

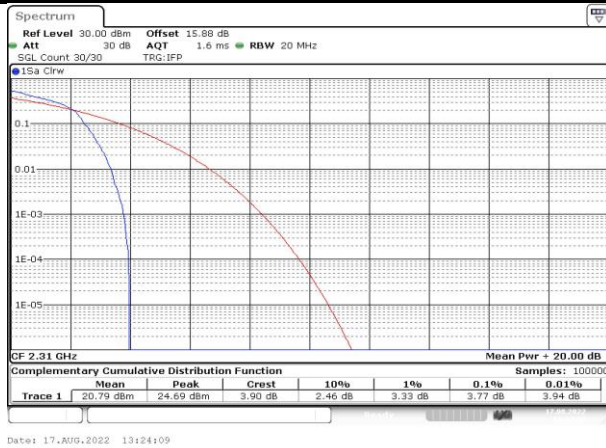


Fig.31



Fig.32

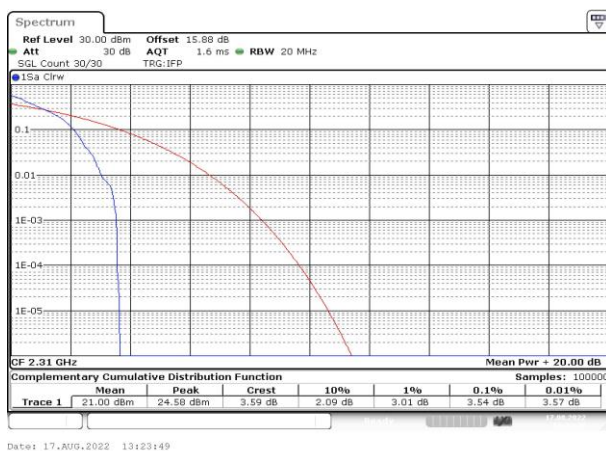


Fig.33

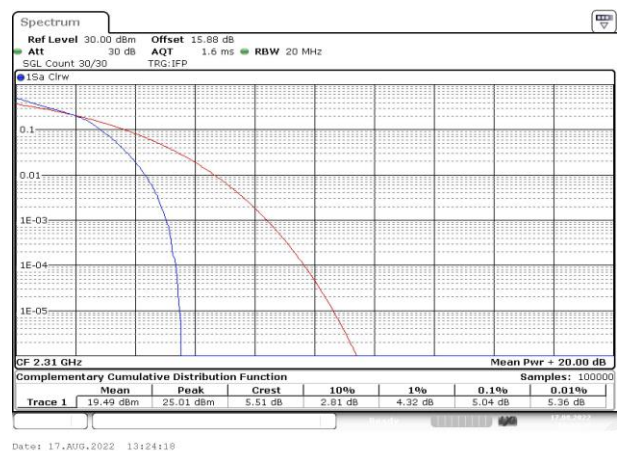


Fig.34

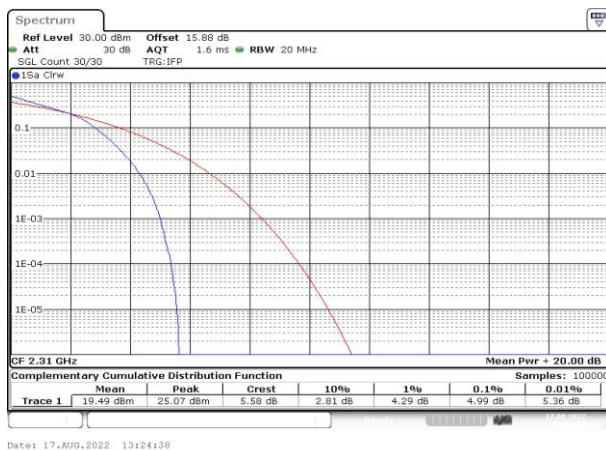


Fig.35

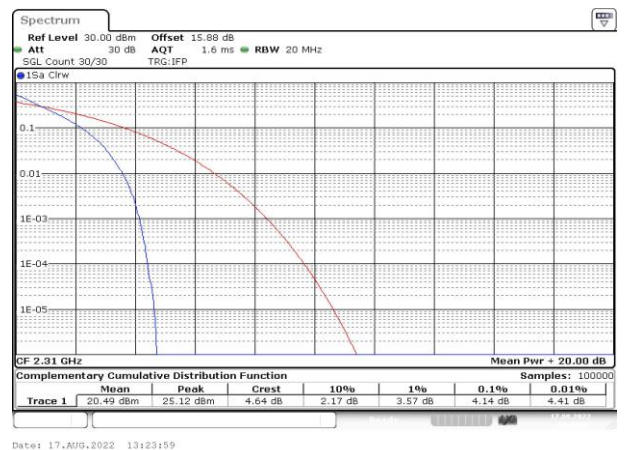


Fig.36

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
40	2310	38750	10	1	0	Fig.1

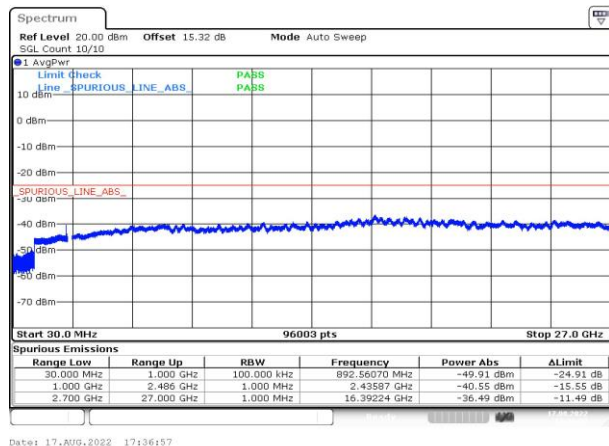


Fig.1

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
40	QPSK	2307.5	38725	5	1	0	Fig.1
40	QPSK	2307.5	38725	5	25	0	Fig.2
40	QPSK	2312.5	38775	5	1	24	Fig.3
40	QPSK	2312.5	38775	5	25	0	Fig.4
40	QPSK	2310	38750	10	1	0	Fig.5
40	QPSK	2310	38750	10	50	0	Fig.6
40	QPSK	2310	38750	10	1	49	Fig.7

Test Mode: QPSK

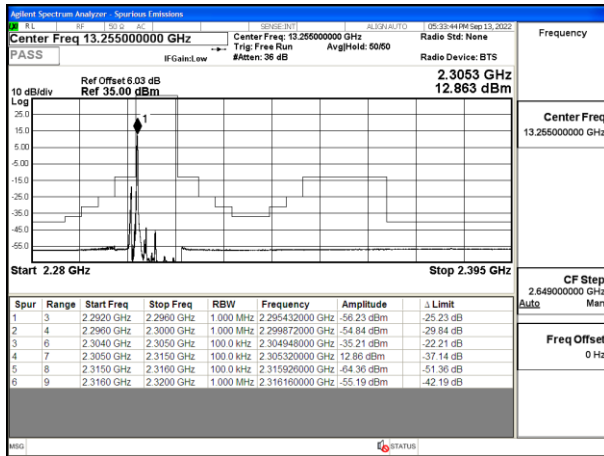


Fig.1



Fig.2

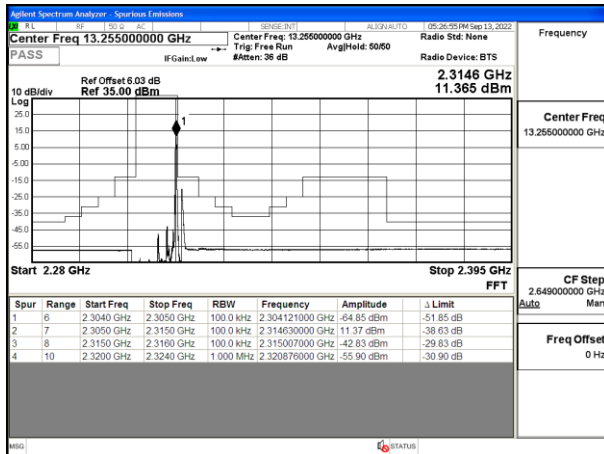


Fig.3

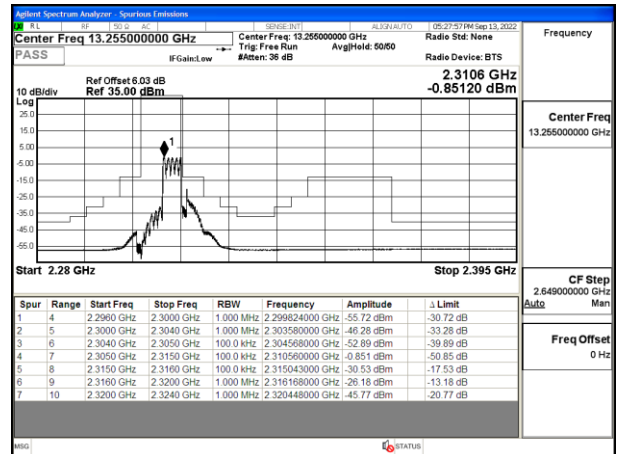


Fig.4

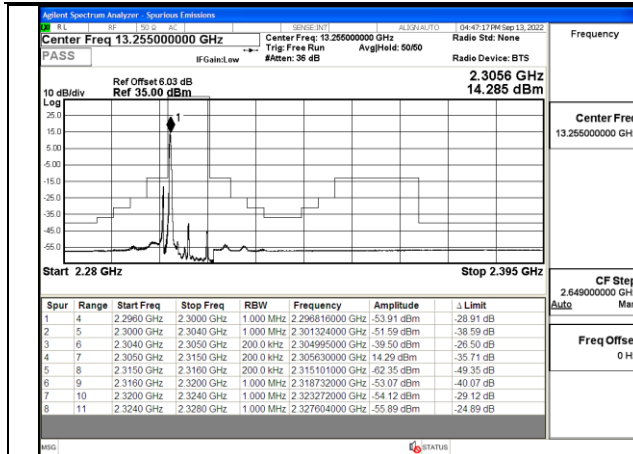


Fig.5

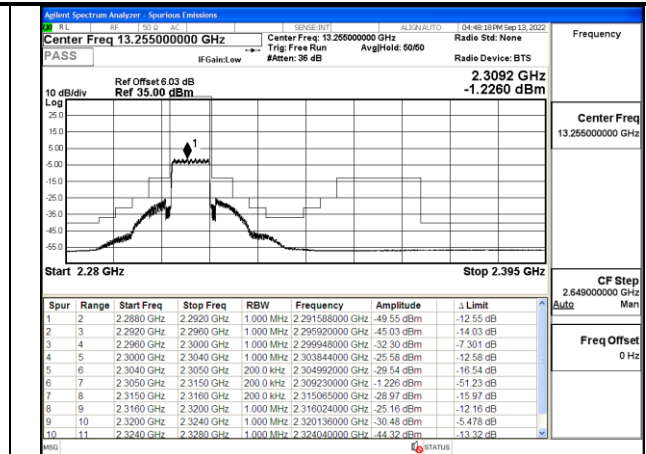


Fig.6

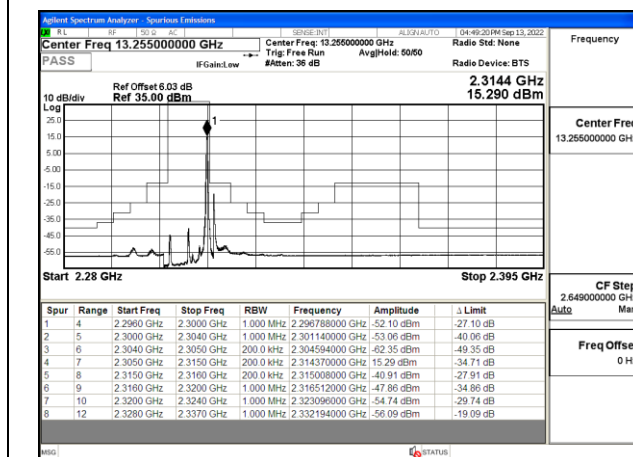


Fig.7

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2305-2315) Low Channel QPSK	
		5M	10M
-20	NV	-0.009	-0.003
-10	NV	-0.003	-0.007
0	NV	-0.007	0.002
+10	NV	-0.002	-0.006
+20	NV	-0.002	-0.007
+30	NV	-0.006	-0.004
+40	NV	-0.002	-0.007
+55	NV	-0.005	-0.006
+20	LV	-0.002	-0.006
+20	HV	-0.005	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2305-2315) High Channel QPSK	
		5M	10M
-20	NV	-0.011	-0.009
-10	NV	-0.002	-0.005
0	NV	-0.006	-0.001
+10	NV	-0.007	-0.007
+20	NV	0.001	-0.006
+30	NV	-0.005	-0.005
+40	NV	0.001	-0.002
+55	NV	-0.005	-0.005
+20	LV	0.002	-0.007
+20	HV	-0.007	-0.004

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2307.5	38725	5	1	0	21.58	23.68	0.233
QPSK	2307.5	38725	5	1	12	21.61	23.71	0.235
QPSK	2307.5	38725	5	1	24	21.62	23.72	0.236
QPSK	2307.5	38725	5	12	0	20.79	22.89	0.195
QPSK	2307.5	38725	5	12	7	20.79	22.89	0.195
QPSK	2307.5	38725	5	12	13	20.83	22.93	0.196
QPSK	2307.5	38725	5	25	0	20.75	22.85	0.193
QPSK	2310	38750	5	1	0	21.85	23.95	0.248
QPSK	2310	38750	5	1	12	21.85	23.95	0.248
QPSK	2310	38750	5	1	24	21.86	23.96	0.249
QPSK	2310	38750	5	12	0	21.82	23.92	0.247
QPSK	2310	38750	5	12	7	20.85	22.95	0.197
QPSK	2310	38750	5	12	13	20.78	22.88	0.194
QPSK	2310	38750	5	25	0	20.84	22.94	0.197
QPSK	2312.5	38775	5	1	0	21.63	23.73	0.236
QPSK	2312.5	38775	5	1	12	21.67	23.77	0.238
QPSK	2312.5	38775	5	1	24	21.69	23.79	0.239
QPSK	2312.5	38775	5	12	0	20.82	22.92	0.196
QPSK	2312.5	38775	5	12	7	20.87	22.97	0.198
QPSK	2312.5	38775	5	12	13	20.88	22.98	0.199
QPSK	2312.5	38775	5	25	0	20.87	22.97	0.198

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2307.5	38725	5	1	0	21.06	23.16	0.207
16QAM	2307.5	38725	5	1	12	21.02	23.12	0.205
16QAM	2307.5	38725	5	1	24	21.16	23.26	0.212
16QAM	2307.5	38725	5	12	0	19.82	21.92	0.156
16QAM	2307.5	38725	5	12	7	19.78	21.88	0.154
16QAM	2307.5	38725	5	12	13	19.91	22.01	0.159
16QAM	2307.5	38725	5	25	0	19.79	21.89	0.155
16QAM	2310	38750	5	1	0	21.25	23.35	0.216
16QAM	2310	38750	5	1	12	21.25	23.35	0.216
16QAM	2310	38750	5	1	24	21.23	23.33	0.215
16QAM	2310	38750	5	12	0	19.87	21.97	0.157
16QAM	2310	38750	5	12	7	19.89	21.99	0.158
16QAM	2310	38750	5	12	13	19.88	21.98	0.158
16QAM	2310	38750	5	25	0	19.93	22.03	0.160
16QAM	2312.5	38775	5	1	0	20.91	23.01	0.200
16QAM	2312.5	38775	5	1	12	21.03	23.13	0.206
16QAM	2312.5	38775	5	1	24	20.96	23.06	0.202
16QAM	2312.5	38775	5	12	0	19.78	21.88	0.154
16QAM	2312.5	38775	5	12	7	19.86	21.96	0.157
16QAM	2312.5	38775	5	12	13	19.84	21.94	0.156
16QAM	2312.5	38775	5	25	0	19.88	21.98	0.158

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2310	38750	10	1	0	21.70	23.80	0.240
QPSK	2310	38750	10	1	25	21.87	23.97	0.249
QPSK	2310	38750	10	1	49	21.84	23.94	0.248
QPSK	2310	38750	10	25	0	20.84	22.94	0.197
QPSK	2310	38750	10	25	12	20.87	22.97	0.198
QPSK	2310	38750	10	25	25	20.90	23.00	0.200
QPSK	2310	38750	10	50	0	20.84	22.94	0.197

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2310	38750	10	1	0	21.18	23.28	0.213
16QAM	2310	38750	10	1	25	21.26	23.36	0.217
16QAM	2310	38750	10	1	49	21.14	23.24	0.211
16QAM	2310	38750	10	25	0	19.86	21.96	0.157
16QAM	2310	38750	10	25	12	19.90	22.00	0.158
16QAM	2310	38750	10	25	25	19.94	22.04	0.160
16QAM	2310	38750	10	50	0	19.90	22.00	0.158

LTE Band 40(2350-2360)

9 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2352.5	39175	5	1	0	21.20
QPSK	2352.5	39175	5	1	12	21.22
QPSK	2352.5	39175	5	1	24	21.16
QPSK	2352.5	39175	5	12	0	20.30
QPSK	2352.5	39175	5	12	7	20.35
QPSK	2352.5	39175	5	12	13	20.30
QPSK	2352.5	39175	5	25	0	20.29
QPSK	2355	39200	5	1	0	21.39
QPSK	2355	39200	5	1	12	21.37
QPSK	2355	39200	5	1	24	21.29
QPSK	2355	39200	5	12	0	20.29
QPSK	2355	39200	5	12	7	20.31
QPSK	2355	39200	5	12	13	20.26
QPSK	2355	39200	5	25	0	20.27
QPSK	2357.5	39225	5	1	0	21.21
QPSK	2357.5	39225	5	1	12	21.16
QPSK	2357.5	39225	5	1	24	21.18
QPSK	2357.5	39225	5	12	0	20.22
QPSK	2357.5	39225	5	12	7	20.28
QPSK	2357.5	39225	5	12	13	20.25
QPSK	2357.5	39225	5	25	0	20.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2352.5	39175	5	1	0	20.71
16QAM	2352.5	39175	5	1	12	20.69
16QAM	2352.5	39175	5	1	24	20.66
16QAM	2352.5	39175	5	12	0	19.38
16QAM	2352.5	39175	5	12	7	19.38
16QAM	2352.5	39175	5	12	13	19.34
16QAM	2352.5	39175	5	25	0	19.26
16QAM	2355	39200	5	1	0	20.71
16QAM	2355	39200	5	1	12	20.57
16QAM	2355	39200	5	1	24	20.56
16QAM	2355	39200	5	12	0	19.32
16QAM	2355	39200	5	12	7	19.35
16QAM	2355	39200	5	12	13	19.37
16QAM	2355	39200	5	25	0	19.36
16QAM	2357.5	39225	5	1	0	20.36
16QAM	2357.5	39225	5	1	12	20.28
16QAM	2357.5	39225	5	1	24	20.47
16QAM	2357.5	39225	5	12	0	19.21
16QAM	2357.5	39225	5	12	7	19.25
16QAM	2357.5	39225	5	12	13	19.25
16QAM	2357.5	39225	5	25	0	19.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2355	39200	10	1	0	21.25
QPSK	2355	39200	10	1	25	21.26
QPSK	2355	39200	10	1	49	21.20
QPSK	2355	39200	10	25	0	20.26
QPSK	2355	39200	10	25	12	20.32
QPSK	2355	39200	10	25	25	20.29
QPSK	2355	39200	10	50	0	20.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2355	39200	10	1	0	20.52
16QAM	2355	39200	10	1	25	20.57
16QAM	2355	39200	10	1	49	20.47
16QAM	2355	39200	10	25	0	19.31
16QAM	2355	39200	10	25	12	19.30
16QAM	2355	39200	10	25	25	19.38
16QAM	2355	39200	10	50	0	19.33

10 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	QPSK	2352.5	39175	5	25	0	4.472	Fig.1
40	QPSK	2355	39200	5	25	0	4.493	Fig.2
40	QPSK	2357.5	39225	5	25	0	4.472	Fig.3
40	QPSK	2355	39200	10	50	0	8.944	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	16QAM	2352.5	39175	5	25	0	4.472	Fig.7
40	16QAM	2355	39200	5	25	0	4.472	Fig.8
40	16QAM	2357.5	39225	5	25	0	4.472	Fig.9
40	16QAM	2355	39200	10	50	0	8.944	Fig.12

Test Mode: QPSK

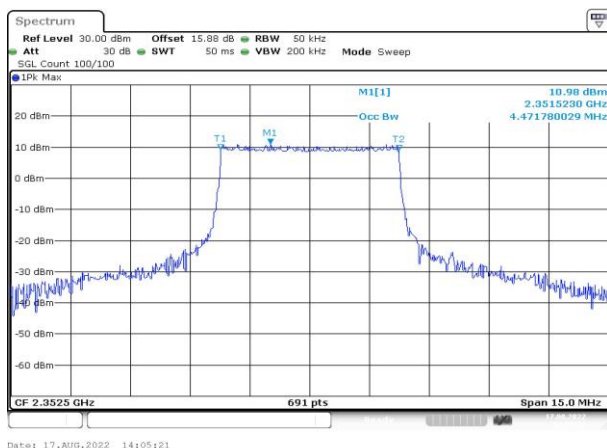


Fig.1

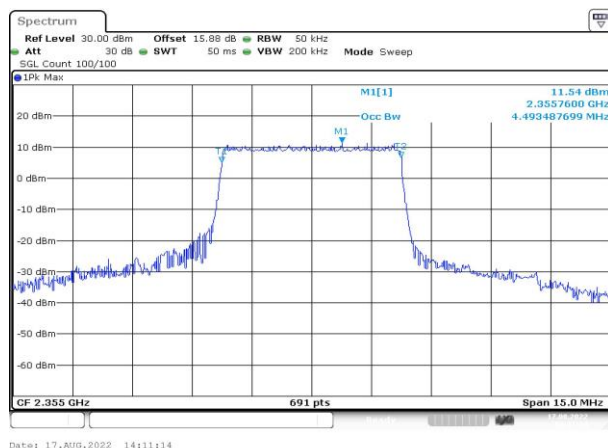


Fig.2

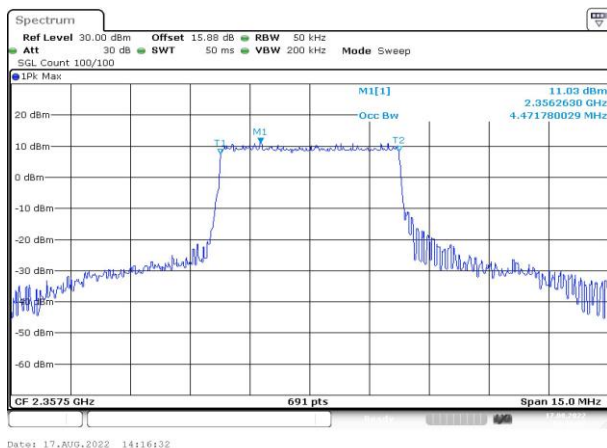


Fig.3

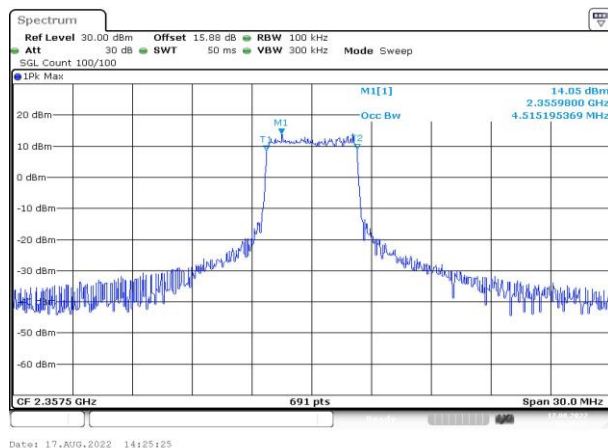


Fig.4

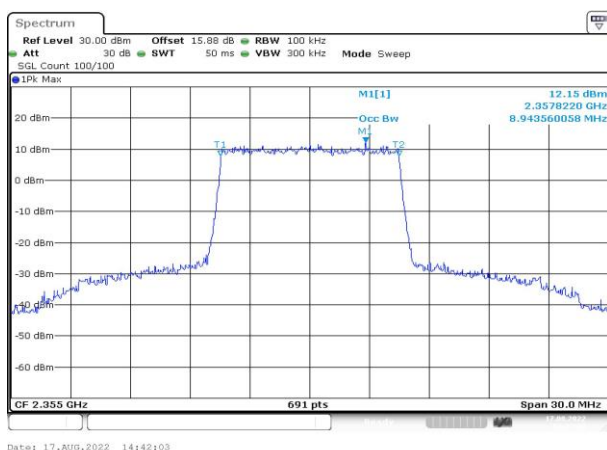


Fig.5

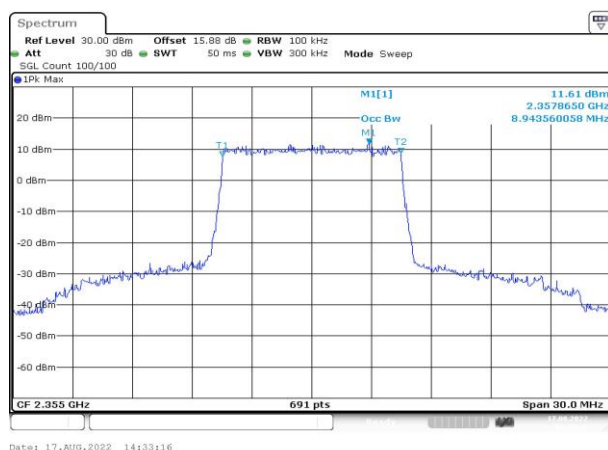


Fig.6

Test Mode: 16QAM

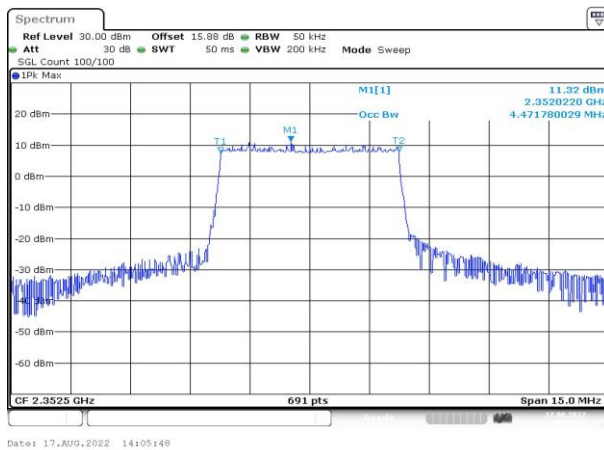


Fig.7

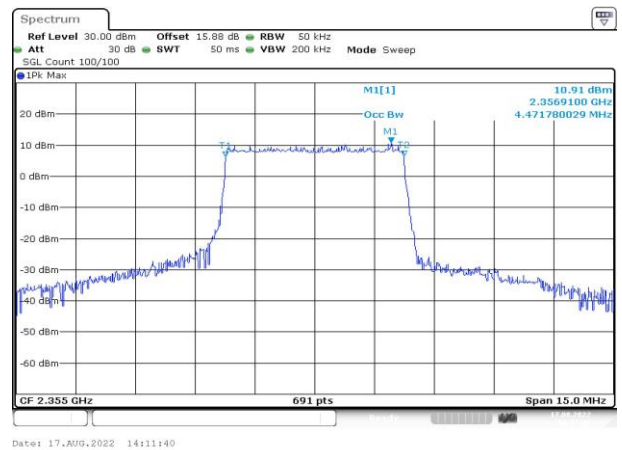


Fig.8

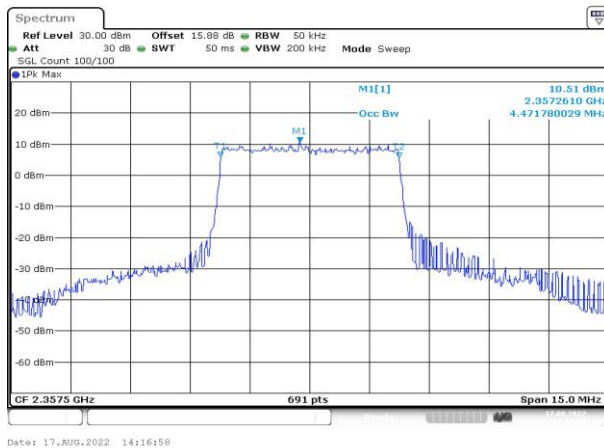


Fig.9

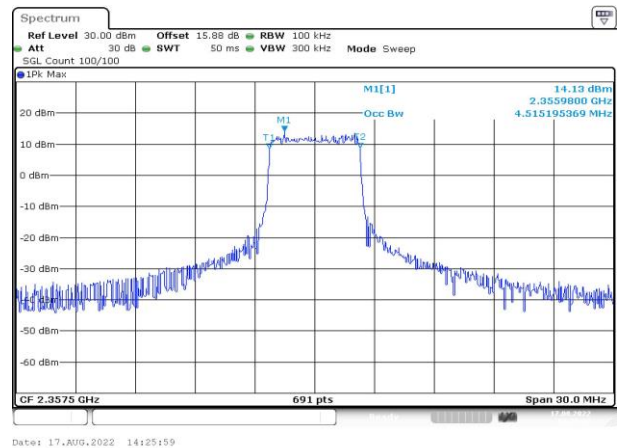


Fig.10

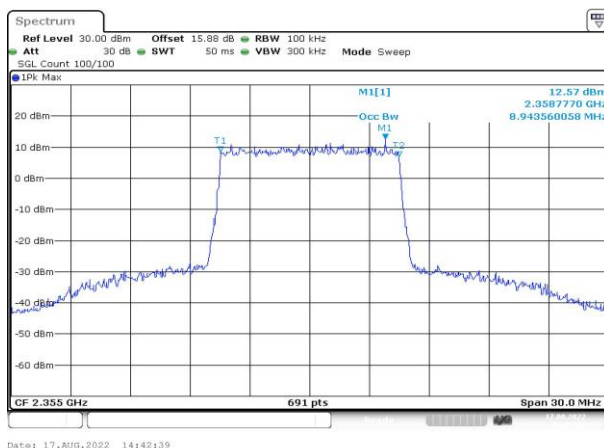


Fig.11

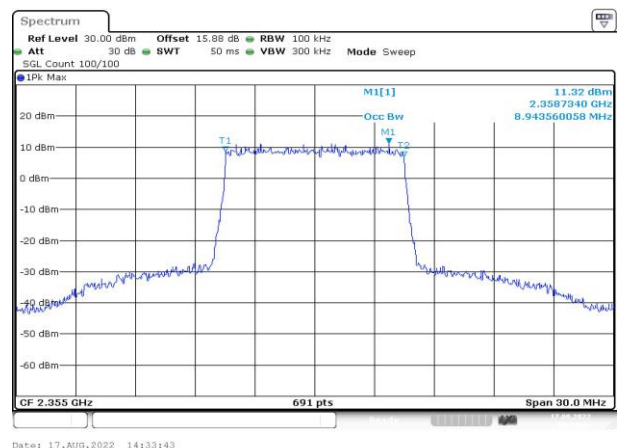


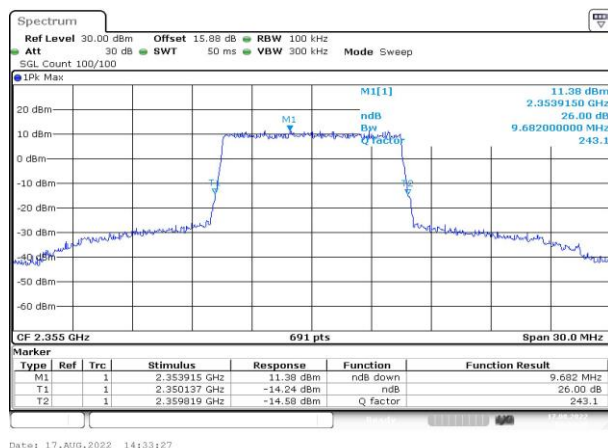
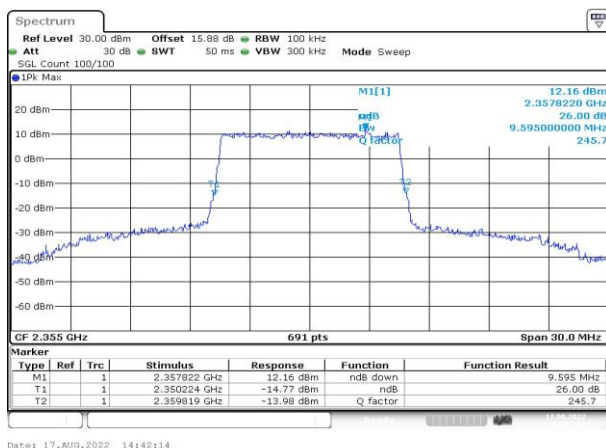
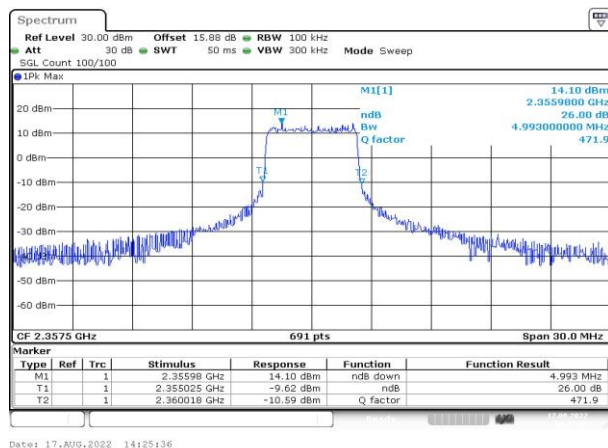
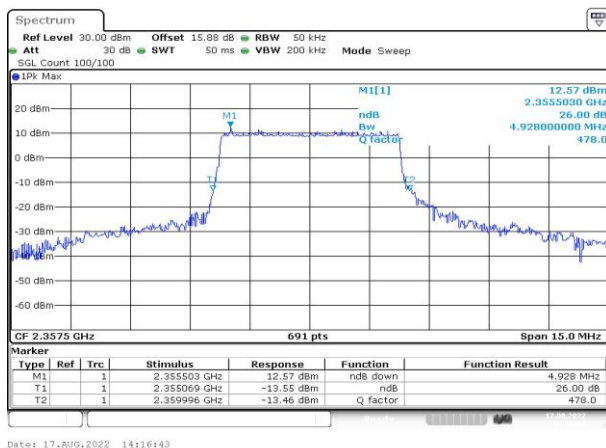
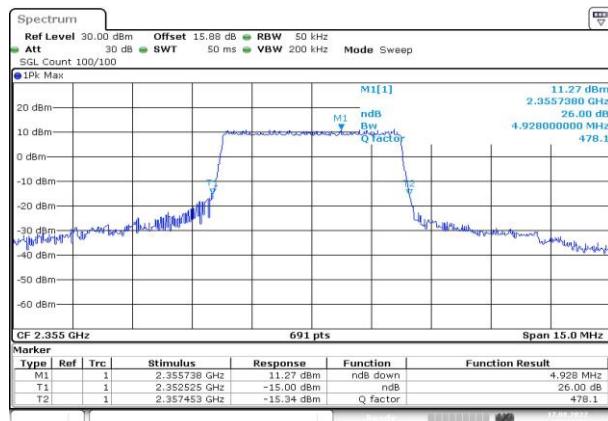
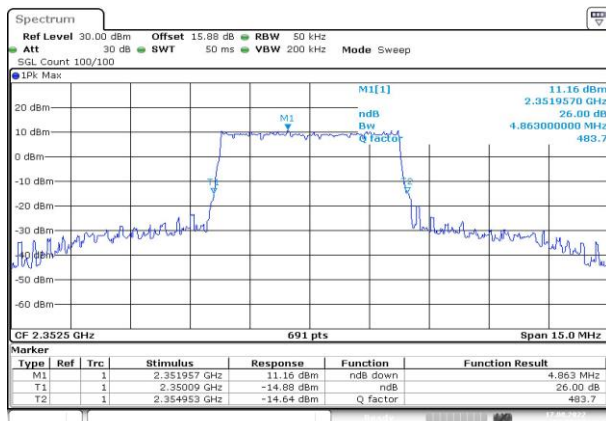
Fig.12

11 Emission Bandwidth

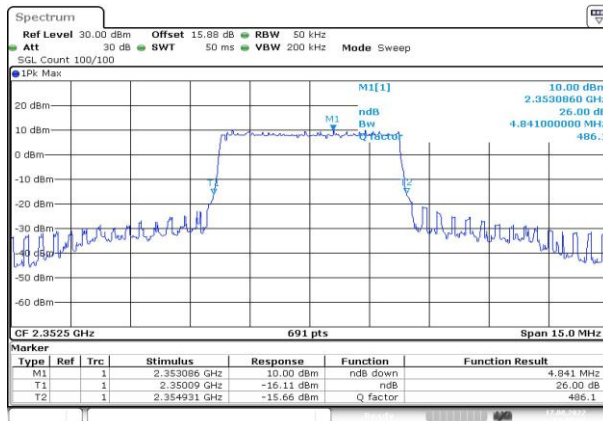
Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	QPSK	2352.5	39175	5	25	0	4.863	Fig.1
40	QPSK	2355	39200	5	25	0	4.928	Fig.2
40	QPSK	2357.5	39225	5	25	0	4.928	Fig.3
40	QPSK	2355	39200	10	50	0	9.682	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	16QAM	2352.5	39175	5	25	0	4.841	Fig.7
40	16QAM	2355	39200	5	25	0	4.841	Fig.8
40	16QAM	2357.5	39225	5	25	0	4.863	Fig.9
40	16QAM	2355	39200	10	50	0	9.595	Fig.12

Test Mode: QPSK

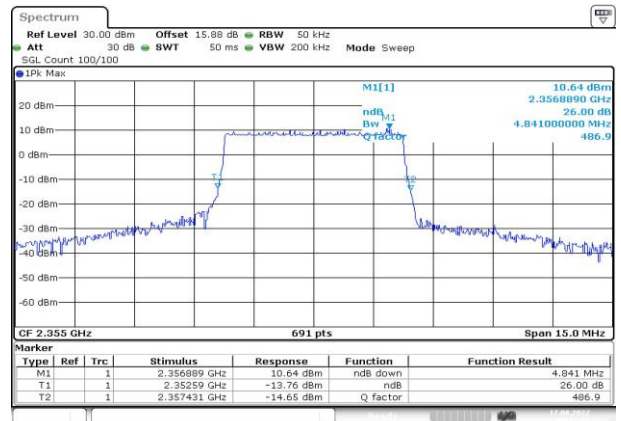


Test Mode: 16QAM



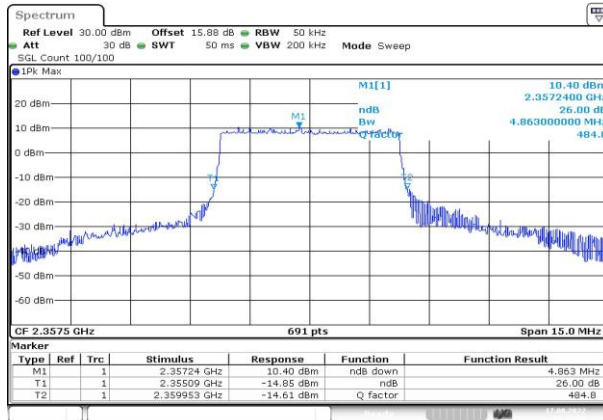
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Fig.7



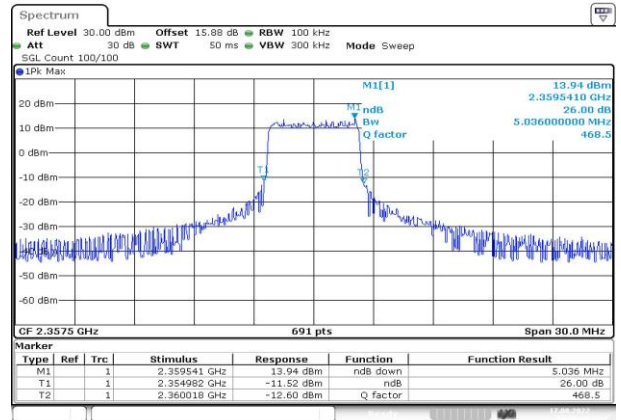
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Fig.8



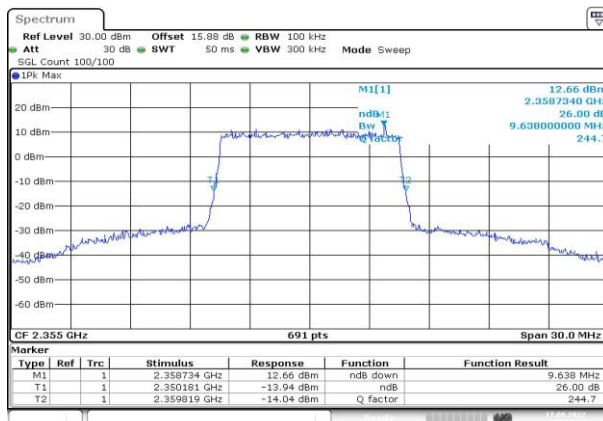
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Fig.9



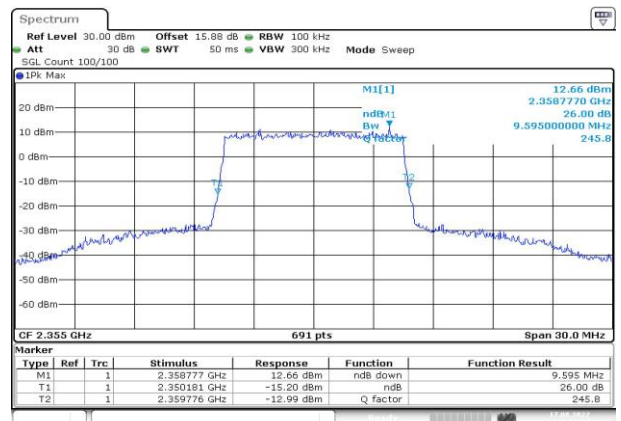
Date: 17.AUG.2022 14:26:10

Fig.10



Date: 17.AUG.2022 14:42:49

Fig.11



Date: 17.AUG.2022 14:33:54

Fig.12

12 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
40	2352.5	39175	5	1	24	Fig.1	Fig.2
40	2352.5	39175	5	25	0	Fig.4	Fig.5
40	2355	39200	5	1	24	Fig.7	Fig.8
40	2355	39200	5	25	0	Fig.10	Fig.11
40	2357.5	39225	5	1	24	Fig.13	Fig.14
40	2357.5	39225	5	25	0	Fig.16	Fig.17
40	2355	39200	10	1	49	Fig.31	Fig.32
40	2355	39200	10	50	0	Fig.34	Fig.35

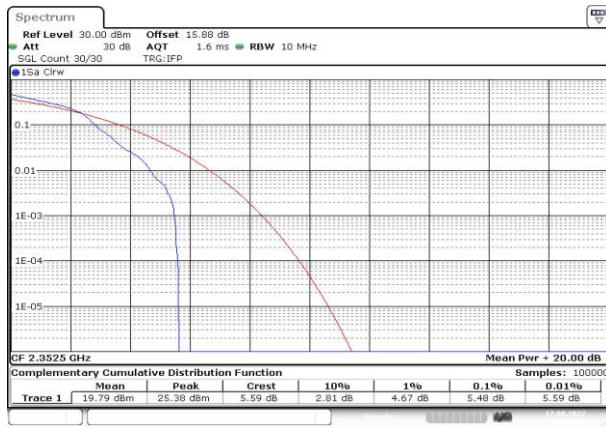


Fig.1

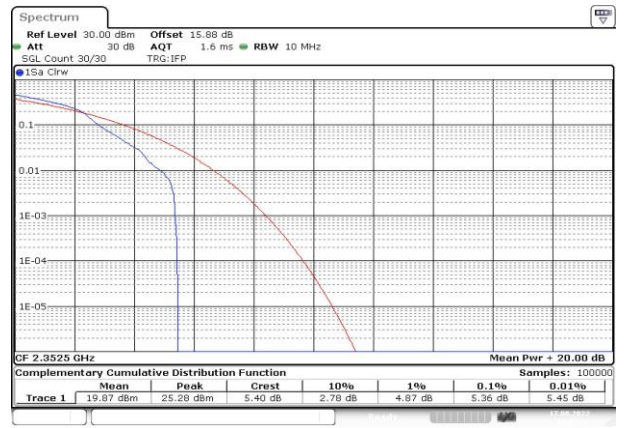


Fig.2

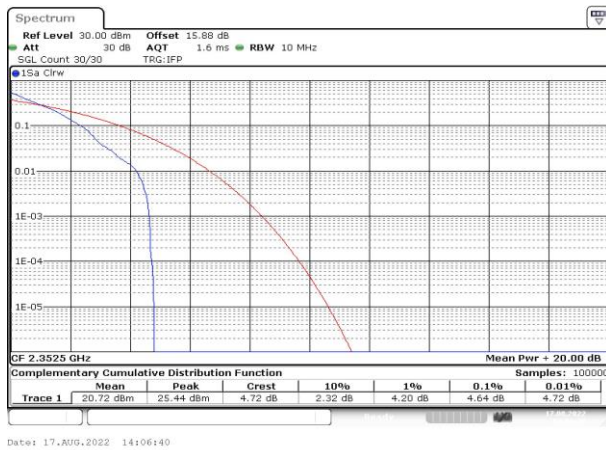


Fig.3

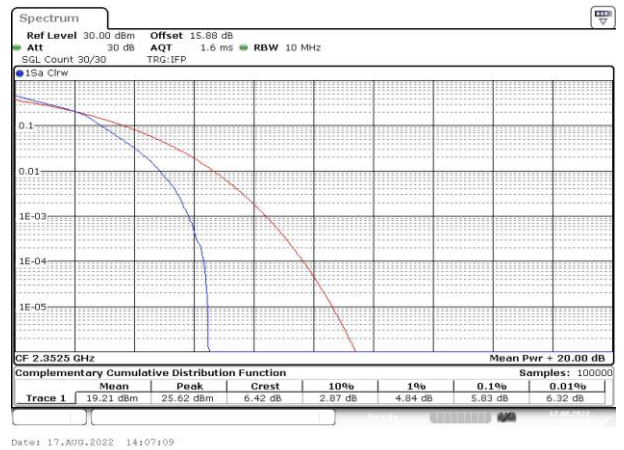


Fig.4

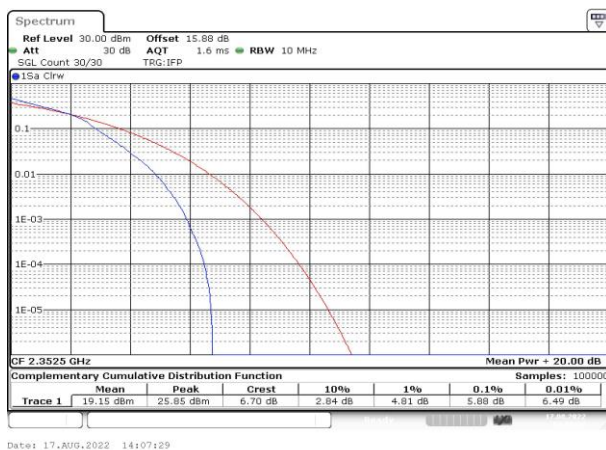


Fig.5

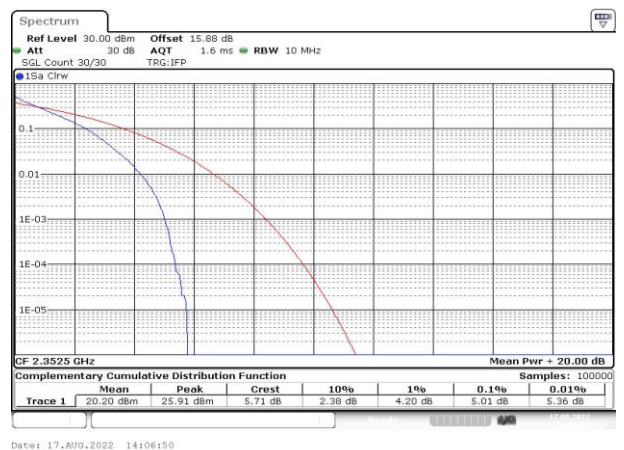


Fig.6



Fig.7

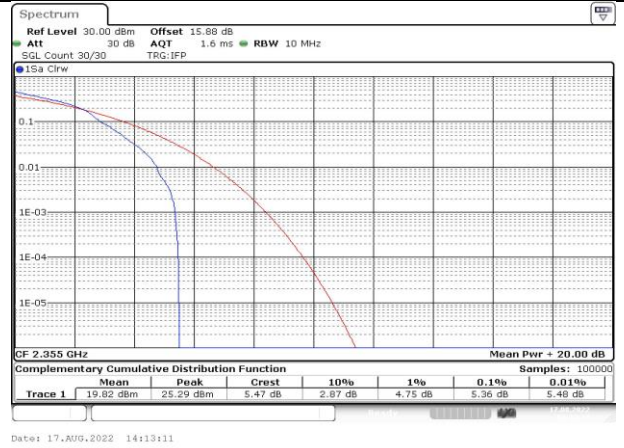


Fig.8

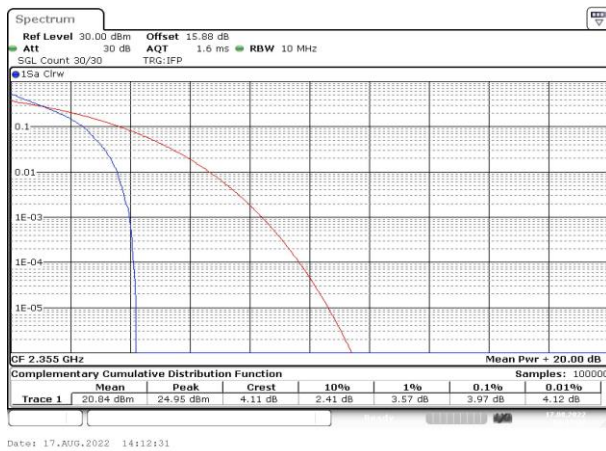


Fig.9

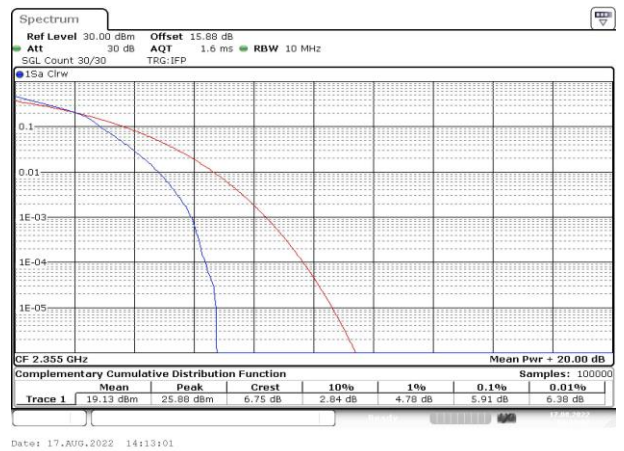


Fig.10

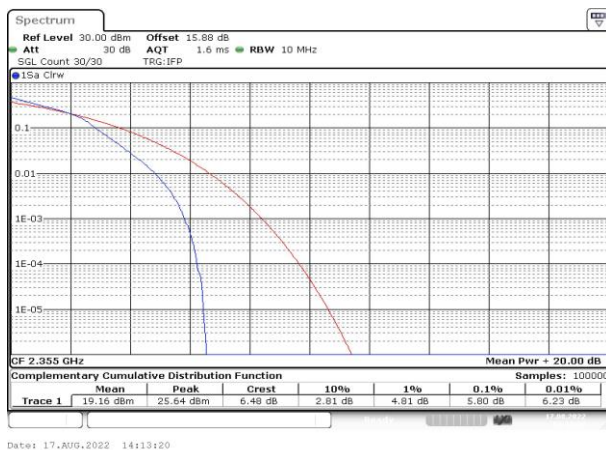


Fig.11

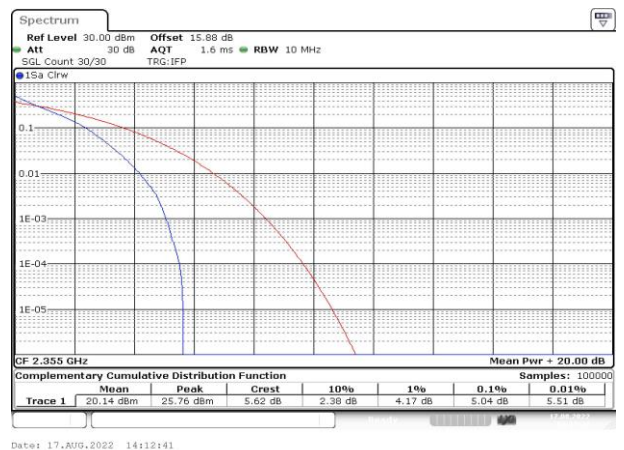


Fig.12