	20.71	20.97	21.50
		HIGH	Q16	20.82	20.88	21.00	21.50
25	LOW	Q16	20.65	20.65	20.83	21.50	
5	1	LOW	64QAM	21.46	21.01	21.19	21.50
		MID	64QAM	21.41	21.25	21.34	21.50
		HIGH	64QAM	21.29	20.92	21.43	21.50
	12	LOW	64QAM	19.58	19.80	19.77	20.50
		MID	64QAM	19.80	19.80	19.62	20.50
		HIGH	64QAM	19.67	19.56	19.68	20.50
25	LOW	64QAM	19.75	19.72	19.96	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.27	22.02	22.30	23.50
		MID	QPSK	22.23	22.26	22.27	23.50
		HIGH	QPSK	22.33	22.27	22.27	23.50
	25	LOW	QPSK	21.95	21.71	21.89	22.50
		MID	QPSK	21.92	21.76	21.99	22.50
		HIGH	QPSK	21.81	21.78	22.09	22.50
50	LOW	QPSK	21.88	21.59	21.86	22.50	
10	1	LOW	Q16	22.22	22.17	21.94	22.50
		MID	Q16	22.21	22.18	22.39	22.50
		HIGH	Q16	22.21	22.20	22.30	22.50
	25	LOW	Q16	20.71	20.85	20.69	21.50
		MID	Q16	20.73	20.62	20.98	21.50
		HIGH	Q16	20.73	20.75	20.81	21.50
50	LOW	Q16	20.85	20.72	20.96	21.50	
10	1	LOW	64QAM	21.42	21.22	21.10	21.50
		MID	64QAM	21.29	21.34	21.20	21.50
		HIGH	64QAM	21.39	20.93	21.21	21.50
	25	LOW	64QAM	19.64	19.74	19.79	20.50
		MID	64QAM	19.72	19.85	19.74	20.50
		HIGH	64QAM	19.51	19.47	19.71	20.50
50	LOW	64QAM	19.83	19.63	19.91	20.50	

LTE B7-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.45	22.23	22.30	23.50	
		MID	QPSK	22.36	22.28	22.47	23.50	
		HIGH	QPSK	22.29	22.33	22.29	23.50	
	36	LOW	QPSK	21.95	21.79	21.72	22.50	
		MID	QPSK	21.79	21.68	21.93	22.50	
		HIGH	QPSK	21.76	21.85	21.96	22.50	
	75	LOW	QPSK	21.88	21.74	21.82	22.50	
	15	1	LOW	Q16	22.34	21.97	22.19	22.50
			MID	Q16	22.37	22.15	22.28	22.50
HIGH			Q16	22.08	22.19	22.27	22.50	
36		LOW	Q16	20.93	20.80	20.79	21.50	
		MID	Q16	20.74	20.75	20.79	21.50	
		HIGH	Q16	20.55	20.61	20.82	21.50	
75		LOW	Q16	20.61	20.83	20.92	21.50	
15		1	LOW	64QAM	21.35	21.15	21.14	21.50
			MID	64QAM	21.23	21.41	21.28	21.50
	HIGH		64QAM	21.32	21.07	21.46	21.50	
	36	LOW	64QAM	19.85	19.59	19.75	20.50	
		MID	64QAM	19.57	19.81	19.71	20.50	
		HIGH	64QAM	19.77	19.66	19.82	20.50	
	75	LOW	64QAM	19.75	19.75	20.11	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.35	22.16	22.16	23.50
MID			QPSK	22.29	22.26	22.42	23.50	
HIGH			QPSK	22.24	22.27	22.42	23.50	
50		LOW	QPSK	21.86	21.72	21.81	22.50	
		MID	QPSK	21.80	21.74	21.92	22.50	
		HIGH	QPSK	21.72	21.72	22.02	22.50	
100		LOW	QPSK	21.76	21.70	21.88	22.50	
20		1	LOW	Q16	22.21	22.06	22.08	22.50
			MID	Q16	22.37	22.15	22.33	22.50
	HIGH		Q16	22.17	22.14	22.34	22.50	
	50	LOW	Q16	20.82	20.70	20.76	21.50	
		MID	Q16	20.75	20.75	20.86	21.50	
		HIGH	Q16	20.70	20.73	20.95	21.50	
	100	LOW	Q16	20.71	20.71	20.88	21.50	
	20	1	LOW	64QAM	21.50	21.13	21.23	21.50
			MID	64QAM	21.38	21.26	21.29	21.50
HIGH			64QAM	21.24	21.05	21.31	21.50	
50		LOW	64QAM	19.70	19.65	19.86	20.50	
		MID	64QAM	19.68	19.86	19.72	20.50	
		HIGH	64QAM	19.66	19.62	19.81	20.50	
100		LOW	64QAM	19.86	19.71	20.02	20.50	

LTE B7-State1&3-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dB m)
5	1	LOW	QPSK	20.34	20.16	20.07	21.50
		MID	QPSK	20.15	20.19	20.30	21.50
		HIGH	QPSK	20.29	20.29	20.36	21.50
	12	LOW	QPSK	20.18	20.32	20.15	21.50
		MID	QPSK	20.18	20.33	20.25	21.50
		HIGH	QPSK	20.25	20.26	20.57	21.50
25	LOW	QPSK	20.31	20.20	20.37	21.50	
5	1	LOW	Q16	20.60	20.41	20.85	21.50
		MID	Q16	20.63	20.60	20.97	21.50
		HIGH	Q16	20.62	20.69	20.89	21.50
	12	LOW	Q16	20.38	20.19	20.23	21.50
		MID	Q16	20.30	20.12	20.38	21.50
		HIGH	Q16	20.20	20.25	20.60	21.50
25	LOW	Q16	20.17	20.22	20.27	21.50	
5	1	LOW	64QAM	20.59	20.71	20.87	21.50
		MID	64QAM	20.51	20.56	21.03	21.50
		HIGH	64QAM	20.34	20.67	20.90	21.50
	12	LOW	64QAM	19.29	19.21	19.49	20.50
		MID	64QAM	19.25	19.30	19.30	20.50
		HIGH	64QAM	19.16	19.16	19.29	20.50
25	LOW	64QAM	19.21	19.16	19.30	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dB m)
10	1	LOW	QPSK	20.35	20.06	20.33	21.50
		MID	QPSK	20.11	20.23	20.41	21.50
		HIGH	QPSK	20.30	20.03	20.34	21.50
	25	LOW	QPSK	20.27	20.27	20.42	21.50
		MID	QPSK	20.16	20.21	20.34	21.50
		HIGH	QPSK	20.30	20.35	20.58	21.50
50	LOW	QPSK	20.23	20.24	20.30	21.50	
10	1	LOW	Q16	20.58	20.63	20.82	21.50
		MID	Q16	20.45	20.72	21.07	21.50
		HIGH	Q16	20.61	20.45	20.87	21.50
	25	LOW	Q16	20.32	20.07	20.26	21.50
		MID	Q16	20.34	20.32	20.56	21.50
		HIGH	Q16	20.12	20.07	20.49	21.50
50	LOW	Q16	20.29	20.25	20.42	21.50	
10	1	LOW	64QAM	20.38	20.56	20.60	21.50
		MID	64QAM	20.32	20.75	20.84	21.50
		HIGH	64QAM	20.34	20.65	20.87	21.50
	25	LOW	64QAM	19.53	19.03	19.45	20.50
		MID	64QAM	19.37	19.37	19.40	20.50
		HIGH	64QAM	19.15	19.13	19.47	20.50
50	LOW	64QAM	19.15	19.14	19.53	20.50	

LTE B7-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.44	20.19	20.13	21.50	
		MID	QPSK	20.14	20.15	20.49	21.50	
		HIGH	QPSK	20.12	20.17	20.36	21.50	
	36	LOW	QPSK	20.45	20.23	20.43	21.50	
		MID	QPSK	20.24	20.37	20.43	21.50	
		HIGH	QPSK	20.11	20.33	20.42	21.50	
	75	LOW	QPSK	20.25	20.40	20.27	21.50	
	15	1	LOW	Q16	20.46	20.43	20.60	21.50
			MID	Q16	20.41	20.77	20.99	21.50
HIGH			Q16	20.67	20.63	20.81	21.50	
36		LOW	Q16	20.41	20.25	20.44	21.50	
		MID	Q16	20.23	20.29	20.41	21.50	
		HIGH	Q16	20.29	20.09	20.45	21.50	
75		LOW	Q16	20.25	20.27	20.48	21.50	
15		1	LOW	64QAM	20.35	20.59	20.65	21.50
			MID	64QAM	20.44	20.73	20.91	21.50
	HIGH		64QAM	20.26	20.56	20.65	21.50	
	36	LOW	64QAM	19.45	19.06	19.41	20.50	
		MID	64QAM	19.18	19.34	19.36	20.50	
		HIGH	64QAM	19.21	19.37	19.39	20.50	
	75	LOW	64QAM	19.34	19.23	19.46	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.30	20.14	20.19	21.50
MID			QPSK	20.25	20.21	20.43	21.50	
HIGH			QPSK	20.23	20.18	20.40	21.50	
50		LOW	QPSK	20.32	20.24	20.30	21.50	
		MID	QPSK	20.28	20.27	20.36	21.50	
		HIGH	QPSK	20.23	20.25	20.44	21.50	
100		LOW	QPSK	20.26	20.25	20.35	21.50	
20		1	LOW	Q16	20.60	20.54	20.74	21.50
			MID	Q16	20.55	20.62	20.98	21.50
	HIGH		Q16	20.52	20.56	20.87	21.50	
	50	LOW	Q16	20.33	20.15	20.34	21.50	
		MID	Q16	20.29	20.20	20.42	21.50	
		HIGH	Q16	20.18	20.19	20.51	21.50	
	100	LOW	Q16	20.22	20.23	20.41	21.50	
	20	1	LOW	64QAM	20.45	20.61	20.74	21.50
			MID	64QAM	20.41	20.60	20.94	21.50
HIGH			64QAM	20.41	20.70	20.75	21.50	
50		LOW	64QAM	19.39	19.16	19.36	20.50	
		MID	64QAM	19.22	19.26	19.37	20.50	
		HIGH	64QAM	19.27	19.24	19.36	20.50	
100		LOW	64QAM	19.27	19.14	19.41	20.50	

LTE B7-State2 &4-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.45	22.14	22.03	23.50
		MID	QPSK	22.18	22.32	22.42	23.50
		HIGH	QPSK	22.26	22.28	22.34	23.50
	12	LOW	QPSK	21.71	21.81	21.85	22.50
		MID	QPSK	21.71	21.84	21.96	22.50
		HIGH	QPSK	21.66	21.79	22.01	22.50
25	LOW	QPSK	21.81	21.57	21.86	22.50	
5	1	LOW	Q16	22.22	22.11	22.12	22.50
		MID	Q16	22.43	22.19	22.19	22.50
		HIGH	Q16	22.10	22.24	22.19	22.50
	12	LOW	Q16	20.73	20.64	20.70	21.50
		MID	Q16	20.63	20.90	20.75	21.50
		HIGH	Q16	20.59	20.76	21.08	21.50
25	LOW	Q16	20.79	20.79	20.98	21.50	
5	1	LOW	64QAM	21.34	21.13	21.07	21.50
		MID	64QAM	21.48	21.12	21.36	21.50
		HIGH	64QAM	21.13	21.35	21.39	21.50
	12	LOW	64QAM	19.86	19.59	19.84	20.50
		MID	64QAM	19.90	19.93	19.90	20.50
		HIGH	64QAM	19.70	19.57	20.07	20.50
25	LOW	64QAM	19.67	19.58	20.15	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.23	22.23	22.11	23.50
		MID	QPSK	22.30	22.15	22.44	23.50
		HIGH	QPSK	22.26	22.15	22.54	23.50
	25	LOW	QPSK	21.99	21.76	21.88	22.50
		MID	QPSK	21.77	21.82	22.01	22.50
		HIGH	QPSK	21.69	21.86	22.10	22.50
50	LOW	QPSK	21.84	21.63	21.82	22.50	
10	1	LOW	Q16	22.00	22.10	22.08	22.50
		MID	Q16	22.32	22.06	22.22	22.50
		HIGH	Q16	22.02	22.04	22.38	22.50
	25	LOW	Q16	20.94	20.56	20.74	21.50
		MID	Q16	20.71	20.86	20.94	21.50
		HIGH	Q16	20.80	20.77	21.05	21.50
50	LOW	Q16	20.59	20.74	20.88	21.50	
10	1	LOW	64QAM	21.32	20.87	20.82	21.50
		MID	64QAM	21.12	20.99	21.30	21.50
		HIGH	64QAM	21.28	21.35	21.46	21.50
	25	LOW	64QAM	19.72	19.66	19.73	20.50
		MID	64QAM	19.90	19.76	19.91	20.50
		HIGH	64QAM	19.58	19.52	19.91	20.50
50	LOW	64QAM	19.76	19.58	20.15	20.50	

LTE B7-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.34	22.06	22.25	23.50
		MID	QPSK	22.31	22.29	22.32	23.50
		HIGH	QPSK	22.32	22.23	22.40	23.50
	36	LOW	QPSK	21.93	21.82	21.89	22.50
		MID	QPSK	21.88	21.83	21.85	22.50
		HIGH	QPSK	21.77	21.61	22.10	22.50
75	LOW	QPSK	21.77	21.84	21.93	22.50	
15	1	LOW	Q16	22.39	21.91	22.14	22.50
		MID	Q16	22.12	22.10	22.20	22.50
		HIGH	Q16	22.32	22.08	22.34	22.50
	36	LOW	Q16	20.72	20.70	20.66	21.50
		MID	Q16	20.81	20.63	20.71	21.50
		HIGH	Q16	20.70	20.83	21.01	21.50
75	LOW	Q16	20.62	20.84	20.94	21.50	
15	1	LOW	64QAM	21.42	20.91	20.89	21.50
		MID	64QAM	21.35	21.12	21.21	21.50
		HIGH	64QAM	21.16	21.23	21.38	21.50
	36	LOW	64QAM	19.88	19.69	19.79	20.50
		MID	64QAM	19.87	19.82	19.79	20.50
		HIGH	64QAM	19.72	19.58	20.00	20.50
75	LOW	64QAM	19.82	19.84	19.88	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.35	22.16	22.16	23.50
		MID	QPSK	22.29	22.26	22.42	23.50
		HIGH	QPSK	22.24	22.27	22.42	23.50
	50	LOW	QPSK	21.86	21.72	21.81	22.50
		MID	QPSK	21.80	21.74	21.92	22.50
		HIGH	QPSK	21.72	21.72	22.02	22.50
100	LOW	QPSK	21.76	21.70	21.88	22.50	
20	1	LOW	Q16	22.11	22.06	22.08	22.50
		MID	Q16	22.37	22.15	22.33	22.50
		HIGH	Q16	22.17	22.14	22.34	22.50
	50	LOW	Q16	20.82	20.70	20.76	21.50
		MID	Q16	20.75	20.75	20.86	21.50
		HIGH	Q16	20.70	20.73	20.95	21.50
100	LOW	Q16	20.71	20.71	20.88	21.50	
20	1	LOW	64QAM	21.39	20.99	20.93	21.50
		MID	64QAM	21.48	21.03	21.25	21.50
		HIGH	64QAM	21.28	21.25	21.35	21.50
	50	LOW	64QAM	19.87	19.74	19.77	20.50
		MID	64QAM	19.90	19.80	19.89	20.50
		HIGH	64QAM	19.63	19.66	19.94	20.50
100	LOW	64QAM	19.74	19.70	20.01	20.50	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.28	22.19	22.17	23.50	
		MID	QPSK	22.36	22.16	22.32	23.50	
		HIGH	QPSK	22.17	22.19	22.44	23.50	
	12	LOW	QPSK	21.71	21.78	21.78	22.50	
		MID	QPSK	21.82	21.61	21.82	22.50	
		HIGH	QPSK	21.73	21.63	22.11	22.50	
	25	LOW	QPSK	21.79	21.82	22.03	22.50	
	5	1	LOW	Q16	22.10	21.95	22.17	22.50
			MID	Q16	22.32	22.30	22.48	22.50
HIGH			Q16	22.24	22.24	22.40	22.50	
12		LOW	Q16	20.88	20.69	20.85	21.50	
		MID	Q16	20.64	20.71	20.97	21.50	
		HIGH	Q16	20.82	20.88	21.00	21.50	
25		LOW	Q16	20.65	20.65	20.83	21.50	
5		1	LOW	64QAM	21.46	21.01	21.19	21.50
			MID	64QAM	21.41	21.25	21.34	21.50
	HIGH		64QAM	21.29	20.92	21.43	21.50	
	12	LOW	64QAM	19.58	19.80	19.77	20.50	
		MID	64QAM	19.80	19.80	19.62	20.50	
		HIGH	64QAM	19.67	19.56	19.68	20.50	
	25	LOW	64QAM	19.75	19.72	19.96	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.27	22.02	22.30	23.50
MID			QPSK	22.23	22.26	22.27	23.50	
HIGH			QPSK	22.33	22.27	22.27	23.50	
25		LOW	QPSK	21.95	21.71	21.89	22.50	
		MID	QPSK	21.92	21.76	21.99	22.50	
		HIGH	QPSK	21.81	21.78	22.09	22.50	
50		LOW	QPSK	21.88	21.59	21.86	22.50	
10		1	LOW	Q16	22.22	22.17	21.94	22.50
			MID	Q16	22.21	22.18	22.39	22.50
	HIGH		Q16	22.21	22.20	22.30	22.50	
	25	LOW	Q16	20.71	20.85	20.69	21.50	
		MID	Q16	20.73	20.62	20.98	21.50	
		HIGH	Q16	20.73	20.75	20.81	21.50	
	50	LOW	Q16	20.85	20.72	20.96	21.50	
	10	1	LOW	64QAM	21.42	21.22	21.10	21.50
			MID	64QAM	21.29	21.34	21.20	21.50
HIGH			64QAM	21.39	20.93	21.21	21.50	
25		LOW	64QAM	19.64	19.74	19.79	20.50	
		MID	64QAM	19.72	19.85	19.74	20.50	
		HIGH	64QAM	19.51	19.47	19.71	20.50	
50		LOW	64QAM	19.83	19.63	19.91	20.50	

LTE B7-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.45	22.23	22.30	23.50	
		MID	QPSK	22.36	22.28	22.47	23.50	
		HIGH	QPSK	22.29	22.33	22.29	23.50	
	36	LOW	QPSK	21.95	21.79	21.72	22.50	
		MID	QPSK	21.79	21.68	21.93	22.50	
		HIGH	QPSK	21.76	21.85	21.96	22.50	
	75	LOW	QPSK	21.88	21.74	21.82	22.50	
	15	1	LOW	Q16	22.34	21.97	22.19	22.50
			MID	Q16	22.37	22.15	22.28	22.50
HIGH			Q16	22.08	22.19	22.27	22.50	
36		LOW	Q16	20.93	20.80	20.79	21.50	
		MID	Q16	20.74	20.75	20.79	21.50	
		HIGH	Q16	20.55	20.61	20.82	21.50	
75		LOW	Q16	20.61	20.83	20.92	21.50	
15		1	LOW	64QAM	21.35	21.15	21.14	21.50
			MID	64QAM	21.23	21.41	21.28	21.50
	HIGH		64QAM	21.32	21.07	21.46	21.50	
	36	LOW	64QAM	19.85	19.59	19.75	20.50	
		MID	64QAM	19.57	19.81	19.71	20.50	
		HIGH	64QAM	19.77	19.66	19.82	20.50	
	75	LOW	64QAM	19.75	19.75	20.11	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.35	22.16	22.16	23.50
MID			QPSK	22.29	22.26	22.42	23.50	
HIGH			QPSK	22.24	22.27	22.42	23.50	
50		LOW	QPSK	21.86	21.72	21.81	22.50	
		MID	QPSK	21.80	21.74	21.92	22.50	
		HIGH	QPSK	21.72	21.72	22.02	22.50	
100		LOW	QPSK	21.76	21.70	21.88	22.50	
20		1	LOW	Q16	22.21	22.06	22.08	22.50
			MID	Q16	22.37	22.15	22.33	22.50
	HIGH		Q16	22.17	22.14	22.34	22.50	
	50	LOW	Q16	20.82	20.70	20.76	21.50	
		MID	Q16	20.75	20.75	20.86	21.50	
		HIGH	Q16	20.70	20.73	20.95	21.50	
	100	LOW	Q16	20.71	20.71	20.88	21.50	
	20	1	LOW	64QAM	21.50	21.13	21.23	21.50
			MID	64QAM	21.38	21.26	21.29	21.50
HIGH			64QAM	21.24	21.05	21.31	21.50	
50		LOW	64QAM	19.70	19.65	19.86	20.50	
		MID	64QAM	19.68	19.86	19.72	20.50	
		HIGH	64QAM	19.66	19.62	19.81	20.50	
100		LOW	64QAM	19.86	19.71	20.02	20.50	

LTE B7-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.84	19.14	18.93	20.00	
		MID	QPSK	19.12	19.24	19.02	20.00	
		HIGH	QPSK	18.87	19.30	19.17	20.00	
	12	LOW	QPSK	18.99	18.87	18.79	20.00	
		MID	QPSK	19.10	18.92	19.03	20.00	
		HIGH	QPSK	19.01	18.88	18.94	20.00	
	25	LOW	QPSK	18.97	19.20	18.85	20.00	
	5	1	LOW	Q16	19.21	19.22	19.20	20.00
			MID	Q16	18.94	18.83	19.02	20.00
HIGH			Q16	19.00	19.12	19.10	20.00	
12		LOW	Q16	18.96	18.85	18.85	20.00	
		MID	Q16	19.21	18.93	18.94	20.00	
		HIGH	Q16	18.93	18.77	18.93	20.00	
25		LOW	Q16	19.03	18.91	19.16	20.00	
5		1	LOW	64QAM	19.03	19.19	19.07	20.00
			MID	64QAM	18.78	18.87	19.00	20.00
	HIGH		64QAM	18.88	19.15	18.89	20.00	
	12	LOW	64QAM	19.23	18.87	18.67	20.00	
		MID	64QAM	19.00	19.20	19.17	20.00	
		HIGH	64QAM	18.99	18.73	18.96	20.00	
	25	LOW	64QAM	18.98	18.92	18.98	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.83	19.13	18.94	20.00
MID			QPSK	19.07	19.20	19.08	20.00	
HIGH			QPSK	18.99	19.04	19.16	20.00	
25		LOW	QPSK	19.03	19.08	18.77	20.00	
		MID	QPSK	19.12	18.88	18.80	20.00	
		HIGH	QPSK	18.90	19.01	18.85	20.00	
50		LOW	QPSK	19.03	19.06	18.75	20.00	
10		1	LOW	Q16	19.10	19.17	19.14	20.00
			MID	Q16	19.09	18.94	19.20	20.00
	HIGH		Q16	18.97	19.24	19.04	20.00	
	25	LOW	Q16	19.23	18.96	19.05	20.00	
		MID	Q16	19.11	19.00	18.98	20.00	
		HIGH	Q16	18.93	18.97	18.90	20.00	
	50	LOW	Q16	19.18	18.92	19.21	20.00	
	10	1	LOW	64QAM	18.93	19.22	19.20	20.00
			MID	64QAM	18.80	18.67	18.98	20.00
HIGH			64QAM	19.08	19.01	18.99	20.00	
25		LOW	64QAM	19.08	19.01	18.87	20.00	
		MID	64QAM	18.95	19.07	18.99	20.00	
		HIGH	64QAM	19.07	18.82	18.78	20.00	
50		LOW	64QAM	18.85	18.99	19.24	20.00	

LTE B7-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	18.97	19.06	19.03	20.00	
		MID	QPSK	19.14	19.23	18.87	20.00	
		HIGH	QPSK	18.93	19.24	19.12	20.00	
	36	LOW	QPSK	19.04	18.79	19.00	20.00	
		MID	QPSK	19.10	19.13	19.07	20.00	
		HIGH	QPSK	19.01	18.76	19.05	20.00	
	75	LOW	QPSK	18.97	19.07	18.75	20.00	
	15	1	LOW	Q16	19.16	19.03	19.12	20.00
			MID	Q16	19.08	18.95	19.19	20.00
HIGH			Q16	19.08	19.08	18.95	20.00	
36		LOW	Q16	19.02	18.92	18.86	20.00	
		MID	Q16	18.97	18.97	18.87	20.00	
		HIGH	Q16	19.14	18.95	18.81	20.00	
75		LOW	Q16	18.99	18.88	19.06	20.00	
15		1	LOW	64QAM	18.96	19.26	19.09	20.00
			MID	64QAM	18.84	18.94	19.09	20.00
	HIGH		64QAM	19.01	19.06	18.93	20.00	
	36	LOW	64QAM	19.07	18.75	18.73	20.00	
		MID	64QAM	19.03	19.15	19.00	20.00	
		HIGH	64QAM	18.89	18.84	19.02	20.00	
	75	LOW	64QAM	18.89	19.13	18.96	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.91	19.02	18.99	20.00
MID			QPSK	19.08	19.10	18.94	20.00	
HIGH			QPSK	19.01	19.15	19.05	20.00	
50		LOW	QPSK	19.09	18.94	18.89	20.00	
		MID	QPSK	19.07	19.00	18.92	20.00	
		HIGH	QPSK	18.97	18.87	18.90	20.00	
100		LOW	QPSK	19.00	19.10	18.90	20.00	
20		1	LOW	Q16	19.14	19.07	19.15	20.00
			MID	Q16	18.99	18.92	19.05	20.00
	HIGH		Q16	18.97	19.09	18.96	20.00	
	50	LOW	Q16	19.08	18.86	18.96	20.00	
		MID	Q16	19.11	19.01	19.01	20.00	
		HIGH	Q16	19.01	18.85	18.85	20.00	
	100	LOW	Q16	19.03	18.97	19.12	20.00	
	20	1	LOW	64QAM	19.02	19.13	19.05	20.00
			MID	64QAM	18.93	18.80	19.03	20.00
HIGH			64QAM	18.94	19.11	18.85	20.00	
50		LOW	64QAM	19.16	18.88	18.81	20.00	
		MID	64QAM	19.00	19.15	19.10	20.00	
		HIGH	64QAM	18.94	18.70	18.88	20.00	
100		LOW	64QAM	18.95	19.05	19.10	20.00	

LTE B7-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.28	22.19	22.17	23.50	
		MID	QPSK	22.36	22.16	22.32	23.50	
		HIGH	QPSK	22.17	22.19	22.44	23.50	
	12	LOW	QPSK	21.71	21.78	21.78	22.50	
		MID	QPSK	21.82	21.61	21.82	22.50	
		HIGH	QPSK	21.73	21.63	22.11	22.50	
	25	LOW	QPSK	21.79	21.82	22.03	22.50	
	5	1	LOW	Q16	22.10	21.95	22.17	22.50
			MID	Q16	22.32	22.30	22.48	22.50
HIGH			Q16	22.24	22.24	22.40	22.50	
12		LOW	Q16	20.88	20.69	20.85	21.50	
		MID	Q16	20.64	20.71	20.97	21.50	
		HIGH	Q16	20.82	20.88	21.00	21.50	
25		LOW	Q16	20.65	20.65	20.83	21.50	
5		1	LOW	64QAM	21.46	21.01	21.19	21.50
			MID	64QAM	21.41	21.25	21.34	21.50
	HIGH		64QAM	21.29	20.92	21.43	21.50	
	12	LOW	64QAM	19.58	19.80	19.77	20.50	
		MID	64QAM	19.80	19.80	19.62	20.50	
		HIGH	64QAM	19.67	19.56	19.68	20.50	
	25	LOW	64QAM	19.75	19.72	19.96	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.27	22.02	22.30	23.50
MID			QPSK	22.23	22.26	22.27	23.50	
HIGH			QPSK	22.33	22.27	22.27	23.50	
25		LOW	QPSK	21.95	21.71	21.89	22.50	
		MID	QPSK	21.92	21.76	21.99	22.50	
		HIGH	QPSK	21.81	21.78	22.09	22.50	
50		LOW	QPSK	21.88	21.59	21.86	22.50	
10		1	LOW	Q16	22.22	22.17	21.94	22.50
			MID	Q16	22.21	22.18	22.39	22.50
	HIGH		Q16	22.21	22.20	22.30	22.50	
	25	LOW	Q16	20.71	20.85	20.69	21.50	
		MID	Q16	20.73	20.62	20.98	21.50	
		HIGH	Q16	20.73	20.75	20.81	21.50	
	50	LOW	Q16	20.85	20.72	20.96	21.50	
	10	1	LOW	64QAM	21.42	21.22	21.10	21.50
			MID	64QAM	21.29	21.34	21.20	21.50
HIGH			64QAM	21.39	20.93	21.21	21.50	
25		LOW	64QAM	19.64	19.74	19.79	20.50	
		MID	64QAM	19.72	19.85	19.74	20.50	
		HIGH	64QAM	19.51	19.47	19.71	20.50	
50		LOW	64QAM	19.83	19.63	19.91	20.50	

LTE B7-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.45	22.23	22.30	23.50	
		MID	QPSK	22.36	22.28	22.47	23.50	
		HIGH	QPSK	22.29	22.33	22.29	23.50	
	36	LOW	QPSK	21.95	21.79	21.72	22.50	
		MID	QPSK	21.79	21.68	21.93	22.50	
		HIGH	QPSK	21.76	21.85	21.96	22.50	
	75	LOW	QPSK	21.88	21.74	21.82	22.50	
	15	1	LOW	Q16	22.34	21.97	22.19	22.50
			MID	Q16	22.37	22.15	22.28	22.50
HIGH			Q16	22.08	22.19	22.27	22.50	
36		LOW	Q16	20.93	20.80	20.79	21.50	
		MID	Q16	20.74	20.75	20.79	21.50	
		HIGH	Q16	20.55	20.61	20.82	21.50	
75		LOW	Q16	20.61	20.83	20.92	21.50	
15		1	LOW	64QAM	21.35	21.15	21.14	21.50
			MID	64QAM	21.23	21.41	21.28	21.50
	HIGH		64QAM	21.32	21.07	21.46	21.50	
	36	LOW	64QAM	19.85	19.59	19.75	20.50	
		MID	64QAM	19.57	19.81	19.71	20.50	
		HIGH	64QAM	19.77	19.66	19.82	20.50	
	75	LOW	64QAM	19.75	19.75	20.11	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.35	22.16	22.16	23.50
MID			QPSK	22.29	22.26	22.42	23.50	
HIGH			QPSK	22.24	22.27	22.42	23.50	
50		LOW	QPSK	21.86	21.72	21.81	22.50	
		MID	QPSK	21.80	21.74	21.92	22.50	
		HIGH	QPSK	21.72	21.72	22.02	22.50	
100		LOW	QPSK	21.76	21.70	21.88	22.50	
20		1	LOW	Q16	22.21	22.06	22.08	22.50
			MID	Q16	22.37	22.15	22.33	22.50
	HIGH		Q16	22.17	22.14	22.34	22.50	
	50	LOW	Q16	20.82	20.70	20.76	21.50	
		MID	Q16	20.75	20.75	20.86	21.50	
		HIGH	Q16	20.70	20.73	20.95	21.50	
	100	LOW	Q16	20.71	20.71	20.88	21.50	
	20	1	LOW	64QAM	21.50	21.13	21.23	21.50
			MID	64QAM	21.38	21.26	21.29	21.50
HIGH			64QAM	21.24	21.05	21.31	21.50	
50		LOW	64QAM	19.70	19.65	19.86	20.50	
		MID	64QAM	19.68	19.86	19.72	20.50	
		HIGH	64QAM	19.66	19.62	19.81	20.50	
100		LOW	64QAM	19.86	19.71	20.02	20.50	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.53	22.05	22.24	23.50
		MID	QPSK	22.45	22.17	22.40	23.50
		HIGH	QPSK	22.38	22.30	22.29	23.50
	12	LOW	QPSK	22.00	21.76	21.79	22.50
		MID	QPSK	21.75	21.73	21.76	22.50
		HIGH	QPSK	21.81	21.61	21.99	22.50
25	LOW	QPSK	21.90	21.77	21.88	22.50	
5	1	LOW	Q16	22.37	22.05	22.15	22.50
		MID	Q16	22.26	22.19	22.35	22.50
		HIGH	Q16	22.32	22.00	22.34	22.50
	12	LOW	Q16	21.00	20.63	20.60	21.50
		MID	Q16	20.89	20.79	20.70	21.50
		HIGH	Q16	20.56	20.60	20.99	21.50
25	LOW	Q16	20.78	20.80	20.78	21.50	
5	1	LOW	64QAM	21.31	21.14	21.05	21.50
		MID	64QAM	21.44	21.28	21.24	21.50
		HIGH	64QAM	21.43	21.22	21.23	21.50
	12	LOW	64QAM	19.92	19.67	19.80	20.50
		MID	64QAM	19.99	19.61	19.72	20.50
		HIGH	64QAM	19.64	19.65	19.80	20.50
25	LOW	64QAM	19.72	19.68	19.62	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.44	22.24	22.18	23.50
		MID	QPSK	22.42	22.28	22.31	23.50
		HIGH	QPSK	22.10	22.31	22.18	23.50
	25	LOW	QPSK	21.99	21.65	21.86	22.50
		MID	QPSK	21.79	21.67	21.82	22.50
		HIGH	QPSK	21.58	21.67	22.00	22.50
50	LOW	QPSK	21.78	21.68	21.91	22.50	
10	1	LOW	Q16	22.39	22.09	21.89	22.50
		MID	Q16	22.36	22.23	22.15	22.50
		HIGH	Q16	22.37	22.10	22.22	22.50
	25	LOW	Q16	21.01	20.51	20.81	21.50
		MID	Q16	20.86	20.70	20.70	21.50
		HIGH	Q16	20.60	20.69	20.90	21.50
50	LOW	Q16	20.81	20.79	20.84	21.50	
10	1	LOW	64QAM	21.26	21.06	21.08	21.50
		MID	64QAM	21.30	21.29	21.25	21.50
		HIGH	64QAM	21.25	21.12	21.09	21.50
	25	LOW	64QAM	20.08	19.58	19.79	20.50
		MID	64QAM	20.01	19.69	19.86	20.50
		HIGH	64QAM	19.66	19.62	19.79	20.50
50	LOW	64QAM	19.83	19.53	19.85	20.50	

LTE B7-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.33	22.05	22.05	23.50
		MID	QPSK	22.17	22.32	22.42	23.50
		HIGH	QPSK	22.21	22.18	22.43	23.50
	36	LOW	QPSK	21.90	21.80	21.65	22.50
		MID	QPSK	21.90	21.88	21.88	22.50
		HIGH	QPSK	21.64	21.65	21.97	22.50
75	LOW	QPSK	21.89	21.67	21.85	22.50	
15	1	LOW	Q16	22.43	21.98	22.00	22.50
		MID	Q16	22.28	22.15	22.37	22.50
		HIGH	Q16	22.19	22.17	22.15	22.50
	36	LOW	Q16	20.90	20.68	20.63	21.50
		MID	Q16	20.70	20.62	20.72	21.50
		HIGH	Q16	20.61	20.70	20.84	21.50
75	LOW	Q16	20.75	20.61	20.87	21.50	
15	1	LOW	64QAM	21.44	21.03	20.93	21.50
		MID	64QAM	21.40	21.11	21.35	21.50
		HIGH	64QAM	21.43	21.21	21.35	21.50
	36	LOW	64QAM	19.86	19.70	19.74	20.50
		MID	64QAM	19.95	19.68	19.88	20.50
		HIGH	64QAM	19.56	19.81	19.85	20.50
75	LOW	64QAM	19.49	19.44	19.81	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.39	22.16	22.10	23.50
		MID	QPSK	22.31	22.25	22.31	23.50
		HIGH	QPSK	22.24	22.23	22.33	23.50
	50	LOW	QPSK	21.89	21.67	21.77	22.50
		MID	QPSK	21.81	21.73	21.83	22.50
		HIGH	QPSK	21.71	21.74	21.88	22.50
100	LOW	QPSK	21.77	21.71	21.82	22.50	
20	1	LOW	Q16	22.46	22.09	22.01	22.50
		MID	Q16	22.35	22.14	22.25	22.50
		HIGH	Q16	22.33	22.12	22.24	22.50
	50	LOW	Q16	20.87	20.66	20.71	21.50
		MID	Q16	20.80	20.72	20.79	21.50
		HIGH	Q16	20.69	20.73	20.85	21.50
100	LOW	Q16	20.76	20.69	20.80	21.50	
20	1	LOW	64QAM	21.21	21.03	20.90	21.50
		MID	64QAM	21.31	21.26	21.27	21.50
		HIGH	64QAM	21.46	21.09	21.38	21.50
	50	LOW	64QAM	19.92	19.59	19.85	20.50
		MID	64QAM	19.89	19.74	19.89	20.50
		HIGH	64QAM	19.55	19.80	19.78	20.50
100	LOW	64QAM	19.64	19.55	19.73	20.50	

LTE B7-State1&3-Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.65	17.51	17.66	19.00
		MID	QPSK	17.64	17.75	17.82	19.00
		HIGH	QPSK	17.70	17.62	17.66	19.00
	12	LOW	QPSK	17.77	17.74	17.87	19.00
		MID	QPSK	17.70	17.89	17.69	19.00
		HIGH	QPSK	17.49	17.66	17.93	19.00
25	LOW	QPSK	17.79	17.59	17.74	19.00	
5	1	LOW	Q16	18.11	17.96	18.18	19.00
		MID	Q16	18.09	18.30	18.40	19.00
		HIGH	Q16	17.91	18.22	18.46	19.00
	12	LOW	Q16	17.61	17.62	17.89	19.00
		MID	Q16	17.84	17.64	17.87	19.00
		HIGH	Q16	17.79	17.67	17.79	19.00
25	LOW	Q16	17.61	17.75	17.75	19.00	
5	1	LOW	64QAM	18.06	17.94	18.46	19.00
		MID	64QAM	18.06	18.18	18.38	19.00
		HIGH	64QAM	18.03	18.24	18.38	19.00
	12	LOW	64QAM	17.53	17.87	17.79	19.00
		MID	64QAM	17.72	17.84	17.59	19.00
		HIGH	64QAM	17.67	17.71	17.84	19.00
25	LOW	64QAM	17.46	17.60	17.67	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.69	17.69	17.82	19.00
		MID	QPSK	17.78	17.79	17.68	19.00
		HIGH	QPSK	17.51	17.69	17.78	19.00
	25	LOW	QPSK	17.61	17.88	17.66	19.00
		MID	QPSK	17.66	17.68	17.76	19.00
		HIGH	QPSK	17.70	17.87	17.79	19.00
50	LOW	QPSK	17.59	17.80	17.63	19.00	
10	1	LOW	Q16	17.88	18.10	18.10	19.00
		MID	Q16	18.11	18.14	18.25	19.00
		HIGH	Q16	17.93	18.23	18.25	19.00
	25	LOW	Q16	17.82	17.63	17.75	19.00
		MID	Q16	17.82	17.70	17.72	19.00
		HIGH	Q16	17.54	17.78	17.66	19.00
50	LOW	Q16	17.58	17.80	17.86	19.00	
10	1	LOW	64QAM	18.14	17.97	18.38	19.00
		MID	64QAM	18.09	18.20	18.38	19.00
		HIGH	64QAM	18.11	18.10	18.22	19.00
	25	LOW	64QAM	17.54	17.82	17.93	19.00
		MID	64QAM	17.66	17.72	17.56	19.00
		HIGH	64QAM	17.78	17.69	17.83	19.00
50	LOW	64QAM	17.72	17.69	17.81	19.00	

LTE B7-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.55	17.54	17.62	19.00	
		MID	QPSK	17.55	17.89	17.69	19.00	
		HIGH	QPSK	17.66	17.71	17.69	19.00	
	36	LOW	QPSK	17.54	17.66	17.81	19.00	
		MID	QPSK	17.68	17.63	17.72	19.00	
		HIGH	QPSK	17.59	17.89	17.74	19.00	
	75	LOW	QPSK	17.55	17.69	17.84	19.00	
	15	1	LOW	Q16	17.90	18.05	18.09	19.00
			MID	Q16	17.83	18.20	18.48	19.00
HIGH			Q16	18.02	18.04	18.28	19.00	
36		LOW	Q16	17.76	17.68	17.85	19.00	
		MID	Q16	17.80	17.79	17.83	19.00	
		HIGH	Q16	17.63	17.65	17.84	19.00	
75		LOW	Q16	17.65	17.72	17.81	19.00	
15		1	LOW	64QAM	18.12	18.05	18.23	19.00
			MID	64QAM	18.12	17.99	18.55	19.00
	HIGH		64QAM	17.98	18.22	18.32	19.00	
	36	LOW	64QAM	17.65	17.84	17.94	19.00	
		MID	64QAM	17.73	17.78	17.53	19.00	
		HIGH	64QAM	17.62	17.64	17.80	19.00	
	75	LOW	64QAM	17.45	17.70	17.76	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.70	17.59	17.70	19.00
MID			QPSK	17.67	17.77	17.81	19.00	
HIGH			QPSK	17.64	17.68	17.74	19.00	
50		LOW	QPSK	17.69	17.75	17.77	19.00	
		MID	QPSK	17.70	17.77	17.80	19.00	
		HIGH	QPSK	17.63	17.78	17.78	19.00	
100		LOW	QPSK	17.65	17.73	17.75	19.00	
20		1	LOW	Q16	18.01	18.03	18.24	19.00
			MID	Q16	17.98	18.19	18.36	19.00
	HIGH		Q16	17.95	18.11	18.36	19.00	
	50	LOW	Q16	17.72	17.69	17.77	19.00	
		MID	Q16	17.69	17.73	17.81	19.00	
		HIGH	Q16	17.64	17.74	17.80	19.00	
	100	LOW	Q16	17.66	17.72	17.78	19.00	
	20	1	LOW	64QAM	18.06	18.05	18.37	19.00
			MID	64QAM	18.11	18.09	18.41	19.00
HIGH			64QAM	17.98	18.17	18.34	19.00	
50		LOW	64QAM	17.66	17.73	17.91	19.00	
		MID	64QAM	17.76	17.84	17.66	19.00	
		HIGH	64QAM	17.74	17.66	17.81	19.00	
100		LOW	64QAM	17.60	17.73	17.77	19.00	

LTE B7-State2&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	16.70	16.60	16.70	18.00
		MID	QPSK	16.63	16.73	16.59	18.00
		HIGH	QPSK	16.48	16.62	16.64	18.00
	12	LOW	QPSK	16.81	16.57	16.87	18.00
		MID	QPSK	16.57	16.77	16.69	18.00
		HIGH	QPSK	16.59	16.67	16.76	18.00
25	LOW	QPSK	16.64	16.64	16.74	18.00	
5	1	LOW	Q16	17.32	16.91	17.27	18.00
		MID	Q16	17.37	17.30	17.12	18.00
		HIGH	Q16	17.23	17.00	17.00	18.00
	12	LOW	Q16	16.72	16.82	16.56	18.00
		MID	Q16	16.78	16.64	16.59	18.00
		HIGH	Q16	16.54	16.68	16.73	18.00
25	LOW	Q16	16.58	16.82	16.70	18.00	
5	1	LOW	64QAM	17.15	16.87	17.08	18.00
		MID	64QAM	17.49	16.99	17.06	18.00
		HIGH	64QAM	17.40	17.32	17.06	18.00
	12	LOW	64QAM	16.69	16.83	16.67	18.00
		MID	64QAM	16.86	16.65	16.76	18.00
		HIGH	64QAM	16.69	16.84	16.46	18.00
25	LOW	64QAM	16.60	16.73	16.59	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	16.51	16.70	16.63	18.00
		MID	QPSK	16.69	16.83	16.83	18.00
		HIGH	QPSK	16.58	16.64	16.82	18.00
	25	LOW	QPSK	16.59	16.61	16.83	18.00
		MID	QPSK	16.66	16.75	16.89	18.00
		HIGH	QPSK	16.67	16.88	16.72	18.00
50	LOW	QPSK	16.56	16.86	16.77	18.00	
10	1	LOW	Q16	17.21	16.96	17.00	18.00
		MID	Q16	17.14	17.35	17.19	18.00
		HIGH	Q16	17.09	17.23	17.20	18.00
	25	LOW	Q16	16.62	16.67	16.68	18.00
		MID	Q16	16.68	16.85	16.58	18.00
		HIGH	Q16	16.53	16.87	16.77	18.00
50	LOW	Q16	16.75	16.76	16.71	18.00	
10	1	LOW	64QAM	17.05	16.88	16.93	18.00
		MID	64QAM	17.48	16.98	16.91	18.00
		HIGH	64QAM	17.39	17.08	17.18	18.00
	25	LOW	64QAM	16.64	16.65	16.86	18.00
		MID	64QAM	16.75	16.83	16.92	18.00
		HIGH	64QAM	16.71	16.83	16.70	18.00
50	LOW	64QAM	16.61	16.85	16.56	18.00	

LTE B7-State2&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	16.50	16.69	16.67	18.00
		MID	QPSK	16.54	16.93	16.59	18.00
		HIGH	QPSK	16.56	16.56	16.52	18.00
	36	LOW	QPSK	16.70	16.83	16.74	18.00
		MID	QPSK	16.62	16.61	16.78	18.00
		HIGH	QPSK	16.57	16.59	16.79	18.00
75	LOW	QPSK	16.77	16.75	16.76	18.00	
15	1	LOW	Q16	17.17	16.98	17.17	18.00
		MID	Q16	17.12	17.23	17.06	18.00
		HIGH	Q16	17.11	16.96	17.14	18.00
	36	LOW	Q16	16.56	16.74	16.56	18.00
		MID	Q16	16.55	16.65	16.86	18.00
		HIGH	Q16	16.50	16.81	16.85	18.00
75	LOW	Q16	16.67	16.60	16.75	18.00	
15	1	LOW	64QAM	17.45	17.14	16.85	18.00
		MID	64QAM	17.24	17.08	17.26	18.00
		HIGH	64QAM	17.17	17.32	17.01	18.00
	36	LOW	64QAM	16.64	16.84	16.84	18.00
		MID	64QAM	16.64	16.59	16.60	18.00
		HIGH	64QAM	16.47	16.96	16.75	18.00
75	LOW	64QAM	16.78	16.63	16.74	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	16.65	16.62	16.63	18.00
		MID	QPSK	16.66	16.81	16.70	18.00
		HIGH	QPSK	16.57	16.70	16.67	18.00
	50	LOW	QPSK	16.67	16.68	16.73	18.00
		MID	QPSK	16.66	16.79	16.74	18.00
		HIGH	QPSK	16.58	16.73	16.75	18.00
100	LOW	QPSK	16.62	16.73	16.71	18.00	
20	1	LOW	Q16	17.25	17.02	17.12	18.00
		MID	Q16	17.26	17.22	17.14	18.00
		HIGH	Q16	17.22	17.08	17.12	18.00
	50	LOW	Q16	16.69	16.71	16.69	18.00
		MID	Q16	16.69	16.76	16.72	18.00
		HIGH	Q16	16.61	16.76	16.71	18.00
100	LOW	Q16	16.66	16.70	16.73	18.00	
20	1	LOW	64QAM	17.36	17.11	16.98	18.00
		MID	64QAM	17.34	17.14	17.27	18.00
		HIGH	64QAM	17.20	17.18	17.16	18.00
	50	LOW	64QAM	16.68	16.74	16.83	18.00
		MID	64QAM	16.66	16.70	16.71	18.00
		HIGH	64QAM	16.52	16.86	16.84	18.00
100	LOW	64QAM	16.70	16.73	16.81	18.00	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.38	20.94	20.67	22.50	
		MID	QPSK	21.05	20.80	20.63	22.50	
		HIGH	QPSK	21.20	20.64	20.64	22.50	
	12	LOW	QPSK	20.79	20.26	20.18	21.50	
		MID	QPSK	20.63	20.34	20.09	21.50	
		HIGH	QPSK	20.61	20.37	20.31	21.50	
	25	LOW	QPSK	20.60	20.42	20.10	21.50	
	5	1	LOW	Q16	21.17	20.60	20.39	21.50
			MID	Q16	21.26	20.78	20.43	21.50
HIGH			Q16	20.93	20.60	20.56	21.50	
12		LOW	Q16	19.55	19.29	18.94	20.50	
		MID	Q16	19.65	19.29	18.95	20.50	
		HIGH	Q16	19.64	19.22	19.00	20.50	
25		LOW	Q16	19.61	19.34	18.98	20.50	
5		1	LOW	64QAM	20.48	19.84	19.41	20.50
			MID	64QAM	20.14	19.72	19.81	20.50
	HIGH		64QAM	20.02	19.67	19.40	20.50	
	12	LOW	64QAM	18.64	18.12	18.05	19.50	
		MID	64QAM	18.66	18.50	18.17	19.50	
		HIGH	64QAM	18.51	18.43	17.88	19.50	
	25	LOW	64QAM	18.60	18.17	18.22	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.40	20.87	20.71	22.50
MID			QPSK	21.24	20.98	20.59	22.50	
HIGH			QPSK	21.19	20.87	20.50	22.50	
25		LOW	QPSK	20.64	20.40	20.09	21.50	
		MID	QPSK	20.63	20.41	20.14	21.50	
		HIGH	QPSK	20.69	20.34	20.13	21.50	
50		LOW	QPSK	20.63	20.20	20.09	21.50	
10		1	LOW	Q16	21.20	20.80	20.31	21.50
			MID	Q16	21.29	20.88	20.48	21.50
	HIGH		Q16	21.01	20.66	20.37	21.50	
	25	LOW	Q16	19.47	19.36	19.03	20.50	
		MID	Q16	19.60	19.31	19.19	20.50	
		HIGH	Q16	19.49	19.42	19.06	20.50	
	50	LOW	Q16	19.63	19.15	19.02	20.50	
	10	1	LOW	64QAM	20.27	19.61	19.47	20.50
			MID	64QAM	20.15	19.79	19.76	20.50
HIGH			64QAM	20.02	19.66	19.40	20.50	
25		LOW	64QAM	18.72	18.32	17.90	19.50	
		MID	64QAM	18.67	18.27	18.12	19.50	
		HIGH	64QAM	18.49	18.56	17.97	19.50	
50		LOW	64QAM	18.52	18.40	18.12	19.50	

LTE B7-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.29	20.89	20.58	22.50	
		MID	QPSK	21.26	20.91	20.71	22.50	
		HIGH	QPSK	21.07	20.80	20.59	22.50	
	36	LOW	QPSK	20.83	20.44	20.15	21.50	
		MID	QPSK	20.54	20.46	20.10	21.50	
		HIGH	QPSK	20.67	20.16	20.21	21.50	
	75	LOW	QPSK	20.50	20.30	20.22	21.50	
	15	1	LOW	Q16	21.39	20.65	20.51	21.50
			MID	Q16	21.25	20.66	20.47	21.50
HIGH			Q16	20.91	20.56	20.58	21.50	
36		LOW	Q16	19.70	19.17	18.95	20.50	
		MID	Q16	19.48	19.34	19.23	20.50	
		HIGH	Q16	19.52	19.24	18.98	20.50	
75		LOW	Q16	19.42	19.35	19.23	20.50	
15		1	LOW	64QAM	20.42	19.88	19.54	20.50
			MID	64QAM	20.19	19.61	19.68	20.50
	HIGH		64QAM	20.10	19.44	19.65	20.50	
	36	LOW	64QAM	18.88	18.23	18.05	19.50	
		MID	64QAM	18.81	18.31	18.00	19.50	
		HIGH	64QAM	18.68	18.33	17.84	19.50	
	75	LOW	64QAM	18.68	18.26	17.93	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	21.26	20.91	20.56	22.50
MID			QPSK	21.19	20.86	20.68	22.50	
HIGH			QPSK	21.17	20.75	20.57	22.50	
50		LOW	QPSK	20.74	20.38	20.13	21.50	
		MID	QPSK	20.63	20.37	20.16	21.50	
		HIGH	QPSK	20.54	20.28	20.19	21.50	
100		LOW	QPSK	20.56	20.33	20.14	21.50	
20		1	LOW	Q16	21.25	20.74	20.41	21.50
			MID	Q16	21.14	20.75	20.58	21.50
	HIGH		Q16	21.03	20.62	20.44	21.50	
	50	LOW	Q16	19.62	19.32	19.05	20.50	
		MID	Q16	19.55	19.33	19.08	20.50	
		HIGH	Q16	19.50	19.28	19.11	20.50	
	100	LOW	Q16	19.53	19.28	19.08	20.50	
	20	1	LOW	64QAM	20.39	19.74	19.41	20.50
			MID	64QAM	20.08	19.73	19.71	20.50
HIGH			64QAM	19.95	19.57	19.55	20.50	
50		LOW	64QAM	18.76	18.23	17.93	19.50	
		MID	64QAM	18.66	18.42	18.11	19.50	
		HIGH	64QAM	18.57	18.42	17.99	19.50	
100		LOW	64QAM	18.55	18.31	18.08	19.50	

LTE B7-State1&3-Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dB m)	
5	1	LOW	QPSK	16.73	16.67	16.18	18.00	
		MID	QPSK	16.80	16.62	16.09	18.00	
		HIGH	QPSK	16.55	16.50	16.16	18.00	
	12	LOW	QPSK	16.75	16.51	16.37	18.00	
		MID	QPSK	16.63	16.55	16.32	18.00	
		HIGH	QPSK	16.58	16.42	16.23	18.00	
	25	LOW	QPSK	16.63	16.68	16.17	18.00	
	5	1	LOW	Q16	17.22	16.95	16.56	18.00
			MID	Q16	17.21	17.06	16.78	18.00
HIGH			Q16	17.04	16.65	16.52	18.00	
12		LOW	Q16	16.67	16.67	16.14	18.00	
		MID	Q16	16.56	16.75	16.17	18.00	
		HIGH	Q16	16.54	16.59	16.08	18.00	
25		LOW	Q16	16.55	16.56	16.21	18.00	
5		1	LOW	64QAM	17.38	16.94	16.91	18.00
			MID	64QAM	17.46	17.05	16.43	18.00
	HIGH		64QAM	17.45	16.74	16.70	18.00	
	12	LOW	64QAM	16.52	16.89	16.36	18.00	
		MID	64QAM	16.77	16.73	16.43	18.00	
		HIGH	64QAM	16.59	16.48	16.31	18.00	
	25	LOW	64QAM	16.61	16.59	16.32	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dB m)
	10	1	LOW	QPSK	16.74	16.51	16.33	18.00
MID			QPSK	16.70	16.61	16.30	18.00	
HIGH			QPSK	16.60	16.30	16.20	18.00	
25		LOW	QPSK	16.55	16.71	16.21	18.00	
		MID	QPSK	16.53	16.71	16.39	18.00	
		HIGH	QPSK	16.71	16.59	16.30	18.00	
50		LOW	QPSK	16.69	16.64	16.29	18.00	
10		1	LOW	Q16	17.16	16.69	16.81	18.00
			MID	Q16	17.34	16.80	16.70	18.00
	HIGH		Q16	17.11	16.76	16.58	18.00	
	25	LOW	Q16	16.61	16.65	16.32	18.00	
		MID	Q16	16.78	16.72	16.20	18.00	
		HIGH	Q16	16.72	16.41	16.27	18.00	
	50	LOW	Q16	16.60	16.40	16.29	18.00	
	10	1	LOW	64QAM	17.23	16.79	16.89	18.00
			MID	64QAM	17.25	16.92	16.52	18.00
HIGH			64QAM	17.32	16.80	16.47	18.00	
25		LOW	64QAM	16.71	16.63	16.31	18.00	
		MID	64QAM	16.68	16.82	16.33	18.00	
		HIGH	64QAM	16.55	16.45	16.23	18.00	
50		LOW	64QAM	16.62	16.54	16.12	18.00	

LTE B7-State1 &3-Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	16.60	16.68	16.21	18.00	
		MID	QPSK	16.54	16.71	16.29	18.00	
		HIGH	QPSK	16.62	16.54	16.02	18.00	
	36	LOW	QPSK	16.78	16.66	16.26	18.00	
		MID	QPSK	16.79	16.70	16.35	18.00	
		HIGH	QPSK	16.55	16.52	16.31	18.00	
	75	LOW	QPSK	16.74	16.63	16.28	18.00	
	15	1	LOW	Q16	17.14	16.96	16.75	18.00
			MID	Q16	17.23	16.89	16.49	18.00
HIGH			Q16	17.11	16.63	16.56	18.00	
36		LOW	Q16	16.78	16.72	16.40	18.00	
		MID	Q16	16.80	16.70	16.19	18.00	
		HIGH	Q16	16.50	16.46	16.26	18.00	
75		LOW	Q16	16.57	16.57	16.28	18.00	
15		1	LOW	64QAM	17.26	16.70	16.84	18.00
			MID	64QAM	17.34	16.92	16.60	18.00
	HIGH		64QAM	17.43	16.90	16.70	18.00	
	36	LOW	64QAM	16.71	16.85	16.17	18.00	
		MID	64QAM	16.47	16.65	16.31	18.00	
		HIGH	64QAM	16.70	16.30	16.14	18.00	
	75	LOW	64QAM	16.60	16.58	16.32	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.64	16.54	16.30	18.00
MID			QPSK	16.68	16.63	16.24	18.00	
HIGH			QPSK	16.62	16.45	16.07	18.00	
50		LOW	QPSK	16.66	16.57	16.29	18.00	
		MID	QPSK	16.65	16.57	16.30	18.00	
		HIGH	QPSK	16.58	16.52	16.22	18.00	
100		LOW	QPSK	16.64	16.55	16.29	18.00	
20		1	LOW	Q16	17.17	16.83	16.69	18.00
			MID	Q16	17.22	16.93	16.63	18.00
	HIGH		Q16	17.19	16.72	16.51	18.00	
	50	LOW	Q16	16.66	16.59	16.26	18.00	
		MID	Q16	16.65	16.60	16.26	18.00	
		HIGH	Q16	16.58	16.53	16.17	18.00	
	100	LOW	Q16	16.60	16.55	16.26	18.00	
	20	1	LOW	64QAM	17.28	16.82	16.84	18.00
			MID	64QAM	17.32	17.02	16.53	18.00
HIGH			64QAM	17.34	16.80	16.61	18.00	
50		LOW	64QAM	16.66	16.74	16.30	18.00	
		MID	64QAM	16.62	16.68	16.30	18.00	
		HIGH	64QAM	16.65	16.45	16.22	18.00	
100		LOW	64QAM	16.67	16.66	16.17	18.00	

LTE B7-State2&4 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	20.22	19.92	19.63	21.50
		MID	QPSK	20.22	19.94	19.78	21.50
		HIGH	QPSK	20.03	19.83	19.53	21.50
	12	LOW	QPSK	20.22	19.75	19.53	21.50
		MID	QPSK	20.02	19.94	19.58	21.50
		HIGH	QPSK	19.96	19.67	19.54	21.50
25	LOW	QPSK	20.09	19.97	19.78	21.50	
5	1	LOW	Q16	20.67	20.24	19.82	21.50
		MID	Q16	20.64	20.27	20.15	21.50
		HIGH	Q16	20.51	20.07	20.02	21.50
	12	LOW	Q16	19.70	19.18	18.96	20.50
		MID	Q16	19.63	19.45	18.98	20.50
		HIGH	Q16	19.36	19.23	19.12	20.50
25	LOW	Q16	19.63	19.11	18.96	20.50	
5	1	LOW	64QAM	19.58	19.08	18.94	20.50
		MID	64QAM	19.72	19.43	18.95	20.50
		HIGH	64QAM	19.49	19.21	18.73	20.50
	12	LOW	64QAM	18.51	18.33	18.14	19.50
		MID	64QAM	18.50	18.12	18.26	19.50
		HIGH	64QAM	18.41	18.19	18.12	19.50
25	LOW	64QAM	18.26	18.21	17.98	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	20.32	19.77	19.58	21.50
		MID	QPSK	20.23	19.94	19.76	21.50
		HIGH	QPSK	20.20	19.63	19.61	21.50
	25	LOW	QPSK	20.05	19.86	19.73	21.50
		MID	QPSK	20.25	19.93	19.54	21.50
		HIGH	QPSK	20.07	19.66	19.71	21.50
50	LOW	QPSK	20.00	19.88	19.64	21.50	
10	1	LOW	Q16	20.91	20.35	20.05	21.50
		MID	Q16	20.68	20.35	20.18	21.50
		HIGH	Q16	20.49	20.20	19.89	21.50
	25	LOW	Q16	19.61	19.40	18.91	20.50
		MID	Q16	19.68	19.32	19.10	20.50
		HIGH	Q16	19.35	19.28	19.07	20.50
50	LOW	Q16	19.41	19.41	19.12	20.50	
10	1	LOW	64QAM	19.57	19.24	18.93	20.50
		MID	64QAM	19.58	19.30	19.01	20.50
		HIGH	64QAM	19.37	19.29	18.85	20.50
	25	LOW	64QAM	18.58	18.41	18.04	19.50
		MID	64QAM	18.43	18.32	18.28	19.50
		HIGH	64QAM	18.40	18.18	18.26	19.50
50	LOW	64QAM	18.35	18.37	17.98	19.50	

LTE B7-State2&4 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	20.37	19.86	19.54	21.50
		MID	QPSK	20.30	19.75	19.66	21.50
		HIGH	QPSK	20.12	19.76	19.51	21.50
	36	LOW	QPSK	20.12	19.85	19.71	21.50
		MID	QPSK	20.10	19.80	19.53	21.50
		HIGH	QPSK	19.96	19.75	19.81	21.50
75	LOW	QPSK	19.96	19.81	19.66	21.50	
15	1	LOW	Q16	20.89	20.13	19.98	21.50
		MID	Q16	20.67	20.31	20.14	21.50
		HIGH	Q16	20.64	19.99	19.92	21.50
	36	LOW	Q16	19.54	19.37	19.00	20.50
		MID	Q16	19.39	19.36	18.95	20.50
		HIGH	Q16	19.55	19.12	19.13	20.50
75	LOW	Q16	19.49	19.25	19.19	20.50	
15	1	LOW	64QAM	19.87	19.30	18.70	20.50
		MID	64QAM	19.47	19.18	18.91	20.50
		HIGH	64QAM	19.48	19.10	18.84	20.50
	36	LOW	64QAM	18.68	18.42	17.93	19.50
		MID	64QAM	18.61	18.16	18.22	19.50
		HIGH	64QAM	18.69	18.09	18.07	19.50
75	LOW	64QAM	18.26	18.13	18.06	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	20.23	19.88	19.53	21.50
		MID	QPSK	20.16	19.89	19.69	21.50
		HIGH	QPSK	20.06	19.78	19.52	21.50
	50	LOW	QPSK	20.19	19.85	19.63	21.50
		MID	QPSK	20.11	19.86	19.63	21.50
		HIGH	QPSK	20.01	19.79	19.68	21.50
100	LOW	QPSK	20.05	19.84	19.63	21.50	
20	1	LOW	Q16	20.76	20.23	19.92	21.50
		MID	Q16	20.70	20.26	20.04	21.50
		HIGH	Q16	20.55	20.10	19.93	21.50
	50	LOW	Q16	19.62	19.32	19.05	20.50
		MID	Q16	19.54	19.32	19.08	20.50
		HIGH	Q16	19.47	19.26	19.11	20.50
100	LOW	Q16	19.51	19.26	19.10	20.50	
20	1	LOW	64QAM	19.72	19.18	18.81	20.50
		MID	64QAM	19.61	19.28	18.95	20.50
		HIGH	64QAM	19.50	19.18	18.78	20.50
	50	LOW	64QAM	18.57	18.39	18.04	19.50
		MID	64QAM	18.54	18.21	18.21	19.50
		HIGH	64QAM	18.54	18.17	18.17	19.50
100	LOW	64QAM	18.40	18.25	18.02	19.50	

8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.38	20.94	20.67	22.50	
		MID	QPSK	21.05	20.80	20.63	22.50	
		HIGH	QPSK	21.20	20.64	20.64	22.50	
	12	LOW	QPSK	20.79	20.26	20.18	21.50	
		MID	QPSK	20.63	20.34	20.09	21.50	
		HIGH	QPSK	20.61	20.37	20.31	21.50	
	25	LOW	QPSK	20.60	20.42	20.10	21.50	
	5	1	LOW	Q16	21.17	20.60	20.39	21.50
			MID	Q16	21.26	20.78	20.43	21.50
HIGH			Q16	20.93	20.60	20.56	21.50	
12		LOW	Q16	19.55	19.29	18.94	20.50	
		MID	Q16	19.65	19.29	18.95	20.50	
		HIGH	Q16	19.64	19.22	19.00	20.50	
25		LOW	Q16	19.61	19.34	18.98	20.50	
5		1	LOW	64QAM	20.48	19.84	19.41	20.50
			MID	64QAM	20.14	19.72	19.81	20.50
	HIGH		64QAM	20.02	19.67	19.40	20.50	
	12	LOW	64QAM	18.64	18.12	18.05	19.50	
		MID	64QAM	18.66	18.50	18.17	19.50	
		HIGH	64QAM	18.51	18.43	17.88	19.50	
	25	LOW	64QAM	18.60	18.17	18.22	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.40	20.87	20.71	22.50
MID			QPSK	21.24	20.98	20.59	22.50	
HIGH			QPSK	21.19	20.87	20.50	22.50	
25		LOW	QPSK	20.64	20.40	20.09	21.50	
		MID	QPSK	20.63	20.41	20.14	21.50	
		HIGH	QPSK	20.69	20.34	20.13	21.50	
50		LOW	QPSK	20.63	20.20	20.09	21.50	
10		1	LOW	Q16	21.20	20.80	20.31	21.50
			MID	Q16	21.29	20.88	20.48	21.50
	HIGH		Q16	21.01	20.66	20.37	21.50	
	25	LOW	Q16	19.47	19.36	19.03	20.50	
		MID	Q16	19.60	19.31	19.19	20.50	
		HIGH	Q16	19.49	19.42	19.06	20.50	
	50	LOW	Q16	19.63	19.15	19.02	20.50	
	10	1	LOW	64QAM	20.27	19.61	19.47	20.50
			MID	64QAM	20.15	19.79	19.76	20.50
HIGH			64QAM	20.02	19.66	19.40	20.50	
25		LOW	64QAM	18.72	18.32	17.90	19.50	
		MID	64QAM	18.67	18.27	18.12	19.50	
		HIGH	64QAM	18.49	18.56	17.97	19.50	
50		LOW	64QAM	18.52	18.40	18.12	19.50	

LTE B7-Full Power -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.29	20.89	20.58	22.50	
		MID	QPSK	21.26	20.91	20.71	22.50	
		HIGH	QPSK	21.07	20.80	20.59	22.50	
	36	LOW	QPSK	20.83	20.44	20.15	21.50	
		MID	QPSK	20.54	20.46	20.10	21.50	
		HIGH	QPSK	20.67	20.16	20.21	21.50	
	75	LOW	QPSK	20.50	20.30	20.22	21.50	
	15	1	LOW	Q16	21.39	20.65	20.51	21.50
			MID	Q16	21.25	20.66	20.47	21.50
HIGH			Q16	20.91	20.56	20.58	21.50	
36		LOW	Q16	19.70	19.17	18.95	20.50	
		MID	Q16	19.48	19.34	19.23	20.50	
		HIGH	Q16	19.52	19.24	18.98	20.50	
75		LOW	Q16	19.42	19.35	19.23	20.50	
15		1	LOW	64QAM	20.42	19.88	19.54	20.50
			MID	64QAM	20.19	19.61	19.68	20.50
	HIGH		64QAM	20.10	19.44	19.65	20.50	
	36	LOW	64QAM	18.88	18.23	18.05	19.50	
		MID	64QAM	18.81	18.31	18.00	19.50	
		HIGH	64QAM	18.68	18.33	17.84	19.50	
	75	LOW	64QAM	18.68	18.26	17.93	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	21.26	20.91	20.56	22.50
MID			QPSK	21.19	20.86	20.68	22.50	
HIGH			QPSK	21.17	20.75	20.57	22.50	
50		LOW	QPSK	20.74	20.38	20.13	21.50	
		MID	QPSK	20.63	20.37	20.16	21.50	
		HIGH	QPSK	20.54	20.28	20.19	21.50	
100		LOW	QPSK	20.56	20.33	20.14	21.50	
20		1	LOW	Q16	21.25	20.74	20.41	21.50
			MID	Q16	21.14	20.75	20.58	21.50
	HIGH		Q16	21.03	20.62	20.44	21.50	
	50	LOW	Q16	19.62	19.32	19.05	20.50	
		MID	Q16	19.55	19.33	19.08	20.50	
		HIGH	Q16	19.50	19.28	19.11	20.50	
	100	LOW	Q16	19.53	19.28	19.08	20.50	
	20	1	LOW	64QAM	20.39	19.74	19.41	20.50
			MID	64QAM	20.08	19.73	19.71	20.50
HIGH			64QAM	19.95	19.57	19.55	20.50	
50		LOW	64QAM	18.76	18.23	17.93	19.50	
		MID	64QAM	18.66	18.42	18.11	19.50	
		HIGH	64QAM	18.57	18.42	17.99	19.50	
100		LOW	64QAM	18.55	18.31	18.08	19.50	

LTE B7-State1&3 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	14.47	14.40	14.32	15.50	
		MID	QPSK	14.44	14.42	14.51	15.50	
		HIGH	QPSK	14.53	14.58	14.55	15.50	
	12	LOW	QPSK	14.37	14.72	14.41	15.50	
		MID	QPSK	14.43	14.42	14.66	15.50	
		HIGH	QPSK	14.56	14.47	14.55	15.50	
	25	LOW	QPSK	14.74	14.50	14.50	15.50	
	5	1	LOW	Q16	14.40	14.52	14.42	15.50
			MID	Q16	14.34	14.63	14.69	15.50
HIGH			Q16	14.76	14.60	14.42	15.50	
12		LOW	Q16	14.38	14.44	14.34	15.50	
		MID	Q16	14.43	14.49	14.50	15.50	
		HIGH	Q16	14.47	14.37	14.55	15.50	
25		LOW	Q16	14.39	14.52	14.52	15.50	
5		1	LOW	64QAM	14.46	14.57	14.62	15.50
			MID	64QAM	14.55	14.57	14.51	15.50
	HIGH		64QAM	14.76	14.63	14.63	15.50	
	12	LOW	64QAM	14.49	14.77	14.30	15.50	
		MID	64QAM	14.42	14.85	14.53	15.50	
		HIGH	64QAM	14.44	14.26	14.48	15.50	
	25	LOW	64QAM	14.24	14.62	14.42	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	14.22	14.42	14.47	15.50
MID			QPSK	14.52	14.47	14.51	15.50	
HIGH			QPSK	14.47	14.41	14.57	15.50	
25		LOW	QPSK	14.44	14.47	14.42	15.50	
		MID	QPSK	14.35	14.62	14.72	15.50	
		HIGH	QPSK	14.48	14.53	14.68	15.50	
50		LOW	QPSK	14.67	14.26	14.41	15.50	
10		1	LOW	Q16	14.67	14.57	14.40	15.50
			MID	Q16	14.50	14.77	14.62	15.50
	HIGH		Q16	14.55	14.66	14.67	15.50	
	25	LOW	Q16	14.55	14.58	14.55	15.50	
		MID	Q16	14.31	14.53	14.35	15.50	
		HIGH	Q16	14.50	14.44	14.60	15.50	
	50	LOW	Q16	14.54	14.49	14.48	15.50	
	10	1	LOW	64QAM	14.47	14.50	14.61	15.50
			MID	64QAM	14.46	14.82	14.62	15.50
HIGH			64QAM	14.84	14.50	14.41	15.50	
25		LOW	64QAM	14.42	14.74	14.49	15.50	
		MID	64QAM	14.65	14.66	14.39	15.50	
		HIGH	64QAM	14.47	14.24	14.59	15.50	
50		LOW	64QAM	14.39	14.48	14.37	15.50	

LTE B7-State1&3 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	14.42	14.41	14.43	15.50	
		MID	QPSK	14.49	14.40	14.60	15.50	
		HIGH	QPSK	14.42	14.68	14.56	15.50	
	36	LOW	QPSK	14.39	14.70	14.26	15.50	
		MID	QPSK	14.58	14.48	14.62	15.50	
		HIGH	QPSK	14.77	14.68	14.49	15.50	
	75	LOW	QPSK	14.56	14.49	14.39	15.50	
	15	1	LOW	Q16	14.47	14.48	14.65	15.50
			MID	Q16	14.47	14.77	14.60	15.50
HIGH			Q16	14.65	14.60	14.54	15.50	
36		LOW	Q16	14.40	14.43	14.59	15.50	
		MID	Q16	14.48	14.66	14.28	15.50	
		HIGH	Q16	14.52	14.36	14.55	15.50	
75		LOW	Q16	14.41	14.37	14.61	15.50	
15		1	LOW	64QAM	14.41	14.60	14.45	15.50
			MID	64QAM	14.56	14.74	14.57	15.50
	HIGH		64QAM	14.74	14.57	14.39	15.50	
	36	LOW	64QAM	14.20	14.52	14.39	15.50	
		MID	64QAM	14.42	14.75	14.46	15.50	
		HIGH	64QAM	14.50	14.22	14.66	15.50	
	75	LOW	64QAM	14.35	14.49	14.63	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	14.37	14.36	14.40	15.50
MID			QPSK	14.43	14.46	14.52	15.50	
HIGH			QPSK	14.45	14.53	14.56	15.50	
50		LOW	QPSK	14.49	14.58	14.41	15.50	
		MID	QPSK	14.49	14.49	14.62	15.50	
		HIGH	QPSK	14.62	14.62	14.60	15.50	
100		LOW	QPSK	14.65	14.39	14.44	15.50	
20		1	LOW	Q16	14.52	14.63	14.52	15.50
			MID	Q16	14.41	14.62	14.62	15.50
	HIGH		Q16	14.65	14.54	14.54	15.50	
	50	LOW	Q16	14.49	14.50	14.45	15.50	
		MID	Q16	14.45	14.63	14.37	15.50	
		HIGH	Q16	14.53	14.41	14.51	15.50	
	100	LOW	Q16	14.47	14.39	14.53	15.50	
	20	1	LOW	64QAM	14.55	14.56	14.54	15.50
			MID	64QAM	14.51	14.68	14.51	15.50
HIGH			64QAM	14.73	14.63	14.48	15.50	
50		LOW	64QAM	14.34	14.63	14.36	15.50	
		MID	64QAM	14.52	14.73	14.52	15.50	
		HIGH	64QAM	14.40	14.27	14.60	15.50	
100		LOW	64QAM	14.33	14.53	14.50	15.50	

LTE B7-State2&4 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	19.07	19.15	19.15	20.00	
		MID	QPSK	19.04	18.92	19.22	20.00	
		HIGH	QPSK	18.94	18.90	18.98	20.00	
	12	LOW	QPSK	19.13	19.11	18.94	20.00	
		MID	QPSK	19.09	18.73	19.03	20.00	
		HIGH	QPSK	19.18	19.16	18.99	20.00	
	25	LOW	QPSK	19.07	18.98	18.86	20.00	
	5	1	LOW	Q16	18.90	18.79	18.99	20.00
			MID	Q16	19.06	18.92	19.00	20.00
HIGH			Q16	18.88	19.10	19.15	20.00	
12		LOW	Q16	18.91	18.76	18.79	20.00	
		MID	Q16	19.00	18.74	18.97	20.00	
		HIGH	Q16	19.03	19.12	18.97	20.00	
25		LOW	Q16	18.88	18.84	19.16	20.00	
5		1	LOW	64QAM	19.05	19.01	18.71	20.00
			MID	64QAM	19.09	18.88	19.21	20.00
	HIGH		64QAM	18.81	18.84	19.06	20.00	
	12	LOW	64QAM	18.61	18.44	18.37	19.50	
		MID	64QAM	18.55	18.35	18.63	19.50	
		HIGH	64QAM	18.65	18.56	18.31	19.50	
	25	LOW	64QAM	18.31	18.38	18.70	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.88	19.06	19.16	20.00
MID			QPSK	19.07	18.75	19.12	20.00	
HIGH			QPSK	19.13	18.97	19.12	20.00	
25		LOW	QPSK	19.13	19.08	19.06	20.00	
		MID	QPSK	18.90	19.02	18.95	20.00	
		HIGH	QPSK	19.01	19.01	19.00	20.00	
50		LOW	QPSK	19.10	18.76	18.72	20.00	
10		1	LOW	Q16	18.90	18.98	19.02	20.00
			MID	Q16	18.92	18.90	19.09	20.00
	HIGH		Q16	18.86	18.91	19.12	20.00	
	25	LOW	Q16	19.09	18.87	18.82	20.00	
		MID	Q16	18.80	18.99	19.11	20.00	
		HIGH	Q16	18.88	19.04	19.12	20.00	
	50	LOW	Q16	19.06	19.05	19.29	20.00	
	10	1	LOW	64QAM	18.78	18.90	18.70	20.00
			MID	64QAM	18.97	18.95	19.07	20.00
HIGH			64QAM	19.01	19.04	19.13	20.00	
25		LOW	64QAM	18.49	18.57	18.60	19.50	
		MID	64QAM	18.45	18.37	18.60	19.50	
		HIGH	64QAM	18.66	18.74	18.36	19.50	
50		LOW	64QAM	18.45	18.47	18.65	19.50	

LTE B7-State2&4 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	19.03	19.09	19.12	20.00	
		MID	QPSK	18.95	18.88	19.02	20.00	
		HIGH	QPSK	19.06	19.04	18.92	20.00	
	36	LOW	QPSK	19.20	19.12	18.95	20.00	
		MID	QPSK	19.07	18.81	19.02	20.00	
		HIGH	QPSK	18.97	19.19	18.94	20.00	
	75	LOW	QPSK	18.98	18.85	18.83	20.00	
	15	1	LOW	Q16	18.79	18.94	18.90	20.00
			MID	Q16	19.04	19.00	18.96	20.00
HIGH			Q16	18.74	18.96	19.02	20.00	
36		LOW	Q16	18.93	18.86	19.03	20.00	
		MID	Q16	18.84	18.79	18.96	20.00	
		HIGH	Q16	18.81	18.97	19.17	20.00	
75		LOW	Q16	18.87	18.86	19.05	20.00	
15		1	LOW	64QAM	19.01	18.91	18.72	20.00
			MID	64QAM	18.98	18.95	19.28	20.00
	HIGH		64QAM	19.02	19.06	19.07	20.00	
	36	LOW	64QAM	18.38	18.56	18.46	19.50	
		MID	64QAM	18.35	18.46	18.64	19.50	
		HIGH	64QAM	18.45	18.77	18.52	19.50	
	75	LOW	64QAM	18.33	18.23	18.57	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	19.01	19.11	19.05	20.00
MID			QPSK	19.04	18.88	19.12	20.00	
HIGH			QPSK	19.04	18.89	19.00	20.00	
50		LOW	QPSK	19.10	19.07	19.03	20.00	
		MID	QPSK	19.02	18.88	18.98	20.00	
		HIGH	QPSK	19.09	19.13	19.02	20.00	
100		LOW	QPSK	19.09	18.87	18.86	20.00	
20		1	LOW	Q16	18.94	18.86	18.98	20.00
			MID	Q16	18.94	18.99	19.11	20.00
	HIGH		Q16	18.87	18.98	19.14	20.00	
	50	LOW	Q16	19.00	18.85	18.91	20.00	
		MID	Q16	18.89	18.87	19.10	20.00	
		HIGH	Q16	18.95	19.07	19.06	20.00	
	100	LOW	Q16	18.95	18.91	19.15	20.00	
	20	1	LOW	64QAM	18.93	18.99	18.85	20.00
			MID	64QAM	19.09	19.00	19.20	20.00
HIGH			64QAM	18.94	18.92	19.08	20.00	
50		LOW	64QAM	18.48	18.46	18.50	19.50	
		MID	64QAM	18.40	18.41	18.64	19.50	
		HIGH	64QAM	18.56	18.63	18.44	19.50	
100		LOW	64QAM	18.36	18.37	18.64	19.50	

8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.01	23.03	22.86	24.50	
		MID	QPSK	22.95	22.89	22.92	24.50	
		HIGH	QPSK	23.06	22.93	22.94	24.50	
	3	LOW	QPSK	22.84	22.99	22.82	24.50	
		MID	QPSK	22.93	23.07	23.10	24.50	
		HIGH	QPSK	22.93	23.04	23.16	24.50	
	6	LOW	QPSK	21.63	21.68	21.53	23.50	
	1.4	1	LOW	Q16	21.61	21.74	21.53	23.50
			MID	Q16	21.74	21.90	21.58	23.50
HIGH			Q16	21.61	22.08	21.56	23.50	
3		LOW	Q16	21.52	21.91	21.56	23.50	
		MID	Q16	21.68	22.07	21.53	23.50	
		HIGH	Q16	21.57	21.95	21.56	23.50	
6		LOW	Q16	20.55	20.65	20.63	22.50	
1.4		1	LOW	64QAM	20.66	20.72	20.53	22.50
			MID	64QAM	20.81	20.98	20.69	22.50
	HIGH		64QAM	20.63	20.94	20.65	22.50	
	3	LOW	64QAM	20.63	20.82	20.62	22.50	
		MID	64QAM	20.76	21.16	20.66	22.50	
		HIGH	64QAM	20.57	20.94	20.59	22.50	
	6	LOW	64QAM	19.67	19.75	19.78	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.91	23.01	22.92	24.50
MID			QPSK	23.13	23.00	22.89	24.50	
HIGH			QPSK	22.92	22.89	23.01	24.50	
8		LOW	QPSK	21.59	21.68	21.62	23.50	
		MID	QPSK	21.72	21.69	21.67	23.50	
		HIGH	QPSK	21.73	21.73	21.52	23.50	
15		LOW	QPSK	21.69	21.56	21.50	23.50	
3		1	LOW	Q16	21.62	21.87	21.61	23.50
			MID	Q16	21.62	21.95	21.74	23.50
	HIGH		Q16	21.53	21.85	21.69	23.50	
	8	LOW	Q16	20.62	20.71	20.66	22.50	
		MID	Q16	20.70	20.66	20.53	22.50	
		HIGH	Q16	20.53	20.58	20.67	22.50	
	15	LOW	Q16	20.65	20.63	20.68	22.50	
	3	1	LOW	64QAM	20.68	20.96	20.54	22.50
			MID	64QAM	20.81	20.72	20.58	22.50
HIGH			64QAM	20.60	20.91	20.63	22.50	
8		LOW	64QAM	19.55	19.77	19.69	21.50	
		MID	64QAM	19.51	19.80	19.67	21.50	
		HIGH	64QAM	19.68	19.61	19.53	21.50	
15		LOW	64QAM	19.67	19.60	19.56	21.50	

LTE B12-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	22.98	23.03	23.02	24.50	
		MID	QPSK	22.88	22.80	22.87	24.50	
		HIGH	QPSK	23.17	22.99	22.99	24.50	
	12	LOW	QPSK	21.57	21.55	21.53	23.50	
		MID	QPSK	21.54	21.51	21.62	23.50	
		HIGH	QPSK	21.62	21.67	21.67	23.50	
	25	LOW	QPSK	21.59	21.61	21.68	23.50	
	5	1	LOW	Q16	21.53	21.95	21.55	23.50
			MID	Q16	21.72	21.93	21.75	23.50
HIGH			Q16	21.60	22.04	21.69	23.50	
12		LOW	Q16	20.56	20.68	20.70	22.50	
		MID	Q16	20.61	20.60	20.63	22.50	
		HIGH	Q16	20.56	20.50	20.60	22.50	
25		LOW	Q16	20.65	20.74	20.59	22.50	
5		1	LOW	64QAM	20.87	20.76	20.52	22.50
			MID	64QAM	20.75	20.84	20.67	22.50
	HIGH		64QAM	20.75	20.84	20.59	22.50	
	12	LOW	64QAM	19.53	19.64	19.75	21.50	
		MID	64QAM	19.63	19.73	19.75	21.50	
		HIGH	64QAM	19.74	19.51	19.56	21.50	
25	LOW	64QAM	19.64	19.68	19.51	21.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)	
10	1	LOW	QPSK	22.96	22.94	22.96	24.50	
		MID	QPSK	22.99	22.93	22.98	24.50	
		HIGH	QPSK	23.04	23.05	23.04	24.50	
	25	LOW	QPSK	21.52	21.56	21.57	23.50	
		MID	QPSK	21.58	21.59	21.61	23.50	
		HIGH	QPSK	21.60	21.62	21.57	23.50	
50	LOW	QPSK	21.56	21.58	21.56	23.50		
10	1	LOW	Q16	21.62	21.84	21.52	23.50	
		MID	Q16	21.62	21.95	21.65	23.50	
		HIGH	Q16	21.54	21.97	21.63	23.50	
	25	LOW	Q16	20.55	20.59	20.65	22.50	
		MID	Q16	20.59	20.61	20.68	22.50	
		HIGH	Q16	20.61	20.61	20.65	22.50	
	50	LOW	Q16	20.54	20.60	20.58	22.50	
	10	1	LOW	64QAM	20.77	20.89	20.57	22.50
			MID	64QAM	20.70	20.86	20.65	22.50
HIGH			64QAM	20.71	20.96	20.51	22.50	
25		LOW	64QAM	19.60	19.62	19.69	21.50	
		MID	64QAM	19.58	19.75	19.79	21.50	
		HIGH	64QAM	19.59	19.50	19.55	21.50	
50		LOW	64QAM	19.59	19.58	19.50	21.50	

LTE B12-State1&3-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.08	22.99	22.87	24.50	
		MID	QPSK	23.01	22.78	23.03	24.50	
		HIGH	QPSK	23.19	22.90	22.95	24.50	
	3	LOW	QPSK	23.02	22.98	23.02	24.50	
		MID	QPSK	23.07	22.86	22.96	24.50	
		HIGH	QPSK	23.02	23.02	23.00	24.50	
	6	LOW	QPSK	21.59	21.63	21.65	23.50	
	1.4	1	LOW	Q16	21.75	21.98	21.54	23.50
			MID	Q16	21.74	21.97	21.56	23.50
HIGH			Q16	21.51	21.85	21.56	23.50	
3		LOW	Q16	21.52	21.93	21.53	23.50	
		MID	Q16	21.65	22.04	21.61	23.50	
		HIGH	Q16	21.58	21.84	21.72	23.50	
6		LOW	Q16	20.54	20.71	20.53	22.50	
1.4		1	LOW	64QAM	20.60	21.03	20.52	22.50
			MID	64QAM	20.74	21.11	20.68	22.50
	HIGH		64QAM	20.53	20.72	20.59	22.50	
	3	LOW	64QAM	20.62	21.06	20.58	22.50	
		MID	64QAM	20.67	21.11	20.61	22.50	
		HIGH	64QAM	20.53	20.83	20.58	22.50	
	6	LOW	64QAM	19.55	19.73	19.58	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	23.03	23.02	22.82	24.50
MID			QPSK	22.98	22.89	22.95	24.50	
HIGH			QPSK	23.19	23.06	23.03	24.50	
8		LOW	QPSK	21.62	21.60	21.57	23.50	
		MID	QPSK	21.53	21.74	21.67	23.50	
		HIGH	QPSK	21.69	21.63	21.60	23.50	
15		LOW	QPSK	21.51	21.61	21.50	23.50	
3		1	LOW	Q16	21.50	21.88	21.61	23.50
			MID	Q16	21.53	22.07	21.57	23.50
	HIGH		Q16	21.63	22.05	21.72	23.50	
	8	LOW	Q16	20.63	20.61	20.70	22.50	
		MID	Q16	20.68	20.62	20.54	22.50	
		HIGH	Q16	20.61	20.64	20.54	22.50	
	15	LOW	Q16	20.62	20.60	20.58	22.50	
	3	1	LOW	64QAM	20.64	20.93	20.57	22.50
			MID	64QAM	20.55	20.96	20.72	22.50
HIGH			64QAM	20.62	20.68	20.60	22.50	
8		LOW	64QAM	19.61	19.72	19.91	21.50	
		MID	64QAM	19.68	19.55	19.78	21.50	
		HIGH	64QAM	19.85	19.73	19.68	21.50	
15		LOW	64QAM	19.56	19.57	19.51	21.50	

LTE B12-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.02	23.05	22.95	24.50	
		MID	QPSK	23.09	22.97	22.96	24.50	
		HIGH	QPSK	22.89	22.97	23.07	24.50	
	12	LOW	QPSK	21.58	21.64	21.62	23.50	
		MID	QPSK	21.67	21.50	21.66	23.50	
		HIGH	QPSK	21.51	21.54	21.61	23.50	
	25	LOW	QPSK	21.56	21.71	21.67	23.50	
	5	1	LOW	Q16	21.62	21.87	21.64	23.50
			MID	Q16	21.62	21.87	21.52	23.50
HIGH			Q16	21.56	21.91	21.74	23.50	
12		LOW	Q16	20.63	20.53	20.71	22.50	
		MID	Q16	20.66	20.73	20.79	22.50	
		HIGH	Q16	20.64	20.58	20.70	22.50	
25		LOW	Q16	20.63	20.74	20.57	22.50	
5		1	LOW	64QAM	20.64	20.88	20.78	22.50
			MID	64QAM	20.81	20.78	20.88	22.50
	HIGH		64QAM	20.56	20.79	20.61	22.50	
	12	LOW	64QAM	19.54	19.52	19.65	21.50	
		MID	64QAM	19.68	19.58	19.73	21.50	
		HIGH	64QAM	19.63	19.61	19.80	21.50	
	25	LOW	64QAM	19.59	19.52	19.50	21.50	
	10	1	LOW	QPSK	22.96	22.94	22.96	24.50
			MID	QPSK	22.99	22.93	22.98	24.50
HIGH			QPSK	23.04	23.05	23.04	24.50	
25		LOW	QPSK	21.52	21.56	21.57	23.50	
		MID	QPSK	21.58	21.59	21.61	23.50	
		HIGH	QPSK	21.60	21.62	21.57	23.50	
50		LOW	QPSK	21.56	21.58	21.56	23.50	
10		1	LOW	Q16	21.62	21.84	21.52	23.50
			MID	Q16	21.62	21.95	21.65	23.50
			HIGH	Q16	21.54	21.97	21.63	23.50
		25	LOW	Q16	20.55	20.59	20.65	22.50
			MID	Q16	20.59	20.61	20.68	22.50
			HIGH	Q16	20.61	20.61	20.65	22.50
		50	LOW	Q16	20.54	20.60	20.58	22.50
		10	1	LOW	64QAM	20.51	20.80	20.67
	MID			64QAM	20.69	20.92	20.79	22.50
HIGH	64QAM			20.51	20.83	20.54	22.50	
25	LOW		64QAM	19.63	19.57	19.76	21.50	
	MID		64QAM	19.63	19.52	19.64	21.50	
	HIGH		64QAM	19.76	19.73	19.70	21.50	
50	LOW		64QAM	19.66	19.50	19.57	21.50	

LTE B12-State2&4 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.03	23.02	23.08	24.50	
		MID	QPSK	23.10	23.01	22.90	24.50	
		HIGH	QPSK	23.13	23.13	23.11	24.50	
	3	LOW	QPSK	23.07	22.88	23.05	24.50	
		MID	QPSK	22.91	23.04	22.87	24.50	
		HIGH	QPSK	22.92	22.92	23.18	24.50	
	6	LOW	QPSK	21.59	21.52	21.52	23.50	
	1.4	1	LOW	Q16	21.58	21.76	21.56	23.50
			MID	Q16	21.71	22.00	21.76	23.50
HIGH			Q16	21.64	22.01	21.50	23.50	
3		LOW	Q16	21.55	21.72	21.67	23.50	
		MID	Q16	21.73	21.92	21.58	23.50	
		HIGH	Q16	21.64	21.88	21.71	23.50	
6		LOW	Q16	20.54	20.72	20.59	22.50	
1.4		1	LOW	64QAM	20.73	20.65	20.55	22.50
			MID	64QAM	20.86	21.11	20.71	22.50
	HIGH		64QAM	20.57	21.05	20.58	22.50	
	3	LOW	64QAM	20.51	20.69	20.63	22.50	
		MID	64QAM	20.70	21.00	20.69	22.50	
		HIGH	64QAM	20.64	20.82	20.82	22.50	
	6	LOW	64QAM	19.57	19.81	19.70	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.98	23.03	22.96	24.50
MID			QPSK	23.05	22.94	22.99	24.50	
HIGH			QPSK	23.15	23.19	23.07	24.50	
8		LOW	QPSK	21.54	21.70	21.51	23.50	
		MID	QPSK	21.63	21.73	21.75	23.50	
		HIGH	QPSK	21.62	21.70	21.63	23.50	
15		LOW	QPSK	21.64	21.57	21.58	23.50	
3		1	LOW	Q16	21.63	21.89	21.60	23.50
			MID	Q16	21.75	21.80	21.59	23.50
	HIGH		Q16	21.59	21.87	21.64	23.50	
	8	LOW	Q16	20.58	20.70	20.76	22.50	
		MID	Q16	20.73	20.64	20.74	22.50	
		HIGH	Q16	20.75	20.72	20.64	22.50	
	15	LOW	Q16	20.66	20.72	20.72	22.50	
	3	1	LOW	64QAM	20.92	20.82	20.56	22.50
			MID	64QAM	20.61	21.08	20.63	22.50
HIGH			64QAM	20.72	21.11	20.61	22.50	
8		LOW	64QAM	19.63	19.59	19.59	21.50	
		MID	64QAM	19.87	19.73	19.79	21.50	
		HIGH	64QAM	19.77	19.55	19.65	21.50	
15		LOW	64QAM	19.56	19.63	19.71	21.50	

LTE B12-State2 &4-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	22.97	22.85	23.10	24.50	
		MID	QPSK	22.96	22.98	22.90	24.50	
		HIGH	QPSK	23.15	23.10	23.13	24.50	
	12	LOW	QPSK	21.62	21.65	21.68	23.50	
		MID	QPSK	21.55	21.71	21.72	23.50	
		HIGH	QPSK	21.51	21.64	21.57	23.50	
	25	LOW	QPSK	21.54	21.70	21.63	23.50	
	5	1	LOW	Q16	21.75	21.87	21.64	23.50
			MID	Q16	21.63	22.10	21.55	23.50
HIGH			Q16	21.54	22.06	21.72	23.50	
12		LOW	Q16	20.57	20.50	20.75	22.50	
		MID	Q16	20.61	20.60	20.77	22.50	
		HIGH	Q16	20.59	20.60	20.59	22.50	
25		LOW	Q16	20.69	20.64	20.52	22.50	
5		1	LOW	64QAM	20.87	20.83	20.54	22.50
			MID	64QAM	20.68	21.16	20.57	22.50
	HIGH		64QAM	20.50	21.05	20.59	22.50	
	12	LOW	64QAM	19.56	19.65	19.69	21.50	
		MID	64QAM	19.57	19.69	19.82	21.50	
		HIGH	64QAM	19.70	19.71	19.69	21.50	
	25	LOW	64QAM	19.52	19.73	19.52	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	22.96	22.94	22.96	24.50
MID			QPSK	22.99	22.93	22.98	24.50	
HIGH			QPSK	23.04	23.05	23.04	24.50	
25		LOW	QPSK	21.52	21.56	21.57	23.50	
		MID	QPSK	21.58	21.59	21.61	23.50	
		HIGH	QPSK	21.60	21.62	21.57	23.50	
50		LOW	QPSK	21.56	21.58	21.56	23.50	
10		1	LOW	Q16	21.62	21.84	21.52	23.50
			MID	Q16	21.62	21.95	21.65	23.50
	HIGH		Q16	21.54	21.97	21.63	23.50	
	25	LOW	Q16	20.55	20.59	20.65	22.50	
		MID	Q16	20.59	20.61	20.68	22.50	
		HIGH	Q16	20.61	20.61	20.65	22.50	
	50	LOW	Q16	20.54	20.60	20.58	22.50	
	10	1	LOW	64QAM	20.77	20.75	20.52	22.50
			MID	64QAM	20.62	21.03	20.55	22.50
HIGH			64QAM	20.65	21.05	20.61	22.50	
25		LOW	64QAM	19.62	19.61	19.63	21.50	
		MID	64QAM	19.72	19.72	19.68	21.50	
		HIGH	64QAM	19.70	19.56	19.62	21.50	
50		LOW	64QAM	19.61	19.63	19.67	21.50	

8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.66	22.62	22.65	24.50	
		MID	QPSK	22.79	22.72	22.91	24.50	
		HIGH	QPSK	22.83	22.70	22.90	24.50	
	3	LOW	QPSK	22.82	22.59	22.85	24.50	
		MID	QPSK	22.81	22.77	22.81	24.50	
		HIGH	QPSK	22.84	22.75	22.76	24.50	
	6	LOW	QPSK	21.80	21.83	21.91	23.50	
	1.4	1	LOW	Q16	21.65	21.67	21.73	23.50
			MID	Q16	21.77	21.75	21.91	23.50
HIGH			Q16	21.68	21.67	21.68	23.50	
3		LOW	Q16	21.59	21.82	21.84	23.50	
		MID	Q16	21.71	21.75	21.82	23.50	
		HIGH	Q16	21.89	21.76	21.81	23.50	
6		LOW	Q16	20.71	20.90	20.86	22.50	
1.4		1	LOW	64QAM	20.61	20.57	20.73	22.50
			MID	64QAM	20.67	20.74	21.01	22.50
	HIGH		64QAM	20.62	20.54	20.58	22.50	
	3	LOW	64QAM	20.60	20.96	20.90	22.50	
		MID	64QAM	20.73	20.90	20.76	22.50	
		HIGH	64QAM	20.77	20.74	20.90	22.50	
	6	LOW	64QAM	19.56	19.82	19.80	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.73	22.73	22.80	24.50
MID			QPSK	22.90	22.77	22.90	24.50	
HIGH			QPSK	22.77	22.71	22.98	24.50	
8		LOW	QPSK	21.75	21.94	21.81	23.50	
		MID	QPSK	21.94	21.94	21.84	23.50	
		HIGH	QPSK	21.93	21.86	21.62	23.50	
15		LOW	QPSK	21.64	21.70	21.65	23.50	
3		1	LOW	Q16	21.72	21.61	21.73	23.50
			MID	Q16	21.56	21.67	21.81	23.50
	HIGH		Q16	21.79	21.70	21.95	23.50	
	8	LOW	Q16	20.93	20.69	20.86	22.50	
		MID	Q16	20.89	20.97	21.00	22.50	
		HIGH	Q16	20.68	20.97	20.89	22.50	
	15	LOW	Q16	20.93	20.77	20.91	22.50	
	3	1	LOW	64QAM	20.52	20.68	20.54	22.50
			MID	64QAM	20.66	20.90	20.86	22.50
HIGH			64QAM	20.69	20.68	20.60	22.50	
8		LOW	64QAM	19.72	19.82	19.77	21.50	
		MID	64QAM	20.07	19.83	19.94	21.50	
		HIGH	64QAM	19.56	19.88	19.96	21.50	
15		LOW	64QAM	19.89	19.90	19.82	21.50	

LTE B12-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	22.77	22.68	22.72	24.50	
		MID	QPSK	22.75	22.81	22.74	24.50	
		HIGH	QPSK	22.75	22.80	22.95	24.50	
	12	LOW	QPSK	21.59	21.95	21.74	23.50	
		MID	QPSK	21.83	21.75	21.94	23.50	
		HIGH	QPSK	21.92	21.82	21.86	23.50	
	25	LOW	QPSK	21.70	21.71	21.84	23.50	
	5	1	LOW	Q16	21.73	21.73	21.80	23.50
			MID	Q16	21.53	21.69	21.73	23.50
HIGH			Q16	21.63	21.69	21.90	23.50	
12		LOW	Q16	20.71	20.86	21.01	22.50	
		MID	Q16	20.96	20.82	20.98	22.50	
		HIGH	Q16	20.81	20.71	20.91	22.50	
25		LOW	Q16	20.76	20.73	20.74	22.50	
5		1	LOW	64QAM	20.61	20.73	20.78	22.50
			MID	64QAM	20.78	20.75	20.72	22.50
	HIGH		64QAM	20.63	20.63	20.74	22.50	
	12	LOW	64QAM	19.74	19.80	19.92	21.50	
		MID	64QAM	19.78	20.06	19.89	21.50	
		HIGH	64QAM	19.75	19.89	19.88	21.50	
25	LOW	64QAM	19.82	19.95	19.97	21.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)	
10	1	LOW	QPSK	22.78	22.72	22.76	24.50	
		MID	QPSK	22.79	22.77	22.76	24.50	
		HIGH	QPSK	22.84	22.85	22.83	24.50	
	25	LOW	QPSK	21.73	21.80	21.77	23.50	
		MID	QPSK	21.81	21.79	21.80	23.50	
		HIGH	QPSK	21.81	21.82	21.77	23.50	
50	LOW	QPSK	21.77	21.81	21.78	23.50		
10	1	LOW	Q16	21.64	21.68	21.73	23.50	
		MID	Q16	21.64	21.76	21.83	23.50	
		HIGH	Q16	21.74	21.80	21.83	23.50	
	25	LOW	Q16	20.78	20.83	20.86	22.50	
		MID	Q16	20.81	20.83	20.89	22.50	
		HIGH	Q16	20.82	20.84	20.86	22.50	
	50	LOW	Q16	20.79	20.81	20.78	22.50	
	10	1	LOW	64QAM	20.69	20.75	20.64	22.50
			MID	64QAM	20.63	20.75	20.79	22.50
HIGH			64QAM	20.60	20.69	20.70	22.50	
25		LOW	64QAM	19.82	19.76	19.83	21.50	
		MID	64QAM	19.93	19.93	19.92	21.50	
		HIGH	64QAM	19.69	19.93	19.90	21.50	
50		LOW	64QAM	19.90	19.88	19.87	21.50	

LTE B12-State1&3-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.91	22.66	22.65	24.50	
		MID	QPSK	22.90	22.72	22.70	24.50	
		HIGH	QPSK	22.93	22.86	22.74	24.50	
	3	LOW	QPSK	22.74	22.68	22.75	24.50	
		MID	QPSK	22.67	22.72	22.74	24.50	
		HIGH	QPSK	22.69	22.71	22.97	24.50	
	6	LOW	QPSK	21.86	21.76	21.90	23.50	
	1.4	1	LOW	Q16	21.59	21.57	21.63	23.50
			MID	Q16	21.68	21.66	21.85	23.50
HIGH			Q16	21.61	21.68	21.78	23.50	
3		LOW	Q16	21.70	21.71	21.81	23.50	
		MID	Q16	21.54	21.88	21.98	23.50	
		HIGH	Q16	21.59	21.93	21.87	23.50	
6		LOW	Q16	20.92	20.69	20.71	22.50	
1.4		1	LOW	64QAM	20.69	20.63	20.52	22.50
			MID	64QAM	20.83	20.59	20.85	22.50
	HIGH		64QAM	20.58	20.72	20.72	22.50	
	3	LOW	64QAM	20.82	20.71	20.77	22.50	
		MID	64QAM	20.59	20.86	21.01	22.50	
		HIGH	64QAM	20.60	21.05	20.83	22.50	
	6	LOW	64QAM	19.80	19.73	19.69	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.80	22.81	22.87	24.50
MID			QPSK	22.86	22.64	22.78	24.50	
HIGH			QPSK	22.96	22.92	22.97	24.50	
8		LOW	QPSK	21.67	21.90	21.69	23.50	
		MID	QPSK	21.78	21.76	21.84	23.50	
		HIGH	QPSK	21.74	21.73	21.67	23.50	
15		LOW	QPSK	21.64	21.67	21.82	23.50	
3		1	LOW	Q16	21.72	21.80	21.67	23.50
			MID	Q16	21.64	21.67	21.81	23.50
	HIGH		Q16	21.62	21.83	21.70	23.50	
	8	LOW	Q16	20.82	20.75	20.85	22.50	
		MID	Q16	20.90	20.75	20.93	22.50	
		HIGH	Q16	20.71	20.88	20.92	22.50	
	15	LOW	Q16	20.75	20.79	20.75	22.50	
	3	1	LOW	64QAM	20.66	20.86	20.92	22.50
			MID	64QAM	20.71	20.87	20.72	22.50
HIGH			64QAM	20.93	20.74	20.76	22.50	
8		LOW	64QAM	19.65	19.83	19.92	21.50	
		MID	64QAM	19.83	19.81	20.00	21.50	
		HIGH	64QAM	19.93	20.05	19.89	21.50	
15		LOW	64QAM	20.02	20.00	19.80	21.50	

LTE B12-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	22.75	22.81	22.72	24.50	
		MID	QPSK	22.88	22.80	22.85	24.50	
		HIGH	QPSK	22.85	22.85	22.89	24.50	
	12	LOW	QPSK	21.83	21.90	21.87	23.50	
		MID	QPSK	21.67	21.87	21.74	23.50	
		HIGH	QPSK	21.81	21.90	21.87	23.50	
	25	LOW	QPSK	21.64	21.72	21.83	23.50	
	5	1	LOW	Q16	21.78	21.63	21.69	23.50
			MID	Q16	21.78	21.88	21.78	23.50
HIGH			Q16	21.76	21.70	21.98	23.50	
12		LOW	Q16	20.89	20.96	20.88	22.50	
		MID	Q16	20.76	20.90	20.78	22.50	
		HIGH	Q16	20.68	20.87	20.96	22.50	
25		LOW	Q16	20.74	20.77	20.67	22.50	
5		1	LOW	64QAM	20.68	20.64	20.65	22.50
			MID	64QAM	20.68	20.57	21.03	22.50
	HIGH		64QAM	20.81	20.76	21.02	22.50	
	12	LOW	64QAM	19.74	19.83	19.79	21.50	
		MID	64QAM	19.74	20.01	19.86	21.50	
		HIGH	64QAM	19.81	19.92	19.88	21.50	
	25	LOW	64QAM	19.69	19.90	19.75	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	22.78	22.72	22.76	24.50
MID			QPSK	22.79	22.77	22.76	24.50	
HIGH			QPSK	22.84	22.85	22.83	24.50	
25		LOW	QPSK	21.73	21.80	21.77	23.50	
		MID	QPSK	21.81	21.79	21.80	23.50	
		HIGH	QPSK	21.81	21.82	21.77	23.50	
50		LOW	QPSK	21.77	21.81	21.78	23.50	
10		1	LOW	Q16	21.64	21.68	21.73	23.50
			MID	Q16	21.64	21.76	21.83	23.50
	HIGH		Q16	21.74	21.80	21.83	23.50	
	25	LOW	Q16	20.78	20.83	20.86	22.50	
		MID	Q16	20.81	20.83	20.89	22.50	
		HIGH	Q16	20.82	20.84	20.86	22.50	
	50	LOW	Q16	20.79	20.81	20.78	22.50	
	10	1	LOW	64QAM	20.57	20.78	20.72	22.50
			MID	64QAM	20.53	20.68	20.97	22.50
HIGH			64QAM	20.89	20.67	20.96	22.50	
25		LOW	64QAM	19.64	19.95	19.85	21.50	
		MID	64QAM	19.87	19.96	19.90	21.50	
		HIGH	64QAM	19.87	19.93	19.91	21.50	
50		LOW	64QAM	19.69	19.83	19.74	21.50	

LTE B12-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.67	22.78	22.91	24.50	
		MID	QPSK	22.89	22.73	22.76	24.50	
		HIGH	QPSK	22.92	22.94	22.93	24.50	
	3	LOW	QPSK	22.77	22.73	22.75	24.50	
		MID	QPSK	22.65	22.67	22.61	24.50	
		HIGH	QPSK	22.69	22.89	22.72	24.50	
	6	LOW	QPSK	21.69	21.80	21.91	23.50	
	1.4	1	LOW	Q16	21.63	21.62	21.79	23.50
			MID	Q16	21.64	21.73	21.73	23.50
HIGH			Q16	21.88	21.81	21.70	23.50	
3		LOW	Q16	21.51	21.70	21.71	23.50	
		MID	Q16	21.53	21.69	21.92	23.50	
		HIGH	Q16	21.64	21.88	21.97	23.50	
6		LOW	Q16	20.70	20.82	20.80	22.50	
1.4		1	LOW	64QAM	20.68	20.51	20.64	22.50
			MID	64QAM	20.77	20.81	20.66	22.50
	HIGH		64QAM	20.86	20.68	20.56	22.50	
	3	LOW	64QAM	20.66	20.59	20.64	22.50	
		MID	64QAM	20.62	20.61	20.90	22.50	
		HIGH	64QAM	20.60	20.98	20.97	22.50	
	6	LOW	64QAM	19.64	19.68	19.74	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
	3	1	LOW	QPSK	22.89	22.62	22.79	24.50
MID			QPSK	22.72	22.76	22.75	24.50	
HIGH			QPSK	22.83	22.96	22.89	24.50	
8		LOW	QPSK	21.67	21.92	21.79	23.50	
		MID	QPSK	21.77	21.89	21.76	23.50	
		HIGH	QPSK	21.67	21.91	21.72	23.50	
15		LOW	QPSK	21.81	21.85	21.91	23.50	
3		1	LOW	Q16	21.63	21.62	21.88	23.50
			MID	Q16	21.76	21.67	21.79	23.50
	HIGH		Q16	21.59	21.84	21.95	23.50	
	8	LOW	Q16	20.74	20.73	20.86	22.50	
		MID	Q16	20.76	20.95	21.04	22.50	
		HIGH	Q16	20.86	20.80	21.00	22.50	
	15	LOW	Q16	20.87	20.84	20.79	22.50	
	3	1	LOW	64QAM	20.61	20.57	20.93	22.50
			MID	64QAM	20.59	20.76	20.62	22.50
HIGH			64QAM	20.95	20.62	20.93	22.50	
8		LOW	64QAM	19.77	19.75	19.70	21.50	
		MID	64QAM	19.59	19.85	19.91	21.50	
		HIGH	64QAM	19.82	19.90	19.77	21.50	
15		LOW	64QAM	19.58	19.65	19.73	21.50	

LTE B12-State2&4 -Ant.1														
Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)							
5	1	LOW	QPSK	22.85	22.58	22.91	24.50							
		MID	QPSK	22.74	22.81	22.81	24.50							
		HIGH	QPSK	22.69	22.94	22.84	24.50							
	12	LOW	QPSK	21.86	21.75	21.67	23.50							
		MID	QPSK	21.75	21.94	21.75	23.50							
		HIGH	QPSK	21.86	21.84	21.83	23.50							
	25	LOW	QPSK	21.91	21.86	21.86	23.50							
	5	1	LOW	Q16	21.61	21.80	21.82	23.50						
			MID	Q16	21.78	21.79	21.76	23.50						
HIGH			Q16	21.81	21.81	21.92	23.50							
12		LOW	Q16	20.86	20.71	20.82	22.50							
		MID	Q16	20.89	20.90	20.90	22.50							
		HIGH	Q16	20.82	20.89	20.97	22.50							
25		LOW	Q16	20.89	20.90	20.90	22.50							
5		1	LOW	64QAM	20.93	20.53	20.86	22.50						
			MID	64QAM	20.52	20.68	20.87	22.50						
	HIGH		64QAM	20.81	20.82	20.68	22.50							
	12	LOW	64QAM	19.77	19.70	19.81	21.50							
		MID	64QAM	20.06	19.85	19.96	21.50							
		HIGH	64QAM	19.84	20.02	20.09	21.50							
	25	LOW	64QAM	19.83	19.79	19.55	21.50							
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)						
								LOW	QPSK	22.78	22.72	22.76	24.50	
MID								QPSK	22.79	22.77	22.76	24.50		
HIGH								QPSK	22.84	22.85	22.83	24.50		
10								25	LOW	QPSK	21.73	21.80	21.77	23.50
									MID	QPSK	21.81	21.79	21.80	23.50
									HIGH	QPSK	21.81	21.82	21.77	23.50
50								LOW	QPSK	21.77	21.81	21.78	23.50	
10								1	LOW	Q16	21.64	21.68	21.73	23.50
									MID	Q16	21.64	21.76	21.83	23.50
									HIGH	Q16	21.74	21.80	21.83	23.50
								25	LOW	Q16	20.78	20.83	20.86	22.50
									MID	Q16	20.81	20.83	20.89	22.50
									HIGH	Q16	20.82	20.84	20.86	22.50
								50	LOW	Q16	20.79	20.81	20.78	22.50
	10	1	LOW	64QAM	20.79	20.63	20.80	22.50						
			MID	64QAM	20.50	20.61	20.86	22.50						
HIGH			64QAM	20.85	20.70	20.73	22.50							
25		LOW	64QAM	19.89	19.68	19.80	21.50							
		MID	64QAM	19.96	19.87	19.96	21.50							
		HIGH	64QAM	19.83	19.92	19.98	21.50							
50		LOW	64QAM	19.68	19.75	19.67	21.50							

8.3.6 LTE Band13 Output Power

LTE B13-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	23.21	23.16	23.12	24.50	
		MID	QPSK	22.98	23.06	23.11	24.50	
		HIGH	QPSK	23.24	23.14	23.21	24.50	
	12	LOW	QPSK	21.72	21.66	21.71	23.50	
		MID	QPSK	21.71	21.69	21.78	23.50	
		HIGH	QPSK	21.68	21.68	21.75	23.50	
	25	LOW	QPSK	21.74	21.69	21.71	23.50	
	5	1	LOW	Q16	21.73	21.66	21.70	23.50
			MID	Q16	21.66	21.69	21.61	23.50
HIGH			Q16	21.60	21.67	21.63	23.50	
12		LOW	Q16	20.85	20.80	20.89	22.50	
		MID	Q16	20.76	20.67	20.69	22.50	
		HIGH	Q16	20.75	20.75	20.70	22.50	
25		LOW	Q16	20.58	20.59	20.59	22.50	
5		1	LOW	64QAM	20.61	20.51	20.45	22.50
			MID	64QAM	20.60	20.50	20.58	22.50
	HIGH		64QAM	20.77	20.84	20.83	22.50	
	12	LOW	64QAM	19.77	19.66	19.58	21.50	
		MID	64QAM	19.76	19.81	19.75	21.50	
		HIGH	64QAM	19.62	19.70	19.76	21.50	
	25	LOW	64QAM	19.65	19.71	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dBm)
	10	1	LOW	QPSK	/	23.05	/	24.50
MID			QPSK	/	23.04	/	24.50	
HIGH			QPSK	/	23.07	/	24.50	
25		LOW	QPSK	/	21.54	/	23.50	
		MID	QPSK	/	21.55	/	23.50	
		HIGH	QPSK	/	21.58	/	23.50	
50	LOW	QPSK	/	21.58	/	23.50		
10	1	LOW	Q16	/	21.61	/	23.50	
		MID	Q16	/	21.59	/	23.50	
		HIGH	Q16	/	21.64	/	23.50	
	25	LOW	Q16	/	20.67	/	22.50	
		MID	Q16	/	20.71	/	22.50	
		HIGH	Q16	/	20.70	/	22.50	
	50	LOW	Q16	/	20.64	/	22.50	
	10	1	LOW	64QAM	/	20.52	/	22.50
			MID	64QAM	/	20.60	/	22.50
HIGH			64QAM	/	20.70	/	22.50	
25		LOW	64QAM	/	19.63	/	21.50	
		MID	64QAM	/	19.66	/	21.50	
		HIGH	64QAM	/	19.72	/	21.50	
50		LOW	64QAM	/	19.72	/	21.50	

LTE B13-State1&3-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	23.21	23.16	23.12	24.50	
		MID	QPSK	22.98	23.06	23.11	24.50	
		HIGH	QPSK	23.24	23.14	23.21	24.50	
	12	LOW	QPSK	21.72	21.66	21.71	23.50	
		MID	QPSK	21.71	21.69	21.78	23.50	
		HIGH	QPSK	21.68	21.68	21.75	23.50	
	25	LOW	QPSK	21.74	21.69	21.71	23.50	
	5	1	LOW	Q16	21.73	21.66	21.70	23.50
			MID	Q16	21.66	21.69	21.61	23.50
HIGH			Q16	21.60	21.67	21.63	23.50	
12		LOW	Q16	20.85	20.80	20.89	22.50	
		MID	Q16	20.76	20.67	20.69	22.50	
		HIGH	Q16	20.75	20.75	20.70	22.50	
25		LOW	Q16	20.58	20.59	20.59	22.50	
5		1	LOW	64QAM	20.61	20.51	20.45	22.50
			MID	64QAM	20.60	20.50	20.58	22.50
	HIGH		64QAM	20.77	20.84	20.83	22.50	
	12	LOW	64QAM	19.77	19.66	19.58	21.50	
		MID	64QAM	19.76	19.81	19.75	21.50	
		HIGH	64QAM	19.62	19.70	19.76	21.50	
	25	LOW	64QAM	19.65	19.71	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dBm)
	10	1	LOW	QPSK	/	23.05	/	24.50
MID			QPSK	/	23.04	/	24.50	
HIGH			QPSK	/	23.07	/	24.50	
25		LOW	QPSK	/	21.54	/	23.50	
		MID	QPSK	/	21.55	/	23.50	
50		LOW	QPSK	/	21.58	/	23.50	
10	1	LOW	Q16	/	21.61	/	23.50	
		MID	Q16	/	21.59	/	23.50	
		HIGH	Q16	/	21.64	/	23.50	
	25	LOW	Q16	/	20.67	/	22.50	
		MID	Q16	/	20.71	/	22.50	
		HIGH	Q16	/	20.70	/	22.50	
	50	LOW	Q16	/	20.64	/	22.50	
	10	1	LOW	64QAM	/	20.52	/	22.50
			MID	64QAM	/	20.60	/	22.50
HIGH			64QAM	/	20.70	/	22.50	
25		LOW	64QAM	/	19.63	/	21.50	
		MID	64QAM	/	19.66	/	21.50	
		HIGH	64QAM	/	19.72	/	21.50	
50		LOW	64QAM	/	19.72	/	21.50	

LTE B13-State2&4 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dB m)	
5	1	LOW	QPSK	23.21	23.16	23.12	24.50	
		MID	QPSK	22.98	23.06	23.11	24.50	
		HIGH	QPSK	23.24	23.14	23.21	24.50	
	12	LOW	QPSK	21.72	21.66	21.71	23.50	
		MID	QPSK	21.71	21.69	21.78	23.50	
		HIGH	QPSK	21.68	21.68	21.75	23.50	
	25	LOW	QPSK	21.74	21.69	21.71	23.50	
	5	1	LOW	Q16	21.73	21.66	21.70	23.50
			MID	Q16	21.66	21.69	21.61	23.50
HIGH			Q16	21.60	21.67	21.63	23.50	
12		LOW	Q16	20.85	20.80	20.89	22.50	
		MID	Q16	20.76	20.67	20.69	22.50	
		HIGH	Q16	20.75	20.75	20.70	22.50	
25		LOW	Q16	20.58	20.59	20.59	22.50	
5		1	LOW	64QAM	20.61	20.51	20.45	22.50
			MID	64QAM	20.60	20.50	20.58	22.50
	HIGH		64QAM	20.77	20.84	20.83	22.50	
	12	LOW	64QAM	19.77	19.66	19.58	21.50	
		MID	64QAM	19.76	19.81	19.75	21.50	
		HIGH	64QAM	19.62	19.70	19.76	21.50	
	25	LOW	64QAM	19.65	19.71	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dB m)
	10	1	LOW	QPSK	/	23.05	/	24.50
MID			QPSK	/	23.04	/	24.50	
HIGH			QPSK	/	23.07	/	24.50	
25		LOW	QPSK	/	21.54	/	23.50	
		MID	QPSK	/	21.55	/	23.50	
50		LOW	QPSK	/	21.58	/	23.50	
10	1	LOW	Q16	/	21.61	/	23.50	
		MID	Q16	/	21.59	/	23.50	
		HIGH	Q16	/	21.64	/	23.50	
	25	LOW	Q16	/	20.67	/	22.50	
		MID	Q16	/	20.71	/	22.50	
		HIGH	Q16	/	20.70	/	22.50	
	50	LOW	Q16	/	20.64	/	22.50	
	10	1	LOW	64QAM	/	20.52	/	22.50
			MID	64QAM	/	20.60	/	22.50
HIGH			64QAM	/	20.70	/	22.50	
25		LOW	64QAM	/	19.63	/	21.50	
		MID	64QAM	/	19.66	/	21.50	
		HIGH	64QAM	/	19.72	/	21.50	
50		LOW	64QAM	/	19.72	/	21.50	

8.3.6 LTE Band13 Output Power

LTE B13-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	22.97	22.96	22.92	24.50	
		MID	QPSK	22.86	22.78	22.84	24.50	
		HIGH	QPSK	22.82	22.86	22.95	24.50	
	12	LOW	QPSK	21.82	21.84	21.88	23.50	
		MID	QPSK	21.69	21.73	21.79	23.50	
		HIGH	QPSK	21.80	21.82	21.74	23.50	
	25	LOW	QPSK	21.74	21.64	21.60	23.50	
	5	1	LOW	Q16	21.78	21.73	21.83	23.50
			MID	Q16	21.60	21.63	21.55	23.50
HIGH			Q16	21.91	21.84	21.80	23.50	
12		LOW	Q16	20.85	20.92	20.93	22.50	
		MID	Q16	20.75	20.83	20.88	22.50	
		HIGH	Q16	20.78	20.76	20.74	22.50	
25		LOW	Q16	20.79	20.80	20.79	22.50	
5		1	LOW	64QAM	20.80	20.71	20.63	22.50
			MID	64QAM	21.02	21.00	21.04	22.50
	HIGH		64QAM	20.84	20.75	20.70	22.50	
	12	LOW	64QAM	19.73	19.73	19.66	21.50	
		MID	64QAM	19.91	19.83	19.93	21.50	
		HIGH	64QAM	19.97	19.91	19.97	21.50	
	25	LOW	64QAM	19.88	19.88	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dBm)
	10	1	LOW	QPSK	/	22.81	/	24.50
MID			QPSK	/	22.84	/	24.50	
HIGH			QPSK	/	22.95	/	24.50	
25		LOW	QPSK	/	21.71	/	23.50	
		MID	QPSK	/	21.71	/	23.50	
		HIGH	QPSK	/	21.73	/	23.50	
50	LOW	QPSK	/	21.73	/	23.50		
10	1	LOW	Q16	/	21.78	/	23.50	
		MID	Q16	/	21.76	/	23.50	
		HIGH	Q16	/	21.82	/	23.50	
	25	LOW	Q16	/	20.85	/	22.50	
		MID	Q16	/	20.87	/	22.50	
		HIGH	Q16	/	20.87	/	22.50	
	50	LOW	Q16	/	20.81	/	22.50	
	10	1	LOW	64QAM	/	20.67	/	22.50
			MID	64QAM	/	20.91	/	22.50
HIGH			64QAM	/	20.72	/	22.50	
25		LOW	64QAM	/	19.77	/	21.50	
		MID	64QAM	/	19.74	/	21.50	
		HIGH	64QAM	/	19.99	/	21.50	
50		LOW	64QAM	/	19.92	/	21.50	

LTE B13-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dB m)	
5	1	LOW	QPSK	22.97	22.96	22.92	24.50	
		MID	QPSK	22.86	22.78	22.84	24.50	
		HIGH	QPSK	22.82	22.86	22.95	24.50	
	12	LOW	QPSK	21.82	21.84	21.88	23.50	
		MID	QPSK	21.69	21.73	21.79	23.50	
		HIGH	QPSK	21.80	21.82	21.74	23.50	
	25	LOW	QPSK	21.74	21.64	21.60	23.50	
	5	1	LOW	Q16	21.78	21.73	21.83	23.50
			MID	Q16	21.60	21.63	21.55	23.50
HIGH			Q16	21.91	21.84	21.80	23.50	
12		LOW	Q16	20.85	20.92	20.93	22.50	
		MID	Q16	20.75	20.83	20.88	22.50	
		HIGH	Q16	20.78	20.76	20.74	22.50	
25		LOW	Q16	20.79	20.80	20.79	22.50	
5		1	LOW	64QAM	20.80	20.71	20.63	22.50
			MID	64QAM	21.02	21.00	21.04	22.50
	HIGH		64QAM	20.84	20.75	20.70	22.50	
	12	LOW	64QAM	19.73	19.73	19.66	21.50	
		MID	64QAM	19.91	19.83	19.93	21.50	
		HIGH	64QAM	19.97	19.91	19.97	21.50	
	25	LOW	64QAM	19.88	19.88	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dB m)
	10	1	LOW	QPSK	/	22.81	/	24.50
MID			QPSK	/	22.84	/	24.50	
HIGH			QPSK	/	22.95	/	24.50	
25		LOW	QPSK	/	21.71	/	23.50	
		HIGH	QPSK	/	21.73	/	23.50	
50		LOW	QPSK	/	21.73	/	23.50	
10	1	LOW	Q16	/	21.78	/	23.50	
		MID	Q16	/	21.76	/	23.50	
		HIGH	Q16	/	21.82	/	23.50	
	25	LOW	Q16	/	20.85	/	22.50	
		MID	Q16	/	20.87	/	22.50	
		HIGH	Q16	/	20.87	/	22.50	
	50	LOW	Q16	/	20.81	/	22.50	
	10	1	LOW	64QAM	/	20.67	/	22.50
			MID	64QAM	/	20.91	/	22.50
HIGH			64QAM	/	20.72	/	22.50	
25		LOW	64QAM	/	19.77	/	21.50	
		MID	64QAM	/	19.74	/	21.50	
		HIGH	64QAM	/	19.99	/	21.50	
50		LOW	64QAM	/	19.92	/	21.50	

LTE B13-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dB m)	
5	1	LOW	QPSK	22.97	22.96	22.92	24.50	
		MID	QPSK	22.86	22.78	22.84	24.50	
		HIGH	QPSK	22.82	22.86	22.95	24.50	
	12	LOW	QPSK	21.82	21.84	21.88	23.50	
		MID	QPSK	21.69	21.73	21.79	23.50	
		HIGH	QPSK	21.80	21.82	21.74	23.50	
	25	LOW	QPSK	21.74	21.64	21.60	23.50	
	5	1	LOW	Q16	21.78	21.73	21.83	23.50
			MID	Q16	21.60	21.63	21.55	23.50
HIGH			Q16	21.91	21.84	21.80	23.50	
12		LOW	Q16	20.85	20.92	20.93	22.50	
		MID	Q16	20.75	20.83	20.88	22.50	
		HIGH	Q16	20.78	20.76	20.74	22.50	
25		LOW	Q16	20.79	20.80	20.79	22.50	
5		1	LOW	64QAM	20.80	20.71	20.63	22.50
			MID	64QAM	21.02	21.00	21.04	22.50
	HIGH		64QAM	20.84	20.75	20.70	22.50	
	12	LOW	64QAM	19.73	19.73	19.66	21.50	
		MID	64QAM	19.91	19.83	19.93	21.50	
		HIGH	64QAM	19.97	19.91	19.97	21.50	
	25	LOW	64QAM	19.88	19.88	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power(dB m)
	10	1	LOW	QPSK	/	22.81	/	24.50
MID			QPSK	/	22.84	/	24.50	
HIGH			QPSK	/	22.95	/	24.50	
25		LOW	QPSK	/	21.71	/	23.50	
		MID	QPSK	/	21.71	/	23.50	
		HIGH	QPSK	/	21.73	/	23.50	
50		LOW	QPSK	/	21.73	/	23.50	
10		1	LOW	Q16	/	21.78	/	23.50
			MID	Q16	/	21.76	/	23.50
	HIGH		Q16	/	21.82	/	23.50	
	25	LOW	Q16	/	20.85	/	22.50	
		MID	Q16	/	20.87	/	22.50	
		HIGH	Q16	/	20.87	/	22.50	
	50	LOW	Q16	/	20.81	/	22.50	
	10	1	LOW	64QAM	/	20.67	/	22.50
			MID	64QAM	/	20.91	/	22.50
HIGH			64QAM	/	20.72	/	22.50	
25		LOW	64QAM	/	19.77	/	21.50	
		MID	64QAM	/	19.74	/	21.50	
		HIGH	64QAM	/	19.99	/	21.50	
50		LOW	64QAM	/	19.92	/	21.50	

8.3.7 LTE Band17 Output Power

LTE B17-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.94	22.94	22.96	24.50
		MID	QPSK	22.98	22.92	23.01	24.50
		HIGH	QPSK	23.04	23.06	23.08	24.50
	12	LOW	QPSK	21.54	21.54	21.61	23.50
		MID	QPSK	21.58	21.61	21.58	23.50
		HIGH	QPSK	21.57	21.59	21.60	23.50
25	LOW	QPSK	21.60	21.60	21.63	23.50	
5	1	LOW	Q16	21.71	22.04	21.70	23.50
		MID	Q16	21.79	22.21	21.71	23.50
		HIGH	Q16	21.77	22.21	21.75	23.50
	12	LOW	Q16	20.67	20.71	20.67	22.50
		MID	Q16	20.68	20.76	20.68	22.50
		HIGH	Q16	20.66	20.73	20.67	22.50
25	LOW	Q16	20.60	20.65	20.56	22.50	
5	1	LOW	64QAM	20.73	21.01	20.65	22.50
		MID	64QAM	20.68	20.97	20.81	22.50
		HIGH	64QAM	20.69	20.94	20.52	22.50
	12	LOW	64QAM	19.69	19.78	19.68	21.50
		MID	64QAM	19.65	19.72	19.70	21.50
		HIGH	64QAM	19.84	19.73	19.89	21.50
25	LOW	64QAM	19.79	19.64	19.72	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.89	22.89	22.86	24.50
		MID	QPSK	23.00	22.90	22.90	24.50
		HIGH	QPSK	23.12	22.99	23.03	24.50
	25	LOW	QPSK	21.55	21.55	21.57	23.50
		MID	QPSK	21.59	21.58	21.62	23.50
		HIGH	QPSK	21.59	21.60	21.63	23.50
50	LOW	QPSK	21.54	21.58	21.58	23.50	
10	1	LOW	Q16	21.61	21.83	21.56	23.50
		MID	Q16	21.63	22.00	21.62	23.50
		HIGH	Q16	21.55	22.00	21.67	23.50
	25	LOW	Q16	20.55	20.58	20.66	22.50
		MID	Q16	20.60	20.61	20.69	22.50
		HIGH	Q16	20.61	20.63	20.68	22.50
50	LOW	Q16	20.53	20.59	20.58	22.50	
10	1	LOW	64QAM	20.66	20.90	20.60	22.50
		MID	64QAM	20.60	21.02	20.75	22.50
		HIGH	64QAM	20.54	21.02	20.60	22.50
	25	LOW	64QAM	19.69	19.70	19.60	21.50
		MID	64QAM	19.56	19.70	19.74	21.50
		HIGH	64QAM	19.69	19.78	19.81	21.50
50	LOW	64QAM	19.67	19.72	19.72	21.50	

LTE B17-State1&3-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dB m)
5	1	LOW	QPSK	22.94	22.94	22.96	24.50
		MID	QPSK	22.98	22.92	23.01	24.50
		HIGH	QPSK	23.04	23.06	23.08	24.50
	12	LOW	QPSK	21.54	21.54	21.61	23.50
		MID	QPSK	21.58	21.61	21.58	23.50
		HIGH	QPSK	21.57	21.59	21.60	23.50
25	LOW	QPSK	21.60	21.60	21.63	23.50	
5	1	LOW	Q16	21.71	22.04	21.70	23.50
		MID	Q16	21.79	22.21	21.71	23.50
		HIGH	Q16	21.77	22.21	21.75	23.50
	12	LOW	Q16	20.67	20.71	20.67	22.50
		MID	Q16	20.68	20.76	20.68	22.50
		HIGH	Q16	20.66	20.73	20.67	22.50
25	LOW	Q16	20.60	20.65	20.56	22.50	
5	1	LOW	64QAM	20.54	21.06	20.71	22.50
		MID	64QAM	20.69	21.24	20.61	22.50
		HIGH	64QAM	20.56	20.98	20.72	22.50
	12	LOW	64QAM	19.64	19.60	19.50	21.50
		MID	64QAM	19.78	19.64	19.67	21.50
		HIGH	64QAM	19.64	19.68	19.64	21.50
25	LOW	64QAM	19.61	19.72	19.62	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dB m)
10	1	LOW	QPSK	22.89	22.89	22.86	24.50
		MID	QPSK	23.00	22.90	22.90	24.50
		HIGH	QPSK	23.12	22.99	23.03	24.50
	25	LOW	QPSK	21.55	21.55	21.57	23.50
		MID	QPSK	21.59	21.58	21.62	23.50
		HIGH	QPSK	21.59	21.60	21.63	23.50
50	LOW	QPSK	21.54	21.58	21.58	23.50	
10	1	LOW	Q16	21.61	21.83	21.56	23.50
		MID	Q16	21.63	22.00	21.62	23.50
		HIGH	Q16	21.55	22.00	21.67	23.50
	25	LOW	Q16	20.55	20.58	20.66	22.50
		MID	Q16	20.60	20.61	20.69	22.50
		HIGH	Q16	20.61	20.63	20.68	22.50
50	LOW	Q16	20.53	20.59	20.58	22.50	
10	1	LOW	64QAM	20.66	20.96	20.58	22.50
		MID	64QAM	20.68	21.09	20.70	22.50
		HIGH	64QAM	20.67	21.05	20.76	22.50
	25	LOW	64QAM	19.62	19.68	19.54	21.50
		MID	64QAM	19.68	19.59	19.73	21.50
		HIGH	64QAM	19.60	19.59	19.55	21.50
50	LOW	64QAM	19.65	19.59	19.72	21.50	

LTE B17-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.94	22.94	22.96	24.50
		MID	QPSK	22.98	22.92	23.01	24.50
		HIGH	QPSK	23.04	23.06	23.08	24.50
	12	LOW	QPSK	21.54	21.54	21.61	23.50
		MID	QPSK	21.58	21.61	21.58	23.50
		HIGH	QPSK	21.57	21.59	21.60	23.50
25	LOW	QPSK	21.60	21.60	21.63	23.50	
5	1	LOW	Q16	21.71	22.04	21.70	23.50
		MID	Q16	21.79	22.21	21.71	23.50
		HIGH	Q16	21.77	22.21	21.75	23.50
	12	LOW	Q16	20.67	20.71	20.67	22.50
		MID	Q16	20.68	20.76	20.68	22.50
		HIGH	Q16	20.66	20.73	20.67	22.50
25	LOW	Q16	20.60	20.65	20.56	22.50	
5	1	LOW	64QAM	20.61	21.02	20.62	22.50
		MID	64QAM	20.69	21.08	20.67	22.50
		HIGH	64QAM	20.59	21.00	20.76	22.50
	12	LOW	64QAM	19.59	19.74	19.69	21.50
		MID	64QAM	19.76	19.68	19.69	21.50
		HIGH	64QAM	19.55	19.55	19.69	21.50
25	LOW	64QAM	19.69	19.62	19.80	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.89	22.89	22.86	24.50
		MID	QPSK	23.00	22.90	22.90	24.50
		HIGH	QPSK	23.12	22.99	23.03	24.50
	25	LOW	QPSK	21.55	21.55	21.57	23.50
		MID	QPSK	21.59	21.58	21.62	23.50
		HIGH	QPSK	21.59	21.60	21.63	23.50
50	LOW	QPSK	21.54	21.58	21.58	23.50	
10	1	LOW	Q16	21.61	21.83	21.56	23.50
		MID	Q16	21.63	22.00	21.62	23.50
		HIGH	Q16	21.55	22.00	21.67	23.50
	25	LOW	Q16	20.55	20.58	20.66	22.50
		MID	Q16	20.60	20.61	20.69	22.50
		HIGH	Q16	20.61	20.63	20.68	22.50
50	LOW	Q16	20.53	20.59	20.58	22.50	
10	1	LOW	64QAM	20.54	20.88	20.53	22.50
		MID	64QAM	20.52	21.07	20.57	22.50
		HIGH	64QAM	20.67	21.14	20.76	22.50
	25	LOW	64QAM	19.66	19.70	19.62	21.50
		MID	64QAM	19.75	19.66	19.62	21.50
		HIGH	64QAM	19.65	19.50	19.64	21.50
50	LOW	64QAM	19.58	19.55	19.73	21.50	

8.3.7 LTE Band17 Output Power

LTE B17-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.82	22.72	22.78	24.50
		MID	QPSK	22.81	22.71	22.77	24.50
		HIGH	QPSK	22.92	22.86	22.85	24.50
	12	LOW	QPSK	21.78	21.77	21.83	23.50
		MID	QPSK	21.81	21.81	21.81	23.50
		HIGH	QPSK	21.80	21.79	21.81	23.50
25	LOW	QPSK	21.84	21.81	21.83	23.50	
5	1	LOW	Q16	21.55	21.90	21.51	23.50
		MID	Q16	21.59	21.97	21.54	23.50
		HIGH	Q16	21.60	22.02	21.54	23.50
	12	LOW	Q16	20.89	20.51	20.51	22.50
		MID	Q16	20.52	20.56	20.51	22.50
		HIGH	Q16	20.51	20.55	20.89	22.50
25	LOW	Q16	20.84	20.86	20.79	22.50	
5	1	LOW	64QAM	20.60	20.53	20.89	22.50
		MID	64QAM	20.64	20.79	20.81	22.50
		HIGH	64QAM	20.84	20.81	20.79	22.50
	12	LOW	64QAM	19.58	19.87	19.97	21.50
		MID	64QAM	19.99	20.03	19.89	21.50
		HIGH	64QAM	19.80	20.00	20.01	21.50
25	LOW	64QAM	19.77	19.63	19.79	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	22.71	22.66	24.50
		MID	QPSK	22.81	22.70	22.68	24.50
		HIGH	QPSK	22.91	22.78	22.86	24.50
	25	LOW	QPSK	21.76	21.73	21.79	23.50
		MID	QPSK	21.81	21.77	21.81	23.50
		HIGH	QPSK	21.83	21.80	21.82	23.50
50	LOW	QPSK	21.78	21.76	21.79	23.50	
10	1	LOW	Q16	21.64	21.63	21.76	23.50
		MID	Q16	21.64	21.76	21.85	23.50
		HIGH	Q16	21.77	21.80	21.87	23.50
	25	LOW	Q16	20.77	20.76	20.85	22.50
		MID	Q16	20.80	20.79	20.50	22.50
		HIGH	Q16	20.82	20.82	20.89	22.50
50	LOW	Q16	20.75	20.77	20.79	22.50	
10	1	LOW	64QAM	20.51	20.56	20.78	22.50
		MID	64QAM	20.53	20.76	20.84	22.50
		HIGH	64QAM	20.73	20.82	20.77	22.50
	25	LOW	64QAM	19.67	19.82	19.92	21.50
		MID	64QAM	19.85	19.94	19.88	21.50
		HIGH	64QAM	19.80	19.88	19.95	21.50
50	LOW	64QAM	19.72	19.63	19.92	21.50	

LTE B17-State1&3-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	22.82	22.72	22.78	24.50	
		MID	QPSK	22.81	22.71	22.77	24.50	
		HIGH	QPSK	22.92	22.86	22.85	24.50	
	12	LOW	QPSK	21.78	21.77	21.83	23.50	
		MID	QPSK	21.81	21.81	21.81	23.50	
		HIGH	QPSK	21.80	21.79	21.81	23.50	
	25	LOW	QPSK	21.84	21.81	21.83	23.50	
	5	1	LOW	Q16	21.55	21.90	21.51	23.50
			MID	Q16	21.59	21.97	21.54	23.50
HIGH			Q16	21.60	22.02	21.54	23.50	
12		LOW	Q16	20.89	20.51	20.51	22.50	
		MID	Q16	20.52	20.56	20.51	22.50	
		HIGH	Q16	20.51	20.55	20.89	22.50	
25		LOW	Q16	20.84	20.86	20.79	22.50	
5		1	LOW	64QAM	20.56	20.52	20.79	22.50
			MID	64QAM	20.68	20.70	20.87	22.50
	HIGH		64QAM	20.80	20.97	20.79	22.50	
	12	LOW	64QAM	19.79	19.86	19.63	21.50	
		MID	64QAM	20.04	19.72	19.73	21.50	
		HIGH	64QAM	20.03	19.65	19.89	21.50	
	25	LOW	64QAM	19.72	19.87	19.65	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	22.72	22.71	22.66	24.50
MID			QPSK	22.81	22.70	22.68	24.50	
HIGH			QPSK	22.91	22.78	22.86	24.50	
25		LOW	QPSK	21.76	21.73	21.79	23.50	
		MID	QPSK	21.81	21.77	21.81	23.50	
		HIGH	QPSK	21.83	21.80	21.82	23.50	
50		LOW	QPSK	21.78	21.76	21.79	23.50	
10		1	LOW	Q16	21.64	21.63	21.76	23.50
			MID	Q16	21.64	21.76	21.85	23.50
	HIGH		Q16	21.77	21.80	21.87	23.50	
	25	LOW	Q16	20.77	20.76	20.85	22.50	
		MID	Q16	20.80	20.79	20.50	22.50	
		HIGH	Q16	20.82	20.82	20.89	22.50	
	50	LOW	Q16	20.75	20.77	20.79	22.50	
	10	1	LOW	64QAM	20.52	20.54	20.69	22.50
			MID	64QAM	20.66	20.62	20.87	22.50
HIGH			64QAM	20.88	20.83	20.85	22.50	
25		LOW	64QAM	19.74	19.74	19.78	21.50	
		MID	64QAM	19.90	19.86	19.80	21.50	
		HIGH	64QAM	19.95	19.68	19.90	21.50	
50		LOW	64QAM	19.85	19.86	19.71	21.50	

LTE B17-State2&4 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	22.82	22.72	22.78	24.50
		MID	QPSK	22.81	22.71	22.77	24.50
		HIGH	QPSK	22.92	22.86	22.85	24.50
	12	LOW	QPSK	21.78	21.77	21.83	23.50
		MID	QPSK	21.81	21.81	21.81	23.50
		HIGH	QPSK	21.80	21.79	21.81	23.50
25	LOW	QPSK	21.84	21.81	21.83	23.50	
5	1	LOW	Q16	21.55	21.90	21.51	23.50
		MID	Q16	21.59	21.97	21.54	23.50
		HIGH	Q16	21.60	22.02	21.54	23.50
	12	LOW	Q16	20.89	20.51	20.51	22.50
		MID	Q16	20.52	20.56	20.51	22.50
		HIGH	Q16	20.51	20.55	20.89	22.50
25	LOW	Q16	20.84	20.86	20.79	22.50	
5	1	LOW	64QAM	20.66	20.60	20.79	22.50
		MID	64QAM	20.50	20.54	21.06	22.50
		HIGH	64QAM	20.56	20.92	20.70	22.50
	12	LOW	64QAM	19.69	19.70	19.87	21.50
		MID	64QAM	19.61	19.78	19.62	21.50
		HIGH	64QAM	19.82	20.07	19.78	21.50
25	LOW	64QAM	20.00	19.70	19.56	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	22.71	22.66	24.50
		MID	QPSK	22.81	22.70	22.68	24.50
		HIGH	QPSK	22.91	22.78	22.86	24.50
	25	LOW	QPSK	21.76	21.73	21.79	23.50
		MID	QPSK	21.81	21.77	21.81	23.50
		HIGH	QPSK	21.83	21.80	21.82	23.50
50	LOW	QPSK	21.78	21.76	21.79	23.50	
10	1	LOW	Q16	21.64	21.63	21.76	23.50
		MID	Q16	21.64	21.76	21.85	23.50
		HIGH	Q16	21.77	21.80	21.87	23.50
	25	LOW	Q16	20.77	20.76	20.85	22.50
		MID	Q16	20.80	20.79	20.50	22.50
		HIGH	Q16	20.82	20.82	20.89	22.50
50	LOW	Q16	20.75	20.77	20.79	22.50	
10	1	LOW	64QAM	20.53	20.66	20.76	22.50
		MID	64QAM	20.57	20.69	20.94	22.50
		HIGH	64QAM	20.67	20.84	20.85	22.50
	25	LOW	64QAM	19.64	19.61	19.83	21.50
		MID	64QAM	19.75	19.75	19.75	21.50
		HIGH	64QAM	19.89	19.96	19.93	21.50
50	LOW	64QAM	19.89	19.81	19.71	21.50	

8.3.8 LTE Band26 Output Power

LTE B26-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.55	22.64	22.72	24.00	
		MID	QPSK	22.71	22.71	22.70	24.00	
		HIGH	QPSK	22.91	22.71	22.83	24.00	
	3	LOW	QPSK	22.51	22.85	22.73	24.00	
		MID	QPSK	22.69	22.78	22.63	24.00	
		HIGH	QPSK	22.77	22.69	22.71	24.00	
	6	LOW	QPSK	21.79	21.58	21.73	23.00	
	1.4	1	LOW	Q16	21.60	22.20	22.22	23.00
			MID	Q16	21.53	22.05	22.02	23.00
HIGH			Q16	21.65	22.13	22.18	23.00	
3		LOW	Q16	21.58	22.07	22.30	23.00	
		MID	Q16	21.76	22.23	22.25	23.00	
		HIGH	Q16	21.82	21.99	22.18	23.00	
6		LOW	Q16	20.81	20.64	20.70	22.00	
1.4		1	LOW	64QAM	20.66	21.13	21.31	22.00
			MID	64QAM	20.56	21.02	20.91	22.00
	HIGH		64QAM	20.70	21.26	21.33	22.00	
	3	LOW	64QAM	20.63	20.99	21.38	22.00	
		MID	64QAM	20.63	21.32	21.34	22.00	
		HIGH	64QAM	20.72	20.90	21.26	22.00	
	6	LOW	64QAM	19.71	19.64	19.74	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	22.64	22.75	22.73	24.00
MID			QPSK	22.65	22.81	22.68	24.00	
HIGH			QPSK	22.89	22.68	22.64	24.00	
8		LOW	QPSK	21.64	21.75	21.65	23.00	
		MID	QPSK	21.78	21.67	21.66	23.00	
		HIGH	QPSK	21.65	21.58	21.90	23.00	
15		LOW	QPSK	21.75	21.61	21.86	23.00	
3		1	LOW	Q16	21.67	22.20	22.07	23.00
			MID	Q16	21.73	22.28	22.20	23.00
	HIGH		Q16	21.68	22.06	22.27	23.00	
	8	LOW	Q16	20.57	20.93	20.71	22.00	
		MID	Q16	20.62	20.85	20.65	22.00	
		HIGH	Q16	20.68	20.70	20.80	22.00	
	15	LOW	Q16	20.78	20.62	20.66	22.00	
	3	1	LOW	64QAM	20.65	21.05	21.38	22.00
			MID	64QAM	20.54	21.04	21.16	22.00
HIGH			64QAM	20.70	21.04	21.25	22.00	
8		LOW	64QAM	19.75	20.04	19.75	21.00	
		MID	64QAM	19.56	19.58	19.86	21.00	
		HIGH	64QAM	19.52	19.69	19.82	21.00	
15		LOW	64QAM	19.73	19.62	19.79	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.56	22.81	22.85	24.00
	MID		QPSK	22.67	22.67	22.88	24.00	
	HIGH		QPSK	22.66	22.74	22.68	24.00	
	12	LOW	QPSK	21.68	21.83	21.75	23.00	
		MID	QPSK	21.57	21.78	21.71	23.00	
		HIGH	QPSK	21.65	21.85	21.63	23.00	
	25	LOW	QPSK	21.74	21.79	21.70	23.00	
	5	1	LOW	Q16	21.47	22.10	22.07	23.00
			MID	Q16	21.52	22.27	22.06	23.00
HIGH			Q16	21.59	22.12	22.27	23.00	
12		LOW	Q16	20.55	20.91	20.70	22.00	
		MID	Q16	20.51	20.62	20.77	22.00	
		HIGH	Q16	20.69	20.79	20.67	22.00	
25		LOW	Q16	20.82	20.61	20.62	22.00	
5		1	LOW	64QAM	20.54	21.31	20.87	22.00
			MID	64QAM	20.80	21.30	21.06	22.00
	HIGH		64QAM	20.83	21.14	21.38	22.00	
	12	LOW	64QAM	19.43	19.82	19.91	21.00	
		MID	64QAM	19.47	19.97	19.73	21.00	
		HIGH	64QAM	19.71	19.53	19.83	21.00	
	25	LOW	64QAM	19.60	19.61	19.69	21.00	

LTE B26-Full Power -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.61	22.67	22.66	24.00
		MID	QPSK	22.68	22.84	22.73	24.00
		HIGH	QPSK	22.81	22.73	22.72	24.00
	25	LOW	QPSK	21.78	21.75	21.68	23.00
		MID	QPSK	21.79	21.56	21.81	23.00
		HIGH	QPSK	21.67	21.72	21.78	23.00
50	LOW	QPSK	21.73	21.57	21.90	23.00	
10	1	LOW	Q16	21.54	22.16	22.04	23.00
		MID	Q16	21.65	22.23	22.22	23.00
		HIGH	Q16	21.55	22.04	22.01	23.00
	25	LOW	Q16	20.70	20.77	20.69	22.00
		MID	Q16	20.57	20.88	20.73	22.00
		HIGH	Q16	20.59	20.85	20.62	22.00
50	LOW	Q16	20.67	20.72	20.69	22.00	
10	1	LOW	64QAM	20.62	21.25	21.31	22.00
		MID	64QAM	20.76	21.07	21.39	22.00
		HIGH	64QAM	20.65	21.03	21.15	22.00
	25	LOW	64QAM	19.54	19.88	19.52	21.00
		MID	64QAM	19.48	19.97	19.86	21.00
		HIGH	64QAM	19.71	19.61	19.73	21.00
50	LOW	64QAM	19.92	19.76	19.74	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.66	22.77	22.73	24.00
		MID	QPSK	22.70	22.74	22.74	24.00
		HIGH	QPSK	22.76	22.70	22.75	24.00
	36	LOW	QPSK	21.63	21.70	21.72	23.00
		MID	QPSK	21.64	21.67	21.70	23.00
		HIGH	QPSK	21.70	21.77	21.76	23.00
75	LOW	QPSK	21.68	21.72	21.76	23.00	
15	1	LOW	Q16	21.57	22.13	22.16	23.00
		MID	Q16	21.63	22.14	22.15	23.00
		HIGH	Q16	21.68	22.09	22.13	23.00
	36	LOW	Q16	20.65	20.78	20.72	22.00
		MID	Q16	20.65	20.75	20.69	22.00
		HIGH	Q16	20.72	20.78	20.75	22.00
75	LOW	Q16	20.71	20.76	20.76	22.00	
15	1	LOW	64QAM	20.52	21.19	21.23	22.00
		MID	64QAM	20.68	21.18	21.29	22.00
		HIGH	64QAM	20.70	20.99	21.28	22.00
	36	LOW	64QAM	19.67	19.90	19.67	21.00
		MID	64QAM	19.52	19.85	19.72	21.00
		HIGH	64QAM	19.57	19.65	19.84	21.00
75	LOW	64QAM	19.82	19.75	19.66	21.00	

LTE B26-State1&3-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.68	22.77	22.72	24.00
		MID	QPSK	22.60	22.85	22.85	24.00
		HIGH	QPSK	22.87	22.81	22.91	24.00
	3	LOW	QPSK	22.71	22.64	22.60	24.00
		MID	QPSK	22.78	22.78	22.63	24.00
		HIGH	QPSK	22.79	22.74	22.76	24.00
6	LOW	QPSK	21.57	21.75	21.71	23.00	
1.4	1	LOW	Q16	21.57	22.16	22.28	23.00
		MID	Q16	21.68	22.21	22.12	23.00
		HIGH	Q16	21.76	22.08	22.17	23.00
	3	LOW	Q16	21.60	22.16	22.22	23.00
		MID	Q16	21.48	22.00	22.17	23.00
		HIGH	Q16	21.73	22.22	22.01	23.00
6	LOW	Q16	20.74	20.77	20.82	22.00	
1.4	1	LOW	64QAM	20.59	21.24	21.39	22.00
		MID	64QAM	20.83	21.27	21.14	22.00
		HIGH	64QAM	20.84	21.22	21.09	22.00
	3	LOW	64QAM	20.67	21.03	21.23	22.00
		MID	64QAM	20.60	21.09	21.11	22.00
		HIGH	64QAM	20.85	21.19	21.16	22.00
6	LOW	64QAM	19.69	19.74	19.88	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
3	1	LOW	QPSK	22.67	22.88	22.86	24.00
		MID	QPSK	22.84	22.84	22.59	24.00
		HIGH	QPSK	22.84	22.79	22.65	24.00
	8	LOW	QPSK	21.49	21.81	21.73	23.00
		MID	QPSK	21.60	21.73	21.60	23.00
		HIGH	QPSK	21.62	21.83	21.91	23.00
15	LOW	QPSK	21.55	21.67	21.87	23.00	
3	1	LOW	Q16	21.63	22.19	22.09	23.00
		MID	Q16	21.74	22.03	22.12	23.00
		HIGH	Q16	21.77	21.98	22.08	23.00
	8	LOW	Q16	20.67	20.80	20.79	22.00
		MID	Q16	20.73	20.60	20.62	22.00
		HIGH	Q16	20.68	20.80	20.66	22.00
15	LOW	Q16	20.81	20.61	20.61	22.00	
3	1	LOW	64QAM	20.53	20.92	21.22	22.00
		MID	64QAM	20.64	21.40	21.29	22.00
		HIGH	64QAM	20.75	21.09	21.21	22.00
	8	LOW	64QAM	19.95	20.02	19.61	21.00
		MID	64QAM	19.47	19.95	19.66	21.00
		HIGH	64QAM	19.77	19.68	19.91	21.00
15	LOW	64QAM	19.46	19.89	19.77	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5	1	LOW	QPSK	22.74	22.83	22.87	24.00
		MID	QPSK	22.62	22.78	22.65	24.00
		HIGH	QPSK	22.76	22.67	22.66	24.00
	12	LOW	QPSK	21.49	21.77	21.66	23.00
		MID	QPSK	21.51	21.59	21.55	23.00
	HIGH	QPSK	21.56	21.60	21.66	23.00	
25	LOW	QPSK	21.68	21.58	21.85	23.00	
5	1	LOW	Q16	21.42	22.14	22.22	23.00
		MID	Q16	21.53	22.09	22.15	23.00
		HIGH	Q16	21.65	22.13	22.09	23.00
	12	LOW	Q16	20.52	20.74	20.58	22.00
		MID	Q16	20.69	20.73	20.69	22.00
		HIGH	Q16	20.72	20.79	20.78	22.00
25	LOW	Q16	20.67	20.61	20.68	22.00	
5	1	LOW	64QAM	20.42	21.12	20.99	22.00
		MID	64QAM	20.79	21.24	21.27	22.00
		HIGH	64QAM	20.58	20.92	21.42	22.00
	12	LOW	64QAM	19.66	19.75	19.44	21.00
		MID	64QAM	19.65	19.78	19.60	21.00
		HIGH	64QAM	19.57	19.56	20.00	21.00
25	LOW	64QAM	19.46	19.76	19.74	21.00	

LTE B26-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.57	22.70	22.75	24.00	
		MID	QPSK	22.78	22.73	22.65	24.00	
		HIGH	QPSK	22.78	22.74	22.66	24.00	
	25	LOW	QPSK	21.75	21.55	21.72	23.00	
		MID	QPSK	21.60	21.58	21.59	23.00	
		HIGH	QPSK	21.66	21.62	21.81	23.00	
	50	LOW	QPSK	21.58	21.71	21.74	23.00	
	10	1	LOW	Q16	21.58	22.12	22.26	23.00
			MID	Q16	21.67	22.24	22.14	23.00
HIGH			Q16	21.56	22.05	22.20	23.00	
25		LOW	Q16	20.80	20.82	20.68	22.00	
		MID	Q16	20.71	20.62	20.71	22.00	
		HIGH	Q16	20.62	20.91	20.83	22.00	
50		LOW	Q16	20.70	20.69	20.82	22.00	
10		1	LOW	64QAM	20.49	20.96	21.23	22.00
			MID	64QAM	20.73	21.23	21.08	22.00
	HIGH		64QAM	20.63	21.13	21.26	22.00	
	25	LOW	64QAM	19.86	19.87	19.53	21.00	
		MID	64QAM	19.50	20.02	19.49	21.00	
		HIGH	64QAM	19.76	19.77	19.73	21.00	
	50	LOW	64QAM	19.72	19.71	19.89	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	22.66	22.77	22.73	24.00
MID			QPSK	22.70	22.74	22.74	24.00	
HIGH			QPSK	22.76	22.70	22.75	24.00	
36		LOW	QPSK	21.63	21.70	21.72	23.00	
		MID	QPSK	21.64	21.67	21.70	23.00	
		HIGH	QPSK	21.70	21.77	21.76	23.00	
75		LOW	QPSK	21.68	21.72	21.76	23.00	
15		1	LOW	Q16	21.57	22.13	22.16	23.00
			MID	Q16	21.63	22.14	22.15	23.00
	HIGH		Q16	21.68	22.09	22.13	23.00	
	36	LOW	Q16	20.65	20.78	20.72	22.00	
		MID	Q16	20.65	20.75	20.69	22.00	
		HIGH	Q16	20.72	20.78	20.75	22.00	
	75	LOW	Q16	20.71	20.76	20.76	22.00	
	15	1	LOW	64QAM	20.48	21.00	21.09	22.00
			MID	64QAM	20.74	21.26	21.20	22.00
HIGH			64QAM	20.65	21.05	21.28	22.00	
36		LOW	64QAM	19.80	19.87	19.58	21.00	
		MID	64QAM	19.51	19.88	19.61	21.00	
		HIGH	64QAM	19.63	19.67	19.85	21.00	
75		LOW	64QAM	19.59	19.80	19.77	21.00	

LTE B26-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.69	22.87	22.60	24.00
		MID	QPSK	22.68	22.74	22.71	24.00
		HIGH	QPSK	22.73	22.64	22.87	24.00
	3	LOW	QPSK	22.79	22.62	22.75	24.00
		MID	QPSK	22.68	22.60	22.79	24.00
		HIGH	QPSK	22.83	22.78	22.86	24.00
6	LOW	QPSK	21.63	21.78	21.84	23.00	
1.4	1	LOW	Q16	21.42	22.02	22.03	23.00
		MID	Q16	21.70	22.00	22.12	23.00
		HIGH	Q16	21.60	22.24	22.00	23.00
	3	LOW	Q16	21.59	22.17	22.09	23.00
		MID	Q16	21.65	22.15	22.05	23.00
		HIGH	Q16	21.78	22.10	22.23	23.00
6	LOW	Q16	20.85	20.89	20.86	22.00	
1.4	1	LOW	64QAM	20.36	21.00	20.90	22.00
		MID	64QAM	20.72	20.88	21.17	22.00
		HIGH	64QAM	20.71	21.25	20.97	22.00
	3	LOW	64QAM	20.63	21.19	21.20	22.00
		MID	64QAM	20.61	21.25	20.90	22.00
		HIGH	64QAM	20.93	21.25	21.12	22.00
6	LOW	64QAM	19.82	19.91	19.80	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
3	1	LOW	QPSK	22.61	22.89	22.85	24.00
		MID	QPSK	22.65	22.72	22.66	24.00
		HIGH	QPSK	22.90	22.85	22.91	24.00
	8	LOW	QPSK	21.53	21.83	21.76	23.00
		MID	QPSK	21.50	21.71	21.61	23.00
		HIGH	QPSK	21.78	21.72	21.69	23.00
15	LOW	QPSK	21.82	21.81	21.75	23.00	
3	1	LOW	Q16	21.49	22.12	22.15	23.00
		MID	Q16	21.73	22.21	22.20	23.00
		HIGH	Q16	21.78	22.04	22.17	23.00
	8	LOW	Q16	20.75	20.86	20.58	22.00
		MID	Q16	20.57	20.69	20.81	22.00
		HIGH	Q16	20.71	20.78	20.76	22.00
15	LOW	Q16	20.67	20.71	20.77	22.00	
3	1	LOW	64QAM	20.61	21.23	21.07	22.00
		MID	64QAM	20.58	21.15	21.26	22.00
		HIGH	64QAM	20.74	20.93	20.92	22.00
	8	LOW	64QAM	19.60	20.05	19.58	21.00
		MID	64QAM	19.61	19.92	19.60	21.00
		HIGH	64QAM	19.85	19.84	19.76	21.00
15	LOW	64QAM	19.60	19.94	19.60	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5	1	LOW	QPSK	22.58	22.69	22.83	24.00
		MID	QPSK	22.80	22.86	22.87	24.00
		HIGH	QPSK	22.87	22.63	22.64	24.00
	12	LOW	QPSK	21.63	21.62	21.73	23.00
		MID	QPSK	21.66	21.79	21.63	23.00
		HIGH	QPSK	21.65	21.78	21.80	23.00
25	LOW	QPSK	21.55	21.65	21.79	23.00	
5	1	LOW	Q16	21.69	22.21	22.24	23.00
		MID	Q16	21.72	22.27	22.03	23.00
		HIGH	Q16	21.57	22.24	22.13	23.00
	12	LOW	Q16	20.71	20.93	20.58	22.00
		MID	Q16	20.55	20.72	20.81	22.00
		HIGH	Q16	20.61	20.70	20.75	22.00
25	LOW	Q16	20.64	20.61	20.74	22.00	
5	1	LOW	64QAM	20.63	21.01	21.30	22.00
		MID	64QAM	20.53	21.22	21.24	22.00
		HIGH	64QAM	20.67	20.88	21.04	22.00
	12	LOW	64QAM	19.54	19.97	19.57	21.00
		MID	64QAM	19.68	19.84	19.70	21.00
		HIGH	64QAM	19.90	19.85	19.59	21.00
25	LOW	64QAM	19.57	19.77	19.84	21.00	

LTE B26-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.51	22.60	22.67	24.00
		MID	QPSK	22.61	22.85	22.65	24.00
		HIGH	QPSK	22.67	22.81	22.85	24.00
	25	LOW	QPSK	21.65	21.80	21.71	23.00
		MID	QPSK	21.69	21.71	21.60	23.00
		HIGH	QPSK	21.58	21.67	21.86	23.00
50	LOW	QPSK	21.69	21.79	21.82	23.00	
10	1	LOW	Q16	21.64	22.21	22.11	23.00
		MID	Q16	21.48	22.16	22.00	23.00
		HIGH	Q16	21.76	22.04	22.05	23.00
	25	LOW	Q16	20.60	20.75	20.59	22.00
		MID	Q16	20.71	20.83	20.66	22.00
		HIGH	Q16	20.85	20.78	20.65	22.00
50	LOW	Q16	20.57	20.61	20.67	22.00	
10	1	LOW	64QAM	20.72	21.24	21.11	22.00
		MID	64QAM	20.54	21.43	21.06	22.00
		HIGH	64QAM	20.70	21.02	21.07	22.00
	25	LOW	64QAM	19.72	19.83	19.60	21.00
		MID	64QAM	19.68	19.92	19.83	21.00
		HIGH	64QAM	19.71	19.86	19.68	21.00
50	LOW	64QAM	19.76	19.83	19.81	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.66	22.77	22.73	24.00
		MID	QPSK	22.70	22.74	22.74	24.00
		HIGH	QPSK	22.76	22.70	22.75	24.00
	36	LOW	QPSK	21.63	21.70	21.72	23.00
		MID	QPSK	21.64	21.67	21.70	23.00
		HIGH	QPSK	21.70	21.77	21.76	23.00
75	LOW	QPSK	21.68	21.72	21.76	23.00	
15	1	LOW	Q16	21.57	22.13	22.16	23.00
		MID	Q16	21.63	22.14	22.15	23.00
		HIGH	Q16	21.68	22.09	22.13	23.00
	36	LOW	Q16	20.65	20.78	20.72	22.00
		MID	Q16	20.65	20.75	20.69	22.00
		HIGH	Q16	20.72	20.78	20.75	22.00
75	LOW	Q16	20.71	20.76	20.76	22.00	
15	1	LOW	64QAM	20.64	21.16	21.17	22.00
		MID	64QAM	20.51	21.29	21.20	22.00
		HIGH	64QAM	20.80	21.01	21.05	22.00
	36	LOW	64QAM	19.65	19.91	19.62	21.00
		MID	64QAM	19.65	19.80	19.69	21.00
		HIGH	64QAM	19.86	19.83	19.68	21.00
75	LOW	64QAM	19.66	19.83	19.72	21.00	

8.3.8 LTE Band26 Output Power

LTE B26-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.55	22.64	22.72	24.00	
		MID	QPSK	22.71	22.71	22.70	24.00	
		HIGH	QPSK	22.91	22.71	22.83	24.00	
	3	LOW	QPSK	22.51	22.85	22.73	24.00	
		MID	QPSK	22.69	22.78	22.63	24.00	
		HIGH	QPSK	22.77	22.69	22.71	24.00	
6	LOW	QPSK	21.79	21.58	21.73	23.00		
1.4	1	LOW	Q16	21.60	22.20	22.22	23.00	
		MID	Q16	21.53	22.05	22.02	23.00	
		HIGH	Q16	21.65	22.13	22.18	23.00	
	3	LOW	Q16	21.58	22.07	22.30	23.00	
		MID	Q16	21.76	22.23	22.25	23.00	
		HIGH	Q16	21.82	21.99	22.18	23.00	
	6	LOW	Q16	20.81	20.64	20.70	22.00	
	1.4	1	LOW	64QAM	20.66	21.13	21.31	22.00
			MID	64QAM	20.56	21.02	20.91	22.00
HIGH			64QAM	20.70	21.26	21.33	22.00	
3		LOW	64QAM	20.63	20.99	21.38	22.00	
		MID	64QAM	20.63	21.32	21.34	22.00	
		HIGH	64QAM	20.72	20.90	21.26	22.00	
6	LOW	64QAM	19.71	19.64	19.74	21.00		
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
3	1	LOW	QPSK	22.64	22.75	22.73	24.00	
		MID	QPSK	22.65	22.81	22.68	24.00	
		HIGH	QPSK	22.89	22.68	22.64	24.00	
	8	LOW	QPSK	21.64	21.75	21.65	23.00	
		MID	QPSK	21.78	21.67	21.66	23.00	
		HIGH	QPSK	21.65	21.58	21.90	23.00	
15	LOW	QPSK	21.75	21.61	21.86	23.00		
3	1	LOW	Q16	21.67	22.20	22.07	23.00	
		MID	Q16	21.73	22.28	22.20	23.00	
		HIGH	Q16	21.68	22.06	22.27	23.00	
	8	LOW	Q16	20.57	20.93	20.71	22.00	
		MID	Q16	20.62	20.85	20.65	22.00	
		HIGH	Q16	20.68	20.70	20.80	22.00	
	15	LOW	Q16	20.78	20.62	20.66	22.00	
	3	1	LOW	64QAM	20.65	21.05	21.38	22.00
			MID	64QAM	20.54	21.04	21.16	22.00
HIGH			64QAM	20.70	21.04	21.25	22.00	
8		LOW	64QAM	19.75	20.04	19.75	21.00	
		MID	64QAM	19.56	19.58	19.86	21.00	
		HIGH	64QAM	19.52	19.69	19.82	21.00	
15	LOW	64QAM	19.73	19.62	19.79	21.00		
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)	
5	1	LOW	QPSK	22.56	22.81	22.85	24.00	
		MID	QPSK	22.67	22.67	22.88	24.00	
		HIGH	QPSK	22.66	22.74	22.68	24.00	
	12	LOW	QPSK	21.68	21.83	21.75	23.00	
		MID	QPSK	21.57	21.78	21.71	23.00	
		HIGH	QPSK	21.65	21.85	21.63	23.00	
25	LOW	QPSK	21.74	21.79	21.70	23.00		
5	1	LOW	Q16	21.47	22.10	22.07	23.00	
		MID	Q16	21.52	22.27	22.06	23.00	
		HIGH	Q16	21.59	22.12	22.27	23.00	
	12	LOW	Q16	20.55	20.91	20.70	22.00	
		MID	Q16	20.51	20.62	20.77	22.00	
		HIGH	Q16	20.69	20.79	20.67	22.00	
25	LOW	Q16	20.82	20.61	20.62	22.00		
5	1	LOW	64QAM	20.54	21.31	20.87	22.00	
		MID	64QAM	20.80	21.30	21.06	22.00	
		HIGH	64QAM	20.83	21.14	21.38	22.00	
	12	LOW	64QAM	19.43	19.82	19.91	21.00	
		MID	64QAM	19.47	19.97	19.73	21.00	
		HIGH	64QAM	19.71	19.53	19.83	21.00	
25	LOW	64QAM	19.60	19.61	19.69	21.00		

LTE B26-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	22.61	22.67	22.66	24.00	
		MID	QPSK	22.68	22.84	22.73	24.00	
		HIGH	QPSK	22.81	22.73	22.72	24.00	
	25	LOW	QPSK	21.78	21.75	21.68	23.00	
		MID	QPSK	21.79	21.56	21.81	23.00	
		HIGH	QPSK	21.67	21.72	21.78	23.00	
50	LOW	QPSK	21.73	21.57	21.90	23.00		
10	1	LOW	Q16	21.54	22.16	22.04	23.00	
		MID	Q16	21.65	22.23	22.22	23.00	
		HIGH	Q16	21.55	22.04	22.01	23.00	
	25	LOW	Q16	20.70	20.77	20.69	22.00	
		MID	Q16	20.57	20.88	20.73	22.00	
		HIGH	Q16	20.59	20.85	20.62	22.00	
	50	LOW	Q16	20.67	20.72	20.69	22.00	
	10	1	LOW	64QAM	20.62	21.25	21.31	22.00
			MID	64QAM	20.76	21.07	21.39	22.00
HIGH			64QAM	20.65	21.03	21.15	22.00	
25		LOW	64QAM	19.54	19.88	19.52	21.00	
		MID	64QAM	19.48	19.97	19.86	21.00	
		HIGH	64QAM	19.71	19.61	19.73	21.00	
50		LOW	64QAM	19.92	19.76	19.74	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15		1	LOW	QPSK	22.66	22.77	22.73	24.00
	MID		QPSK	22.70	22.74	22.74	24.00	
	HIGH		QPSK	22.76	22.70	22.75	24.00	
	36	LOW	QPSK	21.63	21.70	21.72	23.00	
		MID	QPSK	21.64	21.67	21.70	23.00	
		HIGH	QPSK	21.70	21.77	21.76	23.00	
75	LOW	QPSK	21.68	21.72	21.76	23.00		
15	1	LOW	Q16	21.57	22.13	22.16	23.00	
		MID	Q16	21.63	22.14	22.15	23.00	
		HIGH	Q16	21.68	22.09	22.13	23.00	
	36	LOW	Q16	20.65	20.78	20.72	22.00	
		MID	Q16	20.65	20.75	20.69	22.00	
		HIGH	Q16	20.72	20.78	20.75	22.00	
	75	LOW	Q16	20.71	20.76	20.76	22.00	
	15	1	LOW	64QAM	20.52	21.19	21.23	22.00
			MID	64QAM	20.68	21.18	21.29	22.00
HIGH			64QAM	20.70	20.99	21.28	22.00	
36		LOW	64QAM	19.67	19.90	19.67	21.00	
		MID	64QAM	19.52	19.85	19.72	21.00	
		HIGH	64QAM	19.57	19.65	19.84	21.00	
75		LOW	64QAM	19.82	19.75	19.66	21.00	

LTE B26-State1&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.56	20.50	20.35	21.50
		MID	QPSK	20.44	20.64	20.39	21.50
		HIGH	QPSK	20.73	20.61	20.22	21.50
	3	LOW	QPSK	20.45	20.64	20.46	21.50
		MID	QPSK	20.49	20.65	20.48	21.50
		HIGH	QPSK	20.68	20.66	20.26	21.50
6	LOW	QPSK	20.55	20.39	20.46	21.50	
1.4	1	LOW	Q16	20.36	20.40	20.52	21.50
		MID	Q16	20.61	20.43	20.66	21.50
		HIGH	Q16	20.37	20.54	20.22	21.50
	3	LOW	Q16	20.42	20.39	20.46	21.50
		MID	Q16	20.51	20.26	20.60	21.50
		HIGH	Q16	20.41	20.39	20.48	21.50
6	LOW	Q16	20.37	20.32	20.59	21.50	
1.4	1	LOW	64QAM	20.35	20.31	20.64	21.50
		MID	64QAM	20.51	20.30	20.75	21.50
		HIGH	64QAM	20.28	20.44	20.20	21.50
	3	LOW	64QAM	20.30	20.48	20.54	21.50
		MID	64QAM	20.62	20.24	20.68	21.50
		HIGH	64QAM	20.50	20.40	20.40	21.50
6	LOW	64QAM	19.90	19.82	20.02	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
3	1	LOW	QPSK	20.31	20.53	20.58	21.50
		MID	QPSK	20.38	20.62	20.64	21.50
		HIGH	QPSK	20.72	20.75	20.35	21.50
	8	LOW	QPSK	20.57	20.45	20.68	21.50
		MID	QPSK	20.56	20.71	20.49	21.50
		HIGH	QPSK	20.42	20.52	20.42	21.50
15	LOW	QPSK	20.75	20.43	20.44	21.50	
3	1	LOW	Q16	20.27	20.32	20.35	21.50
		MID	Q16	20.43	20.39	20.62	21.50
		HIGH	Q16	20.45	20.61	20.41	21.50
	8	LOW	Q16	20.75	20.40	20.56	21.50
		MID	Q16	20.50	20.66	20.71	21.50
		HIGH	Q16	20.49	20.57	20.60	21.50
15	LOW	Q16	20.36	20.35	20.57	21.50	
3	1	LOW	64QAM	20.41	20.30	20.56	21.50
		MID	64QAM	20.86	20.51	20.54	21.50
		HIGH	64QAM	20.52	20.34	20.25	21.50
	8	LOW	64QAM	20.42	19.99	20.01	21.00
		MID	64QAM	20.26	20.17	20.24	21.00
		HIGH	64QAM	20.00	20.23	19.82	21.00
15	LOW	64QAM	19.91	19.82	19.98	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	20.46	20.60	20.37	21.50
		MID	QPSK	20.27	20.57	20.55	21.50
		HIGH	QPSK	20.74	20.55	20.24	21.50
	12	LOW	QPSK	20.69	20.47	20.45	21.50
		MID	QPSK	20.32	20.60	20.54	21.50
		HIGH	QPSK	20.50	20.43	20.37	21.50
25	LOW	QPSK	20.70	20.48	20.47	21.50	
5	1	LOW	Q16	20.47	20.48	20.38	21.50
		MID	Q16	20.50	20.32	20.44	21.50
		HIGH	Q16	20.33	20.39	20.27	21.50
	12	LOW	Q16	20.77	20.46	20.31	21.50
		MID	Q16	20.43	20.70	20.53	21.50
		HIGH	Q16	20.60	20.61	20.60	21.50
25	LOW	Q16	20.52	20.39	20.36	21.50	
5	1	LOW	64QAM	20.21	20.38	20.46	21.50
		MID	64QAM	20.69	20.51	20.46	21.50
		HIGH	64QAM	20.42	20.40	20.20	21.50
	12	LOW	64QAM	20.28	20.16	20.04	21.00
		MID	64QAM	20.13	20.28	20.19	21.00
		HIGH	64QAM	19.94	20.27	19.79	21.00
25	LOW	64QAM	20.10	19.83	20.14	21.00	

LTE B26-State1&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	20.36	20.53	20.36	21.50
		MID	QPSK	20.49	20.52	20.58	21.50
		HIGH	QPSK	20.67	20.47	20.36	21.50
	25	LOW	QPSK	20.66	20.30	20.70	21.50
		MID	QPSK	20.55	20.45	20.46	21.50
		HIGH	QPSK	20.33	20.43	20.46	21.50
50	LOW	QPSK	20.62	20.44	20.39	21.50	
10	1	LOW	Q16	20.35	20.46	20.36	21.50
		MID	Q16	20.49	20.53	20.44	21.50
		HIGH	Q16	20.56	20.43	20.42	21.50
	25	LOW	Q16	20.71	20.57	20.40	21.50
		MID	Q16	20.70	20.44	20.55	21.50
		HIGH	Q16	20.51	20.73	20.39	21.50
50	LOW	Q16	20.27	20.44	20.41	21.50	
10	1	LOW	64QAM	20.31	20.31	20.43	21.50
		MID	64QAM	20.61	20.44	20.39	21.50
		HIGH	64QAM	20.57	20.38	20.31	21.50
	25	LOW	64QAM	20.14	19.95	19.83	21.00
		MID	64QAM	20.09	20.13	20.27	21.00
		HIGH	64QAM	20.07	20.29	19.79	21.00
50	LOW	64QAM	19.85	19.95	20.23	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	20.46	20.61	20.43	21.50
		MID	QPSK	20.38	20.59	20.51	21.50
		HIGH	QPSK	20.61	20.61	20.35	21.50
	36	LOW	QPSK	20.55	20.37	20.55	21.50
		MID	QPSK	20.46	20.59	20.45	21.50
		HIGH	QPSK	20.48	20.47	20.37	21.50
75	LOW	QPSK	20.64	20.50	20.46	21.50	
15	1	LOW	Q16	20.35	20.38	20.37	21.50
		MID	Q16	20.58	20.39	20.59	21.50
		HIGH	Q16	20.45	20.46	20.37	21.50
	36	LOW	Q16	20.63	20.42	20.41	21.50
		MID	Q16	20.55	20.59	20.64	21.50
		HIGH	Q16	20.58	20.60	20.46	21.50
75	LOW	Q16	20.40	20.35	20.46	21.50	
15	1	LOW	64QAM	20.29	20.28	20.43	21.50
		MID	64QAM	20.72	20.41	20.54	21.50
		HIGH	64QAM	20.48	20.32	20.23	21.50
	36	LOW	64QAM	20.28	20.07	19.89	21.00
		MID	64QAM	20.20	20.17	20.24	21.00
		HIGH	64QAM	20.08	20.16	19.89	21.00
75	LOW	64QAM	19.96	19.93	20.11	21.00	

LTE B26-State2&4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.55	22.64	22.72	24.00
		MID	QPSK	22.71	22.71	22.70	24.00
		HIGH	QPSK	22.91	22.71	22.83	24.00
	3	LOW	QPSK	22.51	22.85	22.73	24.00
		MID	QPSK	22.69	22.78	22.63	24.00
		HIGH	QPSK	22.77	22.69	22.71	24.00
6	LOW	QPSK	21.79	21.58	21.73	23.00	
1.4	1	LOW	Q16	21.60	22.20	22.22	23.00
		MID	Q16	21.53	22.05	22.02	23.00
		HIGH	Q16	21.65	22.13	22.18	23.00
	3	LOW	Q16	21.58	22.07	22.30	23.00
		MID	Q16	21.76	22.23	22.25	23.00
		HIGH	Q16	21.82	21.99	22.18	23.00
6	LOW	Q16	20.81	20.64	20.70	22.00	
1.4	1	LOW	64QAM	20.66	21.13	21.31	22.00
		MID	64QAM	20.56	21.02	20.91	22.00
		HIGH	64QAM	20.70	21.26	21.33	22.00
	3	LOW	64QAM	20.63	20.99	21.38	22.00
		MID	64QAM	20.63	21.32	21.34	22.00
		HIGH	64QAM	20.72	20.90	21.26	22.00
6	LOW	64QAM	19.71	19.64	19.74	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
3	1	LOW	QPSK	22.64	22.75	22.73	24.00
		MID	QPSK	22.65	22.81	22.68	24.00
		HIGH	QPSK	22.89	22.68	22.64	24.00
	8	LOW	QPSK	21.64	21.75	21.65	23.00
		MID	QPSK	21.78	21.67	21.66	23.00
		HIGH	QPSK	21.65	21.58	21.90	23.00
15	LOW	QPSK	21.75	21.61	21.86	23.00	
3	1	LOW	Q16	21.67	22.20	22.07	23.00
		MID	Q16	21.73	22.28	22.20	23.00
		HIGH	Q16	21.68	22.06	22.27	23.00
	8	LOW	Q16	20.57	20.93	20.71	22.00
		MID	Q16	20.62	20.85	20.65	22.00
		HIGH	Q16	20.68	20.70	20.80	22.00
15	LOW	Q16	20.78	20.62	20.66	22.00	
3	1	LOW	64QAM	20.65	21.05	21.38	22.00
		MID	64QAM	20.54	21.04	21.16	22.00
		HIGH	64QAM	20.70	21.04	21.25	22.00
	8	LOW	64QAM	19.75	20.04	19.75	21.00
		MID	64QAM	19.56	19.58	19.86	21.00
		HIGH	64QAM	19.52	19.69	19.82	21.00
15	LOW	64QAM	19.73	19.62	19.79	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	22.56	22.81	22.85	24.00
		MID	QPSK	22.67	22.67	22.88	24.00
		HIGH	QPSK	22.66	22.74	22.68	24.00
	12	LOW	QPSK	21.68	21.83	21.75	23.00
		MID	QPSK	21.57	21.78	21.71	23.00
		HIGH	QPSK	21.65	21.85	21.63	23.00
25	LOW	QPSK	21.74	21.79	21.70	23.00	
5	1	LOW	Q16	21.47	22.10	22.07	23.00
		MID	Q16	21.52	22.27	22.06	23.00
		HIGH	Q16	21.59	22.12	22.27	23.00
	12	LOW	Q16	20.55	20.91	20.70	22.00
		MID	Q16	20.51	20.62	20.77	22.00
		HIGH	Q16	20.69	20.79	20.67	22.00
25	LOW	Q16	20.82	20.61	20.62	22.00	
5	1	LOW	64QAM	20.54	21.31	20.87	22.00
		MID	64QAM	20.80	21.30	21.06	22.00
		HIGH	64QAM	20.83	21.14	21.38	22.00
	12	LOW	64QAM	19.43	19.82	19.91	21.00
		MID	64QAM	19.47	19.97	19.73	21.00
		HIGH	64QAM	19.71	19.53	19.83	21.00
25	LOW	64QAM	19.60	19.61	19.69	21.00	

LTE B26-State2&4 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.61	22.67	22.66	24.00
		MID	QPSK	22.68	22.84	22.73	24.00
		HIGH	QPSK	22.81	22.73	22.72	24.00
	25	LOW	QPSK	21.78	21.75	21.68	23.00
		MID	QPSK	21.79	21.56	21.81	23.00
		HIGH	QPSK	21.67	21.72	21.78	23.00
50	LOW	QPSK	21.73	21.57	21.90	23.00	
10	1	LOW	Q16	21.54	22.16	22.04	23.00
		MID	Q16	21.65	22.23	22.22	23.00
		HIGH	Q16	21.55	22.04	22.01	23.00
	25	LOW	Q16	20.70	20.77	20.69	22.00
		MID	Q16	20.57	20.88	20.73	22.00
		HIGH	Q16	20.59	20.85	20.62	22.00
50	LOW	Q16	20.67	20.72	20.69	22.00	
10	1	LOW	64QAM	20.62	21.25	21.31	22.00
		MID	64QAM	20.76	21.07	21.39	22.00
		HIGH	64QAM	20.65	21.03	21.15	22.00
	25	LOW	64QAM	19.54	19.88	19.52	21.00
		MID	64QAM	19.48	19.97	19.86	21.00
		HIGH	64QAM	19.71	19.61	19.73	21.00
50	LOW	64QAM	19.92	19.76	19.74	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.66	22.77	22.73	24.00
		MID	QPSK	22.70	22.74	22.74	24.00
		HIGH	QPSK	22.76	22.70	22.75	24.00
	36	LOW	QPSK	21.63	21.70	21.72	23.00
		MID	QPSK	21.64	21.67	21.70	23.00
		HIGH	QPSK	21.70	21.77	21.76	23.00
75	LOW	QPSK	21.68	21.72	21.76	23.00	
15	1	LOW	Q16	21.57	22.13	22.16	23.00
		MID	Q16	21.63	22.14	22.15	23.00
		HIGH	Q16	21.68	22.09	22.13	23.00
	36	LOW	Q16	20.65	20.78	20.72	22.00
		MID	Q16	20.65	20.75	20.69	22.00
		HIGH	Q16	20.72	20.78	20.75	22.00
75	LOW	Q16	20.71	20.76	20.76	22.00	
15	1	LOW	64QAM	20.52	21.19	21.23	22.00
		MID	64QAM	20.68	21.18	21.29	22.00
		HIGH	64QAM	20.70	20.99	21.28	22.00
	36	LOW	64QAM	19.67	19.90	19.67	21.00
		MID	64QAM	19.52	19.85	19.72	21.00
		HIGH	64QAM	19.57	19.65	19.84	21.00
75	LOW	64QAM	19.82	19.75	19.66	21.00	

8.3.8 LTE Band26 Output Power

LTE B26-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.52	22.66	22.50	24.00	
		MID	QPSK	22.40	22.71	22.55	24.00	
		HIGH	QPSK	22.47	22.56	22.52	24.00	
	3	LOW	QPSK	22.45	22.47	22.54	24.00	
		MID	QPSK	22.41	22.44	22.61	24.00	
		HIGH	QPSK	22.71	22.59	22.70	24.00	
	6	LOW	QPSK	21.53	21.55	21.55	23.00	
	1.4	1	LOW	Q16	21.54	21.97	21.97	23.00
			MID	Q16	21.34	21.92	21.93	23.00
HIGH			Q16	21.42	21.90	21.77	23.00	
3		LOW	Q16	21.48	21.94	21.95	23.00	
		MID	Q16	21.42	21.89	21.96	23.00	
		HIGH	Q16	21.57	22.08	21.82	23.00	
6		LOW	Q16	20.71	20.52	20.62	22.00	
1.4		1	LOW	64QAM	20.67	21.10	20.99	22.00
			MID	64QAM	20.20	21.00	20.98	22.00
	HIGH		64QAM	20.44	20.99	20.64	22.00	
	3	LOW	64QAM	20.45	21.09	21.09	22.00	
		MID	64QAM	20.32	20.91	20.82	22.00	
		HIGH	64QAM	20.66	21.18	20.77	22.00	
	6	LOW	64QAM	19.74	19.49	19.72	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	22.50	22.60	22.47	24.00
MID			QPSK	22.65	22.48	22.68	24.00	
HIGH			QPSK	22.76	22.54	22.50	24.00	
8		LOW	QPSK	21.48	21.68	21.49	23.00	
		MID	QPSK	21.61	21.38	21.36	23.00	
		HIGH	QPSK	21.45	21.42	21.56	23.00	
15		LOW	QPSK	21.53	21.47	21.58	23.00	
3		1	LOW	Q16	21.43	21.90	21.81	23.00
			MID	Q16	21.57	21.99	22.04	23.00
	HIGH		Q16	21.52	21.98	21.85	23.00	
	8	LOW	Q16	20.48	20.52	20.47	22.00	
		MID	Q16	20.36	20.53	20.36	22.00	
		HIGH	Q16	20.44	20.49	20.45	22.00	
	15	LOW	Q16	20.49	20.55	20.65	22.00	
	3	1	LOW	64QAM	20.38	20.96	20.98	22.00
			MID	64QAM	20.34	20.84	20.82	22.00
HIGH			64QAM	20.33	20.85	20.81	22.00	
8		LOW	64QAM	19.46	19.49	19.58	21.00	
		MID	64QAM	19.40	19.69	19.74	21.00	
		HIGH	64QAM	19.44	19.57	19.50	21.00	
15		LOW	64QAM	19.56	19.53	19.64	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	22.57	22.54	22.65	24.00
	MID		QPSK	22.64	22.51	22.58	24.00	
	HIGH		QPSK	22.57	22.56	22.40	24.00	
	12	LOW	QPSK	21.36	21.60	21.56	23.00	
		MID	QPSK	21.53	21.39	21.37	23.00	
		HIGH	QPSK	21.69	21.41	21.39	23.00	
	25	LOW	QPSK	21.53	21.41	21.49	23.00	
	5	1	LOW	Q16	21.42	22.08	21.86	23.00
			MID	Q16	21.40	22.00	21.98	23.00
HIGH			Q16	21.47	21.98	22.00	23.00	
12		LOW	Q16	20.57	20.62	20.65	22.00	
		MID	Q16	20.54	20.56	20.32	22.00	
		HIGH	Q16	20.60	20.63	20.51	22.00	
25		LOW	Q16	20.61	20.46	20.47	22.00	
5		1	LOW	64QAM	20.37	21.13	21.07	22.00
			MID	64QAM	20.20	20.75	20.96	22.00
	HIGH		64QAM	20.38	20.75	20.72	22.00	
	12	LOW	64QAM	19.39	19.47	19.71	21.00	
		MID	64QAM	19.37	19.56	19.58	21.00	
		HIGH	64QAM	19.64	19.63	19.58	21.00	
	25	LOW	64QAM	19.78	19.38	19.54	21.00	

LTE B26-Full Power -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.60	22.68	22.63	24.00
		MID	QPSK	22.60	22.47	22.67	24.00
		HIGH	QPSK	22.61	22.49	22.66	24.00
	25	LOW	QPSK	21.53	21.69	21.52	23.00
		MID	QPSK	21.35	21.43	21.41	23.00
		HIGH	QPSK	21.49	21.46	21.59	23.00
50	LOW	QPSK	21.44	21.50	21.64	23.00	
10	1	LOW	Q16	21.38	21.89	22.02	23.00
		MID	Q16	21.57	21.88	21.85	23.00
		HIGH	Q16	21.48	22.06	21.89	23.00
	25	LOW	Q16	20.58	20.71	20.58	22.00
		MID	Q16	20.59	20.48	20.62	22.00
		HIGH	Q16	20.68	20.56	20.66	22.00
50	LOW	Q16	20.41	20.67	20.45	22.00	
10	1	LOW	64QAM	20.59	20.85	20.94	22.00
		MID	64QAM	20.49	20.82	21.01	22.00
		HIGH	64QAM	20.45	20.88	20.87	22.00
	25	LOW	64QAM	19.24	19.56	19.63	21.00
		MID	64QAM	19.40	19.49	19.46	21.00
		HIGH	64QAM	19.69	19.59	19.36	21.00
50	LOW	64QAM	19.35	19.77	19.84	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.51	22.57	22.50	24.00
		MID	QPSK	22.51	22.59	22.53	24.00
		HIGH	QPSK	22.62	22.54	22.55	24.00
	36	LOW	QPSK	21.48	21.56	21.53	23.00
		MID	QPSK	21.50	21.51	21.48	23.00
		HIGH	QPSK	21.54	21.56	21.54	23.00
75	LOW	QPSK	21.53	21.55	21.56	23.00	
15	1	LOW	Q16	21.46	21.96	21.93	23.00
		MID	Q16	21.47	21.93	21.94	23.00
		HIGH	Q16	21.54	21.93	21.85	23.00
	36	LOW	Q16	20.50	20.62	20.52	22.00
		MID	Q16	20.51	20.57	20.47	22.00
		HIGH	Q16	20.55	20.61	20.52	22.00
75	LOW	Q16	20.56	20.61	20.56	22.00	
15	1	LOW	64QAM	20.53	20.88	21.08	22.00
		MID	64QAM	20.58	20.84	20.99	22.00
		HIGH	64QAM	20.49	20.92	20.77	22.00
	36	LOW	64QAM	19.37	19.60	19.64	21.00
		MID	64QAM	19.54	19.55	19.59	21.00
		HIGH	64QAM	19.59	19.48	19.44	21.00
75	LOW	64QAM	19.47	19.68	19.69	21.00	

LTE B26-State1&3-Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)
1.4	1	LOW	QPSK	22.59	22.51	22.53	24.00
		MID	QPSK	22.65	22.46	22.48	24.00
		HIGH	QPSK	22.57	22.56	22.65	24.00
	3	LOW	QPSK	22.63	22.58	22.55	24.00
		MID	QPSK	22.66	22.59	22.49	24.00
		HIGH	QPSK	22.74	22.54	22.57	24.00
6	LOW	QPSK	21.38	21.60	21.65	23.00	
1.4	1	LOW	Q16	21.34	21.87	21.83	23.00
		MID	Q16	21.35	22.02	21.80	23.00
		HIGH	Q16	21.47	22.02	21.93	23.00
	3	LOW	Q16	21.31	21.89	21.96	23.00
		MID	Q16	21.37	21.79	21.97	23.00
		HIGH	Q16	21.63	21.95	21.80	23.00
6	LOW	Q16	20.67	20.73	20.45	22.00	
1.4	1	LOW	64QAM	20.43	20.77	20.71	22.00
		MID	64QAM	20.43	20.90	20.94	22.00
		HIGH	64QAM	20.41	21.16	20.94	22.00
	3	LOW	64QAM	20.25	20.96	20.84	22.00
		MID	64QAM	20.31	20.75	20.90	22.00
		HIGH	64QAM	20.78	20.86	20.65	22.00
6	LOW	64QAM	19.70	19.68	19.43	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
3	1	LOW	QPSK	22.43	22.68	22.51	24.00
		MID	QPSK	22.36	22.57	22.51	24.00
		HIGH	QPSK	22.74	22.58	22.68	24.00
	8	LOW	QPSK	21.61	21.66	21.40	23.00
		MID	QPSK	21.48	21.43	21.45	23.00
		HIGH	QPSK	21.51	21.62	21.59	23.00
15	LOW	QPSK	21.65	21.56	21.67	23.00	
3	1	LOW	Q16	21.34	21.84	22.05	23.00
		MID	Q16	21.42	21.78	21.82	23.00
		HIGH	Q16	21.41	21.83	21.94	23.00
	8	LOW	Q16	20.43	20.76	20.56	22.00
		MID	Q16	20.50	20.67	20.36	22.00
		HIGH	Q16	20.54	20.62	20.56	22.00
15	LOW	Q16	20.67	20.57	20.42	22.00	
3	1	LOW	64QAM	20.29	20.86	21.06	22.00
		MID	64QAM	20.28	20.99	21.02	22.00
		HIGH	64QAM	20.78	20.80	20.73	22.00
	8	LOW	64QAM	19.51	19.72	19.35	21.00
		MID	64QAM	19.71	19.61	19.70	21.00
		HIGH	64QAM	19.64	19.47	19.51	21.00
15	LOW	64QAM	19.64	19.88	19.81	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5	1	LOW	QPSK	22.50	22.51	22.40	24.00
		MID	QPSK	22.58	22.61	22.68	24.00
		HIGH	QPSK	22.58	22.40	22.63	24.00
	12	LOW	QPSK	21.62	21.48	21.47	23.00
		MID	QPSK	21.43	21.62	21.46	23.00
		HIGH	QPSK	21.49	21.64	21.57	23.00
25	LOW	QPSK	21.51	21.48	21.42	23.00	
5	1	LOW	Q16	21.52	21.81	21.90	23.00
		MID	Q16	21.56	21.92	21.95	23.00
		HIGH	Q16	21.58	21.92	21.95	23.00
	12	LOW	Q16	20.51	20.61	20.58	22.00
		MID	Q16	20.40	20.52	20.50	22.00
		HIGH	Q16	20.46	20.56	20.49	22.00
25	LOW	Q16	20.41	20.52	20.59	22.00	
5	1	LOW	64QAM	20.44	21.07	21.00	22.00
		MID	64QAM	20.28	21.07	20.96	22.00
		HIGH	64QAM	20.76	20.70	20.65	22.00
	12	LOW	64QAM	19.36	19.60	19.48	21.00
		MID	64QAM	19.62	19.55	19.61	21.00
		HIGH	64QAM	19.60	19.43	19.58	21.00
25	LOW	64QAM	19.69	19.77	19.55	21.00	

LTE B26-State1&3 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	22.55	22.72	22.35	24.00
		MID	QPSK	22.37	22.59	22.50	24.00
		HIGH	QPSK	22.71	22.57	22.60	24.00
	25	LOW	QPSK	21.57	21.60	21.57	23.00
		MID	QPSK	21.35	21.48	21.59	23.00
		HIGH	QPSK	21.69	21.51	21.39	23.00
50	LOW	QPSK	21.54	21.54	21.45	23.00	
10	1	LOW	Q16	21.45	21.88	21.83	23.00
		MID	Q16	21.44	21.97	21.97	23.00
		HIGH	Q16	21.67	21.86	21.96	23.00
	25	LOW	Q16	20.65	20.49	20.51	22.00
		MID	Q16	20.44	20.48	20.45	22.00
		HIGH	Q16	20.70	20.58	20.62	22.00
50	LOW	Q16	20.70	20.76	20.67	22.00	
10	1	LOW	64QAM	20.25	20.92	21.01	22.00
		MID	64QAM	20.34	21.02	20.99	22.00
		HIGH	64QAM	20.60	20.74	20.62	22.00
	25	LOW	64QAM	19.21	19.56	19.55	21.00
		MID	64QAM	19.43	19.46	19.64	21.00
		HIGH	64QAM	19.40	19.39	19.46	21.00
50	LOW	64QAM	19.77	19.73	19.82	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	22.51	22.57	22.50	24.00
		MID	QPSK	22.51	22.59	22.53	24.00
		HIGH	QPSK	22.62	22.54	22.55	24.00
	36	LOW	QPSK	21.48	21.56	21.53	23.00
		MID	QPSK	21.50	21.51	21.48	23.00
		HIGH	QPSK	21.54	21.56	21.54	23.00
75	LOW	QPSK	21.53	21.55	21.56	23.00	
15	1	LOW	Q16	21.46	21.96	21.93	23.00
		MID	Q16	21.47	21.93	21.94	23.00
		HIGH	Q16	21.54	21.93	21.85	23.00
	36	LOW	Q16	20.50	20.62	20.52	22.00
		MID	Q16	20.51	20.57	20.47	22.00
		HIGH	Q16	20.55	20.61	20.52	22.00
75	LOW	Q16	20.56	20.61	20.56	22.00	
15	1	LOW	64QAM	20.36	20.93	20.95	22.00
		MID	64QAM	20.36	21.03	20.99	22.00
		HIGH	64QAM	20.67	20.81	20.74	22.00
	36	LOW	64QAM	19.36	19.66	19.42	21.00
		MID	64QAM	19.57	19.48	19.57	21.00
		HIGH	64QAM	19.51	19.54	19.55	21.00
75	LOW	64QAM	19.69	19.73	19.67	21.00	

LTE B26-State2 &4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dB m)	
1.4	1	LOW	QPSK	21.02	21.27	21.21	22.75	
		MID	QPSK	21.31	21.11	21.23	22.75	
		HIGH	QPSK	21.34	21.15	21.20	22.75	
	3	LOW	QPSK	21.14	21.38	21.11	22.75	
		MID	QPSK	21.24	21.31	21.12	22.75	
		HIGH	QPSK	21.39	21.16	21.06	22.75	
	6	LOW	QPSK	21.23	21.13	21.26	22.75	
	1.4	1	LOW	Q16	21.05	21.50	21.61	22.75
			MID	Q16	21.23	21.57	21.48	22.75
HIGH			Q16	21.07	21.56	21.49	22.75	
3		LOW	Q16	21.27	21.69	21.74	22.75	
		MID	Q16	21.24	21.71	21.49	22.75	
		HIGH	Q16	21.15	21.58	21.62	22.75	
6		LOW	Q16	20.54	20.51	20.55	22.00	
1.4		1	LOW	64QAM	20.39	20.69	20.80	22.00
			MID	64QAM	20.59	20.86	20.63	22.00
	HIGH		64QAM	20.20	20.82	20.82	22.00	
	3	LOW	64QAM	20.43	21.02	21.03	22.00	
		MID	64QAM	20.41	20.93	20.68	22.00	
		HIGH	64QAM	20.34	20.90	20.75	22.00	
	6	LOW	64QAM	19.56	19.40	19.63	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
	3	1	LOW	QPSK	21.08	21.41	21.21	22.75
MID			QPSK	21.09	21.27	21.07	22.75	
HIGH			QPSK	21.33	21.31	21.30	22.75	
8		LOW	QPSK	21.18	21.19	21.06	22.75	
		MID	QPSK	21.27	21.26	21.17	22.75	
		HIGH	QPSK	21.12	21.36	21.17	22.75	
15		LOW	QPSK	21.10	21.36	21.25	22.75	
3		1	LOW	Q16	21.06	21.50	21.60	22.75
			MID	Q16	21.09	21.66	21.52	22.75
	HIGH		Q16	21.32	21.63	21.50	22.75	
	8	LOW	Q16	20.37	20.57	20.51	22.00	
		MID	Q16	20.56	20.41	20.45	22.00	
		HIGH	Q16	20.56	20.49	20.54	22.00	
	15	LOW	Q16	20.54	20.69	20.62	22.00	
	3	1	LOW	64QAM	20.37	20.90	20.84	22.00
			MID	64QAM	20.29	21.10	20.80	22.00
HIGH			64QAM	20.47	21.05	21.07	22.00	
8		LOW	64QAM	19.60	19.37	19.39	21.00	
		MID	64QAM	19.34	19.35	19.26	21.00	
		HIGH	64QAM	19.40	19.47	19.44	21.00	
15		LOW	64QAM	19.43	19.74	19.36	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dB m)
5		1	LOW	QPSK	21.03	21.30	21.29	22.75
	MID		QPSK	21.31	21.16	21.11	22.75	
	HIGH		QPSK	21.15	21.34	21.13	22.75	
	12	LOW	QPSK	21.03	21.22	21.13	22.75	
		MID	QPSK	21.20	21.16	21.14	22.75	
		HIGH	QPSK	21.10	21.11	21.12	22.75	
	25	LOW	QPSK	21.12	21.33	21.33	22.75	
	5	1	LOW	Q16	21.14	21.50	21.61	22.75
			MID	Q16	21.12	21.76	21.49	22.75
HIGH			Q16	21.18	21.54	21.66	22.75	
12		LOW	Q16	20.53	20.38	20.47	22.00	
		MID	Q16	20.41	20.36	20.35	22.00	
		HIGH	Q16	20.43	20.62	20.57	22.00	
25		LOW	Q16	20.38	20.48	20.48	22.00	
5		1	LOW	64QAM	20.32	21.01	20.87	22.00
			MID	64QAM	20.42	21.14	20.94	22.00
	HIGH		64QAM	20.35	20.92	20.88	22.00	
	12	LOW	64QAM	19.48	19.45	19.34	21.00	
		MID	64QAM	19.50	19.27	19.38	21.00	
		HIGH	64QAM	19.55	19.70	19.31	21.00	
	25	LOW	64QAM	19.45	19.74	19.64	21.00	

LTE B26-State2 &4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	21.14	21.42	21.09	22.75	
		MID	QPSK	21.09	21.25	21.30	22.75	
		HIGH	QPSK	21.20	21.17	21.18	22.75	
	25	LOW	QPSK	21.29	21.19	21.27	22.75	
		MID	QPSK	21.21	21.10	21.20	22.75	
		HIGH	QPSK	21.15	21.28	21.05	22.75	
	50	LOW	QPSK	21.11	21.25	21.16	22.75	
	10	1	LOW	Q16	20.99	21.69	21.53	22.75
			MID	Q16	21.05	21.62	21.77	22.75
HIGH			Q16	21.26	21.62	21.49	22.75	
25		LOW	Q16	20.57	20.43	20.52	22.00	
		MID	Q16	20.33	20.61	20.33	22.00	
		HIGH	Q16	20.60	20.65	20.29	22.00	
50		LOW	Q16	20.45	20.50	20.53	22.00	
10		1	LOW	64QAM	20.41	20.95	20.98	22.00
			MID	64QAM	20.29	20.88	21.04	22.00
	HIGH		64QAM	20.42	20.83	20.96	22.00	
	25	LOW	64QAM	19.62	19.61	19.34	21.00	
		MID	64QAM	19.46	19.27	19.28	21.00	
		HIGH	64QAM	19.37	19.56	19.42	21.00	
	50	LOW	64QAM	19.67	19.75	19.64	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	21.14	21.28	21.22	22.75
MID			QPSK	21.17	21.26	21.19	22.75	
HIGH			QPSK	21.25	21.23	21.20	22.75	
36		LOW	QPSK	21.15	21.24	21.16	22.75	
		MID	QPSK	21.17	21.18	21.16	22.75	
		HIGH	QPSK	21.21	21.22	21.20	22.75	
75		LOW	QPSK	21.22	21.22	21.21	22.75	
15		1	LOW	Q16	21.12	21.62	21.65	22.75
			MID	Q16	21.16	21.61	21.63	22.75
	HIGH		Q16	21.21	21.58	21.60	22.75	
	36	LOW	Q16	20.42	20.53	20.41	22.00	
		MID	Q16	20.43	20.50	20.37	22.00	
		HIGH	Q16	20.48	20.51	20.43	22.00	
	75	LOW	Q16	20.45	20.54	20.48	22.00	
	15	1	LOW	64QAM	20.30	20.94	20.92	22.00
			MID	64QAM	20.33	21.01	20.93	22.00
HIGH			64QAM	20.40	20.96	20.96	22.00	
36		LOW	64QAM	19.49	19.49	19.35	21.00	
		MID	64QAM	19.47	19.42	19.23	21.00	
		HIGH	64QAM	19.41	19.55	19.45	21.00	
75		LOW	64QAM	19.53	19.61	19.51	21.00	

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.02	23.24	23.19	24.00	
		MID	QPSK	22.98	23.23	23.17	24.00	
		HIGH	QPSK	23.02	23.26	23.21	24.00	
	3	LOW	QPSK	23.06	23.24	23.25	24.00	
		MID	QPSK	23.08	23.28	23.26	24.00	
		HIGH	QPSK	23.07	23.24	23.23	24.00	
	6	LOW	QPSK	22.08	22.27	22.17	23.00	
	1.4	1	LOW	Q16	22.21	22.69	22.29	23.00
			MID	Q16	22.15	22.66	22.27	23.00
HIGH			Q16	22.23	22.70	22.34	23.00	
3		LOW	Q16	22.11	22.44	22.37	23.00	
		MID	Q16	22.13	22.46	22.36	23.00	
		HIGH	Q16	22.12	22.43	22.37	23.00	
6		LOW	Q16	21.23	21.16	21.40	22.00	
1.4		1	LOW	64QAM	21.36	21.58	21.29	22.00
			MID	64QAM	21.21	21.69	21.21	22.00
	HIGH		64QAM	21.25	21.59	21.28	22.00	
	3	LOW	64QAM	21.10	21.50	21.33	22.00	
		MID	64QAM	21.07	21.35	21.51	22.00	
		HIGH	64QAM	20.98	21.43	21.47	22.00	
	6	LOW	64QAM	20.16	20.03	20.43	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.08	23.20	23.21	24.00
MID			QPSK	23.26	23.40	23.24	24.00	
HIGH			QPSK	23.50	23.33	23.36	24.00	
8		LOW	QPSK	22.20	22.22	22.23	23.00	
		MID	QPSK	22.40	22.40	22.35	23.00	
		HIGH	QPSK	22.14	22.22	22.38	23.00	
15		LOW	QPSK	22.26	22.44	22.32	23.00	
3		1	LOW	Q16	22.83	22.66	22.51	23.00
			MID	Q16	22.89	22.83	22.54	23.00
	HIGH		Q16	22.79	22.89	22.87	23.00	
	8	LOW	Q16	21.26	21.38	21.01	22.00	
		MID	Q16	21.21	21.44	21.27	22.00	
		HIGH	Q16	21.38	21.33	21.13	22.00	
	15	LOW	Q16	21.27	21.39	21.21	22.00	
	3	1	LOW	64QAM	21.62	21.76	21.50	22.00
			MID	64QAM	21.94	21.54	21.90	22.00
HIGH			64QAM	21.87	21.72	21.73	22.00	
8		LOW	64QAM	20.12	20.29	20.45	21.00	
		MID	64QAM	20.12	20.37	19.97	21.00	
		HIGH	64QAM	20.36	20.14	20.22	21.00	
15		LOW	64QAM	20.06	20.54	20.17	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.23	23.42	23.09	24.00
	MID		QPSK	23.36	23.37	23.01	24.00	
	HIGH		QPSK	23.34	23.51	23.35	24.00	
	12	LOW	QPSK	22.28	22.27	22.26	23.00	
		MID	QPSK	22.13	22.28	22.40	23.00	
		HIGH	QPSK	22.35	22.23	22.17	23.00	
	25	LOW	QPSK	22.37	22.34	22.20	23.00	
	5	1	LOW	Q16	22.80	22.65	22.63	23.00
			MID	Q16	22.72	22.75	22.79	23.00
HIGH			Q16	22.87	22.67	22.78	23.00	
12		LOW	Q16	21.29	21.29	21.27	22.00	
		MID	Q16	21.29	21.38	21.14	22.00	
		HIGH	Q16	21.27	21.30	21.25	22.00	
25		LOW	Q16	21.39	21.25	21.24	22.00	
5		1	LOW	64QAM	21.41	21.58	21.48	22.00
			MID	64QAM	21.84	21.56	21.75	22.00
	HIGH		64QAM	21.71	21.74	21.77	22.00	
	12	LOW	64QAM	20.03	20.08	20.21	21.00	
		MID	64QAM	20.31	20.29	20.06	21.00	
		HIGH	64QAM	20.31	20.21	20.40	21.00	
	25	LOW	64QAM	20.00	20.52	20.03	21.00	

LTE B66-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.18	23.15	23.13	24.00	
		MID	QPSK	23.30	23.25	23.02	24.00	
		HIGH	QPSK	23.32	23.34	23.23	24.00	
	25	LOW	QPSK	22.06	22.34	22.21	23.00	
		MID	QPSK	22.18	22.26	22.11	23.00	
		HIGH	QPSK	22.28	22.35	22.26	23.00	
	50	LOW	QPSK	22.28	22.23	22.38	23.00	
	10	1	LOW	Q16	22.58	22.78	22.63	23.00
			MID	Q16	22.74	22.86	22.66	23.00
HIGH			Q16	22.90	22.88	22.63	23.00	
25		LOW	Q16	21.20	21.31	21.09	22.00	
		MID	Q16	21.24	21.35	21.20	22.00	
		HIGH	Q16	21.41	21.29	21.13	22.00	
50		LOW	Q16	21.35	21.31	21.28	22.00	
10		1	LOW	64QAM	21.84	21.60	21.65	22.00
			MID	64QAM	21.96	21.71	21.76	22.00
	HIGH		64QAM	21.91	21.91	21.56	22.00	
	25	LOW	64QAM	20.22	20.35	19.97	21.00	
		MID	64QAM	20.48	20.31	20.22	21.00	
		HIGH	64QAM	20.40	20.27	20.11	21.00	
	50	LOW	64QAM	20.18	20.30	20.26	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.27	23.40	23.22	24.00
MID			QPSK	23.32	23.29	23.21	24.00	
HIGH			QPSK	23.41	23.26	23.35	24.00	
36		LOW	QPSK	22.04	22.29	22.17	23.00	
		MID	QPSK	22.16	22.39	22.27	23.00	
		HIGH	QPSK	22.39	22.18	22.22	23.00	
75		LOW	QPSK	22.34	22.27	22.37	23.00	
15		1	LOW	Q16	22.59	22.68	22.51	23.00
			MID	Q16	22.80	22.61	22.69	23.00
	HIGH		Q16	22.94	22.81	22.83	23.00	
	36	LOW	Q16	21.19	21.38	21.20	22.00	
		MID	Q16	21.34	21.21	21.22	22.00	
		HIGH	Q16	21.43	21.21	21.25	22.00	
	75	LOW	Q16	21.17	21.40	21.30	22.00	
	15	1	LOW	64QAM	21.93	21.59	21.88	22.00
			MID	64QAM	21.80	21.56	21.92	22.00
HIGH			64QAM	21.82	21.71	21.72	22.00	
36		LOW	64QAM	20.19	20.37	20.22	21.00	
		MID	64QAM	20.42	20.19	20.27	21.00	
		HIGH	64QAM	20.46	20.52	20.24	21.00	
75		LOW	64QAM	20.01	20.48	20.29	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	23.12	23.29	23.15	24.00
	MID		QPSK	23.21	23.33	23.15	24.00	
	HIGH		QPSK	23.38	23.36	23.31	24.00	
	50	LOW	QPSK	22.18	22.28	22.20	23.00	
		MID	QPSK	22.27	22.31	22.25	23.00	
		HIGH	QPSK	22.29	22.33	22.24	23.00	
	100	LOW	QPSK	22.23	22.29	22.25	23.00	
	20	1	LOW	Q16	22.69	22.70	22.62	23.00
			MID	Q16	22.76	22.73	22.65	23.00
HIGH			Q16	22.74	22.76	22.74	23.00	
50		LOW	Q16	21.19	21.30	21.16	22.00	
		MID	Q16	21.27	21.31	21.23	22.00	
		HIGH	Q16	21.29	21.34	21.20	22.00	
100		LOW	Q16	21.24	21.28	21.22	22.00	
20		1	LOW	64QAM	21.80	21.73	21.76	22.00
			MID	64QAM	21.84	21.70	21.80	22.00
	HIGH		64QAM	21.87	21.80	21.68	22.00	
	50	LOW	64QAM	20.19	20.25	20.12	21.00	
		MID	64QAM	20.35	20.27	20.25	21.00	
		HIGH	64QAM	20.36	20.38	20.21	21.00	
	100	LOW	64QAM	20.12	20.40	20.36	21.00	

LTE B66-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)	
1.4	1	LOW	QPSK	19.98	20.19	20.14	21.00	
		MID	QPSK	19.96	20.17	20.13	21.00	
		HIGH	QPSK	19.98	20.19	20.14	21.00	
	3	LOW	QPSK	20.05	20.16	20.16	21.00	
		MID	QPSK	20.06	20.21	20.18	21.00	
		HIGH	QPSK	20.04	20.20	20.18	21.00	
	6	LOW	QPSK	20.04	20.22	20.11	21.00	
	1.4	1	LOW	Q16	20.13	20.64	20.20	21.00
			MID	Q16	20.17	20.61	20.18	21.00
HIGH			Q16	20.17	20.66	20.22	21.00	
3		LOW	Q16	20.07	20.40	20.31	21.00	
		MID	Q16	20.12	20.38	20.33	21.00	
		HIGH	Q16	20.11	20.37	20.32	21.00	
6		LOW	Q16	20.18	20.10	20.37	21.00	
1.4		1	LOW	64QAM	20.26	20.76	20.14	21.00
			MID	64QAM	20.27	20.72	20.19	21.00
	HIGH		64QAM	20.05	20.53	20.27	21.00	
	3	LOW	64QAM	20.16	20.30	20.27	21.00	
		MID	64QAM	20.16	20.51	20.33	21.00	
		HIGH	64QAM	20.20	20.22	20.23	21.00	
	6	LOW	64QAM	20.21	20.01	20.26	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
	3	1	LOW	QPSK	20.20	20.17	20.23	21.00
MID			QPSK	20.23	20.35	20.32	21.00	
HIGH			QPSK	20.31	20.35	20.34	21.00	
8		LOW	QPSK	20.19	20.11	20.18	21.00	
		MID	QPSK	20.14	20.39	20.11	21.00	
		HIGH	QPSK	20.21	20.23	20.14	21.00	
15		LOW	QPSK	20.19	20.12	20.35	21.00	
3		1	LOW	Q16	20.69	20.56	20.48	21.00
			MID	Q16	20.78	20.53	20.65	21.00
	HIGH		Q16	21.00	20.63	20.86	21.00	
	8	LOW	Q16	20.09	20.38	20.23	21.00	
		MID	Q16	20.27	20.33	20.26	21.00	
		HIGH	Q16	20.37	20.21	20.08	21.00	
	15	LOW	Q16	20.34	20.25	20.12	21.00	
	3	1	LOW	64QAM	20.65	20.59	20.56	21.00
			MID	64QAM	20.59	20.89	20.64	21.00
HIGH			64QAM	20.86	20.68	20.87	21.00	
8		LOW	64QAM	20.23	19.99	20.24	21.00	
		MID	64QAM	20.02	20.14	20.11	21.00	
		HIGH	64QAM	20.18	20.30	20.40	21.00	
15		LOW	64QAM	20.12	20.40	20.07	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5		1	LOW	QPSK	20.28	20.13	20.11	21.00
	MID		QPSK	20.19	20.20	20.11	21.00	
	HIGH		QPSK	20.50	20.28	20.37	21.00	
	12	LOW	QPSK	20.20	20.30	20.35	21.00	
		MID	QPSK	20.38	20.18	20.12	21.00	
		HIGH	QPSK	20.38	20.35	20.35	21.00	
	25	LOW	QPSK	20.12	20.38	20.31	21.00	
	5	1	LOW	Q16	20.60	20.55	20.55	21.00
			MID	Q16	20.61	20.55	20.58	21.00
HIGH			Q16	20.94	20.70	20.83	21.00	
12		LOW	Q16	20.16	20.27	20.15	21.00	
		MID	Q16	20.40	20.43	20.30	21.00	
		HIGH	Q16	20.18	20.33	20.12	21.00	
25		LOW	Q16	20.19	20.37	20.05	21.00	
5		1	LOW	64QAM	20.68	20.75	20.63	21.00
			MID	64QAM	20.73	20.78	20.60	21.00
	HIGH		64QAM	20.76	20.65	20.70	21.00	
	12	LOW	64QAM	20.07	20.24	20.29	21.00	
		MID	64QAM	20.06	20.23	20.23	21.00	
		HIGH	64QAM	20.16	20.38	20.16	21.00	
	25	LOW	64QAM	20.30	20.48	20.24	21.00	

LTE B66-State1 &3-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	1	LOW	QPSK	20.07	20.24	20.17	21.00	
		MID	QPSK	20.14	20.31	20.05	21.00	
		HIGH	QPSK	20.21	20.22	20.29	21.00	
	25	LOW	QPSK	20.12	20.27	20.13	21.00	
		MID	QPSK	20.24	20.34	20.39	21.00	
		HIGH	QPSK	20.39	20.20	20.36	21.00	
	50	LOW	QPSK	20.12	20.41	20.17	21.00	
	10	1	LOW	Q16	20.77	20.70	20.68	21.00
			MID	Q16	20.58	20.57	20.66	21.00
HIGH			Q16	20.99	20.76	20.62	21.00	
25		LOW	Q16	20.00	20.30	20.07	21.00	
		MID	Q16	20.18	20.35	20.16	21.00	
		HIGH	Q16	20.17	20.31	20.32	21.00	
50		LOW	Q16	20.31	20.41	20.34	21.00	
10		1	LOW	64QAM	20.79	20.66	20.64	21.00
			MID	64QAM	20.63	20.79	20.60	21.00
	HIGH		64QAM	20.74	20.48	20.73	21.00	
	25	LOW	64QAM	20.11	20.05	20.25	21.00	
		MID	64QAM	20.20	20.39	20.27	21.00	
		HIGH	64QAM	20.33	20.28	20.42	21.00	
	50	LOW	64QAM	20.28	20.40	20.13	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	1	LOW	QPSK	20.10	20.16	20.23	21.00
MID			QPSK	20.05	20.23	20.08	21.00	
HIGH			QPSK	20.33	20.23	20.22	21.00	
36		LOW	QPSK	20.23	20.33	20.19	21.00	
		MID	QPSK	20.33	20.41	20.25	21.00	
		HIGH	QPSK	20.24	20.40	20.15	21.00	
75		LOW	QPSK	20.09	20.17	20.24	21.00	
15		1	LOW	Q16	20.81	20.61	20.44	21.00
			MID	Q16	20.84	20.57	20.50	21.00
	HIGH		Q16	20.98	20.58	20.79	21.00	
	36	LOW	Q16	20.26	20.22	20.30	21.00	
		MID	Q16	20.37	20.42	20.32	21.00	
		HIGH	Q16	20.36	20.46	20.23	21.00	
	75	LOW	Q16	20.21	20.38	20.26	21.00	
	15	1	LOW	64QAM	20.53	20.58	20.62	21.00
			MID	64QAM	20.63	20.75	20.69	21.00
HIGH			64QAM	20.89	20.43	20.75	21.00	
36		LOW	64QAM	20.24	20.02	20.12	21.00	
		MID	64QAM	20.19	20.33	20.32	21.00	
		HIGH	64QAM	20.39	20.17	20.25	21.00	
75		LOW	64QAM	20.30	20.47	20.21	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20		1	LOW	QPSK	20.13	20.26	20.14	21.00
	MID		QPSK	20.19	20.29	20.18	21.00	
	HIGH		QPSK	20.28	20.33	20.35	21.00	
	50	LOW	QPSK	20.15	20.25	20.21	21.00	
		MID	QPSK	20.23	20.27	20.26	21.00	
		HIGH	QPSK	20.27	20.29	20.22	21.00	
	100	LOW	QPSK	20.21	20.26	20.22	21.00	
	20	1	LOW	Q16	20.67	20.56	20.55	21.00
			MID	Q16	20.69	20.61	20.63	21.00
HIGH			Q16	20.90	20.64	20.73	21.00	
50		LOW	Q16	20.14	20.25	20.15	21.00	
		MID	Q16	20.25	20.29	20.21	21.00	
		HIGH	Q16	20.26	20.33	20.20	21.00	
100		LOW	Q16	20.23	20.27	20.20	21.00	
20		1	LOW	64QAM	20.66	20.71	20.68	21.00
			MID	64QAM	20.61	20.75	20.62	21.00
	HIGH		64QAM	20.79	20.53	20.81	21.00	
	50	LOW	64QAM	20.14	20.13	20.18	21.00	
		MID	64QAM	20.11	20.28	20.19	21.00	
		HIGH	64QAM	20.27	20.29	20.29	21.00	
	100	LOW	64QAM	20.17	20.38	20.20	21.00	

LTE B66-State2&4 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)
1.4	1	LOW	QPSK	23.02	23.24	23.19	24.00
		MID	QPSK	22.98	23.23	23.17	24.00
		HIGH	QPSK	23.02	23.26	23.21	24.00
	3	LOW	QPSK	23.06	23.24	23.25	24.00
		MID	QPSK	23.08	23.28	23.26	24.00
		HIGH	QPSK	23.07	23.24	23.23	24.00
6	LOW	QPSK	22.08	22.27	22.17	23.00	
1.4	1	LOW	Q16	22.21	22.69	22.29	23.00
		MID	Q16	22.15	22.66	22.27	23.00
		HIGH	Q16	22.23	22.70	22.34	23.00
	3	LOW	Q16	22.11	22.44	22.37	23.00
		MID	Q16	22.13	22.46	22.36	23.00
		HIGH	Q16	22.12	22.43	22.37	23.00
6	LOW	Q16	21.23	21.16	21.40	22.00	
1.4	1	LOW	64QAM	21.17	21.67	21.42	22.00
		MID	64QAM	21.22	21.51	21.39	22.00
		HIGH	64QAM	21.17	21.72	21.34	22.00
	3	LOW	64QAM	21.19	21.50	21.37	22.00
		MID	64QAM	21.16	21.61	21.26	22.00
		HIGH	64QAM	21.14	21.30	21.41	22.00
6	LOW	64QAM	20.31	20.21	20.36	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
3	1	LOW	QPSK	23.09	23.34	23.20	24.00
		MID	QPSK	23.34	23.38	23.22	24.00
		HIGH	QPSK	23.34	23.29	23.21	24.00
	8	LOW	QPSK	22.09	22.34	22.14	23.00
		MID	QPSK	22.31	22.30	22.27	23.00
		HIGH	QPSK	22.23	22.29	22.23	23.00
15	LOW	QPSK	22.34	22.18	22.27	23.00	
3	1	LOW	Q16	22.57	22.59	22.61	23.00
		MID	Q16	22.67	22.68	22.71	23.00
		HIGH	Q16	22.86	22.81	22.74	23.00
	8	LOW	Q16	21.34	21.39	21.02	22.00
		MID	Q16	21.40	21.16	21.28	22.00
		HIGH	Q16	21.24	21.37	21.33	22.00
15	LOW	Q16	21.31	21.17	21.32	22.00	
3	1	LOW	64QAM	21.64	21.61	21.80	22.00
		MID	64QAM	21.92	21.60	21.58	22.00
		HIGH	64QAM	21.84	21.78	21.71	22.00
	8	LOW	64QAM	20.41	20.25	19.93	21.00
		MID	64QAM	20.46	20.58	20.35	21.00
		HIGH	64QAM	20.32	20.43	20.08	21.00
15	LOW	64QAM	20.04	20.46	20.35	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5	1	LOW	QPSK	23.25	23.38	23.02	24.00
		MID	QPSK	23.27	23.25	23.05	24.00
		HIGH	QPSK	23.51	23.43	23.27	24.00
	12	LOW	QPSK	22.19	22.21	22.11	23.00
		MID	QPSK	22.26	22.44	22.38	23.00
		HIGH	QPSK	22.18	22.33	22.25	23.00
25	LOW	QPSK	22.18	22.29	22.28	23.00	
5	1	LOW	Q16	22.76	22.69	22.48	23.00
		MID	Q16	22.84	22.75	22.61	23.00
		HIGH	Q16	22.71	22.75	22.72	23.00
	12	LOW	Q16	21.29	21.18	21.03	22.00
		MID	Q16	21.20	21.46	21.17	22.00
		HIGH	Q16	21.38	21.48	21.31	22.00
25	LOW	Q16	21.29	21.41	21.11	22.00	
5	1	LOW	64QAM	21.49	21.63	21.70	22.00
		MID	64QAM	21.67	21.80	21.73	22.00
		HIGH	64QAM	21.97	21.89	21.73	22.00
	12	LOW	64QAM	20.23	20.30	19.86	21.00
		MID	64QAM	20.22	20.58	20.29	21.00
		HIGH	64QAM	20.34	20.36	20.12	21.00
25	LOW	64QAM	20.24	20.45	20.23	21.00	

LTE B66-State2&4 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	1	LOW	QPSK	23.02	23.16	23.23	24.00	
		MID	QPSK	23.25	23.27	23.16	24.00	
		HIGH	QPSK	23.25	23.48	23.31	24.00	
	25	LOW	QPSK	22.23	22.32	22.28	23.00	
		MID	QPSK	22.31	22.32	22.10	23.00	
		HIGH	QPSK	22.17	22.20	22.19	23.00	
	50	LOW	QPSK	22.28	22.25	22.40	23.00	
	10	1	LOW	Q16	22.62	22.76	22.66	23.00
			MID	Q16	22.81	22.71	22.69	23.00
HIGH			Q16	22.75	22.74	22.69	23.00	
25		LOW	Q16	21.25	21.24	21.19	22.00	
		MID	Q16	21.23	21.24	21.38	22.00	
		HIGH	Q16	21.20	21.31	21.35	22.00	
50		LOW	Q16	21.27	21.23	21.28	22.00	
10		1	LOW	64QAM	21.56	21.74	21.70	22.00
			MID	64QAM	21.85	21.91	21.60	22.00
	HIGH		64QAM	21.77	21.71	21.73	22.00	
	25	LOW	64QAM	20.42	20.13	20.26	21.00	
		MID	64QAM	20.32	20.26	20.23	21.00	
		HIGH	64QAM	20.25	20.26	20.30	21.00	
	50	LOW	64QAM	20.34	20.27	20.15	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	1	LOW	QPSK	23.27	23.44	23.21	24.00
MID			QPSK	23.27	23.44	23.21	24.00	
HIGH			QPSK	23.50	23.51	23.28	24.00	
36		LOW	QPSK	22.28	22.13	22.21	23.00	
		MID	QPSK	22.39	22.22	22.27	23.00	
		HIGH	QPSK	22.39	22.28	22.09	23.00	
75		LOW	QPSK	22.13	22.25	22.11	23.00	
15		1	LOW	Q16	22.62	22.79	22.63	23.00
			MID	Q16	22.64	22.83	22.53	23.00
	HIGH		Q16	22.96	22.66	22.72	23.00	
	36	LOW	Q16	21.29	21.24	21.20	22.00	
		MID	Q16	21.41	21.32	21.12	22.00	
		HIGH	Q16	21.19	21.48	21.13	22.00	
	75	LOW	Q16	21.24	21.16	21.37	22.00	
	15	1	LOW	64QAM	21.70	21.81	21.76	22.00
			MID	64QAM	21.79	21.75	21.69	22.00
HIGH			64QAM	21.93	21.72	21.63	22.00	
36		LOW	64QAM	20.48	20.23	20.20	21.00	
		MID	64QAM	20.39	20.18	20.45	21.00	
		HIGH	64QAM	20.33	20.27	20.10	21.00	
75		LOW	64QAM	20.52	20.04	20.00	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20		1	LOW	QPSK	23.12	23.29	23.15	24.00
	MID		QPSK	23.21	23.33	23.15	24.00	
	HIGH		QPSK	23.38	23.36	23.31	24.00	
	50	LOW	QPSK	22.18	22.28	22.20	23.00	
		MID	QPSK	22.27	22.31	22.25	23.00	
		HIGH	QPSK	22.29	22.33	22.24	23.00	
	100	LOW	QPSK	22.23	22.29	22.25	23.00	
	20	1	LOW	Q16	22.69	22.70	22.62	23.00
			MID	Q16	22.76	22.73	22.65	23.00
HIGH			Q16	22.74	22.76	22.74	23.00	
50		LOW	Q16	21.19	21.30	21.16	22.00	
		MID	Q16	21.27	21.31	21.23	22.00	
		HIGH	Q16	21.29	21.34	21.20	22.00	
100		LOW	Q16	21.24	21.28	21.22	22.00	
20		1	LOW	64QAM	21.66	21.84	21.63	22.00
			MID	64QAM	21.86	21.83	21.73	22.00
	HIGH		64QAM	21.89	21.63	21.77	22.00	
	50	LOW	64QAM	20.33	20.19	20.23	21.00	
		MID	64QAM	20.25	20.29	20.36	21.00	
		HIGH	64QAM	20.31	20.36	20.15	21.00	
	100	LOW	64QAM	20.39	20.15	20.07	21.00	

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.78	22.90	22.49	23.50	
		MID	QPSK	22.76	22.81	22.65	23.50	
		HIGH	QPSK	22.66	22.61	22.88	23.50	
	3	LOW	QPSK	22.77	22.70	22.54	23.50	
		MID	QPSK	22.67	22.83	22.54	23.50	
		HIGH	QPSK	22.63	22.57	22.90	23.50	
	6	LOW	QPSK	21.58	21.65	21.97	22.50	
	1.4	1	LOW	Q16	21.55	21.78	21.94	22.50
			MID	Q16	21.61	21.96	21.68	22.50
HIGH			Q16	21.82	21.87	21.81	22.50	
3		LOW	Q16	21.64	21.59	21.77	22.50	
		MID	Q16	21.80	21.72	21.84	22.50	
		HIGH	Q16	21.83	21.68	21.70	22.50	
6		LOW	Q16	20.87	20.69	20.69	21.50	
1.4		1	LOW	64QAM	20.41	20.82	21.06	21.50
			MID	64QAM	20.76	20.93	20.77	21.50
	HIGH		64QAM	20.71	20.79	20.91	21.50	
	3	LOW	64QAM	20.73	20.48	20.69	21.50	
		MID	64QAM	20.90	20.70	20.73	21.50	
		HIGH	64QAM	20.91	20.54	20.63	21.50	
	6	LOW	64QAM	19.85	19.63	19.57	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.84	22.68	22.62	23.50
MID			QPSK	22.69	22.54	22.53	23.50	
HIGH			QPSK	22.72	22.66	22.96	23.50	
8		LOW	QPSK	21.94	21.72	21.56	22.50	
		MID	QPSK	21.68	21.52	21.60	22.50	
		HIGH	QPSK	21.63	21.76	21.74	22.50	
15		LOW	QPSK	21.68	21.55	21.95	22.50	
3		1	LOW	Q16	21.77	21.76	21.87	22.50
			MID	Q16	21.58	21.91	21.72	22.50
	HIGH		Q16	21.84	21.90	21.78	22.50	
	8	LOW	Q16	20.89	20.79	20.48	21.50	
		MID	Q16	20.47	20.86	20.65	21.50	
		HIGH	Q16	20.95	20.65	20.57	21.50	
	15	LOW	Q16	20.83	20.45	20.52	21.50	
	3	1	LOW	64QAM	20.74	20.82	20.74	21.50
			MID	64QAM	20.71	20.76	20.97	21.50
HIGH			64QAM	20.55	20.84	20.76	21.50	
8		LOW	64QAM	19.60	19.59	19.65	20.50	
		MID	64QAM	19.62	19.75	19.54	20.50	
		HIGH	64QAM	19.79	19.73	19.72	20.50	
15		LOW	64QAM	20.05	19.49	19.56	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.78	22.79	22.59	23.50
	MID		QPSK	22.54	22.79	22.41	23.50	
	HIGH		QPSK	22.81	22.61	22.83	23.50	
	12	LOW	QPSK	21.82	21.50	21.56	22.50	
		MID	QPSK	21.73	21.48	21.58	22.50	
		HIGH	QPSK	21.78	21.55	21.76	22.50	
	25	LOW	QPSK	21.46	21.75	21.74	22.50	
	5	1	LOW	Q16	21.53	21.76	21.82	22.50
			MID	Q16	21.55	21.75	21.62	22.50
HIGH			Q16	21.80	21.90	21.74	22.50	
12		LOW	Q16	20.71	20.66	20.76	21.50	
		MID	Q16	20.54	20.65	20.59	21.50	
		HIGH	Q16	20.86	20.71	20.80	21.50	
25		LOW	Q16	20.96	20.68	20.67	21.50	
5		1	LOW	64QAM	20.64	20.63	20.73	21.50
			MID	64QAM	20.64	20.95	20.72	21.50
	HIGH		64QAM	20.55	20.68	20.79	21.50	
	12	LOW	64QAM	19.65	19.60	19.55	20.50	
		MID	64QAM	19.76	19.71	19.65	20.50	
		HIGH	64QAM	19.62	19.72	19.89	20.50	
	25	LOW	64QAM	19.96	19.40	19.71	20.50	

LTE B66-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.81	22.93	22.62	23.50	
		MID	QPSK	22.76	22.56	22.52	23.50	
		HIGH	QPSK	22.75	22.52	22.91	23.50	
	25	LOW	QPSK	21.65	21.46	21.57	22.50	
		MID	QPSK	21.70	21.46	21.79	22.50	
		HIGH	QPSK	21.70	21.53	21.77	22.50	
	50	LOW	QPSK	21.74	21.66	21.99	22.50	
	10	1	LOW	Q16	21.70	21.81	21.78	22.50
			MID	Q16	21.58	21.94	21.64	22.50
HIGH			Q16	21.69	21.82	21.70	22.50	
25		LOW	Q16	20.68	20.59	20.46	21.50	
		MID	Q16	20.46	20.75	20.45	21.50	
		HIGH	Q16	20.79	20.84	20.55	21.50	
50		LOW	Q16	20.94	20.52	20.51	21.50	
10		1	LOW	64QAM	20.90	20.77	20.62	21.50
			MID	64QAM	20.55	20.78	21.01	21.50
	HIGH		64QAM	20.47	20.82	20.65	21.50	
	25	LOW	64QAM	19.62	19.45	19.48	20.50	
		MID	64QAM	19.52	19.77	19.82	20.50	
		HIGH	64QAM	19.62	19.83	19.91	20.50	
	50	LOW	64QAM	20.03	19.69	19.70	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.85	22.63	22.67	23.50
MID			QPSK	22.66	22.80	22.59	23.50	
HIGH			QPSK	22.69	22.49	22.97	23.50	
36		LOW	QPSK	21.76	21.57	21.80	22.50	
		MID	QPSK	21.63	21.67	21.63	22.50	
		HIGH	QPSK	21.74	21.68	21.67	22.50	
75		LOW	QPSK	21.69	21.64	21.77	22.50	
15		1	LOW	Q16	21.65	21.87	21.87	22.50
			MID	Q16	21.66	21.72	21.74	22.50
	HIGH		Q16	21.75	21.68	21.86	22.50	
	36	LOW	Q16	20.75	20.88	20.56	21.50	
		MID	Q16	20.67	20.84	20.62	21.50	
		HIGH	Q16	20.72	20.76	20.65	21.50	
	75	LOW	Q16	20.95	20.43	20.60	21.50	
	15	1	LOW	64QAM	20.68	20.80	20.80	21.50
			MID	64QAM	20.73	20.83	20.71	21.50
HIGH			64QAM	20.64	20.95	20.72	21.50	
36		LOW	64QAM	19.71	19.71	19.61	20.50	
		MID	64QAM	19.61	19.51	19.59	20.50	
		HIGH	64QAM	19.86	19.92	19.71	20.50	
75		LOW	64QAM	20.04	19.53	19.74	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.81	22.78	22.56	23.50
	MID		QPSK	22.65	22.69	22.56	23.50	
	HIGH		QPSK	22.66	22.62	22.83	23.50	
	50	LOW	QPSK	21.80	21.61	21.69	22.50	
		MID	QPSK	21.71	21.57	21.65	22.50	
		HIGH	QPSK	21.64	21.65	21.81	22.50	
	100	LOW	QPSK	21.59	21.69	21.85	22.50	
	20	1	LOW	Q16	21.65	21.77	21.84	22.50
			MID	Q16	21.69	21.82	21.74	22.50
HIGH			Q16	21.70	21.78	21.82	22.50	
50		LOW	Q16	20.81	20.73	20.61	21.50	
		MID	Q16	20.59	20.72	20.57	21.50	
		HIGH	Q16	20.81	20.78	20.66	21.50	
100		LOW	Q16	20.81	20.58	20.56	21.50	
20		1	LOW	64QAM	20.75	20.68	20.71	21.50
			MID	64QAM	20.62	20.87	20.86	21.50
	HIGH		64QAM	20.55	20.81	20.75	21.50	
	50	LOW	64QAM	19.70	19.59	19.59	20.50	
		MID	64QAM	19.61	19.66	19.68	20.50	
		HIGH	64QAM	19.77	19.82	19.78	20.50	
	100	LOW	64QAM	19.92	19.54	19.71	20.50	

LTE B66-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.79	17.72	17.58	18.50	
		MID	QPSK	17.82	17.87	17.74	18.50	
		HIGH	QPSK	17.60	17.55	17.87	18.50	
	3	LOW	QPSK	17.79	17.76	17.62	18.50	
		MID	QPSK	17.65	17.91	17.69	18.50	
		HIGH	QPSK	17.68	17.45	17.61	18.50	
	6	LOW	QPSK	17.78	17.54	17.77	18.50	
	1.4	1	LOW	Q16	17.75	17.84	17.47	18.50
			MID	Q16	17.79	17.78	17.85	18.50
HIGH			Q16	17.64	17.49	17.57	18.50	
3		LOW	Q16	17.88	17.62	17.72	18.50	
		MID	Q16	17.64	17.64	17.81	18.50	
		HIGH	Q16	17.67	17.61	17.57	18.50	
6		LOW	Q16	17.48	17.91	17.87	18.50	
1.4		1	LOW	64QAM	17.80	17.77	17.56	18.50
			MID	64QAM	17.79	17.67	17.89	18.50
	HIGH		64QAM	17.52	17.43	17.69	18.50	
	3	LOW	64QAM	17.90	17.61	17.78	18.50	
		MID	64QAM	17.64	17.61	17.92	18.50	
		HIGH	64QAM	17.62	17.55	17.70	18.50	
	6	LOW	64QAM	17.47	17.76	17.88	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	17.79	17.83	17.65	18.50
MID			QPSK	17.71	17.83	17.60	18.50	
HIGH			QPSK	17.68	17.71	17.68	18.50	
8		LOW	QPSK	17.70	17.59	17.64	18.50	
		MID	QPSK	17.61	17.81	17.55	18.50	
		HIGH	QPSK	17.57	17.77	17.68	18.50	
15		LOW	QPSK	17.66	17.64	17.56	18.50	
3		1	LOW	Q16	17.75	17.73	17.71	18.50
			MID	Q16	17.53	17.77	17.76	18.50
	HIGH		Q16	17.72	17.67	17.51	18.50	
	8	LOW	Q16	17.91	17.84	17.88	18.50	
		MID	Q16	17.86	17.84	17.80	18.50	
		HIGH	Q16	17.72	17.91	17.51	18.50	
	15	LOW	Q16	17.78	17.93	17.70	18.50	
	3	1	LOW	64QAM	17.58	17.63	17.65	18.50
			MID	64QAM	17.40	17.72	17.68	18.50
HIGH			64QAM	17.58	17.67	17.48	18.50	
8		LOW	64QAM	17.78	17.87	17.74	18.50	
		MID	64QAM	17.51	17.89	17.99	18.50	
		HIGH	64QAM	17.64	17.86	17.71	18.50	
15		LOW	64QAM	17.73	17.93	17.57	18.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	17.80	17.92	17.70	18.50
	MID		QPSK	17.86	17.77	17.68	18.50	
	HIGH		QPSK	17.60	17.56	17.64	18.50	
	12	LOW	QPSK	17.60	17.55	17.53	18.50	
		MID	QPSK	17.80	17.73	17.56	18.50	
		HIGH	QPSK	17.43	17.57	17.73	18.50	
	25	LOW	QPSK	17.62	17.58	17.57	18.50	
	5	1	LOW	Q16	17.71	17.64	17.73	18.50
			MID	Q16	17.72	17.75	17.81	18.50
HIGH			Q16	17.48	17.60	17.50	18.50	
12		LOW	Q16	17.87	17.88	17.68	18.50	
		MID	Q16	17.65	17.66	17.86	18.50	
		HIGH	Q16	17.56	17.68	17.52	18.50	
25		LOW	Q16	17.65	17.67	17.84	18.50	
5		1	LOW	64QAM	17.53	17.67	17.55	18.50
			MID	64QAM	17.61	17.86	17.86	18.50
	HIGH		64QAM	17.55	17.73	17.49	18.50	
	12	LOW	64QAM	17.74	18.01	17.85	18.50	
		MID	64QAM	17.75	17.78	17.82	18.50	
		HIGH	64QAM	17.67	17.91	17.64	18.50	
	25	LOW	64QAM	17.76	17.76	17.54	18.50	

LTE B66-State1&3 -Ant.0(Only for ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	17.80	17.68	17.75	18.50
		MID	QPSK	17.69	17.78	17.55	18.50
		HIGH	QPSK	17.83	17.44	17.68	18.50
	25	LOW	QPSK	17.50	17.56	17.59	18.50
		MID	QPSK	17.84	17.86	17.58	18.50
		HIGH	QPSK	17.69	17.79	17.78	18.50
50	LOW	QPSK	17.85	17.76	17.75	18.50	
10	1	LOW	Q16	17.88	17.81	17.75	18.50
		MID	Q16	17.56	17.71	17.70	18.50
		HIGH	Q16	17.71	17.50	17.55	18.50
	25	LOW	Q16	17.87	17.85	17.66	18.50
		MID	Q16	17.65	17.83	17.97	18.50
		HIGH	Q16	17.60	17.86	17.53	18.50
50	LOW	Q16	17.48	17.82	17.85	18.50	
10	1	LOW	64QAM	17.60	17.86	17.62	18.50
		MID	64QAM	17.37	17.64	17.78	18.50
		HIGH	64QAM	17.58	17.69	17.68	18.50
	25	LOW	64QAM	17.67	17.91	17.72	18.50
		MID	64QAM	17.67	17.73	17.86	18.50
		HIGH	64QAM	17.82	17.82	17.67	18.50
50	LOW	64QAM	17.59	17.87	17.57	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	17.75	17.85	17.81	18.50
		MID	QPSK	17.92	17.77	17.80	18.50
		HIGH	QPSK	17.66	17.71	17.60	18.50
	36	LOW	QPSK	17.69	17.68	17.71	18.50
		MID	QPSK	17.78	17.89	17.79	18.50
		HIGH	QPSK	17.62	17.63	17.80	18.50
75	LOW	QPSK	17.65	17.62	17.81	18.50	
15	1	LOW	Q16	17.70	17.77	17.57	18.50
		MID	Q16	17.62	17.59	17.57	18.50
		HIGH	Q16	17.58	17.52	17.63	18.50
	36	LOW	Q16	17.73	17.84	17.88	18.50
		MID	Q16	17.78	17.74	17.69	18.50
		HIGH	Q16	17.75	17.75	17.57	18.50
75	LOW	Q16	17.62	17.75	17.97	18.50	
15	1	LOW	64QAM	17.55	17.83	17.65	18.50
		MID	64QAM	17.40	17.84	17.56	18.50
		HIGH	64QAM	17.51	17.73	17.52	18.50
	36	LOW	64QAM	17.57	17.87	17.89	18.50
		MID	64QAM	17.71	17.64	18.04	18.50
		HIGH	64QAM	17.59	17.84	17.69	18.50
75	LOW	64QAM	17.57	17.82	17.70	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	17.82	17.78	17.66	18.50
		MID	QPSK	17.78	17.76	17.69	18.50
		HIGH	QPSK	17.71	17.58	17.75	18.50
	50	LOW	QPSK	17.59	17.63	17.59	18.50
		MID	QPSK	17.71	17.76	17.67	18.50
		HIGH	QPSK	17.58	17.66	17.83	18.50
100	LOW	QPSK	17.70	17.68	17.71	18.50	
20	1	LOW	Q16	17.79	17.74	17.61	18.50
		MID	Q16	17.64	17.72	17.71	18.50
		HIGH	Q16	17.59	17.61	17.65	18.50
	50	LOW	Q16	17.80	17.82	17.80	18.50
		MID	Q16	17.71	17.79	17.82	18.50
		HIGH	Q16	17.62	17.80	17.62	18.50
100	LOW	Q16	17.63	17.80	17.82	18.50	
20	1	LOW	64QAM	17.67	17.73	17.60	18.50
		MID	64QAM	17.50	17.79	17.71	18.50
		HIGH	64QAM	17.45	17.76	17.62	18.50
	50	LOW	64QAM	17.72	17.94	17.81	18.50
		MID	64QAM	17.66	17.78	17.96	18.50
		HIGH	64QAM	17.72	17.90	17.66	18.50
100	LOW	64QAM	17.64	17.83	17.68	18.50	

LTE B66-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.78	22.90	22.49	23.50	
		MID	QPSK	22.76	22.81	22.65	23.50	
		HIGH	QPSK	22.66	22.61	22.88	23.50	
	3	LOW	QPSK	22.77	22.70	22.54	23.50	
		MID	QPSK	22.67	22.83	22.54	23.50	
		HIGH	QPSK	22.63	22.57	22.90	23.50	
	6	LOW	QPSK	21.58	21.65	21.97	22.50	
	1.4	1	LOW	Q16	21.55	21.78	21.94	22.50
			MID	Q16	21.61	21.96	21.68	22.50
HIGH			Q16	21.82	21.87	21.81	22.50	
3		LOW	Q16	21.64	21.59	21.77	22.50	
		MID	Q16	21.80	21.72	21.84	22.50	
		HIGH	Q16	21.83	21.68	21.70	22.50	
6		LOW	Q16	20.87	20.69	20.69	21.50	
1.4		1	LOW	64QAM	20.41	20.82	21.06	21.50
			MID	64QAM	20.76	20.93	20.77	21.50
	HIGH		64QAM	20.71	20.79	20.91	21.50	
	3	LOW	64QAM	20.73	20.48	20.69	21.50	
		MID	64QAM	20.90	20.70	20.73	21.50	
		HIGH	64QAM	20.91	20.54	20.63	21.50	
	6	LOW	64QAM	19.85	19.63	19.57	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.84	22.68	22.62	23.50
MID			QPSK	22.69	22.54	22.53	23.50	
HIGH			QPSK	22.72	22.66	22.96	23.50	
8		LOW	QPSK	21.94	21.72	21.56	22.50	
		MID	QPSK	21.68	21.52	21.60	22.50	
		HIGH	QPSK	21.63	21.76	21.74	22.50	
15		LOW	QPSK	21.68	21.55	21.95	22.50	
3		1	LOW	Q16	21.77	21.76	21.87	22.50
			MID	Q16	21.58	21.91	21.72	22.50
	HIGH		Q16	21.84	21.90	21.78	22.50	
	8	LOW	Q16	20.89	20.79	20.48	21.50	
		MID	Q16	20.47	20.86	20.65	21.50	
		HIGH	Q16	20.95	20.65	20.57	21.50	
	15	LOW	Q16	20.83	20.45	20.52	21.50	
	3	1	LOW	64QAM	20.74	20.82	20.74	21.50
			MID	64QAM	20.71	20.76	20.97	21.50
HIGH			64QAM	20.55	20.84	20.76	21.50	
8		LOW	64QAM	19.60	19.59	19.65	20.50	
		MID	64QAM	19.62	19.75	19.54	20.50	
		HIGH	64QAM	19.79	19.73	19.72	20.50	
15		LOW	64QAM	20.05	19.49	19.56	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.78	22.79	22.59	23.50
	MID		QPSK	22.54	22.79	22.41	23.50	
	HIGH		QPSK	22.81	22.61	22.83	23.50	
	12	LOW	QPSK	21.82	21.50	21.56	22.50	
		MID	QPSK	21.73	21.48	21.58	22.50	
		HIGH	QPSK	21.78	21.55	21.76	22.50	
	25	LOW	QPSK	21.46	21.75	21.74	22.50	
	5	1	LOW	Q16	21.53	21.76	21.82	22.50
			MID	Q16	21.55	21.75	21.62	22.50
HIGH			Q16	21.80	21.90	21.74	22.50	
12		LOW	Q16	20.71	20.66	20.76	21.50	
		MID	Q16	20.54	20.65	20.59	21.50	
		HIGH	Q16	20.86	20.71	20.80	21.50	
25		LOW	Q16	20.96	20.68	20.67	21.50	
5		1	LOW	64QAM	20.64	20.63	20.73	21.50
			MID	64QAM	20.64	20.95	20.72	21.50
	HIGH		64QAM	20.55	20.68	20.79	21.50	
	12	LOW	64QAM	19.65	19.60	19.55	20.50	
		MID	64QAM	19.76	19.71	19.65	20.50	
		HIGH	64QAM	19.62	19.72	19.89	20.50	
	25	LOW	64QAM	19.96	19.40	19.71	20.50	

LTE B66-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.81	22.93	22.62	23.50	
		MID	QPSK	22.76	22.56	22.52	23.50	
		HIGH	QPSK	22.75	22.52	22.91	23.50	
	25	LOW	QPSK	21.65	21.46	21.57	22.50	
		MID	QPSK	21.70	21.46	21.79	22.50	
		HIGH	QPSK	21.70	21.53	21.77	22.50	
	50	LOW	QPSK	21.74	21.66	21.99	22.50	
	10	1	LOW	Q16	21.70	21.81	21.78	22.50
			MID	Q16	21.58	21.94	21.64	22.50
HIGH			Q16	21.69	21.82	21.70	22.50	
25		LOW	Q16	20.68	20.59	20.46	21.50	
		MID	Q16	20.46	20.75	20.45	21.50	
		HIGH	Q16	20.79	20.84	20.55	21.50	
50		LOW	Q16	20.94	20.52	20.51	21.50	
10		1	LOW	64QAM	20.90	20.77	20.62	21.50
			MID	64QAM	20.55	20.78	21.01	21.50
	HIGH		64QAM	20.47	20.82	20.65	21.50	
	25	LOW	64QAM	19.62	19.45	19.48	20.50	
		MID	64QAM	19.52	19.77	19.82	20.50	
		HIGH	64QAM	19.62	19.83	19.91	20.50	
	50	LOW	64QAM	20.03	19.69	19.70	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.85	22.63	22.67	23.50
MID			QPSK	22.66	22.80	22.59	23.50	
HIGH			QPSK	22.69	22.49	22.97	23.50	
36		LOW	QPSK	21.76	21.57	21.80	22.50	
		MID	QPSK	21.63	21.67	21.63	22.50	
		HIGH	QPSK	21.74	21.68	21.67	22.50	
75		LOW	QPSK	21.69	21.64	21.77	22.50	
15		1	LOW	Q16	21.65	21.87	21.87	22.50
			MID	Q16	21.66	21.72	21.74	22.50
	HIGH		Q16	21.75	21.68	21.86	22.50	
	36	LOW	Q16	20.75	20.88	20.56	21.50	
		MID	Q16	20.67	20.84	20.62	21.50	
		HIGH	Q16	20.72	20.76	20.65	21.50	
	75	LOW	Q16	20.95	20.43	20.60	21.50	
	15	1	LOW	64QAM	20.68	20.80	20.80	21.50
			MID	64QAM	20.73	20.83	20.71	21.50
HIGH			64QAM	20.64	20.95	20.72	21.50	
36		LOW	64QAM	19.71	19.71	19.61	20.50	
		MID	64QAM	19.61	19.51	19.59	20.50	
		HIGH	64QAM	19.86	19.92	19.71	20.50	
75		LOW	64QAM	20.04	19.53	19.74	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.81	22.78	22.56	23.50
	MID		QPSK	22.65	22.69	22.56	23.50	
	HIGH		QPSK	22.66	22.62	22.83	23.50	
	50	LOW	QPSK	21.80	21.61	21.69	22.50	
		MID	QPSK	21.71	21.57	21.65	22.50	
		HIGH	QPSK	21.64	21.65	21.81	22.50	
	100	LOW	QPSK	21.59	21.69	21.85	22.50	
	20	1	LOW	Q16	21.65	21.77	21.84	22.50
			MID	Q16	21.69	21.82	21.74	22.50
HIGH			Q16	21.70	21.78	21.82	22.50	
50		LOW	Q16	20.81	20.73	20.61	21.50	
		MID	Q16	20.59	20.72	20.57	21.50	
		HIGH	Q16	20.81	20.78	20.66	21.50	
100		LOW	Q16	20.81	20.58	20.56	21.50	
20		1	LOW	64QAM	20.75	20.68	20.71	21.50
			MID	64QAM	20.62	20.87	20.86	21.50
	HIGH		64QAM	20.55	20.81	20.75	21.50	
	50	LOW	64QAM	19.70	19.59	19.59	20.50	
		MID	64QAM	19.61	19.66	19.68	20.50	
		HIGH	64QAM	19.77	19.82	19.78	20.50	
	100	LOW	64QAM	19.92	19.54	19.71	20.50	

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.12	23.43	23.41	23.50	
		MID	QPSK	23.10	23.41	23.38	23.50	
		HIGH	QPSK	23.16	23.44	23.42	23.50	
	3	LOW	QPSK	23.24	23.44	23.43	23.50	
		MID	QPSK	23.24	23.48	23.47	23.50	
		HIGH	QPSK	23.25	23.46	23.43	23.50	
	6	LOW	QPSK	22.20	22.49	22.41	22.50	
	1.4	1	LOW	Q16	22.31	22.45	22.50	22.50
			MID	Q16	22.33	22.44	22.46	22.50
HIGH			Q16	22.39	22.44	22.12	22.50	
3		LOW	Q16	22.24	22.25	22.17	22.50	
		MID	Q16	22.28	22.21	22.20	22.50	
		HIGH	Q16	22.27	22.20	22.18	22.50	
6		LOW	Q16	21.40	21.36	21.20	21.50	
1.4		1	LOW	64QAM	21.20	21.38	21.43	21.50
			MID	64QAM	21.29	21.44	21.44	21.50
	HIGH		64QAM	21.33	21.36	21.24	21.50	
	3	LOW	64QAM	21.10	21.23	21.20	21.50	
		MID	64QAM	21.24	21.18	21.30	21.50	
		HIGH	64QAM	21.25	21.22	21.26	21.50	
	6	LOW	64QAM	20.34	20.36	20.24	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.11	23.38	23.43	23.50
MID			QPSK	23.34	23.37	23.34	23.50	
HIGH			QPSK	23.27	23.24	23.41	23.50	
8		LOW	QPSK	22.21	22.42	22.32	22.50	
		MID	QPSK	22.32	22.21	22.35	22.50	
		HIGH	QPSK	22.37	22.32	22.37	22.50	
15		LOW	QPSK	22.46	22.36	22.49	22.50	
3		1	LOW	Q16	22.43	22.39	22.20	22.50
			MID	Q16	22.48	22.39	22.24	22.50
	HIGH		Q16	22.34	22.39	22.34	22.50	
	8	LOW	Q16	21.33	21.39	21.27	21.50	
		MID	Q16	21.42	21.41	21.50	21.50	
		HIGH	Q16	21.39	21.41	21.34	21.50	
	15	LOW	Q16	21.37	21.35	21.32	21.50	
	3	1	LOW	64QAM	21.28	21.28	21.40	21.50
			MID	64QAM	21.29	21.26	21.28	21.50
HIGH			64QAM	21.16	21.38	21.27	21.50	
8		LOW	64QAM	20.37	20.40	20.32	20.50	
		MID	64QAM	20.30	20.41	20.24	20.50	
		HIGH	64QAM	20.27	20.25	20.27	20.50	
15		LOW	64QAM	20.39	20.35	20.36	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.15	23.49	23.36	23.50
	MID		QPSK	23.31	23.36	23.36	23.50	
	HIGH		QPSK	23.24	23.36	23.36	23.50	
	12	LOW	QPSK	22.34	22.35	22.36	22.50	
		MID	QPSK	22.42	22.27	22.48	22.50	
		HIGH	QPSK	22.41	22.24	22.31	22.50	
	25	LOW	QPSK	22.47	22.38	22.38	22.50	
	5	1	LOW	Q16	22.45	22.19	22.46	22.50
			MID	Q16	22.42	22.34	22.18	22.50
HIGH			Q16	22.28	22.38	22.43	22.50	
12		LOW	Q16	21.43	21.23	21.33	21.50	
		MID	Q16	21.43	21.32	21.33	21.50	
		HIGH	Q16	21.36	21.36	21.43	21.50	
25		LOW	Q16	21.43	21.40	21.37	21.50	
5		1	LOW	64QAM	21.44	21.36	21.48	21.50
			MID	64QAM	21.47	21.37	21.30	21.50
	HIGH		64QAM	21.32	21.44	21.43	21.50	
	12	LOW	64QAM	20.43	20.14	20.26	20.50	
		MID	64QAM	20.30	20.34	20.42	20.50	
		HIGH	64QAM	20.32	20.20	20.46	20.50	
	25	LOW	64QAM	20.47	20.32	20.41	20.50	

LTE B66-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.24	23.43	23.31	23.50	
		MID	QPSK	23.46	23.25	23.43	23.50	
		HIGH	QPSK	23.49	23.31	23.25	23.50	
	25	LOW	QPSK	22.35	22.38	22.36	22.50	
		MID	QPSK	22.41	22.44	22.34	22.50	
		HIGH	QPSK	22.46	22.30	22.34	22.50	
	50	LOW	QPSK	22.49	22.45	22.29	22.50	
	10	1	LOW	Q16	22.46	22.38	22.46	22.50
			MID	Q16	22.46	22.39	22.30	22.50
HIGH			Q16	22.33	22.46	22.50	22.50	
25		LOW	Q16	21.26	21.27	21.31	21.50	
		MID	Q16	21.37	21.33	21.38	21.50	
		HIGH	Q16	21.32	21.42	21.27	21.50	
50		LOW	Q16	21.49	21.40	21.47	21.50	
10		1	LOW	64QAM	21.48	21.34	21.27	21.50
			MID	64QAM	21.29	21.44	21.40	21.50
	HIGH		64QAM	21.14	21.40	21.41	21.50	
	25	LOW	64QAM	20.43	20.15	20.25	20.50	
		MID	64QAM	20.35	20.44	20.28	20.50	
		HIGH	64QAM	20.35	20.21	20.41	20.50	
	50	LOW	64QAM	20.47	20.47	20.38	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.40	23.31	23.37	23.50
MID			QPSK	23.37	23.45	23.43	23.50	
HIGH			QPSK	23.27	23.44	23.40	23.50	
36		LOW	QPSK	22.37	22.34	22.33	22.50	
		MID	QPSK	22.46	22.48	22.34	22.50	
		HIGH	QPSK	22.44	22.46	22.38	22.50	
75		LOW	QPSK	22.32	22.32	22.38	22.50	
15		1	LOW	Q16	22.32	22.28	22.26	22.50
			MID	Q16	22.32	22.45	22.18	22.50
	HIGH		Q16	22.32	22.34	22.30	22.50	
	36	LOW	Q16	21.24	21.29	21.47	21.50	
		MID	Q16	21.50	21.23	21.37	21.50	
		HIGH	Q16	21.35	21.37	21.46	21.50	
	75	LOW	Q16	21.35	21.39	21.49	21.50	
	15	1	LOW	64QAM	21.30	21.36	21.33	21.50
			MID	64QAM	21.41	21.41	21.30	21.50
HIGH			64QAM	21.32	21.43	21.19	21.50	
36		LOW	64QAM	20.44	20.38	20.29	20.50	
		MID	64QAM	20.40	20.49	20.23	20.50	
		HIGH	64QAM	20.45	20.44	20.25	20.50	
75		LOW	64QAM	20.32	20.44	20.38	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	23.26	23.44	23.38	23.50
	MID		QPSK	23.39	23.33	23.38	23.50	
	HIGH		QPSK	23.37	23.37	23.35	23.50	
	50	LOW	QPSK	22.34	22.49	22.41	22.50	
		MID	QPSK	22.43	22.33	22.48	22.50	
		HIGH	QPSK	22.46	22.33	22.44	22.50	
	100	LOW	QPSK	22.43	22.49	22.43	22.50	
	20	1	LOW	Q16	22.50	22.34	22.35	22.50
			MID	Q16	22.50	22.41	22.32	22.50
HIGH			Q16	22.41	22.45	22.44	22.50	
50		LOW	Q16	21.35	21.31	21.37	21.50	
		MID	Q16	21.44	21.31	21.43	21.50	
		HIGH	Q16	21.48	21.35	21.42	21.50	
100		LOW	Q16	21.44	21.49	21.43	21.50	
20		1	LOW	64QAM	21.33	21.35	21.40	21.50
			MID	64QAM	21.44	21.32	21.34	21.50
	HIGH		64QAM	21.29	21.50	21.28	21.50	
	50	LOW	64QAM	20.43	20.27	20.40	20.50	
		MID	64QAM	20.32	20.39	20.29	20.50	
		HIGH	64QAM	20.37	20.29	20.39	20.50	
	100	LOW	64QAM	20.43	20.45	20.40	20.50	

LTE B66-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)	
1.4	1	LOW	QPSK	19.66	19.93	19.91	20.00	
		MID	QPSK	19.62	19.89	19.92	20.00	
		HIGH	QPSK	19.68	19.96	19.94	20.00	
	3	LOW	QPSK	19.72	19.88	19.96	20.00	
		MID	QPSK	19.74	19.95	19.98	20.00	
		HIGH	QPSK	19.73	19.92	19.99	20.00	
	6	LOW	QPSK	19.73	19.95	19.90	20.00	
	1.4	1	LOW	Q16	19.86	19.96	19.65	20.00
			MID	Q16	19.80	19.96	19.99	20.00
HIGH			Q16	19.85	19.99	19.68	20.00	
3		LOW	Q16	19.79	19.74	19.70	20.00	
		MID	Q16	19.76	19.73	19.72	20.00	
		HIGH	Q16	19.83	19.75	19.71	20.00	
6		LOW	Q16	19.87	19.84	19.75	20.00	
1.4		1	LOW	64QAM	19.74	19.94	19.51	20.00
			MID	64QAM	19.84	19.84	19.85	20.00
	HIGH		64QAM	19.88	19.85	19.57	20.00	
	3	LOW	64QAM	19.78	19.65	19.55	20.00	
		MID	64QAM	19.90	19.61	19.62	20.00	
		HIGH	64QAM	19.86	19.73	19.62	20.00	
	6	LOW	64QAM	19.96	19.99	19.82	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
	3	1	LOW	QPSK	19.72	19.90	19.86	20.00
MID			QPSK	19.80	19.72	19.94	20.00	
HIGH			QPSK	19.85	19.82	19.79	20.00	
8		LOW	QPSK	19.80	19.67	19.83	20.00	
		MID	QPSK	19.92	19.85	19.94	20.00	
		HIGH	QPSK	19.98	19.71	19.98	20.00	
15		LOW	QPSK	19.90	19.83	19.87	20.00	
3		1	LOW	Q16	19.69	19.80	19.86	20.00
			MID	Q16	19.83	19.84	19.88	20.00
	HIGH		Q16	19.84	19.87	19.90	20.00	
	8	LOW	Q16	19.91	19.98	19.84	20.00	
		MID	Q16	19.83	19.95	19.88	20.00	
		HIGH	Q16	19.77	19.82	19.97	20.00	
	15	LOW	Q16	19.84	19.83	19.82	20.00	
	3	1	LOW	64QAM	19.89	19.77	19.63	20.00
			MID	64QAM	19.92	19.66	19.78	20.00
HIGH			64QAM	19.83	19.91	19.98	20.00	
8		LOW	64QAM	19.85	19.99	19.92	20.00	
		MID	64QAM	19.83	19.63	19.81	20.00	
		HIGH	64QAM	19.97	19.67	19.76	20.00	
15		LOW	64QAM	19.82	19.80	19.92	20.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5		1	LOW	QPSK	19.87	19.94	19.96	20.00
	MID		QPSK	19.78	19.85	19.83	20.00	
	HIGH		QPSK	19.82	19.85	19.86	20.00	
	12	LOW	QPSK	19.98	19.91	19.86	20.00	
		MID	QPSK	19.89	19.89	19.72	20.00	
		HIGH	QPSK	19.87	19.76	19.82	20.00	
	25	LOW	QPSK	19.87	19.84	19.94	20.00	
	5	1	LOW	Q16	19.80	19.95	19.82	20.00
			MID	Q16	19.85	19.82	19.71	20.00
HIGH			Q16	19.84	19.91	19.99	20.00	
12		LOW	Q16	19.95	19.81	19.83	20.00	
		MID	Q16	19.81	19.76	19.91	20.00	
		HIGH	Q16	19.88	19.91	19.82	20.00	
25		LOW	Q16	19.87	19.83	20.00	20.00	
5		1	LOW	64QAM	19.96	19.68	19.92	20.00
			MID	64QAM	19.81	19.72	19.98	20.00
	HIGH		64QAM	19.70	19.82	19.84	20.00	
	12	LOW	64QAM	19.89	19.88	19.98	20.00	
		MID	64QAM	19.95	19.78	19.91	20.00	
		HIGH	64QAM	19.85	19.63	19.75	20.00	
	25	LOW	64QAM	19.78	19.98	19.80	20.00	

LTE B66-State1 &3-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	1	LOW	QPSK	19.75	19.84	19.95	20.00	
		MID	QPSK	19.91	19.76	19.96	20.00	
		HIGH	QPSK	19.86	19.85	19.82	20.00	
	25	LOW	QPSK	19.82	19.93	20.00	20.00	
		MID	QPSK	19.84	19.67	19.92	20.00	
		HIGH	QPSK	19.91	19.88	19.83	20.00	
	50	LOW	QPSK	19.85	19.84	19.89	20.00	
	10	1	LOW	Q16	19.69	19.77	19.92	20.00
			MID	Q16	19.86	19.91	20.00	20.00
HIGH			Q16	19.81	19.84	19.91	20.00	
25		LOW	Q16	19.82	19.86	19.81	20.00	
		MID	Q16	19.86	19.81	20.00	20.00	
		HIGH	Q16	19.73	19.83	19.87	20.00	
50		LOW	Q16	19.91	19.74	19.98	20.00	
10		1	LOW	64QAM	19.72	19.52	19.85	20.00
			MID	64QAM	19.82	19.78	19.97	20.00
	HIGH		64QAM	19.75	20.00	19.82	20.00	
	25	LOW	64QAM	19.86	19.76	19.86	20.00	
		MID	64QAM	19.84	19.75	19.71	20.00	
		HIGH	64QAM	19.96	19.75	19.83	20.00	
	50	LOW	64QAM	19.84	19.94	19.86	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	1	LOW	QPSK	19.91	19.86	19.91	20.00
MID			QPSK	19.94	19.90	19.94	20.00	
HIGH			QPSK	19.91	19.87	19.92	20.00	
36		LOW	QPSK	20.00	19.83	19.87	20.00	
		MID	QPSK	19.87	19.83	19.84	20.00	
		HIGH	QPSK	19.81	19.74	19.86	20.00	
75		LOW	QPSK	19.82	19.86	19.93	20.00	
15		1	LOW	Q16	19.84	19.85	19.91	20.00
			MID	Q16	19.87	19.86	19.71	20.00
	HIGH		Q16	19.88	19.97	19.85	20.00	
	36	LOW	Q16	19.99	19.90	19.83	20.00	
		MID	Q16	19.85	19.73	19.92	20.00	
		HIGH	Q16	19.93	19.73	19.89	20.00	
	75	LOW	Q16	19.88	19.69	19.89	20.00	
	15	1	LOW	64QAM	19.78	19.67	19.81	20.00
			MID	64QAM	19.73	19.67	19.86	20.00
HIGH			64QAM	19.88	19.95	19.87	20.00	
36		LOW	64QAM	19.94	19.97	19.86	20.00	
		MID	64QAM	19.95	19.71	19.85	20.00	
		HIGH	64QAM	19.99	19.80	19.84	20.00	
75		LOW	64QAM	19.97	19.96	19.81	20.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20		1	LOW	QPSK	19.83	19.99	19.94	20.00
	MID		QPSK	19.92	19.87	19.94	20.00	
	HIGH		QPSK	19.90	19.92	19.87	20.00	
	50	LOW	QPSK	19.88	19.82	19.97	20.00	
		MID	QPSK	19.97	19.82	19.82	20.00	
		HIGH	QPSK	20.00	19.85	19.98	20.00	
	100	LOW	QPSK	19.94	20.00	19.98	20.00	
	20	1	LOW	Q16	19.84	19.80	19.84	20.00
			MID	Q16	20.00	19.88	19.86	20.00
HIGH			Q16	19.95	19.96	20.00	20.00	
50		LOW	Q16	19.88	19.84	19.92	20.00	
		MID	Q16	19.96	19.84	19.97	20.00	
		HIGH	Q16	19.82	19.87	19.95	20.00	
100		LOW	Q16	19.96	19.82	19.98	20.00	
20		1	LOW	64QAM	19.86	19.65	19.78	20.00
			MID	64QAM	19.82	19.75	19.92	20.00
	HIGH		64QAM	19.80	19.91	19.89	20.00	
	50	LOW	64QAM	19.93	19.89	19.99	20.00	
		MID	64QAM	19.97	19.74	19.83	20.00	
		HIGH	64QAM	19.94	19.75	19.89	20.00	
	100	LOW	64QAM	19.84	19.93	19.91	20.00	

LTE B66-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)	
1.4	1	LOW	QPSK	16.95	17.17	17.13	17.25	
		MID	QPSK	16.94	17.12	17.14	17.25	
		HIGH	QPSK	16.98	17.16	17.15	17.25	
	3	LOW	QPSK	17.02	17.15	17.21	17.25	
		MID	QPSK	17.04	17.18	17.22	17.25	
		HIGH	QPSK	17.03	17.17	17.21	17.25	
	6	LOW	QPSK	17.04	17.22	17.13	17.25	
	1.4	1	LOW	Q16	17.17	17.22	16.88	17.25
			MID	Q16	17.16	17.19	16.87	17.25
HIGH			Q16	17.17	17.16	16.92	17.25	
3		LOW	Q16	17.09	17.00	16.96	17.25	
		MID	Q16	17.07	16.96	17.00	17.25	
		HIGH	Q16	17.06	16.99	16.97	17.25	
6		LOW	Q16	17.20	17.12	17.01	17.25	
1.4		1	LOW	64QAM	17.10	17.09	16.86	17.25
			MID	64QAM	17.10	17.21	16.91	17.25
	HIGH		64QAM	17.03	17.19	16.91	17.25	
	3	LOW	64QAM	17.19	16.98	17.03	17.25	
		MID	64QAM	16.94	16.87	17.15	17.25	
		HIGH	64QAM	17.17	17.11	17.04	17.25	
	6	LOW	64QAM	17.18	17.24	16.97	17.25	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
	3	1	LOW	QPSK	17.09	17.06	17.18	17.25
MID			QPSK	17.09	17.12	17.12	17.25	
HIGH			QPSK	17.25	17.04	17.06	17.25	
8		LOW	QPSK	17.19	17.14	17.23	17.25	
		MID	QPSK	17.12	16.96	17.07	17.25	
		HIGH	QPSK	17.14	17.16	17.18	17.25	
15		LOW	QPSK	17.06	17.14	17.17	17.25	
3		1	LOW	Q16	17.07	17.04	16.99	17.25
			MID	Q16	17.12	17.09	17.16	17.25
	HIGH		Q16	17.04	17.18	17.18	17.25	
	8	LOW	Q16	17.09	17.00	17.07	17.25	
		MID	Q16	17.24	16.96	17.10	17.25	
		HIGH	Q16	16.97	17.10	17.06	17.25	
	15	LOW	Q16	17.25	17.02	17.16	17.25	
	3	1	LOW	64QAM	17.05	17.16	17.18	17.25
			MID	64QAM	16.97	17.20	16.92	17.25
HIGH			64QAM	17.03	17.17	17.18	17.25	
8		LOW	64QAM	17.10	16.89	17.05	17.25	
		MID	64QAM	17.10	17.13	17.22	17.25	
		HIGH	64QAM	16.87	17.06	17.08	17.25	
15		LOW	64QAM	17.12	17.04	17.10	17.25	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5		1	LOW	QPSK	17.08	17.17	17.08	17.25
	MID		QPSK	17.10	17.13	17.17	17.25	
	HIGH		QPSK	17.14	17.01	17.25	17.25	
	12	LOW	QPSK	17.11	17.10	17.06	17.25	
		MID	QPSK	17.13	17.07	17.14	17.25	
		HIGH	QPSK	17.11	17.22	17.07	17.25	
	25	LOW	QPSK	17.07	17.00	17.25	17.25	
	5	1	LOW	Q16	17.12	17.14	17.02	17.25
			MID	Q16	17.01	17.24	17.25	17.25
HIGH			Q16	17.06	17.17	17.16	17.25	
12		LOW	Q16	17.03	17.09	17.18	17.25	
		MID	Q16	17.06	17.09	17.16	17.25	
		HIGH	Q16	17.22	17.11	17.17	17.25	
25		LOW	Q16	17.11	17.15	17.19	17.25	
5		1	LOW	64QAM	17.08	17.00	17.22	17.25
			MID	64QAM	17.18	17.18	17.06	17.25
	HIGH		64QAM	16.98	17.20	17.18	17.25	
	12	LOW	64QAM	17.02	17.10	17.11	17.25	
		MID	64QAM	17.10	17.13	17.07	17.25	
		HIGH	64QAM	16.90	17.08	17.04	17.25	
	25	LOW	64QAM	17.17	16.88	17.17	17.25	

LTE B66-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	1	LOW	QPSK	17.24	17.06	17.09	17.25	
		MID	QPSK	17.08	17.08	17.20	17.25	
		HIGH	QPSK	17.22	17.07	17.10	17.25	
	25	LOW	QPSK	17.01	17.13	17.18	17.25	
		MID	QPSK	17.21	16.97	16.94	17.25	
		HIGH	QPSK	17.20	16.95	17.25	17.25	
	50	LOW	QPSK	17.25	17.00	17.14	17.25	
	10	1	LOW	Q16	17.02	17.10	17.10	17.25
			MID	Q16	17.00	17.18	17.06	17.25
HIGH			Q16	17.25	17.08	17.06	17.25	
25		LOW	Q16	17.11	17.17	17.13	17.25	
		MID	Q16	17.18	17.04	17.13	17.25	
		HIGH	Q16	17.09	17.24	17.21	17.25	
50		LOW	Q16	17.20	17.19	17.06	17.25	
10		1	LOW	64QAM	17.04	17.03	17.06	17.25
			MID	64QAM	17.16	17.00	16.85	17.25
	HIGH		64QAM	17.10	17.22	16.99	17.25	
	25	LOW	64QAM	16.93	17.13	17.17	17.25	
		MID	64QAM	17.16	17.20	17.06	17.25	
		HIGH	64QAM	17.10	16.99	17.19	17.25	
	50	LOW	64QAM	17.22	16.78	17.01	17.25	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	1	LOW	QPSK	17.25	17.06	17.10	17.25
MID			QPSK	17.08	16.94	17.15	17.25	
HIGH			QPSK	17.09	17.11	17.17	17.25	
36		LOW	QPSK	17.10	17.18	17.09	17.25	
		MID	QPSK	17.13	16.99	17.21	17.25	
		HIGH	QPSK	17.13	16.95	17.18	17.25	
75		LOW	QPSK	17.17	17.12	17.25	17.25	
15		1	LOW	Q16	17.20	16.94	17.20	17.25
			MID	Q16	17.03	17.04	17.11	17.25
	HIGH		Q16	17.11	17.14	17.12	17.25	
	36	LOW	Q16	17.13	16.93	17.24	17.25	
		MID	Q16	17.13	17.24	17.18	17.25	
		HIGH	Q16	17.16	17.24	17.07	17.25	
	75	LOW	Q16	17.17	17.06	17.09	17.25	
	15	1	LOW	64QAM	17.09	16.95	17.24	17.25
			MID	64QAM	17.01	17.25	16.92	17.25
HIGH			64QAM	16.96	17.01	17.11	17.25	
36		LOW	64QAM	17.02	16.97	17.22	17.25	
		MID	64QAM	17.13	17.16	17.21	17.25	
		HIGH	64QAM	16.88	17.18	17.17	17.25	
75		LOW	64QAM	17.11	16.94	16.97	17.25	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20		1	LOW	QPSK	17.11	17.20	17.19	17.25
	MID		QPSK	17.18	17.08	17.17	17.25	
	HIGH		QPSK	17.15	17.15	17.13	17.25	
	50	LOW	QPSK	17.16	17.25	17.21	17.25	
		MID	QPSK	17.21	17.09	17.06	17.25	
		HIGH	QPSK	17.23	17.08	17.22	17.25	
	100	LOW	QPSK	17.22	17.06	17.23	17.25	
	20	1	LOW	Q16	17.15	17.09	17.12	17.25
			MID	Q16	17.11	17.16	17.13	17.25
HIGH			Q16	17.16	17.24	17.25	17.25	
50		LOW	Q16	17.16	17.08	17.19	17.25	
		MID	Q16	17.23	17.10	17.25	17.25	
		HIGH	Q16	17.08	17.14	17.22	17.25	
100		LOW	Q16	17.25	17.06	17.25	17.25	
20		1	LOW	64QAM	17.18	17.08	17.24	17.25
			MID	64QAM	17.05	17.15	16.98	17.25
	HIGH		64QAM	17.07	17.14	17.14	17.25	
	50	LOW	64QAM	17.07	17.01	17.16	17.25	
		MID	64QAM	17.21	17.22	17.20	17.25	
		HIGH	64QAM	17.01	17.13	17.18	17.25	
	100	LOW	64QAM	17.09	16.93	17.12	17.25	

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.64	21.94	21.94	22.50	
		MID	QPSK	21.61	21.94	21.92	22.50	
		HIGH	QPSK	21.64	21.99	21.94	22.50	
	3	LOW	QPSK	21.67	21.96	21.97	22.50	
		MID	QPSK	21.70	22.01	21.97	22.50	
		HIGH	QPSK	21.70	21.94	21.99	22.50	
	6	LOW	QPSK	20.68	20.96	20.92	21.50	
	1.4	1	LOW	Q16	20.83	21.36	21.01	21.50
			MID	Q16	20.73	21.38	21.01	21.50
HIGH			Q16	20.84	21.41	21.05	21.50	
3		LOW	Q16	20.68	21.16	21.10	21.50	
		MID	Q16	20.73	21.15	21.13	21.50	
		HIGH	Q16	20.76	21.15	21.11	21.50	
6		LOW	Q16	19.85	19.86	20.14	20.50	
1.4		1	LOW	64QAM	19.96	20.30	19.89	20.50
			MID	64QAM	19.64	20.42	20.08	20.50
	HIGH		64QAM	19.89	20.13	19.90	20.50	
	3	LOW	64QAM	19.53	20.07	20.09	20.50	
		MID	64QAM	19.66	20.22	20.16	20.50	
		HIGH	64QAM	19.79	20.02	20.26	20.50	
	6	LOW	64QAM	18.99	18.75	19.18	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	21.64	21.92	21.86	22.50
MID			QPSK	21.94	21.99	22.04	22.50	
HIGH			QPSK	22.18	22.19	22.07	22.50	
8		LOW	QPSK	20.77	21.13	21.08	21.50	
		MID	QPSK	20.93	21.14	20.86	21.50	
		HIGH	QPSK	20.91	20.90	20.81	21.50	
15	LOW	QPSK	20.94	21.01	20.91	21.50		
3	1	LOW	Q16	21.45	21.27	21.19	21.50	
		MID	Q16	21.50	21.25	21.21	21.50	
		HIGH	Q16	21.45	21.36	21.38	21.50	
	8	LOW	Q16	19.72	20.08	20.02	20.50	
		MID	Q16	19.99	19.97	19.92	20.50	
		HIGH	Q16	19.97	19.90	19.74	20.50	
15	LOW	Q16	19.96	19.99	19.93	20.50		
3	1	LOW	64QAM	20.38	20.37	20.44	20.50	
		MID	64QAM	20.36	20.41	20.32	20.50	
		HIGH	64QAM	20.44	20.47	20.43	20.50	
	8	LOW	64QAM	18.94	19.27	18.73	19.50	
		MID	64QAM	18.81	19.21	18.99	19.50	
		HIGH	64QAM	18.72	19.13	18.91	19.50	
15	LOW	64QAM	18.83	19.09	18.89	19.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)	
5	1	LOW	QPSK	21.63	21.84	21.80	22.50	
		MID	QPSK	21.80	22.15	22.03	22.50	
		HIGH	QPSK	22.01	22.07	22.02	22.50	
	12	LOW	QPSK	20.67	20.87	21.06	21.50	
		MID	QPSK	20.98	20.98	20.91	21.50	
		HIGH	QPSK	21.00	20.89	21.08	21.50	
25	LOW	QPSK	20.85	20.85	20.79	21.50		
5	1	LOW	Q16	21.45	21.20	21.28	21.50	
		MID	Q16	21.35	21.40	21.39	21.50	
		HIGH	Q16	21.47	21.48	21.44	21.50	
	12	LOW	Q16	19.80	19.94	19.73	20.50	
		MID	Q16	20.03	19.89	20.02	20.50	
		HIGH	Q16	20.05	20.10	19.77	20.50	
25	LOW	Q16	19.99	19.99	19.81	20.50		
5	1	LOW	64QAM	20.41	20.25	20.45	20.50	
		MID	64QAM	20.24	20.33	20.30	20.50	
		HIGH	64QAM	20.45	20.39	20.48	20.50	
	12	LOW	64QAM	18.89	19.29	18.66	19.50	
		MID	64QAM	18.97	19.06	18.79	19.50	
		HIGH	64QAM	18.88	18.88	18.97	19.50	
25	LOW	64QAM	18.70	19.20	18.85	19.50		

LTE B66-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	21.65	21.90	21.92	22.50	
		MID	QPSK	21.72	22.11	21.93	22.50	
		HIGH	QPSK	22.15	22.19	22.11	22.50	
	25	LOW	QPSK	20.67	20.86	20.80	21.50	
		MID	QPSK	20.88	20.95	21.12	21.50	
		HIGH	QPSK	20.93	20.92	20.86	21.50	
	50	LOW	QPSK	21.03	21.11	21.00	21.50	
	10	1	LOW	Q16	21.32	21.26	21.44	21.50
			MID	Q16	21.35	21.33	21.22	21.50
HIGH			Q16	21.49	21.40	21.33	21.50	
25		LOW	Q16	19.75	20.10	19.83	20.50	
		MID	Q16	19.92	20.09	19.81	20.50	
		HIGH	Q16	20.05	20.19	20.03	20.50	
50		LOW	Q16	19.80	19.85	19.90	20.50	
10		1	LOW	64QAM	20.34	20.16	20.32	20.50
			MID	64QAM	20.47	20.44	20.29	20.50
	HIGH		64QAM	20.32	20.32	20.32	20.50	
	25	LOW	64QAM	18.85	19.20	18.69	19.50	
		MID	64QAM	19.06	19.04	19.04	19.50	
		HIGH	64QAM	18.91	18.90	19.08	19.50	
	50	LOW	64QAM	18.91	18.93	18.96	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	21.71	22.07	21.97	22.50
MID			QPSK	21.97	22.12	21.97	22.50	
HIGH			QPSK	22.15	22.19	22.10	22.50	
36		LOW	QPSK	20.92	20.88	20.90	21.50	
		MID	QPSK	20.94	21.12	20.84	21.50	
		HIGH	QPSK	20.87	21.18	20.94	21.50	
75		LOW	QPSK	21.00	21.06	20.96	21.50	
15		1	LOW	Q16	21.17	21.29	21.30	21.50
			MID	Q16	21.38	21.42	21.46	21.50
	HIGH		Q16	21.49	21.37	21.35	21.50	
	36	LOW	Q16	19.78	20.09	19.78	20.50	
		MID	Q16	19.80	19.98	20.10	20.50	
		HIGH	Q16	19.87	20.02	19.79	20.50	
	75	LOW	Q16	20.04	19.86	19.97	20.50	
	15	1	LOW	64QAM	20.47	20.08	20.27	20.50
			MID	64QAM	20.27	20.39	20.22	20.50
HIGH			64QAM	20.38	20.38	20.40	20.50	
36		LOW	64QAM	18.93	19.11	18.83	19.50	
		MID	64QAM	18.94	19.14	18.93	19.50	
		HIGH	64QAM	18.84	18.84	19.13	19.50	
75		LOW	64QAM	18.87	19.12	18.97	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	21.72	21.96	21.89	22.50
	MID		QPSK	21.85	22.03	21.91	22.50	
	HIGH		QPSK	22.07	22.11	22.05	22.50	
	50	LOW	QPSK	20.80	20.99	20.94	21.50	
		MID	QPSK	20.90	21.02	20.99	21.50	
		HIGH	QPSK	20.96	21.03	20.94	21.50	
	100	LOW	QPSK	20.90	20.99	20.94	21.50	
	20	1	LOW	Q16	21.31	21.33	21.34	21.50
			MID	Q16	21.45	21.40	21.32	21.50
HIGH			Q16	21.47	21.48	21.48	21.50	
50		LOW	Q16	19.81	20.00	19.88	20.50	
		MID	Q16	19.91	20.02	19.96	20.50	
		HIGH	Q16	19.96	20.04	19.89	20.50	
100		LOW	Q16	19.89	19.98	19.93	20.50	
20		1	LOW	64QAM	20.36	20.22	20.37	20.50
			MID	64QAM	20.38	20.38	20.29	20.50
	HIGH		64QAM	20.49	20.42	20.43	20.50	
	50	LOW	64QAM	18.88	19.14	18.73	19.50	
		MID	64QAM	18.95	19.09	18.90	19.50	
		HIGH	64QAM	18.85	18.98	19.00	19.50	
	100	LOW	64QAM	18.78	19.05	18.84	19.50	

LTE B66-State1&3 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)	
1.4	1	LOW	QPSK	21.08	21.41	21.40	22.00	
		MID	QPSK	21.08	21.39	21.40	22.00	
		HIGH	QPSK	21.10	21.45	21.42	22.00	
	3	LOW	QPSK	21.16	21.40	21.45	22.00	
		MID	QPSK	21.16	21.44	21.46	22.00	
		HIGH	QPSK	21.14	21.44	21.46	22.00	
	6	LOW	QPSK	20.65	20.94	20.91	21.50	
	1.4	1	LOW	Q16	20.75	21.36	21.02	21.50
			MID	Q16	20.74	21.30	20.96	21.50
HIGH			Q16	20.80	21.35	21.07	21.50	
3		LOW	Q16	20.68	21.11	21.11	21.50	
		MID	Q16	20.69	21.10	21.10	21.50	
		HIGH	Q16	20.69	21.12	21.09	21.50	
6		LOW	Q16	19.80	19.85	20.09	20.50	
1.4		1	LOW	64QAM	19.68	20.41	19.96	20.50
			MID	64QAM	19.77	20.21	19.95	20.50
	HIGH		64QAM	19.88	20.46	20.04	20.50	
	3	LOW	64QAM	19.58	20.24	19.99	20.50	
		MID	64QAM	19.69	19.95	20.13	20.50	
		HIGH	64QAM	19.71	20.21	19.96	20.50	
	6	LOW	64QAM	18.80	18.83	19.09	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
	3	1	LOW	QPSK	21.13	21.49	21.26	22.00
MID			QPSK	21.33	21.68	21.41	22.00	
HIGH			QPSK	21.47	21.74	21.50	22.00	
8		LOW	QPSK	20.79	20.89	21.00	21.50	
		MID	QPSK	20.86	21.12	20.92	21.50	
		HIGH	QPSK	20.77	21.04	20.83	21.50	
15		LOW	QPSK	20.97	21.10	20.84	21.50	
3		1	LOW	Q16	21.27	21.48	21.47	21.50
			MID	Q16	21.38	21.43	21.26	21.50
	HIGH		Q16	21.41	21.36	21.45	21.50	
	8	LOW	Q16	19.72	20.09	19.73	20.50	
		MID	Q16	19.94	20.12	19.92	20.50	
		HIGH	Q16	19.94	20.08	19.88	20.50	
	15	LOW	Q16	19.87	20.10	20.03	20.50	
	3	1	LOW	64QAM	20.14	20.34	20.30	20.50
			MID	64QAM	20.25	20.36	20.25	20.50
HIGH			64QAM	20.44	20.49	20.27	20.50	
8		LOW	64QAM	18.78	18.91	18.76	19.50	
		MID	64QAM	18.87	18.82	18.82	19.50	
		HIGH	64QAM	18.75	18.90	18.95	19.50	
15		LOW	64QAM	19.10	18.90	18.93	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5		1	LOW	QPSK	21.20	21.56	21.23	22.00
	MID		QPSK	21.22	21.61	21.54	22.00	
	HIGH		QPSK	21.46	21.53	21.40	22.00	
	12	LOW	QPSK	20.67	21.07	21.03	21.50	
		MID	QPSK	20.88	20.90	21.02	21.50	
		HIGH	QPSK	20.92	21.15	20.87	21.50	
	25	LOW	QPSK	20.86	20.83	21.00	21.50	
	5	1	LOW	Q16	21.40	21.43	21.29	21.50
			MID	Q16	21.38	21.34	21.36	21.50
HIGH			Q16	21.29	21.50	21.44	21.50	
12		LOW	Q16	19.69	20.13	19.75	20.50	
		MID	Q16	19.92	20.15	20.05	20.50	
		HIGH	Q16	19.86	20.19	19.89	20.50	
25		LOW	Q16	19.94	19.90	19.98	20.50	
5		1	LOW	64QAM	20.22	20.14	20.47	20.50
			MID	64QAM	20.38	20.39	20.14	20.50
	HIGH		64QAM	20.44	20.42	20.48	20.50	
	12	LOW	64QAM	18.90	19.06	18.92	19.50	
		MID	64QAM	18.66	18.82	18.99	19.50	
		HIGH	64QAM	19.01	18.79	18.80	19.50	
	25	LOW	64QAM	18.90	18.98	18.90	19.50	

LTE B66-State1&3 -Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)
10	1	LOW	QPSK	21.06	21.34	21.47	22.00
		MID	QPSK	21.47	21.67	21.48	22.00
		HIGH	QPSK	21.43	21.66	21.58	22.00
	25	LOW	QPSK	20.90	21.00	21.06	21.50
		MID	QPSK	20.95	21.09	21.10	21.50
		HIGH	QPSK	21.05	21.12	20.85	21.50
50	LOW	QPSK	21.01	21.10	20.82	21.50	
10	1	LOW	Q16	21.13	21.33	21.36	21.50
		MID	Q16	21.38	21.44	21.32	21.50
		HIGH	Q16	21.41	21.47	21.42	21.50
	25	LOW	Q16	19.80	19.94	19.85	20.50
		MID	Q16	20.05	19.91	19.85	20.50
		HIGH	Q16	19.86	20.08	19.74	20.50
50	LOW	Q16	19.84	19.92	19.98	20.50	
10	1	LOW	64QAM	20.10	20.09	20.33	20.50
		MID	64QAM	20.33	20.50	20.32	20.50
		HIGH	64QAM	20.46	20.50	20.27	20.50
	25	LOW	64QAM	18.68	18.81	18.78	19.50
		MID	64QAM	18.91	19.03	18.94	19.50
		HIGH	64QAM	18.91	19.07	18.91	19.50
50	LOW	64QAM	18.97	18.91	18.71	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
15	1	LOW	QPSK	21.16	21.45	21.31	22.00
		MID	QPSK	21.48	21.61	21.39	22.00
		HIGH	QPSK	21.51	21.56	21.43	22.00
	36	LOW	QPSK	20.66	21.07	20.95	21.50
		MID	QPSK	21.01	21.11	20.86	21.50
		HIGH	QPSK	20.88	20.95	21.09	21.50
75	LOW	QPSK	20.93	20.92	20.79	21.50	
15	1	LOW	Q16	21.14	21.47	21.31	21.50
		MID	Q16	21.47	21.27	21.47	21.50
		HIGH	Q16	21.42	21.42	21.33	21.50
	36	LOW	Q16	19.84	20.06	19.86	20.50
		MID	Q16	19.90	20.04	19.88	20.50
		HIGH	Q16	19.79	19.99	19.73	20.50
75	LOW	Q16	19.76	19.95	19.85	20.50	
15	1	LOW	64QAM	20.11	20.19	20.39	20.50
		MID	64QAM	20.40	20.47	20.36	20.50
		HIGH	64QAM	20.35	20.31	20.34	20.50
	36	LOW	64QAM	18.86	19.01	18.81	19.50
		MID	64QAM	18.79	18.90	18.90	19.50
		HIGH	64QAM	18.97	18.91	18.97	19.50
75	LOW	64QAM	18.96	18.87	18.68	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20	1	LOW	QPSK	21.17	21.44	21.37	22.00
		MID	QPSK	21.36	21.54	21.40	22.00
		HIGH	QPSK	21.55	21.60	21.54	22.00
	50	LOW	QPSK	20.79	20.97	20.93	21.50
		MID	QPSK	20.88	21.02	20.98	21.50
		HIGH	QPSK	20.90	21.02	20.95	21.50
100	LOW	QPSK	20.86	20.98	20.92	21.50	
20	1	LOW	Q16	21.26	21.33	21.35	21.50
		MID	Q16	21.43	21.40	21.35	21.50
		HIGH	Q16	21.42	21.47	21.47	21.50
	50	LOW	Q16	19.82	19.98	19.88	20.50
		MID	Q16	19.90	20.01	19.94	20.50
		HIGH	Q16	19.94	20.04	19.88	20.50
100	LOW	Q16	19.89	19.98	19.92	20.50	
20	1	LOW	64QAM	20.19	20.21	20.45	20.50
		MID	64QAM	20.39	20.41	20.28	20.50
		HIGH	64QAM	20.44	20.35	20.33	20.50
	50	LOW	64QAM	18.75	18.96	18.77	19.50
		MID	64QAM	18.80	18.92	18.89	19.50
		HIGH	64QAM	18.88	18.93	18.89	19.50
100	LOW	64QAM	18.98	18.91	18.78	19.50	

LTE B66-State2 &4-Ant.2							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dB m)
1.4	1	LOW	QPSK	21.64	21.94	21.94	22.50
		MID	QPSK	21.61	21.94	21.92	22.50
		HIGH	QPSK	21.64	21.99	21.94	22.50
	3	LOW	QPSK	21.67	21.96	21.97	22.50
		MID	QPSK	21.70	22.01	21.97	22.50
		HIGH	QPSK	21.70	21.94	21.99	22.50
6	LOW	QPSK	20.68	20.96	20.92	21.50	
1.4	1	LOW	Q16	20.83	21.36	21.01	21.50
		MID	Q16	20.73	21.38	21.01	21.50
		HIGH	Q16	20.84	21.41	21.05	21.50
	3	LOW	Q16	20.68	21.16	21.10	21.50
		MID	Q16	20.73	21.15	21.13	21.50
		HIGH	Q16	20.76	21.15	21.11	21.50
6	LOW	Q16	19.85	19.86	20.14	20.50	
1.4	1	LOW	64QAM	19.89	20.40	19.96	20.50
		MID	64QAM	19.61	20.26	20.14	20.50
		HIGH	64QAM	19.99	20.48	20.19	20.50
	3	LOW	64QAM	19.62	20.25	20.20	20.50
		MID	64QAM	19.76	20.11	20.04	20.50
		HIGH	64QAM	19.65	20.03	20.23	20.50
6	LOW	64QAM	18.85	18.79	19.14	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dB m)
3	1	LOW	QPSK	21.86	21.97	21.75	22.50
		MID	QPSK	21.82	22.03	21.85	22.50
		HIGH	QPSK	21.94	22.24	22.20	22.50
	8	LOW	QPSK	20.87	21.01	20.93	21.50
		MID	QPSK	20.77	21.02	20.90	21.50
		HIGH	QPSK	20.82	21.11	20.80	21.50
15	LOW	QPSK	20.88	20.88	20.89	21.50	
3	1	LOW	Q16	21.41	21.24	21.46	21.50
		MID	Q16	21.32	21.36	21.19	21.50
		HIGH	Q16	21.36	21.38	21.42	21.50
	8	LOW	Q16	19.95	19.95	19.88	20.50
		MID	Q16	19.94	20.04	20.03	20.50
		HIGH	Q16	19.91	20.02	20.00	20.50
15	LOW	Q16	19.80	20.05	19.98	20.50	
3	1	LOW	64QAM	20.47	20.50	20.34	20.50
		MID	64QAM	20.35	20.49	20.39	20.50
		HIGH	64QAM	20.48	20.24	20.40	20.50
	8	LOW	64QAM	18.98	19.06	18.77	19.50
		MID	64QAM	18.91	18.93	18.76	19.50
		HIGH	64QAM	19.22	19.03	18.80	19.50
15	LOW	64QAM	18.71	19.02	19.00	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dB m)
5	1	LOW	QPSK	21.81	21.81	21.83	22.50
		MID	QPSK	21.84	22.08	22.04	22.50
		HIGH	QPSK	22.02	22.19	22.14	22.50
	12	LOW	QPSK	20.73	21.08	21.00	21.50
		MID	QPSK	20.98	21.17	20.98	21.50
		HIGH	QPSK	20.94	21.16	21.00	21.50
25	LOW	QPSK	20.92	20.98	20.98	21.50	
5	1	LOW	Q16	21.17	21.45	21.34	21.50
		MID	Q16	21.41	21.49	21.18	21.50
		HIGH	Q16	21.41	21.44	21.43	21.50
	12	LOW	Q16	19.80	19.86	19.93	20.50
		MID	Q16	19.92	20.14	20.00	20.50
		HIGH	Q16	19.92	19.95	19.87	20.50
25	LOW	Q16	19.83	20.13	19.94	20.50	
5	1	LOW	64QAM	20.25	20.45	20.20	20.50
		MID	64QAM	20.37	20.50	20.40	20.50
		HIGH	64QAM	20.48	20.38	20.44	20.50
	12	LOW	64QAM	18.93	18.92	18.88	19.50
		MID	64QAM	18.95	19.18	18.68	19.50
		HIGH	64QAM	19.24	18.94	18.87	19.50
25	LOW	64QAM	18.90	19.14	19.08	19.50	

LTE B66-State2 &4-Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dB m)	
10	1	LOW	QPSK	21.84	21.88	21.93	22.50	
		MID	QPSK	21.90	22.05	22.06	22.50	
		HIGH	QPSK	22.20	22.05	22.01	22.50	
	25	LOW	QPSK	20.65	20.97	20.97	21.50	
		MID	QPSK	20.85	20.88	21.07	21.50	
		HIGH	QPSK	20.97	21.16	20.93	21.50	
	50	LOW	QPSK	20.80	20.98	21.07	21.50	
	10	1	LOW	Q16	21.38	21.43	21.20	21.50
			MID	Q16	21.33	21.37	21.45	21.50
HIGH			Q16	21.37	21.38	21.40	21.50	
25		LOW	Q16	19.88	20.01	19.93	20.50	
		MID	Q16	19.76	19.93	20.00	20.50	
		HIGH	Q16	19.94	20.02	20.01	20.50	
50		LOW	Q16	19.75	20.08	19.90	20.50	
10		1	LOW	64QAM	20.30	20.46	20.24	20.50
			MID	64QAM	20.35	20.43	20.29	20.50
	HIGH		64QAM	20.31	20.37	20.35	20.50	
	25	LOW	64QAM	19.03	18.95	18.63	19.50	
		MID	64QAM	18.98	19.18	18.82	19.50	
		HIGH	64QAM	19.22	19.05	18.98	19.50	
	50	LOW	64QAM	18.80	19.24	19.12	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dB m)
	15	1	LOW	QPSK	21.82	21.95	21.78	22.50
MID			QPSK	21.80	22.03	21.93	22.50	
HIGH			QPSK	22.04	22.08	22.07	22.50	
36		LOW	QPSK	20.74	21.02	20.87	21.50	
		MID	QPSK	20.78	21.12	21.01	21.50	
		HIGH	QPSK	20.87	21.10	21.07	21.50	
75		LOW	QPSK	21.04	20.91	21.09	21.50	
15		1	LOW	Q16	21.33	21.38	21.37	21.50
			MID	Q16	21.31	21.50	21.20	21.50
	HIGH		Q16	21.45	21.36	21.43	21.50	
	36	LOW	Q16	19.94	20.15	19.80	20.50	
		MID	Q16	19.82	20.09	20.04	20.50	
		HIGH	Q16	19.94	20.05	20.03	20.50	
	75	LOW	Q16	19.80	19.88	20.01	20.50	
	15	1	LOW	64QAM	20.36	20.43	20.29	20.50
			MID	64QAM	20.48	20.42	20.37	20.50
HIGH			64QAM	20.36	20.28	20.31	20.50	
36		LOW	64QAM	18.79	18.86	18.76	19.50	
		MID	64QAM	18.98	19.21	18.91	19.50	
		HIGH	64QAM	19.24	19.13	18.91	19.50	
75		LOW	64QAM	18.71	18.95	18.91	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dB m)
20		1	LOW	QPSK	21.72	21.96	21.89	22.50
	MID		QPSK	21.85	22.03	21.91	22.50	
	HIGH		QPSK	22.07	22.11	22.05	22.50	
	50	LOW	QPSK	20.80	20.99	20.94	21.50	
		MID	QPSK	20.90	21.02	20.99	21.50	
		HIGH	QPSK	20.96	21.03	20.94	21.50	
	100	LOW	QPSK	20.90	20.99	20.94	21.50	
	20	1	LOW	Q16	21.31	21.33	21.34	21.50
			MID	Q16	21.45	21.40	21.32	21.50
HIGH			Q16	21.47	21.48	21.48	21.50	
50		LOW	Q16	19.81	20.00	19.88	20.50	
		MID	Q16	19.91	20.02	19.96	20.50	
		HIGH	Q16	19.96	20.04	19.89	20.50	
100		LOW	Q16	19.89	19.98	19.93	20.50	
20		1	LOW	64QAM	20.37	20.39	20.30	20.50
			MID	64QAM	20.42	20.43	20.26	20.50
	HIGH		64QAM	20.49	20.39	20.42	20.50	
	50	LOW	64QAM	18.90	18.99	18.74	19.50	
		MID	64QAM	18.94	19.07	18.82	19.50	
		HIGH	64QAM	19.11	19.05	18.91	19.50	
	100	LOW	64QAM	18.78	19.09	19.05	19.50	

8.3.9 LTE Band66 Output Power

LTE B66-Full Power -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.64	21.94	21.94	22.50	
		MID	QPSK	21.61	21.94	21.92	22.50	
		HIGH	QPSK	21.64	21.99	21.94	22.50	
	3	LOW	QPSK	21.67	21.96	21.97	22.50	
		MID	QPSK	21.70	22.01	21.97	22.50	
		HIGH	QPSK	21.70	21.94	21.99	22.50	
	6	LOW	QPSK	20.68	20.96	20.92	21.50	
	1.4	1	LOW	Q16	20.83	21.36	21.01	21.50
			MID	Q16	20.73	21.38	21.01	21.50
HIGH			Q16	20.84	21.41	21.05	21.50	
3		LOW	Q16	20.68	21.16	21.10	21.50	
		MID	Q16	20.73	21.15	21.13	21.50	
		HIGH	Q16	20.76	21.15	21.11	21.50	
6		LOW	Q16	19.85	19.86	20.14	20.50	
1.4		1	LOW	64QAM	19.96	20.30	19.89	20.50
			MID	64QAM	19.64	20.42	20.08	20.50
	HIGH		64QAM	19.89	20.13	19.90	20.50	
	3	LOW	64QAM	19.53	20.07	20.09	20.50	
		MID	64QAM	19.66	20.22	20.16	20.50	
		HIGH	64QAM	19.79	20.02	20.26	20.50	
	6	LOW	64QAM	18.99	18.75	19.18	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	21.64	21.92	21.86	22.50
MID			QPSK	21.94	21.99	22.04	22.50	
HIGH			QPSK	22.18	22.19	22.07	22.50	
8		LOW	QPSK	20.77	21.13	21.08	21.50	
		MID	QPSK	20.93	21.14	20.86	21.50	
		HIGH	QPSK	20.91	20.90	20.81	21.50	
15		LOW	QPSK	20.94	21.01	20.91	21.50	
3		1	LOW	Q16	21.45	21.27	21.19	21.50
			MID	Q16	21.50	21.25	21.21	21.50
	HIGH		Q16	21.45	21.36	21.38	21.50	
	8	LOW	Q16	19.72	20.08	20.02	20.50	
		MID	Q16	19.99	19.97	19.92	20.50	
		HIGH	Q16	19.97	19.90	19.74	20.50	
	15	LOW	Q16	19.96	19.99	19.93	20.50	
	3	1	LOW	64QAM	20.38	20.37	20.44	20.50
			MID	64QAM	20.36	20.41	20.32	20.50
HIGH			64QAM	20.44	20.47	20.43	20.50	
8		LOW	64QAM	18.94	19.27	18.73	19.50	
		MID	64QAM	18.81	19.21	18.99	19.50	
		HIGH	64QAM	18.72	19.13	18.91	19.50	
15		LOW	64QAM	18.83	19.09	18.89	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.63	21.84	21.80	22.50
	MID		QPSK	21.80	22.15	22.03	22.50	
	HIGH		QPSK	22.01	22.07	22.02	22.50	
	12	LOW	QPSK	20.67	20.87	21.06	21.50	
		MID	QPSK	20.98	20.98	20.91	21.50	
		HIGH	QPSK	21.00	20.89	21.08	21.50	
	25	LOW	QPSK	20.85	20.85	20.79	21.50	
	5	1	LOW	Q16	21.45	21.20	21.28	21.50
			MID	Q16	21.35	21.40	21.39	21.50
HIGH			Q16	21.47	21.48	21.44	21.50	
12		LOW	Q16	19.80	19.94	19.73	20.50	
		MID	Q16	20.03	19.89	20.02	20.50	
		HIGH	Q16	20.05	20.10	19.77	20.50	
25		LOW	Q16	19.99	19.99	19.81	20.50	
5		1	LOW	64QAM	20.41	20.25	20.45	20.50
			MID	64QAM	20.24	20.33	20.30	20.50
	HIGH		64QAM	20.45	20.39	20.48	20.50	
	12	LOW	64QAM	18.89	19.29	18.66	19.50	
		MID	64QAM	18.97	19.06	18.79	19.50	
		HIGH	64QAM	18.88	18.88	18.97	19.50	
	25	LOW	64QAM	18.70	19.20	18.85	19.50	

LTE B66-Full Power -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	21.65	21.90	21.92	22.50	
		MID	QPSK	21.72	22.11	21.93	22.50	
		HIGH	QPSK	22.15	22.19	22.11	22.50	
	25	LOW	QPSK	20.67	20.86	20.80	21.50	
		MID	QPSK	20.88	20.95	21.12	21.50	
		HIGH	QPSK	20.93	20.92	20.86	21.50	
	50	LOW	QPSK	21.03	21.11	21.00	21.50	
	10	1	LOW	Q16	21.32	21.26	21.44	21.50
			MID	Q16	21.35	21.33	21.22	21.50
HIGH			Q16	21.49	21.40	21.33	21.50	
25		LOW	Q16	19.75	20.10	19.83	20.50	
		MID	Q16	19.92	20.09	19.81	20.50	
		HIGH	Q16	20.05	20.19	20.03	20.50	
50		LOW	Q16	19.80	19.85	19.90	20.50	
10		1	LOW	64QAM	20.34	20.16	20.32	20.50
			MID	64QAM	20.47	20.44	20.29	20.50
	HIGH		64QAM	20.32	20.32	20.32	20.50	
	25	LOW	64QAM	18.85	19.20	18.69	19.50	
		MID	64QAM	19.06	19.04	19.04	19.50	
		HIGH	64QAM	18.91	18.90	19.08	19.50	
	50	LOW	64QAM	18.91	18.93	18.96	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	21.71	22.07	21.97	22.50
MID			QPSK	21.97	22.12	21.97	22.50	
HIGH			QPSK	22.15	22.19	22.10	22.50	
36		LOW	QPSK	20.92	20.88	20.90	21.50	
		MID	QPSK	20.94	21.12	20.84	21.50	
		HIGH	QPSK	20.87	21.18	20.94	21.50	
75		LOW	QPSK	21.00	21.06	20.96	21.50	
15		1	LOW	Q16	21.17	21.29	21.30	21.50
			MID	Q16	21.38	21.42	21.46	21.50
	HIGH		Q16	21.49	21.37	21.35	21.50	
	36	LOW	Q16	19.78	20.09	19.78	20.50	
		MID	Q16	19.80	19.98	20.10	20.50	
		HIGH	Q16	19.87	20.02	19.79	20.50	
	75	LOW	Q16	20.04	19.86	19.97	20.50	
	15	1	LOW	64QAM	20.47	20.08	20.27	20.50
			MID	64QAM	20.27	20.39	20.22	20.50
HIGH			64QAM	20.38	20.38	20.40	20.50	
36		LOW	64QAM	18.93	19.11	18.83	19.50	
		MID	64QAM	18.94	19.14	18.93	19.50	
		HIGH	64QAM	18.84	18.84	19.13	19.50	
75		LOW	64QAM	18.87	19.12	18.97	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	21.72	21.96	21.89	22.50
	MID		QPSK	21.85	22.03	21.91	22.50	
	HIGH		QPSK	22.07	22.11	22.05	22.50	
	50	LOW	QPSK	20.80	20.99	20.94	21.50	
		MID	QPSK	20.90	21.02	20.99	21.50	
		HIGH	QPSK	20.96	21.03	20.94	21.50	
	100	LOW	QPSK	20.90	20.99	20.94	21.50	
	20	1	LOW	Q16	21.31	21.33	21.34	21.50
			MID	Q16	21.45	21.40	21.32	21.50
HIGH			Q16	21.47	21.48	21.48	21.50	
50		LOW	Q16	19.81	20.00	19.88	20.50	
		MID	Q16	19.91	20.02	19.96	20.50	
		HIGH	Q16	19.96	20.04	19.89	20.50	
100		LOW	Q16	19.89	19.98	19.93	20.50	
20		1	LOW	64QAM	20.36	20.22	20.37	20.50
			MID	64QAM	20.38	20.38	20.29	20.50
	HIGH		64QAM	20.49	20.42	20.43	20.50	
	50	LOW	64QAM	18.88	19.14	18.73	19.50	
		MID	64QAM	18.95	19.09	18.90	19.50	
		HIGH	64QAM	18.85	18.98	19.00	19.50	
	100	LOW	64QAM	18.78	19.05	18.84	19.50	

LTE B66-State1&3 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.80	18.77	19.03	19.50	
		MID	QPSK	18.75	19.09	19.05	19.50	
		HIGH	QPSK	18.92	18.87	18.85	19.50	
	3	LOW	QPSK	19.04	18.87	18.96	19.50	
		MID	QPSK	18.97	19.12	18.95	19.50	
		HIGH	QPSK	18.87	18.80	18.82	19.50	
	6	LOW	QPSK	19.19	19.11	19.21	19.50	
	1.4	1	LOW	Q16	18.91	18.83	18.90	19.50
			MID	Q16	18.97	19.07	18.84	19.50
HIGH			Q16	19.09	18.92	19.16	19.50	
3		LOW	Q16	18.90	19.06	18.85	19.50	
		MID	Q16	18.84	18.97	18.86	19.50	
		HIGH	Q16	18.93	19.11	19.21	19.50	
6		LOW	Q16	19.21	18.95	18.93	19.50	
1.4		1	LOW	64QAM	18.85	18.88	18.85	19.50
			MID	64QAM	19.03	19.16	18.93	19.50
	HIGH		64QAM	19.16	19.00	19.11	19.50	
	3	LOW	64QAM	18.83	19.07	18.89	19.50	
		MID	64QAM	18.87	19.11	18.84	19.50	
		HIGH	64QAM	18.94	19.11	19.07	19.50	
	6	LOW	64QAM	19.12	18.99	18.86	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	19.02	18.78	18.79	19.50
MID			QPSK	18.94	19.00	18.81	19.50	
HIGH			QPSK	19.07	18.82	19.05	19.50	
8		LOW	QPSK	19.09	18.74	18.98	19.50	
		MID	QPSK	18.91	18.83	19.12	19.50	
		HIGH	QPSK	19.10	19.12	19.00	19.50	
15		LOW	QPSK	19.03	18.91	19.03	19.50	
3		1	LOW	Q16	19.04	19.05	18.91	19.50
			MID	Q16	18.91	18.85	18.82	19.50
	HIGH		Q16	19.15	18.93	18.97	19.50	
	8	LOW	Q16	18.74	19.04	19.10	19.50	
		MID	Q16	18.99	18.79	18.86	19.50	
		HIGH	Q16	18.98	18.84	19.17	19.50	
	15	LOW	Q16	19.10	19.03	19.03	19.50	
	3	1	LOW	64QAM	18.69	18.80	19.06	19.50
			MID	64QAM	18.97	19.04	18.97	19.50
HIGH			64QAM	18.96	18.68	19.00	19.50	
8		LOW	64QAM	18.80	18.76	19.29	19.50	
		MID	64QAM	19.38	18.68	18.87	19.50	
		HIGH	64QAM	19.15	18.84	18.96	19.50	
15		LOW	64QAM	18.96	19.11	19.03	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	18.87	19.00	19.01	19.50
	MID		QPSK	18.79	18.94	18.98	19.50	
	HIGH		QPSK	19.03	18.80	18.95	19.50	
	12	LOW	QPSK	19.17	18.83	19.16	19.50	
		MID	QPSK	19.09	18.95	19.03	19.50	
		HIGH	QPSK	18.85	19.17	19.00	19.50	
	25	LOW	QPSK	19.06	19.12	19.05	19.50	
	5	1	LOW	Q16	19.04	18.98	18.80	19.50
			MID	Q16	18.78	18.86	18.80	19.50
HIGH			Q16	18.85	19.08	19.13	19.50	
12		LOW	Q16	18.76	18.92	19.28	19.50	
		MID	Q16	19.22	18.98	18.97	19.50	
		HIGH	Q16	19.08	19.01	19.05	19.50	
25		LOW	Q16	19.04	19.00	19.15	19.50	
5		1	LOW	64QAM	18.80	18.86	18.98	19.50
			MID	64QAM	19.12	19.00	18.94	19.50
	HIGH		64QAM	19.02	18.78	19.00	19.50	
	12	LOW	64QAM	18.77	18.69	19.18	19.50	
		MID	64QAM	19.36	18.65	19.05	19.50	
		HIGH	64QAM	18.94	18.92	19.07	19.50	
	25	LOW	64QAM	18.85	19.15	19.13	19.50	

LTE B66-State1&3 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	18.94	18.78	18.96	19.50	
		MID	QPSK	18.92	19.11	18.84	19.50	
		HIGH	QPSK	19.01	18.87	18.98	19.50	
	25	LOW	QPSK	19.13	18.73	19.15	19.50	
		MID	QPSK	19.08	18.98	19.05	19.50	
		HIGH	QPSK	19.04	19.06	19.03	19.50	
	50	LOW	QPSK	19.20	19.00	19.26	19.50	
	10	1	LOW	Q16	18.99	18.86	18.91	19.50
			MID	Q16	19.07	18.95	18.76	19.50
HIGH			Q16	19.11	18.98	18.97	19.50	
25		LOW	Q16	18.89	19.01	19.17	19.50	
		MID	Q16	19.14	19.03	18.98	19.50	
		HIGH	Q16	19.23	18.80	19.13	19.50	
50		LOW	Q16	18.94	19.16	19.22	19.50	
10		1	LOW	64QAM	18.70	18.76	18.92	19.50
			MID	64QAM	18.89	18.97	18.95	19.50
	HIGH		64QAM	18.95	18.82	19.12	19.50	
	25	LOW	64QAM	18.60	18.85	19.10	19.50	
		MID	64QAM	19.28	18.76	18.93	19.50	
		HIGH	64QAM	19.00	18.77	19.04	19.50	
	50	LOW	64QAM	19.00	19.15	19.02	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	19.05	18.76	18.98	19.50
MID			QPSK	19.00	19.06	18.83	19.50	
HIGH			QPSK	19.11	18.92	19.10	19.50	
36		LOW	QPSK	19.26	18.94	18.98	19.50	
		MID	QPSK	18.94	18.90	19.26	19.50	
		HIGH	QPSK	18.90	19.03	19.02	19.50	
75		LOW	QPSK	18.95	19.20	19.19	19.50	
15		1	LOW	Q16	19.01	19.05	18.85	19.50
			MID	Q16	18.81	19.06	18.99	19.50
	HIGH		Q16	18.86	19.01	19.20	19.50	
	36	LOW	Q16	18.79	18.95	19.18	19.50	
		MID	Q16	19.07	18.76	18.91	19.50	
		HIGH	Q16	19.03	18.90	19.12	19.50	
	75	LOW	Q16	19.07	18.92	19.12	19.50	
	15	1	LOW	64QAM	18.93	18.90	19.00	19.50
			MID	64QAM	18.97	18.84	18.77	19.50
HIGH			64QAM	18.96	18.67	19.01	19.50	
36		LOW	64QAM	18.66	18.88	19.08	19.50	
		MID	64QAM	19.12	18.67	18.99	19.50	
		HIGH	64QAM	19.11	18.81	19.04	19.50	
75		LOW	64QAM	18.94	19.21	18.99	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	18.90	18.91	18.89	19.50
	MID		QPSK	18.90	19.00	18.90	19.50	
	HIGH		QPSK	18.97	18.94	18.97	19.50	
	50	LOW	QPSK	19.11	18.87	19.06	19.50	
		MID	QPSK	19.06	18.87	19.14	19.50	
		HIGH	QPSK	18.96	19.15	19.13	19.50	
	100	LOW	QPSK	19.05	19.06	19.13	19.50	
	20	1	LOW	Q16	18.95	18.93	18.95	19.50
			MID	Q16	18.93	18.97	18.89	19.50
HIGH			Q16	19.00	18.93	19.09	19.50	
50		LOW	Q16	18.86	18.90	19.15	19.50	
		MID	Q16	19.14	18.88	18.99	19.50	
		HIGH	Q16	19.09	18.95	19.12	19.50	
100		LOW	Q16	19.07	19.04	19.07	19.50	
20		1	LOW	64QAM	18.82	18.79	18.98	19.50
			MID	64QAM	18.99	18.92	18.86	19.50
	HIGH		64QAM	19.02	18.82	19.13	19.50	
	50	LOW	64QAM	18.74	18.76	19.16	19.50	
		MID	64QAM	19.27	18.74	18.92	19.50	
		HIGH	64QAM	19.03	18.92	19.00	19.50	
	100	LOW	64QAM	18.96	19.19	19.05	19.50	

LTE B66-State2&4 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.64	21.94	21.94	22.50	
		MID	QPSK	21.61	21.94	21.92	22.50	
		HIGH	QPSK	21.64	21.99	21.94	22.50	
	3	LOW	QPSK	21.67	21.96	21.97	22.50	
		MID	QPSK	21.70	22.01	21.97	22.50	
		HIGH	QPSK	21.70	21.94	21.99	22.50	
	6	LOW	QPSK	20.68	20.96	20.92	21.50	
	1.4	1	LOW	Q16	20.83	21.36	21.01	21.50
			MID	Q16	20.73	21.38	21.01	21.50
HIGH			Q16	20.84	21.41	21.05	21.50	
3		LOW	Q16	20.68	21.16	21.10	21.50	
		MID	Q16	20.73	21.15	21.13	21.50	
		HIGH	Q16	20.76	21.15	21.11	21.50	
6		LOW	Q16	19.85	19.86	20.14	20.50	
1.4		1	LOW	64QAM	19.96	20.30	19.89	20.50
			MID	64QAM	19.64	20.42	20.08	20.50
	HIGH		64QAM	19.89	20.13	19.90	20.50	
	3	LOW	64QAM	19.53	20.07	20.09	20.50	
		MID	64QAM	19.66	20.22	20.16	20.50	
		HIGH	64QAM	19.79	20.02	20.26	20.50	
	6	LOW	64QAM	18.99	18.75	19.18	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	21.64	21.92	21.86	22.50
MID			QPSK	21.94	21.99	22.04	22.50	
HIGH			QPSK	22.18	22.19	22.07	22.50	
8		LOW	QPSK	20.77	21.13	21.08	21.50	
		MID	QPSK	20.93	21.14	20.86	21.50	
		HIGH	QPSK	20.91	20.90	20.81	21.50	
15		LOW	QPSK	20.94	21.01	20.91	21.50	
3		1	LOW	Q16	21.45	21.27	21.19	21.50
			MID	Q16	21.50	21.25	21.21	21.50
	HIGH		Q16	21.45	21.36	21.38	21.50	
	8	LOW	Q16	19.72	20.08	20.02	20.50	
		MID	Q16	19.99	19.97	19.92	20.50	
		HIGH	Q16	19.97	19.90	19.74	20.50	
	15	LOW	Q16	19.96	19.99	19.93	20.50	
	3	1	LOW	64QAM	20.38	20.37	20.44	20.50
			MID	64QAM	20.36	20.41	20.32	20.50
HIGH			64QAM	20.44	20.47	20.43	20.50	
8		LOW	64QAM	18.94	19.27	18.73	19.50	
		MID	64QAM	18.81	19.21	18.99	19.50	
		HIGH	64QAM	18.72	19.13	18.91	19.50	
15		LOW	64QAM	18.83	19.09	18.89	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.63	21.84	21.80	22.50
	MID		QPSK	21.80	22.15	22.03	22.50	
	HIGH		QPSK	22.01	22.07	22.02	22.50	
	12	LOW	QPSK	20.67	20.87	21.06	21.50	
		MID	QPSK	20.98	20.98	20.91	21.50	
		HIGH	QPSK	21.00	20.89	21.08	21.50	
	25	LOW	QPSK	20.85	20.85	20.79	21.50	
	5	1	LOW	Q16	21.45	21.20	21.28	21.50
			MID	Q16	21.35	21.40	21.39	21.50
HIGH			Q16	21.47	21.48	21.44	21.50	
12		LOW	Q16	19.80	19.94	19.73	20.50	
		MID	Q16	20.03	19.89	20.02	20.50	
		HIGH	Q16	20.05	20.10	19.77	20.50	
25		LOW	Q16	19.99	19.99	19.81	20.50	
5		1	LOW	64QAM	20.41	20.25	20.45	20.50
			MID	64QAM	20.24	20.33	20.30	20.50
	HIGH		64QAM	20.45	20.39	20.48	20.50	
	12	LOW	64QAM	18.89	19.29	18.66	19.50	
		MID	64QAM	18.97	19.06	18.79	19.50	
		HIGH	64QAM	18.88	18.88	18.97	19.50	
	25	LOW	64QAM	18.70	19.20	18.85	19.50	

LTE B66-State2&4 -Ant.2(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	21.65	21.90	21.92	22.50	
		MID	QPSK	21.72	22.11	21.93	22.50	
		HIGH	QPSK	22.15	22.19	22.11	22.50	
	25	LOW	QPSK	20.67	20.86	20.80	21.50	
		MID	QPSK	20.88	20.95	21.12	21.50	
		HIGH	QPSK	20.93	20.92	20.86	21.50	
	50	LOW	QPSK	21.03	21.11	21.00	21.50	
	10	1	LOW	Q16	21.32	21.26	21.44	21.50
			MID	Q16	21.35	21.33	21.22	21.50
HIGH			Q16	21.49	21.40	21.33	21.50	
25		LOW	Q16	19.75	20.10	19.83	20.50	
		MID	Q16	19.92	20.09	19.81	20.50	
		HIGH	Q16	20.05	20.19	20.03	20.50	
50		LOW	Q16	19.80	19.85	19.90	20.50	
10		1	LOW	64QAM	20.34	20.16	20.32	20.50
			MID	64QAM	20.47	20.44	20.29	20.50
	HIGH		64QAM	20.32	20.32	20.32	20.50	
	25	LOW	64QAM	18.85	19.20	18.69	19.50	
		MID	64QAM	19.06	19.04	19.04	19.50	
		HIGH	64QAM	18.91	18.90	19.08	19.50	
	50	LOW	64QAM	18.91	18.93	18.96	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	21.71	22.07	21.97	22.50
MID			QPSK	21.97	22.12	21.97	22.50	
HIGH			QPSK	22.15	22.19	22.10	22.50	
36		LOW	QPSK	20.92	20.88	20.90	21.50	
		MID	QPSK	20.94	21.12	20.84	21.50	
		HIGH	QPSK	20.87	21.18	20.94	21.50	
75		LOW	QPSK	21.00	21.06	20.96	21.50	
15		1	LOW	Q16	21.17	21.29	21.30	21.50
			MID	Q16	21.38	21.42	21.46	21.50
	HIGH		Q16	21.49	21.37	21.35	21.50	
	36	LOW	Q16	19.78	20.09	19.78	20.50	
		MID	Q16	19.80	19.98	20.10	20.50	
		HIGH	Q16	19.87	20.02	19.79	20.50	
	75	LOW	Q16	20.04	19.86	19.97	20.50	
	15	1	LOW	64QAM	20.47	20.08	20.27	20.50
			MID	64QAM	20.27	20.39	20.22	20.50
HIGH			64QAM	20.38	20.38	20.40	20.50	
36		LOW	64QAM	18.93	19.11	18.83	19.50	
		MID	64QAM	18.94	19.14	18.93	19.50	
		HIGH	64QAM	18.84	18.84	19.13	19.50	
75		LOW	64QAM	18.87	19.12	18.97	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	21.72	21.96	21.89	22.50
	MID		QPSK	21.85	22.03	21.91	22.50	
	HIGH		QPSK	22.07	22.11	22.05	22.50	
	50	LOW	QPSK	20.80	20.99	20.94	21.50	
		MID	QPSK	20.90	21.02	20.99	21.50	
		HIGH	QPSK	20.96	21.03	20.94	21.50	
	100	LOW	QPSK	20.90	20.99	20.94	21.50	
	20	1	LOW	Q16	21.31	21.33	21.34	21.50
			MID	Q16	21.45	21.40	21.32	21.50
HIGH			Q16	21.47	21.48	21.48	21.50	
50		LOW	Q16	19.81	20.00	19.88	20.50	
		MID	Q16	19.91	20.02	19.96	20.50	
		HIGH	Q16	19.96	20.04	19.89	20.50	
100		LOW	Q16	19.89	19.98	19.93	20.50	
20		1	LOW	64QAM	20.36	20.22	20.37	20.50
			MID	64QAM	20.38	20.38	20.29	20.50
	HIGH		64QAM	20.49	20.42	20.43	20.50	
	50	LOW	64QAM	18.88	19.14	18.73	19.50	
		MID	64QAM	18.95	19.09	18.90	19.50	
		HIGH	64QAM	18.85	18.98	19.00	19.50	
	100	LOW	64QAM	18.78	19.05	18.84	19.50	

8.3.10 LTE Band38 Output Power

LTE B38-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.83	22.70	22.92	24.00	
		MID	QPSK	23.00	23.03	23.06	24.00	
		HIGH	QPSK	23.03	22.99	22.98	24.00	
	12	LOW	QPSK	21.81	21.88	22.18	23.00	
		MID	QPSK	22.02	21.92	22.24	23.00	
		HIGH	QPSK	21.99	21.93	22.27	23.00	
	25	LOW	QPSK	21.76	22.11	21.89	23.00	
	5	1	LOW	Q16	21.64	21.70	22.08	23.00
			MID	Q16	21.73	21.95	22.42	23.00
HIGH			Q16	21.92	21.84	22.10	23.00	
12		LOW	Q16	20.69	21.08	21.09	22.00	
		MID	Q16	20.85	20.87	21.25	22.00	
		HIGH	Q16	21.03	21.12	21.05	22.00	
25		LOW	Q16	20.85	20.88	21.06	22.00	
5		1	LOW	64QAM	20.76	20.70	21.12	22.00
			MID	64QAM	20.74	20.69	21.18	22.00
	HIGH		64QAM	21.11	20.87	21.10	22.00	
	12	LOW	64QAM	19.85	20.06	20.25	21.00	
		MID	64QAM	20.07	19.90	19.91	21.00	
		HIGH	64QAM	19.89	20.00	19.83	21.00	
	25	LOW	64QAM	19.66	20.15	20.08	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.80	22.72	23.05	24.00
MID			QPSK	22.86	22.96	23.21	24.00	
HIGH			QPSK	22.95	22.97	22.99	24.00	
25		LOW	QPSK	21.80	22.03	22.05	23.00	
		MID	QPSK	22.12	22.03	22.15	23.00	
		HIGH	QPSK	21.82	22.07	22.10	23.00	
50	LOW	QPSK	21.97	21.96	21.98	23.00		
10	1	LOW	Q16	21.73	21.63	22.14	23.00	
		MID	Q16	22.02	21.89	22.14	23.00	
		HIGH	Q16	21.89	21.86	22.16	23.00	
	25	LOW	Q16	20.95	21.06	20.87	22.00	
		MID	Q16	20.88	20.93	21.18	22.00	
		HIGH	Q16	21.04	21.11	21.19	22.00	
	50	LOW	Q16	20.92	20.87	20.95	22.00	
	10	1	LOW	64QAM	20.67	20.63	21.05	22.00
			MID	64QAM	20.78	20.75	21.10	22.00
HIGH			64QAM	21.20	20.80	21.06	22.00	
25		LOW	64QAM	19.64	20.14	20.04	21.00	
		MID	64QAM	19.90	20.05	19.95	21.00	
		HIGH	64QAM	19.72	19.93	20.11	21.00	
50		LOW	64QAM	19.62	20.15	20.19	21.00	

LTE B38-Full Power -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.83	22.91	23.00	24.00	
		MID	QPSK	22.91	23.05	23.06	24.00	
		HIGH	QPSK	23.17	22.99	23.03	24.00	
	36	LOW	QPSK	21.78	21.96	21.95	23.00	
		MID	QPSK	21.89	22.08	22.17	23.00	
		HIGH	QPSK	22.04	21.95	22.24	23.00	
	75	LOW	QPSK	21.78	21.91	22.19	23.00	
	15	1	LOW	Q16	21.88	21.81	22.12	23.00
			MID	Q16	21.78	21.75	22.44	23.00
HIGH			Q16	21.91	22.03	22.18	23.00	
36		LOW	Q16	20.79	20.91	20.94	22.00	
		MID	Q16	21.05	20.91	21.02	22.00	
		HIGH	Q16	20.85	20.95	20.99	22.00	
75		LOW	Q16	20.89	20.99	20.95	22.00	
15		1	LOW	64QAM	20.59	20.70	20.93	22.00
			MID	64QAM	20.66	21.09	21.31	22.00
	HIGH		64QAM	21.04	20.80	21.40	22.00	
	36	LOW	64QAM	19.86	19.96	20.17	21.00	
		MID	64QAM	19.95	20.19	20.33	21.00	
		HIGH	64QAM	20.13	19.69	20.29	21.00	
	75	LOW	64QAM	19.95	19.95	20.33	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.87	22.85	22.95	24.00
MID			QPSK	23.01	23.04	23.15	24.00	
HIGH			QPSK	23.06	23.01	23.11	24.00	
50		LOW	QPSK	21.87	21.98	22.04	23.00	
		HIGH	QPSK	21.98	22.03	22.11	23.00	
100		LOW	QPSK	21.94	22.00	22.12	23.00	
20	1	LOW	Q16	21.76	21.74	22.05	23.00	
		MID	Q16	21.87	21.90	22.29	23.00	
		HIGH	Q16	21.97	21.89	22.24	23.00	
	50	LOW	Q16	20.84	20.96	21.02	22.00	
		MID	Q16	20.92	21.01	21.13	22.00	
		HIGH	Q16	20.89	20.99	21.10	22.00	
	100	LOW	Q16	20.83	21.02	21.05	22.00	
	20	1	LOW	64QAM	20.71	20.61	21.06	22.00
			MID	64QAM	20.73	20.99	21.32	22.00
HIGH			64QAM	21.06	20.93	21.31	22.00	
50		LOW	64QAM	19.86	20.10	20.07	21.00	
		MID	64QAM	19.84	20.04	20.23	21.00	
		HIGH	64QAM	20.03	19.84	20.17	21.00	
100		LOW	64QAM	19.93	20.01	20.19	21.00	

LTE B38-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	22.84	22.99	23.10	24.00	
		MID	QPSK	22.96	22.93	23.07	24.00	
		HIGH	QPSK	23.19	23.02	23.14	24.00	
	12	LOW	QPSK	21.88	22.07	21.89	23.00	
		MID	QPSK	21.87	22.13	22.22	23.00	
		HIGH	QPSK	22.05	21.91	21.97	23.00	
	25	LOW	QPSK	21.84	22.02	21.99	23.00	
	5	1	LOW	Q16	21.75	21.82	22.17	23.00
			MID	Q16	21.79	21.79	22.17	23.00
HIGH			Q16	21.90	21.98	22.34	23.00	
12		LOW	Q16	20.84	20.90	20.89	22.00	
		MID	Q16	20.93	21.11	21.26	22.00	
		HIGH	Q16	20.78	21.07	20.98	22.00	
25		LOW	Q16	20.78	21.13	20.96	22.00	
5		1	LOW	64QAM	20.75	20.66	21.12	22.00
			MID	64QAM	21.03	21.07	21.28	22.00
	HIGH		64QAM	20.96	21.18	21.30	22.00	
	12	LOW	64QAM	20.02	19.76	20.30	21.00	
		MID	64QAM	19.97	19.89	20.03	21.00	
		HIGH	64QAM	19.90	20.13	20.04	21.00	
	25	LOW	64QAM	19.91	19.98	19.99	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	22.76	22.91	23.05	24.00
MID			QPSK	23.13	23.13	23.09	24.00	
HIGH			QPSK	23.00	23.05	23.07	24.00	
25		LOW	QPSK	21.79	21.92	21.95	23.00	
		MID	QPSK	22.03	21.94	21.96	23.00	
50		HIGH	QPSK	21.84	22.04	22.08	23.00	
		LOW	QPSK	21.97	22.12	22.18	23.00	
10		1	LOW	Q16	21.88	21.83	22.19	23.00
			MID	Q16	21.90	21.77	22.41	23.00
	HIGH		Q16	22.01	21.87	22.32	23.00	
	25	LOW	Q16	20.73	20.82	21.15	22.00	
		MID	Q16	21.03	21.13	21.19	22.00	
		HIGH	Q16	20.95	20.99	21.04	22.00	
	50	LOW	Q16	20.75	20.91	21.18	22.00	
	10	1	LOW	64QAM	20.71	20.52	21.07	22.00
			MID	64QAM	20.97	20.87	21.29	22.00
HIGH			64QAM	20.86	20.98	21.26	22.00	
25		LOW	64QAM	20.00	19.68	20.11	21.00	
		MID	64QAM	19.75	19.98	20.07	21.00	
50		HIGH	64QAM	19.94	20.16	20.12	21.00	
		LOW	64QAM	19.61	19.95	20.00	21.00	

LTE B38-State1&3 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	22.95	22.93	23.08	24.00	
		MID	QPSK	22.97	23.13	23.16	24.00	
		HIGH	QPSK	23.00	23.05	23.05	24.00	
	36	LOW	QPSK	21.76	22.10	22.08	23.00	
		MID	QPSK	21.87	22.14	22.05	23.00	
		HIGH	QPSK	21.86	22.07	21.98	23.00	
	75	LOW	QPSK	21.90	22.08	22.03	23.00	
	15	1	LOW	Q16	21.66	21.71	22.14	23.00
			MID	Q16	21.74	21.85	22.29	23.00
HIGH			Q16	21.93	21.74	22.38	23.00	
36		LOW	Q16	20.78	21.05	20.89	22.00	
		MID	Q16	20.81	20.87	21.15	22.00	
		HIGH	Q16	20.89	20.86	20.97	22.00	
75		LOW	Q16	20.93	20.88	21.18	22.00	
15		1	LOW	64QAM	20.83	20.78	21.06	22.00
			MID	64QAM	20.89	20.93	21.26	22.00
	HIGH		64QAM	21.18	20.88	21.10	22.00	
	36	LOW	64QAM	19.90	19.87	20.12	21.00	
		MID	64QAM	19.85	20.05	20.10	21.00	
		HIGH	64QAM	19.96	20.13	20.08	21.00	
	75	LOW	64QAM	19.66	20.22	20.18	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	22.87	22.85	22.95	24.00
MID			QPSK	23.01	23.04	23.15	24.00	
HIGH			QPSK	23.06	23.01	23.11	24.00	
50		LOW	QPSK	21.87	21.98	22.04	23.00	
		MID	QPSK	21.98	22.03	22.11	23.00	
		HIGH	QPSK	21.94	22.00	22.12	23.00	
100		LOW	QPSK	21.91	21.99	22.04	23.00	
20		1	LOW	Q16	21.76	21.74	22.05	23.00
			MID	Q16	21.87	21.90	22.29	23.00
	HIGH		Q16	21.97	21.89	22.24	23.00	
	50	LOW	Q16	20.84	20.96	21.02	22.00	
		MID	Q16	20.92	21.01	21.13	22.00	
		HIGH	Q16	20.89	20.99	21.10	22.00	
	100	LOW	Q16	20.83	21.02	21.05	22.00	
	20	1	LOW	64QAM	20.86	20.66	20.98	22.00
			MID	64QAM	20.98	21.04	21.35	22.00
HIGH			64QAM	21.10	20.94	21.11	22.00	
50		LOW	64QAM	19.94	19.95	19.89	21.00	
		MID	64QAM	20.02	19.89	20.16	21.00	
		HIGH	64QAM	19.93	19.92	20.08	21.00	
100		LOW	64QAM	19.70	19.98	20.10	21.00	

LTE B38-State2 &4-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	22.81	22.98	23.09	24.00	
		MID	QPSK	22.96	23.17	23.01	24.00	
		HIGH	QPSK	23.03	22.89	23.13	24.00	
	12	LOW	QPSK	21.84	21.83	21.95	23.00	
		MID	QPSK	22.03	22.01	21.96	23.00	
		HIGH	QPSK	22.06	22.13	22.23	23.00	
	25	LOW	QPSK	21.78	22.06	22.18	23.00	
	5	1	LOW	Q16	21.89	21.59	22.00	23.00
			MID	Q16	21.92	21.87	22.38	23.00
HIGH			Q16	21.92	21.81	22.11	23.00	
12		LOW	Q16	20.79	20.83	21.05	22.00	
		MID	Q16	20.91	21.12	21.28	22.00	
		HIGH	Q16	20.76	21.08	21.19	22.00	
25		LOW	Q16	20.96	21.16	21.17	22.00	
5		1	LOW	64QAM	20.95	20.69	21.20	22.00
			MID	64QAM	20.75	21.17	21.41	22.00
	HIGH		64QAM	20.86	21.03	21.47	22.00	
	12	LOW	64QAM	19.86	19.86	19.80	21.00	
		MID	64QAM	19.74	19.97	20.23	21.00	
		HIGH	64QAM	19.95	19.98	19.89	21.00	
	25	LOW	64QAM	19.90	19.85	20.04	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	22.85	22.83	22.82	24.00
MID			QPSK	22.95	23.04	23.17	24.00	
HIGH			QPSK	23.01	23.03	23.08	24.00	
25		LOW	QPSK	21.96	21.85	22.10	23.00	
		MID	QPSK	21.95	22.14	22.20	23.00	
50		LOW	QPSK	21.83	22.14	22.17	23.00	
10	1	LOW	Q16	21.80	21.67	22.19	23.00	
		MID	Q16	21.95	21.87	22.31	23.00	
		HIGH	Q16	21.82	21.90	22.12	23.00	
	25	LOW	Q16	20.79	21.04	21.04	22.00	
		MID	Q16	21.01	21.14	21.15	22.00	
		HIGH	Q16	20.78	20.92	21.03	22.00	
	50	LOW	Q16	20.77	21.05	21.17	22.00	
	10	1	LOW	64QAM	20.86	20.92	21.02	22.00
			MID	64QAM	20.84	20.92	21.54	22.00
HIGH			64QAM	20.96	20.87	21.30	22.00	
25		LOW	64QAM	19.78	19.93	20.00	21.00	
		MID	64QAM	19.70	20.08	20.30	21.00	
		HIGH	64QAM	20.05	19.83	20.11	21.00	
50		LOW	64QAM	19.94	19.88	20.04	21.00	

LTE B38-State2 &4-Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	22.85	22.70	22.86	24.00	
		MID	QPSK	23.06	23.13	23.06	24.00	
		HIGH	QPSK	22.91	22.89	23.26	24.00	
	36	LOW	QPSK	21.92	22.01	22.08	23.00	
		MID	QPSK	21.94	22.08	22.25	23.00	
		HIGH	QPSK	21.85	22.08	22.16	23.00	
	75	LOW	QPSK	21.88	21.91	22.08	23.00	
	15	1	LOW	Q16	21.71	21.65	22.11	23.00
			MID	Q16	21.81	21.75	22.29	23.00
HIGH			Q16	21.86	22.01	22.11	23.00	
36		LOW	Q16	20.90	20.87	20.88	22.00	
		MID	Q16	21.00	20.97	21.07	22.00	
		HIGH	Q16	20.84	20.89	21.11	22.00	
75		LOW	Q16	20.91	21.04	21.03	22.00	
15		1	LOW	64QAM	20.66	20.55	20.90	22.00
			MID	64QAM	20.86	21.01	21.42	22.00
	HIGH		64QAM	20.97	20.71	21.28	22.00	
	36	LOW	64QAM	19.96	20.21	20.05	21.00	
		MID	64QAM	20.04	19.91	20.08	21.00	
		HIGH	64QAM	20.16	20.14	20.07	21.00	
	75	LOW	64QAM	19.95	19.74	20.04	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	22.87	22.85	22.95	24.00
MID			QPSK	23.01	23.04	23.15	24.00	
HIGH			QPSK	23.06	23.01	23.11	24.00	
50		LOW	QPSK	21.87	21.98	22.04	23.00	
		MID	QPSK	21.98	22.03	22.11	23.00	
100		HIGH	QPSK	21.94	22.00	22.12	23.00	
20	1	LOW	Q16	21.76	21.74	22.05	23.00	
		MID	Q16	21.87	21.90	22.29	23.00	
		HIGH	Q16	21.97	21.89	22.24	23.00	
	50	LOW	Q16	20.84	20.96	21.02	22.00	
		MID	Q16	20.92	21.01	21.13	22.00	
		HIGH	Q16	20.89	20.99	21.10	22.00	
	100	LOW	Q16	20.83	21.02	21.05	22.00	
	20	1	LOW	64QAM	20.83	20.84	20.92	22.00
			MID	64QAM	20.79	21.04	21.39	22.00
HIGH			64QAM	20.94	20.74	21.18	22.00	
50		LOW	64QAM	19.74	19.81	20.00	21.00	
		MID	64QAM	19.78	20.10	20.13	21.00	
		HIGH	64QAM	20.01	20.10	20.18	21.00	
100		LOW	64QAM	19.73	20.11	20.01	21.00	

8.3.10 LTE Band38 Output Power

LTE B38-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.83	22.70	22.92	24.00	
		MID	QPSK	23.00	23.03	23.06	24.00	
		HIGH	QPSK	23.03	22.99	22.98	24.00	
	12	LOW	QPSK	21.81	21.88	22.18	23.00	
		MID	QPSK	22.02	21.92	22.24	23.00	
		HIGH	QPSK	21.99	21.93	22.27	23.00	
	25	LOW	QPSK	21.76	22.11	21.89	23.00	
	5	1	LOW	Q16	21.64	21.70	22.08	23.00
			MID	Q16	21.73	21.95	22.42	23.00
HIGH			Q16	21.92	21.84	22.10	23.00	
12		LOW	Q16	20.69	21.08	21.09	22.00	
		MID	Q16	20.85	20.87	21.25	22.00	
		HIGH	Q16	21.03	21.12	21.05	22.00	
25		LOW	Q16	20.85	20.88	21.06	22.00	
5		1	LOW	64QAM	20.76	20.70	21.12	22.00
			MID	64QAM	20.74	20.69	21.18	22.00
	HIGH		64QAM	21.11	20.87	21.10	22.00	
	12	LOW	64QAM	19.85	20.06	20.25	21.00	
		MID	64QAM	20.07	19.90	19.91	21.00	
		HIGH	64QAM	19.89	20.00	19.83	21.00	
	25	LOW	64QAM	19.66	20.15	20.08	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.80	22.72	23.05	24.00
MID			QPSK	22.86	22.96	23.21	24.00	
HIGH			QPSK	22.95	22.97	22.99	24.00	
25		LOW	QPSK	21.80	22.03	22.05	23.00	
		MID	QPSK	22.12	22.03	22.15	23.00	
		HIGH	QPSK	21.82	22.07	22.10	23.00	
50		LOW	QPSK	21.97	21.96	21.98	23.00	
10		1	LOW	Q16	21.73	21.63	22.14	23.00
			MID	Q16	22.02	21.89	22.14	23.00
	HIGH		Q16	21.89	21.86	22.16	23.00	
	25	LOW	Q16	20.95	21.06	20.87	22.00	
		MID	Q16	20.88	20.93	21.18	22.00	
		HIGH	Q16	21.04	21.11	21.19	22.00	
	50	LOW	Q16	20.92	20.87	20.95	22.00	
	10	1	LOW	64QAM	20.67	20.63	21.05	22.00
			MID	64QAM	20.78	20.75	21.10	22.00
HIGH			64QAM	21.20	20.80	21.06	22.00	
25		LOW	64QAM	19.64	20.14	20.04	21.00	
		MID	64QAM	19.90	20.05	19.95	21.00	
		HIGH	64QAM	19.72	19.93	20.11	21.00	
50		LOW	64QAM	19.62	20.15	20.19	21.00	

LTE B38-Full Power -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.83	22.91	23.00	24.00	
		MID	QPSK	22.91	23.05	23.06	24.00	
		HIGH	QPSK	23.17	22.99	23.03	24.00	
	36	LOW	QPSK	21.78	21.96	21.95	23.00	
		MID	QPSK	21.89	22.08	22.17	23.00	
		HIGH	QPSK	22.04	21.95	22.24	23.00	
	75	LOW	QPSK	21.78	21.91	22.19	23.00	
	15	1	LOW	Q16	21.88	21.81	22.12	23.00
			MID	Q16	21.78	21.75	22.44	23.00
HIGH			Q16	21.91	22.03	22.18	23.00	
36		LOW	Q16	20.79	20.91	20.94	22.00	
		MID	Q16	21.05	20.91	21.02	22.00	
		HIGH	Q16	20.85	20.95	20.99	22.00	
75		LOW	Q16	20.89	20.99	20.95	22.00	
15		1	LOW	64QAM	20.59	20.70	20.93	22.00
			MID	64QAM	20.66	21.09	21.31	22.00
	HIGH		64QAM	21.04	20.80	21.40	22.00	
	36	LOW	64QAM	19.86	19.96	20.17	21.00	
		MID	64QAM	19.95	20.19	20.33	21.00	
		HIGH	64QAM	20.13	19.69	20.29	21.00	
	75	LOW	64QAM	19.95	19.95	20.33	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.87	22.85	22.95	24.00
MID			QPSK	23.01	23.04	23.15	24.00	
HIGH			QPSK	23.06	23.01	23.11	24.00	
50		LOW	QPSK	21.87	21.98	22.04	23.00	
		MID	QPSK	21.98	22.03	22.11	23.00	
		HIGH	QPSK	21.94	22.00	22.12	23.00	
100		LOW	QPSK	21.91	21.99	22.04	23.00	
20		1	LOW	Q16	21.76	21.74	22.05	23.00
			MID	Q16	21.87	21.90	22.29	23.00
	HIGH		Q16	21.97	21.89	22.24	23.00	
	50	LOW	Q16	20.84	20.96	21.02	22.00	
		MID	Q16	20.92	21.01	21.13	22.00	
		HIGH	Q16	20.89	20.99	21.10	22.00	
	100	LOW	Q16	20.83	21.02	21.05	22.00	
	20	1	LOW	64QAM	20.71	20.61	21.06	22.00
			MID	64QAM	20.73	20.99	21.32	22.00
HIGH			64QAM	21.06	20.93	21.31	22.00	
50		LOW	64QAM	19.86	20.10	20.07	21.00	
		MID	64QAM	19.84	20.04	20.23	21.00	
		HIGH	64QAM	20.03	19.84	20.17	21.00	
100		LOW	64QAM	19.93	20.01	20.19	21.00	

LTE B38-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	21.74	21.72	21.82	22.75	
		MID	QPSK	21.75	21.87	21.80	22.75	
		HIGH	QPSK	21.58	21.70	22.00	22.75	
	12	LOW	QPSK	21.66	21.72	21.65	22.75	
		MID	QPSK	21.58	21.99	21.91	22.75	
		HIGH	QPSK	21.67	21.93	21.64	22.75	
	25	LOW	QPSK	21.78	22.01	21.92	22.75	
	5	1	LOW	Q16	21.58	21.88	21.92	22.75
			MID	Q16	21.58	21.64	21.77	22.75
HIGH			Q16	21.59	21.53	21.68	22.75	
12		LOW	Q16	20.98	21.02	21.08	22.00	
		MID	Q16	20.88	20.81	21.20	22.00	
		HIGH	Q16	20.99	21.05	20.83	22.00	
25		LOW	Q16	21.09	21.10	20.96	22.00	
5		1	LOW	64QAM	20.68	21.00	21.20	22.00
			MID	64QAM	21.12	20.82	21.00	22.00
	HIGH		64QAM	20.83	20.93	20.87	22.00	
	12	LOW	64QAM	19.99	20.17	20.10	21.00	
		MID	64QAM	20.25	19.97	20.28	21.00	
		HIGH	64QAM	19.93	19.97	19.91	21.00	
	25	LOW	64QAM	20.02	19.81	20.10	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	21.53	21.86	21.71	22.75
MID			QPSK	21.78	21.68	21.97	22.75	
HIGH			QPSK	21.70	21.93	22.01	22.75	
25		LOW	QPSK	21.51	21.73	21.79	22.75	
		MID	QPSK	21.54	22.02	21.76	22.75	
		HIGH	QPSK	21.52	21.74	21.82	22.75	
50		LOW	QPSK	21.82	22.03	21.86	22.75	
10		1	LOW	Q16	21.54	21.79	21.66	22.75
			MID	Q16	21.82	21.84	21.93	22.75
	HIGH		Q16	21.68	21.45	21.63	22.75	
	25	LOW	Q16	20.99	21.08	20.98	22.00	
		MID	Q16	21.14	20.78	21.00	22.00	
		HIGH	Q16	20.83	20.95	20.89	22.00	
	50	LOW	Q16	21.17	21.13	20.93	22.00	
	10	1	LOW	64QAM	20.61	20.84	21.00	22.00
			MID	64QAM	21.10	21.00	20.87	22.00
HIGH			64QAM	20.83	20.96	20.73	22.00	
25		LOW	64QAM	20.17	19.93	20.20	21.00	
		MID	64QAM	20.10	19.83	20.23	21.00	
		HIGH	64QAM	20.00	20.07	20.01	21.00	
50		LOW	64QAM	20.10	19.82	20.10	21.00	

LTE B38-State1&3 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	21.63	21.86	21.79	22.75	
		MID	QPSK	21.69	21.76	21.90	22.75	
		HIGH	QPSK	21.57	21.74	21.81	22.75	
	36	LOW	QPSK	21.65	21.75	21.59	22.75	
		MID	QPSK	21.65	22.03	21.85	22.75	
		HIGH	QPSK	21.47	21.70	21.76	22.75	
	75	LOW	QPSK	21.65	21.89	21.93	22.75	
	15	1	LOW	Q16	21.47	21.83	21.68	22.75
			MID	Q16	21.72	21.64	21.93	22.75
HIGH			Q16	21.80	21.69	21.64	22.75	
36		LOW	Q16	21.22	21.07	21.21	22.00	
		MID	Q16	20.99	20.82	21.10	22.00	
		HIGH	Q16	20.91	20.95	20.83	22.00	
75		LOW	Q16	21.09	21.05	21.02	22.00	
15		1	LOW	64QAM	20.68	20.99	21.03	22.00
			MID	64QAM	20.97	21.10	20.89	22.00
	HIGH		64QAM	20.96	20.97	20.76	22.00	
	36	LOW	64QAM	20.20	20.06	19.90	21.00	
		MID	64QAM	20.00	20.13	20.27	21.00	
		HIGH	64QAM	19.79	19.98	20.09	21.00	
	75	LOW	64QAM	20.12	19.95	20.05	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	21.62	21.76	21.68	22.75
MID			QPSK	21.69	21.74	21.85	22.75	
HIGH			QPSK	21.64	21.84	21.89	22.75	
50		LOW	QPSK	21.65	21.75	21.64	22.75	
		MID	QPSK	21.68	21.90	21.86	22.75	
		HIGH	QPSK	21.62	21.84	21.76	22.75	
100		LOW	QPSK	21.76	21.88	21.80	22.75	
20		1	LOW	Q16	21.60	21.76	21.80	22.75
			MID	Q16	21.73	21.78	21.80	22.75
	HIGH		Q16	21.67	21.60	21.64	22.75	
	50	LOW	Q16	21.13	20.94	21.10	22.00	
		MID	Q16	21.01	20.86	21.14	22.00	
		HIGH	Q16	20.92	21.01	20.86	22.00	
	100	LOW	Q16	21.06	20.99	21.03	22.00	
	20	1	LOW	64QAM	20.73	20.89	21.05	22.00
			MID	64QAM	21.03	20.97	20.98	22.00
HIGH			64QAM	20.95	20.94	20.87	22.00	
50		LOW	64QAM	20.12	20.07	20.05	21.00	
		MID	64QAM	20.15	19.98	20.26	21.00	
		HIGH	64QAM	19.94	20.07	19.97	21.00	
100		LOW	64QAM	20.11	19.90	19.98	21.00	

LTE B38-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.83	22.70	22.92	24.00	
		MID	QPSK	23.00	23.03	23.06	24.00	
		HIGH	QPSK	23.03	22.99	22.98	24.00	
	12	LOW	QPSK	21.81	21.88	22.18	23.00	
		MID	QPSK	22.02	21.92	22.24	23.00	
		HIGH	QPSK	21.99	21.93	22.27	23.00	
	25	LOW	QPSK	21.76	22.11	21.89	23.00	
	5	1	LOW	Q16	21.64	21.70	22.08	23.00
			MID	Q16	21.73	21.95	22.42	23.00
HIGH			Q16	21.92	21.84	22.10	23.00	
12		LOW	Q16	20.69	21.08	21.09	22.00	
		MID	Q16	20.85	20.87	21.25	22.00	
		HIGH	Q16	21.03	21.12	21.05	22.00	
25		LOW	Q16	20.85	20.88	21.06	22.00	
5		1	LOW	64QAM	20.76	20.70	21.12	22.00
			MID	64QAM	20.74	20.69	21.18	22.00
	HIGH		64QAM	21.11	20.87	21.10	22.00	
	12	LOW	64QAM	19.85	20.06	20.25	21.00	
		MID	64QAM	20.07	19.90	19.91	21.00	
		HIGH	64QAM	19.89	20.00	19.83	21.00	
	25	LOW	64QAM	19.66	20.15	20.08	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.80	22.72	23.05	24.00
MID			QPSK	22.86	22.96	23.21	24.00	
HIGH			QPSK	22.95	22.97	22.99	24.00	
25		LOW	QPSK	21.80	22.03	22.05	23.00	
		MID	QPSK	22.12	22.03	22.15	23.00	
		HIGH	QPSK	21.82	22.07	22.10	23.00	
50		LOW	QPSK	21.97	21.96	21.98	23.00	
10		1	LOW	Q16	21.73	21.63	22.14	23.00
			MID	Q16	22.02	21.89	22.14	23.00
	HIGH		Q16	21.89	21.86	22.16	23.00	
	25	LOW	Q16	20.95	21.06	20.87	22.00	
		MID	Q16	20.88	20.93	21.18	22.00	
		HIGH	Q16	21.04	21.11	21.19	22.00	
	50	LOW	Q16	20.92	20.87	20.95	22.00	
	10	1	LOW	64QAM	20.67	20.63	21.05	22.00
			MID	64QAM	20.78	20.75	21.10	22.00
HIGH			64QAM	21.20	20.80	21.06	22.00	
25		LOW	64QAM	19.64	20.14	20.04	21.00	
		MID	64QAM	19.90	20.05	19.95	21.00	
		HIGH	64QAM	19.72	19.93	20.11	21.00	
50		LOW	64QAM	19.62	20.15	20.19	21.00	

LTE B38-State2&4 -Ant.0(Only for ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.83	22.91	23.00	24.00	
		MID	QPSK	22.91	23.05	23.06	24.00	
		HIGH	QPSK	23.17	22.99	23.03	24.00	
	36	LOW	QPSK	21.78	21.96	21.95	23.00	
		MID	QPSK	21.89	22.08	22.17	23.00	
		HIGH	QPSK	22.04	21.95	22.24	23.00	
	75	LOW	QPSK	21.78	21.91	22.19	23.00	
	15	1	LOW	Q16	21.88	21.81	22.12	23.00
			MID	Q16	21.78	21.75	22.44	23.00
HIGH			Q16	21.91	22.03	22.18	23.00	
36		LOW	Q16	20.79	20.91	20.94	22.00	
		MID	Q16	21.05	20.91	21.02	22.00	
		HIGH	Q16	20.85	20.95	20.99	22.00	
75		LOW	Q16	20.89	20.99	20.95	22.00	
15		1	LOW	64QAM	20.59	20.70	20.93	22.00
			MID	64QAM	20.66	21.09	21.31	22.00
	HIGH		64QAM	21.04	20.80	21.40	22.00	
	36	LOW	64QAM	19.86	19.96	20.17	21.00	
		MID	64QAM	19.95	20.19	20.33	21.00	
		HIGH	64QAM	20.13	19.69	20.29	21.00	
	75	LOW	64QAM	19.95	19.95	20.33	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.87	22.85	22.95	24.00
MID			QPSK	23.01	23.04	23.15	24.00	
HIGH			QPSK	23.06	23.01	23.11	24.00	
50		LOW	QPSK	21.87	21.98	22.04	23.00	
		MID	QPSK	21.98	22.03	22.11	23.00	
		HIGH	QPSK	21.94	22.00	22.12	23.00	
100		LOW	QPSK	21.91	21.99	22.04	23.00	
20		1	LOW	Q16	21.76	21.74	22.05	23.00
			MID	Q16	21.87	21.90	22.29	23.00
	HIGH		Q16	21.97	21.89	22.24	23.00	
	50	LOW	Q16	20.84	20.96	21.02	22.00	
		MID	Q16	20.92	21.01	21.13	22.00	
		HIGH	Q16	20.89	20.99	21.10	22.00	
	100	LOW	Q16	20.83	21.02	21.05	22.00	
	20	1	LOW	64QAM	20.71	20.61	21.06	22.00
			MID	64QAM	20.73	20.99	21.32	22.00
HIGH			64QAM	21.06	20.93	21.31	22.00	
50		LOW	64QAM	19.86	20.10	20.07	21.00	
		MID	64QAM	19.84	20.04	20.23	21.00	
		HIGH	64QAM	20.03	19.84	20.17	21.00	
100		LOW	64QAM	19.93	20.01	20.19	21.00	

8.3.10 LTE Band38 Output Power

LTE B38-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	22.74	22.73	22.72	24.00	
		MID	QPSK	23.02	22.84	23.07	24.00	
		HIGH	QPSK	23.03	22.95	22.98	24.00	
	12	LOW	QPSK	21.72	22.00	21.97	23.00	
		MID	QPSK	21.90	22.12	21.90	23.00	
		HIGH	QPSK	21.75	21.98	21.89	23.00	
	25	LOW	QPSK	21.67	21.80	21.97	23.00	
		1	LOW	Q16	21.80	21.59	22.06	23.00
			MID	Q16	21.95	21.82	22.15	23.00
HIGH	Q16		21.94	21.71	22.25	23.00		
12	LOW	Q16	20.76	20.74	20.79	22.00		
	MID	Q16	20.89	20.89	20.91	22.00		
	HIGH	Q16	20.87	21.00	20.85	22.00		
25	LOW	Q16	20.83	20.80	21.10	22.00		
	1	LOW	64QAM	20.45	20.73	20.86	22.00	
		MID	64QAM	20.71	20.76	21.45	22.00	
HIGH		64QAM	20.85	20.63	21.14	22.00		
12	LOW	64QAM	19.79	19.86	19.90	21.00		
	MID	64QAM	19.95	20.10	20.19	21.00		
	HIGH	64QAM	20.08	19.92	20.05	21.00		
25	LOW	64QAM	19.81	20.01	19.78	21.00		
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	22.74	22.86	22.96	24.00
MID			QPSK	22.95	22.92	23.14	24.00	
HIGH			QPSK	22.84	23.07	23.14	24.00	
25		LOW	QPSK	21.96	21.95	21.91	23.00	
		MID	QPSK	21.88	21.82	21.87	23.00	
		HIGH	QPSK	21.73	21.94	22.15	23.00	
50		LOW	QPSK	21.85	22.04	21.88	23.00	
		1	LOW	Q16	21.77	21.74	21.82	23.00
			MID	Q16	21.85	21.97	22.15	23.00
HIGH	Q16		21.87	21.65	22.11	23.00		
25	LOW	Q16	20.61	21.02	21.02	22.00		
	MID	Q16	20.94	20.80	20.91	22.00		
	HIGH	Q16	20.92	21.08	20.93	22.00		
50	LOW	Q16	20.64	21.06	20.81	22.00		
	1	LOW	64QAM	20.50	20.81	20.72	22.00	
		MID	64QAM	20.86	20.86	21.18	22.00	
HIGH		64QAM	20.96	20.75	21.11	22.00		
25	LOW	64QAM	19.79	19.83	19.74	21.00		
	MID	64QAM	19.82	20.13	20.02	21.00		
	HIGH	64QAM	19.99	20.12	19.97	21.00		
50	LOW	64QAM	19.81	19.99	19.83	21.00		

LTE B38-Full Power -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.88	22.70	22.75	24.00	
		MID	QPSK	22.96	23.05	23.23	24.00	
		HIGH	QPSK	22.92	22.82	22.90	24.00	
	36	LOW	QPSK	21.97	22.08	22.10	23.00	
		MID	QPSK	21.80	21.88	22.03	23.00	
		HIGH	QPSK	21.81	21.91	21.98	23.00	
	75	LOW	QPSK	21.85	21.86	22.00	23.00	
	15	1	LOW	Q16	21.70	21.71	21.97	23.00
			MID	Q16	21.82	21.88	22.28	23.00
HIGH			Q16	21.83	21.88	22.14	23.00	
36		LOW	Q16	20.69	20.75	20.90	22.00	
		MID	Q16	20.96	20.91	21.08	22.00	
		HIGH	Q16	20.82	20.80	21.02	22.00	
75		LOW	Q16	20.88	21.06	20.84	22.00	
15		1	LOW	64QAM	20.49	20.69	20.92	22.00
			MID	64QAM	20.86	21.01	21.39	22.00
	HIGH		64QAM	20.90	20.81	21.01	22.00	
	36	LOW	64QAM	19.61	19.87	19.78	21.00	
		MID	64QAM	19.72	19.92	20.09	21.00	
		HIGH	64QAM	20.08	19.94	19.90	21.00	
	75	LOW	64QAM	19.74	19.91	19.86	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.77	22.80	22.85	24.00
MID			QPSK	22.87	22.94	23.11	24.00	
HIGH			QPSK	22.97	22.94	23.03	24.00	
50		LOW	QPSK	21.82	21.94	21.95	23.00	
		MID	QPSK	21.92	21.97	21.99	23.00	
		HIGH	QPSK	21.88	21.92	22.03	23.00	
100	LOW	QPSK	21.82	21.95	21.95	23.00		
20	1	LOW	Q16	21.70	21.69	21.95	23.00	
		MID	Q16	21.88	21.85	22.17	23.00	
		HIGH	Q16	21.86	21.80	22.11	23.00	
	50	LOW	Q16	20.76	20.88	20.93	22.00	
		MID	Q16	20.82	20.94	21.02	22.00	
		HIGH	Q16	20.83	20.94	21.00	22.00	
100	LOW	Q16	20.77	20.91	20.96	22.00		
20	1	LOW	64QAM	20.56	20.66	20.83	22.00	
		MID	64QAM	20.80	20.88	21.31	22.00	
		HIGH	64QAM	21.00	20.73	21.12	22.00	
	50	LOW	64QAM	19.74	19.78	19.78	21.00	
		MID	64QAM	19.82	20.00	20.14	21.00	
		HIGH	64QAM	19.95	19.97	20.05	21.00	
100	LOW	64QAM	19.88	19.97	19.87	21.00		

LTE B38-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	21.91	21.96	22.26	23.25	
		MID	QPSK	22.16	22.31	22.35	23.25	
		HIGH	QPSK	22.25	22.35	22.37	23.25	
	12	LOW	QPSK	21.73	22.00	21.81	23.00	
		MID	QPSK	21.93	21.96	22.02	23.00	
		HIGH	QPSK	21.94	21.80	22.06	23.00	
	25	LOW	QPSK	21.87	21.85	22.02	23.00	
	5	1	LOW	Q16	21.80	21.60	22.09	23.00
			MID	Q16	21.85	22.05	22.07	23.00
HIGH			Q16	21.91	21.96	22.10	23.00	
12		LOW	Q16	20.82	20.75	20.90	22.00	
		MID	Q16	20.94	20.93	21.15	22.00	
		HIGH	Q16	20.70	21.00	21.15	22.00	
25		LOW	Q16	20.72	20.85	20.95	22.00	
5		1	LOW	64QAM	20.69	20.60	21.04	22.00
			MID	64QAM	20.92	20.74	21.12	22.00
	HIGH		64QAM	20.91	21.00	21.08	22.00	
	12	LOW	64QAM	19.70	19.75	19.87	21.00	
		MID	64QAM	19.92	19.93	20.28	21.00	
		HIGH	64QAM	19.68	19.70	20.04	21.00	
	25	LOW	64QAM	20.01	19.88	19.97	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	22.20	22.13	22.16	23.25
MID			QPSK	22.07	22.16	22.24	23.25	
HIGH			QPSK	22.12	22.13	22.47	23.25	
25		LOW	QPSK	21.83	21.97	21.86	23.00	
		MID	QPSK	21.99	21.94	22.11	23.00	
50		HIGH	QPSK	21.89	21.95	21.94	23.00	
50		LOW	QPSK	21.95	21.78	22.01	23.00	
10		1	LOW	Q16	21.54	21.73	21.91	23.00
			MID	Q16	22.01	21.92	22.03	23.00
	HIGH		Q16	21.87	21.71	22.17	23.00	
	25	LOW	Q16	20.63	20.90	20.81	22.00	
		MID	Q16	20.96	20.91	21.17	22.00	
		HIGH	Q16	20.73	20.99	21.10	22.00	
	50	LOW	Q16	20.66	21.03	20.88	22.00	
	10	1	LOW	64QAM	20.66	20.51	20.82	22.00
			MID	64QAM	20.73	20.75	21.22	22.00
HIGH			64QAM	21.09	20.96	21.12	22.00	
25		LOW	64QAM	19.59	19.92	19.89	21.00	
		MID	64QAM	20.02	19.91	20.04	21.00	
		HIGH	64QAM	19.92	19.84	19.92	21.00	
50		LOW	64QAM	20.01	19.90	19.97	21.00	

LTE B38-State1&3 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	22.15	22.12	22.20	23.25	
		MID	QPSK	22.10	22.11	22.49	23.25	
		HIGH	QPSK	22.18	22.10	22.25	23.25	
	36	LOW	QPSK	21.70	21.81	21.98	23.00	
		MID	QPSK	21.99	22.04	22.09	23.00	
		HIGH	QPSK	21.91	21.98	22.05	23.00	
	75	LOW	QPSK	21.76	21.77	22.11	23.00	
	15	1	LOW	Q16	21.69	21.84	22.09	23.00
			MID	Q16	22.01	21.94	22.27	23.00
HIGH			Q16	21.89	21.97	22.13	23.00	
36		LOW	Q16	20.81	20.76	21.07	22.00	
		MID	Q16	20.85	20.91	21.15	22.00	
		HIGH	Q16	20.88	21.05	21.00	22.00	
75		LOW	Q16	20.94	20.95	20.86	22.00	
15		1	LOW	64QAM	20.68	20.60	21.07	22.00
			MID	64QAM	20.93	21.04	21.14	22.00
	HIGH		64QAM	21.01	20.96	20.96	22.00	
	36	LOW	64QAM	19.73	19.81	19.93	21.00	
		MID	64QAM	19.90	19.78	20.21	21.00	
		HIGH	64QAM	19.67	19.78	20.08	21.00	
	75	LOW	64QAM	19.81	19.78	19.96	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	22.05	22.05	22.11	23.25
MID			QPSK	22.18	22.21	22.35	23.25	
HIGH			QPSK	22.20	22.22	22.33	23.25	
50		LOW	QPSK	21.83	21.95	21.96	23.00	
		MID	QPSK	21.91	21.96	22.04	23.00	
		HIGH	QPSK	21.86	21.94	22.01	23.00	
100		LOW	QPSK	21.84	21.92	21.99	23.00	
20		1	LOW	Q16	21.69	21.69	21.96	23.00
			MID	Q16	21.89	21.91	22.17	23.00
	HIGH		Q16	21.86	21.82	22.15	23.00	
	50	LOW	Q16	20.75	20.89	20.95	22.00	
		MID	Q16	20.82	20.93	21.05	22.00	
		HIGH	Q16	20.83	20.94	21.00	22.00	
	100	LOW	Q16	20.79	20.93	20.95	22.00	
	20	1	LOW	64QAM	20.63	20.65	20.94	22.00
			MID	64QAM	20.78	20.89	21.09	22.00
HIGH			64QAM	21.01	20.91	21.11	22.00	
50		LOW	64QAM	19.68	19.82	19.87	21.00	
		MID	64QAM	19.94	19.87	20.19	21.00	
		HIGH	64QAM	19.82	19.80	20.03	21.00	
100		LOW	64QAM	19.88	19.93	19.83	21.00	

LTE B38-State2&4-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	18.67	18.78	18.88	20.00	
		MID	QPSK	19.05	18.93	19.08	20.00	
		HIGH	QPSK	18.94	18.98	19.19	20.00	
	12	LOW	QPSK	19.03	18.84	19.12	20.00	
		MID	QPSK	18.88	18.92	19.04	20.00	
		HIGH	QPSK	18.92	19.01	19.02	20.00	
	25	LOW	QPSK	18.81	18.84	19.12	20.00	
	5	1	LOW	Q16	18.73	18.85	18.84	20.00
			MID	Q16	18.89	18.78	19.16	20.00
HIGH			Q16	18.79	18.84	19.34	20.00	
12		LOW	Q16	18.84	18.78	18.89	20.00	
		MID	Q16	18.89	19.08	19.15	20.00	
		HIGH	Q16	18.82	18.89	19.16	20.00	
25		LOW	Q16	18.91	19.13	19.04	20.00	
5		1	LOW	64QAM	18.64	18.54	19.01	20.00
			MID	64QAM	18.68	18.70	19.27	20.00
	HIGH		64QAM	18.72	18.70	19.12	20.00	
	12	LOW	64QAM	18.53	19.05	18.93	20.00	
		MID	64QAM	18.80	18.96	19.22	20.00	
		HIGH	64QAM	18.92	19.04	19.03	20.00	
	25	LOW	64QAM	18.94	19.04	19.01	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	18.96	18.76	18.98	20.00
MID			QPSK	18.89	19.11	19.20	20.00	
HIGH			QPSK	19.00	19.05	18.99	20.00	
25		LOW	QPSK	18.80	19.06	19.03	20.00	
		MID	QPSK	18.85	19.09	18.98	20.00	
50		HIGH	QPSK	18.79	18.84	19.20	20.00	
50		LOW	QPSK	18.90	18.76	18.97	20.00	
10		1	LOW	Q16	18.78	18.85	19.09	20.00
			MID	Q16	18.97	18.97	19.05	20.00
	HIGH		Q16	18.82	18.87	19.19	20.00	
	25	LOW	Q16	18.92	18.91	18.79	20.00	
		MID	Q16	18.78	18.92	19.14	20.00	
		HIGH	Q16	18.80	18.83	19.13	20.00	
	50	LOW	Q16	18.81	18.99	19.00	20.00	
	10	1	LOW	64QAM	18.73	18.54	19.22	20.00
			MID	64QAM	18.67	18.79	19.40	20.00
HIGH			64QAM	18.73	18.84	19.03	20.00	
25		LOW	64QAM	18.55	19.22	19.04	20.00	
		MID	64QAM	18.62	18.89	19.11	20.00	
		HIGH	64QAM	18.97	19.09	19.19	20.00	
50		LOW	64QAM	18.91	18.90	18.89	20.00	

LTE B38-State2&4 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	18.79	18.78	18.88	20.00	
		MID	QPSK	19.02	18.96	19.08	20.00	
		HIGH	QPSK	18.88	18.86	19.04	20.00	
	36	LOW	QPSK	18.78	18.77	19.00	20.00	
		MID	QPSK	18.73	18.95	19.06	20.00	
		HIGH	QPSK	19.00	19.06	18.97	20.00	
	75	LOW	QPSK	18.81	19.04	19.14	20.00	
	15	1	LOW	Q16	18.63	18.65	18.92	20.00
			MID	Q16	18.82	18.94	19.30	20.00
HIGH			Q16	19.01	18.85	19.19	20.00	
36		LOW	Q16	18.64	18.97	19.07	20.00	
		MID	Q16	19.08	18.91	19.13	20.00	
		HIGH	Q16	18.98	18.79	19.20	20.00	
75		LOW	Q16	18.74	18.92	18.95	20.00	
15		1	LOW	64QAM	18.64	18.60	19.19	20.00
			MID	64QAM	18.84	18.79	19.45	20.00
	HIGH		64QAM	18.76	18.88	19.02	20.00	
	36	LOW	64QAM	18.84	18.94	18.92	20.00	
		MID	64QAM	18.96	19.23	19.05	20.00	
		HIGH	64QAM	18.83	18.86	19.10	20.00	
	75	LOW	64QAM	18.81	18.81	19.06	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	18.84	18.75	18.88	20.00
MID			QPSK	18.84	19.05	19.19	20.00	
HIGH			QPSK	18.95	18.99	19.11	20.00	
50		LOW	QPSK	18.89	18.96	18.92	20.00	
		MID	QPSK	18.91	19.00	19.01	20.00	
100		HIGH	QPSK	18.89	19.02	19.12	20.00	
20	1	LOW	Q16	18.69	18.76	19.00	20.00	
		MID	Q16	18.93	18.86	19.28	20.00	
		HIGH	Q16	18.95	18.83	19.21	20.00	
	50	LOW	Q16	18.76	18.95	19.00	20.00	
		MID	Q16	18.85	19.05	19.16	20.00	
		HIGH	Q16	18.84	18.99	19.07	20.00	
	100	LOW	Q16	18.78	19.01	19.09	20.00	
	20	1	LOW	64QAM	18.70	18.52	18.98	20.00
			MID	64QAM	18.79	18.81	19.29	20.00
HIGH			64QAM	18.79	18.77	19.11	20.00	
50		LOW	64QAM	18.77	19.13	18.91	20.00	
		MID	64QAM	18.87	19.13	19.18	20.00	
		HIGH	64QAM	18.78	18.90	18.95	20.00	
100		LOW	64QAM	18.77	18.95	18.94	20.00	

8.3.10 LTE Band38 Output Power

LTE B38-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	21.01	21.33	21.19	23.00	
		MID	QPSK	21.29	21.00	21.26	23.00	
		HIGH	QPSK	21.12	21.02	21.03	23.00	
	12	LOW	QPSK	20.16	20.32	20.25	22.00	
		MID	QPSK	20.20	20.23	20.17	22.00	
		HIGH	QPSK	20.15	20.22	20.28	22.00	
	25	LOW	QPSK	20.13	20.36	20.15	22.00	
	5	1	LOW	Q16	20.05	20.15	20.25	22.00
			MID	Q16	20.09	20.03	20.14	22.00
HIGH			Q16	20.15	20.18	20.16	22.00	
12		LOW	Q16	19.07	19.11	19.06	21.00	
		MID	Q16	19.07	19.22	19.31	21.00	
		HIGH	Q16	19.13	19.21	19.00	21.00	
25		LOW	Q16	19.21	19.32	19.24	21.00	
5		1	LOW	64QAM	19.16	19.24	19.12	21.00
			MID	64QAM	19.11	19.20	19.12	21.00
	HIGH		64QAM	19.26	19.10	19.28	21.00	
	12	LOW	64QAM	18.18	18.28	18.23	20.00	
		MID	64QAM	18.25	18.29	18.44	20.00	
		HIGH	64QAM	18.24	18.04	18.16	20.00	
	25	LOW	64QAM	18.32	18.12	18.08	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	21.19	21.34	21.22	23.00
MID			QPSK	21.02	21.13	21.14	23.00	
HIGH			QPSK	21.17	21.13	21.14	23.00	
25		LOW	QPSK	20.24	20.18	20.24	22.00	
		MID	QPSK	20.18	20.17	20.23	22.00	
		HIGH	QPSK	20.18	20.12	20.08	22.00	
50	LOW	QPSK	20.06	20.36	20.17	22.00		
10	1	LOW	Q16	20.18	20.07	20.06	22.00	
		MID	Q16	20.19	20.27	20.13	22.00	
		HIGH	Q16	20.13	20.09	20.17	22.00	
	25	LOW	Q16	19.07	19.33	19.09	21.00	
		MID	Q16	19.07	19.16	19.15	21.00	
		HIGH	Q16	19.13	19.14	19.08	21.00	
	50	LOW	Q16	19.21	19.26	19.06	21.00	
	10	1	LOW	64QAM	19.09	19.30	19.22	21.00
			MID	64QAM	19.18	19.28	19.20	21.00
HIGH			64QAM	19.07	19.30	19.28	21.00	
25		LOW	64QAM	18.18	18.23	18.18	20.00	
		MID	64QAM	18.28	18.34	18.45	20.00	
		HIGH	64QAM	18.15	18.01	18.35	20.00	
50		LOW	64QAM	18.04	18.18	18.18	20.00	

LTE B38-Full Power -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	21.19	21.16	21.06	23.00	
		MID	QPSK	21.17	21.13	21.33	23.00	
		HIGH	QPSK	21.06	21.24	21.12	23.00	
	36	LOW	QPSK	20.13	20.19	20.09	22.00	
		MID	QPSK	20.23	20.40	20.10	22.00	
		HIGH	QPSK	20.07	20.15	20.16	22.00	
	75	LOW	QPSK	20.01	20.11	20.17	22.00	
	15	1	LOW	Q16	20.08	20.13	20.23	22.00
			MID	Q16	20.02	20.12	20.07	22.00
HIGH			Q16	20.35	20.11	20.38	22.00	
36		LOW	Q16	19.04	19.28	19.28	21.00	
		MID	Q16	19.07	19.10	19.21	21.00	
		HIGH	Q16	19.17	19.06	19.05	21.00	
75		LOW	Q16	19.23	19.27	19.25	21.00	
15		1	LOW	64QAM	19.08	19.18	19.27	21.00
			MID	64QAM	19.30	19.14	19.13	21.00
	HIGH		64QAM	19.13	19.10	19.33	21.00	
	36	LOW	64QAM	18.09	18.32	18.12	20.00	
		MID	64QAM	18.20	18.43	18.39	20.00	
		HIGH	64QAM	18.26	18.09	18.33	20.00	
	75	LOW	64QAM	18.18	18.13	18.15	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	21.12	21.24	21.12	23.00
MID			QPSK	21.15	21.00	21.22	23.00	
HIGH			QPSK	21.03	21.14	21.13	23.00	
50		LOW	QPSK	20.09	20.26	20.15	22.00	
		HIGH	QPSK	20.01	20.19	20.15	22.00	
100		LOW	QPSK	20.01	20.23	20.12	22.00	
20	1	LOW	Q16	20.02	20.07	20.17	22.00	
		MID	Q16	20.03	20.12	20.01	22.00	
		HIGH	Q16	20.22	20.02	20.23	22.00	
	50	LOW	Q16	19.00	19.25	19.15	21.00	
		HIGH	Q16	19.01	19.24	19.21	21.00	
	100	LOW	Q16	19.24	19.16	19.15	21.00	
20	1	LOW	64QAM	19.01	19.22	19.15	21.00	
		MID	64QAM	19.18	19.14	19.25	21.00	
		HIGH	64QAM	19.14	19.22	19.34	21.00	
	50	LOW	64QAM	18.04	18.19	18.11	20.00	
		MID	64QAM	18.25	18.37	18.30	20.00	
		HIGH	64QAM	18.29	18.04	18.26	20.00	
	100	LOW	64QAM	18.17	18.08	18.04	20.00	

LTE B38-State1&3 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	18.51	18.57	18.52	20.50	
		MID	QPSK	18.56	18.74	18.78	20.50	
		HIGH	QPSK	18.51	18.78	18.58	20.50	
	12	LOW	QPSK	18.66	18.58	18.71	20.50	
		MID	QPSK	18.75	18.93	18.78	20.50	
		HIGH	QPSK	18.62	18.80	18.74	20.50	
	25	LOW	QPSK	18.66	18.89	18.78	20.50	
	5	1	LOW	Q16	18.67	18.61	18.65	20.50
			MID	Q16	18.64	18.61	18.51	20.50
HIGH			Q16	18.67	18.52	18.72	20.50	
12		LOW	Q16	18.58	18.69	18.79	20.50	
		MID	Q16	18.67	18.63	18.57	20.50	
		HIGH	Q16	18.58	18.56	18.50	20.50	
25		LOW	Q16	18.64	18.84	18.74	20.50	
5		1	LOW	64QAM	18.73	18.92	19.00	20.50
			MID	64QAM	18.72	18.81	18.59	20.50
	HIGH		64QAM	18.70	18.72	18.56	20.50	
	12	LOW	64QAM	18.35	18.34	18.21	20.00	
		MID	64QAM	18.39	18.24	18.12	20.00	
		HIGH	64QAM	18.26	18.30	18.06	20.00	
	25	LOW	64QAM	18.13	18.20	18.10	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	18.61	18.82	18.59	20.50
MID			QPSK	18.71	18.71	18.60	20.50	
HIGH			QPSK	18.54	18.67	18.61	20.50	
25		LOW	QPSK	18.72	18.60	18.72	20.50	
		MID	QPSK	18.77	18.68	18.88	20.50	
50		HIGH	QPSK	18.67	18.65	18.53	20.50	
50		LOW	QPSK	18.55	18.87	18.69	20.50	
10		1	LOW	Q16	18.51	18.50	18.69	20.50
			MID	Q16	18.68	18.80	18.55	20.50
	HIGH		Q16	18.75	18.65	18.68	20.50	
	25	LOW	Q16	18.66	18.86	18.75	20.50	
		MID	Q16	18.54	18.85	18.68	20.50	
		HIGH	Q16	18.63	18.55	18.69	20.50	
	50	LOW	Q16	18.55	18.65	18.57	20.50	
	10	1	LOW	64QAM	18.79	19.06	18.99	20.50
			MID	64QAM	18.78	18.89	18.67	20.50
HIGH			64QAM	18.70	18.67	18.53	20.50	
25		LOW	64QAM	18.36	18.32	18.14	20.00	
		MID	64QAM	18.28	18.30	18.33	20.00	
		HIGH	64QAM	18.24	18.13	18.29	20.00	
50		LOW	64QAM	18.04	18.18	18.15	20.00	

LTE B38-State1&3 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	18.53	18.74	18.64	20.50	
		MID	QPSK	18.56	18.82	18.77	20.50	
		HIGH	QPSK	18.54	18.67	18.71	20.50	
	36	LOW	QPSK	18.54	18.57	18.57	20.50	
		MID	QPSK	18.53	18.76	18.64	20.50	
		HIGH	QPSK	18.65	18.67	18.69	20.50	
	75	LOW	QPSK	18.67	18.82	18.71	20.50	
	15	1	LOW	Q16	18.57	18.53	18.67	20.50
			MID	Q16	18.65	18.55	18.50	20.50
HIGH			Q16	18.75	18.63	18.58	20.50	
36		LOW	Q16	18.56	18.86	18.68	20.50	
		MID	Q16	18.62	18.72	18.78	20.50	
		HIGH	Q16	18.53	18.73	18.53	20.50	
75		LOW	Q16	18.67	18.77	18.71	20.50	
15		1	LOW	64QAM	18.87	18.92	19.04	20.50
			MID	64QAM	18.52	18.97	18.57	20.50
	HIGH		64QAM	18.58	18.55	18.71	20.50	
	36	LOW	64QAM	18.11	18.21	18.29	20.00	
		MID	64QAM	18.29	18.16	18.03	20.00	
		HIGH	64QAM	18.20	18.21	18.24	20.00	
	75	LOW	64QAM	18.19	18.28	18.25	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	18.66	18.72	18.61	20.50
MID			QPSK	18.65	18.76	18.68	20.50	
HIGH			QPSK	18.55	18.63	18.62	20.50	
50		LOW	QPSK	18.61	18.52	18.65	20.50	
		MID	QPSK	18.62	18.79	18.73	20.50	
100		HIGH	QPSK	18.55	18.71	18.63	20.50	
20	1	LOW	Q16	18.54	18.65	18.71	20.50	
		MID	Q16	18.55	18.69	18.53	20.50	
		HIGH	Q16	18.76	18.56	18.70	20.50	
	50	LOW	Q16	18.53	18.76	18.65	20.50	
		MID	Q16	18.58	18.75	18.71	20.50	
		HIGH	Q16	18.52	18.69	18.65	20.50	
	100	LOW	Q16	18.51	18.73	18.63	20.50	
	20	1	LOW	64QAM	18.79	18.95	19.09	20.50
			MID	64QAM	18.66	18.83	18.50	20.50
HIGH			64QAM	18.64	18.66	18.57	20.50	
50		LOW	64QAM	18.26	18.19	18.15	20.00	
		MID	64QAM	18.26	18.25	18.18	20.00	
		HIGH	64QAM	18.18	18.24	18.20	20.00	
100		LOW	64QAM	18.01	18.23	18.11	20.00	

LTE B38-State2 &4-Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dB m)	
5	1	LOW	QPSK	21.22	21.30	21.15	23.00	
		MID	QPSK	21.26	21.14	21.14	23.00	
		HIGH	QPSK	21.06	21.13	21.24	23.00	
	12	LOW	QPSK	20.02	20.25	20.19	22.00	
		MID	QPSK	20.14	20.39	20.32	22.00	
		HIGH	QPSK	20.08	20.29	20.02	22.00	
	25	LOW	QPSK	20.06	20.34	20.26	22.00	
	5	1	LOW	Q16	20.00	20.18	20.20	22.00
			MID	Q16	20.02	20.11	20.07	22.00
HIGH			Q16	20.11	20.09	20.29	22.00	
12		LOW	Q16	19.02	19.20	19.08	21.00	
		MID	Q16	19.00	19.29	19.11	21.00	
		HIGH	Q16	19.18	19.03	19.28	21.00	
25		LOW	Q16	19.28	19.25	19.10	21.00	
5		1	LOW	64QAM	19.19	19.03	19.20	21.00
			MID	64QAM	19.02	19.15	19.16	21.00
	HIGH		64QAM	19.10	19.16	19.26	21.00	
	12	LOW	64QAM	18.36	18.22	18.31	20.00	
		MID	64QAM	18.10	18.49	18.41	20.00	
		HIGH	64QAM	18.39	18.13	18.00	20.00	
	25	LOW	64QAM	18.05	18.47	18.01	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dB m)
	10	1	LOW	QPSK	21.19	21.36	21.11	23.00
MID			QPSK	21.21	21.07	21.28	23.00	
HIGH			QPSK	21.08	21.02	21.03	23.00	
25		LOW	QPSK	20.02	20.12	20.05	22.00	
		MID	QPSK	20.14	20.15	20.07	22.00	
50		HIGH	QPSK	20.15	20.28	20.18	22.00	
10	1	LOW	Q16	20.01	20.12	20.22	22.00	
		MID	Q16	20.16	20.17	20.16	22.00	
		HIGH	Q16	20.15	20.17	20.27	22.00	
	25	LOW	Q16	19.16	19.22	19.00	21.00	
		MID	Q16	19.13	19.13	19.13	21.00	
		HIGH	Q16	19.13	19.10	19.27	21.00	
	50	LOW	Q16	19.27	19.19	19.21	21.00	
	10	1	LOW	64QAM	19.26	19.17	19.01	21.00
			MID	64QAM	19.03	19.02	19.15	21.00
HIGH			64QAM	19.28	19.19	19.45	21.00	
25		LOW	64QAM	18.12	18.24	18.13	20.00	
		MID	64QAM	18.18	18.40	18.16	20.00	
		HIGH	64QAM	18.19	18.28	18.10	20.00	
50		LOW	64QAM	18.26	18.32	18.12	20.00	

LTE B38-State2&4 -Ant.2								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dB m)	
15	1	LOW	QPSK	21.01	21.33	21.12	23.00	
		MID	QPSK	21.29	21.09	21.16	23.00	
		HIGH	QPSK	21.03	21.26	21.05	23.00	
	36	LOW	QPSK	20.00	20.39	20.02	22.00	
		MID	QPSK	20.16	20.32	20.17	22.00	
		HIGH	QPSK	20.07	20.04	20.14	22.00	
	75	LOW	QPSK	20.03	20.08	20.11	22.00	
	15	1	LOW	Q16	20.12	20.01	20.26	22.00
			MID	Q16	20.01	20.22	20.16	22.00
HIGH			Q16	20.34	20.10	20.22	22.00	
36		LOW	Q16	19.00	19.40	19.07	21.00	
		MID	Q16	19.19	19.17	19.36	21.00	
		HIGH	Q16	19.37	19.30	19.26	21.00	
75		LOW	Q16	19.40	19.18	19.20	21.00	
15		1	LOW	64QAM	19.09	19.06	19.24	21.00
			MID	64QAM	19.06	19.01	19.17	21.00
	HIGH		64QAM	19.11	19.27	19.45	21.00	
	36	LOW	64QAM	18.18	18.14	18.16	20.00	
		MID	64QAM	18.09	18.46	18.22	20.00	
		HIGH	64QAM	18.35	18.21	18.08	20.00	
	75	LOW	64QAM	18.24	18.26	18.12	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dB m)
	20	1	LOW	QPSK	21.12	21.24	21.12	23.00
MID			QPSK	21.15	21.00	21.22	23.00	
HIGH			QPSK	21.03	21.14	21.13	23.00	
50		LOW	QPSK	20.09	20.26	20.15	22.00	
		MID	QPSK	20.09	20.26	20.18	22.00	
100		HIGH	QPSK	20.01	20.19	20.15	22.00	
20	1	LOW	Q16	20.02	20.07	20.17	22.00	
		MID	Q16	20.03	20.12	20.01	22.00	
		HIGH	Q16	20.22	20.02	20.23	22.00	
	50	LOW	Q16	19.00	19.25	19.15	21.00	
		MID	Q16	19.01	19.24	19.21	21.00	
		HIGH	Q16	19.24	19.16	19.15	21.00	
	100	LOW	Q16	19.27	19.21	19.14	21.00	
	20	1	LOW	64QAM	19.13	19.09	19.13	21.00
			MID	64QAM	19.14	19.10	19.16	21.00
HIGH			64QAM	19.13	19.12	19.38	21.00	
50		LOW	64QAM	18.23	18.18	18.27	20.00	
		MID	64QAM	18.03	18.36	18.26	20.00	
		HIGH	64QAM	18.24	18.15	18.11	20.00	
100		LOW	64QAM	18.19	18.32	18.02	20.00	

8.3.11 LTE Band41 Output Power

LTE B41-Full Power -Ant.0										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.31	23.20	23.30	23.37	23.32	24.50	
		MID	QPSK	23.23	23.34	23.66	23.49	23.50	24.50	
		HIGH	QPSK	23.14	23.04	23.40	23.66	23.51	24.50	
	12	LOW	QPSK	21.70	21.74	22.03	21.84	22.19	23.50	
		MID	QPSK	21.89	21.59	22.07	21.74	22.18	23.50	
		HIGH	QPSK	21.73	21.62	21.97	21.73	21.92	23.50	
	25	LOW	QPSK	21.70	21.62	21.98	21.89	22.09	23.50	
	5	1	LOW	Q16	21.78	21.81	21.77	21.99	21.76	23.50
			MID	Q16	21.59	21.84	21.85	22.10	21.86	23.50
HIGH			Q16	21.81	21.85	21.88	21.89	21.87	23.50	
12		LOW	Q16	20.52	20.54	20.90	20.86	21.11	22.50	
		MID	Q16	20.54	20.79	20.85	21.04	20.91	22.50	
		HIGH	Q16	20.59	20.92	20.91	20.98	20.85	22.50	
25		LOW	Q16	20.51	20.86	20.77	20.92	21.05	22.50	
5		1	LOW	64QAM	20.76	20.55	20.66	20.81	20.75	22.50
			MID	64QAM	20.70	20.69	20.66	21.03	20.78	22.50
	HIGH		64QAM	20.75	20.53	20.80	20.78	20.78	22.50	
	12	LOW	64QAM	19.74	19.81	19.56	19.81	19.78	21.50	
		MID	64QAM	19.53	20.08	19.85	19.82	20.07	21.50	
		HIGH	64QAM	19.80	19.90	19.85	20.15	19.80	21.50	
	25	LOW	64QAM	19.83	19.79	19.90	19.92	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.25	23.26	23.35	23.17	23.44	24.50
MID			QPSK	23.23	23.45	23.59	23.39	23.63	24.50	
HIGH			QPSK	23.27	23.30	23.44	23.51	23.52	24.50	
25		LOW	QPSK	21.74	21.64	21.87	21.90	22.13	23.50	
		MID	QPSK	21.70	21.50	21.84	21.65	22.00	23.50	
		HIGH	QPSK	21.73	21.87	21.97	21.73	22.08	23.50	
50	LOW	QPSK	21.88	21.65	21.80	21.87	22.09	23.50		
10	1	LOW	Q16	21.69	21.54	21.85	21.93	21.88	23.50	
		MID	Q16	21.62	21.65	21.99	22.00	21.86	23.50	
		HIGH	Q16	21.67	21.50	22.01	21.86	21.89	23.50	
	25	LOW	Q16	20.60	20.57	20.95	20.72	21.03	22.50	
		MID	Q16	20.72	20.77	20.75	21.12	21.18	22.50	
		HIGH	Q16	20.86	20.76	20.79	21.15	21.11	22.50	
	50	LOW	Q16	20.60	20.89	20.80	20.99	20.95	22.50	
	10	1	LOW	64QAM	20.94	20.59	20.78	20.77	20.64	22.50
			MID	64QAM	20.84	20.57	20.76	21.11	20.82	22.50
HIGH			64QAM	20.59	20.80	20.61	20.86	20.73	22.50	
25		LOW	64QAM	19.77	19.87	19.50	19.74	19.97	21.50	
		MID	64QAM	19.75	19.90	19.75	20.07	20.12	21.50	
		HIGH	64QAM	19.76	20.01	19.84	20.21	19.74	21.50	
50		LOW	64QAM	19.78	19.79	20.06	19.83	20.28	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.31	23.41	23.26	23.21	23.54	24.50	
		MID	QPSK	23.34	23.23	23.69	23.60	23.39	24.50	
		HIGH	QPSK	23.14	23.29	23.49	23.52	23.54	24.50	
	36	LOW	QPSK	21.54	21.58	22.04	21.90	22.20	23.50	
		MID	QPSK	21.53	21.78	22.05	21.63	22.09	23.50	
		HIGH	QPSK	21.51	21.77	21.89	21.93	21.98	23.50	
	75	LOW	QPSK	21.70	21.67	21.93	22.10	21.91	23.50	
	15	1	LOW	Q16	21.86	21.71	21.93	22.03	21.93	23.50
			MID	Q16	21.59	21.83	22.07	22.02	22.02	23.50
HIGH			Q16	21.78	21.63	21.92	21.92	21.93	23.50	
36		LOW	Q16	20.74	20.66	20.82	20.65	21.17	22.50	
		MID	Q16	20.55	20.77	20.79	20.92	21.01	22.50	
		HIGH	Q16	20.87	21.01	20.90	20.99	21.11	22.50	
75		LOW	Q16	20.76	20.80	21.03	20.85	20.94	22.50	
15		1	LOW	64QAM	20.82	20.57	20.74	20.77	20.77	22.50
			MID	64QAM	20.70	20.64	20.65	20.96	20.85	22.50
	HIGH		64QAM	20.84	20.77	20.80	20.84	20.64	22.50	
	36	LOW	64QAM	19.79	19.56	19.59	19.69	20.06	21.50	
		MID	64QAM	19.65	19.99	19.71	19.92	20.19	21.50	
		HIGH	64QAM	19.92	19.86	19.76	20.10	19.75	21.50	
	75	LOW	64QAM	19.78	19.88	19.99	19.85	20.06	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.22	23.30	23.41	23.26	23.47	24.50
MID			QPSK	23.21	23.31	23.56	23.45	23.54	24.50	
HIGH			QPSK	23.13	23.19	23.53	23.59	23.44	24.50	
50		LOW	QPSK	21.62	21.60	21.91	21.98	22.09	23.50	
		MID	QPSK	21.62	21.64	21.93	21.78	22.08	23.50	
		HIGH	QPSK	21.61	21.72	21.93	21.81	22.02	23.50	
100		LOW	QPSK	21.62	21.60	21.91	21.98	22.04	23.50	
20		1	LOW	Q16	21.77	21.66	21.86	21.90	21.91	23.50
			MID	Q16	21.73	21.78	21.98	22.09	21.93	23.50
	HIGH		Q16	21.68	21.58	21.87	21.85	21.82	23.50	
	50	LOW	Q16	20.64	20.64	20.87	20.78	21.07	22.50	
		MID	Q16	20.66	20.81	20.87	21.01	21.03	22.50	
		HIGH	Q16	20.61	20.87	20.93	21.02	20.98	22.50	
	100	LOW	Q16	20.62	20.75	20.89	20.99	21.03	22.50	
	20	1	LOW	64QAM	20.81	20.56	20.69	20.91	20.79	22.50
			MID	64QAM	20.83	20.62	20.78	21.09	20.82	22.50
HIGH			64QAM	20.70	20.52	20.68	20.89	20.67	22.50	
50		LOW	64QAM	19.67	19.50	19.61	19.80	19.93	21.50	
		MID	64QAM	19.66	19.99	19.82	19.94	20.12	21.50	
		HIGH	64QAM	19.77	19.87	19.87	20.06	19.83	21.50	
100		LOW	64QAM	19.71	19.73	20.00	19.93	20.15	21.50	

LTE B41-State1&3 -Ant.0										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.53	22.39	22.59	22.71	22.57	23.50	
		MID	QPSK	22.53	22.50	22.56	22.69	22.54	23.50	
		HIGH	QPSK	22.50	22.53	22.48	22.61	22.53	23.50	
	12	LOW	QPSK	21.83	21.75	22.11	22.00	22.26	23.50	
		MID	QPSK	21.90	22.15	22.15	22.18	22.27	23.50	
		HIGH	QPSK	21.94	21.75	22.08	22.17	22.14	23.50	
	25	LOW	QPSK	21.78	21.84	22.02	22.25	22.09	23.50	
	5	1	LOW	Q16	21.77	21.94	21.95	21.96	22.17	23.50
			MID	Q16	21.96	21.92	22.03	21.90	22.23	23.50
HIGH			Q16	21.77	22.05	21.98	21.93	22.19	23.50	
12		LOW	Q16	20.69	20.75	20.99	20.94	21.08	22.50	
		MID	Q16	20.83	20.84	21.18	20.96	21.01	22.50	
		HIGH	Q16	20.67	20.73	21.08	21.00	21.08	22.50	
25		LOW	Q16	20.86	20.66	20.97	21.11	21.19	22.50	
5		1	LOW	64QAM	21.02	20.84	21.10	20.76	21.34	22.50
			MID	64QAM	20.82	20.95	20.89	20.90	21.23	22.50
	HIGH		64QAM	20.70	21.08	20.83	20.91	21.01	22.50	
	12	LOW	64QAM	19.91	20.01	19.90	19.91	20.28	21.50	
		MID	64QAM	19.75	19.71	19.96	20.05	19.99	21.50	
		HIGH	64QAM	19.55	19.95	20.30	19.95	20.26	21.50	
	25	LOW	64QAM	19.95	19.84	19.85	20.28	19.93	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.42	22.46	22.57	22.56	22.45	23.50
MID			QPSK	22.47	22.55	22.54	22.52	22.53	23.50	
HIGH			QPSK	22.29	22.57	22.58	22.59	22.63	23.50	
25		LOW	QPSK	21.83	21.79	22.04	22.14	22.10	23.50	
		MID	QPSK	21.75	21.86	22.10	22.06	22.20	23.50	
		HIGH	QPSK	21.90	21.89	21.95	22.10	22.23	23.50	
50	LOW	QPSK	21.95	22.02	22.03	21.99	22.20	23.50		
10	1	LOW	Q16	21.78	22.02	21.82	21.85	22.09	23.50	
		MID	Q16	21.93	21.89	21.99	21.99	22.27	23.50	
		HIGH	Q16	21.90	21.97	21.94	21.98	22.14	23.50	
	25	LOW	Q16	20.82	20.84	20.89	20.85	21.19	22.50	
		MID	Q16	20.76	20.83	21.13	20.98	21.17	22.50	
		HIGH	Q16	20.56	20.82	21.02	21.05	20.89	22.50	
50	LOW	Q16	20.89	20.60	21.12	21.13	21.15	22.50		
10	1	LOW	64QAM	21.01	20.99	20.98	20.95	21.26	22.50	
		MID	64QAM	20.81	21.00	20.90	20.98	21.33	22.50	
		HIGH	64QAM	20.75	21.01	20.84	21.00	21.08	22.50	
	25	LOW	64QAM	19.64	19.97	20.10	19.91	20.10	21.50	
		MID	64QAM	19.55	19.73	20.03	20.05	20.05	21.50	
		HIGH	64QAM	19.77	19.89	20.33	19.89	20.11	21.50	
	50	LOW	64QAM	19.79	19.91	19.92	20.24	19.90	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	22.48	22.29	22.36	22.47	22.58	23.50	
		MID	QPSK	22.49	22.55	22.67	22.63	22.76	23.50	
		HIGH	QPSK	22.45	22.40	22.64	22.72	22.60	23.50	
	36	LOW	QPSK	22.06	21.82	22.20	22.24	22.04	23.50	
		MID	QPSK	22.05	21.97	22.23	22.14	22.01	23.50	
		HIGH	QPSK	21.78	21.97	22.17	22.24	21.96	23.50	
	75	LOW	QPSK	21.75	21.98	22.13	22.20	21.99	23.50	
	15	1	LOW	Q16	21.86	22.02	21.89	21.95	22.29	23.50
			MID	Q16	22.05	21.94	22.01	22.11	22.21	23.50
HIGH			Q16	21.65	21.84	21.82	21.91	22.09	23.50	
36		LOW	Q16	20.69	20.65	21.10	20.77	21.18	22.50	
		MID	Q16	20.74	20.79	20.90	20.93	21.00	22.50	
		HIGH	Q16	20.77	20.71	21.22	20.93	20.94	22.50	
75		LOW	Q16	20.69	20.70	21.01	20.95	21.19	22.50	
15		1	LOW	64QAM	21.02	20.88	21.07	20.98	21.12	22.50
			MID	64QAM	20.63	20.90	21.08	20.93	21.31	22.50
	HIGH		64QAM	20.71	20.92	20.80	21.11	21.03	22.50	
	36	LOW	64QAM	19.74	20.01	19.90	19.94	20.16	21.50	
		MID	64QAM	19.62	19.69	19.89	20.00	19.94	21.50	
		HIGH	64QAM	19.76	19.88	20.38	19.97	20.29	21.50	
	75	LOW	64QAM	19.69	19.70	19.87	20.17	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	22.50	22.44	22.50	22.56	22.60	23.50
MID			QPSK	22.48	22.56	22.64	22.58	22.62	23.50	
HIGH			QPSK	22.41	22.49	22.57	22.59	22.57	23.50	
50		LOW	QPSK	21.91	21.77	22.07	22.15	22.15	23.50	
		MID	QPSK	21.90	22.00	22.12	22.18	22.12	23.50	
		HIGH	QPSK	21.82	21.86	22.10	22.25	22.08	23.50	
100		LOW	QPSK	21.85	21.94	22.08	22.11	22.11	23.50	
20		1	LOW	Q16	21.88	21.94	21.88	21.83	22.16	23.50
			MID	Q16	21.90	21.88	22.01	21.97	22.21	23.50
	HIGH		Q16	21.79	21.94	21.93	22.04	22.13	23.50	
	50	LOW	Q16	20.80	20.80	21.03	20.92	21.12	22.50	
		MID	Q16	20.75	20.84	21.05	21.00	21.10	22.50	
		HIGH	Q16	20.71	20.83	21.07	20.94	21.00	22.50	
	100	LOW	Q16	20.77	20.64	21.04	21.08	21.05	22.50	
	20	1	LOW	64QAM	21.00	20.93	20.98	20.84	21.20	22.50
			MID	64QAM	20.76	20.91	20.95	20.95	21.24	22.50
HIGH			64QAM	20.68	21.02	20.89	20.98	21.14	22.50	
50		LOW	64QAM	19.76	19.90	20.01	20.05	20.14	21.50	
		MID	64QAM	19.69	19.83	19.91	20.13	19.95	21.50	
		HIGH	64QAM	19.66	19.96	20.34	19.84	20.15	21.50	
100		LOW	64QAM	19.84	19.85	19.99	20.14	19.91	21.50	

LTE B41-State2&4 -Ant.0										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.17	23.22	23.41	23.39	23.37	24.50	
		MID	QPSK	23.22	23.50	23.54	23.38	23.53	24.50	
		HIGH	QPSK	23.09	23.15	23.54	23.44	23.30	24.50	
	12	LOW	QPSK	21.87	21.68	21.88	21.78	22.00	23.50	
		MID	QPSK	21.88	21.65	21.95	22.04	22.14	23.50	
		HIGH	QPSK	21.50	21.62	21.99	22.13	22.14	23.50	
	25	LOW	QPSK	21.53	21.56	22.00	22.02	22.02	23.50	
	5	1	LOW	Q16	21.86	21.64	21.75	21.87	21.84	23.50
			MID	Q16	21.78	21.87	22.08	21.81	21.81	23.50
HIGH			Q16	21.67	21.71	21.81	21.85	21.88	23.50	
12		LOW	Q16	20.69	20.54	20.90	20.65	21.21	22.50	
		MID	Q16	20.69	20.52	21.00	21.14	21.09	22.50	
		HIGH	Q16	20.74	20.75	20.78	20.89	20.92	22.50	
25		LOW	Q16	20.68	20.51	20.79	21.05	21.06	22.50	
5		1	LOW	64QAM	20.88	20.86	20.71	20.76	20.87	22.50
			MID	64QAM	20.54	20.56	21.06	20.69	20.73	22.50
	HIGH		64QAM	20.62	20.59	20.65	20.69	20.67	22.50	
	12	LOW	64QAM	19.83	19.70	19.92	19.78	20.04	21.50	
		MID	64QAM	19.60	19.73	19.82	19.85	19.95	21.50	
		HIGH	64QAM	19.86	19.88	19.77	19.87	19.91	21.50	
	25	LOW	64QAM	19.88	19.85	19.98	19.81	20.19	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.10	23.18	23.30	23.33	23.43	24.50
MID			QPSK	23.20	23.26	23.52	23.32	23.40	24.50	
HIGH			QPSK	23.06	23.12	23.58	23.42	23.54	24.50	
25		LOW	QPSK	21.61	21.65	21.95	21.75	22.06	23.50	
		MID	QPSK	21.64	21.66	22.05	21.92	21.94	23.50	
		HIGH	QPSK	21.56	21.73	21.97	22.13	22.17	23.50	
50	LOW	QPSK	21.89	21.84	21.90	21.97	21.95	23.50		
10	1	LOW	Q16	21.79	21.74	22.00	22.00	21.96	23.50	
		MID	Q16	21.71	21.70	21.85	22.01	21.86	23.50	
		HIGH	Q16	21.57	21.71	22.01	21.95	21.87	23.50	
	25	LOW	Q16	20.78	20.50	20.74	20.70	21.09	22.50	
		MID	Q16	20.58	20.80	20.84	21.09	21.10	22.50	
		HIGH	Q16	20.67	20.70	21.04	20.75	21.11	22.50	
	50	LOW	Q16	20.62	20.71	20.83	20.91	21.04	22.50	
	10	1	LOW	64QAM	20.69	20.74	20.69	20.71	21.00	22.50
			MID	64QAM	20.72	20.64	21.01	20.91	20.78	22.50
HIGH			64QAM	20.76	20.81	20.66	20.89	20.94	22.50	
25		LOW	64QAM	19.65	19.68	20.06	19.75	20.16	21.50	
		MID	64QAM	19.77	19.69	19.91	19.83	19.95	21.50	
		HIGH	64QAM	19.85	19.53	19.67	19.78	19.93	21.50	
50		LOW	64QAM	19.91	19.69	19.95	19.81	20.10	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	23.10	23.02	23.40	23.60	23.44	24.50	
		MID	QPSK	23.31	23.50	23.59	23.62	23.53	24.50	
		HIGH	QPSK	23.02	23.00	23.65	23.49	23.30	24.50	
	36	LOW	QPSK	21.68	21.77	22.01	21.66	22.14	23.50	
		MID	QPSK	21.72	21.88	21.86	21.93	22.21	23.50	
		HIGH	QPSK	21.73	21.68	21.94	21.84	22.10	23.50	
	75	LOW	QPSK	21.59	21.85	21.85	21.91	22.16	23.50	
	15	1	LOW	Q16	21.75	21.74	21.82	21.78	21.93	23.50
			MID	Q16	21.72	21.90	21.87	21.91	22.08	23.50
HIGH			Q16	21.62	21.63	21.73	21.67	21.85	23.50	
36		LOW	Q16	20.61	20.55	20.85	20.86	21.05	22.50	
		MID	Q16	20.65	20.79	20.98	20.95	21.04	22.50	
		HIGH	Q16	20.55	20.57	20.84	20.78	21.10	22.50	
75		LOW	Q16	20.67	20.57	20.83	20.82	21.03	22.50	
15		1	LOW	64QAM	20.73	20.86	20.60	20.90	21.01	22.50
			MID	64QAM	20.73	20.64	20.94	20.72	20.90	22.50
	HIGH		64QAM	20.72	20.86	20.69	20.78	20.67	22.50	
	36	LOW	64QAM	19.59	19.53	19.94	19.89	20.15	21.50	
		MID	64QAM	19.70	19.55	19.99	19.90	20.08	21.50	
		HIGH	64QAM	19.86	19.66	19.67	19.73	20.07	21.50	
	75	LOW	64QAM	19.89	19.73	19.90	19.83	20.12	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	23.22	23.10	23.41	23.48	23.47	24.50
MID			QPSK	23.21	23.36	23.56	23.47	23.54	24.50	
HIGH			QPSK	23.13	23.00	23.53	23.41	23.44	24.50	
50		LOW	QPSK	21.62	21.76	21.91	21.80	22.09	23.50	
		MID	QPSK	21.62	21.55	21.93	21.94	22.08	23.50	
		HIGH	QPSK	21.61	21.63	21.93	21.99	22.02	23.50	
100		LOW	QPSK	21.62	21.51	21.91	21.87	22.04	23.50	
20		1	LOW	Q16	21.77	21.77	21.86	21.89	21.91	23.50
			MID	Q16	21.73	21.81	21.98	21.89	21.93	23.50
	HIGH		Q16	21.68	21.65	21.87	21.80	21.82	23.50	
	50	LOW	Q16	20.64	20.62	20.87	20.75	21.07	22.50	
		MID	Q16	20.66	20.66	20.87	21.00	21.03	22.50	
		HIGH	Q16	20.61	20.67	20.93	20.86	20.98	22.50	
	100	LOW	Q16	20.62	20.63	20.89	20.96	21.03	22.50	
	20	1	LOW	64QAM	20.77	20.72	20.69	20.79	20.88	22.50
			MID	64QAM	20.65	20.59	20.93	20.81	20.79	22.50
HIGH			64QAM	20.72	20.72	20.79	20.77	20.82	22.50	
50		LOW	64QAM	19.54	19.57	19.95	19.76	20.04	21.50	
		MID	64QAM	19.68	19.63	19.87	19.97	20.10	21.50	
		HIGH	64QAM	19.54	19.51	19.76	19.84	19.94	21.50	
100		LOW	64QAM	19.76	19.74	19.84	19.87	20.10	21.50	

8.3.11 LTE Band41 Output Power

LTE B41-Full Power -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.31	23.20	23.30	23.37	23.32	24.50	
		MID	QPSK	23.23	23.34	23.66	23.49	23.50	24.50	
		HIGH	QPSK	23.14	23.04	23.40	23.66	23.51	24.50	
	12	LOW	QPSK	21.70	21.74	22.03	21.84	22.19	23.50	
		MID	QPSK	21.89	21.59	22.07	21.74	22.18	23.50	
		HIGH	QPSK	21.73	21.62	21.97	21.73	21.92	23.50	
	25	LOW	QPSK	21.70	21.62	21.98	21.89	22.09	23.50	
	5	1	LOW	Q16	21.78	21.81	21.77	21.99	21.76	23.50
			MID	Q16	21.59	21.84	21.85	22.10	21.86	23.50
HIGH			Q16	21.81	21.85	21.88	21.89	21.87	23.50	
12		LOW	Q16	20.52	20.54	20.90	20.86	21.11	22.50	
		MID	Q16	20.54	20.79	20.85	21.04	20.91	22.50	
		HIGH	Q16	20.59	20.92	20.91	20.98	20.85	22.50	
25		LOW	Q16	20.51	20.86	20.77	20.92	21.05	22.50	
5		1	LOW	64QAM	20.76	20.55	20.66	20.81	20.75	22.50
			MID	64QAM	20.70	20.69	20.66	21.03	20.78	22.50
	HIGH		64QAM	20.75	20.53	20.80	20.78	20.78	22.50	
	12	LOW	64QAM	19.74	19.81	19.56	19.81	19.78	21.50	
		MID	64QAM	19.53	20.08	19.85	19.82	20.07	21.50	
		HIGH	64QAM	19.80	19.90	19.85	20.15	19.80	21.50	
	25	LOW	64QAM	19.83	19.79	19.90	19.92	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.25	23.26	23.35	23.17	23.44	24.50
MID			QPSK	23.23	23.45	23.59	23.39	23.63	24.50	
HIGH			QPSK	23.27	23.30	23.44	23.51	23.52	24.50	
25		LOW	QPSK	21.74	21.64	21.87	21.90	22.13	23.50	
		MID	QPSK	21.70	21.50	21.84	21.65	22.00	23.50	
		HIGH	QPSK	21.73	21.87	21.97	21.73	22.08	23.50	
50		LOW	QPSK	21.88	21.65	21.80	21.87	22.09	23.50	
10		1	LOW	Q16	21.69	21.54	21.85	21.93	21.88	23.50
			MID	Q16	21.62	21.65	21.99	22.00	21.86	23.50
	HIGH		Q16	21.67	21.50	22.01	21.86	21.89	23.50	
	25	LOW	Q16	20.60	20.57	20.95	20.72	21.03	22.50	
		MID	Q16	20.72	20.77	20.75	21.12	21.18	22.50	
		HIGH	Q16	20.86	20.76	20.79	21.15	21.11	22.50	
	50	LOW	Q16	20.60	20.89	20.80	20.99	20.95	22.50	
	10	1	LOW	64QAM	20.94	20.59	20.78	20.77	20.64	22.50
			MID	64QAM	20.84	20.57	20.76	21.11	20.82	22.50
HIGH			64QAM	20.59	20.80	20.61	20.86	20.73	22.50	
25		LOW	64QAM	19.77	19.87	19.50	19.74	19.97	21.50	
		MID	64QAM	19.75	19.90	19.75	20.07	20.12	21.50	
		HIGH	64QAM	19.76	20.01	19.84	20.21	19.74	21.50	
50		LOW	64QAM	19.78	19.79	20.06	19.83	20.28	21.50	

LTE B41-Full Power -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.31	23.41	23.26	23.21	23.54	24.50	
		MID	QPSK	23.34	23.23	23.69	23.60	23.39	24.50	
		HIGH	QPSK	23.14	23.29	23.49	23.52	23.54	24.50	
	36	LOW	QPSK	21.54	21.58	22.04	21.90	22.20	23.50	
		MID	QPSK	21.53	21.78	22.05	21.63	22.09	23.50	
		HIGH	QPSK	21.51	21.77	21.89	21.93	21.98	23.50	
	75	LOW	QPSK	21.70	21.67	21.93	22.10	21.91	23.50	
	15	1	LOW	Q16	21.86	21.71	21.93	22.03	21.93	23.50
			MID	Q16	21.59	21.83	22.07	22.02	22.02	23.50
HIGH			Q16	21.78	21.63	21.92	21.92	21.93	23.50	
36		LOW	Q16	20.74	20.66	20.82	20.65	21.17	22.50	
		MID	Q16	20.55	20.77	20.79	20.92	21.01	22.50	
		HIGH	Q16	20.87	21.01	20.90	20.99	21.11	22.50	
75		LOW	Q16	20.76	20.80	21.03	20.85	20.94	22.50	
15		1	LOW	64QAM	20.82	20.57	20.74	20.77	20.77	22.50
			MID	64QAM	20.70	20.64	20.65	20.96	20.85	22.50
	HIGH		64QAM	20.84	20.77	20.80	20.84	20.64	22.50	
	36	LOW	64QAM	19.79	19.56	19.59	19.69	20.06	21.50	
		MID	64QAM	19.65	19.99	19.71	19.92	20.19	21.50	
		HIGH	64QAM	19.92	19.86	19.76	20.10	19.75	21.50	
	75	LOW	64QAM	19.78	19.88	19.99	19.85	20.06	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.22	23.30	23.41	23.26	23.47	24.50
MID			QPSK	23.21	23.31	23.56	23.45	23.54	24.50	
HIGH			QPSK	23.13	23.19	23.53	23.59	23.44	24.50	
50		LOW	QPSK	21.62	21.60	21.91	21.98	22.09	23.50	
		MID	QPSK	21.62	21.64	21.93	21.78	22.08	23.50	
		HIGH	QPSK	21.61	21.72	21.93	21.81	22.02	23.50	
100		LOW	QPSK	21.62	21.60	21.91	21.98	22.04	23.50	
20		1	LOW	Q16	21.77	21.66	21.86	21.90	21.91	23.50
			MID	Q16	21.73	21.78	21.98	22.09	21.93	23.50
	HIGH		Q16	21.68	21.58	21.87	21.85	21.82	23.50	
	50	LOW	Q16	20.64	20.64	20.87	20.78	21.07	22.50	
		MID	Q16	20.66	20.81	20.87	21.01	21.03	22.50	
		HIGH	Q16	20.61	20.87	20.93	21.02	20.98	22.50	
	100	LOW	Q16	20.62	20.75	20.89	20.99	21.03	22.50	
	20	1	LOW	64QAM	20.81	20.56	20.69	20.91	20.79	22.50
			MID	64QAM	20.83	20.62	20.78	21.09	20.82	22.50
HIGH			64QAM	20.70	20.52	20.68	20.89	20.67	22.50	
50		LOW	64QAM	19.67	19.50	19.61	19.80	19.93	21.50	
		MID	64QAM	19.66	19.99	19.82	19.94	20.12	21.50	
		HIGH	64QAM	19.77	19.87	19.87	20.06	19.83	21.50	
100		LOW	64QAM	19.71	19.73	20.00	19.93	20.15	21.50	

LTE B41-State1&3 -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.26	21.93	22.09	22.06	21.89	23.00	
		MID	QPSK	22.09	21.99	21.80	22.11	22.10	23.00	
		HIGH	QPSK	22.18	21.91	22.03	22.11	22.07	23.00	
	12	LOW	QPSK	21.93	21.90	21.91	22.01	22.08	23.00	
		MID	QPSK	22.23	22.01	22.06	21.85	21.78	23.00	
		HIGH	QPSK	21.87	22.11	21.77	21.86	21.89	23.00	
	25	LOW	QPSK	22.12	22.02	21.90	21.97	21.90	23.00	
	5	1	LOW	Q16	22.02	22.25	22.14	22.29	21.87	23.00
			MID	Q16	21.94	21.79	22.07	22.03	21.94	23.00
HIGH			Q16	21.81	22.01	22.11	22.01	21.97	23.00	
12		LOW	Q16	21.49	21.44	21.59	21.66	21.48	22.50	
		MID	Q16	21.59	21.60	21.56	21.34	21.28	22.50	
		HIGH	Q16	21.50	21.51	21.38	21.38	21.73	22.50	
25		LOW	Q16	21.59	21.33	21.41	21.35	21.63	22.50	
5		1	LOW	64QAM	21.47	21.90	21.88	21.47	21.54	22.50
			MID	64QAM	21.58	21.41	21.48	21.78	21.38	22.50
	HIGH		64QAM	21.51	21.60	21.81	21.25	21.86	22.50	
	12	LOW	64QAM	20.41	20.64	20.56	20.61	20.47	21.50	
		MID	64QAM	20.58	20.31	20.60	20.19	20.41	21.50	
		HIGH	64QAM	20.55	20.47	20.35	20.31	20.63	21.50	
	25	LOW	64QAM	20.89	20.55	20.38	20.24	20.55	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.07	21.95	22.12	21.87	21.94	23.00
MID			QPSK	21.96	22.17	21.98	22.08	22.07	23.00	
HIGH			QPSK	22.27	22.03	22.18	22.06	22.04	23.00	
25		LOW	QPSK	22.08	21.86	22.06	22.15	22.03	23.00	
		MID	QPSK	22.24	21.83	22.13	21.99	22.07	23.00	
		HIGH	QPSK	21.94	21.86	21.77	21.92	21.94	23.00	
50	LOW	QPSK	22.18	21.99	22.15	21.97	22.04	23.00		
10	1	LOW	Q16	22.19	22.02	22.14	22.11	22.16	23.00	
		MID	Q16	22.01	21.91	21.83	22.11	22.07	23.00	
		HIGH	Q16	22.06	22.18	22.13	22.01	22.14	23.00	
	25	LOW	Q16	21.54	21.64	21.58	21.66	21.32	22.50	
		MID	Q16	21.64	21.68	21.58	21.29	21.48	22.50	
		HIGH	Q16	21.64	21.47	21.31	21.56	21.53	22.50	
50	LOW	Q16	21.64	21.36	21.61	21.53	21.55	22.50		
10	1	LOW	64QAM	21.48	21.74	21.66	21.47	21.69	22.50	
		MID	64QAM	21.67	21.36	21.62	21.68	21.47	22.50	
		HIGH	64QAM	21.42	21.52	21.55	21.34	21.65	22.50	
	25	LOW	64QAM	20.68	20.59	20.65	20.66	20.42	21.50	
		MID	64QAM	20.39	20.30	20.66	20.11	20.39	21.50	
		HIGH	64QAM	20.62	20.53	20.41	20.59	20.53	21.50	
	50	LOW	64QAM	20.73	20.35	20.42	20.30	20.41	21.50	

LTE B41-State1&3 -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	22.08	21.95	22.09	22.16	21.99	23.00	
		MID	QPSK	22.07	22.02	21.91	22.24	22.15	23.00	
		HIGH	QPSK	22.08	21.91	22.15	22.04	22.04	23.00	
	36	LOW	QPSK	21.96	22.03	22.15	22.24	22.01	23.00	
		MID	QPSK	22.00	21.87	22.09	21.96	21.85	23.00	
		HIGH	QPSK	21.88	22.13	21.93	21.84	21.95	23.00	
	75	LOW	QPSK	22.14	22.15	22.11	21.89	22.09	23.00	
	15	1	LOW	Q16	22.04	22.03	22.25	22.18	22.10	23.00
			MID	Q16	21.96	21.83	21.90	21.84	22.02	23.00
HIGH			Q16	22.01	22.16	22.13	21.96	21.98	23.00	
36		LOW	Q16	21.54	21.66	21.41	21.49	21.31	22.50	
		MID	Q16	21.53	21.71	21.74	21.34	21.32	22.50	
		HIGH	Q16	21.77	21.37	21.25	21.60	21.54	22.50	
75		LOW	Q16	21.70	21.57	21.66	21.40	21.64	22.50	
15		1	LOW	64QAM	21.31	21.66	21.64	21.66	21.56	22.50
			MID	64QAM	21.58	21.36	21.33	21.78	21.55	22.50
	HIGH		64QAM	21.44	21.76	21.69	21.55	21.65	22.50	
	36	LOW	64QAM	20.70	20.76	20.50	20.68	20.53	21.50	
		MID	64QAM	20.64	20.38	20.72	20.39	20.29	21.50	
		HIGH	64QAM	20.67	20.59	20.21	20.59	20.66	21.50	
	75	LOW	64QAM	20.92	20.59	20.56	20.31	20.61	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.13	21.95	21.97	22.02	22.02	23.00
MID			QPSK	22.07	22.04	21.95	22.12	22.13	23.00	
HIGH			QPSK	22.13	21.96	22.14	22.15	22.10	23.00	
50		LOW	QPSK	22.02	21.89	22.05	22.12	21.94	23.00	
		MID	QPSK	22.14	21.90	22.07	21.94	21.93	23.00	
		HIGH	QPSK	21.97	22.01	21.88	21.91	22.04	23.00	
100	LOW	QPSK	22.04	22.08	22.05	21.93	22.00	23.00		
20	1	LOW	Q16	22.07	22.12	22.12	22.15	22.01	23.00	
		MID	Q16	22.05	21.86	21.95	21.99	21.92	23.00	
		HIGH	Q16	21.96	22.03	22.03	21.95	22.12	23.00	
	50	LOW	Q16	21.60	21.58	21.46	21.51	21.45	22.50	
		MID	Q16	21.50	21.58	21.61	21.36	21.35	22.50	
		HIGH	Q16	21.64	21.39	21.39	21.46	21.59	22.50	
100	LOW	Q16	21.63	21.47	21.51	21.46	21.55	22.50		
20	1	LOW	64QAM	21.45	21.80	21.75	21.52	21.65	22.50	
		MID	64QAM	21.69	21.31	21.47	21.64	21.42	22.50	
		HIGH	64QAM	21.57	21.61	21.67	21.40	21.72	22.50	
	50	LOW	64QAM	20.56	20.73	20.56	20.62	20.49	21.50	
		MID	64QAM	20.49	20.43	20.72	20.26	20.32	21.50	
		HIGH	64QAM	20.68	20.46	20.33	20.45	20.58	21.50	
100	LOW	64QAM	20.77	20.48	20.46	20.36	20.55	21.50		

LTE B41-State2&4 -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.31	23.20	23.30	23.37	23.32	24.50	
		MID	QPSK	23.23	23.34	23.66	23.49	23.50	24.50	
		HIGH	QPSK	23.14	23.04	23.40	23.66	23.51	24.50	
	12	LOW	QPSK	21.70	21.74	22.03	21.84	22.19	23.50	
		MID	QPSK	21.89	21.59	22.07	21.74	22.18	23.50	
		HIGH	QPSK	21.73	21.62	21.97	21.73	21.92	23.50	
	25	LOW	QPSK	21.70	21.62	21.98	21.89	22.09	23.50	
	5	1	LOW	Q16	21.78	21.81	21.77	21.99	21.76	23.50
			MID	Q16	21.59	21.84	21.85	22.10	21.86	23.50
HIGH			Q16	21.81	21.85	21.88	21.89	21.87	23.50	
12		LOW	Q16	20.52	20.54	20.90	20.86	21.11	22.50	
		MID	Q16	20.54	20.79	20.85	21.04	20.91	22.50	
		HIGH	Q16	20.59	20.92	20.91	20.98	20.85	22.50	
25		LOW	Q16	20.51	20.86	20.77	20.92	21.05	22.50	
5		1	LOW	64QAM	20.76	20.55	20.66	20.81	20.75	22.50
			MID	64QAM	20.70	20.69	20.66	21.03	20.78	22.50
	HIGH		64QAM	20.75	20.53	20.80	20.78	20.78	22.50	
	12	LOW	64QAM	19.74	19.81	19.56	19.81	19.78	21.50	
		MID	64QAM	19.53	20.08	19.85	19.82	20.07	21.50	
		HIGH	64QAM	19.80	19.90	19.85	20.15	19.80	21.50	
	25	LOW	64QAM	19.83	19.79	19.90	19.92	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.25	23.26	23.35	23.17	23.44	24.50
MID			QPSK	23.23	23.45	23.59	23.39	23.63	24.50	
HIGH			QPSK	23.27	23.30	23.44	23.51	23.52	24.50	
25		LOW	QPSK	21.74	21.64	21.87	21.90	22.13	23.50	
		MID	QPSK	21.70	21.50	21.84	21.65	22.00	23.50	
		HIGH	QPSK	21.73	21.87	21.97	21.73	22.08	23.50	
50	LOW	QPSK	21.88	21.65	21.80	21.87	22.09	23.50		
10	1	LOW	Q16	21.69	21.54	21.85	21.93	21.88	23.50	
		MID	Q16	21.62	21.65	21.99	22.00	21.86	23.50	
		HIGH	Q16	21.67	21.50	22.01	21.86	21.89	23.50	
	25	LOW	Q16	20.60	20.57	20.95	20.72	21.03	22.50	
		MID	Q16	20.72	20.77	20.75	21.12	21.18	22.50	
		HIGH	Q16	20.86	20.76	20.79	21.15	21.11	22.50	
50	LOW	Q16	20.60	20.89	20.80	20.99	20.95	22.50		
10	1	LOW	64QAM	20.94	20.59	20.78	20.77	20.64	22.50	
		MID	64QAM	20.84	20.57	20.76	21.11	20.82	22.50	
		HIGH	64QAM	20.59	20.80	20.61	20.86	20.73	22.50	
	25	LOW	64QAM	19.77	19.87	19.50	19.74	19.97	21.50	
		MID	64QAM	19.75	19.90	19.75	20.07	20.12	21.50	
		HIGH	64QAM	19.76	20.01	19.84	20.21	19.74	21.50	
	50	LOW	64QAM	19.78	19.79	20.06	19.83	20.28	21.50	

LTE B41-State2&4 -Ant.0(Only for ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.31	23.41	23.26	23.21	23.54	24.50	
		MID	QPSK	23.34	23.23	23.69	23.60	23.39	24.50	
		HIGH	QPSK	23.14	23.29	23.49	23.52	23.54	24.50	
	36	LOW	QPSK	21.54	21.58	22.04	21.90	22.20	23.50	
		MID	QPSK	21.53	21.78	22.05	21.63	22.09	23.50	
		HIGH	QPSK	21.51	21.77	21.89	21.93	21.98	23.50	
	75	LOW	QPSK	21.70	21.67	21.93	22.10	21.91	23.50	
	15	1	LOW	Q16	21.86	21.71	21.93	22.03	21.93	23.50
			MID	Q16	21.59	21.83	22.07	22.02	22.02	23.50
HIGH			Q16	21.78	21.63	21.92	21.92	21.93	23.50	
36		LOW	Q16	20.74	20.66	20.82	20.65	21.17	22.50	
		MID	Q16	20.55	20.77	20.79	20.92	21.01	22.50	
		HIGH	Q16	20.87	21.01	20.90	20.99	21.11	22.50	
75		LOW	Q16	20.76	20.80	21.03	20.85	20.94	22.50	
15		1	LOW	64QAM	20.82	20.57	20.74	20.77	20.77	22.50
			MID	64QAM	20.70	20.64	20.65	20.96	20.85	22.50
	HIGH		64QAM	20.84	20.77	20.80	20.84	20.64	22.50	
	36	LOW	64QAM	19.79	19.56	19.59	19.69	20.06	21.50	
		MID	64QAM	19.65	19.99	19.71	19.92	20.19	21.50	
		HIGH	64QAM	19.92	19.86	19.76	20.10	19.75	21.50	
	75	LOW	64QAM	19.78	19.88	19.99	19.85	20.06	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.22	23.30	23.41	23.26	23.47	24.50
MID			QPSK	23.21	23.31	23.56	23.45	23.54	24.50	
HIGH			QPSK	23.13	23.19	23.53	23.59	23.44	24.50	
50		LOW	QPSK	21.62	21.60	21.91	21.98	22.09	23.50	
		MID	QPSK	21.62	21.64	21.93	21.78	22.08	23.50	
		HIGH	QPSK	21.61	21.72	21.93	21.81	22.02	23.50	
100		LOW	QPSK	21.62	21.60	21.91	21.98	22.04	23.50	
20		1	LOW	Q16	21.77	21.66	21.86	21.90	21.91	23.50
			MID	Q16	21.73	21.78	21.98	22.09	21.93	23.50
	HIGH		Q16	21.68	21.58	21.87	21.85	21.82	23.50	
	50	LOW	Q16	20.64	20.64	20.87	20.78	21.07	22.50	
		MID	Q16	20.66	20.81	20.87	21.01	21.03	22.50	
		HIGH	Q16	20.61	20.87	20.93	21.02	20.98	22.50	
	100	LOW	Q16	20.62	20.75	20.89	20.99	21.03	22.50	
	20	1	LOW	64QAM	20.81	20.56	20.69	20.91	20.79	22.50
			MID	64QAM	20.83	20.62	20.78	21.09	20.82	22.50
HIGH			64QAM	20.70	20.52	20.68	20.89	20.67	22.50	
50		LOW	64QAM	19.67	19.50	19.61	19.80	19.93	21.50	
		MID	64QAM	19.66	19.99	19.82	19.94	20.12	21.50	
		HIGH	64QAM	19.77	19.87	19.87	20.06	19.83	21.50	
100		LOW	64QAM	19.71	19.73	20.00	19.93	20.15	21.50	

8.3.11 LTE Band41 Output Power

LTE B41-Full Power -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.12	23.22	23.15	23.45	23.58	24.50	
		MID	QPSK	23.24	23.12	23.34	23.32	23.54	24.50	
		HIGH	QPSK	23.14	23.20	23.35	23.19	23.57	24.50	
	12	LOW	QPSK	21.61	21.76	21.91	21.92	21.99	23.50	
		MID	QPSK	21.59	21.94	21.74	21.77	21.99	23.50	
		HIGH	QPSK	21.77	21.89	21.80	21.82	22.00	23.50	
	25	LOW	QPSK	21.68	21.82	21.88	21.78	22.00	23.50	
	5	1	LOW	Q16	21.80	21.96	21.64	21.84	21.74	23.50
			MID	Q16	21.93	21.68	21.95	21.67	21.86	23.50
HIGH			Q16	21.81	21.90	21.96	21.80	21.66	23.50	
12		LOW	Q16	20.61	20.60	20.77	20.62	21.04	22.50	
		MID	Q16	20.57	20.88	20.64	20.83	20.92	22.50	
		HIGH	Q16	20.78	20.81	20.78	20.77	20.83	22.50	
25		LOW	Q16	20.78	20.59	20.92	20.65	21.12	22.50	
5		1	LOW	64QAM	20.76	20.67	20.63	20.71	20.76	22.50
			MID	64QAM	20.65	20.57	20.88	20.96	20.74	22.50
	HIGH		64QAM	20.77	20.79	20.85	20.82	20.86	22.50	
	12	LOW	64QAM	19.62	19.68	19.70	19.83	19.89	21.50	
		MID	64QAM	19.89	19.76	19.74	19.68	19.80	21.50	
		HIGH	64QAM	19.56	19.93	19.67	19.78	20.19	21.50	
	25	LOW	64QAM	19.65	19.51	19.64	19.69	20.09	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.37	23.21	23.30	23.35	24.50
MID			QPSK	23.30	23.23	23.53	23.34	23.36	24.50	
HIGH			QPSK	23.04	23.24	23.27	23.35	23.44	24.50	
25		LOW	QPSK	21.82	21.79	21.75	21.86	22.09	23.50	
		MID	QPSK	21.77	21.81	21.70	21.77	22.19	23.50	
		HIGH	QPSK	21.78	21.50	21.67	21.84	21.86	23.50	
50	LOW	QPSK	21.74	21.71	21.96	21.78	22.06	23.50		
10	1	LOW	Q16	21.77	21.87	21.55	21.72	21.77	23.50	
		MID	Q16	21.92	21.65	21.83	21.79	21.99	23.50	
		HIGH	Q16	21.85	21.83	21.75	22.00	21.86	23.50	
	25	LOW	Q16	20.81	20.51	20.83	20.50	20.99	22.50	
		MID	Q16	20.81	20.61	20.75	20.87	21.08	22.50	
		HIGH	Q16	20.74	20.84	20.96	20.84	20.95	22.50	
	50	LOW	Q16	20.79	20.52	20.86	20.72	21.11	22.50	
	10	1	LOW	64QAM	20.79	20.64	20.56	20.91	20.81	22.50
			MID	64QAM	20.79	20.67	20.73	20.89	20.89	22.50
HIGH			64QAM	20.69	20.90	20.88	20.84	20.92	22.50	
25		LOW	64QAM	19.62	19.53	19.85	19.69	19.97	21.50	
		MID	64QAM	19.88	19.72	19.87	19.73	19.87	21.50	
		HIGH	64QAM	19.61	19.85	19.81	20.00	20.20	21.50	
50		LOW	64QAM	19.69	19.60	19.53	19.88	20.04	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.13	23.31	23.18	23.24	23.39	24.50	
		MID	QPSK	23.08	23.30	23.50	23.22	23.35	24.50	
		HIGH	QPSK	23.13	23.09	23.37	23.23	23.58	24.50	
	36	LOW	QPSK	21.79	21.87	21.77	21.77	22.17	23.50	
		MID	QPSK	21.77	21.77	21.91	21.80	22.00	23.50	
		HIGH	QPSK	21.60	21.88	21.83	21.89	22.05	23.50	
	75	LOW	QPSK	21.57	21.63	21.92	21.59	22.03	23.50	
	15	1	LOW	Q16	21.70	21.84	21.74	21.89	21.74	23.50
			MID	Q16	21.77	21.58	21.89	21.87	21.99	23.50
HIGH			Q16	21.87	21.72	21.96	21.82	21.86	23.50	
36		LOW	Q16	20.56	20.80	20.61	20.50	20.87	22.50	
		MID	Q16	20.74	20.61	20.81	20.71	20.90	22.50	
		HIGH	Q16	20.59	20.61	20.81	20.63	20.93	22.50	
75		LOW	Q16	20.76	20.54	20.87	20.52	21.10	22.50	
15		1	LOW	64QAM	20.81	20.67	20.71	20.75	20.82	22.50
			MID	64QAM	20.74	20.60	20.90	20.90	20.88	22.50
	HIGH		64QAM	20.73	20.79	20.63	21.04	20.83	22.50	
	36	LOW	64QAM	19.83	19.58	19.56	19.82	20.02	21.50	
		MID	64QAM	19.72	19.76	19.75	19.76	20.08	21.50	
		HIGH	64QAM	19.84	19.85	19.94	19.78	20.04	21.50	
	75	LOW	64QAM	19.84	19.61	19.77	19.53	19.92	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.24	23.36	23.29	23.39	23.43	24.50
MID			QPSK	23.23	23.20	23.38	23.29	23.48	24.50	
HIGH			QPSK	23.13	23.24	23.40	23.27	23.48	24.50	
50		LOW	QPSK	21.72	21.78	21.81	21.77	22.07	23.50	
		MID	QPSK	21.70	21.83	21.83	21.81	22.05	23.50	
		HIGH	QPSK	21.65	21.55	21.82	21.80	21.97	23.50	
100	LOW	QPSK	21.66	21.70	21.82	21.72	22.01	23.50		
20	1	LOW	Q16	21.85	21.95	21.70	21.84	21.84	23.50	
		MID	Q16	21.78	21.69	21.89	21.75	21.87	23.50	
		HIGH	Q16	21.73	21.86	21.83	21.85	21.78	23.50	
	50	LOW	Q16	20.71	20.66	20.72	20.60	21.02	22.50	
		MID	Q16	20.68	20.55	20.76	20.73	20.97	22.50	
		HIGH	Q16	20.64	20.70	20.81	20.76	20.95	22.50	
	100	LOW	Q16	20.64	20.55	20.78	20.63	20.98	22.50	
	20	1	LOW	64QAM	20.71	20.73	20.66	20.81	20.72	22.50
			MID	64QAM	20.74	20.66	20.82	20.83	20.79	22.50
HIGH			64QAM	20.73	20.78	20.74	20.92	20.83	22.50	
50		LOW	64QAM	19.77	19.55	19.55	19.73	19.93	21.50	
		MID	64QAM	19.77	19.86	19.83	19.78	19.94	21.50	
		HIGH	64QAM	19.51	19.96	19.79	19.87	20.06	21.50	
100		LOW	64QAM	19.55	19.56	19.68	19.63	19.98	21.50	

LTE B41-State1&3 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	21.41	21.27	21.49	21.31	21.63	22.75	
		MID	QPSK	21.27	21.30	21.62	21.88	21.69	22.75	
		HIGH	QPSK	21.24	21.33	21.55	21.64	21.56	22.75	
	12	LOW	QPSK	21.22	21.33	21.46	21.53	21.63	22.75	
		MID	QPSK	21.23	21.33	21.60	21.38	21.76	22.75	
		HIGH	QPSK	21.20	21.51	21.45	21.63	21.70	22.75	
	25	LOW	QPSK	21.32	21.19	21.66	21.55	21.74	22.75	
	5	1	LOW	Q16	21.33	21.44	21.46	21.35	21.60	22.75
			MID	Q16	21.37	21.43	21.72	21.68	21.49	22.75
HIGH			Q16	21.34	21.36	21.61	21.35	21.22	22.75	
12		LOW	Q16	20.64	20.87	20.71	21.03	20.96	22.50	
		MID	Q16	20.64	20.88	20.92	20.91	20.84	22.50	
		HIGH	Q16	20.72	20.69	20.80	20.75	20.88	22.50	
25		LOW	Q16	20.61	20.54	20.66	20.75	20.98	22.50	
5		1	LOW	64QAM	21.22	21.31	21.36	21.13	21.40	22.50
			MID	64QAM	21.27	21.39	21.40	21.36	21.25	22.50
	HIGH		64QAM	20.95	21.14	21.24	21.02	20.90	22.50	
	12	LOW	64QAM	19.74	19.57	19.83	19.80	19.86	21.50	
		MID	64QAM	19.89	19.65	19.89	19.94	19.84	21.50	
		HIGH	64QAM	19.66	19.56	19.98	19.87	20.01	21.50	
	25	LOW	64QAM	19.56	19.56	19.55	19.73	19.64	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	21.41	21.11	21.64	21.46	21.75	22.75
MID			QPSK	21.24	21.29	21.67	21.84	21.64	22.75	
HIGH			QPSK	21.26	21.35	21.58	21.50	21.51	22.75	
25		LOW	QPSK	21.33	21.43	21.60	21.65	21.72	22.75	
		MID	QPSK	21.20	21.15	21.64	21.39	21.72	22.75	
		HIGH	QPSK	21.22	21.29	21.60	21.47	21.49	22.75	
50	LOW	QPSK	21.33	21.33	21.69	21.42	21.75	22.75		
10	1	LOW	Q16	21.36	21.62	21.48	21.56	21.40	22.75	
		MID	Q16	21.40	21.55	21.76	21.69	21.63	22.75	
		HIGH	Q16	21.49	21.54	21.51	21.55	21.40	22.75	
	25	LOW	Q16	20.76	20.65	20.67	20.91	20.89	22.50	
		MID	Q16	20.50	20.61	20.70	20.95	20.83	22.50	
		HIGH	Q16	20.87	20.67	20.89	20.62	20.94	22.50	
50	LOW	Q16	20.79	20.77	20.81	20.74	20.98	22.50		
10	1	LOW	64QAM	21.36	21.16	21.28	21.04	21.22	22.50	
		MID	64QAM	21.30	21.42	21.38	21.51	21.29	22.50	
		HIGH	64QAM	21.08	21.09	21.32	21.07	21.10	22.50	
	25	LOW	64QAM	19.64	19.82	19.64	19.79	19.93	21.50	
		MID	64QAM	19.51	19.82	19.96	19.99	19.99	21.50	
		HIGH	64QAM	19.54	19.82	19.68	19.50	19.83	21.50	
	50	LOW	64QAM	19.78	19.85	19.82	19.88	19.90	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	21.36	21.37	21.67	21.32	21.50	22.75	
		MID	QPSK	21.19	21.49	21.82	21.67	21.80	22.75	
		HIGH	QPSK	21.15	21.35	21.75	21.64	21.65	22.75	
	36	LOW	QPSK	21.39	21.28	21.42	21.70	21.81	22.75	
		MID	QPSK	21.47	21.26	21.66	21.38	21.72	22.75	
		HIGH	QPSK	21.36	21.34	21.50	21.53	21.77	22.75	
	75	LOW	QPSK	21.18	21.16	21.64	21.64	21.61	22.75	
	15	1	LOW	Q16	21.47	21.56	21.35	21.33	21.69	22.75
			MID	Q16	21.37	21.37	21.53	21.73	21.47	22.75
HIGH			Q16	21.50	21.46	21.45	21.49	21.49	22.75	
36		LOW	Q16	20.68	20.58	20.67	20.91	20.92	22.50	
		MID	Q16	20.86	20.65	20.73	20.98	21.03	22.50	
		HIGH	Q16	20.68	20.64	20.75	20.57	20.91	22.50	
75		LOW	Q16	20.55	20.65	20.67	20.78	21.02	22.50	
15		1	LOW	64QAM	21.38	21.25	21.25	20.95	21.34	22.50
			MID	64QAM	21.19	21.44	21.38	21.39	21.20	22.50
	HIGH		64QAM	20.94	21.24	21.16	21.00	20.85	22.50	
	36	LOW	64QAM	19.81	19.79	19.82	19.95	19.88	21.50	
		MID	64QAM	19.62	19.90	20.11	19.93	20.11	21.50	
		HIGH	64QAM	19.88	19.58	19.82	19.57	19.86	21.50	
	75	LOW	64QAM	19.62	19.88	19.59	19.65	19.82	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	21.38	21.23	21.57	21.42	21.62	22.75
MID			QPSK	21.33	21.38	21.78	21.75	21.75	22.75	
HIGH			QPSK	21.30	21.25	21.64	21.50	21.53	22.75	
50		LOW	QPSK	21.36	21.38	21.54	21.55	21.72	22.75	
		MID	QPSK	21.34	21.30	21.75	21.42	21.72	22.75	
		HIGH	QPSK	21.31	21.42	21.56	21.55	21.64	22.75	
100		LOW	QPSK	21.30	21.28	21.57	21.56	21.64	22.75	
20		1	LOW	Q16	21.47	21.53	21.48	21.47	21.54	22.75
			MID	Q16	21.50	21.46	21.62	21.66	21.49	22.75
	HIGH		Q16	21.37	21.51	21.55	21.49	21.36	22.75	
	50	LOW	Q16	20.64	20.73	20.76	20.90	20.93	22.50	
		MID	Q16	20.59	20.74	20.79	20.83	20.90	22.50	
		HIGH	Q16	20.57	20.55	20.77	20.66	20.85	22.50	
	100	LOW	Q16	20.53	20.67	20.77	20.67	20.91	22.50	
	20	1	LOW	64QAM	21.29	21.24	21.22	21.07	21.25	22.50
			MID	64QAM	21.24	21.30	21.52	21.43	21.25	22.50
HIGH			64QAM	21.02	21.16	21.31	21.10	20.97	22.50	
50		LOW	64QAM	19.74	19.67	19.77	19.85	19.90	21.50	
		MID	64QAM	19.64	19.75	20.00	19.94	19.96	21.50	
		HIGH	64QAM	19.62	19.57	19.83	19.61	19.89	21.50	
100		LOW	64QAM	19.68	19.57	19.57	19.77	19.76	21.50	

LTE B41-State2&4 -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	18.82	19.08	18.99	19.22	19.04	20.25	
		MID	QPSK	19.08	18.94	19.38	19.19	19.20	20.25	
		HIGH	QPSK	18.98	18.72	19.20	19.33	19.00	20.25	
	12	LOW	QPSK	18.83	18.81	18.95	19.32	19.13	20.25	
		MID	QPSK	19.01	19.01	19.13	18.96	19.32	20.25	
		HIGH	QPSK	18.78	18.88	19.23	19.35	19.11	20.25	
	25	LOW	QPSK	18.98	19.03	18.99	19.22	19.15	20.25	
	5	1	LOW	Q16	18.86	19.07	18.82	19.02	19.13	20.25
			MID	Q16	19.12	19.06	19.14	19.22	19.10	20.25
HIGH			Q16	18.83	18.92	19.15	19.02	19.00	20.25	
12		LOW	Q16	18.91	18.81	18.90	19.00	19.37	20.25	
		MID	Q16	18.90	18.95	19.07	19.39	19.21	20.25	
		HIGH	Q16	18.92	19.00	19.14	19.07	19.16	20.25	
25		LOW	Q16	18.64	19.05	19.01	19.03	19.11	20.25	
5		1	LOW	64QAM	18.84	19.01	18.84	19.01	19.17	20.25
			MID	64QAM	19.15	19.01	19.12	19.00	19.12	20.25
	HIGH		64QAM	18.94	18.84	18.93	19.14	18.91	20.25	
	12	LOW	64QAM	18.92	18.98	19.23	19.18	19.30	20.25	
		MID	64QAM	18.64	18.85	19.23	19.24	19.14	20.25	
		HIGH	64QAM	18.52	18.97	18.96	19.03	19.20	20.25	
	25	LOW	64QAM	18.92	19.00	19.28	18.69	19.13	20.25	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	19.08	18.99	19.18	19.42	19.15	20.25
MID			QPSK	18.87	19.09	19.12	19.27	19.17	20.25	
HIGH			QPSK	18.74	18.75	19.16	19.42	19.07	20.25	
25		LOW	QPSK	18.90	18.77	19.12	19.23	19.20	20.25	
		MID	QPSK	18.80	18.83	19.12	19.01	19.07	20.25	
		HIGH	QPSK	18.91	18.78	19.19	19.32	19.09	20.25	
50	LOW	QPSK	18.86	19.09	19.09	19.07	19.14	20.25		
10	1	LOW	Q16	18.94	19.33	19.07	19.14	19.06	20.25	
		MID	Q16	19.07	19.02	19.26	19.05	19.01	20.25	
		HIGH	Q16	19.06	18.88	19.28	19.23	19.06	20.25	
	25	LOW	Q16	18.89	18.87	19.05	19.11	19.36	20.25	
		MID	Q16	18.73	18.71	19.10	19.21	19.39	20.25	
		HIGH	Q16	18.99	18.90	19.32	19.05	19.11	20.25	
50	LOW	Q16	18.80	19.11	19.08	18.97	19.20	20.25		
10	1	LOW	64QAM	18.99	19.18	18.76	19.21	18.89	20.25	
		MID	64QAM	19.14	19.07	19.34	18.95	19.27	20.25	
		HIGH	64QAM	19.03	18.98	19.07	19.20	19.16	20.25	
	25	LOW	64QAM	18.80	18.93	19.20	19.07	19.50	20.25	
		MID	64QAM	18.74	18.90	19.02	19.31	19.42	20.25	
		HIGH	64QAM	18.82	19.15	19.17	19.07	19.21	20.25	
	50	LOW	64QAM	19.05	18.68	19.30	18.86	19.02	20.25	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	18.78	19.11	19.08	19.29	19.10	20.25	
		MID	QPSK	18.97	18.87	19.21	19.39	19.25	20.25	
		HIGH	QPSK	18.63	18.49	19.16	19.16	18.99	20.25	
	36	LOW	QPSK	18.90	18.75	19.14	19.19	19.31	20.25	
		MID	QPSK	19.01	18.96	19.08	19.08	19.29	20.25	
		HIGH	QPSK	18.74	18.75	19.18	19.30	19.14	20.25	
	75	LOW	QPSK	18.99	18.92	19.23	19.01	19.05	20.25	
	15	1	LOW	Q16	19.03	19.06	19.02	19.04	19.05	20.25
			MID	Q16	19.08	18.97	19.22	18.98	18.93	20.25
HIGH			Q16	19.10	18.94	19.22	19.18	19.12	20.25	
36		LOW	Q16	19.07	18.70	19.14	19.28	19.38	20.25	
		MID	Q16	18.82	18.99	19.16	19.31	19.15	20.25	
		HIGH	Q16	18.97	18.99	19.09	19.07	19.22	20.25	
75		LOW	Q16	18.80	18.87	19.12	19.11	19.23	20.25	
15		1	LOW	64QAM	19.00	19.21	18.74	18.97	19.19	20.25
			MID	64QAM	18.95	18.99	19.31	19.24	19.17	20.25
	HIGH		64QAM	18.94	19.05	19.15	19.02	19.02	20.25	
	36	LOW	64QAM	18.79	18.95	19.19	18.99	19.13	20.25	
		MID	64QAM	18.70	19.00	19.18	19.18	19.27	20.25	
		HIGH	64QAM	18.81	19.12	18.96	19.29	19.23	20.25	
	75	LOW	64QAM	18.81	18.81	19.14	18.88	19.03	20.25	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	18.90	19.13	19.08	19.26	19.07	20.25
MID			QPSK	18.95	18.93	19.31	19.22	19.22	20.25	
HIGH			QPSK	18.84	18.68	19.14	19.20	19.10	20.25	
50		LOW	QPSK	18.87	18.83	19.10	19.20	19.19	20.25	
		MID	QPSK	18.89	18.97	19.19	18.95	19.27	20.25	
		HIGH	QPSK	18.87	18.92	19.29	19.24	19.16	20.25	
100	LOW	QPSK	18.79	18.84	19.14	19.15	19.19	20.25		
20	1	LOW	Q16	19.03	19.09	19.09	19.09	19.01	20.25	
		MID	Q16	18.97	18.96	19.13	19.06	19.14	20.25	
		HIGH	Q16	18.97	18.93	19.13	19.14	18.93	20.25	
	50	LOW	Q16	18.95	18.76	18.99	19.24	19.21	20.25	
		MID	Q16	18.95	18.93	19.08	19.30	19.16	20.25	
		HIGH	Q16	18.85	18.97	19.13	18.98	19.08	20.25	
	100	LOW	Q16	18.80	19.03	19.11	19.07	19.10	20.25	
	20	1	LOW	64QAM	18.92	19.18	18.97	19.10	19.03	20.25
			MID	64QAM	19.05	19.09	19.34	18.98	19.15	20.25
HIGH			64QAM	18.90	18.91	19.16	19.20	19.03	20.25	
50		LOW	64QAM	18.85	18.90	19.10	18.98	19.38	20.25	
		MID	64QAM	18.87	18.91	19.15	19.24	19.36	20.25	
		HIGH	64QAM	18.70	19.10	19.11	19.15	19.15	20.25	
100		LOW	64QAM	18.98	18.95	19.30	18.93	19.17	20.25	

8.3.11 LTE Band41 Output Power

LTE B41-Full Power -Ant.2										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.69	22.58	21.71	21.93	21.62	23.50	
		MID	QPSK	22.64	22.50	21.91	21.66	21.79	23.50	
		HIGH	QPSK	22.68	22.48	21.64	21.97	21.90	23.50	
	12	LOW	QPSK	21.10	21.15	20.71	21.30	20.71	22.50	
		MID	QPSK	21.04	21.37	20.68	21.37	20.50	22.50	
		HIGH	QPSK	21.22	21.23	20.86	21.27	20.61	22.50	
	25	LOW	QPSK	21.07	20.96	20.86	21.14	20.54	22.50	
	5	1	LOW	Q16	21.05	21.07	20.63	21.20	20.68	22.50
			MID	Q16	21.07	20.99	20.65	21.20	20.83	22.50
HIGH			Q16	20.87	20.94	20.91	20.85	20.98	22.50	
12		LOW	Q16	20.00	20.12	19.70	20.20	19.76	21.50	
		MID	Q16	20.02	20.00	19.80	20.26	19.59	21.50	
		HIGH	Q16	19.93	19.83	19.61	20.11	19.91	21.50	
25		LOW	Q16	20.09	20.04	19.88	20.39	19.96	21.50	
5		1	LOW	64QAM	20.10	19.74	19.56	20.36	19.60	21.50
			MID	64QAM	20.15	20.21	19.84	20.22	19.70	21.50
	HIGH		64QAM	19.73	19.82	19.69	19.83	19.73	21.50	
	12	LOW	64QAM	18.98	19.09	18.92	19.33	18.55	20.50	
		MID	64QAM	19.32	19.00	18.78	18.87	18.99	20.50	
		HIGH	64QAM	18.87	18.70	18.50	19.36	18.73	20.50	
	25	LOW	64QAM	19.05	18.93	18.59	19.28	18.51	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.57	22.63	21.93	21.87	21.59	23.50
MID			QPSK	22.64	22.47	21.70	21.54	21.76	23.50	
HIGH			QPSK	22.52	22.56	21.50	21.53	21.98	23.50	
25		LOW	QPSK	21.24	21.24	20.73	21.31	20.73	22.50	
		MID	QPSK	21.22	21.32	20.67	21.27	20.57	22.50	
		HIGH	QPSK	21.01	21.10	20.78	21.26	20.59	22.50	
50		LOW	QPSK	21.13	20.92	20.90	21.19	20.54	22.50	
10		1	LOW	Q16	21.25	21.05	20.54	21.22	20.61	22.50
			MID	Q16	20.94	20.99	20.58	21.17	20.82	22.50
	HIGH		Q16	21.11	20.83	20.67	21.00	20.58	22.50	
	25	LOW	Q16	19.95	20.33	19.75	20.19	19.60	21.50	
		MID	Q16	20.09	19.86	19.82	20.12	19.93	21.50	
		HIGH	Q16	20.13	19.95	19.71	20.37	19.65	21.50	
	50	LOW	Q16	19.95	20.03	19.75	20.40	19.91	21.50	
	10	1	LOW	64QAM	20.17	19.91	19.56	20.16	19.97	21.50
			MID	64QAM	20.19	20.05	19.78	20.27	19.88	21.50
HIGH			64QAM	19.79	20.00	19.97	19.98	19.98	21.50	
25		LOW	64QAM	19.14	19.00	18.95	19.33	18.54	20.50	
		MID	64QAM	19.32	19.21	18.72	19.00	18.52	20.50	
		HIGH	64QAM	18.86	18.95	18.97	19.44	18.72	20.50	
50		LOW	64QAM	18.89	19.02	18.75	19.17	18.56	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	22.58	22.70	21.89	21.98	21.59	23.50	
		MID	QPSK	22.57	22.65	21.93	21.77	21.64	23.50	
		HIGH	QPSK	22.62	22.52	21.71	21.67	21.89	23.50	
	36	LOW	QPSK	21.01	21.19	20.81	21.19	20.50	22.50	
		MID	QPSK	21.01	21.11	20.92	21.09	20.63	22.50	
		HIGH	QPSK	20.98	21.12	20.76	21.22	20.92	22.50	
	75	LOW	QPSK	21.05	21.16	20.65	21.12	20.94	22.50	
	15	1	LOW	Q16	21.17	20.85	20.66	21.18	20.72	22.50
			MID	Q16	21.17	21.06	20.80	21.21	20.57	22.50
HIGH			Q16	21.03	20.76	20.93	20.87	20.59	22.50	
36		LOW	Q16	20.18	20.18	19.66	20.22	19.51	21.50	
		MID	Q16	20.16	19.95	19.84	20.06	19.92	21.50	
		HIGH	Q16	20.00	19.76	19.73	20.17	19.89	21.50	
75		LOW	Q16	20.04	20.03	19.62	20.39	19.63	21.50	
15		1	LOW	64QAM	20.22	19.72	19.72	20.30	19.52	21.50
			MID	64QAM	20.19	20.03	19.96	20.24	19.88	21.50
	HIGH		64QAM	19.86	19.89	19.67	20.08	19.88	21.50	
	36	LOW	64QAM	19.02	18.96	18.86	19.49	18.71	20.50	
		MID	64QAM	19.15	19.21	18.95	18.95	18.68	20.50	
		HIGH	64QAM	18.89	18.74	18.99	19.32	18.75	20.50	
	75	LOW	64QAM	18.88	19.10	18.75	19.30	18.99	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.70	22.70	21.83	21.89	21.58	23.50
MID			QPSK	22.70	22.57	21.78	21.69	21.69	23.50	
HIGH			QPSK	22.62	22.47	21.62	21.57	21.51	23.50	
50		LOW	QPSK	21.14	21.26	20.82	21.24	20.61	22.50	
		MID	QPSK	21.11	21.26	20.81	21.22	20.63	22.50	
		HIGH	QPSK	21.07	21.15	20.76	21.18	20.50	22.50	
100		LOW	QPSK	21.12	21.06	20.77	21.22	20.55	22.50	
20		1	LOW	Q16	21.12	20.98	20.65	21.22	20.65	22.50
			MID	Q16	21.08	21.09	20.65	21.23	20.68	22.50
	HIGH		Q16	20.99	20.88	20.53	20.94	20.56	22.50	
	50	LOW	Q16	20.07	20.18	19.76	20.33	19.61	21.50	
		MID	Q16	20.10	19.96	19.76	20.11	19.52	21.50	
		HIGH	Q16	20.00	19.88	19.73	20.23	19.52	21.50	
	100	LOW	Q16	20.05	20.02	19.75	20.26	19.52	21.50	
	20	1	LOW	64QAM	20.22	19.79	19.64	20.28	19.53	21.50
			MID	64QAM	20.18	20.13	19.88	20.14	19.77	21.50
HIGH			64QAM	19.86	19.86	19.57	19.97	19.86	21.50	
50		LOW	64QAM	19.02	19.09	18.82	19.39	18.61	20.50	
		MID	64QAM	19.21	19.14	18.82	19.01	18.61	20.50	
		HIGH	64QAM	18.93	18.59	18.58	19.34	18.87	20.50	
100		LOW	64QAM	18.90	19.01	18.73	19.31	18.53	20.50	

LTE B41-State1 &3-Ant.2										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	19.52	19.82	18.52	19.04	19.07	20.50	
		MID	QPSK	19.72	19.65	18.61	19.13	19.04	20.50	
		HIGH	QPSK	19.56	19.51	19.13	19.47	19.04	20.50	
	12	LOW	QPSK	19.61	19.44	18.65	18.73	18.95	20.50	
		MID	QPSK	19.59	19.66	18.79	18.61	18.53	20.50	
		HIGH	QPSK	19.60	19.37	18.55	18.73	19.05	20.50	
	25	LOW	QPSK	19.50	19.22	18.80	18.66	18.94	20.50	
	5	1	LOW	Q16	19.36	19.39	18.98	18.64	18.69	20.50
			MID	Q16	19.38	19.46	18.54	19.02	18.63	20.50
HIGH			Q16	19.36	19.46	18.93	18.83	18.54	20.50	
12		LOW	Q16	19.49	19.27	18.65	18.57	18.66	20.50	
		MID	Q16	19.34	19.31	18.50	18.68	18.52	20.50	
		HIGH	Q16	19.28	19.20	18.61	18.88	18.85	20.50	
25		LOW	Q16	19.46	19.51	18.53	18.63	18.91	20.50	
5		1	LOW	64QAM	19.61	19.43	18.99	18.69	18.83	20.50
			MID	64QAM	19.50	19.69	18.51	18.89	18.60	20.50
	HIGH		64QAM	19.43	19.48	18.79	18.65	19.09	20.50	
	12	LOW	64QAM	19.67	19.29	18.91	18.75	18.97	20.50	
		MID	64QAM	19.46	19.69	18.55	18.91	18.57	20.50	
		HIGH	64QAM	19.10	19.44	18.98	18.78	18.97	20.50	
	25	LOW	64QAM	19.61	19.57	18.78	18.52	19.17	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	19.67	19.67	18.95	19.01	19.01	20.50
MID			QPSK	19.63	19.62	18.71	19.04	18.86	20.50	
HIGH			QPSK	19.68	19.47	19.03	19.37	18.89	20.50	
25		LOW	QPSK	19.47	19.61	18.78	18.95	18.99	20.50	
		MID	QPSK	19.42	19.66	18.74	18.67	18.89	20.50	
		HIGH	QPSK	19.42	19.59	18.77	18.50	18.83	20.50	
50	LOW	QPSK	19.30	19.27	18.58	18.51	18.94	20.50		
10	1	LOW	Q16	19.39	19.46	18.54	18.52	18.65	20.50	
		MID	Q16	19.45	19.48	18.70	19.21	18.74	20.50	
		HIGH	Q16	19.45	19.52	18.86	18.69	18.54	20.50	
	25	LOW	Q16	19.32	19.44	18.69	18.74	18.95	20.50	
		MID	Q16	19.48	19.33	18.80	18.52	18.52	20.50	
		HIGH	Q16	19.37	19.28	18.73	18.67	18.81	20.50	
	50	LOW	Q16	19.31	19.32	18.51	18.67	18.96	20.50	
	10	1	LOW	64QAM	19.64	19.43	18.65	18.92	18.62	20.50
			MID	64QAM	19.38	19.64	18.96	19.12	18.54	20.50
HIGH			64QAM	19.39	19.35	18.84	18.71	18.99	20.50	
25		LOW	64QAM	19.54	19.26	18.91	18.66	18.54	20.50	
		MID	64QAM	19.59	19.52	18.58	19.00	18.54	20.50	
		HIGH	64QAM	19.30	19.54	18.64	18.63	18.99	20.50	
50		LOW	64QAM	19.44	19.59	18.68	18.51	18.90	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	19.76	19.64	18.53	19.16	18.93	20.50	
		MID	QPSK	19.55	19.48	18.53	18.84	18.87	20.50	
		HIGH	QPSK	19.38	19.41	18.92	19.60	19.04	20.50	
	36	LOW	QPSK	19.38	19.57	18.77	18.83	18.93	20.50	
		MID	QPSK	19.43	19.55	18.76	18.96	18.54	20.50	
		HIGH	QPSK	19.61	19.42	18.55	18.65	19.07	20.50	
	75	LOW	QPSK	19.33	19.49	18.61	18.57	18.63	20.50	
	15	1	LOW	Q16	19.41	19.43	18.94	18.68	18.52	20.50
			MID	Q16	19.61	19.50	18.68	19.09	18.60	20.50
HIGH			Q16	19.42	19.53	19.07	18.94	18.61	20.50	
36		LOW	Q16	19.53	19.33	18.70	18.76	18.51	20.50	
		MID	Q16	19.46	19.38	18.53	18.70	18.95	20.50	
		HIGH	Q16	19.26	19.28	18.55	18.74	19.10	20.50	
75		LOW	Q16	19.52	19.32	18.66	18.69	18.85	20.50	
15		1	LOW	64QAM	19.56	19.62	18.90	18.82	18.76	20.50
			MID	64QAM	19.45	19.63	18.94	18.97	18.99	20.50
	HIGH		64QAM	19.52	19.45	18.66	18.58	19.12	20.50	
	36	LOW	64QAM	19.43	19.41	18.86	18.63	18.60	20.50	
		MID	64QAM	19.44	19.47	18.55	19.00	18.52	20.50	
		HIGH	64QAM	19.31	19.40	18.61	18.67	19.04	20.50	
	75	LOW	64QAM	19.45	19.47	18.85	18.94	19.02	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	19.69	19.64	18.60	19.08	18.93	20.50
MID			QPSK	19.57	19.53	18.62	18.99	18.98	20.50	
HIGH			QPSK	19.53	19.40	18.99	19.49	18.92	20.50	
50		LOW	QPSK	19.52	19.50	18.68	18.83	18.55	20.50	
		MID	QPSK	19.54	19.53	18.66	18.53	18.50	20.50	
		HIGH	QPSK	19.50	19.46	18.65	18.59	18.98	20.50	
100	LOW	QPSK	19.45	19.34	18.68	18.60	18.50	20.50		
20	1	LOW	Q16	19.51	19.54	18.58	18.65	18.59	20.50	
		MID	Q16	19.52	19.54	18.60	19.10	18.61	20.50	
		HIGH	Q16	19.38	19.49	18.94	18.82	18.51	20.50	
	50	LOW	Q16	19.47	19.40	18.67	18.69	18.56	20.50	
		MID	Q16	19.45	19.46	18.65	18.58	18.55	20.50	
		HIGH	Q16	19.37	19.26	18.62	18.74	18.96	20.50	
100	LOW	Q16	19.44	19.39	18.66	18.64	18.97	20.50		
20	1	LOW	64QAM	19.64	19.55	18.55	18.79	18.71	20.50	
		MID	64QAM	19.50	19.59	18.54	19.00	18.63	20.50	
		HIGH	64QAM	19.45	19.46	18.81	18.69	18.99	20.50	
	50	LOW	64QAM	19.57	19.36	18.77	18.63	18.55	20.50	
		MID	64QAM	19.58	19.56	18.67	18.97	18.54	20.50	
		HIGH	64QAM	19.22	19.46	18.58	18.76	19.06	20.50	
	100	LOW	64QAM	19.49	19.49	18.82	18.50	19.04	20.50	

LTE B41-State2&4 -Ant.2										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.75	22.67	21.94	21.61	21.98	23.50	
		MID	QPSK	22.73	22.44	21.89	21.64	21.63	23.50	
		HIGH	QPSK	22.73	22.56	21.61	21.99	21.89	23.50	
	12	LOW	QPSK	21.06	21.11	20.93	21.49	20.61	22.50	
		MID	QPSK	21.23	21.02	20.73	21.57	20.74	22.50	
		HIGH	QPSK	21.05	21.17	20.81	21.25	20.88	22.50	
	25	LOW	QPSK	21.18	21.01	20.75	21.11	20.51	22.50	
	5	1	LOW	Q16	20.99	20.98	20.70	21.28	20.77	22.50
			MID	Q16	21.16	21.19	20.71	21.33	20.73	22.50
HIGH			Q16	20.87	20.79	20.99	21.06	20.65	22.50	
12		LOW	Q16	19.95	20.09	19.86	20.36	19.76	21.50	
		MID	Q16	20.15	19.95	19.91	20.25	19.88	21.50	
		HIGH	Q16	20.02	20.12	19.69	20.44	19.93	21.50	
25		LOW	Q16	20.05	20.01	19.75	20.29	19.57	21.50	
5		1	LOW	64QAM	20.30	19.85	19.64	20.16	19.57	21.50
			MID	64QAM	20.37	20.19	19.77	20.24	19.55	21.50
	HIGH		64QAM	19.89	19.96	19.50	19.79	19.70	21.50	
	12	LOW	64QAM	19.03	19.11	18.92	19.35	18.65	20.50	
		MID	64QAM	19.17	19.15	18.99	19.10	18.99	20.50	
		HIGH	64QAM	19.03	19.01	18.58	19.21	18.94	20.50	
	25	LOW	64QAM	19.05	19.14	18.84	19.46	18.68	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.83	22.74	21.94	21.84	21.56	23.50
MID			QPSK	22.55	22.44	21.70	21.78	21.68	23.50	
HIGH			QPSK	22.69	22.51	21.53	21.61	21.55	23.50	
25		LOW	QPSK	21.19	21.10	20.87	21.41	20.76	22.50	
		MID	QPSK	21.06	20.98	20.67	21.42	20.62	22.50	
		HIGH	QPSK	21.09	21.16	20.84	21.26	20.94	22.50	
50		LOW	QPSK	20.98	21.11	20.74	21.38	20.50	22.50	
10		1	LOW	Q16	21.20	21.08	20.50	21.30	20.55	22.50
			MID	Q16	21.15	21.09	20.78	21.21	20.72	22.50
	HIGH		Q16	20.93	20.84	20.66	20.79	20.92	22.50	
	25	LOW	Q16	20.06	20.03	19.77	20.49	19.96	21.50	
		MID	Q16	20.22	19.95	19.72	19.97	19.99	21.50	
		HIGH	Q16	20.04	20.08	19.61	20.19	19.53	21.50	
	50	LOW	Q16	20.04	19.92	19.63	20.17	19.51	21.50	
	10	1	LOW	64QAM	20.09	19.84	19.98	20.19	19.60	21.50
			MID	64QAM	20.26	20.12	19.70	20.34	19.79	21.50
HIGH			64QAM	20.00	19.98	19.96	19.81	19.70	21.50	
25		LOW	64QAM	18.94	19.20	18.77	19.43	18.58	20.50	
		MID	64QAM	19.25	19.03	19.01	19.07	18.59	20.50	
		HIGH	64QAM	19.11	18.92	18.58	19.12	18.90	20.50	
50		LOW	64QAM	19.08	19.25	18.60	19.29	18.50	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dB m)	
15	1	LOW	QPSK	22.81	22.74	21.70	21.60	21.53	23.50	
		MID	QPSK	22.69	22.56	21.88	21.79	21.57	23.50	
		HIGH	QPSK	22.51	22.63	21.97	21.62	21.98	23.50	
	36	LOW	QPSK	21.28	21.14	20.81	21.45	20.60	22.50	
		MID	QPSK	21.00	21.03	20.84	21.32	20.77	22.50	
		HIGH	QPSK	21.19	21.06	20.61	21.06	20.91	22.50	
	75	LOW	QPSK	21.20	21.25	20.67	21.34	20.93	22.50	
	15	1	LOW	Q16	21.08	21.01	20.50	21.35	20.79	22.50
			MID	Q16	21.04	21.32	20.53	21.35	20.83	22.50
HIGH			Q16	20.89	20.98	20.50	20.88	20.69	22.50	
36		LOW	Q16	20.20	19.99	19.64	20.26	19.72	21.50	
		MID	Q16	19.95	19.98	19.77	20.20	19.52	21.50	
		HIGH	Q16	20.11	20.05	19.73	20.37	19.52	21.50	
75		LOW	Q16	20.05	19.90	19.71	20.31	19.93	21.50	
15		1	LOW	64QAM	20.36	19.71	19.61	20.19	19.50	21.50
			MID	64QAM	20.10	20.00	19.78	20.35	19.63	21.50
	HIGH		64QAM	19.95	19.80	19.52	19.94	19.71	21.50	
	36	LOW	64QAM	18.98	19.28	18.75	19.32	18.57	20.50	
		MID	64QAM	19.30	19.24	19.01	19.20	18.60	20.50	
		HIGH	64QAM	19.09	19.08	18.66	19.32	18.85	20.50	
	75	LOW	64QAM	18.90	19.31	18.62	19.30	18.56	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dB m)
	20	1	LOW	QPSK	22.70	22.60	21.83	21.72	21.58	23.50
MID			QPSK	22.70	22.55	21.78	21.76	21.69	23.50	
HIGH			QPSK	22.62	22.62	21.62	21.63	21.51	23.50	
50		LOW	QPSK	21.14	21.00	20.82	21.37	20.61	22.50	
		MID	QPSK	21.11	21.12	20.81	21.42	20.63	22.50	
		HIGH	QPSK	21.07	21.13	20.76	21.17	20.50	22.50	
100		LOW	QPSK	21.12	21.12	20.77	21.24	20.55	22.50	
20		1	LOW	Q16	21.12	21.04	20.65	21.21	20.65	22.50
			MID	Q16	21.08	21.20	20.65	21.28	20.68	22.50
	HIGH		Q16	20.99	20.86	20.53	20.93	20.56	22.50	
	50	LOW	Q16	20.07	20.11	19.76	20.41	19.61	21.50	
		MID	Q16	20.10	19.99	19.76	20.12	19.52	21.50	
		HIGH	Q16	20.00	20.01	19.73	20.30	19.52	21.50	
	100	LOW	Q16	20.05	19.96	19.75	20.19	19.52	21.50	
	20	1	LOW	64QAM	20.24	19.86	19.54	20.29	19.50	21.50
			MID	64QAM	20.22	20.10	19.75	20.34	19.64	21.50
HIGH			64QAM	19.86	19.93	19.51	19.87	19.68	21.50	
50		LOW	64QAM	18.96	19.21	18.86	19.33	18.66	20.50	
		MID	64QAM	19.19	19.09	19.00	19.17	18.62	20.50	
		HIGH	64QAM	19.02	19.02	18.69	19.20	18.84	20.50	
100		LOW	64QAM	19.01	19.18	18.73	19.32	18.63	20.50	

8.4.1 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_Band 7-ANT1 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.36	23.50
21100	21298	20	QPSK	1	High	1	Low	2	22.00	23.50
21350	21152	20	QPSK	1	Low	1	High	2	21.91	23.50

LTE Uplink 2CA_Band 7-ANT1-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	17.69	19.00
21100	21298	20	QPSK	1	High	1	Low	2	17.46	19.00
21350	21152	20	QPSK	1	Low	1	High	2	17.52	19.00

LTE Uplink 2CA_Band 7-ANT1-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	16.47	18.00
21100	21298	20	QPSK	1	High	1	Low	2	16.62	18.00
21350	21152	20	QPSK	1	Low	1	High	2	16.63	18.00

LTE Uplink 2CA_Band 7-ANT0 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.18	23.50
21100	21298	20	QPSK	1	High	1	Low	2	22.14	23.50
21350	21152	20	QPSK	1	Low	1	High	2	21.99	23.50

LTE Uplink 2CA_Band 7-ANT0-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	20.20	21.50
21100	21298	20	QPSK	1	High	1	Low	2	20.14	21.50
21350	21152	20	QPSK	1	Low	1	High	2	20.10	21.50

LTE Uplink 2CA_Band 7-ANT0-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.18	23.50
21100	21298	20	QPSK	1	High	1	Low	2	22.14	23.50
21350	21152	20	QPSK	1	Low	1	High	2	21.99	23.50

LTE Uplink 2CA_Band 7-ANT2 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	21.10	22.50
21100	21298	20	QPSK	1	High	1	Low	2	20.75	22.50
21350	21152	20	QPSK	1	Low	1	High	2	20.54	22.50

LTE Uplink 2CA_Band 7-ANT2-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	16.57	18.00
21100	21298	20	QPSK	1	High	1	Low	2	16.39	18.00
21350	21152	20	QPSK	1	Low	1	High	2	16.16	18.00

LTE Uplink 2CA_Band 7-ANT2-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	20.14	21.50
21100	21298	20	QPSK	1	High	1	Low	2	19.70	21.50
21350	21152	20	QPSK	1	Low	1	High	2	19.52	21.50

8.4.2 LTE Band38 Uplink CA Output Power

LTE Uplink 2CA Band 38-ANT1-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	22.73	24.00
38099	37901	20	QPSK	1	Low	1	High	2	22.79	24.00
38150	37952	20	QPSK	1	Low	1	High	2	22.70	24.00

LTE Uplink 2CA Band 38-ANT1-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	21.90	23.25
38099	37901	20	QPSK	1	Low	1	High	2	21.96	23.25
38150	37952	20	QPSK	1	Low	1	High	2	22.02	23.25

LTE Uplink 2CA Band 38-ANT1-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	18.62	20.00
38099	37901	20	QPSK	1	Low	1	High	2	18.65	20.00
38150	37952	20	QPSK	1	Low	1	High	2	18.86	20.00

LTE Uplink 2CA Band 38-ANT0-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	22.70	24.00
38099	37901	20	QPSK	1	Low	1	High	2	22.67	24.00
38150	37952	20	QPSK	1	Low	1	High	2	22.90	24.00

LTE Uplink 2CA Band 38-ANT0-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	22.70	24.00
38099	37901	20	QPSK	1	Low	1	High	2	22.67	24.00
38150	37952	20	QPSK	1	Low	1	High	2	22.90	24.00

LTE Uplink 2CA Band 38-ANT0-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	22.70	24.00
38099	37901	20	QPSK	1	Low	1	High	2	22.67	24.00
38150	37952	20	QPSK	1	Low	1	High	2	22.90	24.00

LTE Uplink 2CA Band 38-ANT2-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	21.08	23.00
38099	37901	20	QPSK	1	Low	1	High	2	21.22	23.00
38150	37952	20	QPSK	1	Low	1	High	2	21.02	23.00

LTE Uplink 2CA Band 38-ANT2-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	18.58	20.50
38099	37901	20	QPSK	1	Low	1	High	2	18.62	20.50
38150	37952	20	QPSK	1	Low	1	High	2	18.56	20.50

LTE Uplink 2CA Band 38-ANT2-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
37850	38048	20	QPSK	1	High	1	Low	2	21.08	23.00
38099	37901	20	QPSK	1	Low	1	High	2	21.22	23.00
38150	37952	20	QPSK	1	Low	1	High	2	21.02	23.00

8.4.3 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA_Band 41-ANT1-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.18	24.50
40185	40383	20	QPSK	1	High	1	Low	2	23.27	24.50
40620	40818	20	QPSK	1	High	1	Low	2	23.16	24.50
41055	41253	20	QPSK	1	High	1	Low	2	23.39	24.50
41490	41292	20	QPSK	1	Low	1	High	2	23.27	24.50

LTE Uplink 2CA_Band 41-ANT1-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	21.23	22.75
40185	40383	20	QPSK	1	High	1	Low	2	21.08	22.75
40620	40818	20	QPSK	1	High	1	Low	2	21.42	22.75
41055	41253	20	QPSK	1	High	1	Low	2	21.38	22.75
41490	41292	20	QPSK	1	Low	1	High	2	21.52	22.75

LTE Uplink 2CA_Band 41-ANT1-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	18.76	20.25
40185	40383	20	QPSK	1	High	1	Low	2	18.89	20.25
40620	40818	20	QPSK	1	High	1	Low	2	18.93	20.25
41055	41253	20	QPSK	1	High	1	Low	2	19.05	20.25
41490	41292	20	QPSK	1	Low	1	High	2	19.03	20.25

LTE Uplink 2CA_Band 41-ANT0-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.09	24.50
40185	40383	20	QPSK	1	High	1	Low	2	22.94	24.50
40620	40818	20	QPSK	1	High	1	Low	2	23.34	24.50
41055	41253	20	QPSK	1	High	1	Low	2	23.44	24.50
41490	41292	20	QPSK	1	Low	1	High	2	23.46	24.50

LTE Uplink 2CA_Band 41-ANT0-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	22.34	23.50
40185	40383	20	QPSK	1	High	1	Low	2	22.38	23.50
40620	40818	20	QPSK	1	High	1	Low	2	22.35	23.50
41055	41253	20	QPSK	1	High	1	Low	2	22.51	23.50
41490	41292	20	QPSK	1	Low	1	High	2	22.52	23.50

LTE Uplink 2CA_Band 41-ANT0-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.09	24.50
40185	40383	20	QPSK	1	High	1	Low	2	22.94	24.50
40620	40818	20	QPSK	1	High	1	Low	2	23.34	24.50
41055	41253	20	QPSK	1	High	1	Low	2	23.44	24.50
41490	41292	20	QPSK	1	Low	1	High	2	23.46	24.50

LTE Uplink 2CA_Band 41-ANT2-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	21.98	23.50
40185	40383	20	QPSK	1	High	1	Low	2	21.65	23.50
40620	40818	20	QPSK	1	High	1	Low	2	21.59	23.50
41055	41253	20	QPSK	1	High	1	Low	2	21.63	23.50
41490	41292	20	QPSK	1	Low	1	High	2	21.53	23.50

LTE Uplink 2CA_Band 41-ANT2-State1&3&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	19.69	20.50
40185	40383	20	QPSK	1	High	1	Low	2	19.52	20.50
40620	40818	20	QPSK	1	High	1	Low	2	18.57	20.50
41055	41253	20	QPSK	1	High	1	Low	2	19.06	20.50
41490	41292	20	QPSK	1	Low	1	High	2	18.85	20.50

LTE Uplink 2CA_Band 41-ANT2-State2&4&6										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	21.98	23.50
40185	40383	20	QPSK	1	High	1	Low	2	21.65	23.50
40620	40818	20	QPSK	1	High	1	Low	2	21.59	23.50
41055	41253	20	QPSK	1	High	1	Low	2	21.63	23.50
41490	41292	20	QPSK	1	Low	1	High	2	21.53	23.50

8.5 Downlink Carrier Aggregation Setup Configurations

LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed in below.

1. This device supports carrier aggregation on uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP and the combinations list as below table.
2. All permutations exist. No restrictions on Pcell & Scell combinations. Only LTE Band 29 and band 46 is limited to Scell.
3. The gray color table is covered by other combinations and no need to verify power.

8.5.1 Downlink Bandwidth Combination sets for Intra-Band CA

E-UTRA CA Configuration	
DL Intra-Band Contiguous CA	DL Intra-Band Non-Contiguous CA
CA_2C	CA_2A-2A
CA_7B	CA_4A-4A
CA_7C	CA_7A-7A
CA_38C	CA_41A-41A
CA_41C	CA_66A-66A
CA_n7B	

8.5.2 Downlink Bandwidth Combination Sets for Inter-Band CA

E-UTRA CA Configuration				
DL Inter-Band (2Bands, 2CC)	DL Inter-Band (2Bands, 3CC)	DL Inter-Band (3Bands, 3CC)	DL Inter-Band (3Bands, 4CC)	DL Inter-Band (4Bands, 4CC)
CA_2A-5A	CA_7C-n5A	CA_2A-5A-n66A		
CA_2A-4A	CA_7C-n66A	CA_5A-7A-n7A		
CA_2A-7A		CA_5A-7A-n66A		
CA_2A-12A		CA_5A-66A-n66A		
CA_2A-66A		CA_7A-66A-n66A		
CA_2A-38A		CA_66A-66A-n5A		
CA_4A-5A		CA_66A-66A-n7A		
CA_4A-7A				

CA_5A-7A				
CA_5A-66A				
CA_5A-38A				
CA_5A-41A				
CA_7A-26A				
CA_7A-66A				
CA_12A-66A				
CA_26A-38A				
CA_26A-41A				
CA_38A-66A				
CA_n5A-n7A				

8.5.3 Power Confirmation for SAR test Exclusion for Downlink CA

According to KDB 941225 D05A, the uplink maximum output power below was measured with downlink CA active on the channel with highest measured maximum output power when downlink CA is inactive. The downlink SCC channel was paired with the uplink channel as normal operation. For intra-band contiguous CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing per section 5.4.1A of 3GPP TS36.521. For intra-band non-contiguous CA, the downlink channel spacing between the component carriers was set to maximum separation from PCC and remain fully within the downlink transmission band. For Inter-band CA, the SCC downlink channel was set to near the middle of its transmission band. Power measurements were performed on the channel with the highest maximum output power from Tune-up Procedure on ANT0/1/2 antenna.

EUT without Power Reduction (Full power)

Power Measurements for Intra-Band Contiguous Downlink CA with Antenna

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	99	700	1940	2	20M	898	1959.8	24.82	24.65
7C	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	22.42	22.28
7B	7	15M	21375	2562.5	1	0	3375	2682.5	7	5M	3282	2673.2	22.47	22.28
38C	38	20M	38150	2610	1	49	38150	2610	38	20M	37952	2590.2	23.15	23.06
41C	41	20M	40620	2593	1	49	40620	2593	41	20M	40422	2573.2	23.56	23.33
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7B	7	40M	510000	2550	1	1	534000	2670	7	10M	530040	2650.2	23.41	23.29

Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-2A	2	20M	18700	1860	1	99	700	1940	2	1.4M	1193	1989.3	24.82	24.68
4A-4A	4	20M	20050	1720	1	99	2050	2120	4	1.4M	2393	2154.3	22.66	22.52
7A-7A	7	20M	21350	2560	1	49	3350	2680	7	5M	2775	2622.5	22.42	22.27
41A-41A	41	20M	40620	2593	1	49	40620	2593	41	5M	41565	2687.5	23.56	23.40
66A-66A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	23.44	23.36

Power Measurements for Inter-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-5A	2	20M	18700	1860	1	99	700	1940	5	10M	2525	881.5	24.82	24.73
2A-4A	2	20M	18700	1860	1	99	700	1940	4	20M	2175	2132.5	24.82	24.80
2A-7A	2	20M	18700	1860	1	99	700	1940	7	20M	3100	2655	24.82	24.72
2A-12A	2	20M	18700	1860	1	99	700	1940	12	10M	5095	737.5	24.82	24.75
2A-66A	2	20M	18700	1860	1	99	700	1940	66	20M	66788	2145.2	24.82	27.79
2A-38A	2	20M	18700	1860	1	99	700	1940	38	20M	38000	2595	24.82	27.81
4A-5A	4	20M	20050	1720	1	99	2050	2120	5	10M	2525	881.5	22.66	22.58
4A-7A	4	20M	20050	1720	1	99	2050	2120	7	20M	3100	2655	22.66	22.61
5A-7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	23.05	22.98
5A-66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	23.05	22.98
5A-38A	5	10M	20525	836.5	1	0	2525	881.5	38	20M	38000	2595	23.05	22.95
5A-41A	5	10M	20525	836.5	1	0	2525	881.5	41	20M	40620	2593	23.05	22.92
7A-26A	7	20M	21350	2560	1	49	3350	2680	26	15M	8865	876.5	22.42	22.36
7A-66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	22.42	22.35
12A-66A	12	10M	23095	707.5	1	49	5095	737.5	66	20M	66788	2145.2	23.05	22.95
26A-38A	26	15M	26865	831.5	1	0	8865	876.5	38	20M	38000	2595	22.77	22.68
26A-41A	26	15M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	22.77	22.71
38A-66A	38	20M	38150	2610	1	49	38150	2610	66	20M	66788	2145.2	23.15	23.09
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active

n5A-n7A	5	25M	167300	836.5	1	67	176300	881.5	7	50M	531000	2655	22.88	22.69
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CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C-n5A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	5	25M	176300	881.5	22.42	22.29
7C-n66A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	66	45M	429000	2145	22.42	22.33
2A-5A-n66A	2	20M	18700	1860	1	99	700	1940	5	10M	2525	881.5	66	45M	429000	2145	24.82	24.76
5A-7A-n7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	7	50M	531000	2655	23.05	23.01
5A-7A-n66A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	66	45M	429000	2145	23.05	22.96
5A-66A-n66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	66	45M	429000	2145	23.05	22.98
7A-66A-n66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	66	45M	429000	2145	22.42	22.31
66A-66A-n5A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	5	25M	176300	881.5	23.44	23.36
66A-66A-n7A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	7	50M	531000	2655	23.44	23.32

EUT without Power Reduction (State1&3)

Power Measurements for Intra-Band Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18900	1880	1	49	900	1960	2	20M	1098	1979.8	21.29	21.14
7C	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	20.43	20.31
7B	7	15M	21375	2562.5	1	0	3375	2682.5	7	5M	3282	2673.2	20.49	20.36
38C	38	20M	38150	2610	1	49	38150	2610	38	20M	37952	2590.2	23.15	23.06
41C	41	20M	40620	2593	1	49	40620	2593	41	20M	40422	2573.2	22.64	22.52
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7B	7	40M	510000	2550	1	1	534000	2670	7	10M	530040	2650.2	21.51	21.45

Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-2A	2	20M	18900	1880	1	49	900	1960	2	1.4M	1193	1989.3	21.29	21.16
4A-4A	4	20M	20300	1745	1	0	2300	2145	4	1.4M	1957	2110.7	20.60	20.53
7A-7A	7	20M	21350	2560	1	49	3350	2680	7	5M	2775	2622.5	20.43	20.31
41A-41A	41	20M	40620	2593	1	49	40620	2593	41	5M	41565	2687.5	22.64	22.54
66A-66A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	19.99	19.85

Power Measurements for Inter-Band Non-Contiguous Downlink CA (Two Band)

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-5A	2	20M	18900	1880	1	49	900	1960	5	10M	2525	881.5	21.29	21.18
2A-4A	2	20M	18900	1880	1	49	900	1960	4	20M	2175	2132.5	21.29	21.17
2A-7A	2	20M	18900	1880	1	49	900	1960	7	20M	3100	2655	21.29	21.21
2A-12A	2	20M	18900	1880	1	49	900	1960	12	10M	5095	737.5	21.29	21.15
2A-66A	2	20M	18900	1880	1	49	900	1960	66	20M	66788	2145.2	21.29	21.16
2A-38A	2	20M	18900	1880	1	49	900	1960	38	20M	38000	2595	21.29	21.20
4A-5A	4	20M	20300	1745	1	0	2300	2145	5	10M	2525	881.5	20.60	20.55

4A-7A	4	20M	20300	1745	1	0	2300	2145	7	20M	3100	2655	20.60	20.51
5A-7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	23.05	22.96
5A-66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	23.05	23.01
5A-38A	5	10M	20525	836.5	1	0	2525	881.5	38	20M	38000	2595	23.05	22.93
5A-41A	5	10M	20525	836.5	1	0	2525	881.5	41	20M	40620	2593	23.05	22.94
7A-26A	7	20M	21350	2560	1	49	3350	2680	26	15M	8865	876.5	20.43	20.34
7A-66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	20.43	20.32
12A-66A	12	10M	23095	707.5	1	49	5095	737.5	66	20M	66788	2145.2	23.05	22.91
26A-38A	26	15M	26865	831.5	1	0	8865	876.5	38	20M	38000	2595	22.77	22.64
26A-41A	26	15M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	22.77	22.66
38A-66A	38	20M	38150	2610	1	49	38150	2610	66	20M	66788	2145.2	23.15	23.05
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
n5A-n7A	5	25M	167300	836.5	1	67	176300	881.5	7	50M	531000	2655	22.88	22.65

CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C-n5A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	5	25M	176300	881.5	20.43	20.36
7C-n66A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	66	45M	429000	2145	20.43	20.39
2A-5A-n66A	2	20M	18700	1860	1	99	700	1940	5	10M	2525	881.5	66	45M	429000	2145	21.29	21.13
5A-7A-n7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	7	50M	531000	2655	23.05	22.97
5A-7A-n66A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	66	45M	429000	2145	23.05	22.93
5A-66A-n66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	66	45M	429000	2145	23.05	22.99
7A-66A-n66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	66	45M	429000	2145	20.43	20.35
66A-66A-n5A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	5	25M	176300	881.5	19.99	19.94
66A-66A-n7A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	7	50M	531000	2655	19.99	19.87

EUT without Power Reduction (State2&4)

Power Measurements for Intra-Band Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	99	700	1940	2	20M	898	1959.8	24.82	24.65
7C	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	22.42	22.28
7B	7	15M	21375	2562.5	1	0	3375	2682.5	7	5M	3282	2673.2	22.47	22.28
38C	38	20M	38150	2610	1	49	38150	2610	38	20M	37952	2590.2	23.15	23.06
41C	41	20M	40620	2593	1	49	40620	2593	41	20M	40422	2573.2	23.56	23.33
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7B	7	40M	510000	2550	1	1	534000	2670	7	10M	530040	2650.2	23.41	23.29

Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-2A	2	20M	18700	1860	1	99	700	1940	2	1.4M	1193	1989.3	24.82	24.68
4A-4A	4	20M	20050	1720	1	99	2050	2120	4	1.4M	2393	2154.3	22.66	22.52
7A-7A	7	20M	21350	2560	1	49	3350	2680	7	5M	2775	2622.5	22.42	22.27
41A-41A	41	20M	40620	2593	1	49	40620	2593	41	5M	41565	2687.5	23.56	23.40
66A-66A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	23.44	23.36

Power Measurements for Inter-Band Non-Contiguous Downlink CA (Two Band)

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-5A	2	20M	18700	1860	1	99	700	1940	5	10M	2525	881.5	24.82	24.73
2A-4A	2	20M	18700	1860	1	99	700	1940	4	20M	2175	2132.5	24.82	24.80
2A-7A	2	20M	18700	1860	1	99	700	1940	7	20M	3100	2655	24.82	24.72
2A-12A	2	20M	18700	1860	1	99	700	1940	12	10M	5095	737.5	24.82	24.75
2A-66A	2	20M	18700	1860	1	99	700	1940	66	20M	66788	2145.2	24.82	27.79
2A-38A	2	20M	18700	1860	1	99	700	1940	38	20M	38000	2595	24.82	27.81
4A-5A	4	20M	20050	1720	1	99	2050	2120	5	10M	2525	881.5	22.66	22.58

4A-7A	4	20M	20050	1720	1	99	2050	2120	7	20M	3100	2655	22.66	22.61
5A-7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	23.05	22.98
5A-66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	23.05	22.98
5A-38A	5	10M	20525	836.5	1	0	2525	881.5	38	20M	38000	2595	23.05	22.95
5A-41A	5	10M	20525	836.5	1	0	2525	881.5	41	20M	40620	2593	23.05	22.92
7A-26A	7	20M	21350	2560	1	49	3350	2680	26	15M	8865	876.5	22.42	22.36
7A-66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	22.42	22.35
12A-66A	12	10M	23095	707.5	1	49	5095	737.5	66	20M	66788	2145.2	23.05	22.95
26A-38A	26	15M	26865	831.5	1	0	8865	876.5	38	20M	38000	2595	22.77	22.68
26A-41A	26	15M	26865	831.5	1	0	8865	876.5	41	20M	40620	2593	22.77	22.71
38A-66A	38	20M	38150	2610	1	49	38150	2610	66	20M	66788	2145.2	23.15	23.09
CA Combination	PCC								SCC1				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
n5A-n7A	5	25M	167300	836.5	1	67	176300	881.5	7	50M	531000	2655	22.88	22.69

CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
7C-n5A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	5	25M	176300	881.5	22.42	22.29
7C-n66A	7	20M	21350	2560	1	49	3350	2680	7	20M	3152	2660.2	66	45M	429000	2145	22.42	22.33
2A-5A-n66A	2	20M	18700	1860	1	99	700	1940	5	10M	2525	881.5	66	45M	429000	2145	24.82	24.76
5A-7A-n7A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	7	50M	531000	2655	23.05	23.01
5A-7A-n66A	5	10M	20525	836.5	1	0	2525	881.5	7	20M	3100	2655	66	45M	429000	2145	23.05	22.96
5A-66A-n66A	5	10M	20525	836.5	1	0	2525	881.5	66	20M	66788	2145.2	66	45M	429000	2145	23.05	22.98
7A-66A-n66A	7	20M	21350	2560	1	49	3350	2680	66	20M	66788	2145.2	66	45M	429000	2145	22.42	22.31
66A-66A-n5A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	5	25M	176300	881.5	23.44	23.36
66A-66A-n7A	66	20M	132322	1745	1	0	66788	2145.2	66	5M	67111	2177.5	7	50M	531000	2655	23.44	23.32

Summary for SAR Test Exclusion for Downlink CA

Per power confirmation results in above, the uplink maximum output power with downlink CA active remains within the specified tune-up tolerance and not more than 0.25 dB higher than the maximum output power with downlink CA inactive. According to KDB 941225 D05A, the SAR test exclusion applies to LTE downlink CA operation.

8.6.1 NR Band5 Output Power

N5-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.06	22.87	22.73	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	23.15	22.74	23.05	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.17	22.92	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.89	22.90	22.95	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.84	/	24.20
		1	67	/	22.88	/	24.20
		1	131	/	22.84	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.40	/	24.20
		64	35	/	22.93	/	24.20
		64	69	/	22.45	/	24.20
	DFT-s-OFDM BPSK	128	0	/	22.39	/	23.20
		1	1	/	22.83	/	24.20
	DFT-s-OFDM QPSK	1	67	/	22.70	/	24.20
		1	131	/	22.85	/	24.20
		64	0	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	35	/	22.89	/	24.20
		64	69	/	22.44	/	24.20
		128	0	/	22.51	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.55	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	20.18	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.70
	CP-OFDM QPSK	1	1	/	21.36	/	22.70
CP-OFDM 16QAM	1	1	/	21.18	/	22.20	
CP-OFDM 64QAM	1	1	/	19.49	/	20.70	
CP-OFDM 256QAM	1	1	/	16.19	/	17.70	

N5-ANT0 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)	
		RB Size	RB offset	826.5	836.5	846.5		
5	DFT-s-OFDM BPSK	1	1	23.06	22.87	22.73	24.20	
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)	
		RB Size	RB offset	829	836.5	844		
10	DFT-s-OFDM BPSK	1	1	23.15	22.74	23.05	24.20	
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)	
		RB Size	RB offset	831.5	836.5	841.5		
15	DFT-s-OFDM BPSK	1	1	23.17	22.92	23.00	24.20	
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)	
		RB Size	RB offset	834	836.5	839		
20	DFT-s-OFDM BPSK	1	1	22.89	22.90	22.95	24.20	
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)	
		RB Size	RB offset	/	836.5	/		
25	DFT-s-OFDM BPSK	1	1	/	22.84	/	24.20	
		1	67	/	22.88	/	24.20	
		1	131	/	22.84	/	24.20	
	DFT-s-OFDM BPSK	64	0	/	22.40	/	24.20	
		64	35	/	22.93	/	24.20	
		64	69	/	22.45	/	24.20	
	DFT-s-OFDM BPSK	128	0	/	22.39	/	23.20	
		DFT-s-OFDM QPSK	1	1	/	22.83	/	24.20
			1	67	/	22.70	/	24.20
	1		131	/	22.85	/	24.20	
	DFT-s-OFDM QPSK	64	0	/	22.20	/	24.20	
		64	35	/	22.89	/	24.20	
		64	69	/	22.44	/	24.20	
	DFT-s-OFDM QPSK	128	0	/	22.51	/	23.20	
	DFT-s-OFDM 16QAM	1	1	/	21.55	/	23.20	
	DFT-s-OFDM 64QAM	1	1	/	20.18	/	21.70	
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.70	
CP-OFDM QPSK	1	1	/	21.36	/	22.70		
CP-OFDM 16QAM	1	1	/	21.18	/	22.20		
CP-OFDM 64QAM	1	1	/	19.49	/	20.70		
CP-OFDM 256QAM	1	1	/	16.19	/	17.70		

N5-ANT0 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.06	22.87	22.73	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	23.15	22.74	23.05	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.17	22.92	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.89	22.90	22.95	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.84	/	24.20
		1	67	/	22.88	/	24.20
		1	131	/	22.84	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.40	/	24.20
		64	35	/	22.93	/	24.20
		64	69	/	22.45	/	24.20
	DFT-s-OFDM BPSK	128	0	/	22.39	/	23.20
		1	1	/	22.83	/	24.20
	DFT-s-OFDM QPSK	1	67	/	22.70	/	24.20
		1	131	/	22.85	/	24.20
		64	0	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	35	/	22.89	/	24.20
		64	69	/	22.44	/	24.20
		128	0	/	22.51	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.55	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	20.18	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.70
	CP-OFDM QPSK	1	1	/	21.36	/	22.70
CP-OFDM 16QAM	1	1	/	21.18	/	22.20	
CP-OFDM 64QAM	1	1	/	19.49	/	20.70	
CP-OFDM 256QAM	1	1	/	16.19	/	17.70	

8.6.1 NR Band5 Output Power

N5-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.35	22.36	22.33	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.42	22.27	22.30	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.23	22.54	22.41	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.31	22.45	22.39	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.43	/	24.20
		1	67	/	22.45	/	24.20
		1	131	/	22.33	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.25	/	24.20
		64	35	/	22.46	/	24.20
		64	69	/	22.30	/	24.20
	DFT-s-OFDM BPSK	128	0	/	21.90	/	23.20
	DFT-s-OFDM QPSK	1	1	/	22.40	/	24.20
		1	67	/	22.43	/	24.20
		1	131	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	0	/	22.27	/	24.20
		64	35	/	22.45	/	24.20
		64	69	/	22.38	/	24.20
	DFT-s-OFDM QPSK	128	0	/	22.10	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.45	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.34	/	19.70
	CP-OFDM QPSK	1	1	/	20.94	/	22.70
CP-OFDM 16QAM	1	1	/	20.75	/	22.20	
CP-OFDM 64QAM	1	1	/	19.04	/	20.70	
CP-OFDM 256QAM	1	1	/	15.90	/	17.70	

N5-ANT1 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.35	22.36	22.33	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.42	22.27	22.30	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.23	22.54	22.41	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.31	22.45	22.39	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.43	/	24.20
		1	67	/	22.45	/	24.20
		1	131	/	22.33	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.25	/	24.20
		64	35	/	22.46	/	24.20
		64	69	/	22.30	/	24.20
	DFT-s-OFDM BPSK	128	0	/	21.90	/	23.20
	DFT-s-OFDM QPSK	1	1	/	22.40	/	24.20
		1	67	/	22.43	/	24.20
		1	131	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	0	/	22.27	/	24.20
		64	35	/	22.45	/	24.20
		64	69	/	22.38	/	24.20
	DFT-s-OFDM QPSK	128	0	/	22.10	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.45	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.34	/	19.70
	CP-OFDM QPSK	1	1	/	20.94	/	22.70
CP-OFDM 16QAM	1	1	/	20.75	/	22.20	
CP-OFDM 64QAM	1	1	/	19.04	/	20.70	
CP-OFDM 256QAM	1	1	/	15.90	/	17.70	

N5-ANT1 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	20.69	20.30	20.50	21.95
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	20.44	20.33	20.45	21.95
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	20.34	20.29	20.43	21.95
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
15	DFT-s-OFDM BPSK	1	1	20.38	20.38	20.41	21.95
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	20.51	/	21.95
		1	67	/	20.49	/	21.95
		1	131	/	20.43	/	21.95
	DFT-s-OFDM BPSK	64	0	/	20.44	/	21.95
		64	35	/	20.49	/	21.95
		64	69	/	20.41	/	21.95
	DFT-s-OFDM BPSK	128	0	/	20.43	/	21.95
	DFT-s-OFDM QPSK	1	1	/	20.46	/	21.95
		1	67	/	20.49	/	21.95
		1	131	/	20.26	/	21.95
	DFT-s-OFDM QPSK	64	0	/	20.62	/	21.95
		64	35	/	20.39	/	21.95
		64	69	/	20.51	/	21.95
	DFT-s-OFDM QPSK	128	0	/	20.42	/	21.95
	DFT-s-OFDM 16QAM	1	1	/	20.17	/	21.95
	DFT-s-OFDM 64QAM	1	1	/	19.73	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.31	/	19.70
	CP-OFDM QPSK	1	1	/	20.49	/	21.95
CP-OFDM 16QAM	1	1	/	20.73	/	21.95	
CP-OFDM 64QAM	1	1	/	19.08	/	20.70	
CP-OFDM 256QAM	1	1	/	15.78	/	17.70	

8.6.1 NR Band5 Output Power

N5-ANT1 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.35	22.36	22.33	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.42	22.27	22.30	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.23	22.54	22.41	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.31	22.45	22.39	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.43	/	24.20
		1	67	/	22.45	/	24.20
		1	131	/	22.33	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.25	/	24.20
		64	35	/	22.46	/	24.20
		64	69	/	22.30	/	24.20
	DFT-s-OFDM BPSK	128	0	/	21.90	/	23.20
	DFT-s-OFDM QPSK	1	1	/	22.40	/	24.20
		1	67	/	22.43	/	24.20
		1	131	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	0	/	22.27	/	24.20
		64	35	/	22.45	/	24.20
		64	69	/	22.38	/	24.20
	DFT-s-OFDM QPSK	128	0	/	22.10	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.45	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.34	/	19.70
	CP-OFDM QPSK	1	1	/	20.94	/	22.70
CP-OFDM 16QAM	1	1	/	20.75	/	22.20	
CP-OFDM 64QAM	1	1	/	19.04	/	20.70	
CP-OFDM 256QAM	1	1	/	15.90	/	17.70	

N5-ANT1 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.35	22.36	22.33	24.20
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.42	22.27	22.30	24.20
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.23	22.54	22.41	24.20
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.31	22.45	22.39	24.20
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	22.43	/	24.20
		1	67	/	22.45	/	24.20
		1	131	/	22.33	/	24.20
	DFT-s-OFDM BPSK	64	0	/	22.25	/	24.20
		64	35	/	22.46	/	24.20
		64	69	/	22.30	/	24.20
	DFT-s-OFDM BPSK	128	0	/	21.90	/	23.20
	DFT-s-OFDM QPSK	1	1	/	22.40	/	24.20
		1	67	/	22.43	/	24.20
		1	131	/	22.20	/	24.20
	DFT-s-OFDM QPSK	64	0	/	22.27	/	24.20
		64	35	/	22.45	/	24.20
		64	69	/	22.38	/	24.20
	DFT-s-OFDM QPSK	128	0	/	22.10	/	23.20
	DFT-s-OFDM 16QAM	1	1	/	21.45	/	23.20
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	21.70
	DFT-s-OFDM 256QAM	1	1	/	18.34	/	19.70
	CP-OFDM QPSK	1	1	/	20.94	/	22.70
CP-OFDM 16QAM	1	1	/	20.75	/	22.20	
CP-OFDM 64QAM	1	1	/	19.04	/	20.70	
CP-OFDM 256QAM	1	1	/	15.90	/	17.70	

N5-ANT1 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	18.91	18.86	19.03	19.95
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	18.78	19.09	19.10	19.95
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	18.95	18.78	19.10	19.95
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
15	DFT-s-OFDM BPSK	1	1	19.12	18.94	19.06	19.95
Bandwidth (MHz)	Modulation	Channel		/	167300	/	Tune-up power(dB)
		RB Size	RB offset	/	836.5	/	
25	DFT-s-OFDM BPSK	1	1	/	19.08	/	19.95
		1	67	/	18.99	/	19.95
		1	131	/	18.94	/	19.95
	DFT-s-OFDM BPSK	64	0	/	18.83	/	19.95
		64	35	/	19.04	/	19.95
		64	69	/	18.87	/	19.95
	DFT-s-OFDM BPSK	128	0	/	19.11	/	19.95
	DFT-s-OFDM QPSK	1	1	/	18.87	/	19.95
		1	67	/	18.93	/	19.95
		1	131	/	19.06	/	19.95
	DFT-s-OFDM QPSK	64	0	/	19.07	/	19.95
		64	35	/	18.87	/	19.95
		64	69	/	18.95	/	19.95
	DFT-s-OFDM QPSK	128	0	/	18.86	/	19.95
	DFT-s-OFDM 16QAM	1	1	/	18.92	/	19.95
	DFT-s-OFDM 64QAM	1	1	/	18.75	/	19.95
	DFT-s-OFDM 256QAM	1	1	/	18.67	/	19.70
	CP-OFDM QPSK	1	1	/	18.98	/	19.95
CP-OFDM 16QAM	1	1	/	18.92	/	19.95	
CP-OFDM 64QAM	1	1	/	18.92	/	19.95	
CP-OFDM 256QAM	1	1	/	16.02	/	17.70	

8.6.2 NR Band7 Output Power

N7-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	22.96	22.90	22.84	23.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	22.95	22.96	22.78	23.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.27	23.13	22.96	23.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.58	22.74	22.54	23.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.86	22.60	22.63	23.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.24	22.83	23.08	23.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	22.91	23.16	23.41	23.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	23.14	23.15	22.94	23.70
		1	137	23.10	23.02	23.05	23.70
		1	271	23.07	23.05	23.12	23.70
	DFT-s-OFDM BPSK	135	0	22.59	22.52	22.41	23.70
		135	69	22.89	23.06	22.89	23.70
		135	138	22.39	22.57	22.51	23.70
	DFT-s-OFDM BPSK	270	0	22.68	22.58	22.58	22.70
		1	1	23.07	23.02	22.82	23.70
	DFT-s-OFDM QPSK	1	137	22.95	22.84	23.21	23.70
		1	271	23.22	23.07	23.53	23.70
		135	0	22.41	22.71	22.52	23.70
	DFT-s-OFDM QPSK	135	69	23.32	23.06	22.76	23.70
		135	138	22.59	22.56	22.55	23.70
		270	0	22.38	22.42	22.58	22.70
	DFT-s-OFDM QPSK	270	0	22.38	22.42	22.58	22.70
	DFT-s-OFDM 16QAM	1	1	21.81	21.81	21.92	22.70
DFT-s-OFDM 64QAM	1	1	20.23	20.26	20.15	21.20	
DFT-s-OFDM 256QAM	1	1	18.77	18.86	18.74	19.20	
CP-OFDM QPSK	1	1	21.60	21.59	21.52	22.20	
CP-OFDM 16QAM	1	1	21.21	21.34	21.50	21.70	
CP-OFDM 64QAM	1	1	19.80	19.61	19.70	20.20	
CP-OFDM 256QAM	1	1	16.11	16.29	16.41	17.20	

N7-ANT0 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	22.14	21.50	21.53	22.20
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.80	21.46	21.43	22.20
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	22.10	21.64	21.64	22.20
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.06	21.35	21.75	22.20
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.63	21.20	21.55	22.20
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.46	21.50	21.47	22.20
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.49	21.50	21.51	22.20
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	21.78	21.89	21.46	22.20
		1	137	21.69	21.66	21.66	22.20
		1	271	21.63	21.58	21.56	22.20
	DFT-s-OFDM BPSK	135	0	21.61	21.76	21.55	22.20
		135	69	21.56	21.60	21.41	22.20
		135	138	21.45	21.58	21.54	22.20
	DFT-s-OFDM BPSK	270	0	21.58	21.56	21.38	22.20
		1	1	21.94	21.58	21.56	22.20
		1	137	21.50	21.65	21.48	22.20
	DFT-s-OFDM QPSK	1	271	21.57	21.57	21.92	22.20
		135	0	21.93	21.41	21.63	22.20
		135	69	21.43	21.55	21.51	22.20
	DFT-s-OFDM QPSK	135	138	21.50	21.58	21.37	22.20
		270	0	21.45	21.37	21.35	22.20
		1	1	21.14	21.28	21.17	22.20
	DFT-s-OFDM 16QAM	1	1	20.17	20.27	20.08	21.20
	DFT-s-OFDM 64QAM	1	1	18.78	18.86	18.77	19.20
CP-OFDM QPSK	1	1	21.67	21.61	21.46	22.20	
CP-OFDM 16QAM	1	1	21.39	21.35	21.55	21.70	
CP-OFDM 64QAM	1	1	19.69	19.62	19.71	20.20	
CP-OFDM 256QAM	1	1	16.16	16.30	16.22	17.70	

N7-ANT0 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	22.96	22.90	22.84	23.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	22.95	22.96	22.78	23.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.27	23.13	22.96	23.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.58	22.74	22.54	23.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.86	22.60	22.63	23.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.24	22.83	23.08	23.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	22.91	23.16	23.41	23.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	23.14	23.15	22.94	23.70
		1	137	23.10	23.02	23.05	23.70
		1	271	23.07	23.05	23.12	23.70
	DFT-s-OFDM BPSK	135	0	22.59	22.52	22.41	23.70
		135	69	22.89	23.06	22.89	23.70
		135	138	22.39	22.57	22.51	23.70
	DFT-s-OFDM BPSK	270	0	22.68	22.58	22.58	22.70
		1	1	23.07	23.02	22.82	23.70
	DFT-s-OFDM QPSK	1	137	22.95	22.84	23.21	23.70
		1	271	23.22	23.07	23.53	23.70
		135	0	22.41	22.71	22.52	23.70
	DFT-s-OFDM QPSK	135	69	23.32	23.06	22.76	23.70
		135	138	22.59	22.56	22.55	23.70
		270	0	22.38	22.42	22.58	22.70
	DFT-s-OFDM QPSK	270	0	22.38	22.42	22.58	22.70
	DFT-s-OFDM 16QAM	1	1	21.81	21.81	21.92	22.70
	DFT-s-OFDM 64QAM	1	1	20.23	20.26	20.15	21.20
DFT-s-OFDM 256QAM	1	1	18.77	18.86	18.74	19.20	
CP-OFDM QPSK	1	1	21.60	21.59	21.52	22.20	
CP-OFDM 16QAM	1	1	21.21	21.34	21.50	21.70	
CP-OFDM 64QAM	1	1	19.80	19.61	19.70	20.20	
CP-OFDM 256QAM	1	1	16.11	16.29	16.41	17.20	

8.6.2 NR Band7 Output Power

N7-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.25	22.84	22.85	23.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.20	22.67	22.90	23.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.22	22.70	22.95	23.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.64	22.70	22.80	23.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.72	22.73	22.67	23.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	22.62	22.56	22.61	23.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	22.54	22.57	22.64	23.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	22.95	22.61	22.64	23.70
		1	137	22.85	22.64	22.73	23.70
		1	271	22.74	22.53	23.02	23.70
	DFT-s-OFDM BPSK	135	0	22.14	22.22	22.02	23.70
		135	69	22.81	22.71	22.57	23.70
		135	138	22.31	22.20	22.40	23.70
	DFT-s-OFDM BPSK	270	0	22.35	22.23	22.27	22.70
		1	1	23.07	22.75	22.75	23.70
		1	137	22.99	22.84	22.85	23.70
	DFT-s-OFDM QPSK	1	271	22.81	22.51	22.86	23.70
		135	0	22.12	22.23	22.15	23.70
		135	69	22.89	22.75	22.72	23.70
	DFT-s-OFDM QPSK	135	138	22.30	22.28	22.21	23.70
		270	0	22.45	21.75	22.39	22.70
		1	1	21.63	21.53	21.54	22.70
	DFT-s-OFDM 16QAM	1	1	20.12	20.01	19.94	21.20
	DFT-s-OFDM 64QAM	1	1	18.66	18.60	18.79	19.20
CP-OFDM QPSK	1	1	21.41	21.32	21.33	22.20	
CP-OFDM 16QAM	1	1	20.90	21.07	21.03	21.70	
CP-OFDM 64QAM	1	1	19.48	19.36	19.46	20.20	
CP-OFDM 256QAM	1	1	16.23	16.04	15.84	17.20	

N7-ANT1 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	19.08	18.51	18.85	19.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	19.28	18.48	18.62	19.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	18.93	18.65	18.77	19.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	18.83	18.94	19.19	19.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.66	18.73	19.01	19.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.88	18.93	18.83	19.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.62	18.60	18.64	19.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	18.72	18.93	18.71	19.70
		1	137	18.85	18.70	18.76	19.70
		1	271	18.76	18.72	18.81	19.70
	DFT-s-OFDM BPSK	135	0	18.96	18.80	18.92	19.70
		135	69	18.74	18.81	18.82	19.70
		135	138	18.84	18.98	18.69	19.70
	DFT-s-OFDM BPSK	270	0	18.82	18.92	19.01	19.70
		1	1	19.08	18.61	18.71	19.70
		1	137	18.99	18.64	18.66	19.70
	DFT-s-OFDM QPSK	1	271	18.88	18.81	18.68	19.70
		135	0	18.99	18.94	19.00	19.70
		135	69	18.75	18.78	18.63	19.70
	DFT-s-OFDM QPSK	135	138	18.91	18.69	18.59	19.70
		270	0	18.85	18.76	18.95	19.70
		1	1	18.39	18.36	18.17	19.70
	DFT-s-OFDM 16QAM	1	1	18.39	18.36	18.17	19.70
	DFT-s-OFDM 64QAM	1	1	18.28	18.37	18.30	19.70
DFT-s-OFDM 256QAM	1	1	18.42	18.56	18.45	19.20	
CP-OFDM QPSK	1	1	18.65	18.68	18.66	19.70	
CP-OFDM 16QAM	1	1	19.03	18.97	18.87	19.70	
CP-OFDM 64QAM	1	1	18.62	18.81	18.84	19.70	
CP-OFDM 256QAM	1	1	16.08	16.05	16.24	17.20	

N7-ANT1 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	16.90	16.44	16.63	17.95
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	16.79	16.69	16.66	17.95
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	16.97	16.58	16.70	17.95
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	16.79	16.46	16.93	17.95
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	16.63	16.82	16.79	17.95
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	16.58	16.77	16.88	17.95
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	16.74	16.60	16.59	17.95
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	16.64	16.83	16.60	17.95
		1	137	16.66	16.74	16.65	17.95
		1	271	16.61	16.82	16.59	17.95
	DFT-s-OFDM BPSK	135	0	16.88	16.94	16.81	17.95
		135	69	16.76	16.76	16.60	17.95
		135	138	16.67	16.75	16.82	17.95
	DFT-s-OFDM BPSK	270	0	16.80	16.82	16.67	17.95
		1	1	16.91	16.57	16.56	17.95
		1	137	16.76	16.85	16.46	17.95
	DFT-s-OFDM QPSK	1	271	16.95	16.42	16.53	17.95
		135	0	16.69	16.59	16.96	17.95
		135	69	16.65	16.71	16.65	17.95
	DFT-s-OFDM QPSK	135	138	16.85	16.63	16.75	17.95
		270	0	16.75	16.65	16.69	17.95
		1	1	16.35	16.31	16.31	17.95
	DFT-s-OFDM 16QAM	1	1	16.35	16.31	16.31	17.95
	DFT-s-OFDM 64QAM	1	1	16.43	16.32	16.28	17.95
DFT-s-OFDM 256QAM	1	1	17.08	16.99	17.09	17.95	
CP-OFDM QPSK	1	1	16.47	16.66	16.69	17.95	
CP-OFDM 16QAM	1	1	16.74	16.94	17.00	17.95	
CP-OFDM 64QAM	1	1	16.72	16.80	16.64	17.95	
CP-OFDM 256QAM	1	1	15.96	16.00	15.87	17.20	

8.6.2 NR Band7 Output Power

N7-ANT1 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.25	22.84	22.85	23.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.20	22.67	22.90	23.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.22	22.70	22.95	23.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	22.64	22.70	22.80	23.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.72	22.73	22.67	23.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	22.62	22.56	22.61	23.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	22.54	22.57	22.64	23.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	22.95	22.61	22.64	23.70
		1	137	22.85	22.64	22.73	23.70
		1	271	22.74	22.53	23.02	23.70
	DFT-s-OFDM BPSK	135	0	22.14	22.22	22.02	23.70
		135	69	22.81	22.71	22.57	23.70
		135	138	22.31	22.20	22.40	23.70
	DFT-s-OFDM BPSK	270	0	22.35	22.23	22.27	22.70
	DFT-s-OFDM QPSK	1	1	23.07	22.75	22.75	23.70
		1	137	22.99	22.84	22.85	23.70
		1	271	22.81	22.51	22.86	23.70
	DFT-s-OFDM QPSK	135	0	22.12	22.23	22.15	23.70
		135	69	22.89	22.75	22.72	23.70
		135	138	22.30	22.28	22.21	23.70
	DFT-s-OFDM QPSK	270	0	22.45	21.75	22.39	22.70
	DFT-s-OFDM 16QAM	1	1	21.63	21.53	21.54	22.70
	DFT-s-OFDM 64QAM	1	1	20.12	20.01	19.94	21.20
	DFT-s-OFDM 256QAM	1	1	18.66	18.60	18.79	19.20
CP-OFDM QPSK	1	1	21.41	21.32	21.33	22.20	
CP-OFDM 16QAM	1	1	20.90	21.07	21.03	21.70	
CP-OFDM 64QAM	1	1	19.48	19.36	19.46	20.20	
CP-OFDM 256QAM	1	1	16.23	16.04	15.84	17.20	

N7-ANT1 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	17.53	17.83	17.69	18.45
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	17.57	17.75	17.61	18.45
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	17.50	17.64	17.68	18.45
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	17.79	17.76	17.81	18.45
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	17.77	17.65	17.72	18.45
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	17.80	17.47	17.48	18.45
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	17.51	17.55	17.67	18.45
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	17.72	17.49	17.53	18.45
		1	137	17.71	17.82	17.70	18.45
		1	271	17.76	17.63	17.78	18.45
	DFT-s-OFDM BPSK	135	0	17.45	17.61	17.53	18.45
		135	69	17.59	17.73	17.84	18.45
		135	138	17.73	17.66	17.74	18.45
	DFT-s-OFDM BPSK	270	0	17.70	17.72	17.70	18.45
	DFT-s-OFDM QPSK	1	1	17.57	17.63	17.52	18.45
		1	137	17.58	17.77	17.54	18.45
		1	271	17.67	17.72	17.56	18.45
	DFT-s-OFDM QPSK	135	0	17.77	17.61	17.61	18.45
		135	69	17.52	17.45	17.59	18.45
		135	138	17.73	17.48	17.53	18.45
	DFT-s-OFDM QPSK	270	0	17.60	17.48	17.51	18.45
	DFT-s-OFDM 16QAM	1	1	17.76	17.83	17.58	18.45
	DFT-s-OFDM 64QAM	1	1	17.46	17.84	17.51	18.45
	DFT-s-OFDM 256QAM	1	1	17.71	17.46	17.76	18.45
	CP-OFDM QPSK	1	1	17.85	17.46	17.47	18.45
CP-OFDM 16QAM	1	1	17.67	17.73	17.63	18.45	
CP-OFDM 64QAM	1	1	17.73	17.56	17.51	18.45	
CP-OFDM 256QAM	1	1	16.50	16.24	16.59	17.20	

N7-ANT1 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	16.90	16.44	16.63	17.70
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	16.79	16.69	16.66	17.70
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	16.97	16.58	16.70	17.70
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	16.79	16.46	16.93	17.70
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	16.63	16.82	16.79	17.70
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	16.58	16.77	16.88	17.70
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	16.74	16.60	16.59	17.70
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	16.64	16.83	16.60	17.70
		1	137	16.66	16.74	16.65	17.70
		1	271	16.61	16.82	16.59	17.70
	DFT-s-OFDM BPSK	135	0	16.88	16.94	16.81	17.70
		135	69	16.76	16.76	16.60	17.70
		135	138	16.67	16.75	16.82	17.70
	DFT-s-OFDM BPSK	270	0	16.80	16.82	16.67	17.70
	DFT-s-OFDM QPSK	1	1	16.91	16.57	16.56	17.70
		1	137	16.76	16.85	16.46	17.70
		1	271	16.95	16.42	16.53	17.70
	DFT-s-OFDM QPSK	135	0	16.69	16.59	16.96	17.70
		135	69	16.65	16.71	16.65	17.70
		135	138	16.85	16.63	16.75	17.70
	DFT-s-OFDM QPSK	270	0	16.75	16.65	16.69	17.70
	DFT-s-OFDM 16QAM	1	1	16.35	16.31	16.31	17.70
	DFT-s-OFDM 64QAM	1	1	16.43	16.32	16.28	17.70
DFT-s-OFDM 256QAM	1	1	17.08	16.99	17.09	17.70	
CP-OFDM QPSK	1	1	16.47	16.66	16.69	17.70	
CP-OFDM 16QAM	1	1	16.74	16.94	17.00	17.70	
CP-OFDM 64QAM	1	1	16.72	16.80	16.64	17.70	
CP-OFDM 256QAM	1	1	15.96	16.00	15.87	17.20	

8.6.2 NR Band7 Output Power

N7-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.64	21.64	21.26	23.20
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.63	21.56	21.59	23.20
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.66	21.42	21.29	23.20
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.34	21.34	21.36	23.20
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.38	21.36	21.40	23.20
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.38	21.37	21.38	23.20
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.36	21.41	21.39	23.20
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	21.58	21.45	21.39	23.20
		1	137	21.55	21.34	21.26	23.20
		1	271	21.36	21.43	21.22	23.20
	DFT-s-OFDM BPSK	135	0	21.38	21.23	21.23	23.20
		135	69	21.27	21.34	21.34	23.20
		135	138	21.23	21.35	21.35	23.20
	DFT-s-OFDM BPSK	270	0	20.73	20.86	20.82	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.48	21.40	23.20
		1	137	21.48	21.37	21.28	23.20
		1	271	21.38	21.53	21.34	23.20
	DFT-s-OFDM QPSK	135	0	21.28	21.46	21.29	23.20
		135	69	21.40	21.37	21.27	23.20
		135	138	21.30	21.37	21.39	23.20
	DFT-s-OFDM QPSK	270	0	20.82	20.97	20.97	22.20
	DFT-s-OFDM 16QAM	1	1	20.25	20.24	20.20	22.20
	DFT-s-OFDM 64QAM	1	1	19.01	18.81	18.90	20.70
	DFT-s-OFDM 256QAM	1	1	17.36	17.42	17.27	18.70
CP-OFDM QPSK	1	1	19.86	20.03	19.84	21.70	
CP-OFDM 16QAM	1	1	19.96	19.82	19.68	21.20	
CP-OFDM 64QAM	1	1	18.34	18.16	18.15	19.70	
CP-OFDM 256QAM	1	1	14.95	14.90	14.92	16.70	

N7-ANT2 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	18.54	18.18	18.50	19.95
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	18.78	18.30	18.29	19.95
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	18.44	18.01	18.22	19.95
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	18.15	18.11	18.10	19.95
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.11	18.24	18.24	19.95
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.19	18.16	18.27	19.95
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.06	18.08	18.09	19.95
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	18.19	18.51	18.13	19.95
		1	137	18.28	18.23	18.05	19.95
		1	271	18.12	18.23	18.06	19.95
	DFT-s-OFDM BPSK	135	0	18.09	18.05	18.14	19.95
		135	69	18.02	18.07	18.06	19.95
		135	138	18.18	18.27	18.05	19.95
	DFT-s-OFDM BPSK	270	0	18.01	18.03	18.07	18.95
	DFT-s-OFDM QPSK	1	1	18.59	18.15	18.33	19.95
		1	137	18.41	18.39	18.09	19.95
		1	271	18.20	18.13	18.05	19.95
	DFT-s-OFDM QPSK	135	0	18.12	17.98	18.14	19.95
		135	69	18.09	17.96	18.14	19.95
		135	138	18.33	18.41	18.39	19.95
	DFT-s-OFDM QPSK	270	0	18.08	18.06	18.19	19.95
	DFT-s-OFDM 16QAM	1	1	18.18	18.14	18.04	19.95
	DFT-s-OFDM 64QAM	1	1	18.05	18.06	18.10	19.95
	DFT-s-OFDM 256QAM	1	1	17.38	17.46	17.65	18.70
CP-OFDM QPSK	1	1	18.07	18.08	18.10	19.95	
CP-OFDM 16QAM	1	1	18.20	18.36	18.34	19.95	
CP-OFDM 64QAM	1	1	18.07	18.24	18.14	19.70	
CP-OFDM 256QAM	1	1	15.05	14.96	15.01	16.70	

N7-ANT2 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.64	21.64	21.26	23.20
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.63	21.56	21.59	23.20
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.66	21.42	21.29	23.20
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.34	21.34	21.36	23.20
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.38	21.36	21.40	23.20
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.38	21.37	21.38	23.20
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.36	21.41	21.39	23.20
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	21.58	21.45	21.39	23.20
		1	137	21.55	21.34	21.26	23.20
		1	271	21.36	21.43	21.22	23.20
	DFT-s-OFDM BPSK	135	0	21.38	21.23	21.23	23.20
		135	69	21.27	21.34	21.34	23.20
		135	138	21.23	21.35	21.35	23.20
	DFT-s-OFDM BPSK	270	0	20.73	20.86	20.82	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.48	21.40	23.20
		1	137	21.48	21.37	21.28	23.20
		1	271	21.38	21.53	21.34	23.20
	DFT-s-OFDM QPSK	135	0	21.28	21.46	21.29	23.20
		135	69	21.40	21.37	21.27	23.20
		135	138	21.30	21.37	21.39	23.20
	DFT-s-OFDM QPSK	270	0	20.82	20.97	20.97	22.20
	DFT-s-OFDM 16QAM	1	1	20.25	20.24	20.20	22.20
	DFT-s-OFDM 64QAM	1	1	19.01	18.81	18.90	20.70
	DFT-s-OFDM 256QAM	1	1	17.36	17.42	17.27	18.70
CP-OFDM QPSK	1	1	19.86	20.03	19.84	21.70	
CP-OFDM 16QAM	1	1	19.96	19.82	19.68	21.20	
CP-OFDM 64QAM	1	1	18.34	18.16	18.15	19.70	
CP-OFDM 256QAM	1	1	14.95	14.90	14.92	16.70	

8.6.2 NR Band7 Output Power

N7-ANT2 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.64	21.64	21.26	23.20
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.63	21.56	21.59	23.20
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.66	21.42	21.29	23.20
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.34	21.34	21.36	23.20
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.38	21.36	21.40	23.20
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.38	21.37	21.38	23.20
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.36	21.41	21.39	23.20
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	21.58	21.45	21.39	23.20
		1	137	21.55	21.34	21.26	23.20
		1	271	21.36	21.43	21.22	23.20
	DFT-s-OFDM BPSK	135	0	21.38	21.23	21.23	23.20
		135	69	21.27	21.34	21.34	23.20
		135	138	21.23	21.35	21.35	23.20
	DFT-s-OFDM BPSK	270	0	20.73	20.86	20.82	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.48	21.40	23.20
		1	137	21.48	21.37	21.28	23.20
		1	271	21.38	21.53	21.34	23.20
	DFT-s-OFDM QPSK	135	0	21.28	21.46	21.29	23.20
		135	69	21.40	21.37	21.27	23.20
		135	138	21.30	21.37	21.39	23.20
	DFT-s-OFDM QPSK	270	0	20.82	20.97	20.97	22.20
	DFT-s-OFDM 16QAM	1	1	20.25	20.24	20.20	22.20
	DFT-s-OFDM 64QAM	1	1	19.01	18.81	18.90	20.70
	DFT-s-OFDM 256QAM	1	1	17.36	17.42	17.27	18.70
CP-OFDM QPSK	1	1	19.86	20.03	19.84	21.70	
CP-OFDM 16QAM	1	1	19.96	19.82	19.68	21.20	
CP-OFDM 64QAM	1	1	18.34	18.16	18.15	19.70	
CP-OFDM 256QAM	1	1	14.95	14.90	14.92	16.70	

N7-ANT2 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	18.67	18.78	18.83	19.45
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	18.61	18.60	18.68	19.45
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	18.54	18.55	18.64	19.45
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	18.70	18.54	18.85	19.45
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.80	18.60	18.55	19.45
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.55	18.59	18.78	19.45
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.85	18.64	18.55	19.45
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	18.80	18.58	18.45	19.45
		1	137	18.77	18.66	18.49	19.45
		1	271	18.62	18.81	18.69	19.45
	DFT-s-OFDM BPSK	135	0	18.46	18.57	18.79	19.45
		135	69	18.73	18.48	18.79	19.45
		135	138	18.72	18.53	18.67	19.45
	DFT-s-OFDM BPSK	270	0	18.66	18.52	18.64	19.45
	DFT-s-OFDM QPSK	1	1	18.63	18.56	18.70	19.45
		1	137	18.69	18.62	18.57	19.45
		1	271	18.63	18.60	18.57	19.45
	DFT-s-OFDM QPSK	135	0	18.64	18.49	18.53	19.45
		135	69	18.67	18.76	18.53	19.45
		135	138	18.76	18.49	18.76	19.45
	DFT-s-OFDM QPSK	270	0	18.64	18.60	18.54	19.45
	DFT-s-OFDM 16QAM	1	1	18.81	18.52	18.49	19.45
	DFT-s-OFDM 64QAM	1	1	18.74	18.62	18.45	19.45
	DFT-s-OFDM 256QAM	1	1	17.24	17.29	17.04	18.70
	CP-OFDM QPSK	1	1	18.54	18.73	18.83	19.45
CP-OFDM 16QAM	1	1	18.61	18.54	18.80	19.45	
CP-OFDM 64QAM	1	1	18.20	17.82	17.92	19.45	
CP-OFDM 256QAM	1	1	14.89	14.78	14.77	16.70	

N7-ANT2 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.23	21.10	21.00	22.20
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.06	21.35	21.31	22.20
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.21	21.28	21.10	22.20
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.05	21.35	21.18	22.20
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.05	21.05	21.28	22.20
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.14	21.34	21.40	22.20
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.40	21.13	21.30	22.20
Bandwidth (MHz)	Modulation	Channel		505000	507000	509000	Tune-up power(dB)
		RB Size	RB offset	2525	2535	2545	
50	DFT-s-OFDM BPSK	1	1	21.26	21.22	21.31	22.20
		1	137	20.97	20.97	21.02	22.20
		1	271	20.99	20.87	20.94	22.20
	DFT-s-OFDM BPSK	135	0	20.84	21.01	21.09	22.20
		135	69	21.01	20.71	20.82	22.20
		135	138	20.99	20.97	20.97	22.20
	DFT-s-OFDM BPSK	270	0	20.88	20.85	20.84	22.20
	DFT-s-OFDM QPSK	1	1	20.70	21.10	20.83	22.20
		1	137	20.80	20.74	21.09	22.20
		1	271	20.90	20.70	20.92	22.20
	DFT-s-OFDM QPSK	135	0	20.85	20.94	20.90	22.20
		135	69	20.83	20.87	21.02	22.20
		135	138	20.78	20.78	21.01	22.20
	DFT-s-OFDM QPSK	270	0	20.95	20.95	21.06	22.20
	DFT-s-OFDM 16QAM	1	1	20.44	20.50	20.33	22.20
	DFT-s-OFDM 64QAM	1	1	19.06	18.84	19.08	20.70
	DFT-s-OFDM 256QAM	1	1	17.11	17.20	16.90	18.70
CP-OFDM QPSK	1	1	19.81	19.81	20.02	21.70	
CP-OFDM 16QAM	1	1	19.81	19.77	19.48	21.20	
CP-OFDM 64QAM	1	1	18.28	17.85	17.89	19.70	
CP-OFDM 256QAM	1	1	14.75	14.84	14.78	16.70	

N66-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	23.13	23.58	23.77	24.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	23.28	23.31	23.45	24.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	23.14	23.33	23.67	24.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	23.33	23.61	23.53	24.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	23.14	23.40	23.54	24.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	23.82	23.40	23.52	24.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	23.35	23.29	23.67	24.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	23.35	23.50	23.49	24.20
		1	121	23.56	23.61	23.46	24.20
		1	241	23.44	23.36	23.52	24.20
	DFT-s-OFDM BPSK	121	0	22.90	23.08	22.98	24.20
		121	60	23.45	23.59	23.54	24.20
		121	121	23.06	23.01	23.18	24.20
	DFT-s-OFDM BPSK	241	0	23.11	23.08	23.19	23.20
	DFT-s-OFDM QPSK	1	1	23.33	23.45	23.64	24.20
		1	121	23.50	23.56	23.30	24.20
		1	241	23.44	23.55	23.43	24.20
	DFT-s-OFDM QPSK	121	0	23.03	23.19	23.11	24.20
		121	60	23.82	23.54	23.49	24.20
		121	121	23.04	23.14	23.22	24.20
	DFT-s-OFDM QPSK	241	0	22.99	23.14	23.11	23.20
	DFT-s-OFDM 16QAM	1	1	22.18	22.19	22.16	23.20
	DFT-s-OFDM 64QAM	1	1	20.76	20.73	20.55	21.70
DFT-s-OFDM 256QAM	1	1	19.24	19.35	19.16	19.70	
CP-OFDM QPSK	1	1	21.88	21.97	21.77	22.70	
CP-OFDM 16QAM	1	1	21.66	21.75	21.68	22.20	
CP-OFDM 64QAM	1	1	20.05	20.09	20.07	20.70	
CP-OFDM 256QAM	1	1	16.78	16.79	16.59	17.70	

8.6.3 NR Band66 Output Power

N66-ANT0 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	22.51	22.22	22.54	23.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	22.42	22.47	22.49	23.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	22.32	22.42	22.39	23.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	22.32	22.53	22.41	23.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	22.56	22.53	22.29	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	22.49	22.76	22.36	23.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	22.52	22.27	22.30	23.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	22.29	22.45	22.46	23.20
		1	121	22.51	22.57	22.42	23.20
		1	241	22.41	22.35	22.45	23.20
	DFT-s-OFDM BPSK	121	0	22.43	22.56	22.45	23.20
		121	60	22.40	22.59	22.46	23.20
		121	121	22.49	22.50	22.58	23.20
	DFT-s-OFDM BPSK	241	0	22.73	22.58	22.75	23.20
	DFT-s-OFDM QPSK	1	1	22.41	22.42	22.44	23.20
		1	121	22.53	22.72	22.36	23.20
		1	241	22.41	22.24	22.60	23.20
	DFT-s-OFDM QPSK	121	0	22.27	22.74	22.31	23.20
		121	60	22.26	22.55	22.32	23.20
		121	121	22.55	22.46	22.60	23.20
	DFT-s-OFDM QPSK	241	0	22.90	22.58	22.86	23.20
	DFT-s-OFDM 16QAM	1	1	22.09	22.18	22.36	23.20
	DFT-s-OFDM 64QAM	1	1	20.66	20.72	20.84	21.70
DFT-s-OFDM 256QAM	1	1	19.37	19.36	19.21	19.70	
CP-OFDM QPSK	1	1	21.93	21.97	21.93	22.70	
CP-OFDM 16QAM	1	1	21.63	21.76	21.60	22.20	
CP-OFDM 64QAM	1	1	19.94	20.10	19.91	20.70	
CP-OFDM 256QAM	1	1	16.86	16.79	16.80	17.70	

N66-ANT0 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	23.13	23.58	23.77	24.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	23.28	23.31	23.45	24.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	23.14	23.33	23.67	24.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	23.33	23.61	23.53	24.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	23.14	23.40	23.54	24.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	23.82	23.40	23.52	24.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	23.35	23.29	23.67	24.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	23.35	23.50	23.49	24.20
		1	121	23.56	23.61	23.46	24.20
		1	241	23.44	23.36	23.52	24.20
	DFT-s-OFDM BPSK	121	0	22.90	23.08	22.98	24.20
		121	60	23.45	23.59	23.54	24.20
		121	121	23.06	23.01	23.18	24.20
	DFT-s-OFDM BPSK	241	0	23.11	23.08	23.19	23.20
	DFT-s-OFDM QPSK	1	1	23.33	23.45	23.64	24.20
		1	121	23.50	23.56	23.30	24.20
		1	241	23.44	23.55	23.43	24.20
	DFT-s-OFDM QPSK	121	0	23.03	23.19	23.11	24.20
		121	60	23.82	23.54	23.49	24.20
		121	121	23.04	23.14	23.22	24.20
	DFT-s-OFDM QPSK	241	0	22.99	23.14	23.11	23.20
	DFT-s-OFDM 16QAM	1	1	22.18	22.19	22.16	23.20
	DFT-s-OFDM 64QAM	1	1	20.76	20.73	20.55	21.70
DFT-s-OFDM 256QAM	1	1	19.24	19.35	19.16	19.70	
CP-OFDM QPSK	1	1	21.88	21.97	21.77	22.70	
CP-OFDM 16QAM	1	1	21.66	21.75	21.68	22.20	
CP-OFDM 64QAM	1	1	20.05	20.09	20.07	20.70	
CP-OFDM 256QAM	1	1	16.78	16.79	16.59	17.70	

8.6.3 NR Band66 Output Power

N66-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	23.04	23.44	23.43	24.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	22.96	23.07	23.35	24.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	23.05	23.08	23.37	24.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	23.16	23.15	23.29	24.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	23.24	23.20	23.10	24.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	23.31	23.37	23.28	24.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	23.22	23.34	23.08	24.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	23.18	23.33	23.38	24.20
		1	121	23.45	23.51	23.35	24.20
		1	241	23.31	23.28	23.37	24.20
	DFT-s-OFDM BPSK	121	0	23.09	22.91	22.79	24.20
		121	60	23.49	23.47	23.49	24.20
		121	121	22.82	22.90	22.74	24.20
	DFT-s-OFDM BPSK	241	0	23.00	22.97	22.91	23.20
	DFT-s-OFDM QPSK	1	1	23.06	23.27	23.28	24.20
		1	121	23.37	23.60	23.17	24.20
		1	241	23.12	23.38	23.56	24.20
	DFT-s-OFDM QPSK	121	0	23.21	22.85	22.73	24.20
		121	60	23.37	23.41	23.49	24.20
		121	121	22.86	22.89	22.55	24.20
	DFT-s-OFDM QPSK	241	0	22.97	22.85	22.99	23.20
	DFT-s-OFDM 16QAM	1	1	21.86	22.01	21.83	23.20
	DFT-s-OFDM 64QAM	1	1	20.65	20.56	20.74	21.70
DFT-s-OFDM 256QAM	1	1	19.28	19.22	19.29	19.70	
CP-OFDM QPSK	1	1	21.88	21.82	21.97	22.70	
CP-OFDM 16QAM	1	1	21.71	21.61	21.42	22.20	
CP-OFDM 64QAM	1	1	19.98	19.95	19.82	20.70	
CP-OFDM 256QAM	1	1	16.63	16.66	16.75	17.70	

N66-ANT1 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	20.96	20.85	21.15	21.70
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	20.71	20.91	21.00	21.70
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	20.81	20.72	20.95	21.70
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	20.83	20.71	21.02	21.70
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	20.90	20.94	21.12	21.70
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	20.56	20.82	20.75	21.70
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	20.62	20.85	21.21	21.70
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	20.78	20.86	20.91	21.70
		1	121	20.98	21.02	21.23	21.70
		1	241	20.82	20.87	20.93	21.70
	DFT-s-OFDM BPSK	121	0	20.77	20.94	21.14	21.70
		121	60	21.01	20.94	21.04	21.70
		121	121	20.89	20.84	20.81	21.70
	DFT-s-OFDM BPSK	241	0	20.99	21.01	20.98	21.70
		1	1	20.82	20.75	21.01	21.70
	DFT-s-OFDM QPSK	1	121	21.02	21.22	20.92	21.70
		1	241	20.80	20.75	21.08	21.70
		121	0	20.97	20.93	20.84	21.70
	DFT-s-OFDM QPSK	121	60	21.03	20.89	20.98	21.70
		121	121	20.95	20.75	21.00	21.70
		241	0	20.79	20.98	21.05	21.70
	DFT-s-OFDM 16QAM	1	1	20.63	20.56	20.74	21.70
	DFT-s-OFDM 64QAM	1	1	20.73	20.58	20.43	21.70
DFT-s-OFDM 256QAM	1	1	19.14	19.21	19.15	19.70	
CP-OFDM QPSK	1	1	20.92	20.84	20.97	21.70	
CP-OFDM 16QAM	1	1	21.28	21.11	21.01	21.70	
CP-OFDM 64QAM	1	1	20.06	19.96	19.91	20.70	
CP-OFDM 256QAM	1	1	16.46	16.65	16.66	17.70	

N66-ANT1 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	17.19	17.13	17.36	18.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	17.19	17.27	17.35	18.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	17.28	17.37	17.35	18.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	17.17	17.31	17.36	18.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	17.30	17.33	17.50	18.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	17.31	17.39	17.19	18.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	17.26	17.39	17.35	18.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	17.29	17.32	17.41	18.20
		1	121	17.45	17.67	17.29	18.20
		1	241	17.30	17.28	17.42	18.20
	DFT-s-OFDM BPSK	121	0	17.23	17.35	17.53	18.20
		121	60	17.44	17.63	17.26	18.20
		121	121	17.42	17.33	17.19	18.20
	DFT-s-OFDM BPSK	241	0	17.23	17.38	17.31	18.20
	DFT-s-OFDM QPSK	1	1	17.20	17.27	17.51	18.20
		1	121	17.43	17.40	17.47	18.20
		1	241	17.21	17.32	17.51	18.20
	DFT-s-OFDM QPSK	121	0	17.15	17.36	17.43	18.20
		121	60	17.83	17.31	17.43	18.20
		121	121	17.51	17.20	17.16	18.20
	DFT-s-OFDM QPSK	241	0	17.28	17.23	17.41	18.20
	DFT-s-OFDM 16QAM	1	1	16.81	16.97	16.94	18.20
	DFT-s-OFDM 64QAM	1	1	16.90	17.06	17.16	18.20
DFT-s-OFDM 256QAM	1	1	17.61	17.71	17.82	18.20	
CP-OFDM QPSK	1	1	17.40	17.28	17.46	18.20	
CP-OFDM 16QAM	1	1	17.48	17.56	17.50	18.20	
CP-OFDM 64QAM	1	1	17.54	17.42	17.26	18.20	
CP-OFDM 256QAM	1	1	16.81	16.64	16.58	17.70	

8.6.3 NR Band66 Output Power

N66-ANT1 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	23.04	23.44	23.43	24.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	22.96	23.07	23.35	24.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	23.05	23.08	23.37	24.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	23.16	23.15	23.29	24.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	23.24	23.20	23.10	24.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	23.31	23.37	23.28	24.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	23.22	23.34	23.08	24.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	23.18	23.33	23.38	24.20
		1	121	23.45	23.51	23.35	24.20
		1	241	23.31	23.28	23.37	24.20
	DFT-s-OFDM BPSK	121	0	23.09	22.91	22.79	24.20
		121	60	23.49	23.47	23.49	24.20
		121	121	22.82	22.90	22.74	24.20
	DFT-s-OFDM BPSK	241	0	23.00	22.97	22.91	23.20
		1	1	23.06	23.27	23.28	24.20
		1	121	23.37	23.60	23.17	24.20
	DFT-s-OFDM QPSK	1	241	23.12	23.38	23.56	24.20
		121	0	23.21	22.85	22.73	24.20
		121	60	23.37	23.41	23.49	24.20
	DFT-s-OFDM QPSK	121	121	22.86	22.89	22.55	24.20
		241	0	22.97	22.85	22.99	23.20
		1	1	21.86	22.01	21.83	23.20
	DFT-s-OFDM 16QAM	1	1	21.86	22.01	21.83	23.20
	DFT-s-OFDM 64QAM	1	1	20.65	20.56	20.74	21.70
	DFT-s-OFDM 256QAM	1	1	19.28	19.22	19.29	19.70
CP-OFDM QPSK	1	1	21.88	21.82	21.97	22.70	
CP-OFDM 16QAM	1	1	21.71	21.61	21.42	22.20	
CP-OFDM 64QAM	1	1	19.98	19.95	19.82	20.70	
CP-OFDM 256QAM	1	1	16.63	16.66	16.75	17.70	

N66-ANT1 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	18.72	18.78	18.76	19.70
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	18.75	18.94	18.86	19.70
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	18.90	18.70	18.73	19.70
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	18.63	18.57	18.78	19.70
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	18.86	18.87	18.60	19.70
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	18.76	18.71	18.90	19.70
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	18.65	18.68	18.80	19.70
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	18.98	18.94	18.94	19.70
		1	121	18.99	18.85	19.31	19.70
		1	241	18.77	18.96	19.12	19.70
	DFT-s-OFDM BPSK	121	0	18.81	18.95	19.14	19.70
		121	60	19.15	18.84	19.00	19.70
		121	121	18.74	18.76	18.85	19.70
	DFT-s-OFDM BPSK	241	0	18.94	18.94	18.84	19.70
		1	1	18.87	18.64	19.17	19.70
		1	121	19.14	19.05	18.92	19.70
	DFT-s-OFDM QPSK	1	241	18.98	18.56	19.00	19.70
		121	0	19.01	18.98	18.83	19.70
		121	60	19.18	18.71	18.82	19.70
	DFT-s-OFDM QPSK	121	121	18.75	18.88	18.80	19.70
		241	0	18.69	18.89	18.90	19.70
		1	1	18.51	18.44	18.80	19.70
	DFT-s-OFDM 16QAM	1	1	18.76	18.64	18.46	19.70
	DFT-s-OFDM 64QAM	1	1	18.78	18.72	18.79	19.70
DFT-s-OFDM 256QAM	1	1	18.82	18.88	18.86	19.70	
CP-OFDM QPSK	1	1	19.35	19.26	18.90	19.70	
CP-OFDM 16QAM	1	1	18.17	17.88	17.99	19.70	
CP-OFDM 64QAM	1	1	16.39	16.54	16.58	17.70	
CP-OFDM 256QAM	1	1					

N66-ANT1 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	16.11	16.25	16.15	17.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	16.32	16.19	16.22	17.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	16.42	15.97	16.48	17.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	16.22	15.89	16.47	17.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	16.12	15.87	16.27	17.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	16.19	16.18	16.47	17.20
Bandwidth (MHz)	Modulation	Channel		1730	1745	1760	Tune-up power(dB)
		RB Size	RB offset	346000	349000	352000	
40	DFT-s-OFDM BPSK	1	1	16.48	16.24	16.34	17.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	16.49	16.25	16.51	17.20
		1	121	16.32	16.71	16.11	17.20
		1	241	16.10	16.39	16.55	17.20
	DFT-s-OFDM BPSK	121	0	16.33	16.52	16.68	17.20
		121	60	16.64	16.46	16.46	17.20
		121	121	16.26	16.33	16.18	17.20
	DFT-s-OFDM BPSK	241	0	16.30	16.19	16.47	17.20
		1	1	16.00	16.23	16.32	17.20
		1	121	16.51	16.49	16.51	17.20
	DFT-s-OFDM QPSK	1	241	16.34	16.33	16.53	17.20
		121	0	16.24	16.41	16.59	17.20
		121	60	17.03	16.25	16.44	17.20
	DFT-s-OFDM QPSK	121	121	16.52	16.28	16.02	17.20
		241	0	16.33	16.16	16.43	17.20
		1	1	15.80	16.09	16.06	17.20
	DFT-s-OFDM 16QAM	1	1	15.90	15.89	16.04	17.20
	DFT-s-OFDM 64QAM	1	1	16.81	16.69	16.83	17.20
	CP-OFDM QPSK	1	1	16.35	16.19	16.41	17.20
CP-OFDM 16QAM	1	1	16.39	16.47	16.55	17.20	
CP-OFDM 64QAM	1	1	16.58	16.30	16.35	17.20	
CP-OFDM 256QAM	1	1	15.75	15.51	15.61	17.20	

8.6.3 NR Band66 Output Power

N66-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.67	21.62	21.61	23.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	21.66	21.64	21.73	23.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	21.87	21.56	21.94	23.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.74	21.61	21.78	23.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	21.91	21.66	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	21.84	22.14	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	21.83	21.67	21.81	23.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	21.58	21.75	21.82	23.20
		1	121	21.84	21.94	21.84	23.20
		1	241	21.87	21.77	21.83	23.20
	DFT-s-OFDM BPSK	121	0	21.47	21.38	21.46	23.20
		121	60	21.75	21.94	21.93	23.20
		121	121	21.35	21.37	21.38	23.20
	DFT-s-OFDM BPSK	241	0	21.27	21.37	21.46	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.66	21.76	23.20
		1	121	21.96	21.77	21.73	23.20
		1	241	21.82	21.80	21.78	23.20
	DFT-s-OFDM QPSK	121	0	21.36	21.50	21.42	23.20
		121	60	21.90	21.86	21.81	23.20
		121	121	21.44	21.34	21.32	23.20
	DFT-s-OFDM QPSK	241	0	21.14	21.56	21.55	22.20
	DFT-s-OFDM 16QAM	1	1	20.60	20.46	20.27	22.20
	DFT-s-OFDM 64QAM	1	1	19.02	19.01	18.90	20.70
DFT-s-OFDM 256QAM	1	1	17.70	17.64	17.77	18.70	
CP-OFDM QPSK	1	1	20.27	20.25	20.31	21.70	
CP-OFDM 16QAM	1	1	19.96	20.03	19.90	21.20	
CP-OFDM 64QAM	1	1	18.53	18.37	18.47	19.70	
CP-OFDM 256QAM	1	1	14.91	15.11	15.01	16.70	

N66-ANT2 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.67	21.62	21.61	23.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	21.66	21.64	21.73	23.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	21.87	21.56	21.94	23.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.74	21.61	21.78	23.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	21.91	21.66	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	21.84	22.14	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	21.83	21.67	21.81	23.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	21.58	21.75	21.82	23.20
		1	121	21.84	21.94	21.84	23.20
		1	241	21.87	21.77	21.83	23.20
	DFT-s-OFDM BPSK	121	0	21.47	21.38	21.46	23.20
		121	60	21.75	21.94	21.93	23.20
		121	121	21.35	21.37	21.38	23.20
	DFT-s-OFDM BPSK	241	0	21.27	21.37	21.46	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.66	21.76	23.20
		1	121	21.96	21.77	21.73	23.20
		1	241	21.82	21.80	21.78	23.20
	DFT-s-OFDM QPSK	121	0	21.36	21.50	21.42	23.20
		121	60	21.90	21.86	21.81	23.20
		121	121	21.44	21.34	21.32	23.20
	DFT-s-OFDM QPSK	241	0	21.14	21.56	21.55	22.20
	DFT-s-OFDM 16QAM	1	1	20.60	20.46	20.27	22.20
	DFT-s-OFDM 64QAM	1	1	19.02	19.01	18.90	20.70
DFT-s-OFDM 256QAM	1	1	17.70	17.64	17.77	18.70	
CP-OFDM QPSK	1	1	20.27	20.25	20.31	21.70	
CP-OFDM 16QAM	1	1	19.96	20.03	19.90	21.20	
CP-OFDM 64QAM	1	1	18.53	18.37	18.47	19.70	
CP-OFDM 256QAM	1	1	14.91	15.11	15.01	16.70	

N66-ANT2 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.67	21.62	21.61	23.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	21.66	21.64	21.73	23.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	21.87	21.56	21.94	23.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.74	21.61	21.78	23.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	21.91	21.66	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	21.84	22.14	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	21.83	21.67	21.81	23.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	21.58	21.75	21.82	23.20
		1	121	21.84	21.94	21.84	23.20
		1	241	21.87	21.77	21.83	23.20
	DFT-s-OFDM BPSK	121	0	21.47	21.38	21.46	23.20
		121	60	21.75	21.94	21.93	23.20
		121	121	21.35	21.37	21.38	23.20
	DFT-s-OFDM BPSK	241	0	21.27	21.37	21.46	22.20
	DFT-s-OFDM QPSK	1	1	21.72	21.66	21.76	23.20
		1	121	21.96	21.77	21.73	23.20
		1	241	21.82	21.80	21.78	23.20
	DFT-s-OFDM QPSK	121	0	21.36	21.50	21.42	23.20
		121	60	21.90	21.86	21.81	23.20
		121	121	21.44	21.34	21.32	23.20
	DFT-s-OFDM QPSK	241	0	21.14	21.56	21.55	22.20
	DFT-s-OFDM 16QAM	1	1	20.60	20.46	20.27	22.20
	DFT-s-OFDM 64QAM	1	1	19.02	19.01	18.90	20.70
	DFT-s-OFDM 256QAM	1	1	17.70	17.64	17.77	18.70
CP-OFDM QPSK	1	1	20.27	20.25	20.31	21.70	
CP-OFDM 16QAM	1	1	19.96	20.03	19.90	21.20	
CP-OFDM 64QAM	1	1	18.53	18.37	18.47	19.70	
CP-OFDM 256QAM	1	1	14.91	15.11	15.01	16.70	

8.6.3 NR Band66 Output Power

N66-ANT2 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.67	21.62	21.61	23.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	21.66	21.64	21.73	23.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	21.87	21.56	21.94	23.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.74	21.61	21.78	23.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	21.91	21.66	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	21.84	22.14	21.79	23.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	21.83	21.67	21.81	23.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	21.58	21.75	21.82	23.20
		1	121	21.84	21.94	21.84	23.20
		1	241	21.87	21.77	21.83	23.20
	DFT-s-OFDM BPSK	121	0	21.47	21.38	21.46	23.20
		121	60	21.75	21.94	21.93	23.20
		121	121	21.35	21.37	21.38	23.20
	DFT-s-OFDM BPSK	241	0	21.27	21.37	21.46	22.20
		1	1	21.72	21.66	21.76	23.20
		1	121	21.96	21.77	21.73	23.20
	DFT-s-OFDM QPSK	1	241	21.82	21.80	21.78	23.20
		121	0	21.36	21.50	21.42	23.20
		121	60	21.90	21.86	21.81	23.20
	DFT-s-OFDM QPSK	121	121	21.44	21.34	21.32	23.20
		241	0	21.14	21.56	21.55	22.20
		1	1	20.60	20.46	20.27	22.20
	DFT-s-OFDM 16QAM	1	1	19.02	19.01	18.90	20.70
	DFT-s-OFDM 64QAM	1	1	17.70	17.64	17.77	18.70
CP-OFDM QPSK	1	1	20.27	20.25	20.31	21.70	
CP-OFDM 16QAM	1	1	19.96	20.03	19.90	21.20	
CP-OFDM 64QAM	1	1	18.53	18.37	18.47	19.70	
CP-OFDM 256QAM	1	1	14.91	15.11	15.01	16.70	

N66-ANT2 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.06	21.01	21.11	22.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	20.85	21.25	21.03	22.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	20.84	21.04	21.13	22.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.09	20.97	21.12	22.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	20.92	21.12	20.99	22.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	20.99	21.31	20.89	22.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	20.91	21.03	21.09	22.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	20.58	21.07	21.19	22.20
		1	121	21.05	21.20	21.02	22.20
		1	241	20.89	20.83	21.02	22.20
	DFT-s-OFDM BPSK	121	0	20.59	20.43	20.51	22.20
		121	60	20.81	20.99	21.13	22.20
		121	121	20.65	20.57	20.56	22.20
	DFT-s-OFDM BPSK	241	0	20.56	20.47	20.51	22.20
		1	1	20.85	21.06	21.14	22.20
		1	121	21.25	20.97	20.74	22.20
	DFT-s-OFDM QPSK	1	241	20.83	20.84	21.17	22.20
		121	0	20.46	20.56	20.58	22.20
		121	60	20.95	21.11	21.10	22.20
	DFT-s-OFDM QPSK	121	121	20.47	20.41	20.51	22.20
		241	0	20.46	20.78	20.71	22.20
		1	1	20.24	20.31	20.42	22.20
	DFT-s-OFDM 16QAM	1	1	18.79	18.84	18.89	20.70
	DFT-s-OFDM 64QAM	1	1	17.60	17.45	17.77	18.70
	CP-OFDM QPSK	1	1	20.05	19.97	20.15	21.70
CP-OFDM 16QAM	1	1	19.93	20.07	19.66	21.20	
CP-OFDM 64QAM	1	1	18.55	18.21	18.36	19.70	
CP-OFDM 256QAM	1	1	14.88	14.82	14.84	16.70	

N66-ANT2 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		1712.5	1745	1777.5	Tune-up power(dB)
		RB Size	RB offset	342500	349000	355500	
5	DFT-s-OFDM BPSK	1	1	21.06	21.01	21.11	22.20
Bandwidth (MHz)	Modulation	Channel		1715	1745	1775	Tune-up power(dB)
		RB Size	RB offset	343000	349000	355000	
10	DFT-s-OFDM BPSK	1	1	20.85	21.25	21.03	22.20
Bandwidth (MHz)	Modulation	Channel		1717.5	1745	1772.5	Tune-up power(dB)
		RB Size	RB offset	343500	349000	354500	
15	DFT-s-OFDM BPSK	1	1	20.84	21.04	21.13	22.20
Bandwidth (MHz)	Modulation	Channel		1720	1745	1770	Tune-up power(dB)
		RB Size	RB offset	344000	349000	354000	
20	DFT-s-OFDM BPSK	1	1	21.09	20.97	21.12	22.20
Bandwidth (MHz)	Modulation	Channel		1722.5	1745	1767.5	Tune-up power(dB)
		RB Size	RB offset	344500	349000	353500	
25	DFT-s-OFDM BPSK	1	1	20.92	21.12	20.99	22.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
30	DFT-s-OFDM BPSK	1	1	20.99	21.31	20.89	22.20
Bandwidth (MHz)	Modulation	Channel		1725	1745	1765	Tune-up power(dB)
		RB Size	RB offset	345000	349000	353000	
40	DFT-s-OFDM BPSK	1	1	20.91	21.03	21.09	22.20
Bandwidth (MHz)	Modulation	Channel		1732.5	1745	1757.5	Tune-up power(dB)
		RB Size	RB offset	346500	349000	351500	
45	DFT-s-OFDM BPSK	1	1	20.58	21.07	21.19	22.20
		1	121	21.05	21.20	21.02	22.20
		1	241	20.89	20.83	21.02	22.20
	DFT-s-OFDM BPSK	121	0	20.59	20.43	20.51	22.20
		121	60	20.81	20.99	21.13	22.20
		121	121	20.65	20.57	20.56	22.20
	DFT-s-OFDM BPSK	241	0	20.56	20.47	20.51	22.20
		1	1	20.85	21.06	21.14	22.20
		1	121	21.25	20.97	20.74	22.20
	DFT-s-OFDM QPSK	1	241	20.83	20.84	21.17	22.20
		121	0	20.46	20.56	20.58	22.20
		121	60	20.95	21.11	21.10	22.20
	DFT-s-OFDM QPSK	121	121	20.47	20.41	20.51	22.20
		241	0	20.46	20.78	20.71	22.20
		1	1	20.24	20.31	20.42	22.20
	DFT-s-OFDM 16QAM	1	1	18.79	18.84	18.89	20.70
	DFT-s-OFDM 64QAM	1	1	17.60	17.45	17.77	18.70
	CP-OFDM QPSK	1	1	20.05	19.97	20.15	21.70
CP-OFDM 16QAM	1	1	19.93	20.07	19.66	21.20	
CP-OFDM 64QAM	1	1	18.55	18.21	18.36	19.70	
CP-OFDM 256QAM	1	1	14.88	14.82	14.84	16.70	

8.6.4 NR Band38 Output Power

N38-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.60	23.87	23.87	24.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.81	23.69	23.76	24.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.96	23.75	23.73	24.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	23.61	23.66	23.69	24.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.61	23.73	23.65	24.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.63	23.61	23.66	24.20
		1	53	23.73	23.86	23.86	24.20
		1	104	23.82	23.95	23.88	24.20
	DFT-s-OFDM BPSK	50	0	23.02	23.16	23.10	24.20
		50	28	23.75	23.80	23.70	24.20
		50	56	23.48	23.28	23.35	24.20
	DFT-s-OFDM BPSK	100	0	23.22	23.21	23.41	24.20
	DFT-s-OFDM QPSK	1	1	23.76	23.58	23.79	24.20
		1	53	23.82	23.83	23.88	24.20
		1	104	23.90	23.87	23.77	24.20
	DFT-s-OFDM QPSK	50	0	22.89	23.19	22.94	24.20
		50	28	23.94	23.72	23.67	24.20
		50	56	23.57	23.21	23.20	24.20
	DFT-s-OFDM QPSK	100	0	23.27	23.13	23.54	24.20
	DFT-s-OFDM 16QAM	1	1	22.34	22.35	22.53	23.20
	DFT-s-OFDM 64QAM	1	1	21.00	20.91	21.01	21.70
	DFT-s-OFDM 256QAM	1	1	19.59	19.50	19.46	19.70
	CP-OFDM QPSK	1	1	22.13	22.12	22.04	22.70
CP-OFDM 16QAM	1	1	21.96	21.86	21.93	22.20	
CP-OFDM 64QAM	1	1	20.23	20.21	20.41	20.70	
CP-OFDM 256QAM	1	1	16.98	16.91	16.74	17.70	

N38-ANT0 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	22.07	22.27	22.22	22.95
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	22.11	22.28	22.15	22.95
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	22.31	22.21	21.78	22.95
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	22.14	22.27	22.17	22.95
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	22.18	22.14	21.95	22.95
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	22.14	22.11	22.14	22.95
		1	53	22.26	22.28	22.27	22.95
		1	104	22.27	22.36	22.33	22.95
	DFT-s-OFDM BPSK	50	0	21.98	22.18	22.21	22.95
		50	28	22.16	22.30	22.21	22.95
		50	56	22.30	22.26	22.23	22.95
	DFT-s-OFDM BPSK	100	0	22.22	22.21	22.28	22.95
	DFT-s-OFDM QPSK	1	1	22.31	22.06	21.94	22.95
		1	53	22.43	22.36	22.17	22.95
	DFT-s-OFDM QPSK	1	104	22.22	22.35	22.45	22.95
		50	0	22.09	22.14	22.41	22.95
		50	28	22.07	22.25	22.26	22.95
	DFT-s-OFDM QPSK	50	56	22.36	22.46	22.41	22.95
		100	0	22.22	22.30	22.35	22.95
	DFT-s-OFDM 16QAM	1	1	21.83	21.83	21.83	22.95
	DFT-s-OFDM 64QAM	1	1	20.88	20.91	20.77	21.70
	DFT-s-OFDM 256QAM	1	1	19.45	19.49	19.35	19.70
	CP-OFDM QPSK	1	1	22.19	22.10	22.11	22.70
	CP-OFDM 16QAM	1	1	21.93	21.85	21.87	22.20
	CP-OFDM 64QAM	1	1	20.34	20.21	20.28	20.70
CP-OFDM 256QAM	1	1	16.90	16.91	17.00	17.70	

N38-ANT0 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.60	23.87	23.87	24.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.81	23.69	23.76	24.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.96	23.75	23.73	24.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	23.61	23.66	23.69	24.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.61	23.73	23.65	24.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.63	23.61	23.66	24.20
		1	53	23.73	23.86	23.86	24.20
		1	104	23.82	23.95	23.88	24.20
	DFT-s-OFDM BPSK	50	0	23.02	23.16	23.10	24.20
		50	28	23.75	23.80	23.70	24.20
		50	56	23.48	23.28	23.35	24.20
	DFT-s-OFDM BPSK	100	0	23.22	23.21	23.41	24.20
	DFT-s-OFDM QPSK	1	1	23.76	23.58	23.79	24.20
		1	53	23.82	23.83	23.88	24.20
		1	104	23.90	23.87	23.77	24.20
	DFT-s-OFDM QPSK	50	0	22.89	23.19	22.94	24.20
		50	28	23.94	23.72	23.67	24.20
		50	56	23.57	23.21	23.20	24.20
	DFT-s-OFDM QPSK	100	0	23.27	23.13	23.54	24.20
	DFT-s-OFDM 16QAM	1	1	22.34	22.35	22.53	23.20
	DFT-s-OFDM 64QAM	1	1	21.00	20.91	21.01	21.70
	DFT-s-OFDM 256QAM	1	1	19.59	19.50	19.46	19.70
	CP-OFDM QPSK	1	1	22.13	22.12	22.04	22.70
CP-OFDM 16QAM	1	1	21.96	21.86	21.93	22.20	
CP-OFDM 64QAM	1	1	20.23	20.21	20.41	20.70	
CP-OFDM 256QAM	1	1	16.98	16.91	16.74	17.70	

8.6.4 NR Band38 Output Power

N38-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.21	24.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.01	24.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.26	23.01	22.93	24.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	23.39	23.17	23.32	24.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.23	23.00	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.23	23.16	23.24	24.20
		1	53	23.37	23.31	23.41	24.20
		1	104	23.35	23.42	23.49	24.20
	DFT-s-OFDM BPSK	50	0	22.77	22.75	22.85	24.20
		50	28	23.38	23.32	23.16	24.20
		50	56	22.69	22.81	22.99	24.20
	DFT-s-OFDM BPSK	100	0	22.90	22.78	22.59	23.20
	DFT-s-OFDM QPSK	1	1	23.39	23.16	23.10	24.20
		1	53	23.46	23.45	23.44	24.20
		1	104	23.35	23.29	23.35	24.20
	DFT-s-OFDM QPSK	50	0	22.81	22.71	23.00	24.20
		50	28	23.40	23.28	23.25	24.20
		50	56	22.57	22.78	22.85	24.20
	DFT-s-OFDM QPSK	100	0	22.71	22.59	22.75	23.20
	DFT-s-OFDM 16QAM	1	1	22.08	21.93	21.76	23.20
	DFT-s-OFDM 64QAM	1	1	20.65	20.51	20.53	21.70
	DFT-s-OFDM 256QAM	1	1	19.04	19.10	19.28	19.70
CP-OFDM QPSK	1	1	21.64	21.72	21.92	22.70	
CP-OFDM 16QAM	1	1	21.49	21.45	21.38	22.20	
CP-OFDM 64QAM	1	1	19.94	19.81	19.99	20.70	
CP-OFDM 256QAM	1	1	16.40	16.51	16.56	17.70	

N38-ANT1 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	19.32	19.19	19.68	20.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	19.20	19.29	19.27	20.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	19.22	19.11	19.46	20.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	19.43	19.24	19.40	20.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	19.25	19.23	19.47	20.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	19.26	19.27	19.34	20.20
		1	53	19.35	19.39	19.48	20.20
		1	104	19.50	19.55	19.47	20.20
	DFT-s-OFDM BPSK	50	0	19.05	19.18	19.06	20.20
		50	28	19.12	19.47	19.21	20.20
		50	56	19.11	19.23	19.30	20.20
	DFT-s-OFDM BPSK	100	0	19.14	19.20	19.08	20.20
	DFT-s-OFDM QPSK	1	1	19.35	19.18	19.48	20.20
		1	53	19.54	19.37	19.61	20.20
		1	104	19.43	19.71	19.46	20.20
	DFT-s-OFDM QPSK	50	0	18.92	19.08	19.03	20.20
		50	28	19.42	19.18	19.09	20.20
		50	56	19.26	19.16	19.35	20.20
	DFT-s-OFDM QPSK	100	0	19.12	19.03	19.17	20.20
	DFT-s-OFDM 16QAM	1	1	18.76	18.86	19.02	20.20
	DFT-s-OFDM 64QAM	1	1	18.80	18.98	18.96	20.20
	DFT-s-OFDM 256QAM	1	1	19.19	19.08	19.03	19.70
CP-OFDM QPSK	1	1	19.04	19.16	19.27	20.20	
CP-OFDM 16QAM	1	1	19.21	19.37	19.30	20.20	
CP-OFDM 64QAM	1	1	19.10	19.26	19.24	20.20	
CP-OFDM 256QAM	1	1	16.33	16.49	16.51	17.70	

N38-ANT1 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	18.27	18.28	18.22	19.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	18.06	18.24	18.44	19.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	18.31	17.97	18.05	19.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	17.92	18.06	18.30	19.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	17.97	17.96	18.23	19.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	18.17	18.16	18.21	19.20
		1	53	18.19	18.29	18.57	19.20
		1	104	18.53	18.68	18.56	19.20
	DFT-s-OFDM BPSK	50	0	18.15	18.36	18.16	19.20
		50	28	18.10	18.52	18.22	19.20
		50	56	18.13	18.29	18.25	19.20
	DFT-s-OFDM BPSK	100	0	18.18	18.19	18.16	19.20
	DFT-s-OFDM QPSK	1	1	18.17	18.09	18.13	19.20
		1	53	18.34	18.30	18.37	19.20
	DFT-s-OFDM QPSK	1	104	18.21	18.43	18.17	19.20
		50	0	18.33	18.30	18.28	19.20
		50	28	18.08	18.17	18.56	19.20
		50	56	18.29	18.11	18.29	19.20
	DFT-s-OFDM QPSK	100	0	18.15	18.14	18.46	19.20
	DFT-s-OFDM 16QAM	1	1	17.86	17.83	17.82	19.20
	DFT-s-OFDM 64QAM	1	1	17.74	17.91	18.08	19.20
	DFT-s-OFDM 256QAM	1	1	18.53	18.55	18.67	19.20
	CP-OFDM QPSK	1	1	17.99	18.18	18.13	19.20
CP-OFDM 16QAM	1	1	18.43	18.41	18.60	19.20	
CP-OFDM 64QAM	1	1	18.18	18.28	18.37	19.20	
CP-OFDM 256QAM	1	1	16.34	16.48	16.38	17.70	

8.6.4 NR Band38 Output Power

N38-ANT1 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.21	24.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.01	24.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.26	23.01	22.93	24.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	23.39	23.17	23.32	24.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.23	23.00	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.23	23.16	23.24	24.20
		1	53	23.37	23.31	23.41	24.20
		1	104	23.35	23.42	23.49	24.20
	DFT-s-OFDM BPSK	50	0	22.77	22.75	22.85	24.20
		50	28	23.38	23.32	23.16	24.20
		50	56	22.69	22.81	22.99	24.20
	DFT-s-OFDM BPSK	100	0	22.90	22.78	22.59	23.20
		1	1	23.39	23.16	23.10	24.20
		1	53	23.46	23.45	23.44	24.20
	DFT-s-OFDM QPSK	1	104	23.35	23.29	23.35	24.20
		50	0	22.81	22.71	23.00	24.20
		50	28	23.40	23.28	23.25	24.20
	DFT-s-OFDM QPSK	50	56	22.57	22.78	22.85	24.20
		100	0	22.71	22.59	22.75	23.20
		DFT-s-OFDM 16QAM	1	1	22.08	21.93	21.76
	DFT-s-OFDM 64QAM	1	1	20.65	20.51	20.53	21.70
	DFT-s-OFDM 256QAM	1	1	19.04	19.10	19.28	19.70
	CP-OFDM QPSK	1	1	21.64	21.72	21.92	22.70
CP-OFDM 16QAM	1	1	21.49	21.45	21.38	22.20	
CP-OFDM 64QAM	1	1	19.94	19.81	19.99	20.70	
CP-OFDM 256QAM	1	1	16.40	16.51	16.56	17.70	

N38-ANT1 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	18.27	18.28	18.22	19.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	18.06	18.24	18.44	19.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	18.31	17.97	18.05	19.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	17.92	18.06	18.30	19.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	17.97	17.96	18.23	19.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	18.17	18.16	18.21	19.20
		1	53	18.19	18.29	18.57	19.20
		1	104	18.53	18.68	18.56	19.20
	DFT-s-OFDM BPSK	50	0	18.15	18.36	18.16	19.20
		50	28	18.10	18.52	18.22	19.20
		50	56	18.13	18.29	18.25	19.20
	DFT-s-OFDM BPSK	100	0	18.18	18.19	18.16	19.20
		1	1	18.17	18.09	18.13	19.20
		1	53	18.34	18.30	18.37	19.20
	DFT-s-OFDM QPSK	1	104	18.21	18.43	18.17	19.20
		50	0	18.33	18.30	18.28	19.20
		50	28	18.08	18.17	18.56	19.20
	DFT-s-OFDM QPSK	50	56	18.29	18.11	18.29	19.20
		100	0	18.15	18.14	18.46	19.20
		1	1	17.86	17.83	17.82	19.20
	DFT-s-OFDM 16QAM	1	1	17.86	17.83	17.82	19.20
	DFT-s-OFDM 64QAM	1	1	17.74	17.91	18.08	19.20
	DFT-s-OFDM 256QAM	1	1	18.53	18.55	18.67	19.20
CP-OFDM QPSK	1	1	17.99	18.18	18.13	19.20	
CP-OFDM 16QAM	1	1	18.43	18.41	18.60	19.20	
CP-OFDM 64QAM	1	1	18.18	18.28	18.37	19.20	
CP-OFDM 256QAM	1	1	16.34	16.48	16.38	17.70	

N38-ANT1 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	17.34	17.31	17.60	18.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	17.28	17.48	17.61	18.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	17.12	17.22	17.64	18.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	17.42	17.47	17.83	18.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	17.22	17.45	17.60	18.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	17.15	17.38	17.49	18.20
		1	53	17.44	17.38	17.66	18.20
		1	104	17.74	17.62	17.75	18.20
	DFT-s-OFDM BPSK	50	0	17.13	17.35	17.38	18.20
		50	28	17.17	17.65	17.21	18.20
		50	56	17.28	17.39	17.40	18.20
	DFT-s-OFDM BPSK	100	0	17.39	17.13	17.44	18.20
		1	1	17.40	17.11	17.31	18.20
		1	53	17.41	17.20	17.52	18.20
	DFT-s-OFDM QPSK	1	104	17.43	17.53	17.15	18.20
		50	0	17.27	17.26	17.55	18.20
		50	28	17.21	17.38	17.49	18.20
	DFT-s-OFDM QPSK	50	56	17.58	17.18	17.28	18.20
		100	0	17.45	17.18	17.44	18.20
		1	1	17.04	16.91	17.05	18.20
	DFT-s-OFDM 16QAM	1	1	17.04	16.91	17.05	18.20
	DFT-s-OFDM 64QAM	1	1	16.72	17.14	17.12	18.20
	DFT-s-OFDM 256QAM	1	1	17.59	17.65	17.85	18.20
CP-OFDM QPSK	1	1	16.97	17.16	17.29	18.20	
CP-OFDM 16QAM	1	1	17.44	17.69	17.79	18.20	
CP-OFDM 64QAM	1	1	17.19	17.46	17.63	18.20	
CP-OFDM 256QAM	1	1	15.53	15.72	15.59	16.70	

8.6.4 NR Band38 Output Power

N38-ANT2 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	21.56	21.67	21.59	23.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	21.47	21.66	21.76	23.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	21.65	21.62	21.58	23.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	21.82	21.84	21.44	23.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	21.82	21.71	21.56	23.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	21.87	21.73	21.66	23.20
		1	53	21.74	21.70	21.68	23.20
		1	104	21.60	21.56	21.52	23.20
	DFT-s-OFDM BPSK	50	0	21.59	21.46	21.51	23.20
		50	28	21.62	21.66	21.60	23.20
		50	56	21.20	21.27	21.20	23.20
	DFT-s-OFDM BPSK	100	0	21.30	21.16	21.07	22.20
		1	1	22.07	21.65	21.63	23.20
		1	53	21.68	21.86	21.68	23.20
	DFT-s-OFDM QPSK	1	104	21.64	21.37	21.68	23.20
		50	0	21.21	21.27	21.26	23.20
		50	28	21.69	21.61	21.66	23.20
	DFT-s-OFDM QPSK	50	56	21.22	21.28	21.25	23.20
		100	0	21.39	21.10	21.10	22.20
	DFT-s-OFDM 16QAM	1	1	20.42	20.41	20.27	22.20
	DFT-s-OFDM 64QAM	1	1	19.14	18.99	19.18	20.70
	DFT-s-OFDM 256QAM	1	1	17.39	17.59	17.47	18.70
	CP-OFDM QPSK	1	1	20.07	20.19	20.38	21.70
	CP-OFDM 16QAM	1	1	20.02	19.91	19.94	21.20
	CP-OFDM 64QAM	1	1	18.25	18.30	18.45	19.70
CP-OFDM 256QAM	1	1	14.96	15.01	14.94	16.70	

N38-ANT2 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	19.15	18.97	19.01	20.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	19.05	19.13	19.03	20.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	19.28	19.07	19.11	20.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	19.02	19.11	19.20	20.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	19.20	19.13	19.10	20.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	19.12	19.19	19.16	20.20
		1	53	19.20	19.15	19.06	20.20
		1	104	19.01	19.01	19.23	20.20
	DFT-s-OFDM BPSK	50	0	19.01	19.03	19.07	20.20
		50	28	18.97	19.01	19.03	20.20
		50	56	18.84	19.04	18.96	20.20
	DFT-s-OFDM BPSK	100	0	19.31	19.17	19.13	20.20
		1	1	19.29	19.15	18.98	20.20
		1	53	19.20	19.34	19.04	20.20
	DFT-s-OFDM QPSK	1	104	18.91	18.92	18.91	20.20
		50	0	19.30	19.25	18.88	20.20
		50	28	18.83	19.07	19.02	20.20
	DFT-s-OFDM QPSK	50	56	18.83	18.85	18.99	20.20
		100	0	19.28	19.05	19.23	20.20
		1	1	19.10	18.93	19.07	20.20
	DFT-s-OFDM 16QAM	1	1	19.10	18.93	19.07	20.20
	DFT-s-OFDM 64QAM	1	1	19.05	18.96	19.11	20.20
DFT-s-OFDM 256QAM	1	1	17.74	17.60	17.77	18.70	
CP-OFDM QPSK	1	1	19.17	19.21	19.06	20.20	
CP-OFDM 16QAM	1	1	19.31	19.43	19.55	20.20	
CP-OFDM 64QAM	1	1	18.28	18.31	18.18	19.70	
CP-OFDM 256QAM	1	1	15.12	15.02	15.05	16.70	

N38-ANT2 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	21.03	21.04	21.13	22.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	21.09	21.07	21.11	22.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	21.03	21.05	21.08	22.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	20.99	21.15	21.10	22.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	21.27	21.13	21.02	22.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	21.18	21.34	21.12	22.20
		1	53	21.16	21.23	21.08	22.20
		1	104	21.05	21.09	21.01	22.20
	DFT-s-OFDM BPSK	50	0	21.01	21.19	21.02	22.20
		50	28	21.09	21.18	21.19	22.20
		50	56	21.04	21.08	20.88	22.20
	DFT-s-OFDM BPSK	100	0	21.14	21.17	21.11	22.20
	DFT-s-OFDM QPSK	1	1	21.50	21.17	21.08	22.20
		1	53	21.20	21.30	20.95	22.20
		1	104	20.91	21.23	21.12	22.20
	DFT-s-OFDM QPSK	50	0	20.96	21.06	20.90	22.20
		50	28	21.18	21.15	21.13	22.20
		50	56	21.02	21.21	20.78	22.20
	DFT-s-OFDM QPSK	100	0	21.10	21.08	21.20	22.20
	DFT-s-OFDM 16QAM	1	1	20.57	20.41	20.54	22.20
	DFT-s-OFDM 64QAM	1	1	18.93	18.97	19.04	20.70
	DFT-s-OFDM 256QAM	1	1	17.47	17.60	17.62	18.70
CP-OFDM QPSK	1	1	20.22	20.18	20.01	21.70	
CP-OFDM 16QAM	1	1	19.78	19.88	19.71	21.20	
CP-OFDM 64QAM	1	1	18.41	18.29	18.20	19.70	
CP-OFDM 256QAM	1	1	15.02	15.01	15.07	16.70	

8.6.4 NR Band38 Output Power

N38-ANT2 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	21.56	21.67	21.59	23.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	21.47	21.66	21.76	23.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	21.65	21.62	21.58	23.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	21.82	21.84	21.44	23.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	21.82	21.71	21.56	23.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	21.87	21.73	21.66	23.20
		1	53	21.74	21.70	21.68	23.20
		1	104	21.60	21.56	21.52	23.20
	DFT-s-OFDM BPSK	50	0	21.59	21.46	21.51	23.20
		50	28	21.62	21.66	21.60	23.20
		50	56	21.20	21.27	21.20	23.20
	DFT-s-OFDM BPSK	100	0	21.30	21.16	21.07	22.20
		1	1	22.07	21.65	21.63	23.20
		1	53	21.68	21.86	21.68	23.20
	DFT-s-OFDM QPSK	1	104	21.64	21.37	21.68	23.20
		50	0	21.21	21.27	21.26	23.20
		50	28	21.69	21.61	21.66	23.20
	DFT-s-OFDM QPSK	50	56	21.22	21.28	21.25	23.20
		100	0	21.39	21.10	21.10	22.20
		1	1	20.42	20.41	20.27	22.20
	DFT-s-OFDM 16QAM	1	1	20.42	20.41	20.27	22.20
	DFT-s-OFDM 64QAM	1	1	19.14	18.99	19.18	20.70
	DFT-s-OFDM 256QAM	1	1	17.39	17.59	17.47	18.70
	CP-OFDM QPSK	1	1	20.07	20.19	20.38	21.70
	CP-OFDM 16QAM	1	1	20.02	19.91	19.94	21.20
CP-OFDM 64QAM	1	1	18.25	18.30	18.45	19.70	
CP-OFDM 256QAM	1	1	14.96	15.01	14.94	16.70	

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Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	17.16	16.96	16.85	18.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	17.16	16.82	17.01	18.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	17.15	16.98	17.00	18.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	17.18	16.82	16.96	18.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	17.09	16.96	16.94	18.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	17.11	17.32	17.15	18.20
		1	53	17.14	17.19	17.32	18.20
		1	104	17.25	17.27	17.23	18.20
	DFT-s-OFDM BPSK	50	0	17.17	17.26	17.08	18.20
		50	28	17.15	17.01	17.31	18.20
		50	56	17.11	17.12	17.19	18.20
	DFT-s-OFDM BPSK	100	0	17.35	17.01	17.06	18.20
		1	1	17.27	17.05	17.24	18.20
		1	53	17.23	17.16	17.13	18.20
	DFT-s-OFDM QPSK	1	104	17.34	17.12	17.33	18.20
		50	0	17.11	17.31	17.24	18.20
		50	28	17.21	17.04	17.40	18.20
	DFT-s-OFDM QPSK	50	56	17.17	17.28	17.31	18.20
		100	0	17.14	17.28	17.29	18.20
		1	1	17.40	17.36	17.14	18.20
	DFT-s-OFDM 16QAM	1	1	17.40	17.36	17.14	18.20
	DFT-s-OFDM 64QAM	1	1	17.28	17.28	17.28	18.20
DFT-s-OFDM 256QAM	1	1	17.35	17.26	17.37	18.20	
CP-OFDM QPSK	1	1	17.35	17.23	17.30	18.20	
CP-OFDM 16QAM	1	1	17.00	17.19	17.40	18.20	
CP-OFDM 64QAM	1	1	17.37	17.26	17.03	18.20	
CP-OFDM 256QAM	1	1	14.95	15.02	14.89	16.70	

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Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	20.39	20.17	20.12	21.20
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	20.13	20.00	20.08	21.20
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	20.02	20.18	20.32	21.20
Bandwidth (MHz)	Modulation	Channel		516500	519000	521500	Tune-up power(dB)
		RB Size	RB offset	2582.5	2595	2607.5	
25	DFT-s-OFDM BPSK	1	1	20.14	20.28	20.22	21.20
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	20.32	20.34	20.24	21.20
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	20.32	20.31	20.19	21.20
		1	53	20.28	20.01	20.40	21.20
		1	104	20.01	20.24	20.07	21.20
	DFT-s-OFDM BPSK	50	0	20.20	20.12	20.03	21.20
		50	28	20.28	20.11	20.13	21.20
		50	56	20.38	20.40	20.27	21.20
	DFT-s-OFDM BPSK	100	0	20.30	20.23	20.02	21.20
		1	1	20.29	20.40	20.28	21.20
	DFT-s-OFDM QPSK	1	53	20.10	20.39	20.05	21.20
		1	104	20.32	20.13	20.22	21.20
		50	0	20.18	20.15	20.03	21.20
	DFT-s-OFDM QPSK	50	28	20.14	20.00	20.24	21.20
		50	56	20.06	20.28	20.12	21.20
		100	0	20.17	20.07	20.22	21.20
	DFT-s-OFDM 16QAM	1	1	20.29	20.26	20.24	21.20
	DFT-s-OFDM 64QAM	1	1	19.71	19.89	19.74	20.70
DFT-s-OFDM 256QAM	1	1	17.60	17.69	17.51	18.70	
CP-OFDM QPSK	1	1	20.25	20.02	20.25	21.20	
CP-OFDM 16QAM	1	1	20.40	20.29	20.03	21.20	
CP-OFDM 64QAM	1	1	18.71	18.63	18.71	19.70	
CP-OFDM 256QAM	1	1	14.98	15.02	14.87	16.70	

8.6.5 NR Band41 Output Power

N41-ANT0 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.17	23.24	23.21	23.25	23.24	24.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.22	23.27	23.23	23.15	23.30	24.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.32	23.13	23.10	23.28	23.29	24.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.38	23.11	23.28	23.28	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	23.25	23.02	23.11	23.21	23.21	24.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.24	23.02	23.27	23.22	23.16	24.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	23.18	22.94	22.99	23.10	23.17	24.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.18	23.03	23.06	23.18	23.18	24.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	23.13	22.99	23.17	23.20	23.11	24.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	23.24	23.03	23.19	23.18	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.28	23.11	23.28	23.36	23.42	24.20
		1	137	23.23	23.35	23.57	23.59	23.53	24.20
		1	271	23.52	23.55	23.68	23.77	23.63	24.20
	DFT-s-OFDM BPSK	135	0	22.85	23.03	23.01	22.97	23.19	24.20
		135	69	23.47	23.50	23.69	23.42	23.52	24.20
		135	138	23.27	23.06	23.13	23.13	23.06	24.20
	DFT-s-OFDM BPSK	270	0	22.92	23.04	22.97	23.13	22.96	23.20
		1	1	23.29	23.11	23.18	23.50	23.41	24.20
		1	137	23.14	23.21	23.77	23.40	23.55	24.20
	DFT-s-OFDM QPSK	1	271	23.61	23.51	23.58	23.66	23.55	24.20
		135	0	22.84	22.97	23.12	22.86	23.09	24.20
		135	69	23.88	23.90	23.58	23.60	23.92	24.20
	DFT-s-OFDM QPSK	135	138	23.25	23.23	23.27	22.99	23.06	24.20
		270	0	23.03	22.98	22.96	23.10	22.85	23.20
	DFT-s-OFDM 16QAM	1	1	22.11	21.91	21.95	21.98	21.97	23.20
	DFT-s-OFDM 64QAM	1	1	20.41	20.41	20.45	20.45	20.29	21.70
	DFT-s-OFDM 256QAM	1	1	18.95	19.17	19.14	19.26	19.30	19.70
	CP-OFDM QPSK	1	1	21.63	21.78	21.75	21.69	21.94	22.70
	CP-OFDM 16QAM	1	1	21.59	21.33	21.52	21.57	21.43	22.20
	CP-OFDM 64QAM	1	1	19.72	20.05	19.89	19.92	19.95	20.70
CP-OFDM 256QAM	1	1	16.61	16.68	16.61	16.73	16.80	17.70	

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Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	20.67	20.57	20.60	20.59	20.70	21.95
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	20.65	20.68	20.69	20.66	20.59	21.95
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	20.47	20.67	20.52	20.65	20.64	21.95
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	20.67	20.68	20.84	20.69	20.74	21.95
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	20.50	20.51	20.59	20.70	20.60	21.95
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	20.71	20.73	20.68	20.78	20.68	21.95
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	20.68	20.72	20.57	20.71	20.61	21.95
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	20.76	20.75	20.68	20.71	20.78	21.95
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	20.57	20.72	20.48	20.73	20.57	21.95
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	20.73	20.77	20.76	20.77	20.74	21.95
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	20.75	20.66	20.72	20.85	20.90	21.95
		1	137	20.73	20.84	20.98	21.02	21.14	21.95
		1	271	20.95	20.96	21.05	21.16	21.07	21.95
	DFT-s-OFDM BPSK	135	0	21.19	21.09	21.03	21.19	21.22	21.95
		135	69	21.12	21.35	21.18	21.37	21.31	21.95
		135	138	21.10	21.26	21.16	21.08	21.19	21.95
	DFT-s-OFDM BPSK	270	0	20.94	21.08	21.01	20.85	21.00	21.95
	DFT-s-OFDM QPSK	1	1	20.59	20.86	20.62	20.85	20.73	21.95
		1	137	20.59	20.81	20.83	21.07	21.03	21.95
		1	271	20.77	21.09	21.14	21.02	21.19	21.95
	DFT-s-OFDM QPSK	135	0	21.39	21.05	20.92	21.23	21.21	21.95
		135	69	21.55	21.20	21.11	21.37	21.14	21.95
		135	138	20.95	21.25	21.01	21.28	21.12	21.95
	DFT-s-OFDM QPSK	270	0	20.89	21.26	21.04	20.99	21.00	21.95
	DFT-s-OFDM 16QAM	1	1	20.60	20.23	20.43	20.29	20.35	21.95
	DFT-s-OFDM 64QAM	1	1	20.40	20.55	20.48	20.45	20.62	21.70
	DFT-s-OFDM 256QAM	1	1	19.22	18.96	19.13	18.93	19.06	19.70
CP-OFDM QPSK	1	1	20.61	20.92	20.77	20.66	20.67	21.95	
CP-OFDM 16QAM	1	1	21.10	20.92	21.01	21.05	21.04	21.95	
CP-OFDM 64QAM	1	1	19.90	19.89	19.84	19.76	19.81	20.70	
CP-OFDM 256QAM	1	1	16.56	16.44	16.59	16.47	16.39	17.70	

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Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.17	23.24	23.21	23.25	23.24	24.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.22	23.27	23.23	23.15	23.30	24.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.32	23.13	23.10	23.28	23.29	24.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.38	23.11	23.28	23.28	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	23.25	23.02	23.11	23.21	23.21	24.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.24	23.02	23.27	23.22	23.16	24.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	23.18	22.94	22.99	23.10	23.17	24.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.18	23.03	23.06	23.18	23.18	24.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	23.13	22.99	23.17	23.20	23.11	24.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	23.24	23.03	23.19	23.18	23.26	24.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.28	23.11	23.28	23.36	23.42	24.20
		1	137	23.23	23.35	23.57	23.59	23.53	24.20
		1	271	23.52	23.55	23.68	23.67	23.63	24.20
	DFT-s-OFDM BPSK	135	0	22.85	23.03	23.01	22.97	23.19	24.20
		135	69	23.47	23.50	23.69	23.42	23.52	24.20
		135	138	23.27	23.06	23.13	23.13	23.06	24.20
	DFT-s-OFDM BPSK	270	0	22.92	23.04	22.97	23.13	22.96	23.20
	DFT-s-OFDM QPSK	1	1	23.29	23.11	23.18	23.50	23.41	24.20
		1	137	23.14	23.21	23.77	23.40	23.55	24.20
		1	271	23.61	23.51	23.58	23.66	23.55	24.20
	DFT-s-OFDM QPSK	135	0	22.84	22.97	23.12	22.86	23.09	24.20
		135	69	23.88	23.90	23.58	23.60	23.92	24.20
		135	138	23.25	23.23	23.27	22.99	23.06	24.20
	DFT-s-OFDM QPSK	270	0	23.03	22.98	22.96	23.10	22.85	23.20
	DFT-s-OFDM 16QAM	1	1	22.11	21.91	21.95	21.98	21.97	23.20
	DFT-s-OFDM 64QAM	1	1	20.41	20.41	20.45	20.45	20.29	21.70
	DFT-s-OFDM 256QAM	1	1	18.95	19.17	19.14	19.26	19.30	19.70
CP-OFDM QPSK	1	1	21.63	21.78	21.75	21.69	21.94	22.70	
CP-OFDM 16QAM	1	1	21.59	21.33	21.52	21.57	21.43	22.20	
CP-OFDM 64QAM	1	1	19.72	20.05	19.89	19.92	19.95	20.70	
CP-OFDM 256QAM	1	1	16.61	16.68	16.61	16.73	16.80	17.70	

8.6.5 NR Band41 Output Power

N41-ANT1 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.01	22.84	22.84	22.53	22.75	24.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.01	22.95	23.01	23.01	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.12	23.15	22.85	23.04	22.86	24.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.01	23.31	23.10	23.01	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	23.13	23.25	22.80	23.03	23.08	24.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.23	23.00	22.99	22.90	23.02	24.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	23.18	23.11	22.89	22.85	23.17	24.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.25	22.97	22.74	22.86	23.15	24.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	23.11	22.94	23.11	22.93	23.11	24.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	23.34	22.94	22.84	22.92	22.89	24.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.22	22.99	23.04	23.07	23.06	24.20
		1	137	23.05	23.09	23.19	23.17	23.32	24.20
		1	271	23.16	23.19	23.27	23.29	23.32	24.20
	DFT-s-OFDM BPSK	135	0	22.48	22.82	22.65	22.50	22.61	24.20
		135	69	23.18	23.16	23.29	23.35	23.23	24.20
	DFT-s-OFDM BPSK	135	138	22.63	22.93	22.73	22.82	22.59	24.20
		270	0	22.73	22.81	22.61	22.61	22.59	23.20
	DFT-s-OFDM QPSK	1	1	23.18	23.14	22.92	22.95	22.98	24.20
		1	137	23.20	23.06	23.37	23.37	23.14	24.20
		1	271	23.33	23.03	23.10	23.39	23.47	24.20
	DFT-s-OFDM QPSK	135	0	22.35	23.01	22.51	22.40	22.70	24.20
		135	69	23.04	23.25	23.26	23.23	23.07	24.20
		135	138	22.71	22.81	22.56	22.64	22.71	24.20
	DFT-s-OFDM QPSK	270	0	22.86	22.61	22.74	22.69	22.58	23.20
	DFT-s-OFDM 16QAM	1	1	21.54	21.55	21.68	21.87	21.67	23.20
	DFT-s-OFDM 64QAM	1	1	20.19	20.22	20.21	20.07	20.41	21.70
	DFT-s-OFDM 256QAM	1	1	19.05	19.01	18.92	18.82	18.84	19.70
	CP-OFDM QPSK	1	1	21.66	21.68	21.48	21.36	21.65	22.70
	CP-OFDM 16QAM	1	1	21.28	21.46	21.33	21.35	21.42	22.20
	CP-OFDM 64QAM	1	1	19.48	19.49	19.61	19.44	19.77	20.70
CP-OFDM 256QAM	1	1	16.18	16.15	16.35	16.32	16.32	17.70	

N41-ANT1 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	18.53	18.48	18.79	18.68	18.74	19.95
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	18.58	18.73	18.62	18.66	18.58	19.95
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	18.93	18.56	18.35	18.21	18.44	19.95
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	18.59	18.72	18.48	18.46	18.62	19.95
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	18.69	18.67	18.62	18.52	18.39	19.95
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	18.62	18.66	18.56	18.34	18.38	19.95
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	18.76	18.84	18.41	18.26	18.37	19.95
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	18.71	18.70	18.70	18.23	18.26	19.95
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	18.71	18.93	18.57	18.36	18.44	19.95
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	18.76	18.60	18.41	18.53	18.43	19.95
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	18.72	18.57	18.55	18.51	18.55	19.95
		1	137	18.63	18.64	18.76	18.81	18.80	19.95
		1	271	18.66	18.66	18.65	18.75	18.88	19.95
	DFT-s-OFDM BPSK	135	0	18.76	18.66	18.75	18.94	18.71	19.95
		135	69	18.69	19.02	18.84	18.97	18.84	19.95
		135	138	18.84	18.81	18.82	18.98	19.08	19.95
	DFT-s-OFDM BPSK	270	0	18.54	18.76	18.86	18.69	18.70	19.95
		1	1	18.74	18.75	18.54	18.34	18.44	19.95
		1	137	18.47	18.59	18.81	18.62	18.86	19.95
	DFT-s-OFDM QPSK	1	271	18.65	18.74	18.80	18.66	18.70	19.95
		135	0	18.77	18.74	18.60	18.93	18.84	19.95
		135	69	18.58	19.00	18.77	18.85	18.96	19.95
	DFT-s-OFDM QPSK	135	138	18.71	18.71	18.87	19.05	19.00	19.95
		270	0	18.74	18.96	18.84	18.78	18.70	19.95
		270	0	18.74	18.96	18.84	18.78	18.70	19.95
	DFT-s-OFDM 16QAM	1	1	18.08	18.09	18.24	18.28	18.13	19.95
	DFT-s-OFDM 64QAM	1	1	18.25	18.14	18.30	18.33	18.32	19.95
	DFT-s-OFDM 256QAM	1	1	18.96	18.79	18.93	19.05	18.95	19.70
	CP-OFDM QPSK	1	1	18.40	18.52	18.57	18.44	18.49	19.95
	CP-OFDM 16QAM	1	1	18.99	18.79	18.83	18.81	18.88	19.95
CP-OFDM 64QAM	1	1	18.85	18.87	18.68	18.78	18.49	19.95	
CP-OFDM 256QAM	1	1	16.34	16.24	16.43	16.63	16.37	17.70	

N41-ANT1 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	16.67	16.37	16.53	16.46	16.50	17.95
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	16.60	16.36	16.55	16.46	16.59	17.95
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	16.41	16.50	16.66	16.34	16.32	17.95
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	16.48	16.73	16.46	16.59	16.69	17.95
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	16.72	16.66	16.46	16.26	16.67	17.95
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	16.41	16.67	16.47	16.50	16.46	17.95
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	16.39	16.43	16.65	16.39	16.51	17.95
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	16.62	16.47	16.67	16.51	16.43	17.95
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	16.61	16.62	16.58	16.44	16.68	17.95
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	16.66	16.38	16.29	16.47	16.46	17.95
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.66	16.50	16.72	16.45	16.53	17.95
		1	137	16.54	16.55	16.65	16.66	16.67	17.95
		1	271	16.58	16.61	16.62	16.67	16.67	17.95
	DFT-s-OFDM BPSK	135	0	16.56	16.83	16.69	16.58	16.53	17.95
		135	69	16.66	16.68	16.89	16.82	16.98	17.95
	DFT-s-OFDM BPSK	135	138	16.86	16.82	16.75	16.68	16.78	17.95
		270	0	16.67	16.68	16.71	16.48	16.68	17.95
	DFT-s-OFDM QPSK	1	1	16.55	16.55	16.48	16.45	16.50	17.95
		1	137	16.40	16.70	16.78	16.86	16.75	17.95
		1	271	16.40	16.71	16.47	16.49	16.73	17.95
	DFT-s-OFDM QPSK	135	0	16.46	16.79	16.76	16.70	16.65	17.95
		135	69	16.75	16.59	16.72	16.76	16.95	17.95
		135	138	16.88	16.88	16.67	16.56	16.91	17.95
	DFT-s-OFDM QPSK	270	0	16.65	16.57	16.65	16.33	16.76	17.95
	DFT-s-OFDM 16QAM	1	1	16.07	16.28	16.26	16.29	16.19	17.95
	DFT-s-OFDM 64QAM	1	1	16.17	16.44	16.27	16.17	16.34	17.95
	DFT-s-OFDM 256QAM	1	1	16.88	16.80	16.97	17.00	17.07	17.95
	CP-OFDM QPSK	1	1	16.51	16.65	16.60	16.75	16.76	17.95
	CP-OFDM 16QAM	1	1	16.64	16.89	16.82	16.78	16.72	17.95
	CP-OFDM 64QAM	1	1	16.57	16.89	16.73	16.90	16.59	17.95
CP-OFDM 256QAM	1	1	16.31	16.55	16.44	16.44	16.60	17.70	

8.6.5 NR Band41 Output Power

N41-ANT1 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.01	22.84	22.84	22.53	22.75	24.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.01	22.95	23.01	23.01	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.12	23.15	22.85	23.04	22.86	24.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.01	23.31	23.10	23.01	23.00	24.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	23.13	23.25	22.80	23.03	23.08	24.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.23	23.00	22.99	22.90	23.02	24.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	23.18	23.11	22.89	22.85	23.17	24.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.25	22.97	22.74	22.86	23.15	24.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	23.11	22.94	23.11	22.93	23.11	24.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	23.34	22.94	22.84	22.92	22.89	24.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.22	22.99	23.04	23.07	23.06	24.20
		1	137	23.05	23.09	23.19	23.17	23.32	24.20
		1	271	23.16	23.19	23.27	23.29	23.32	24.20
	DFT-s-OFDM BPSK	135	0	22.48	22.82	22.65	22.50	22.61	24.20
		135	69	23.18	23.16	23.29	23.35	23.23	24.20
		135	138	22.63	22.93	22.73	22.82	22.59	24.20
	DFT-s-OFDM BPSK	270	0	22.73	22.81	22.61	22.61	22.59	23.20
		1	1	23.18	23.14	22.92	22.95	22.98	24.20
	DFT-s-OFDM QPSK	1	137	23.20	23.06	23.37	23.37	23.14	24.20
		1	271	23.33	23.03	23.10	23.39	23.47	24.20
	DFT-s-OFDM QPSK	135	0	22.35	23.01	22.51	22.40	22.70	24.20
		135	69	23.04	23.25	23.26	23.23	23.07	24.20
		135	138	22.71	22.81	22.56	22.64	22.71	24.20
	DFT-s-OFDM QPSK	270	0	22.86	22.61	22.74	22.69	22.58	23.20
	DFT-s-OFDM 16QAM	1	1	21.54	21.55	21.68	21.87	21.67	23.20
	DFT-s-OFDM 64QAM	1	1	20.19	20.22	20.21	20.07	20.41	21.70
	DFT-s-OFDM 256QAM	1	1	19.05	19.01	18.92	18.82	18.84	19.70
	CP-OFDM QPSK	1	1	21.66	21.68	21.48	21.36	21.65	22.70
	CP-OFDM 16QAM	1	1	21.28	21.46	21.33	21.35	21.42	22.20
	CP-OFDM 64QAM	1	1	19.48	19.49	19.61	19.44	19.77	20.70
CP-OFDM 256QAM	1	1	16.18	16.15	16.35	16.32	16.32	17.70	

N41-ANT1 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	16.67	16.37	16.53	16.46	16.50	17.95
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	16.60	16.36	16.55	16.46	16.59	17.95
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	16.41	16.50	16.66	16.34	16.32	17.95
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	16.48	16.73	16.46	16.59	16.69	17.95
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	16.72	16.66	16.46	16.26	16.67	17.95
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	16.41	16.67	16.47	16.50	16.46	17.95
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	16.39	16.43	16.65	16.39	16.51	17.95
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	16.62	16.47	16.67	16.51	16.43	17.95
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	16.61	16.62	16.58	16.44	16.68	17.95
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	16.66	16.38	16.29	16.47	16.46	17.95
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.66	16.50	16.72	16.45	16.53	17.95
		1	137	16.54	16.55	16.65	16.66	16.67	17.95
		1	271	16.58	16.61	16.62	16.67	16.67	17.95
	DFT-s-OFDM BPSK	135	0	16.56	16.83	16.69	16.58	16.53	17.95
		135	69	16.66	16.68	16.89	16.82	16.98	17.95
		135	138	16.86	16.82	16.75	16.68	16.78	17.95
	DFT-s-OFDM BPSK	270	0	16.67	16.68	16.71	16.48	16.68	17.95
		1	1	16.55	16.55	16.48	16.45	16.50	17.95
	DFT-s-OFDM QPSK	1	137	16.40	16.70	16.78	16.86	16.75	17.95
		1	271	16.40	16.71	16.47	16.49	16.73	17.95
		135	0	16.46	16.79	16.76	16.70	16.65	17.95
	DFT-s-OFDM QPSK	135	69	16.75	16.59	16.72	16.76	16.95	17.95
		135	138	16.88	16.88	16.67	16.56	16.91	17.95
		270	0	16.65	16.57	16.65	16.33	16.76	17.95
	DFT-s-OFDM 16QAM	1	1	16.07	16.28	16.26	16.29	16.19	17.95
	DFT-s-OFDM 64QAM	1	1	16.17	16.44	16.27	16.17	16.34	17.95
	DFT-s-OFDM 256QAM	1	1	16.88	16.80	16.97	17.00	17.07	17.95
CP-OFDM QPSK	1	1	16.51	16.65	16.60	16.75	16.76	17.95	
CP-OFDM 16QAM	1	1	16.64	16.89	16.82	16.78	16.72	17.95	
CP-OFDM 64QAM	1	1	16.57	16.89	16.73	16.90	16.59	17.95	
CP-OFDM 256QAM	1	1	16.31	16.55	16.44	16.44	16.60	17.70	

N41-ANT1 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	15.69	15.93	15.98	15.61	15.85	16.95
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	15.83	15.86	15.98	15.59	15.83	16.95
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	15.96	15.81	15.95	15.82	15.54	16.95
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	15.67	15.76	16.13	15.49	15.61	16.95
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	15.84	15.94	16.31	15.75	15.78	16.95
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	15.91	15.90	16.27	15.54	15.79	16.95
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	15.95	15.84	16.14	15.66	15.82	16.95
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	15.74	15.68	16.24	15.49	15.86	16.95
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	15.79	15.80	16.03	15.49	15.77	16.95
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	15.97	15.67	16.20	15.75	15.82	16.95
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	15.93	15.84	16.22	15.77	15.77	16.95
		1	137	16.02	16.15	16.10	15.94	16.09	16.95
		1	271	16.13	16.13	16.16	16.12	16.04	16.95
	DFT-s-OFDM BPSK	135	0	15.89	16.05	16.07	16.18	15.77	16.95
		135	69	16.00	15.98	16.25	16.21	16.57	16.95
		135	138	16.07	16.40	16.10	15.99	16.32	16.95
	DFT-s-OFDM BPSK	270	0	16.09	16.05	16.21	15.72	15.98	16.95
		1	1	16.08	16.08	15.89	15.84	15.73	16.95
	DFT-s-OFDM QPSK	1	137	15.65	16.15	16.21	16.30	16.34	16.95
		1	271	16.00	16.00	15.84	15.90	16.10	16.95
	DFT-s-OFDM QPSK	135	0	15.72	16.22	16.04	16.09	16.00	16.95
		135	69	16.27	15.96	16.02	16.14	16.32	16.95
		135	138	16.22	16.16	16.00	15.79	16.15	16.95
	DFT-s-OFDM QPSK	270	0	16.01	15.77	15.96	15.58	16.35	16.95
	DFT-s-OFDM 16QAM	1	1	15.28	15.48	15.64	15.64	15.60	16.95
	DFT-s-OFDM 64QAM	1	1	15.58	15.76	15.56	15.65	15.71	16.95
	DFT-s-OFDM 256QAM	1	1	16.21	16.19	16.47	16.42	16.27	16.95
	CP-OFDM QPSK	1	1	15.84	16.16	15.82	16.05	16.23	16.95
CP-OFDM 16QAM	1	1	15.95	16.33	16.21	16.07	16.28	16.95	
CP-OFDM 64QAM	1	1	16.12	16.18	16.21	16.32	16.00	16.95	
CP-OFDM 256QAM	1	1	15.70	15.99	15.90	15.80	15.85	16.95	

8.6.5 NR Band41 Output Power

N41-ANT4 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	22.67	22.29	22.34	21.76	21.42	23.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	22.45	22.32	21.53	21.43	21.39	23.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	22.57	22.25	22.02	21.76	21.45	23.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	22.55	22.32	21.83	21.53	21.47	23.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	22.55	22.26	22.10	21.72	21.52	23.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2567.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	22.46	22.22	21.82	21.73	21.32	23.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	22.55	22.22	22.02	21.83	21.25	23.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	22.48	22.25	21.94	21.77	21.24	23.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	22.48	22.23	21.84	21.83	21.34	23.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	22.38	22.10	22.14	21.69	21.20	23.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.54	22.29	22.10	21.84	21.48	23.20
		1	137	22.08	21.81	21.54	21.42	21.49	23.20
		1	271	21.46	21.41	21.46	21.39	21.43	23.20
	DFT-s-OFDM BPSK	135	0	21.22	21.24	21.25	21.28	21.23	23.20
		135	69	21.69	21.80	21.62	21.44	21.65	23.20
		135	138	21.46	21.49	21.54	21.53	21.50	23.20
	DFT-s-OFDM BPSK	270	0	20.93	20.97	21.11	21.28	21.28	22.20
		1	1	22.73	22.23	21.96	21.70	21.39	23.20
		1	137	22.03	21.74	21.69	21.55	21.68	23.20
	DFT-s-OFDM QPSK	1	271	21.26	21.46	21.59	21.51	21.23	23.20
		135	0	21.40	21.47	21.27	21.23	21.28	23.20
		135	69	21.56	21.94	21.63	21.55	21.54	23.20
	DFT-s-OFDM QPSK	135	138	21.45	21.45	21.53	21.42	21.45	23.20
		270	0	20.95	21.10	21.24	21.16	21.30	22.20
		1	1	20.71	20.56	20.70	20.71	20.89	22.20
	DFT-s-OFDM 16QAM	1	1	19.27	19.15	19.28	19.36	19.35	20.70
	DFT-s-OFDM 64QAM	1	1	17.73	17.72	17.86	17.87	18.01	18.70
	CP-OFDM QPSK	1	1	20.70	20.57	20.51	20.52	20.51	21.70
CP-OFDM 16QAM	1	1	20.45	20.42	20.37	20.51	20.19	21.20	
CP-OFDM 64QAM	1	1	18.51	18.66	18.63	18.82	18.74	19.70	
CP-OFDM 256QAM	1	1	15.50	15.34	15.43	15.52	15.55	16.70	

N41-ANT4 State1&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	18.54	18.48	17.95	17.60	17.85	19.45
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	18.78	18.28	18.09	17.62	17.82	19.45
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	18.76	18.82	18.37	18.18	17.88	19.45
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	18.60	19.03	18.75	18.27	17.85	19.45
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	18.84	18.95	18.36	18.20	17.93	19.45
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	18.74	19.03	18.45	18.42	18.08	19.45
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	18.77	19.10	18.41	18.29	17.89	19.45
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	18.68	18.84	18.49	18.30	17.90	19.45
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	18.56	19.04	18.55	18.46	18.09	19.45
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	18.59	18.84	18.62	18.49	17.86	19.45
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	18.79	18.82	18.62	18.21	17.95	19.45
		1	137	18.74	18.33	18.01	17.79	17.77	19.45
		1	271	17.91	17.78	17.70	17.71	17.71	19.45
	DFT-s-OFDM BPSK	135	0	18.12	18.53	18.42	18.28	18.28	19.45
		135	69	18.18	18.28	18.13	18.08	18.20	19.45
		135	138	17.90	17.82	17.86	17.66	17.96	19.45
	DFT-s-OFDM BPSK	270	0	17.98	18.20	18.12	18.06	18.09	19.45
		1	1	18.73	18.93	18.56	18.35	17.98	19.45
		1	137	18.76	18.46	18.08	17.86	17.92	19.45
	DFT-s-OFDM QPSK	1	271	17.81	17.67	17.69	17.58	17.59	19.45
		135	0	18.34	18.31	18.50	18.42	18.29	19.45
		135	69	18.18	18.36	18.13	18.23	18.03	19.45
	DFT-s-OFDM QPSK	135	138	17.82	17.84	17.92	17.71	17.93	19.45
		270	0	17.83	18.15	18.30	18.05	18.26	19.45
		1	1	18.39	18.47	18.31	18.24	18.43	19.45
	DFT-s-OFDM 16QAM	1	1	18.29	18.31	18.37	18.40	18.23	19.45
	DFT-s-OFDM 256QAM	1	1	18.06	17.99	18.02	18.13	18.19	18.70
CP-OFDM QPSK	1	1	18.75	18.62	18.61	18.41	18.72	19.45	
CP-OFDM 16QAM	1	1	19.04	18.93	18.88	18.86	18.93	19.45	
CP-OFDM 64QAM	1	1	18.72	18.77	18.73	18.72	18.65	19.45	
CP-OFDM 256QAM	1	1	15.40	15.32	15.51	15.44	15.66	16.70	

N41-ANT4 State2&4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	21.47	21.29	21.16	21.10	20.90	22.70
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	21.47	21.30	20.85	21.09	21.09	22.70
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	22.15	21.85	21.48	21.64	20.70	22.70
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	22.21	22.03	21.46	21.47	21.03	22.70
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	22.19	21.84	21.31	21.68	20.88	22.70
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2567.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	21.99	21.81	21.34	21.49	20.90	22.70
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	22.10	21.98	21.65	21.44	21.06	22.70
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	22.14	21.86	21.56	21.55	20.85	22.70
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	22.21	22.02	21.50	21.56	20.86	22.70
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	21.83	21.97	21.56	21.73	20.93	22.70
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.02	21.79	21.69	21.33	21.03	22.70
		1	137	21.59	21.28	21.05	20.94	20.93	22.70
		1	271	21.00	20.92	20.92	20.89	20.93	22.70
	DFT-s-OFDM BPSK	135	0	21.52	21.46	21.41	21.32	21.42	22.70
		135	69	21.31	21.10	21.17	21.15	21.16	22.70
		135	138	21.03	21.08	20.95	21.09	21.13	22.70
	DFT-s-OFDM BPSK	270	0	21.05	21.04	21.13	21.27	20.94	22.70
		1	1	22.01	21.87	21.47	21.53	20.88	22.70
	DFT-s-OFDM QPSK	1	137	21.40	21.11	21.12	21.09	21.03	22.70
		1	271	20.90	21.02	20.75	21.00	21.12	22.70
		135	0	21.31	21.49	21.24	21.41	21.26	22.70
	DFT-s-OFDM QPSK	135	69	21.32	21.09	21.13	21.15	21.02	22.70
		135	138	21.12	20.99	21.04	21.02	21.30	22.70
		270	0	21.05	21.21	21.28	21.16	20.99	22.20
	DFT-s-OFDM 16QAM	1	1	20.82	20.63	20.75	21.08	20.88	22.20
	DFT-s-OFDM 64QAM	1	1	19.31	19.41	19.35	19.19	19.46	20.70
DFT-s-OFDM 256QAM	1	1	17.86	18.00	17.93	18.12	18.02	18.70	
CP-OFDM QPSK	1	1	20.77	20.52	20.61	20.50	20.57	21.70	
CP-OFDM 16QAM	1	1	20.44	20.52	20.34	20.32	20.14	21.20	
CP-OFDM 64QAM	1	1	18.84	18.61	18.65	18.47	18.49	19.70	
CP-OFDM 256QAM	1	1	15.56	15.44	15.43	15.36	15.37	16.70	

8.6.5 NR Band41 Output Power

N41-ANT4 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	2501.01	2547	2592.99	2638.99	2685	23.20
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	22.45	22.32	21.53	21.43	21.39	23.20
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	22.57	22.25	22.02	21.76	21.45	23.20
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	22.55	22.32	21.83	21.53	21.47	23.20
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	22.55	22.26	22.10	21.72	21.52	23.20
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	22.46	22.22	21.82	21.73	21.32	23.20
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	22.55	22.22	22.02	21.83	21.25	23.20
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	22.48	22.25	21.94	21.77	21.24	23.20
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	22.48	22.23	21.84	21.83	21.34	23.20
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	22.38	22.10	22.14	21.69	21.20	23.20
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	22.54	22.29	22.10	21.84	21.48	23.20
		1	137	22.08	21.81	21.54	21.42	21.49	23.20
		1	271	21.46	21.41	21.46	21.39	21.43	23.20
	DFT-s-OFDM BPSK	135	0	21.22	21.24	21.25	21.28	21.23	23.20
		135	69	21.69	21.80	21.62	21.44	21.65	23.20
		135	138	21.46	21.49	21.54	21.53	21.50	23.20
	DFT-s-OFDM BPSK	270	0	20.93	20.97	21.11	21.28	21.28	22.20
		1	1	22.73	22.23	21.96	21.70	21.39	23.20
		1	137	22.03	21.74	21.69	21.55	21.68	23.20
	DFT-s-OFDM QPSK	1	271	21.26	21.46	21.59	21.51	21.23	23.20
		135	0	21.40	21.47	21.27	21.23	21.28	23.20
		135	69	21.56	21.94	21.63	21.55	21.54	23.20
	DFT-s-OFDM QPSK	135	138	21.45	21.45	21.53	21.42	21.45	23.20
		270	0	20.95	21.10	21.24	21.16	21.30	22.20
		1	1	20.71	20.56	20.70	20.71	20.89	22.20
	DFT-s-OFDM 16QAM	1	1	20.71	20.56	20.70	20.71	20.89	22.20
	DFT-s-OFDM 64QAM	1	1	19.27	19.15	19.28	19.36	19.35	20.70
	DFT-s-OFDM 256QAM	1	1	17.73	17.72	17.86	17.87	18.01	18.70
	CP-OFDM QPSK	1	1	20.70	20.57	20.51	20.52	20.51	21.70
	CP-OFDM 16QAM	1	1	20.45	20.42	20.37	20.51	20.19	21.20
CP-OFDM 64QAM	1	1	18.51	18.66	18.63	18.82	18.74	19.70	
CP-OFDM 256QAM	1	1	15.50	15.34	15.43	15.52	15.55	16.70	

N41-ANT4 State1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	16.39	16.50	16.32	16.18	16.32	17.45
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	16.40	16.59	16.37	16.44	16.05	17.45
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	16.41	16.53	16.59	16.22	16.04	17.45
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	16.31	16.47	16.30	16.33	15.98	17.45
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	16.36	16.50	16.40	16.49	16.02	17.45
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	16.56	16.48	16.30	16.26	15.99	17.45
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	16.59	16.49	16.40	16.40	16.13	17.45
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	16.26	16.53	16.32	16.37	16.23	17.45
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	16.34	16.39	16.54	16.16	16.15	17.45
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	16.65	16.52	16.28	16.21	16.04	17.45
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.29	16.34	16.49	16.52	16.07	17.45
		1	137	16.26	16.33	16.40	16.20	15.95	17.45
		1	271	16.32	16.34	16.41	16.50	16.24	17.45
	DFT-s-OFDM BPSK	135	0	16.59	16.33	16.35	16.23	16.19	17.45
		135	69	16.48	16.48	16.25	16.23	16.03	17.45
		135	138	16.33	16.31	16.52	16.36	16.19	17.45
	DFT-s-OFDM BPSK	270	0	16.51	16.58	16.60	16.22	16.26	17.45
		1	1	16.34	16.43	16.31	16.16	16.16	17.45
		1	137	16.41	16.58	16.57	16.29	16.19	17.45
	DFT-s-OFDM QPSK	1	271	16.34	16.60	16.34	16.27	16.21	17.45
		135	0	16.38	16.54	16.62	16.44	16.21	17.45
		135	69	16.32	16.30	16.53	16.18	16.24	17.45
	DFT-s-OFDM QPSK	135	138	16.54	16.25	16.57	16.34	16.26	17.45
		270	0	16.34	16.61	16.43	16.34	16.29	17.45
		1	1	16.29	16.25	16.49	16.16	16.18	17.45
	DFT-s-OFDM 16QAM	1	1	16.29	16.25	16.49	16.16	16.18	17.45
	DFT-s-OFDM 64QAM	1	1	16.27	16.50	16.60	16.42	16.32	17.45
	DFT-s-OFDM 256QAM	1	1	16.37	16.55	16.60	16.54	16.17	17.45
	CP-OFDM QPSK	1	1	16.46	16.56	16.63	16.52	16.11	17.45
	CP-OFDM 16QAM	1	1	16.62	16.57	16.45	16.15	16.35	17.45
CP-OFDM 64QAM	1	1	16.34	16.41	16.48	16.28	15.97	17.45	
CP-OFDM 256QAM	1	1	15.40	15.15	15.40	15.60	15.51	16.70	

N41-ANT4 State2&4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	20.81	20.53	20.62	20.41	20.36	21.70
Bandwidth (MHz)	Modulation	Channel		500700	509650	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	20.86	20.52	20.62	20.51	20.25	21.70
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	20.61	20.78	20.59	20.48	20.38	21.70
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	20.56	20.72	20.68	20.54	20.42	21.70
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	20.80	20.69	20.63	20.70	20.30	21.70
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	20.83	20.74	20.88	20.41	20.21	21.70
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	20.62	20.70	20.85	20.74	20.55	21.70
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	20.56	20.74	20.68	20.58	20.36	21.70
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	20.82	20.57	20.57	20.63	20.51	21.70
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	20.79	20.60	20.50	20.62	20.26	21.70
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	20.60	20.68	20.58	20.65	20.58	21.70
		1	137	20.87	20.72	20.54	20.78	20.55	21.70
		1	271	20.65	20.80	20.66	20.75	20.59	21.70
	DFT-s-OFDM BPSK	135	0	20.56	20.67	20.67	20.68	20.27	21.70
		135	69	20.88	20.67	20.83	20.48	20.36	21.70
		135	138	20.59	20.85	20.89	20.40	20.32	21.70
	DFT-s-OFDM BPSK	270	0	20.72	20.61	20.64	20.56	20.35	21.70
		1	1	20.73	20.66	20.52	20.48	20.57	21.70
		1	137	20.89	20.69	20.58	20.70	20.24	21.70
	DFT-s-OFDM QPSK	1	271	20.78	20.51	20.57	20.57	20.55	21.70
		135	0	20.70	20.76	20.68	20.68	20.33	21.70
		135	69	20.55	20.73	20.57	20.48	20.21	21.70
	DFT-s-OFDM QPSK	135	138	20.84	20.85	20.81	20.61	20.56	21.70
		270	0	20.60	20.86	20.65	20.64	20.27	21.70
		1	1	20.55	20.55	20.80	20.49	20.35	21.70
	DFT-s-OFDM 16QAM	1	1	20.55	20.55	20.80	20.49	20.35	21.70
	DFT-s-OFDM 64QAM	1	1	19.63	19.51	19.68	19.62	19.29	20.70
	DFT-s-OFDM 256QAM	1	1	17.68	17.63	17.75	17.72	17.26	18.70
	CP-OFDM QPSK	1	1	20.70	20.61	20.82	20.45	20.40	21.70
	CP-OFDM 16QAM	1	1	20.01	20.40	20.12	19.97	19.90	21.20
CP-OFDM 64QAM	1	1	18.71	18.89	18.61	18.56	18.24	19.70	
CP-OFDM 256QAM	1	1	15.41	15.17	15.48	15.61	15.56	16.70	