

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	21.29
QPSK	2572.5	37775	5	1	12	21.26
QPSK	2572.5	37775	5	1	24	21.37
QPSK	2572.5	37775	5	12	0	20.24
QPSK	2572.5	37775	5	12	7	20.31
QPSK	2572.5	37775	5	12	13	20.36
QPSK	2572.5	37775	5	25	0	20.34
QPSK	2595	38000	5	1	0	21.14
QPSK	2595	38000	5	1	12	21.13
QPSK	2595	38000	5	1	24	21.21
QPSK	2595	38000	5	12	0	20.07
QPSK	2595	38000	5	12	7	20.12
QPSK	2595	38000	5	12	13	20.12
QPSK	2595	38000	5	25	0	20.09
QPSK	2617.5	38225	5	1	0	21.12
QPSK	2617.5	38225	5	1	12	21.30
QPSK	2617.5	38225	5	1	24	21.26
QPSK	2617.5	38225	5	12	0	20.31
QPSK	2617.5	38225	5	12	7	20.36
QPSK	2617.5	38225	5	12	13	20.31
QPSK	2617.5	38225	5	25	0	20.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	20.70
16QAM	2572.5	37775	5	1	12	20.69
16QAM	2572.5	37775	5	1	24	20.75
16QAM	2572.5	37775	5	12	0	19.35
16QAM	2572.5	37775	5	12	7	19.34
16QAM	2572.5	37775	5	12	13	19.42
16QAM	2572.5	37775	5	25	0	19.22
16QAM	2595	38000	5	1	0	20.52
16QAM	2595	38000	5	1	12	20.38
16QAM	2595	38000	5	1	24	20.53
16QAM	2595	38000	5	12	0	19.11
16QAM	2595	38000	5	12	7	19.18
16QAM	2595	38000	5	12	13	19.17
16QAM	2595	38000	5	25	0	19.18
16QAM	2617.5	38225	5	1	0	20.41
16QAM	2617.5	38225	5	1	12	20.49
16QAM	2617.5	38225	5	1	24	20.54
16QAM	2617.5	38225	5	12	0	19.22
16QAM	2617.5	38225	5	12	7	19.31
16QAM	2617.5	38225	5	12	13	19.36
16QAM	2617.5	38225	5	25	0	19.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	21.29
QPSK	2575	37800	10	1	25	21.28
QPSK	2575	37800	10	1	49	21.30
QPSK	2575	37800	10	25	0	20.21
QPSK	2575	37800	10	25	12	20.19
QPSK	2575	37800	10	25	25	20.17
QPSK	2575	37800	10	50	0	20.23
QPSK	2595	38000	10	1	0	21.08
QPSK	2595	38000	10	1	25	21.17
QPSK	2595	38000	10	1	49	21.13
QPSK	2595	38000	10	25	0	20.06
QPSK	2595	38000	10	25	12	20.18
QPSK	2595	38000	10	25	25	20.14
QPSK	2595	38000	10	50	0	20.12
QPSK	2615	38200	10	1	0	21.21
QPSK	2615	38200	10	1	25	21.27
QPSK	2615	38200	10	1	49	21.46
QPSK	2615	38200	10	25	0	20.26
QPSK	2615	38200	10	25	12	20.34
QPSK	2615	38200	10	25	25	20.36
QPSK	2615	38200	10	50	0	20.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	20.59
16QAM	2575	37800	10	1	25	20.60
16QAM	2575	37800	10	1	49	20.46
16QAM	2575	37800	10	25	0	19.27
16QAM	2575	37800	10	25	12	19.27
16QAM	2575	37800	10	25	25	19.24
16QAM	2575	37800	10	50	0	19.26
16QAM	2595	38000	10	1	0	20.45
16QAM	2595	38000	10	1	25	20.22
16QAM	2595	38000	10	1	49	20.52
16QAM	2595	38000	10	25	0	19.06
16QAM	2595	38000	10	25	12	19.13
16QAM	2595	38000	10	25	25	19.15
16QAM	2595	38000	10	50	0	19.13
16QAM	2615	38200	10	1	0	20.28
16QAM	2615	38200	10	1	25	20.38
16QAM	2615	38200	10	1	49	20.42
16QAM	2615	38200	10	25	0	19.23
16QAM	2615	38200	10	25	12	19.32
16QAM	2615	38200	10	25	25	19.28
16QAM	2615	38200	10	50	0	19.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	21.28
QPSK	2577.5	37825	15	1	37	21.39
QPSK	2577.5	37825	15	1	74	21.30
QPSK	2577.5	37825	15	36	0	20.26
QPSK	2577.5	37825	15	36	29	20.32
QPSK	2577.5	37825	15	36	30	20.31
QPSK	2577.5	37825	15	75	0	20.26
QPSK	2595	38000	15	1	0	21.24
QPSK	2595	38000	15	1	37	21.09
QPSK	2595	38000	15	1	74	21.19
QPSK	2595	38000	15	36	0	20.18
QPSK	2595	38000	15	36	29	20.24
QPSK	2595	38000	15	36	30	20.26
QPSK	2595	38000	15	75	0	20.19
QPSK	2612.5	38175	15	1	0	21.29
QPSK	2612.5	38175	15	1	37	21.21
QPSK	2612.5	38175	15	1	74	21.45
QPSK	2612.5	38175	15	36	0	20.32
QPSK	2612.5	38175	15	36	29	20.33
QPSK	2612.5	38175	15	36	30	20.36
QPSK	2612.5	38175	15	75	0	20.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	20.63
16QAM	2577.5	37825	15	1	37	20.44
16QAM	2577.5	37825	15	1	74	20.50
16QAM	2577.5	37825	15	36	0	19.23
16QAM	2577.5	37825	15	36	29	19.39
16QAM	2577.5	37825	15	36	30	19.31
16QAM	2577.5	37825	15	75	0	19.25
16QAM	2595	38000	15	1	0	20.65
16QAM	2595	38000	15	1	37	20.49
16QAM	2595	38000	15	1	74	20.60
16QAM	2595	38000	15	36	0	19.14
16QAM	2595	38000	15	36	29	19.24
16QAM	2595	38000	15	36	30	19.22
16QAM	2595	38000	15	75	0	19.21
16QAM	2612.5	38175	15	1	0	20.60
16QAM	2612.5	38175	15	1	37	20.46
16QAM	2612.5	38175	15	1	74	20.58
16QAM	2612.5	38175	15	36	0	19.36
16QAM	2612.5	38175	15	36	29	19.29
16QAM	2612.5	38175	15	36	30	19.36
16QAM	2612.5	38175	15	75	0	19.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	21.36
QPSK	2580	37850	20	1	49	21.26
QPSK	2580	37850	20	1	99	21.26
QPSK	2580	37850	20	50	0	20.38
QPSK	2580	37850	20	50	24	20.40
QPSK	2580	37850	20	50	50	20.27
QPSK	2580	37850	20	100	0	20.36
QPSK	2595	38000	20	1	0	21.33
QPSK	2595	38000	20	1	49	21.19
QPSK	2595	38000	20	1	99	21.32
QPSK	2595	38000	20	50	0	20.14
QPSK	2595	38000	20	50	24	20.27
QPSK	2595	38000	20	50	50	20.26
QPSK	2595	38000	20	100	0	20.22
QPSK	2610	38150	20	1	0	21.32
QPSK	2610	38150	20	1	49	21.25
QPSK	2610	38150	20	1	99	21.46
QPSK	2610	38150	20	50	0	20.42
QPSK	2610	38150	20	50	24	20.42
QPSK	2610	38150	20	50	50	20.45
QPSK	2610	38150	20	100	0	20.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	20.19
16QAM	2580	37850	20	1	49	20.46
16QAM	2580	37850	20	1	99	20.40
16QAM	2580	37850	20	50	0	19.31
16QAM	2580	37850	20	50	24	19.32
16QAM	2580	37850	20	50	50	19.22
16QAM	2580	37850	20	100	0	19.37
16QAM	2595	38000	20	1	0	20.64
16QAM	2595	38000	20	1	49	20.53
16QAM	2595	38000	20	1	99	20.69
16QAM	2595	38000	20	50	0	19.19
16QAM	2595	38000	20	50	24	19.19
16QAM	2595	38000	20	50	50	19.28
16QAM	2595	38000	20	100	0	19.13
16QAM	2610	38150	20	1	0	20.32
16QAM	2610	38150	20	1	49	20.14
16QAM	2610	38150	20	1	99	20.28
16QAM	2610	38150	20	50	0	19.45
16QAM	2610	38150	20	50	24	19.50
16QAM	2610	38150	20	50	50	19.49
16QAM	2610	38150	20	100	0	19.43

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.472	Fig.1
38	QPSK	2595	38000	5	25	0	4.493	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.472	Fig.3
38	QPSK	2575	37800	10	50	0	8.944	Fig.4
38	QPSK	2595	38000	10	50	0	8.944	Fig.5
38	QPSK	2615	38200	10	50	0	8.944	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.415	Fig.7
38	QPSK	2595	38000	15	75	0	13.415	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.415	Fig.9
38	QPSK	2580	37850	20	100	0	17.887	Fig.10
38	QPSK	2595	38000	20	100	0	17.887	Fig.11
38	QPSK	2610	38150	20	100	0	17.887	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.472	Fig.13
38	16QAM	2595	38000	5	25	0	4.472	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.472	Fig.15
38	16QAM	2575	37800	10	50	0	8.944	Fig.16
38	16QAM	2595	38000	10	50	0	8.944	Fig.17
38	16QAM	2615	38200	10	50	0	8.944	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.415	Fig.19
38	16QAM	2595	38000	15	75	0	13.415	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.415	Fig.21
38	16QAM	2580	37850	20	100	0	17.887	Fig.22
38	16QAM	2595	38000	20	100	0	17.887	Fig.23
38	16QAM	2610	38150	20	100	0	17.887	Fig.24

Test Mode: QPSK

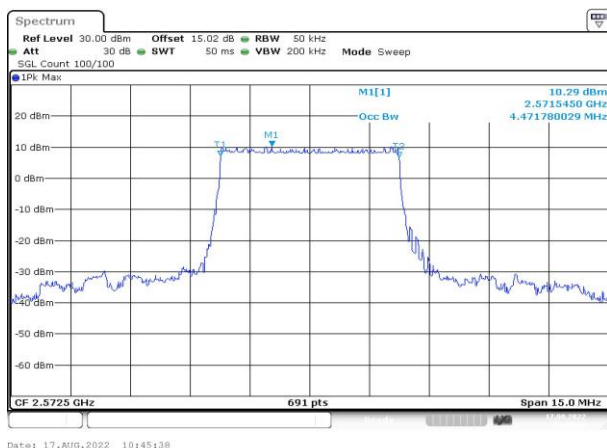


Fig.1

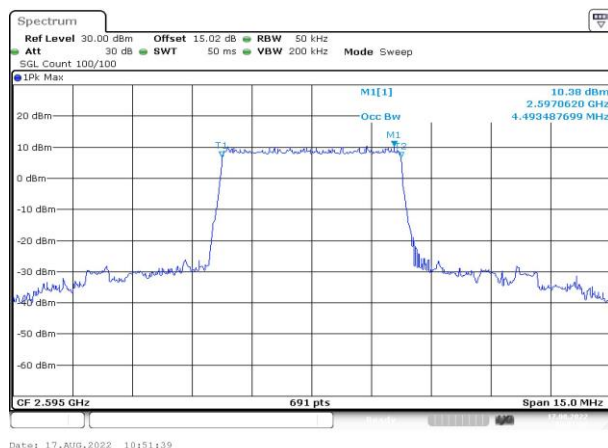


Fig.2

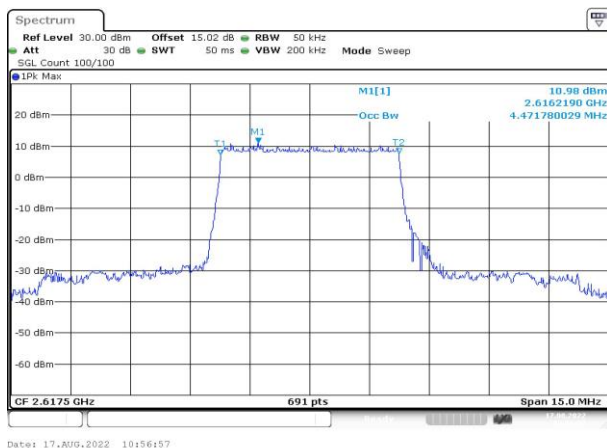


Fig.3

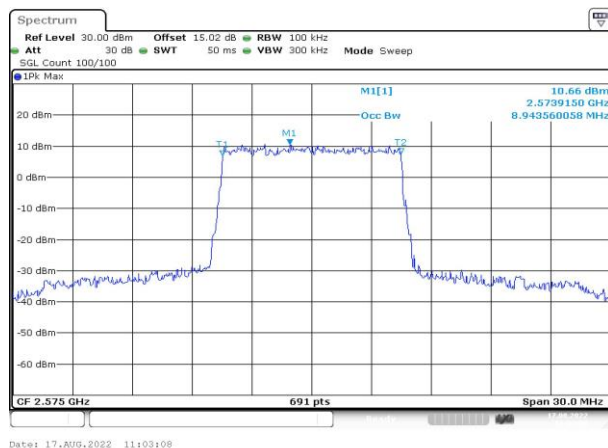


Fig.4

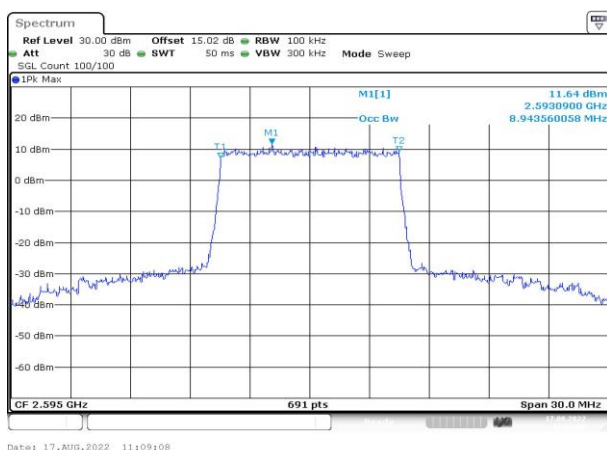


Fig.5

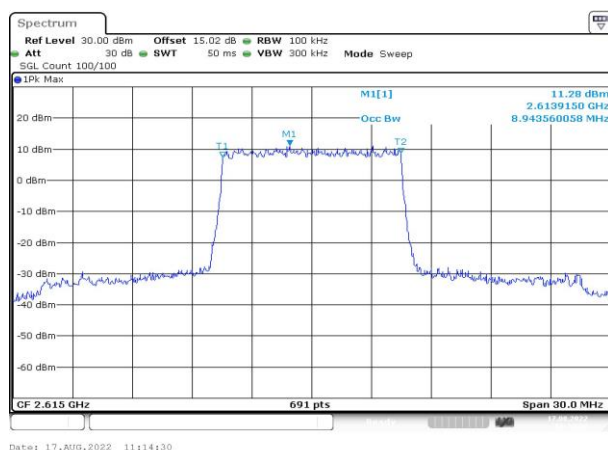


Fig.6

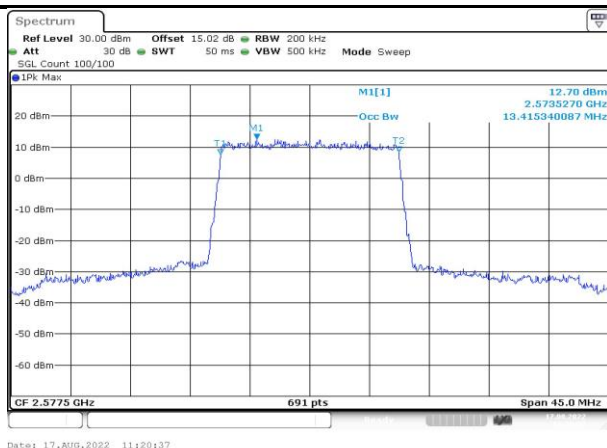


Fig.7

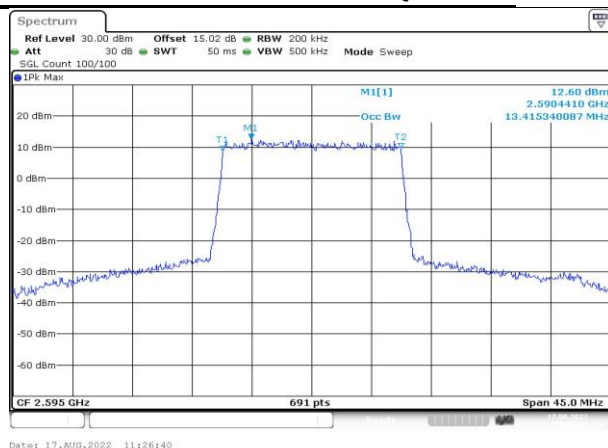


Fig.8

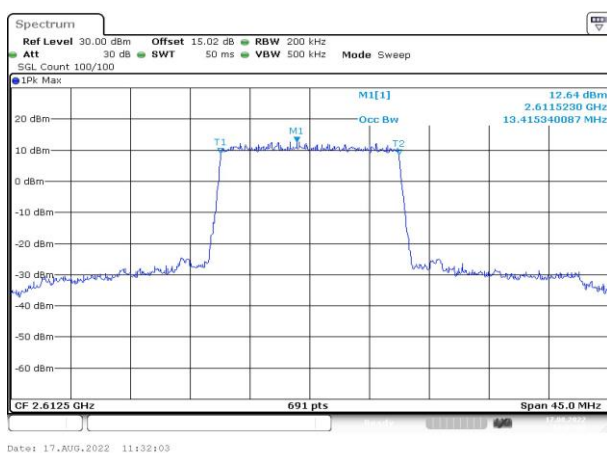


Fig.9

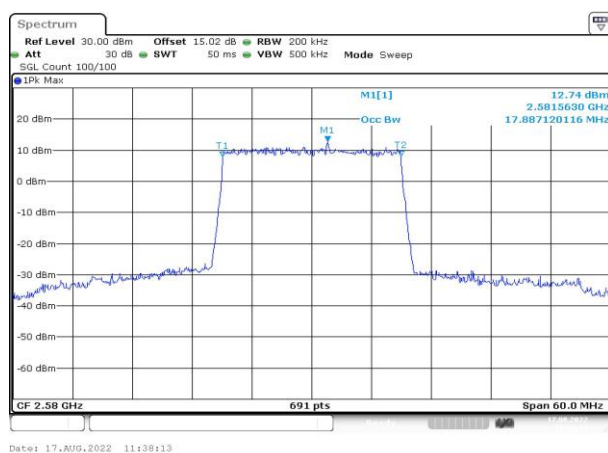


Fig.10

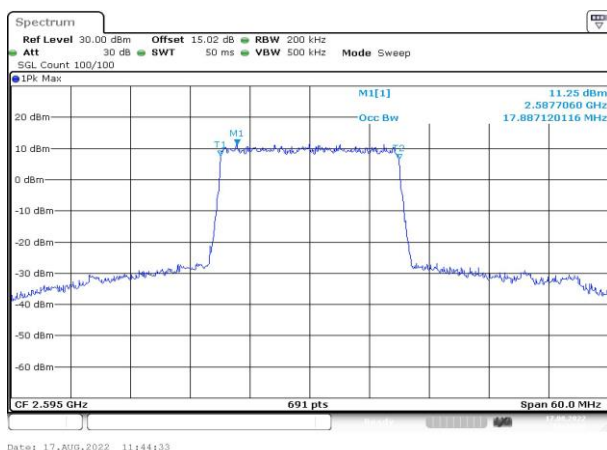


Fig.11

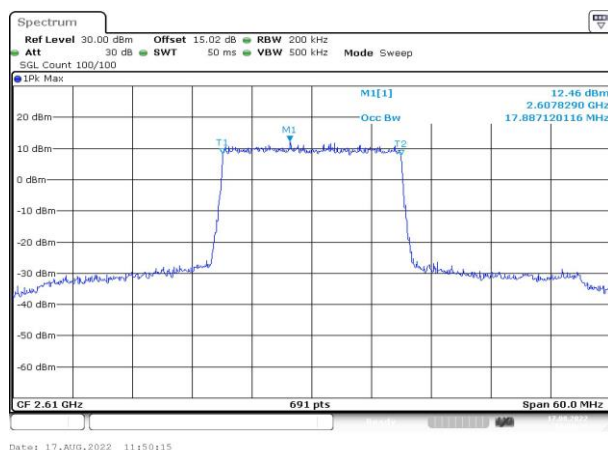


Fig.12

Test Mode: 16QAM

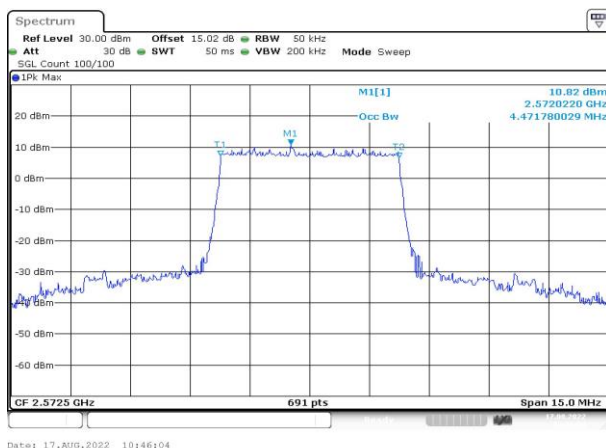


Fig.13

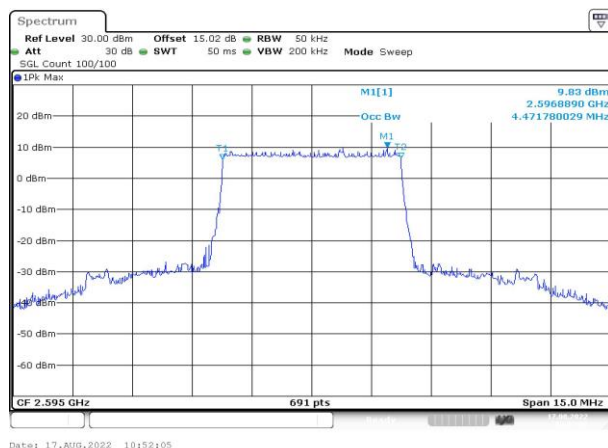


Fig.14

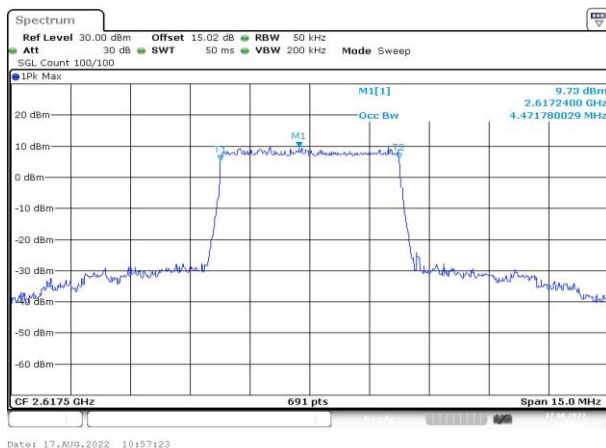


Fig.15

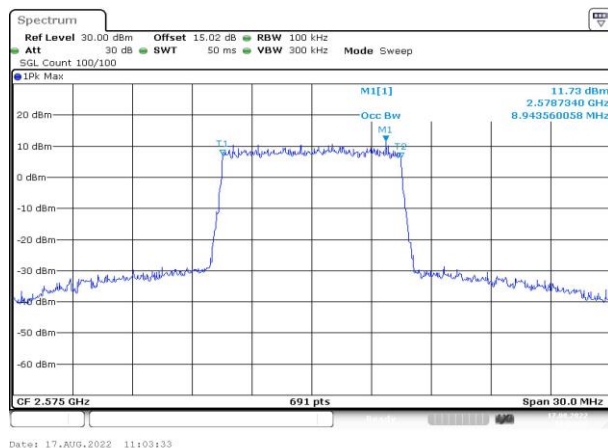


Fig.16

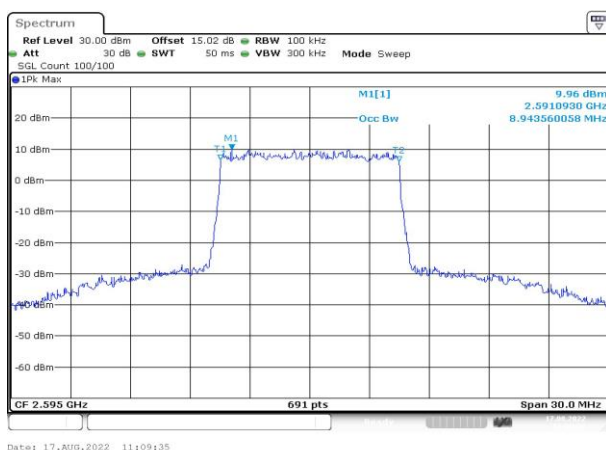


Fig.17

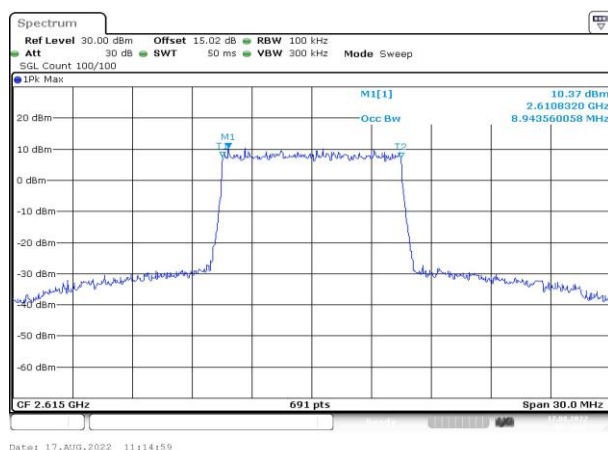


Fig.18

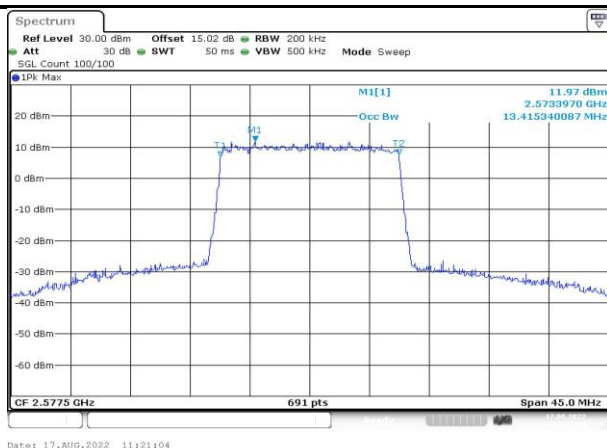


Fig.19

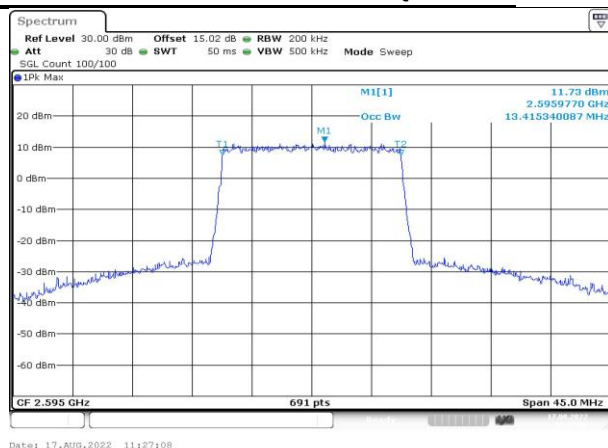


Fig.20

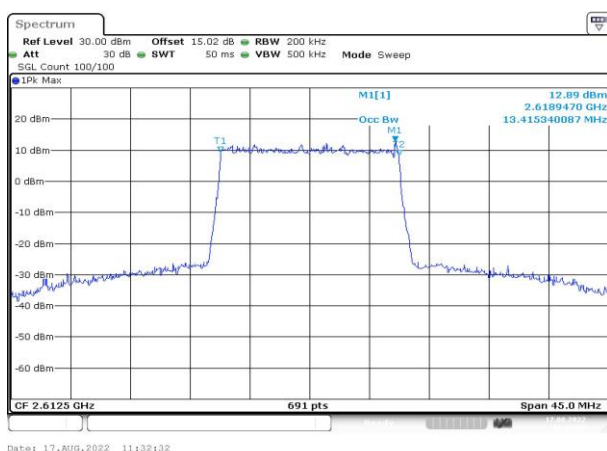


Fig.21

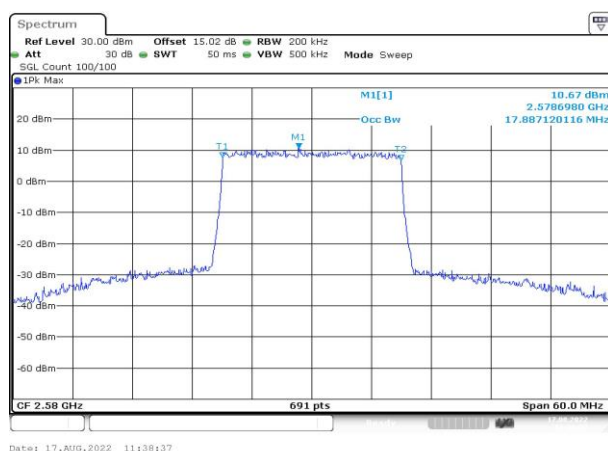


Fig.22

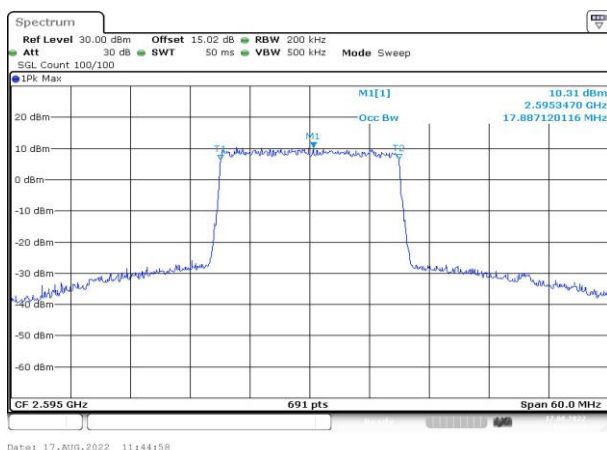


Fig.23

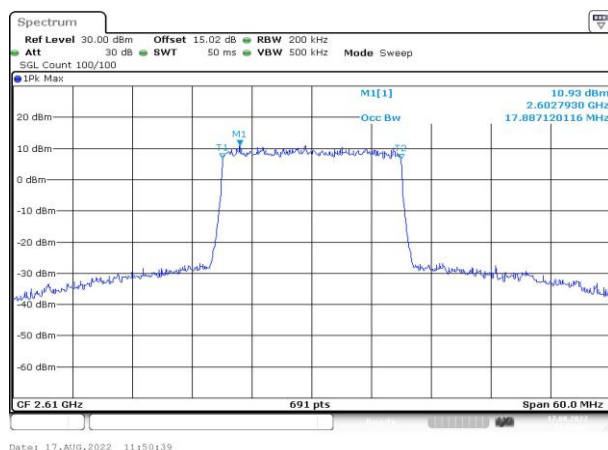


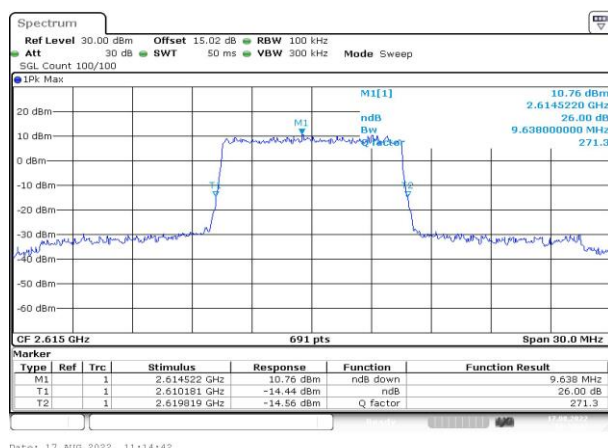
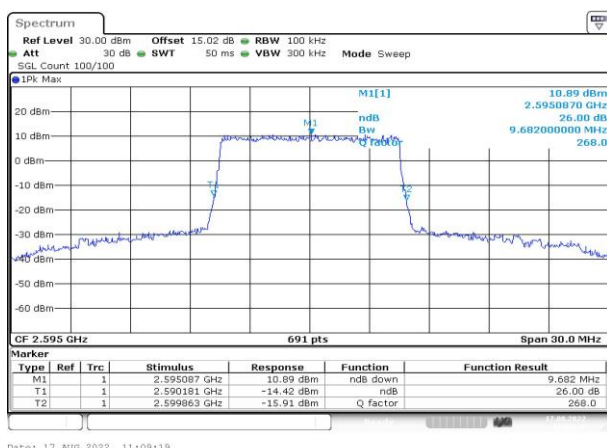
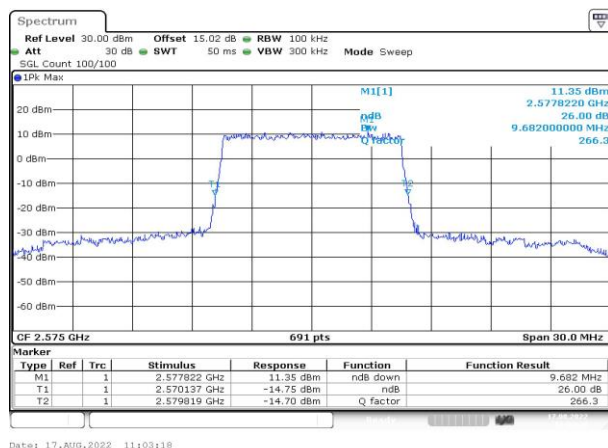
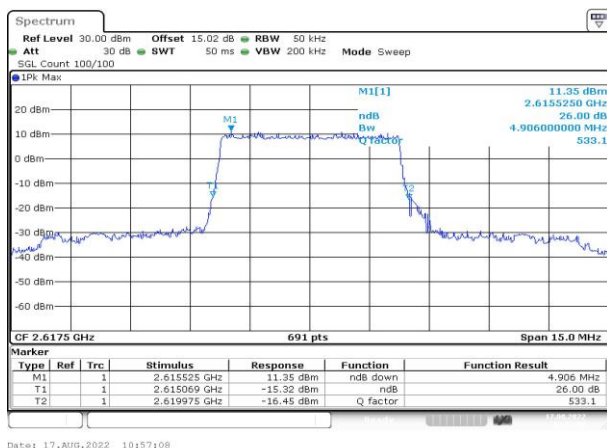
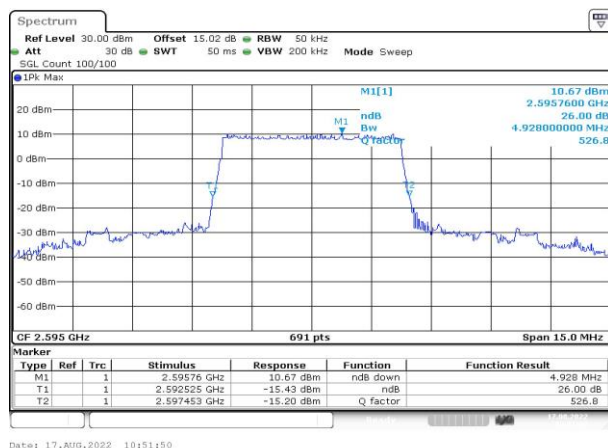
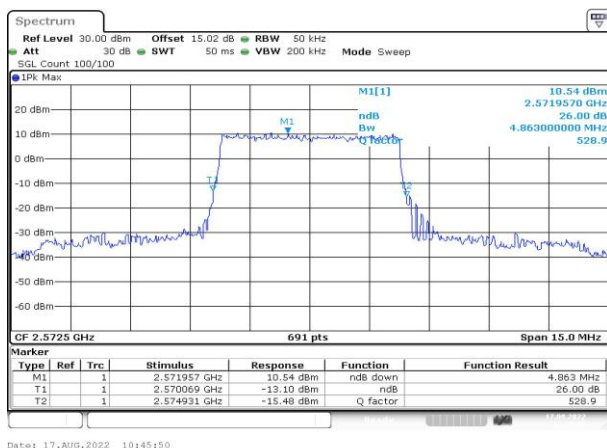
Fig.24

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.863	Fig.1
38	QPSK	2595	38000	5	25	0	4.928	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.906	Fig.3
38	QPSK	2575	37800	10	50	0	9.682	Fig.4
38	QPSK	2595	38000	10	50	0	9.682	Fig.5
38	QPSK	2615	38200	10	50	0	9.638	Fig.6
38	QPSK	2577.5	37825	15	75	0	14.588	Fig.7
38	QPSK	2595	38000	15	75	0	14.522	Fig.8
38	QPSK	2612.5	38175	15	75	0	14.457	Fig.9
38	QPSK	2580	37850	20	100	0	19.103	Fig.10
38	QPSK	2595	38000	20	100	0	19.190	Fig.11
38	QPSK	2610	38150	20	100	0	19.103	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.863	Fig.13
38	16QAM	2595	38000	5	25	0	4.863	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.863	Fig.15
38	16QAM	2575	37800	10	50	0	9.595	Fig.16
38	16QAM	2595	38000	10	50	0	9.551	Fig.17
38	16QAM	2615	38200	10	50	0	9.595	Fig.18
38	16QAM	2577.5	37825	15	75	0	14.457	Fig.19
38	16QAM	2595	38000	15	75	0	14.588	Fig.20
38	16QAM	2612.5	38175	15	75	0	14.522	Fig.21
38	16QAM	2580	37850	20	100	0	19.016	Fig.22
38	16QAM	2595	38000	20	100	0	19.190	Fig.23
38	16QAM	2610	38150	20	100	0	19.016	Fig.24

Test Mode: QPSK



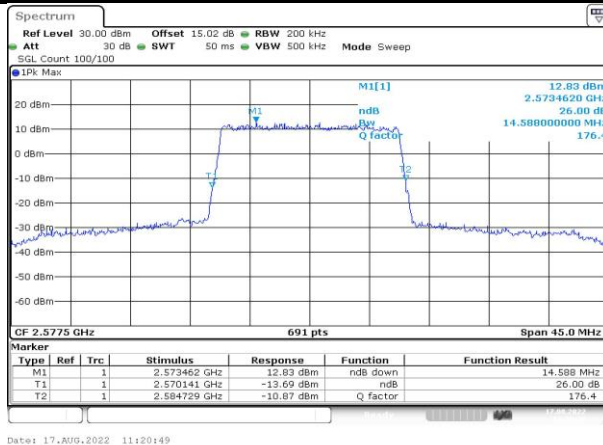


Fig.7

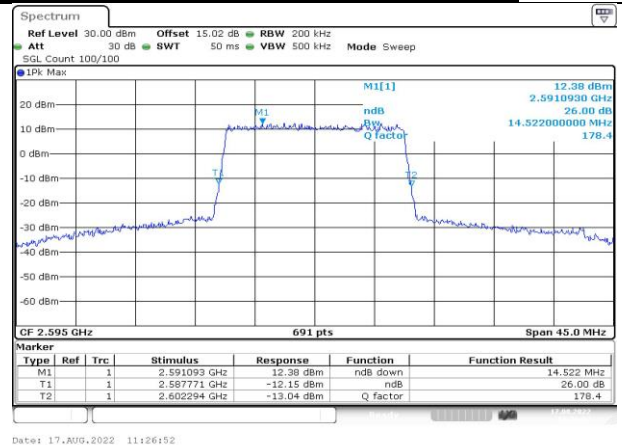


Fig.8

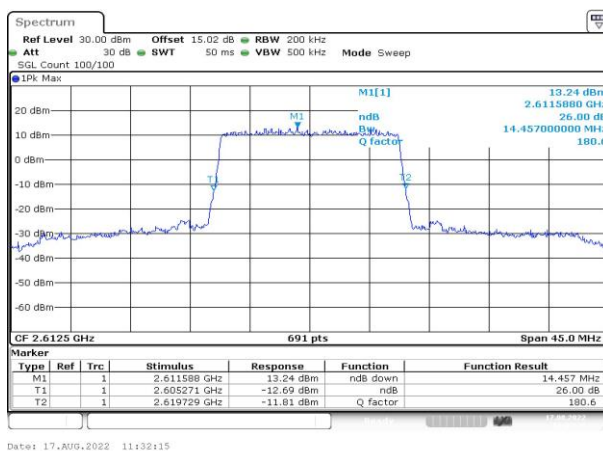


Fig.9

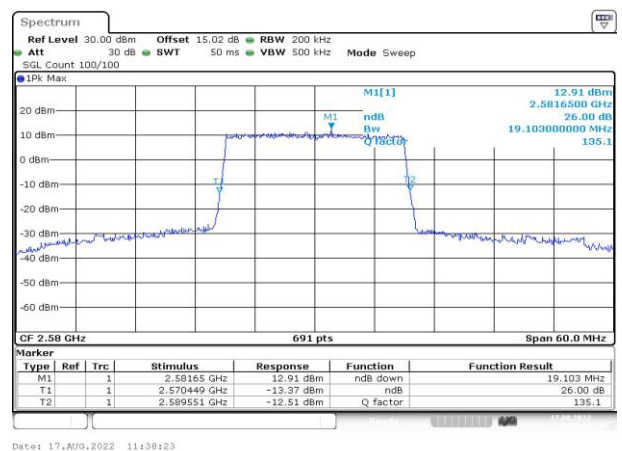


Fig.10

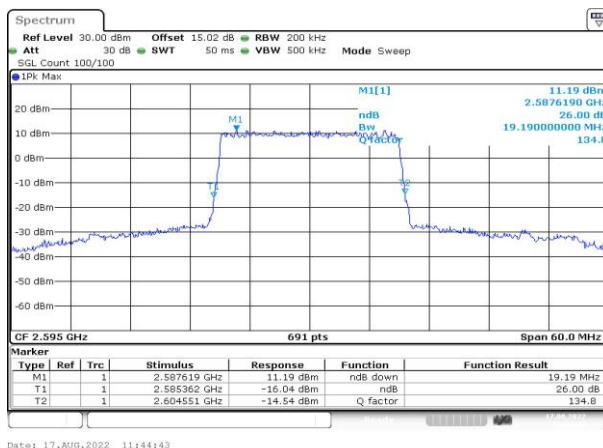


Fig.11

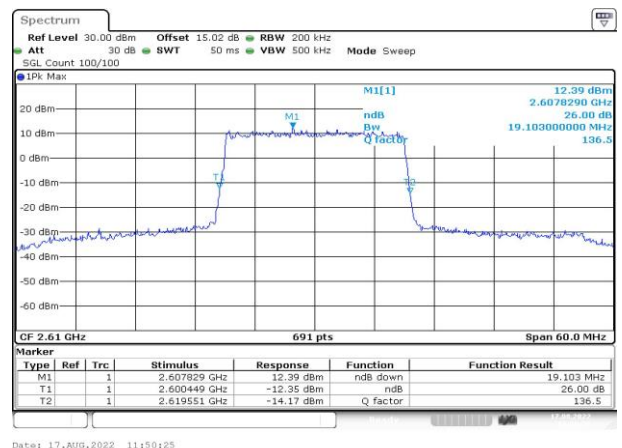


Fig.12

Test Mode: 16QAM

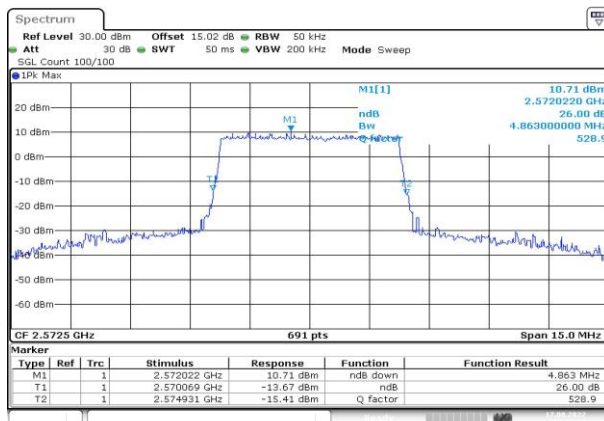


Fig.13

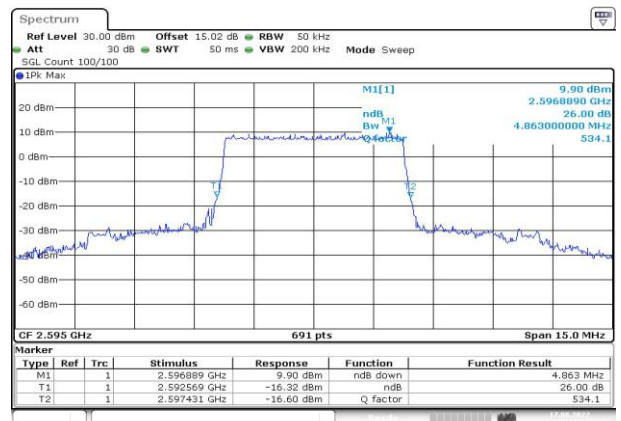


Fig.14

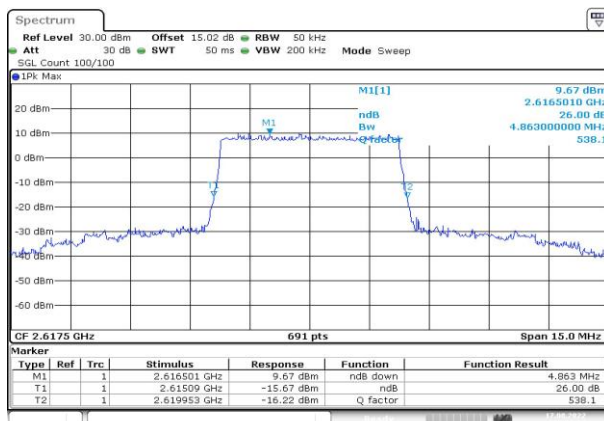


Fig.15

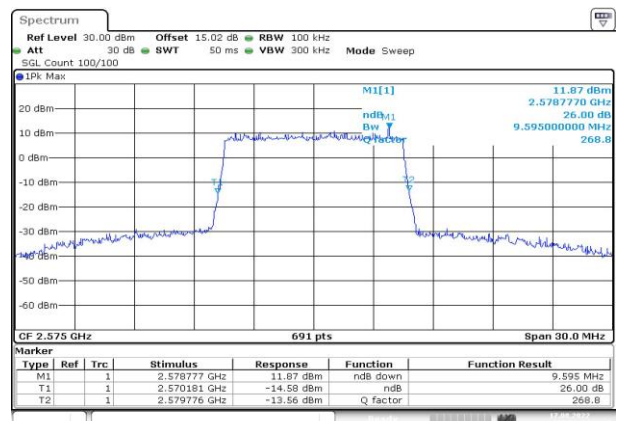


Fig.16

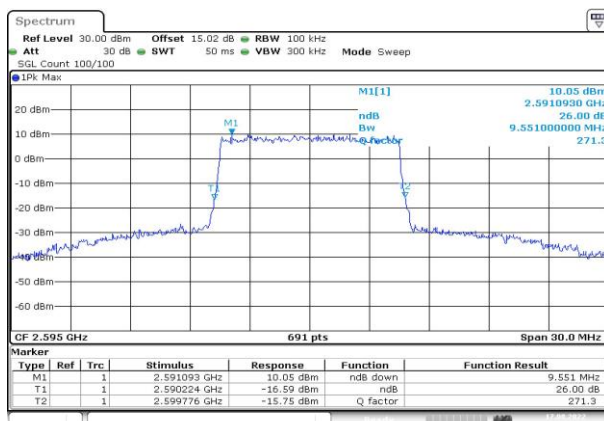


Fig.17

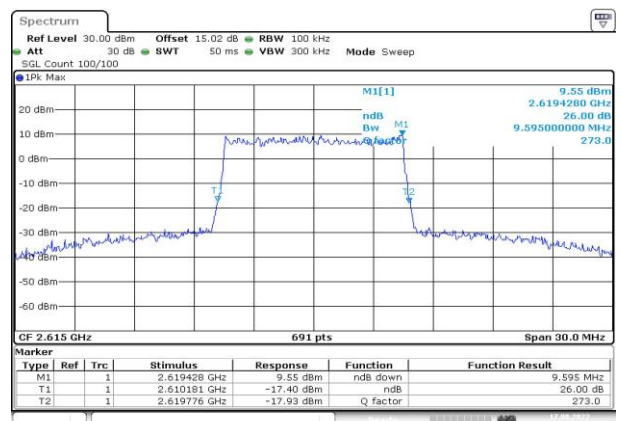


Fig.18

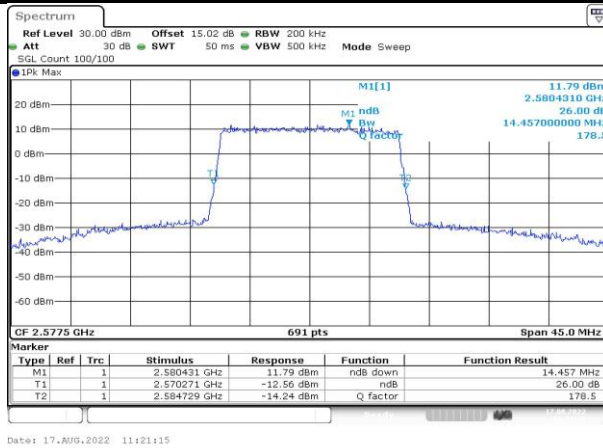


Fig.19



Fig.20

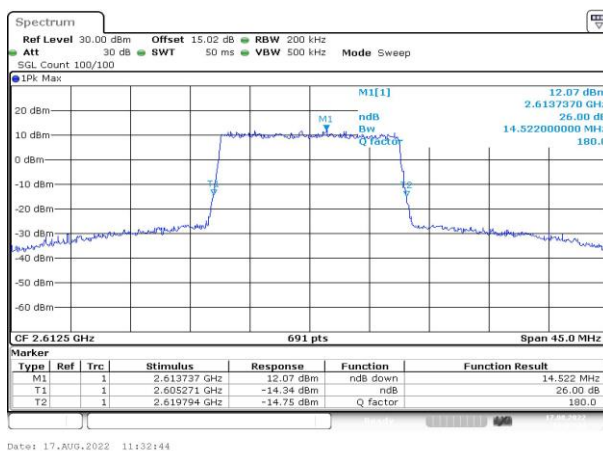


Fig.21

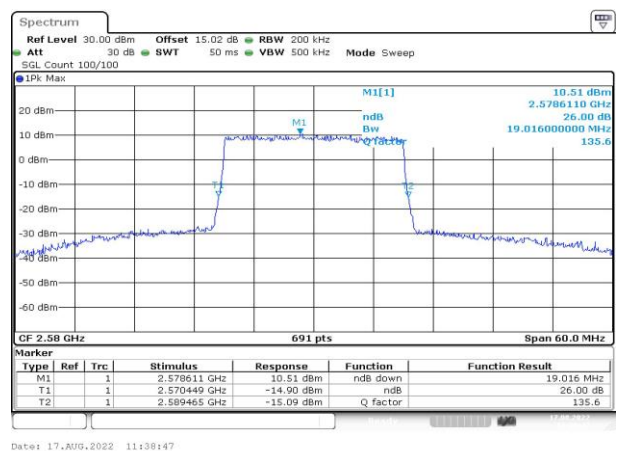


Fig.22

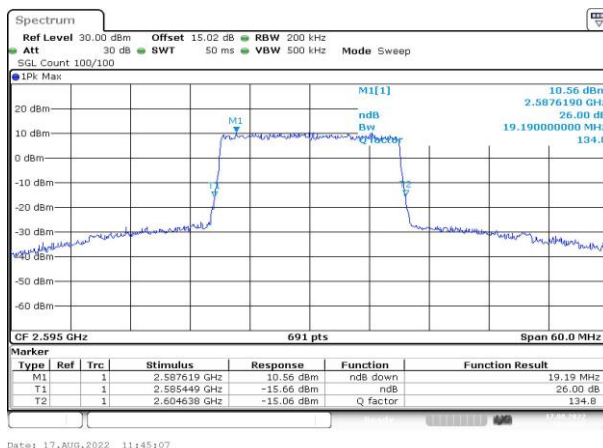


Fig.23

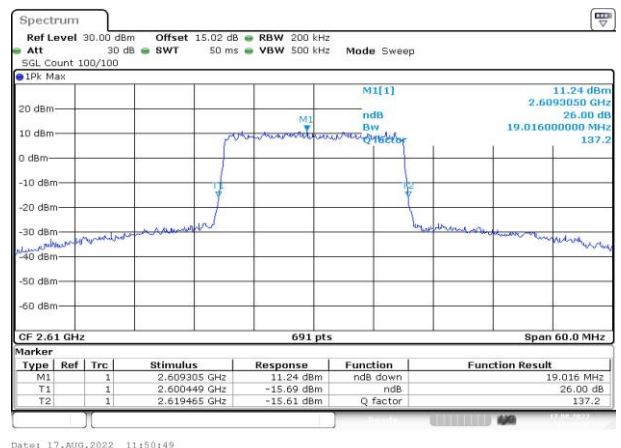


Fig.24

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2
38	2572.5	37775	5	25	0	Fig.4	Fig.5
38	2595	38000	5	1	24	Fig.7	Fig.8
38	2595	38000	5	25	0	Fig.10	Fig.11
38	2617.5	38225	5	1	24	Fig.13	Fig.14
38	2617.5	38225	5	25	0	Fig.16	Fig.17
38	2575	37800	10	1	49	Fig.19	Fig.20
38	2575	37800	10	50	0	Fig.22	Fig.23
38	2595	38000	10	1	49	Fig.25	Fig.26
38	2595	38000	10	50	0	Fig.28	Fig.29
38	2615	38200	10	1	49	Fig.31	Fig.32
38	2615	38200	10	50	0	Fig.34	Fig.35
38	2577.5	37825	15	1	74	Fig.37	Fig.38
38	2577.5	37825	15	75	0	Fig.40	Fig.41
38	2595	38000	15	1	74	Fig.43	Fig.44
38	2595	38000	15	75	0	Fig.46	Fig.47
38	2612.5	38175	15	1	74	Fig.49	Fig.50
38	2612.5	38175	15	75	0	Fig.52	Fig.53
38	2580	37850	20	1	99	Fig.55	Fig.56
38	2580	37850	20	100	0	Fig.58	Fig.59
38	2595	38000	20	1	99	Fig.61	Fig.62
38	2595	38000	20	100	0	Fig.64	Fig.65
38	2610	38150	20	1	99	Fig.67	Fig.68
38	2610	38150	20	100	0	Fig.70	Fig.71

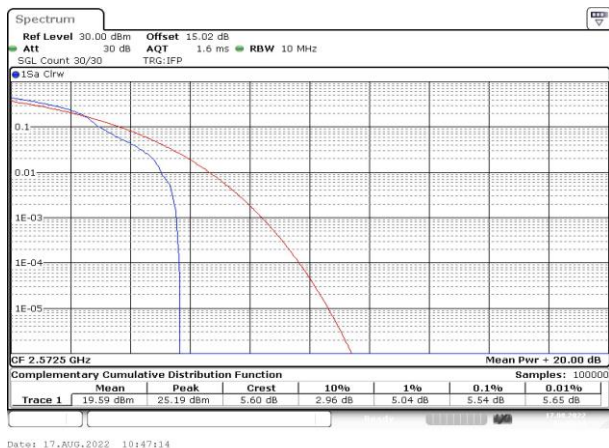


Fig.1

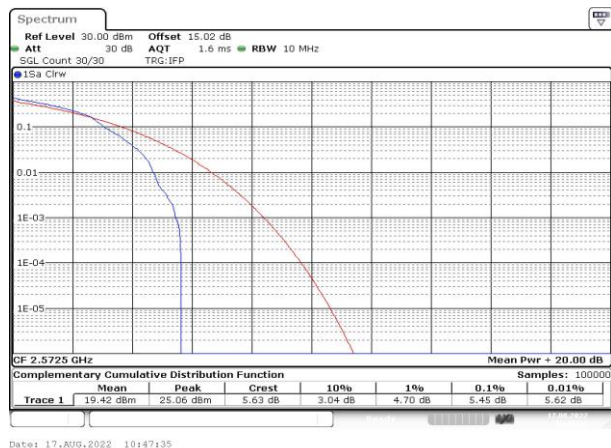


Fig.2

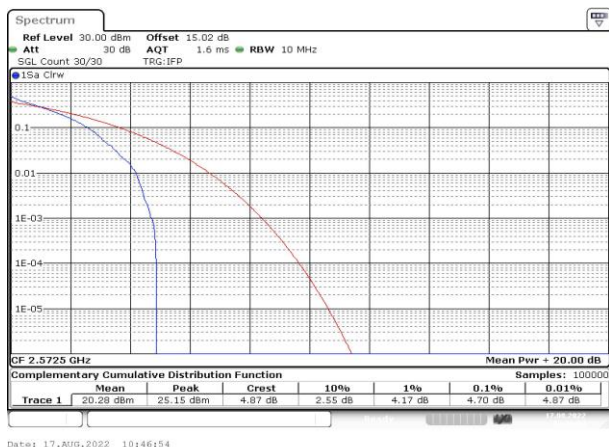


Fig.3

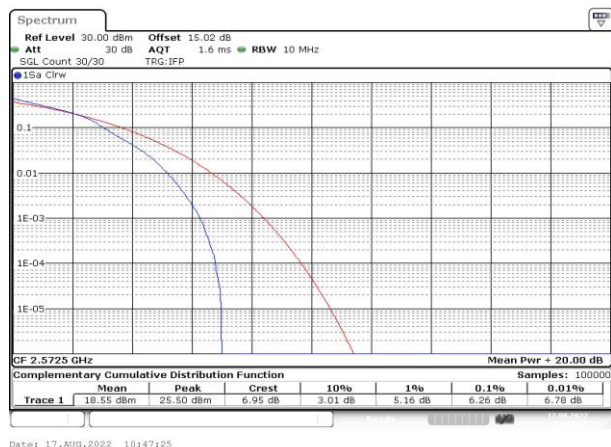


Fig.4

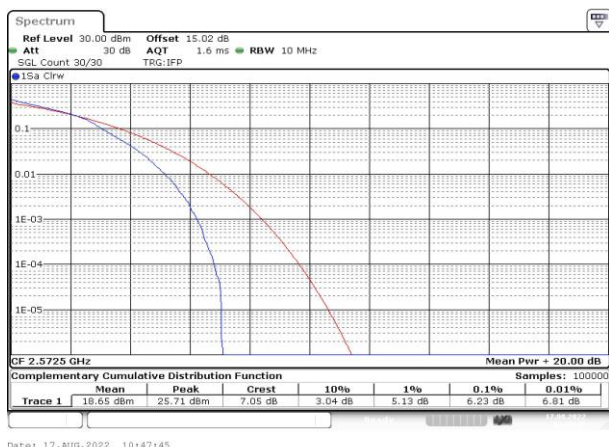


Fig.5

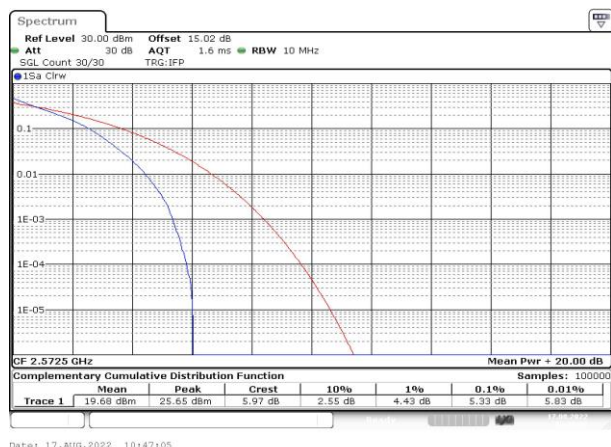


Fig.6

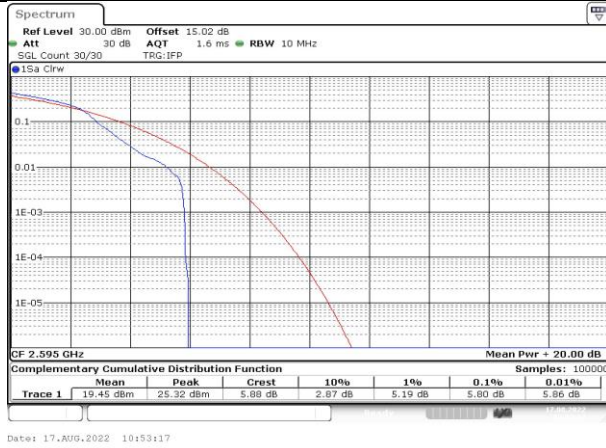


Fig.7

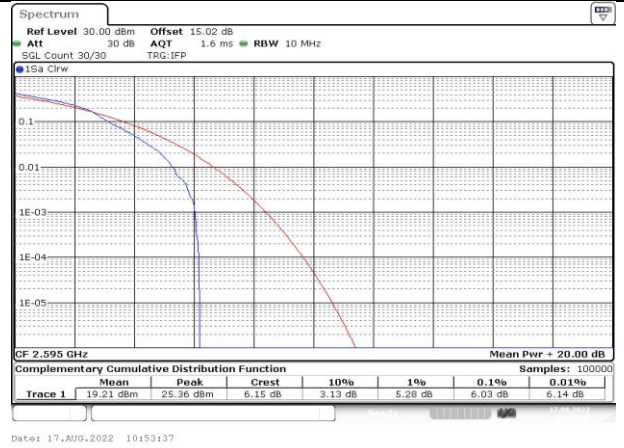


Fig.8

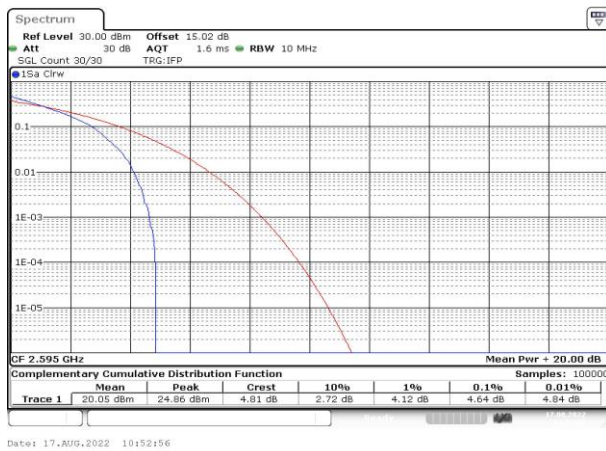


Fig.9

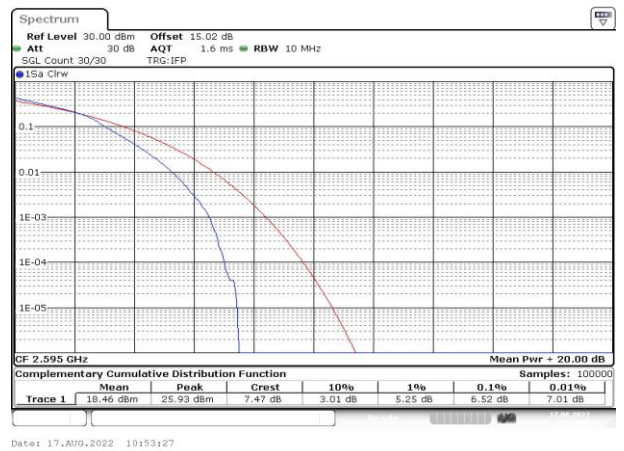


Fig.10

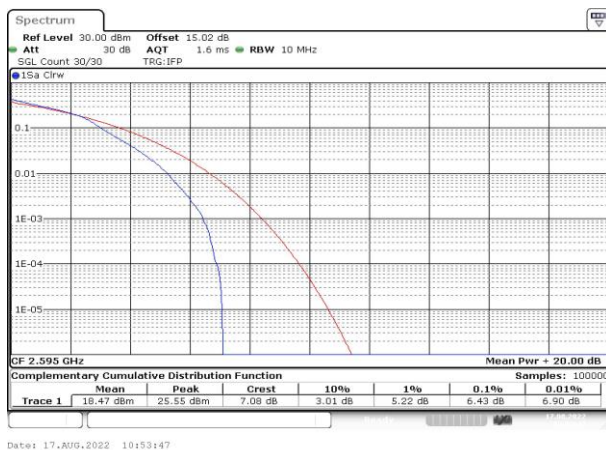


Fig.11

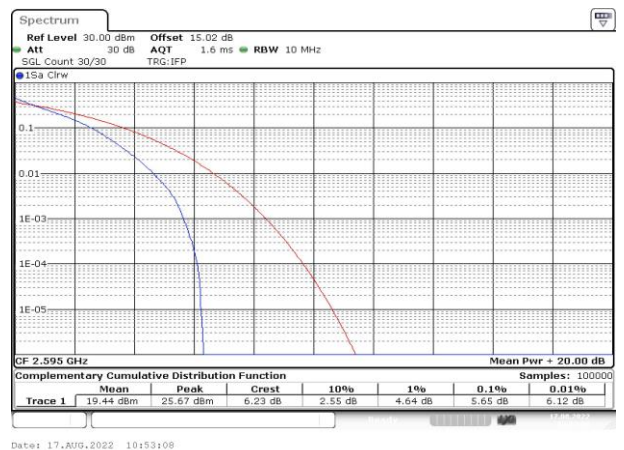


Fig.12