

1APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1755	132422	1.4	1	0	21.69
QPSK	1755	132422	1.4	1	3	21.55
QPSK	1755	132422	1.4	1	5	21.55
QPSK	1755	132422	1.4	3	0	21.53
QPSK	1755	132422	1.4	3	1	21.59
QPSK	1755	132422	1.4	3	3	21.56
QPSK	1755	132422	1.4	6	0	20.51
QPSK	1779.3	132665	1.4	1	0	22.11
QPSK	1779.3	132665	1.4	1	3	22.15
QPSK	1779.3	132665	1.4	1	5	22.08
QPSK	1779.3	132665	1.4	3	0	22.18
QPSK	1779.3	132665	1.4	3	1	22.15
QPSK	1779.3	132665	1.4	3	3	22.09
QPSK	1779.3	132665	1.4	6	0	21.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1755	132422	1.4	1	0	20.73
16QAM	1755	132422	1.4	1	3	20.62
16QAM	1755	132422	1.4	1	5	20.90
16QAM	1755	132422	1.4	3	0	20.39
16QAM	1755	132422	1.4	3	1	20.44
16QAM	1755	132422	1.4	3	3	20.44
16QAM	1755	132422	1.4	6	0	19.67
16QAM	1779.3	132665	1.4	1	0	21.27
16QAM	1779.3	132665	1.4	1	3	21.34
16QAM	1779.3	132665	1.4	1	5	21.32
16QAM	1779.3	132665	1.4	3	0	21.06
16QAM	1779.3	132665	1.4	3	1	21.13
16QAM	1779.3	132665	1.4	3	3	21.06
16QAM	1779.3	132665	1.4	6	0	20.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	22.01
QPSK	1711.5	131987	3	1	8	22.02
QPSK	1711.5	131987	3	1	14	21.95
QPSK	1711.5	131987	3	8	0	21.05
QPSK	1711.5	131987	3	8	4	21.05
QPSK	1711.5	131987	3	8	7	21.03
QPSK	1711.5	131987	3	15	0	21.05
QPSK	1755	132422	3	1	0	21.44
QPSK	1755	132422	3	1	8	21.51
QPSK	1755	132422	3	1	14	21.56
QPSK	1755	132422	3	8	0	20.68
QPSK	1755	132422	3	8	4	20.73
QPSK	1755	132422	3	8	7	20.66
QPSK	1755	132422	3	15	0	20.66
QPSK	1778.5	132657	3	1	0	22.08
QPSK	1778.5	132657	3	1	8	22.06
QPSK	1778.5	132657	3	1	14	22.02
QPSK	1778.5	132657	3	8	0	21.11
QPSK	1778.5	132657	3	8	4	21.14
QPSK	1778.5	132657	3	8	7	21.09
QPSK	1778.5	132657	3	15	0	21.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1711.5	131987	3	1	0	21.33
16QAM	1711.5	131987	3	1	8	21.27
16QAM	1711.5	131987	3	1	14	21.28
16QAM	1711.5	131987	3	8	0	20.09
16QAM	1711.5	131987	3	8	4	20.07
16QAM	1711.5	131987	3	8	7	20.05
16QAM	1711.5	131987	3	15	0	20.08
16QAM	1755	132422	3	1	0	20.87
16QAM	1755	132422	3	1	8	20.92
16QAM	1755	132422	3	1	14	20.87
16QAM	1755	132422	3	8	0	19.68
16QAM	1755	132422	3	8	4	19.70
16QAM	1755	132422	3	8	7	19.71
16QAM	1755	132422	3	15	0	19.67
16QAM	1778.5	132657	3	1	0	21.38
16QAM	1778.5	132657	3	1	8	21.42
16QAM	1778.5	132657	3	1	14	21.38
16QAM	1778.5	132657	3	8	0	20.10
16QAM	1778.5	132657	3	8	4	20.12
16QAM	1778.5	132657	3	8	7	20.08
16QAM	1778.5	132657	3	15	0	20.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	22.04
QPSK	1712.5	131997	5	1	12	21.88
QPSK	1712.5	131997	5	1	24	21.89
QPSK	1712.5	131997	5	12	0	21.08
QPSK	1712.5	131997	5	12	7	21.12
QPSK	1712.5	131997	5	12	13	21.05
QPSK	1712.5	131997	5	25	0	20.99
QPSK	1755	132422	5	1	0	21.42
QPSK	1755	132422	5	1	12	21.68
QPSK	1755	132422	5	1	24	21.64
QPSK	1755	132422	5	12	0	20.71
QPSK	1755	132422	5	12	7	20.70
QPSK	1755	132422	5	12	13	20.68
QPSK	1755	132422	5	25	0	20.69
QPSK	1777.5	132647	5	1	0	22.08
QPSK	1777.5	132647	5	1	12	22.17
QPSK	1777.5	132647	5	1	24	22.10
QPSK	1777.5	132647	5	12	0	21.09
QPSK	1777.5	132647	5	12	7	21.16
QPSK	1777.5	132647	5	12	13	21.08
QPSK	1777.5	132647	5	25	0	21.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1712.5	131997	5	1	0	21.33
16QAM	1712.5	131997	5	1	12	21.22
16QAM	1712.5	131997	5	1	24	21.11
16QAM	1712.5	131997	5	12	0	20.08
16QAM	1712.5	131997	5	12	7	20.05
16QAM	1712.5	131997	5	12	13	20.01
16QAM	1712.5	131997	5	25	0	20.02
16QAM	1755	132422	5	1	0	20.81
16QAM	1755	132422	5	1	12	20.96
16QAM	1755	132422	5	1	24	20.95
16QAM	1755	132422	5	12	0	19.61
16QAM	1755	132422	5	12	7	19.66
16QAM	1755	132422	5	12	13	19.60
16QAM	1755	132422	5	25	0	19.67
16QAM	1777.5	132647	5	1	0	21.30
16QAM	1777.5	132647	5	1	12	21.37
16QAM	1777.5	132647	5	1	24	21.44
16QAM	1777.5	132647	5	12	0	20.08
16QAM	1777.5	132647	5	12	7	20.09
16QAM	1777.5	132647	5	12	13	20.03
16QAM	1777.5	132647	5	25	0	20.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	21.88
QPSK	1715	132022	10	1	25	21.91
QPSK	1715	132022	10	1	49	21.81
QPSK	1715	132022	10	25	0	21.03
QPSK	1715	132022	10	25	12	20.99
QPSK	1715	132022	10	25	25	20.92
QPSK	1715	132022	10	50	0	20.90
QPSK	1755	132422	10	1	0	21.49
QPSK	1755	132422	10	1	25	21.59
QPSK	1755	132422	10	1	49	21.63
QPSK	1755	132422	10	25	0	20.62
QPSK	1755	132422	10	25	12	20.68
QPSK	1755	132422	10	25	25	20.72
QPSK	1755	132422	10	50	0	20.65
QPSK	1775	132622	10	1	0	22.01
QPSK	1775	132622	10	1	25	22.05
QPSK	1775	132622	10	1	49	22.06
QPSK	1775	132622	10	25	0	21.09
QPSK	1775	132622	10	25	12	21.14
QPSK	1775	132622	10	25	25	21.09
QPSK	1775	132622	10	50	0	21.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1715	132022	10	1	0	21.28
16QAM	1715	132022	10	1	25	21.15
16QAM	1715	132022	10	1	49	21.01
16QAM	1715	132022	10	25	0	20.08
16QAM	1715	132022	10	25	12	19.98
16QAM	1715	132022	10	25	25	19.88
16QAM	1715	132022	10	50	0	20.01
16QAM	1755	132422	10	1	0	20.72
16QAM	1755	132422	10	1	25	20.94
16QAM	1755	132422	10	1	49	20.87
16QAM	1755	132422	10	25	0	19.62
16QAM	1755	132422	10	25	12	19.73
16QAM	1755	132422	10	25	25	19.75
16QAM	1755	132422	10	50	0	19.68
16QAM	1775	132622	10	1	0	21.30
16QAM	1775	132622	10	1	25	21.28
16QAM	1775	132622	10	1	49	21.32
16QAM	1775	132622	10	25	0	20.13
16QAM	1775	132622	10	25	12	20.13
16QAM	1775	132622	10	25	25	20.10
16QAM	1775	132622	10	50	0	20.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	21.96
QPSK	1717.5	132047	15	1	37	22.00
QPSK	1717.5	132047	15	1	74	21.79
QPSK	1717.5	132047	15	36	0	20.99
QPSK	1717.5	132047	15	36	29	20.86
QPSK	1717.5	132047	15	36	30	20.82
QPSK	1717.5	132047	15	75	0	21.00
QPSK	1755	132422	15	1	0	21.38
QPSK	1755	132422	15	1	37	21.43
QPSK	1755	132422	15	1	74	21.87
QPSK	1755	132422	15	36	0	20.55
QPSK	1755	132422	15	36	29	20.72
QPSK	1755	132422	15	36	30	20.69
QPSK	1755	132422	15	75	0	20.64
QPSK	1772.5	132597	15	1	0	21.92
QPSK	1772.5	132597	15	1	37	21.92
QPSK	1772.5	132597	15	1	74	22.01
QPSK	1772.5	132597	15	36	0	21.01
QPSK	1772.5	132597	15	36	29	21.09
QPSK	1772.5	132597	15	36	30	21.04
QPSK	1772.5	132597	15	75	0	21.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1717.5	132047	15	1	0	21.49
16QAM	1717.5	132047	15	1	37	21.13
16QAM	1717.5	132047	15	1	74	21.04
16QAM	1717.5	132047	15	36	0	20.00
16QAM	1717.5	132047	15	36	29	19.92
16QAM	1717.5	132047	15	36	30	19.91
16QAM	1717.5	132047	15	75	0	19.92
16QAM	1755	132422	15	1	0	20.88
16QAM	1755	132422	15	1	37	20.96
16QAM	1755	132422	15	1	74	21.18
16QAM	1755	132422	15	36	0	19.54
16QAM	1755	132422	15	36	29	19.74
16QAM	1755	132422	15	36	30	19.72
16QAM	1755	132422	15	75	0	19.64
16QAM	1772.5	132597	15	1	0	21.31
16QAM	1772.5	132597	15	1	37	21.42
16QAM	1772.5	132597	15	1	74	21.45
16QAM	1772.5	132597	15	36	0	20.07
16QAM	1772.5	132597	15	36	29	20.09
16QAM	1772.5	132597	15	36	30	20.13
16QAM	1772.5	132597	15	75	0	20.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	22.01
QPSK	1720	132072	20	1	49	21.74
QPSK	1720	132072	20	1	99	21.57
QPSK	1720	132072	20	50	0	20.96
QPSK	1720	132072	20	50	24	20.96
QPSK	1720	132072	20	50	50	20.70
QPSK	1720	132072	20	100	0	20.92
QPSK	1755	132422	20	1	0	21.42
QPSK	1755	132422	20	1	49	21.53
QPSK	1755	132422	20	1	99	21.90
QPSK	1755	132422	20	50	0	20.52
QPSK	1755	132422	20	50	24	20.70
QPSK	1755	132422	20	50	50	20.77
QPSK	1755	132422	20	100	0	20.68
QPSK	1770	132572	20	1	0	21.81
QPSK	1770	132572	20	1	49	21.98
QPSK	1770	132572	20	1	99	22.00
QPSK	1770	132572	20	50	0	20.93
QPSK	1770	132572	20	50	24	21.05
QPSK	1770	132572	20	50	50	21.04
QPSK	1770	132572	20	100	0	21.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1720	132072	20	1	0	21.38
16QAM	1720	132072	20	1	49	21.16
16QAM	1720	132072	20	1	99	20.92
16QAM	1720	132072	20	50	0	19.92
16QAM	1720	132072	20	50	24	19.96
16QAM	1720	132072	20	50	50	19.73
16QAM	1720	132072	20	100	0	19.86
16QAM	1755	132422	20	1	0	20.80
16QAM	1755	132422	20	1	49	20.95
16QAM	1755	132422	20	1	99	21.26
16QAM	1755	132422	20	50	0	19.51
16QAM	1755	132422	20	50	24	19.66
16QAM	1755	132422	20	50	50	19.75
16QAM	1755	132422	20	100	0	19.64
16QAM	1770	132572	20	1	0	21.19
16QAM	1770	132572	20	1	49	21.28
16QAM	1770	132572	20	1	99	21.46
16QAM	1770	132572	20	50	0	19.94
16QAM	1770	132572	20	50	24	20.01
16QAM	1770	132572	20	50	50	20.12
16QAM	1770	132572	20	100	0	20.01

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
66	QPSK	1755	132422	1.4	6	0	1.088	Fig.1
66	QPSK	1779.3	132665	1.4	6	0	1.082	Fig.2
66	QPSK	1711.5	131987	3	15	0	2.683	Fig.3
66	QPSK	1755	132422	3	15	0	2.683	Fig.4
66	QPSK	1778.5	132657	3	15	0	2.683	Fig.5
66	QPSK	1712.5	131997	5	25	0	4.472	Fig.6
66	QPSK	1755	132422	5	25	0	4.472	Fig.7
66	QPSK	1777.5	132647	5	25	0	4.472	Fig.8
66	QPSK	1715	132022	10	50	0	8.944	Fig.9
66	QPSK	1755	132422	10	50	0	8.944	Fig.10
66	QPSK	1775	132622	10	50	0	8.944	Fig.11
66	QPSK	1717.5	132047	15	75	0	13.415	Fig.12
66	QPSK	1755	132422	15	75	0	13.415	Fig.13
66	QPSK	1772.5	132597	15	75	0	13.415	Fig.14
66	QPSK	1720	132072	20	100	0	17.887	Fig.15
66	QPSK	1755	132422	20	100	0	17.887	Fig.16
66	QPSK	1770	132572	20	100	0	17.887	Fig.17

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
66	16QAM	1755	132422	1.4	6	0	1.082	Fig.18
66	16QAM	1779.3	132665	1.4	6	0	1.082	Fig.19
66	16QAM	1711.5	131987	3	15	0	2.683	Fig.20
66	16QAM	1755	132422	3	15	0	2.683	Fig.21
66	16QAM	1778.5	132657	3	15	0	2.683	Fig.22
66	16QAM	1712.5	131997	5	25	0	4.472	Fig.23
66	16QAM	1755	132422	5	25	0	4.472	Fig.24
66	16QAM	1777.5	132647	5	25	0	4.472	Fig.25
66	16QAM	1715	132022	10	50	0	8.987	Fig.26
66	16QAM	1755	132422	10	50	0	8.987	Fig.27
66	16QAM	1775	132622	10	50	0	8.987	Fig.28
66	16QAM	1717.5	132047	15	75	0	13.415	Fig.29
66	16QAM	1755	132422	15	75	0	13.415	Fig.30
66	16QAM	1772.5	132597	15	75	0	13.415	Fig.31
66	16QAM	1720	132072	20	100	0	17.887	Fig.32
66	16QAM	1755	132422	20	100	0	17.887	Fig.33
66	16QAM	1770	132572	20	100	0	17.887	Fig.34

Test Mode: QPSK

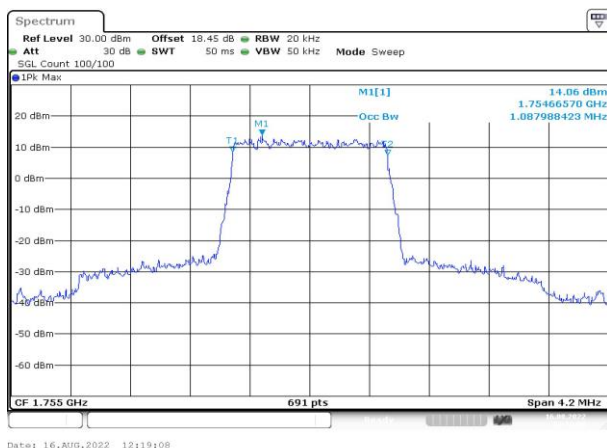


Fig.1

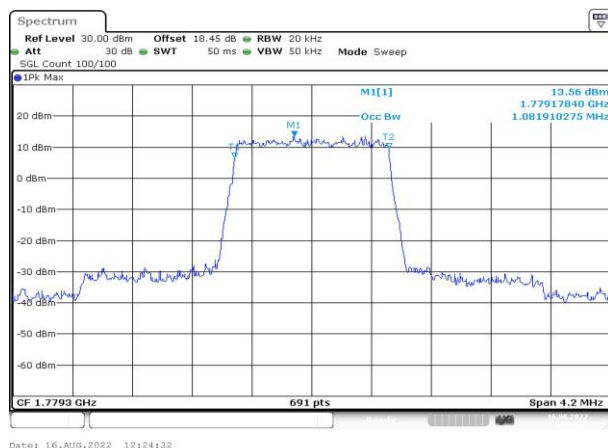


Fig.2

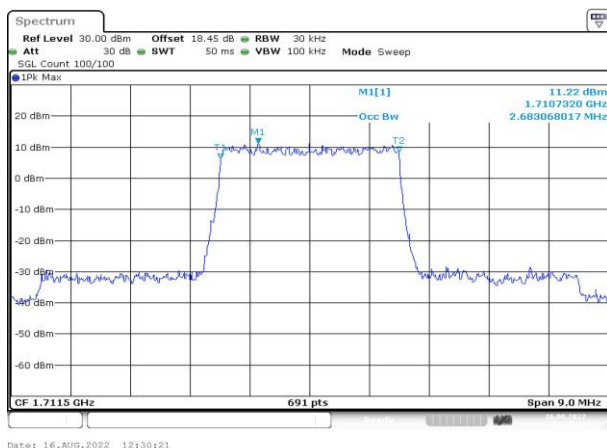


Fig.3

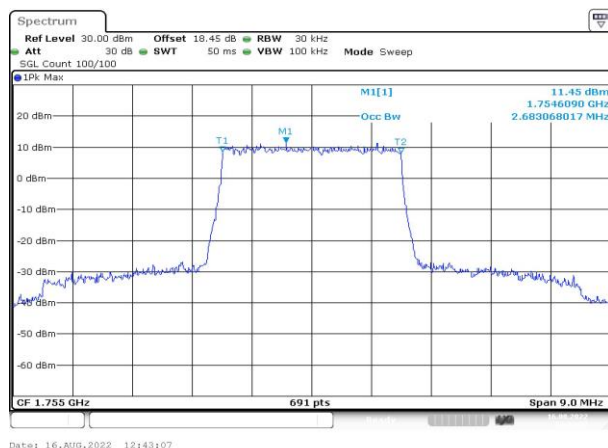


Fig.4

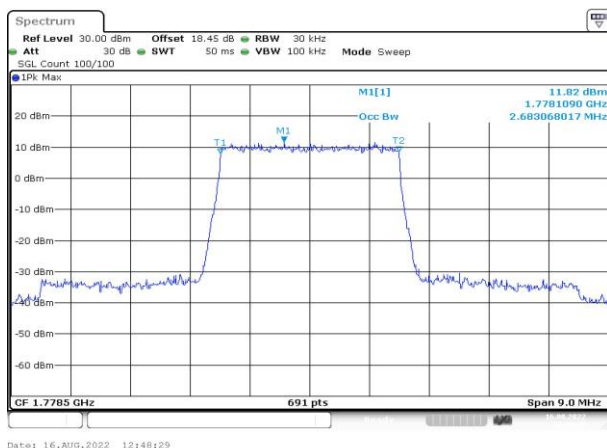


Fig.5

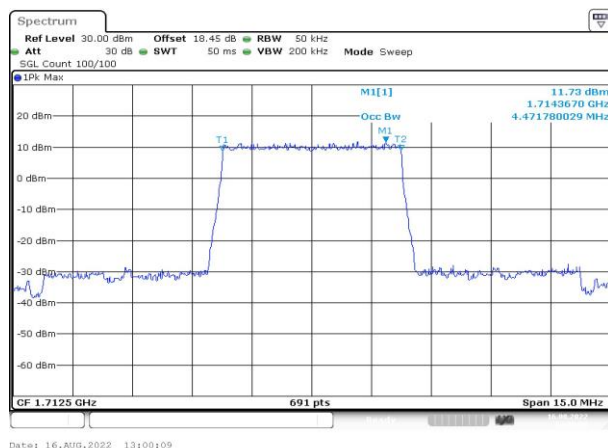
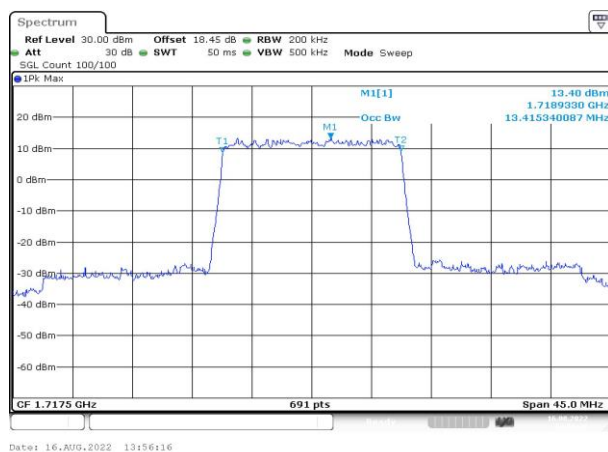
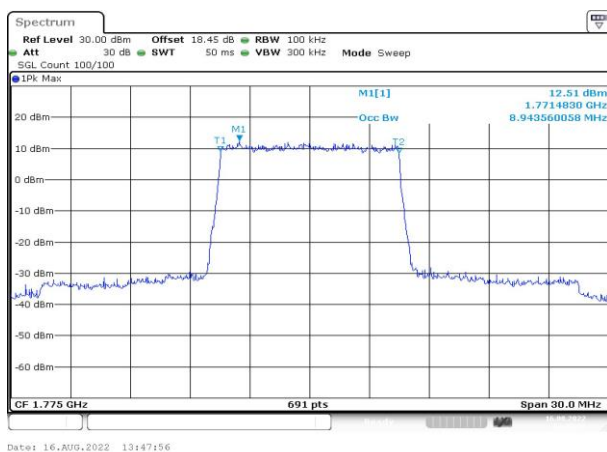
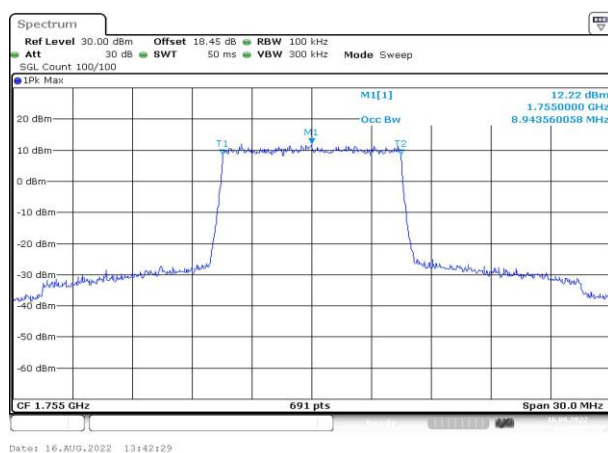
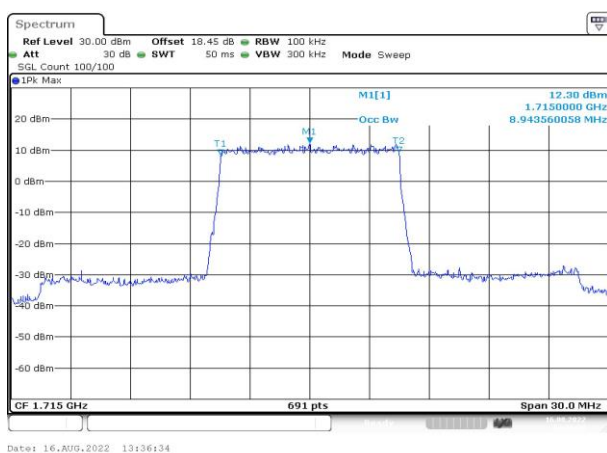
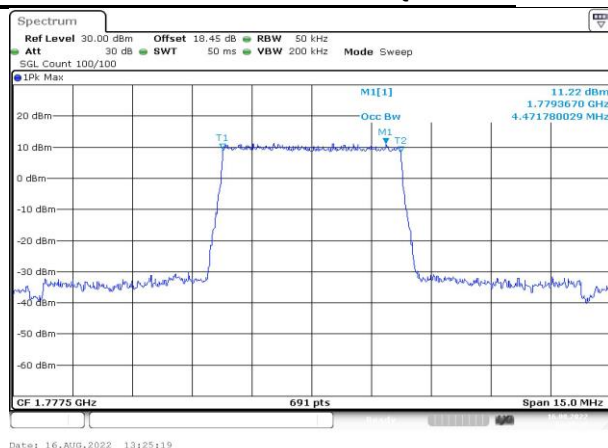
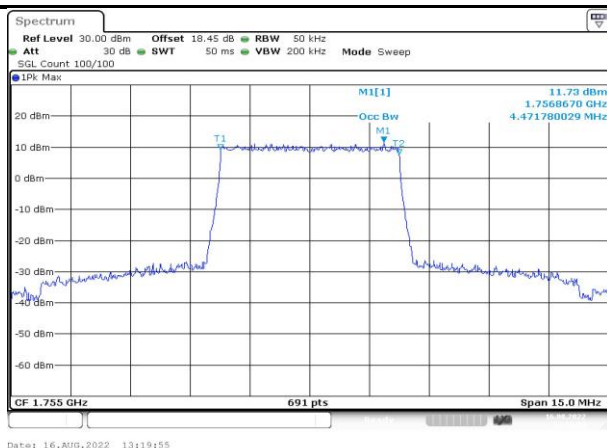


Fig.6



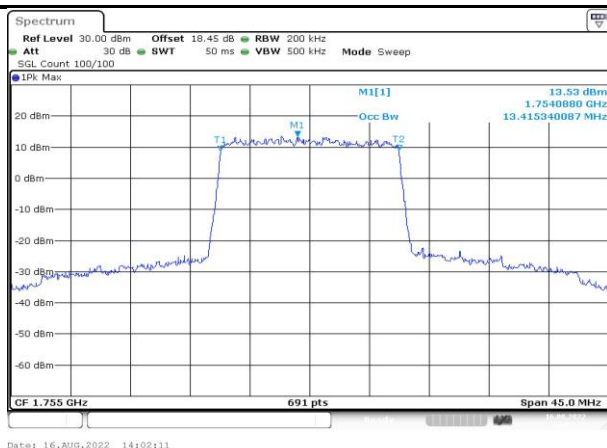


Fig.13

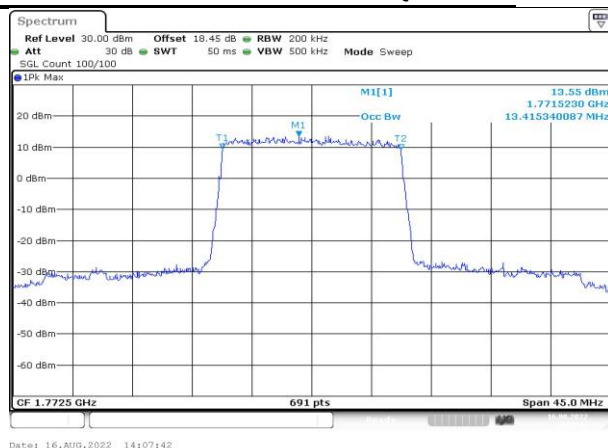


Fig.14

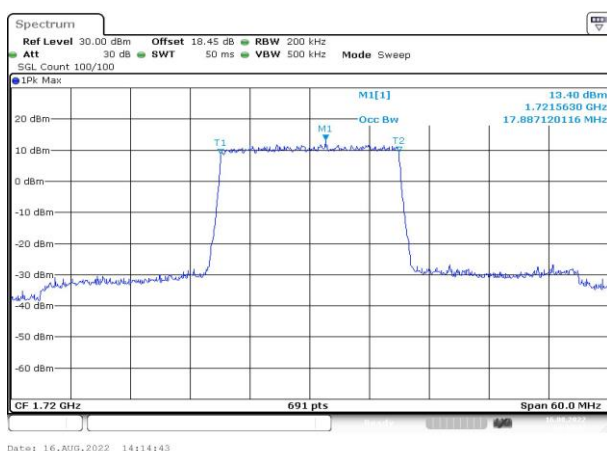


Fig.15

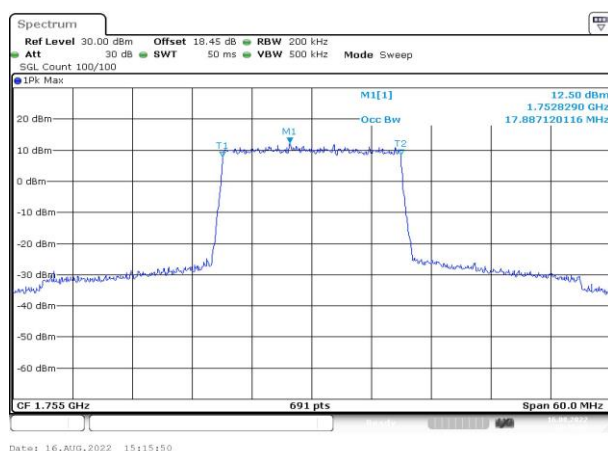


Fig.16

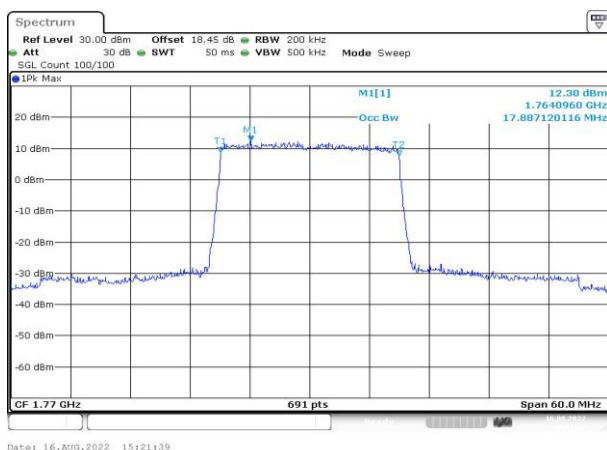


Fig.17

Test Mode: 16QAM

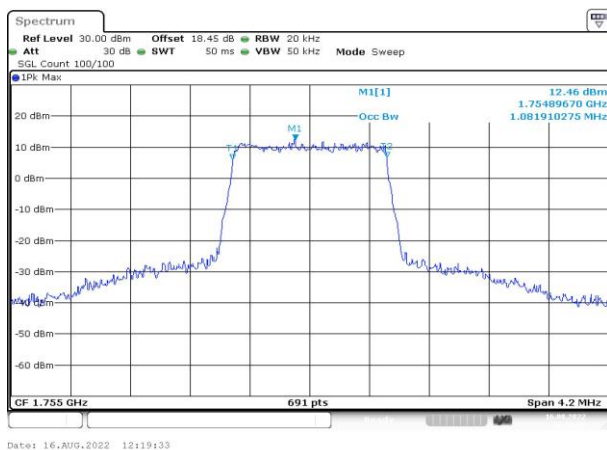


Fig.18

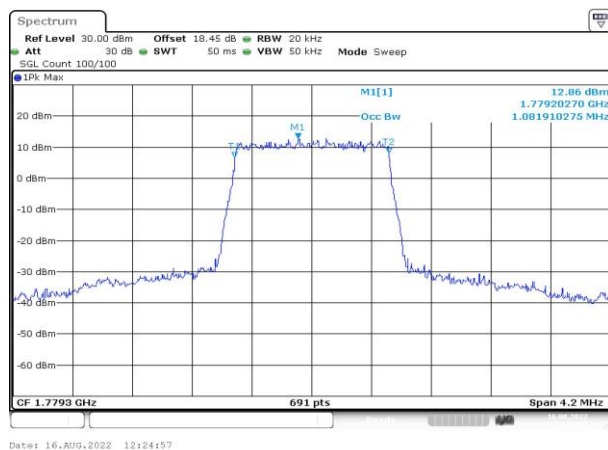


Fig.19

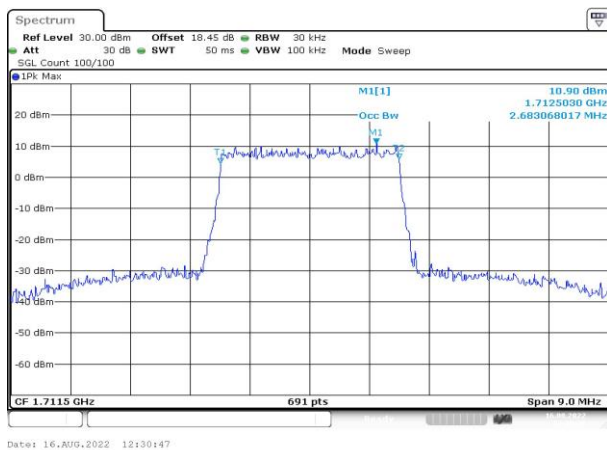


Fig.20

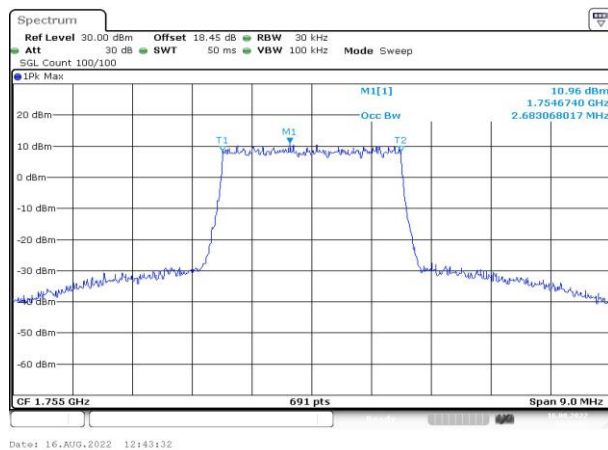


Fig.21

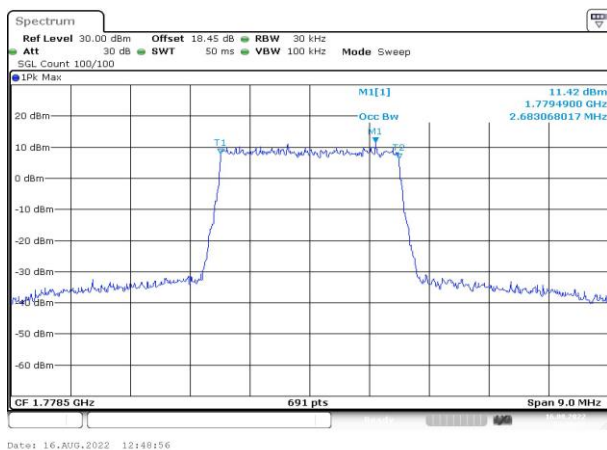


Fig.22

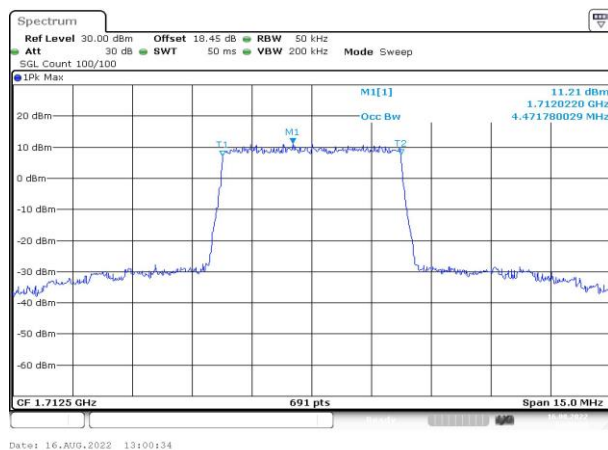


Fig.23

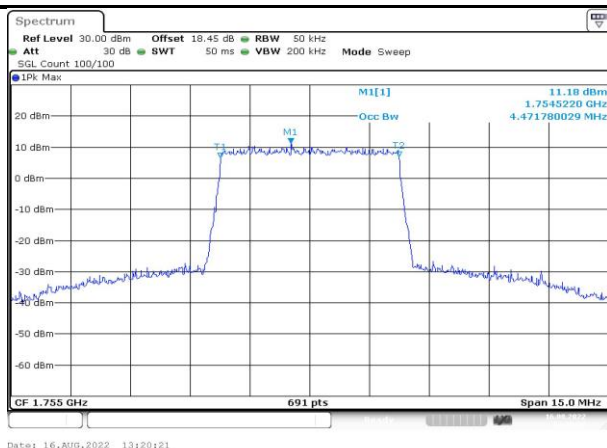


Fig.24

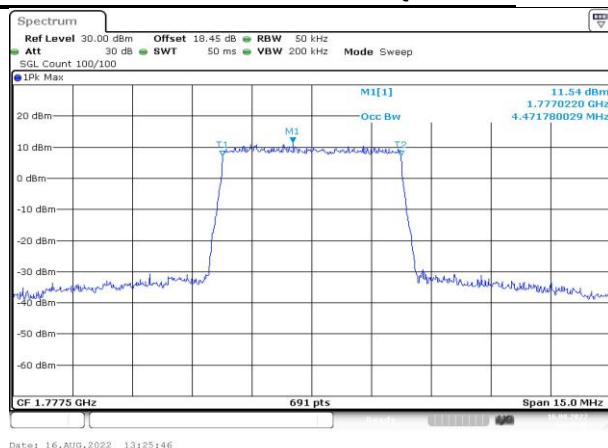


Fig.25

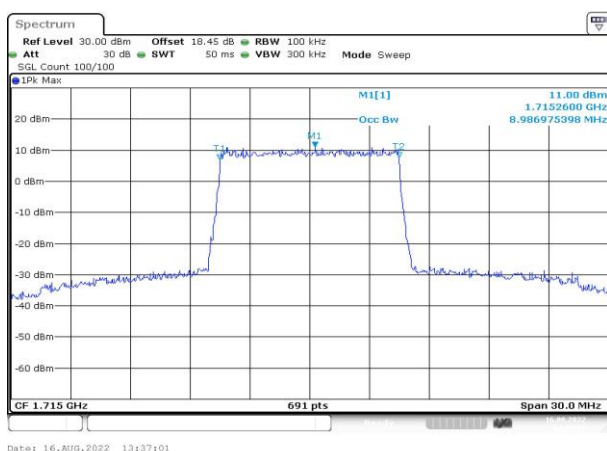


Fig.26

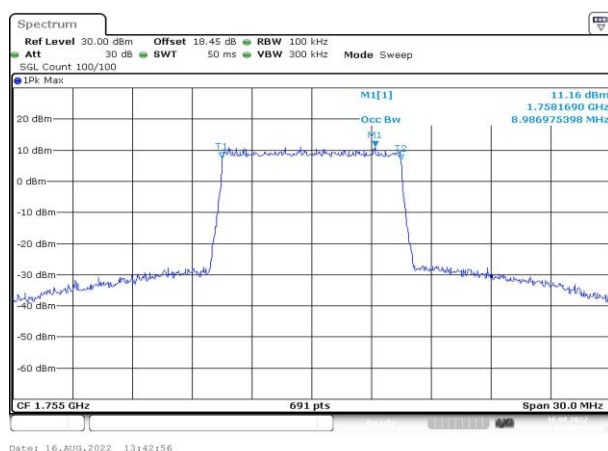


Fig.27

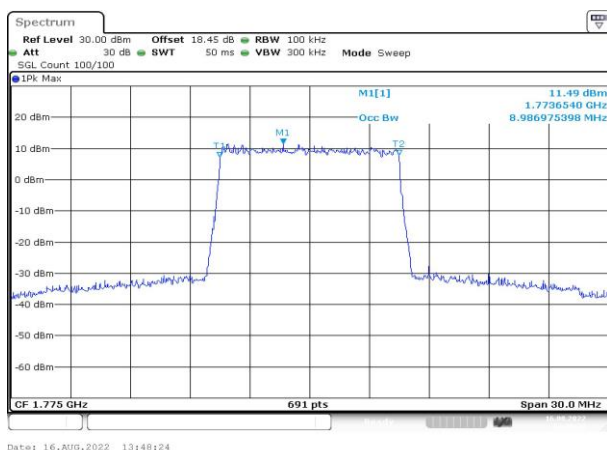


Fig.28

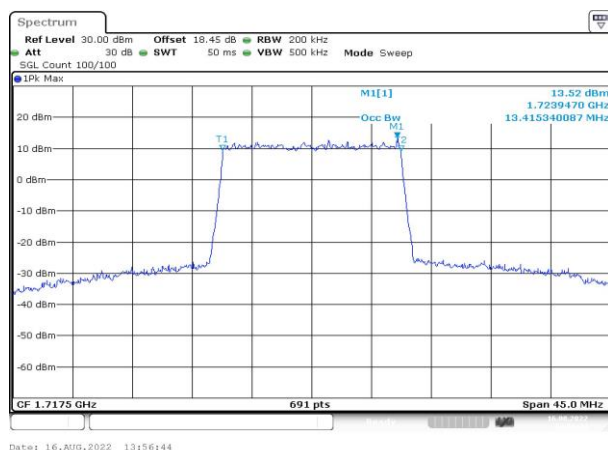


Fig.29



Fig.30



Fig.31

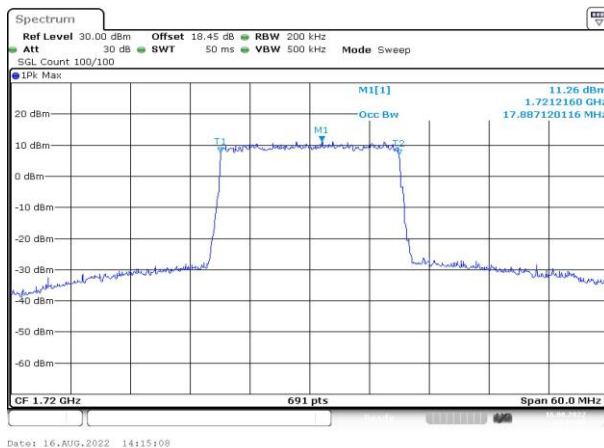


Fig.32

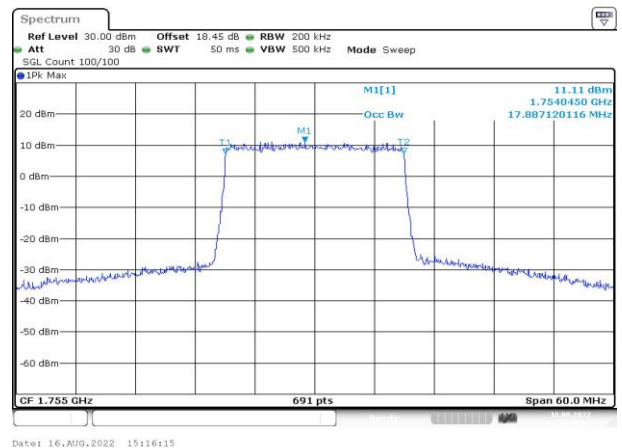


Fig.33

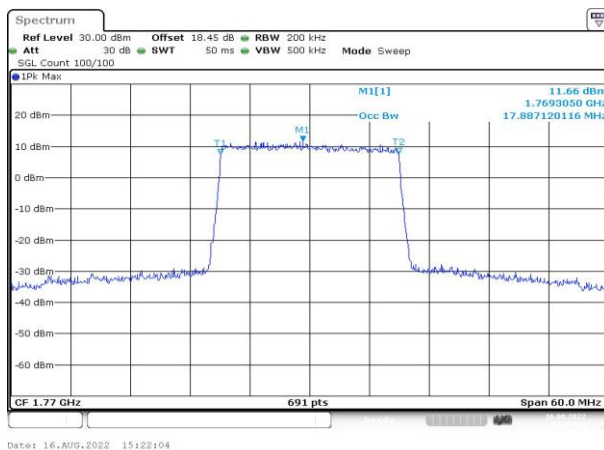


Fig.34

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
66	QPSK	1755	132422	1.4	6	0	1.216	Fig.1
66	QPSK	1779.3	132665	1.4	6	0	1.216	Fig.2
66	QPSK	1711.5	131987	3	15	0	2.944	Fig.3
66	QPSK	1755	132422	3	15	0	2.957	Fig.4
66	QPSK	1778.5	132657	3	15	0	2.944	Fig.5
66	QPSK	1712.5	131997	5	25	0	4.863	Fig.6
66	QPSK	1755	132422	5	25	0	4.884	Fig.7
66	QPSK	1777.5	132647	5	25	0	4.884	Fig.8
66	QPSK	1715	132022	10	50	0	9.682	Fig.9
66	QPSK	1755	132422	10	50	0	9.682	Fig.10
66	QPSK	1775	132622	10	50	0	9.682	Fig.11
66	QPSK	1717.5	132047	15	75	0	14.522	Fig.12
66	QPSK	1755	132422	15	75	0	14.588	Fig.13
66	QPSK	1772.5	132597	15	75	0	14.522	Fig.14
66	QPSK	1720	132072	20	100	0	19.190	Fig.15
66	QPSK	1755	132422	20	100	0	19.276	Fig.16
66	QPSK	1770	132572	20	100	0	19.190	Fig.17

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
66	16QAM	1755	132422	1.4	6	0	1.216	Fig.18
66	16QAM	1779.3	132665	1.4	6	0	1.222	Fig.19
66	16QAM	1711.5	131987	3	15	0	2.931	Fig.20
66	16QAM	1755	132422	3	15	0	2.944	Fig.21
66	16QAM	1778.5	132657	3	15	0	2.944	Fig.22
66	16QAM	1712.5	131997	5	25	0	4.906	Fig.23
66	16QAM	1755	132422	5	25	0	4.884	Fig.24
66	16QAM	1777.5	132647	5	25	0	4.884	Fig.25
66	16QAM	1715	132022	10	50	0	9.638	Fig.26
66	16QAM	1755	132422	10	50	0	9.638	Fig.27
66	16QAM	1775	132622	10	50	0	9.682	Fig.28
66	16QAM	1717.5	132047	15	75	0	14.457	Fig.29
66	16QAM	1755	132422	15	75	0	14.522	Fig.30
66	16QAM	1772.5	132597	15	75	0	14.522	Fig.31
66	16QAM	1720	132072	20	100	0	19.190	Fig.32
66	16QAM	1755	132422	20	100	0	19.190	Fig.33
66	16QAM	1770	132572	20	100	0	19.103	Fig.34

Test Mode: QPSK

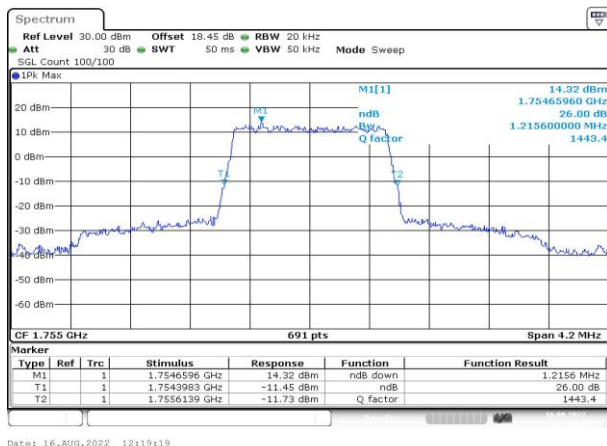


Fig.1

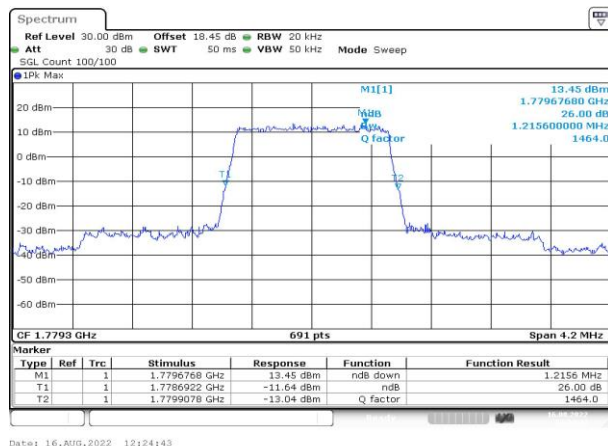


Fig.2

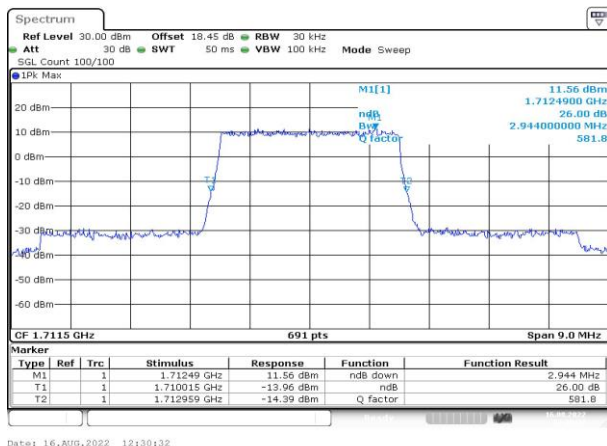


Fig.3

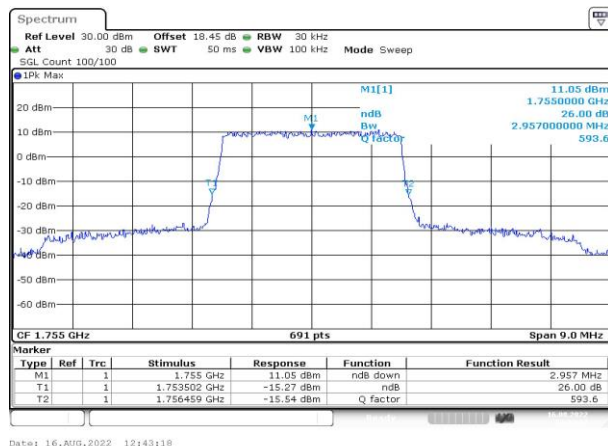


Fig.4

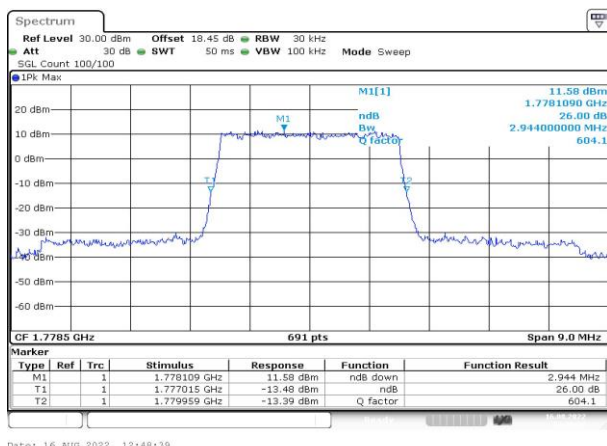


Fig.5

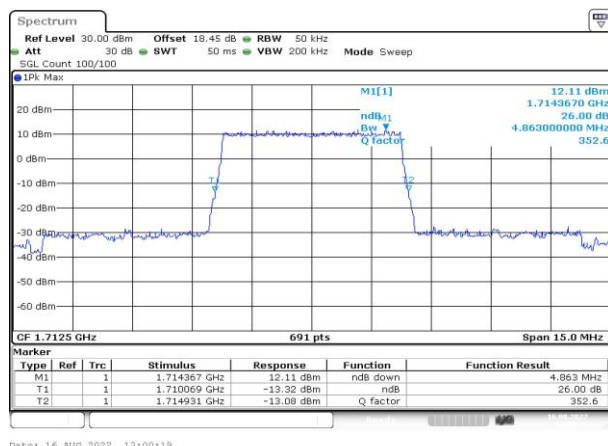
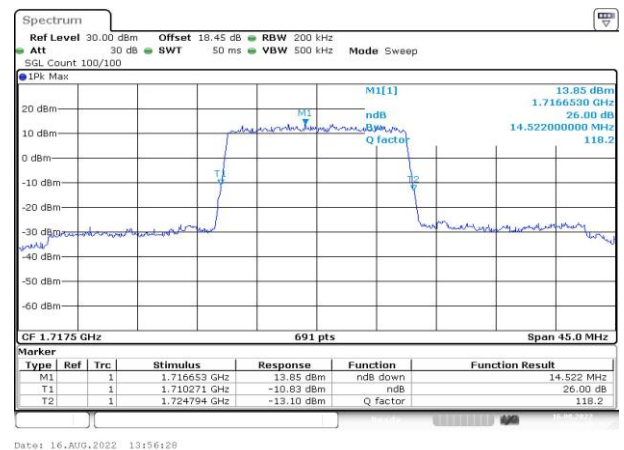
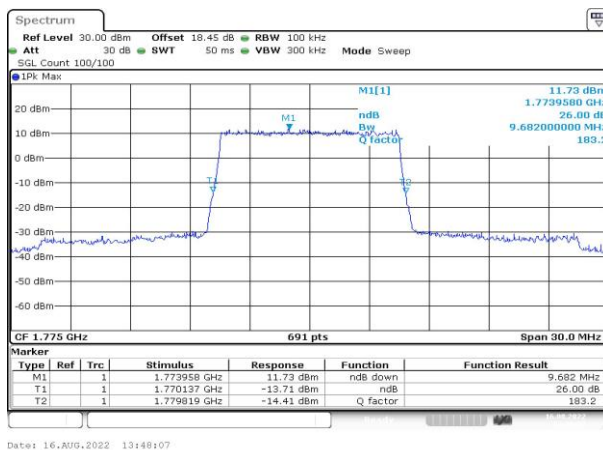
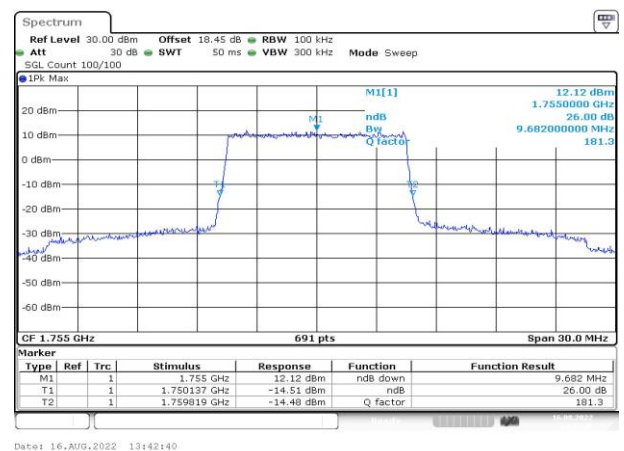
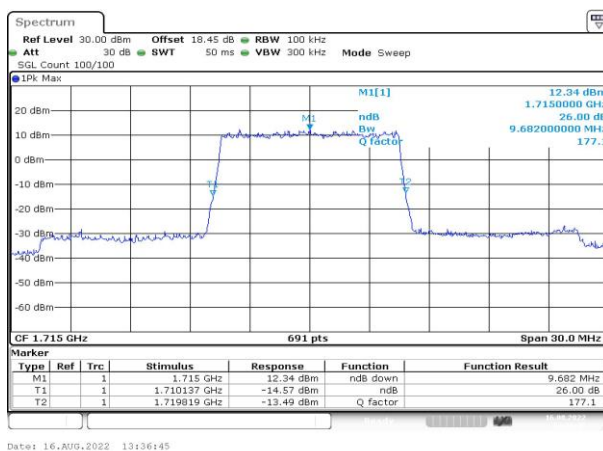
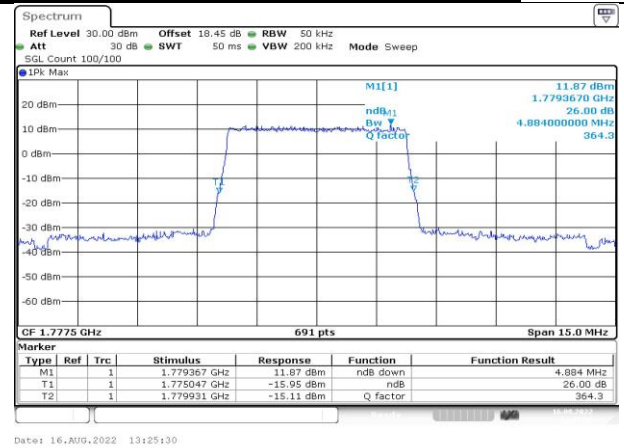
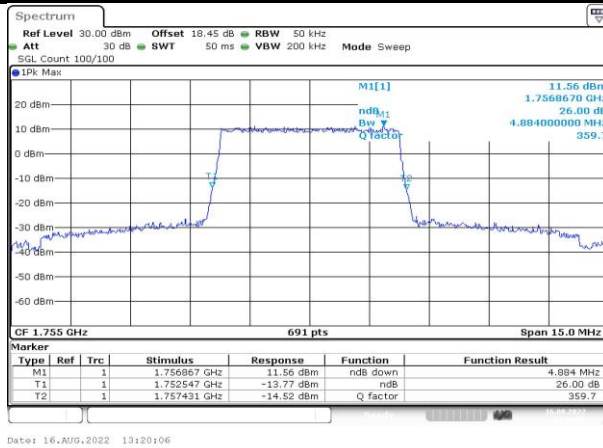


Fig.6



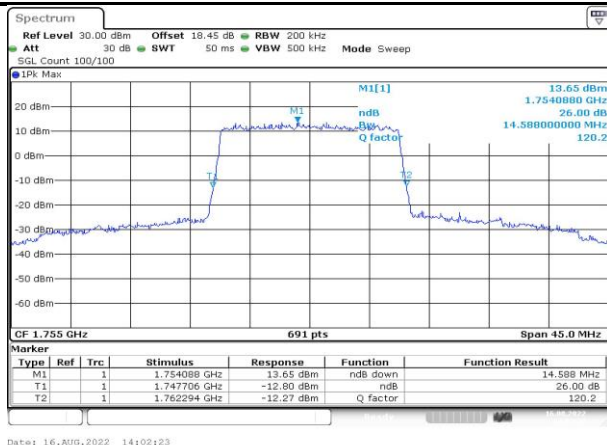


Fig.13

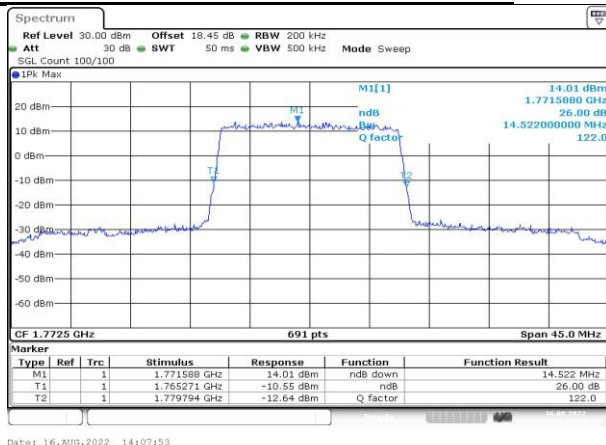


Fig.14

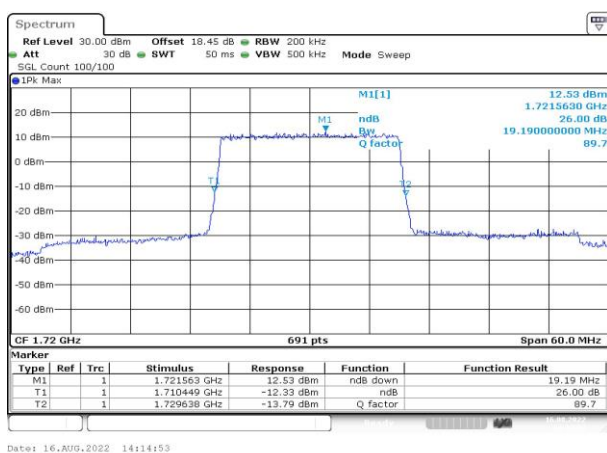


Fig.15

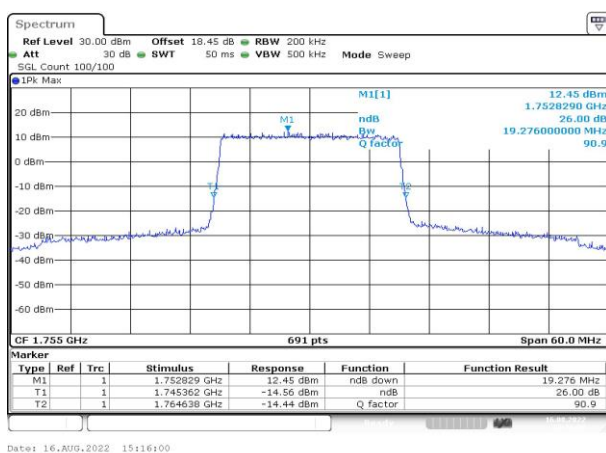


Fig.16

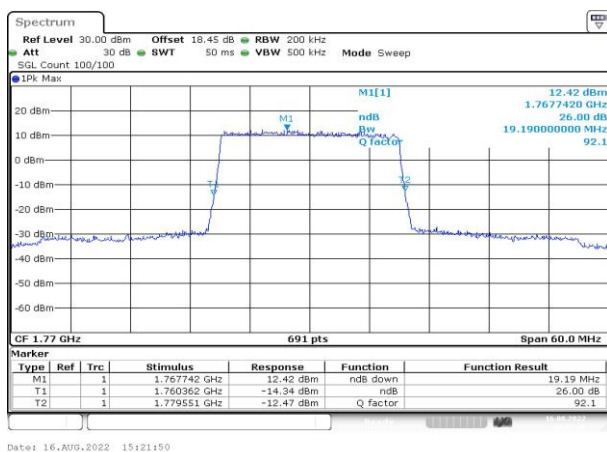


Fig.17

Test Mode: 16QAM

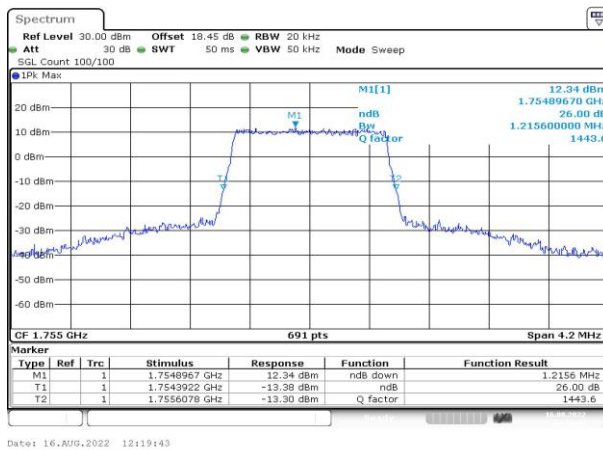


Fig.18

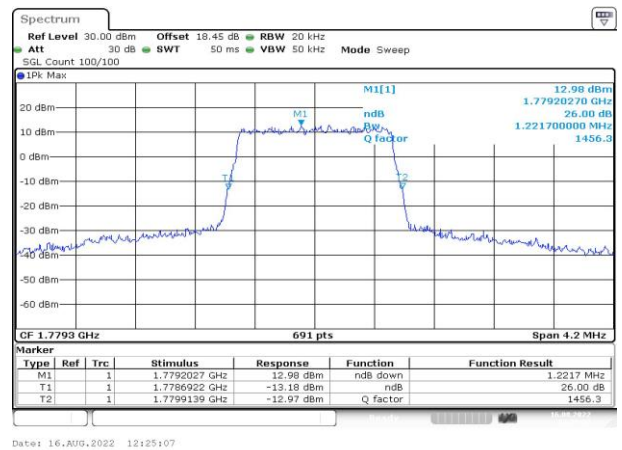


Fig.19

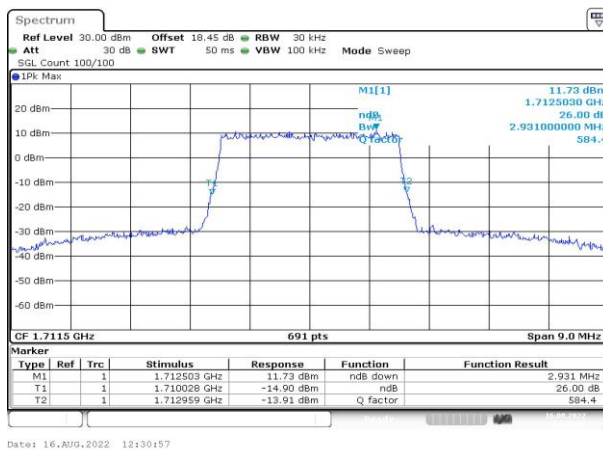


Fig.20

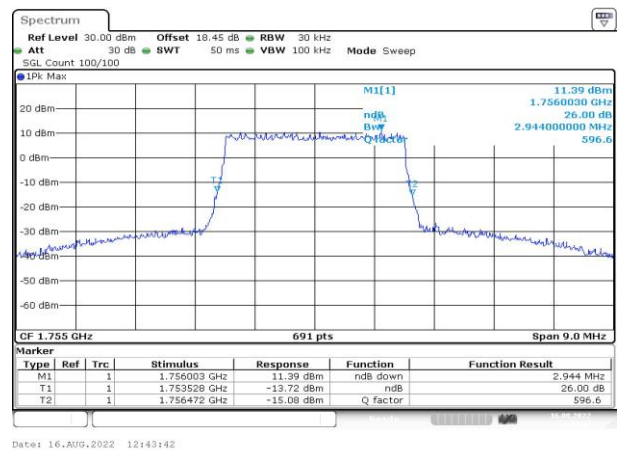


Fig.21

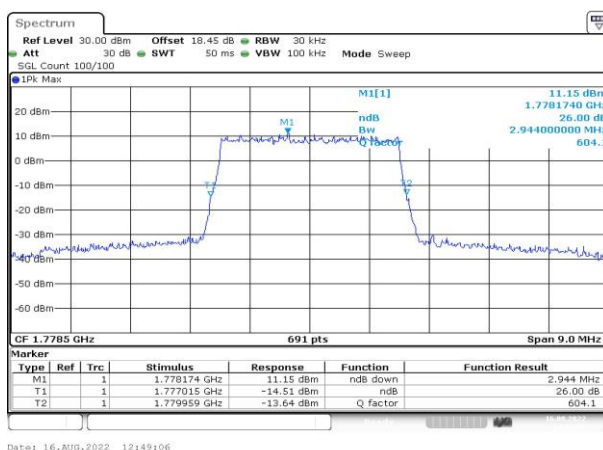


Fig.22

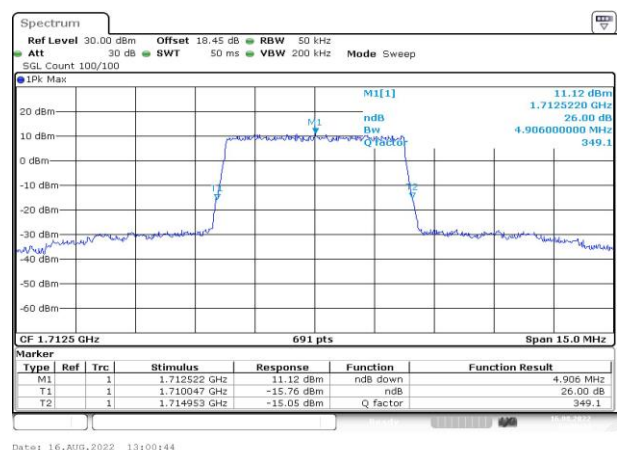


Fig.23