

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2498.5	39675	5	1	0	20.76
QPSK	2498.5	39675	5	1	12	20.74
QPSK	2498.5	39675	5	1	24	20.82
QPSK	2498.5	39675	5	12	0	19.92
QPSK	2498.5	39675	5	12	7	19.93
QPSK	2498.5	39675	5	12	13	19.94
QPSK	2498.5	39675	5	25	0	19.89
QPSK	2593	40620	5	1	0	21.80
QPSK	2593	40620	5	1	12	21.66
QPSK	2593	40620	5	1	24	21.70
QPSK	2593	40620	5	12	0	20.74
QPSK	2593	40620	5	12	7	20.71
QPSK	2593	40620	5	12	13	20.71
QPSK	2593	40620	5	25	0	20.67
QPSK	2687.5	41565	5	1	0	21.65
QPSK	2687.5	41565	5	1	12	21.71
QPSK	2687.5	41565	5	1	24	21.65
QPSK	2687.5	41565	5	12	0	20.83
QPSK	2687.5	41565	5	12	7	20.80
QPSK	2687.5	41565	5	12	13	20.82
QPSK	2687.5	41565	5	25	0	20.85

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	20.44
16QAM	2498.5	39675	5	1	12	20.25
16QAM	2498.5	39675	5	1	24	20.26
16QAM	2498.5	39675	5	12	0	18.94
16QAM	2498.5	39675	5	12	7	18.94
16QAM	2498.5	39675	5	12	13	18.98
16QAM	2498.5	39675	5	25	0	18.93
16QAM	2593	40620	5	1	0	21.06
16QAM	2593	40620	5	1	12	21.04
16QAM	2593	40620	5	1	24	21.07
16QAM	2593	40620	5	12	0	19.76
16QAM	2593	40620	5	12	7	19.73
16QAM	2593	40620	5	12	13	19.70
16QAM	2593	40620	5	25	0	19.76
16QAM	2687.5	41565	5	1	0	20.99
16QAM	2687.5	41565	5	1	12	20.96
16QAM	2687.5	41565	5	1	24	21.04
16QAM	2687.5	41565	5	12	0	19.82
16QAM	2687.5	41565	5	12	7	19.83
16QAM	2687.5	41565	5	12	13	19.79
16QAM	2687.5	41565	5	25	0	19.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	21.03
QPSK	2501	39700	10	1	25	20.84
QPSK	2501	39700	10	1	49	20.92
QPSK	2501	39700	10	25	0	19.93
QPSK	2501	39700	10	25	12	19.90
QPSK	2501	39700	10	25	25	19.95
QPSK	2501	39700	10	50	0	19.95
QPSK	2593	40620	10	1	0	21.59
QPSK	2593	40620	10	1	25	21.59
QPSK	2593	40620	10	1	49	21.63
QPSK	2593	40620	10	25	0	20.72
QPSK	2593	40620	10	25	12	20.70
QPSK	2593	40620	10	25	25	20.69
QPSK	2593	40620	10	50	0	20.66
QPSK	2685	41540	10	1	0	21.80
QPSK	2685	41540	10	1	25	21.69
QPSK	2685	41540	10	1	49	21.72
QPSK	2685	41540	10	25	0	20.81
QPSK	2685	41540	10	25	12	20.81
QPSK	2685	41540	10	25	25	20.80
QPSK	2685	41540	10	50	0	20.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	20.28
16QAM	2501	39700	10	1	25	20.29
16QAM	2501	39700	10	1	49	20.28
16QAM	2501	39700	10	25	0	18.94
16QAM	2501	39700	10	25	12	18.98
16QAM	2501	39700	10	25	25	19.02
16QAM	2501	39700	10	50	0	19.05
16QAM	2593	40620	10	1	0	20.95
16QAM	2593	40620	10	1	25	20.93
16QAM	2593	40620	10	1	49	21.02
16QAM	2593	40620	10	25	0	19.71
16QAM	2593	40620	10	25	12	19.63
16QAM	2593	40620	10	25	25	19.69
16QAM	2593	40620	10	50	0	19.66
16QAM	2685	41540	10	1	0	20.92
16QAM	2685	41540	10	1	25	20.89
16QAM	2685	41540	10	1	49	20.88
16QAM	2685	41540	10	25	0	19.74
16QAM	2685	41540	10	25	12	19.81
16QAM	2685	41540	10	25	25	19.75
16QAM	2685	41540	10	50	0	19.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	20.83
QPSK	2503.5	39725	15	1	37	21.04
QPSK	2503.5	39725	15	1	74	21.06
QPSK	2503.5	39725	15	36	0	19.91
QPSK	2503.5	39725	15	36	29	19.88
QPSK	2503.5	39725	15	36	30	19.87
QPSK	2503.5	39725	15	75	0	19.81
QPSK	2593	40620	15	1	0	21.68
QPSK	2593	40620	15	1	37	21.61
QPSK	2593	40620	15	1	74	21.66
QPSK	2593	40620	15	36	0	20.78
QPSK	2593	40620	15	36	29	20.72
QPSK	2593	40620	15	36	30	20.71
QPSK	2593	40620	15	75	0	20.66
QPSK	2682.5	41515	15	1	0	21.74
QPSK	2682.5	41515	15	1	37	21.65
QPSK	2682.5	41515	15	1	74	21.84
QPSK	2682.5	41515	15	36	0	20.77
QPSK	2682.5	41515	15	36	29	20.78
QPSK	2682.5	41515	15	36	30	20.84
QPSK	2682.5	41515	15	75	0	20.81

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	20.22
16QAM	2503.5	39725	15	1	37	20.08
16QAM	2503.5	39725	15	1	74	20.31
16QAM	2503.5	39725	15	36	0	19.01
16QAM	2503.5	39725	15	36	29	18.91
16QAM	2503.5	39725	15	36	30	18.88
16QAM	2503.5	39725	15	75	0	18.89
16QAM	2593	40620	15	1	0	20.98
16QAM	2593	40620	15	1	37	20.89
16QAM	2593	40620	15	1	74	21.13
16QAM	2593	40620	15	36	0	19.71
16QAM	2593	40620	15	36	29	19.71
16QAM	2593	40620	15	36	30	19.74
16QAM	2593	40620	15	75	0	19.68
16QAM	2682.5	41515	15	1	0	21.03
16QAM	2682.5	41515	15	1	37	20.98
16QAM	2682.5	41515	15	1	74	20.96
16QAM	2682.5	41515	15	36	0	19.74
16QAM	2682.5	41515	15	36	29	19.82
16QAM	2682.5	41515	15	36	30	19.81
16QAM	2682.5	41515	15	75	0	19.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	20.86
QPSK	2506	39750	20	1	49	20.94
QPSK	2506	39750	20	1	99	20.95
QPSK	2506	39750	20	50	0	20.00
QPSK	2506	39750	20	50	24	19.92
QPSK	2506	39750	20	50	50	19.98
QPSK	2506	39750	20	100	0	19.96
QPSK	2593	40620	20	1	0	21.64
QPSK	2593	40620	20	1	49	21.73
QPSK	2593	40620	20	1	99	21.80
QPSK	2593	40620	20	50	0	20.78
QPSK	2593	40620	20	50	24	20.73
QPSK	2593	40620	20	50	50	20.72
QPSK	2593	40620	20	100	0	20.71
QPSK	2680	41490	20	1	0	21.86
QPSK	2680	41490	20	1	49	21.77
QPSK	2680	41490	20	1	99	21.77
QPSK	2680	41490	20	50	0	20.97
QPSK	2680	41490	20	50	24	20.86
QPSK	2680	41490	20	50	50	20.84
QPSK	2680	41490	20	100	0	20.98

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	20.05
16QAM	2506	39750	20	1	49	20.22
16QAM	2506	39750	20	1	99	20.35
16QAM	2506	39750	20	50	0	18.98
16QAM	2506	39750	20	50	24	18.92
16QAM	2506	39750	20	50	50	18.98
16QAM	2506	39750	20	100	0	18.91
16QAM	2593	40620	20	1	0	20.93
16QAM	2593	40620	20	1	49	20.99
16QAM	2593	40620	20	1	99	21.22
16QAM	2593	40620	20	50	0	19.78
16QAM	2593	40620	20	50	24	19.74
16QAM	2593	40620	20	50	50	19.77
16QAM	2593	40620	20	100	0	19.71
16QAM	2680	41490	20	1	0	20.76
16QAM	2680	41490	20	1	49	20.73
16QAM	2680	41490	20	1	99	20.67
16QAM	2680	41490	20	50	0	19.95
16QAM	2680	41490	20	50	24	19.85
16QAM	2680	41490	20	50	50	19.88
16QAM	2680	41490	20	100	0	19.98

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.493	Fig.1
41	QPSK	2593	40620	5	25	0	4.472	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.472	Fig.3
41	QPSK	2501	39700	10	50	0	8.944	Fig.4
41	QPSK	2593	40620	10	50	0	8.944	Fig.5
41	QPSK	2685	41540	10	50	0	8.944	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.415	Fig.7
41	QPSK	2593	40620	15	75	0	13.415	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.415	Fig.9
41	QPSK	2506	39750	20	100	0	17.887	Fig.10
41	QPSK	2593	40620	20	100	0	17.800	Fig.11
41	QPSK	2680	41490	20	100	0	17.800	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.472	Fig.13
41	16QAM	2593	40620	5	25	0	4.472	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.472	Fig.15
41	16QAM	2501	39700	10	50	0	8.944	Fig.16
41	16QAM	2593	40620	10	50	0	8.944	Fig.17
41	16QAM	2685	41540	10	50	0	8.944	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.415	Fig.19
41	16QAM	2593	40620	15	75	0	13.415	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.415	Fig.21
41	16QAM	2506	39750	20	100	0	17.887	Fig.22
41	16QAM	2593	40620	20	100	0	17.887	Fig.23
41	16QAM	2680	41490	20	100	0	17.800	Fig.24

Test Mode: QPSK

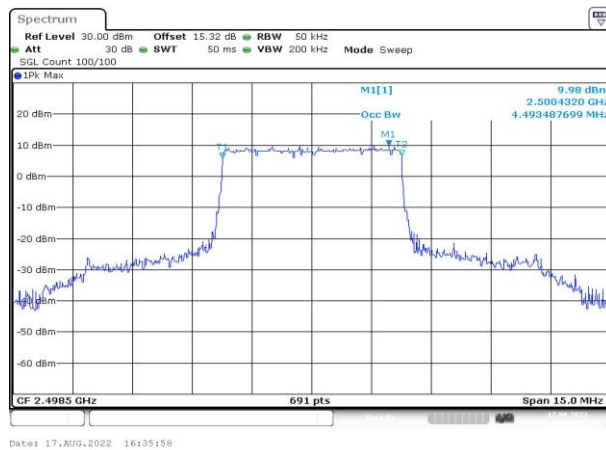


Fig.1

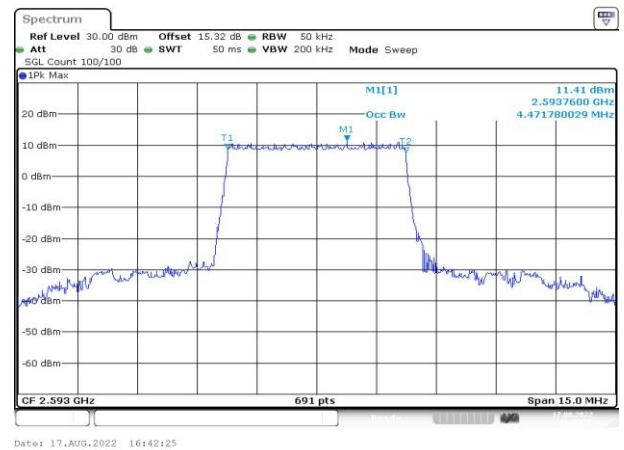


Fig.2

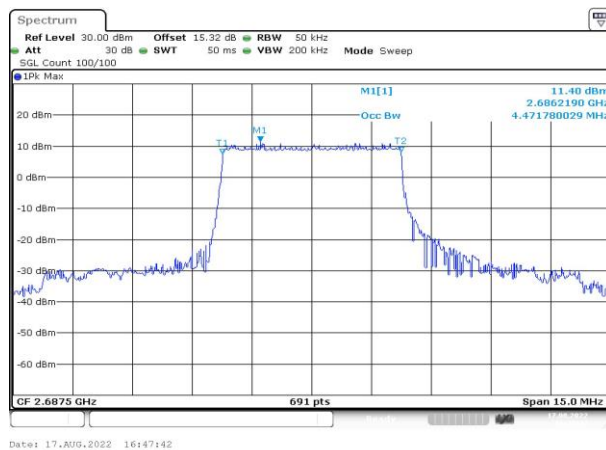


Fig.3

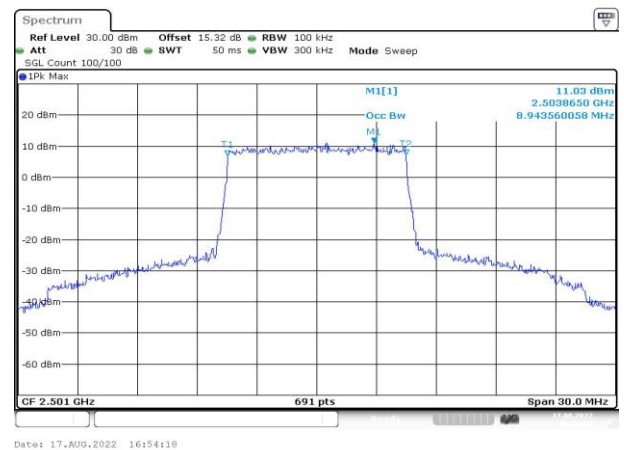


Fig.4

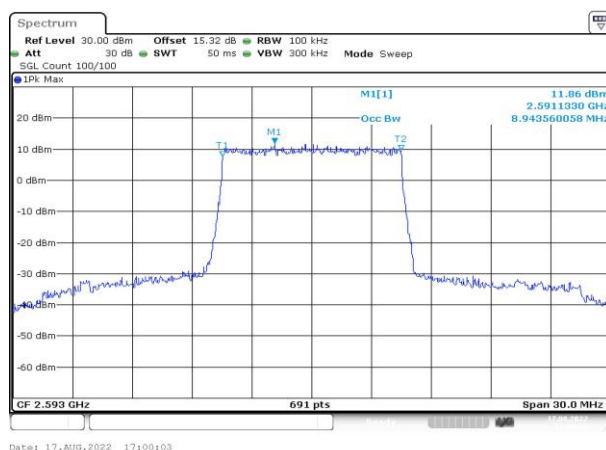


Fig.5

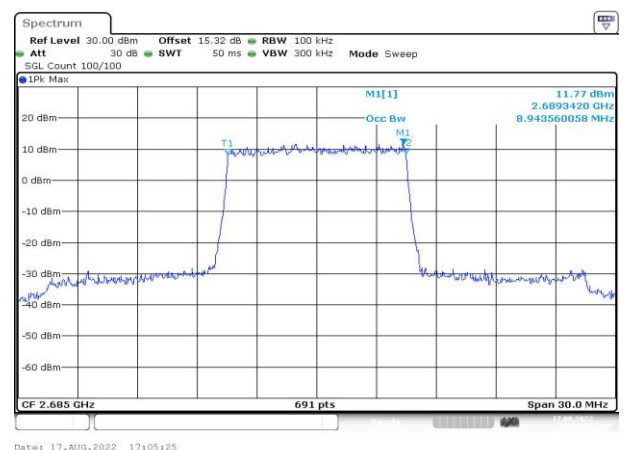


Fig.6

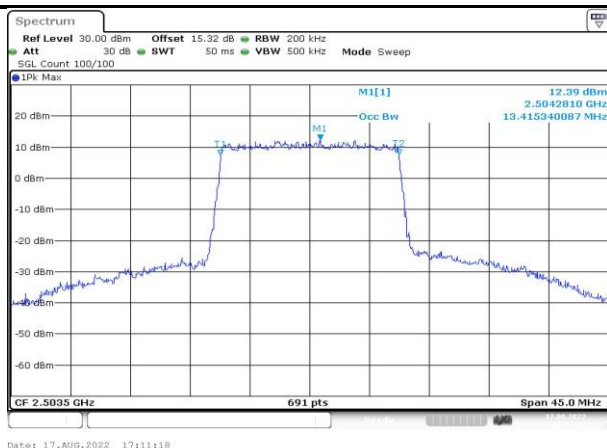


Fig.7

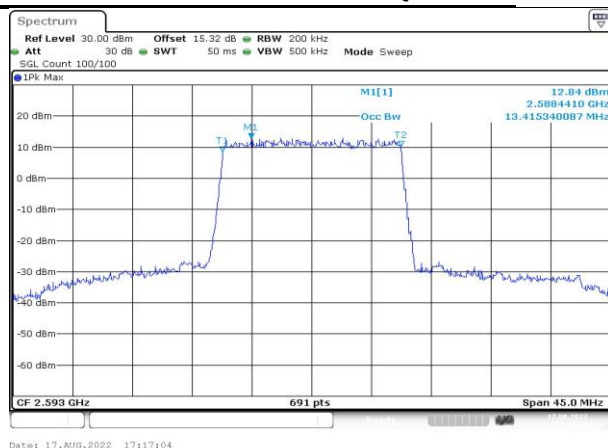


Fig.8

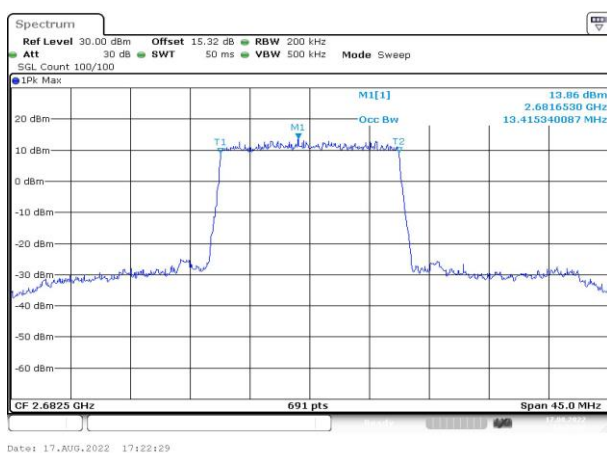


Fig.9

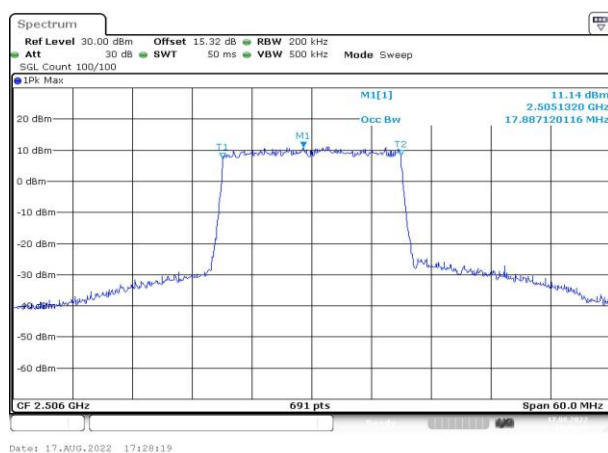


Fig.10

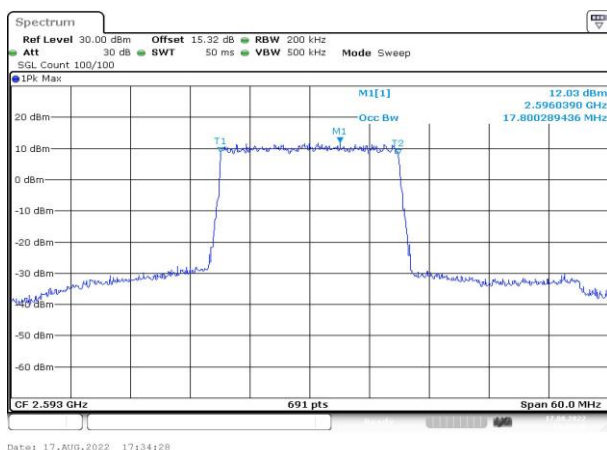


Fig.11

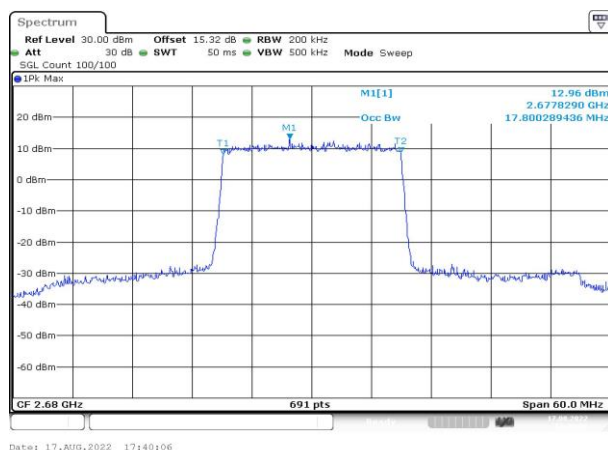
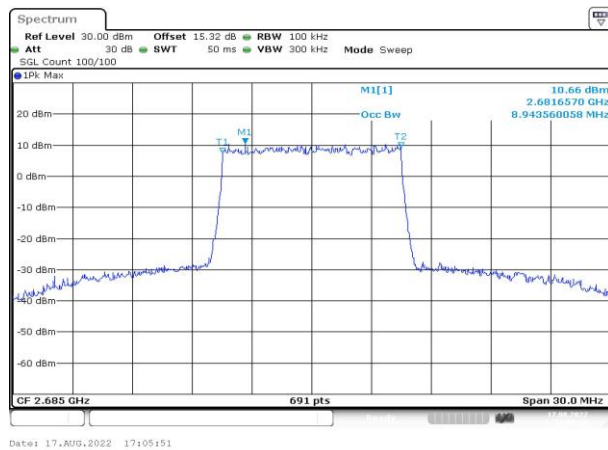
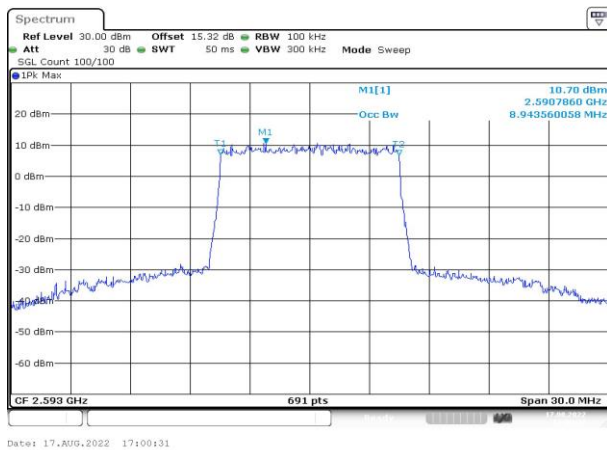
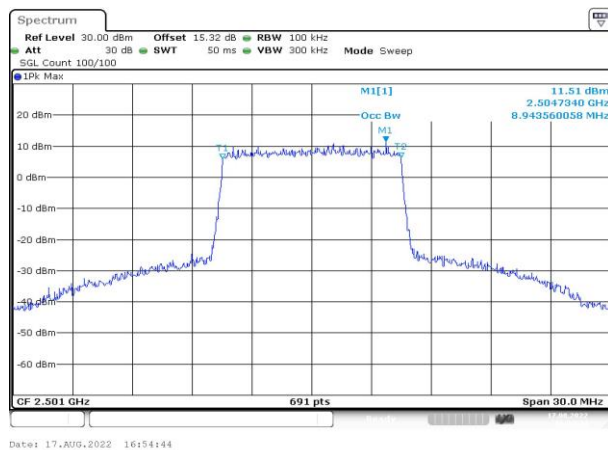
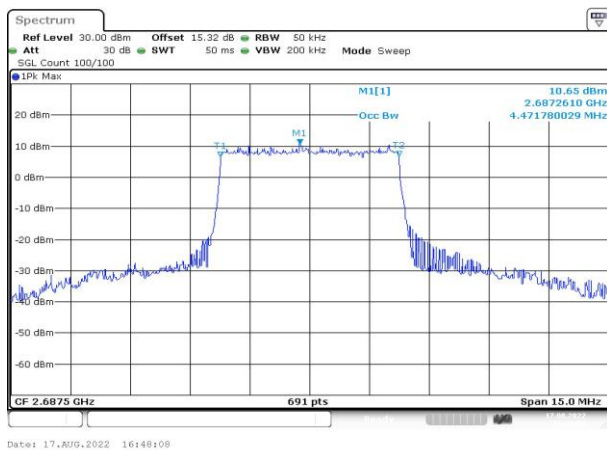
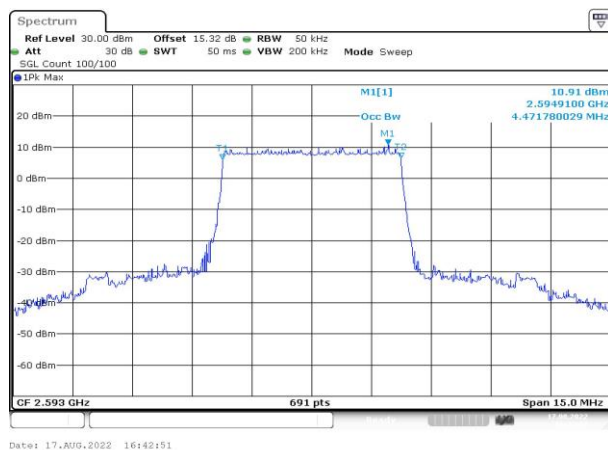
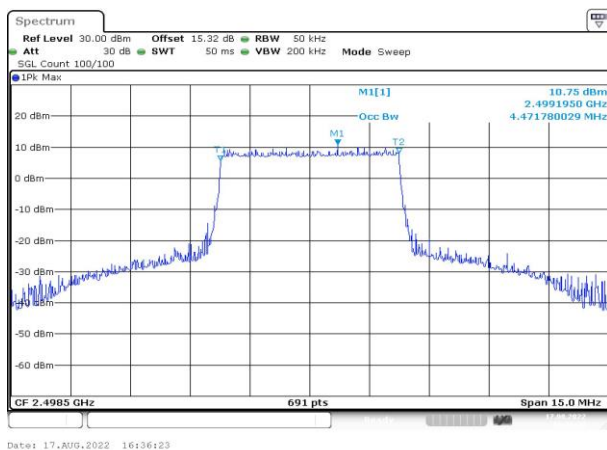


Fig.12

Test Mode: 16QAM



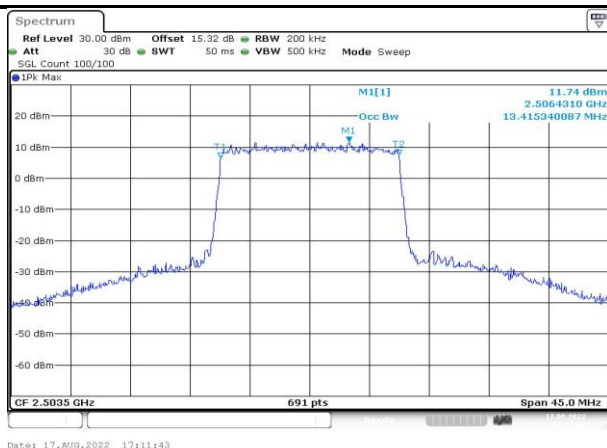


Fig.19

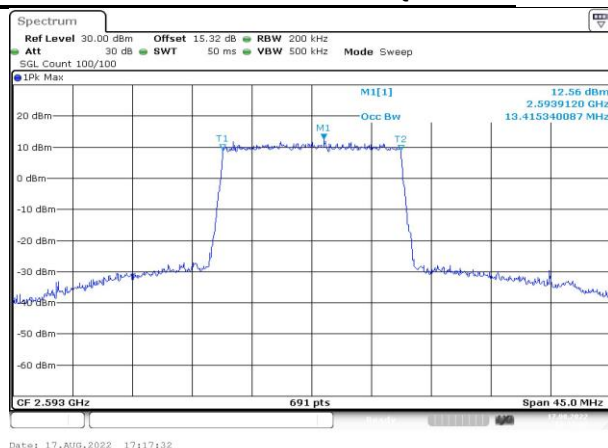


Fig.20

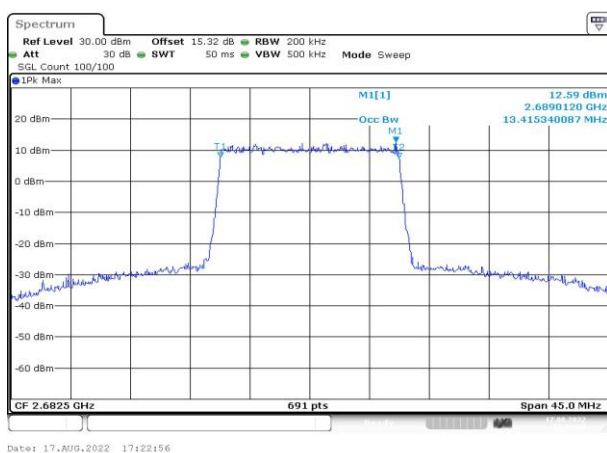


Fig.21

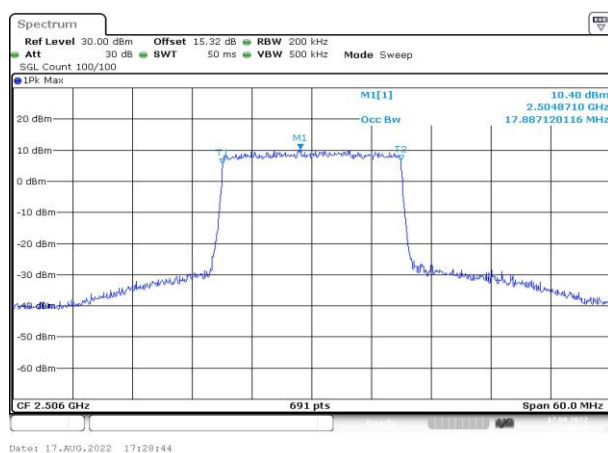


Fig.22

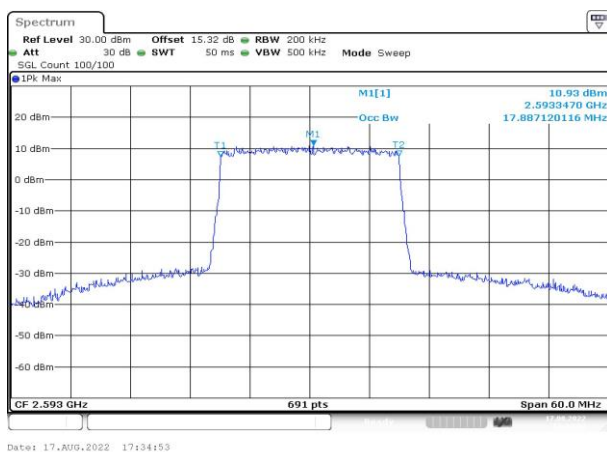


Fig.23

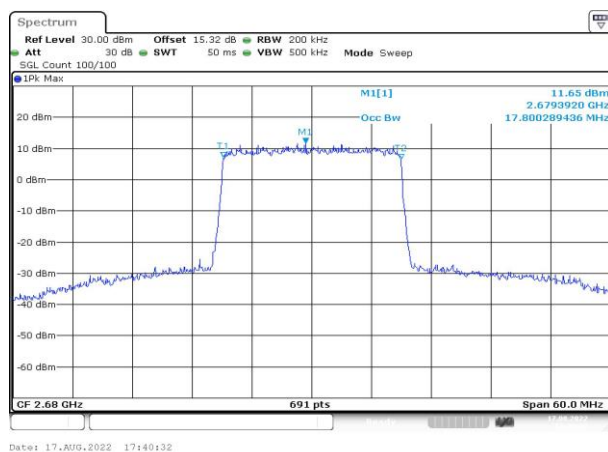


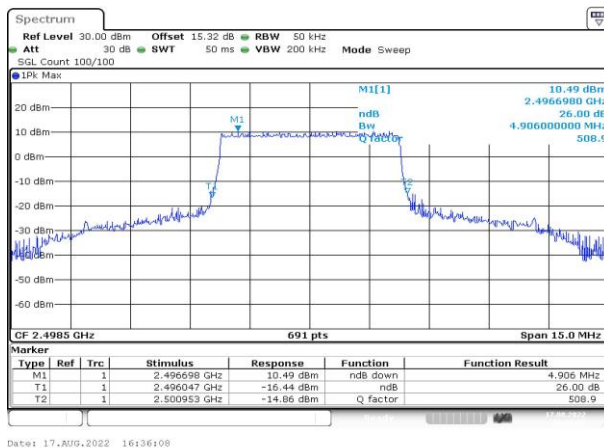
Fig.24

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.906	Fig.1
41	QPSK	2593	40620	5	25	0	4.949	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.884	Fig.3
41	QPSK	2501	39700	10	50	0	9.682	Fig.4
41	QPSK	2593	40620	10	50	0	9.595	Fig.5
41	QPSK	2685	41540	10	50	0	9.595	Fig.6
41	QPSK	2503.5	39725	15	75	0	14.522	Fig.7
41	QPSK	2593	40620	15	75	0	14.522	Fig.8
41	QPSK	2682.5	41515	15	75	0	14.522	Fig.9
41	QPSK	2506	39750	20	100	0	19.190	Fig.10
41	QPSK	2593	40620	20	100	0	19.190	Fig.11
41	QPSK	2680	41490	20	100	0	19.016	Fig.12

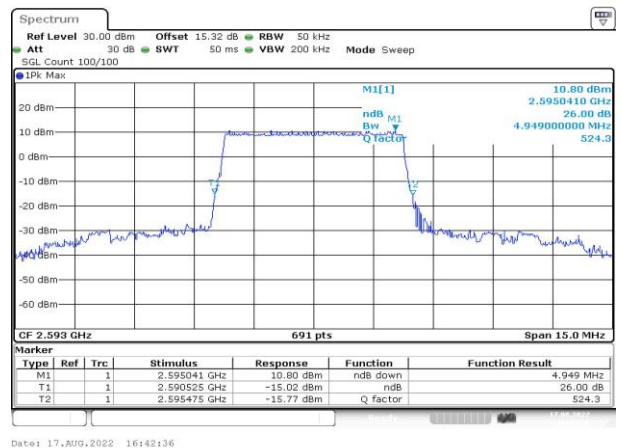
Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.906	Fig.13
41	16QAM	2593	40620	5	25	0	4.841	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.863	Fig.15
41	16QAM	2501	39700	10	50	0	9.595	Fig.16
41	16QAM	2593	40620	10	50	0	9.595	Fig.17
41	16QAM	2685	41540	10	50	0	9.638	Fig.18
41	16QAM	2503.5	39725	15	75	0	14.457	Fig.19
41	16QAM	2593	40620	15	75	0	14.457	Fig.20
41	16QAM	2682.5	41515	15	75	0	14.522	Fig.21
41	16QAM	2506	39750	20	100	0	18.929	Fig.22
41	16QAM	2593	40620	20	100	0	19.190	Fig.23
41	16QAM	2680	41490	20	100	0	18.929	Fig.24

Test Mode: QPSK



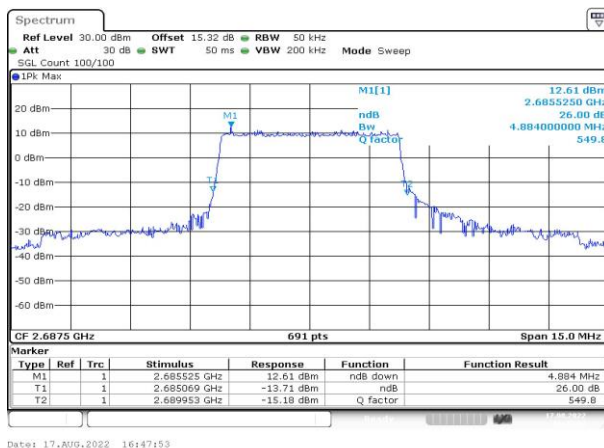
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Fig.1



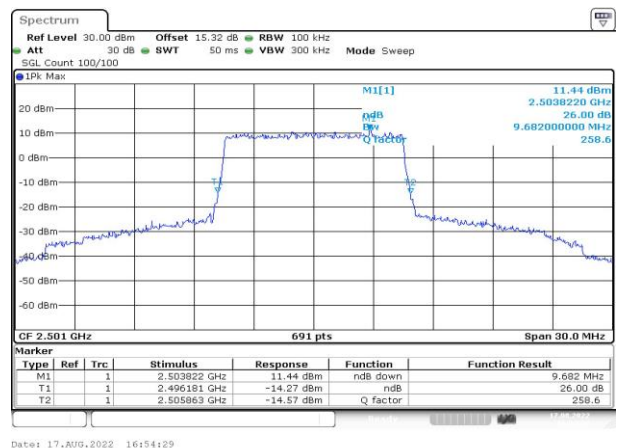
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Fig.2



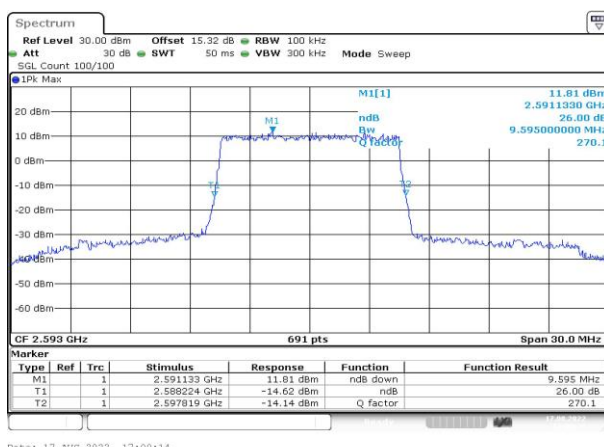
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Fig.3



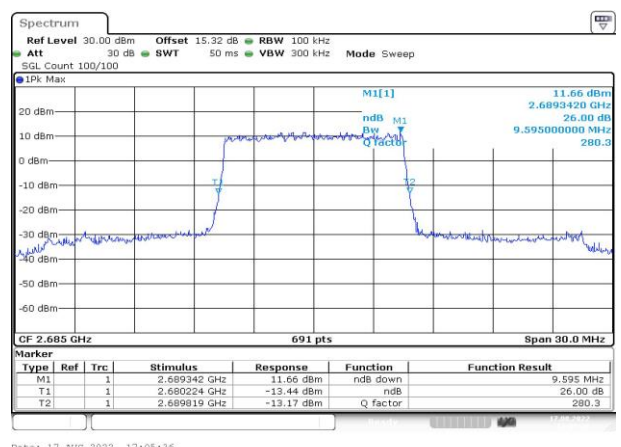
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Fig.4



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Fig.5



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Fig.6

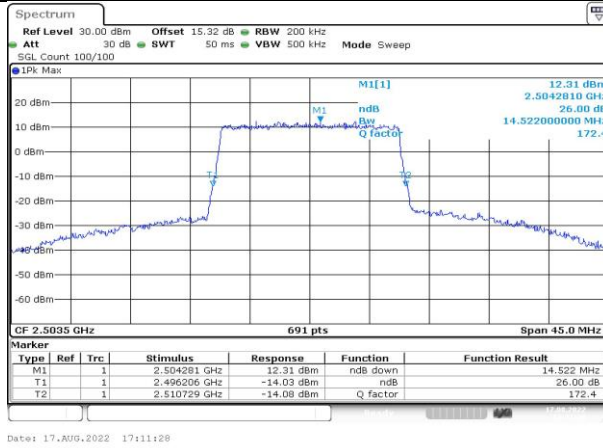


Fig.7

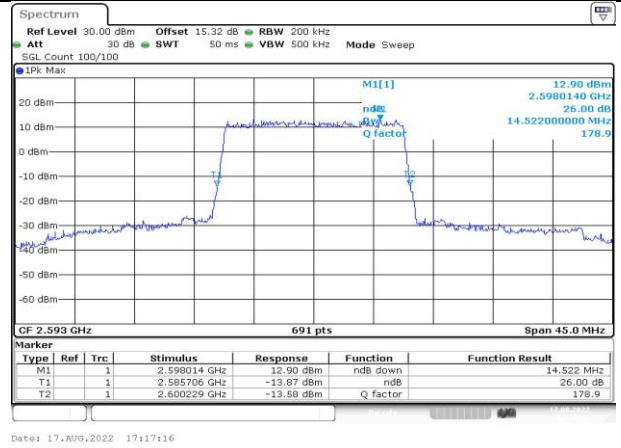


Fig.8

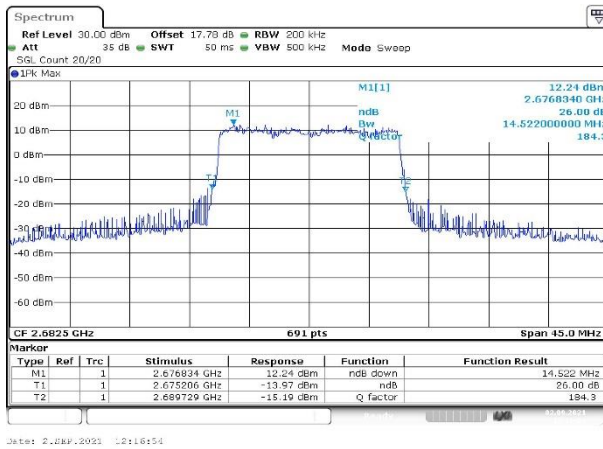


Fig.9

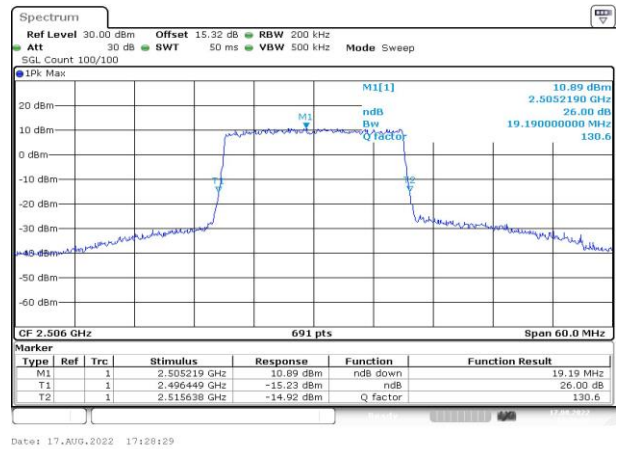


Fig.10

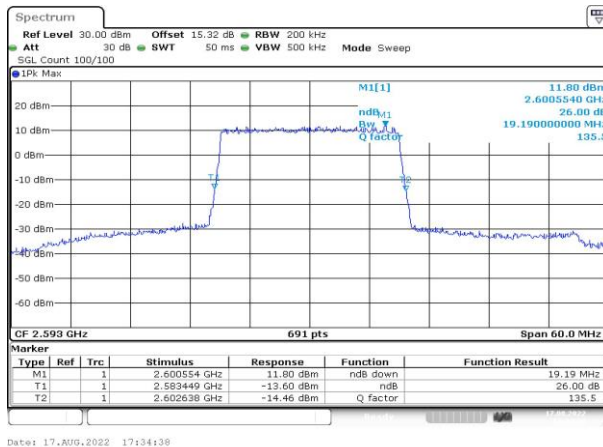


Fig.11

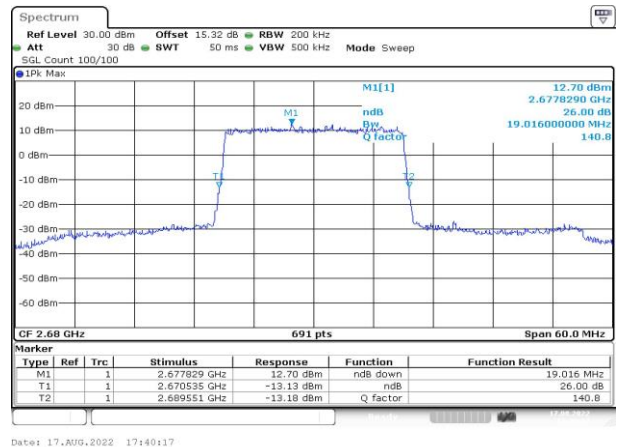


Fig.12

Test Mode: 16QAM

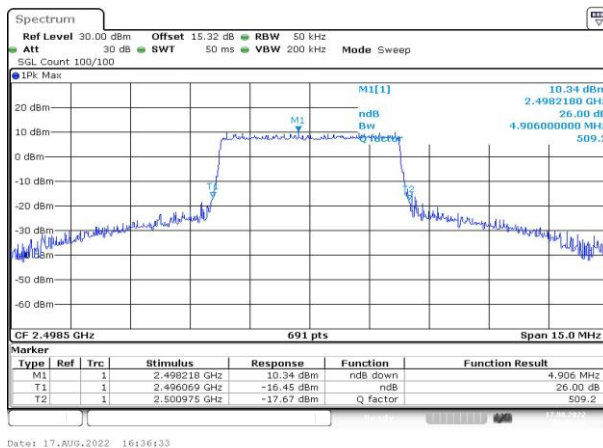


Fig.13

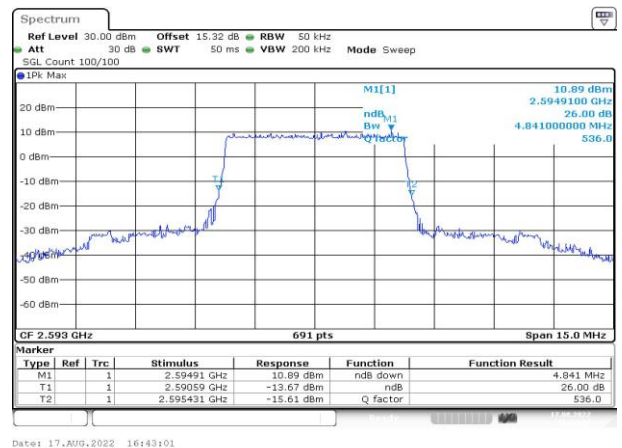


Fig.14

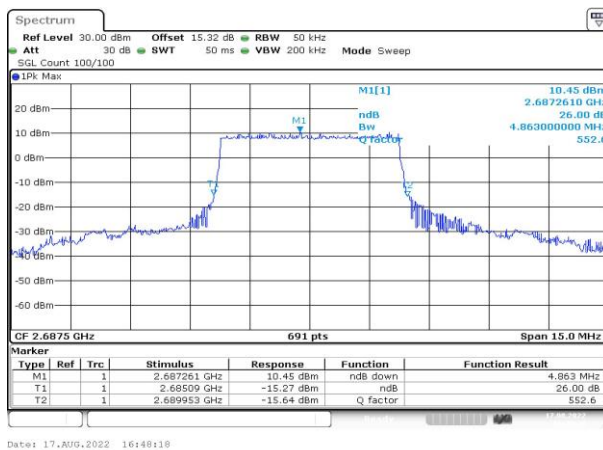


Fig.15

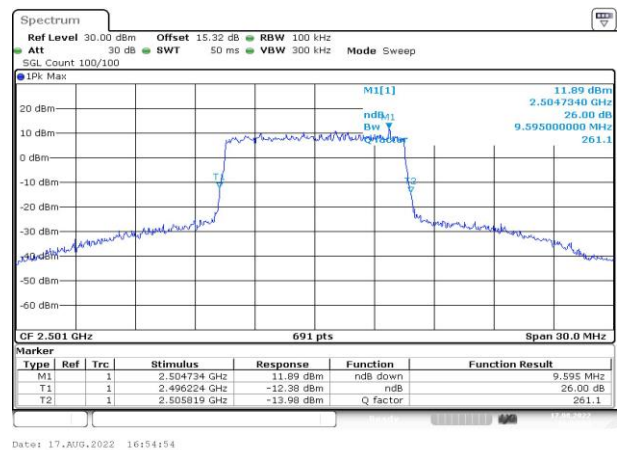


Fig.16

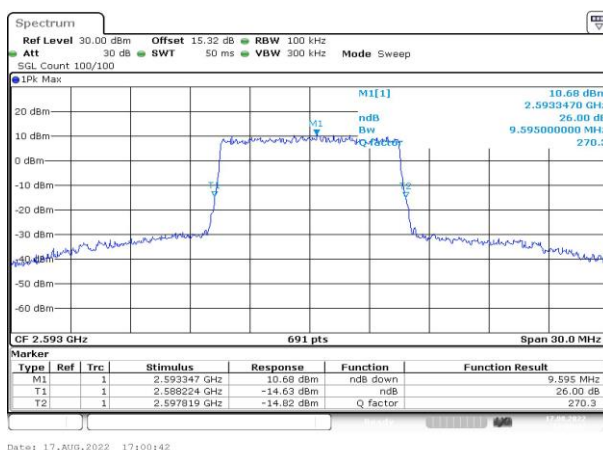


Fig.17

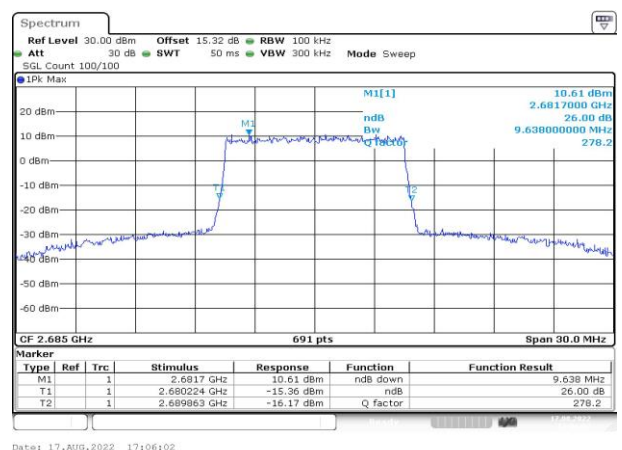


Fig.18

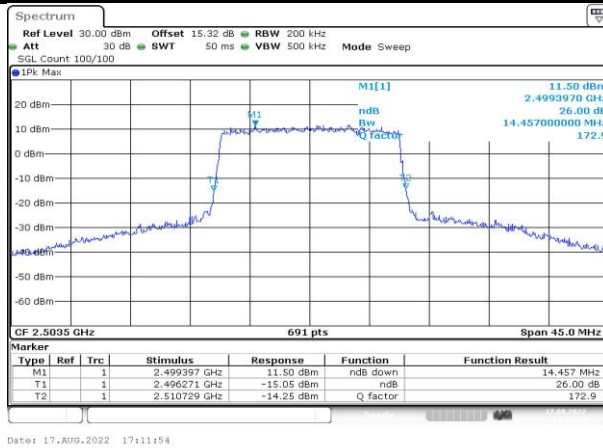


Fig.19

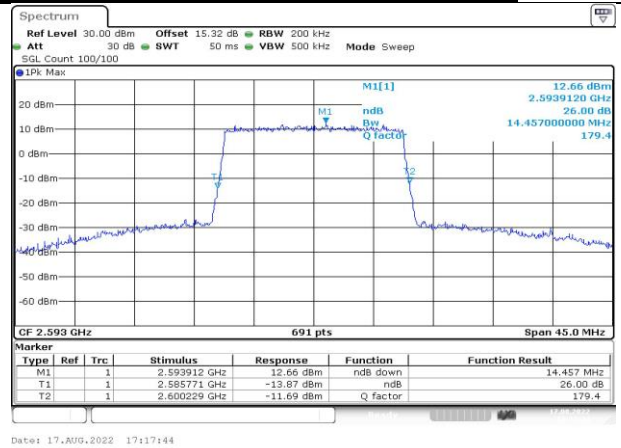


Fig.20

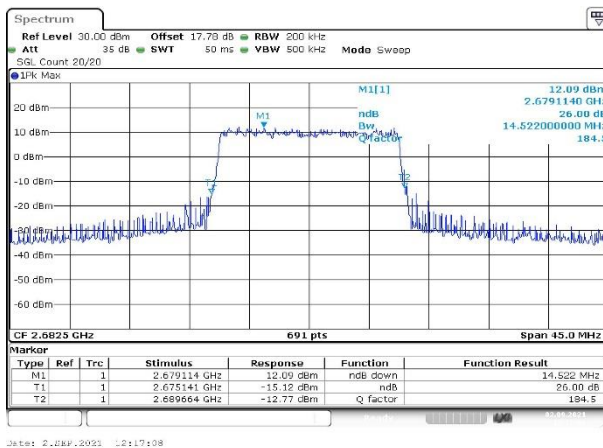


Fig.21

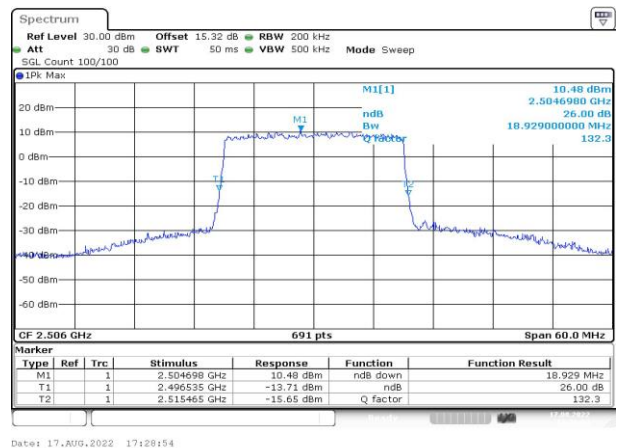


Fig.22

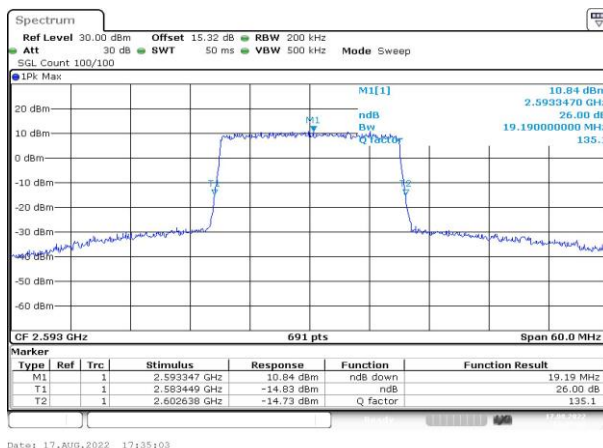


Fig.23

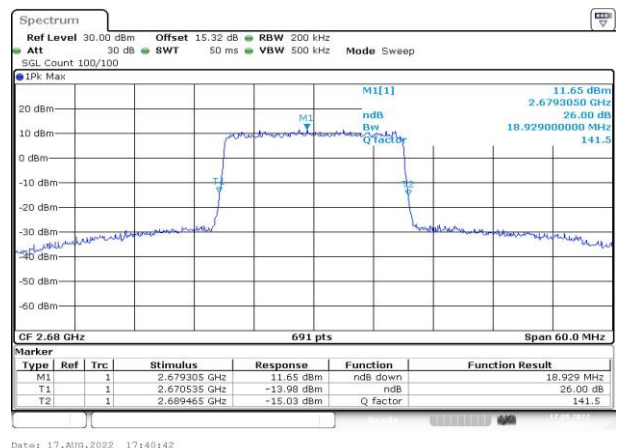


Fig.24

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
41	2498.5	39675	5	1	24	Fig.1	Fig.2
41	2498.5	39675	5	25	0	Fig.4	Fig.5
41	2593	40620	5	1	24	Fig.7	Fig.8
41	2593	40620	5	25	0	Fig.10	Fig.11
41	2687.5	41565	5	1	24	Fig.13	Fig.14
41	2687.5	41565	5	25	0	Fig.16	Fig.17
41	2501	39700	10	1	49	Fig.19	Fig.20
41	2501	39700	10	50	0	Fig.22	Fig.23
41	2593	40620	10	1	49	Fig.25	Fig.26
41	2593	40620	10	50	0	Fig.28	Fig.29
41	2685	41540	10	1	49	Fig.31	Fig.32
41	2685	41540	10	50	0	Fig.34	Fig.35
41	2503.5	39725	15	1	74	Fig.37	Fig.38
41	2503.5	39725	15	75	0	Fig.40	Fig.41
41	2593	40620	15	1	74	Fig.43	Fig.44
41	2593	40620	15	75	0	Fig.46	Fig.47
41	2682.5	41515	15	1	74	Fig.49	Fig.50
41	2682.5	41515	15	75	0	Fig.52	Fig.53
41	2506	39750	20	1	99	Fig.55	Fig.56
41	2506	39750	20	100	0	Fig.58	Fig.59
41	2593	40620	20	1	99	Fig.61	Fig.62
41	2593	40620	20	100	0	Fig.64	Fig.65
41	2680	41490	20	1	99	Fig.67	Fig.68
41	2680	41490	20	100	0	Fig.70	Fig.71

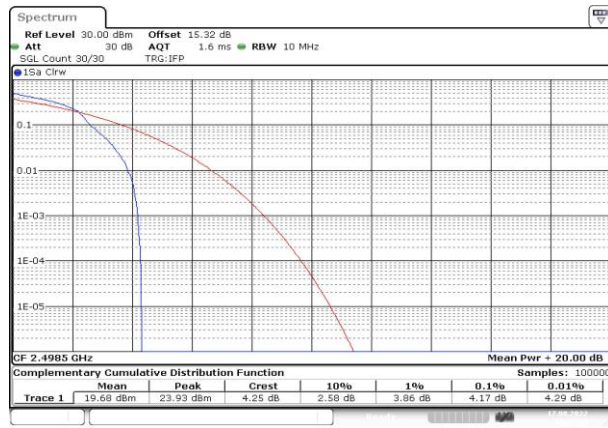


Fig.1

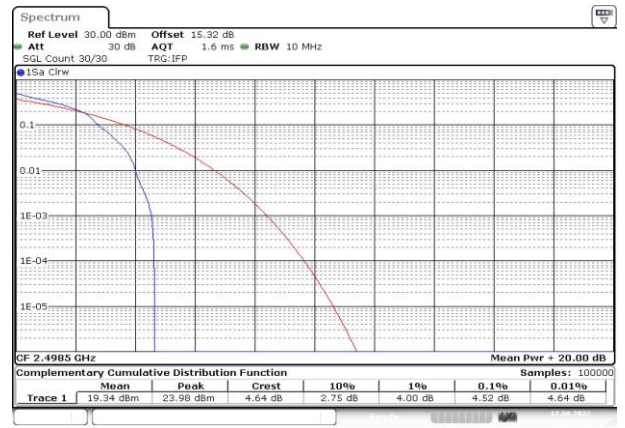


Fig.2

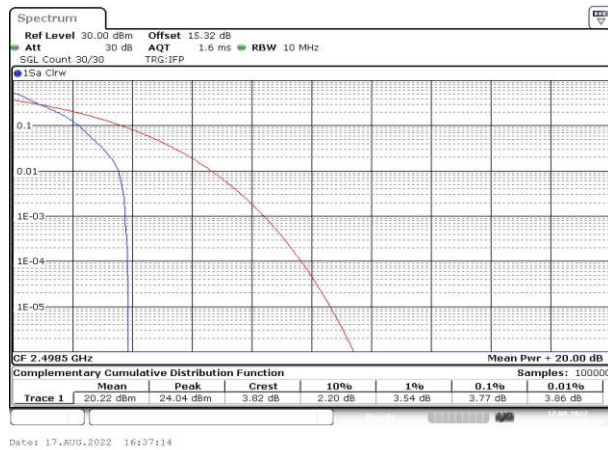


Fig.3

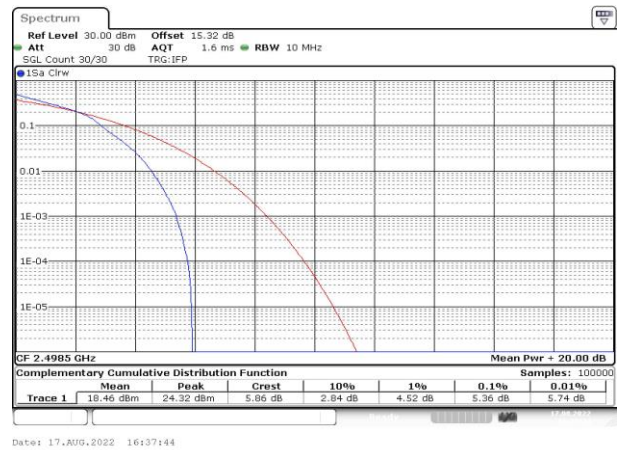


Fig.4

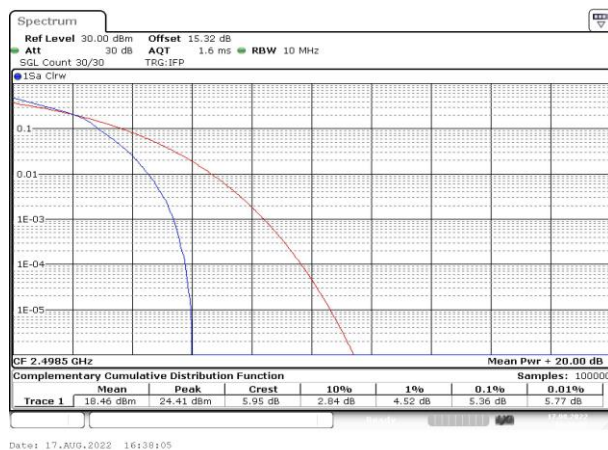


Fig.5

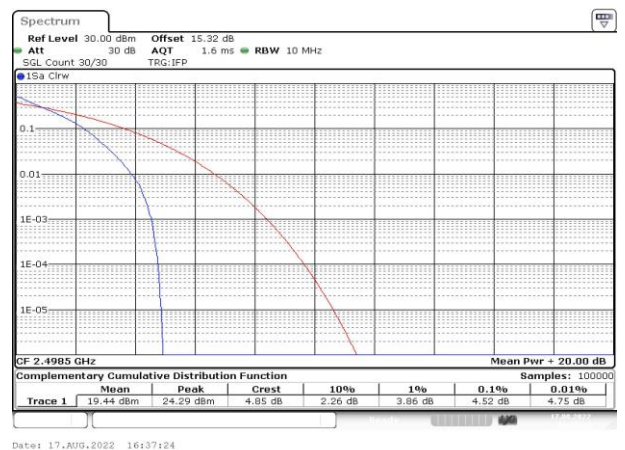


Fig.6



Fig.7



Fig.8

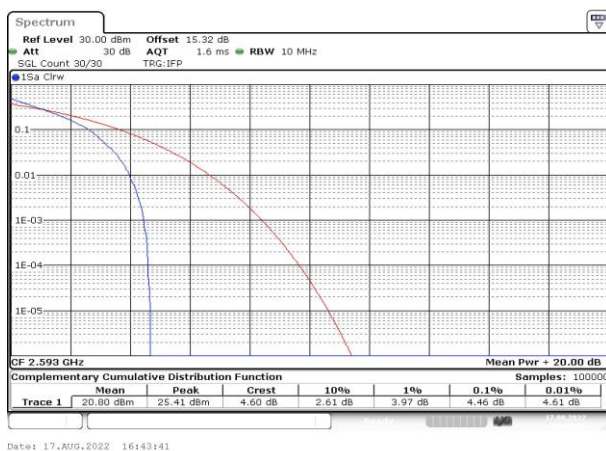


Fig.9

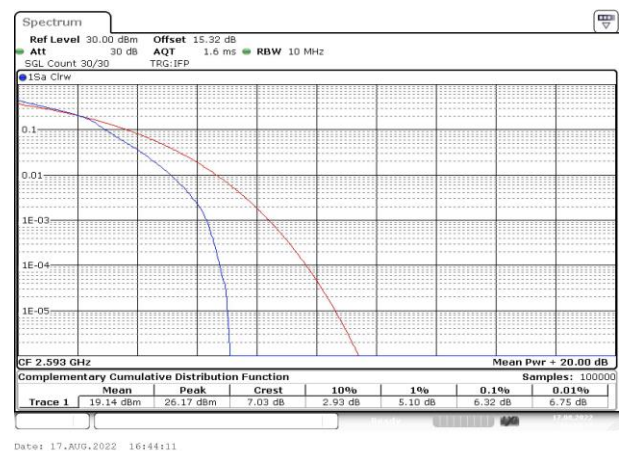


Fig.10

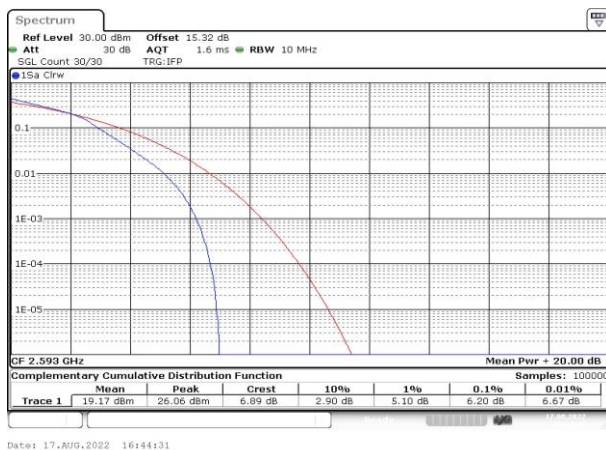


Fig.11

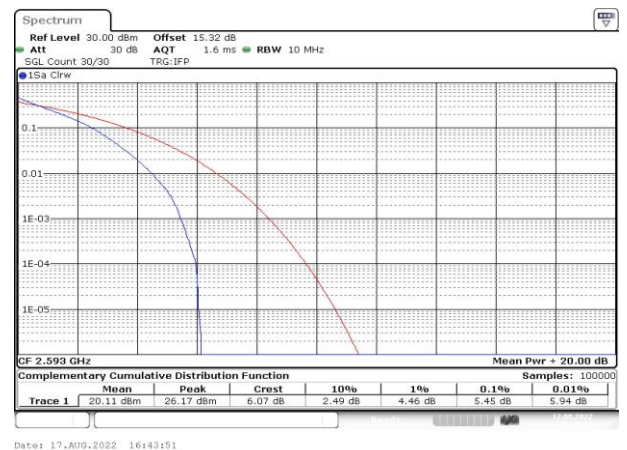


Fig.12