

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	22.87
				1	12	22.89
				1	24	22.87
				12	0	21.93
				12	7	21.91
				12	13	21.89
				25	0	21.88
	2595	38000		1	0	22.86
				1	12	22.91
				1	24	22.97
				12	0	21.89
				12	7	22.02
				12	13	21.96
				25	0	21.93
	2617.5	38225		1	0	23.01
				1	12	22.95
				1	24	22.94
				12	0	22.08
				12	7	22.10
				12	13	22.10
				25	0	22.11
16QAM	2572.5	37775	1	0	22.37	
			1	12	22.31	
			1	24	22.30	
			12	0	20.91	
			12	7	20.89	
			12	13	20.88	
			25	0	20.90	
	2595	38000	1	0	22.03	
			1	12	22.11	
			1	24	22.16	
			12	0	20.89	
			12	7	20.96	
			12	13	20.96	
			25	0	20.91	
	2617.5	38225	1	0	22.44	
			1	12	22.48	
			1	24	22.40	
			12	0	21.17	
			12	7	21.11	
			12	13	21.12	
			25	0	21.07	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2572.5	37775	5	1	0	20.97
				1	12	20.90
				1	24	20.89
				12	0	20.89
				12	7	20.89
				12	13	20.98
				25	0	20.91
	2595	38000		1	0	20.92
				1	12	20.93
				1	24	20.92
				12	0	20.91
				12	7	20.91
				12	13	20.91
				25	0	20.91
	2617.5	38225		1	0	21.06
				1	12	21.07
				1	24	21.09
				12	0	21.12
				12	7	21.09
				12	13	21.14
				25	0	21.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	22.82
				1	25	22.78
				1	49	22.71
				25	0	21.94
				25	12	21.97
				25	25	21.95
	2595	38000		50	0	21.97
				1	0	22.87
				1	25	22.79
				1	49	22.87
				25	0	21.93
				25	12	22.04
	2615	38200		25	25	22.04
				50	0	22.03
				1	0	23.13
				1	25	23.07
				1	49	23.01
				25	0	22.14
16QAM	2575	37800	25	12	22.14	
			25	25	22.23	
			50	0	22.10	
			1	0	22.39	
			1	25	22.18	
			1	49	22.59	
	2595	38000	25	0	21.06	
			25	12	21.00	
			25	25	21.00	
			50	0	20.97	
			1	0	22.00	
			1	25	21.97	
	2615	38200	1	49	22.08	
			25	0	20.96	
			25	12	21.08	
			25	25	21.01	
			50	0	21.01	
			1	0	22.02	
			1	25	22.11	
			1	49	22.00	
			25	0	21.01	
			25	12	21.09	
			25	25	21.15	
			50	0	21.11	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2575	37800	10	1	0	21.04
				1	25	20.97
				1	49	21.00
				25	0	21.01
				25	12	21.04
				25	25	20.97
				50	0	21.00
	2595	38000		1	0	20.89
				1	25	21.00
				1	49	20.90
				25	0	20.93
				25	12	21.00
				25	25	21.00
				50	0	20.99
	2615	38200		1	0	21.12
				1	25	21.06
				1	49	21.13
				25	0	21.12
				25	12	21.12
				25	25	21.12
				50	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	22.71
				1	37	22.70
				1	74	22.68
				36	0	21.78
				36	29	21.76
				36	30	21.79
	2595	38000		75	0	21.80
				1	0	22.78
				1	37	22.82
				1	74	22.84
				36	0	21.78
				36	29	21.85
	2612.5	38175		36	30	21.84
				75	0	21.87
				1	0	22.99
1			37	23.03		
1			74	23.04		
36			0	21.98		
16QAM	2577.5	37825	36	29	22.08	
			36	30	22.03	
			75	0	21.84	
			1	0	22.12	
			1	37	22.12	
			1	74	22.14	
	2595	38000	36	0	20.80	
			36	29	20.88	
			36	30	20.87	
			75	0	20.84	
			1	0	21.86	
			1	37	21.82	
	2612.5	38175	1	74	21.96	
			36	0	20.77	
			36	29	20.88	
36			30	20.88		
75			0	20.80		
1			0	22.17		
			1	37	22.02	
			1	74	22.03	
			36	0	20.91	
			36	29	20.98	
			36	30	20.98	
			75	0	20.95	

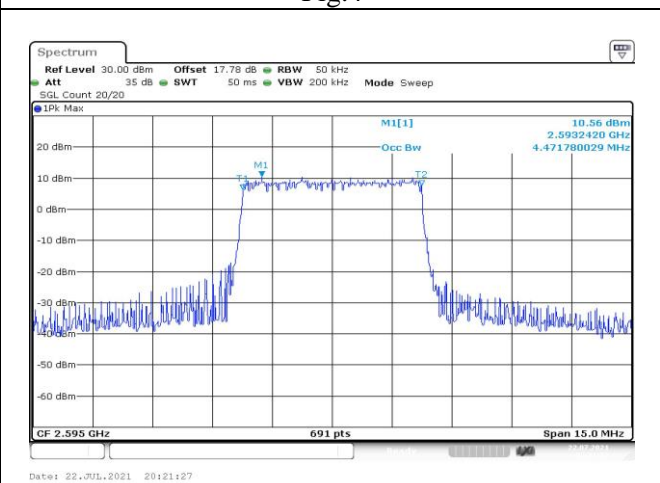
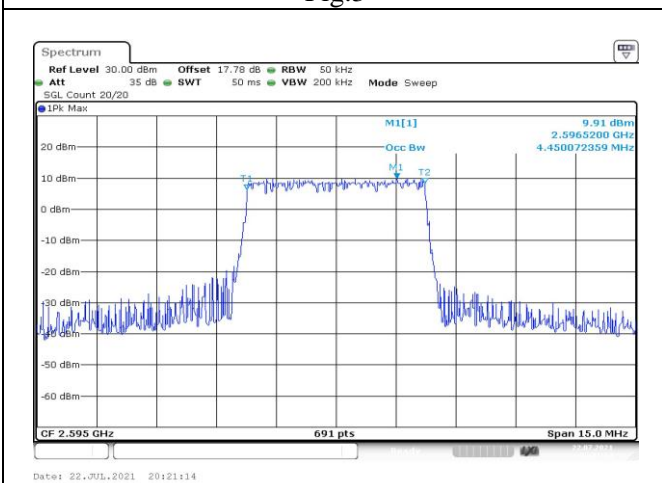
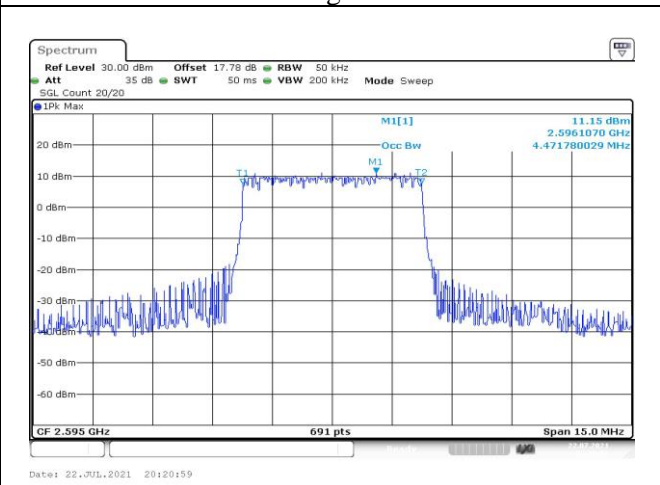
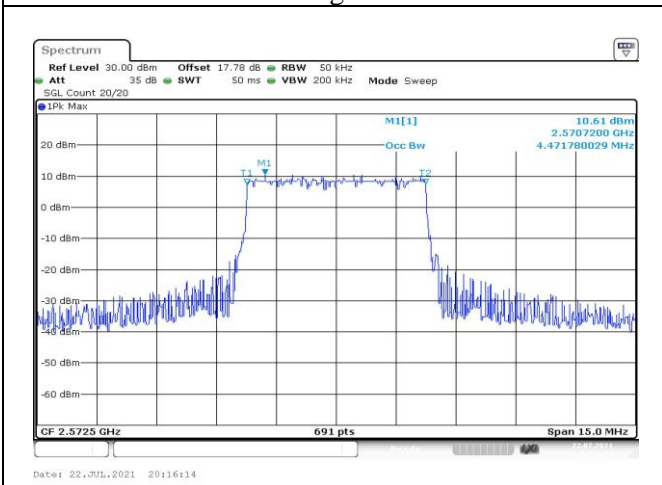
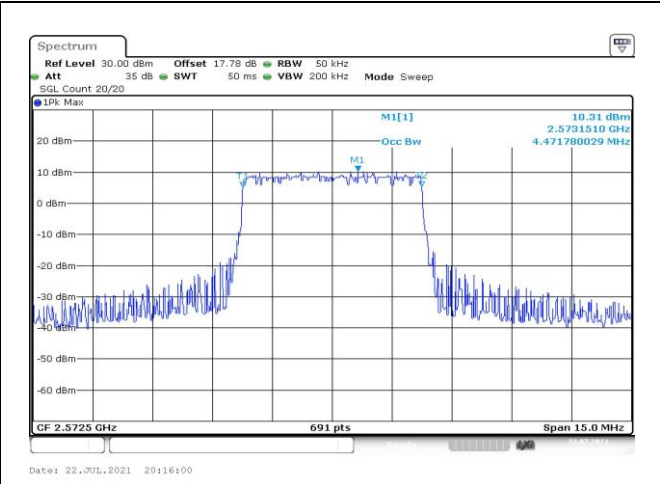
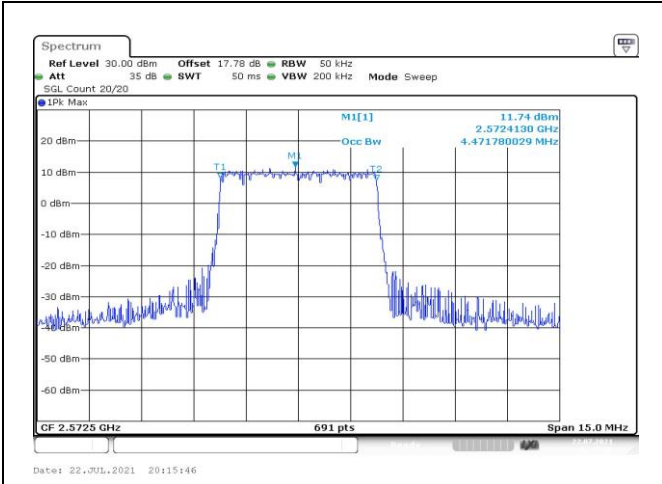
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2577.5	37825	15	1	0	20.84
				1	37	20.84
				1	74	20.83
				36	0	20.82
				36	29	20.83
				36	30	20.84
				75	0	20.85
	2595	38000		1	0	20.84
				1	37	20.87
				1	74	20.86
				36	0	20.87
				36	29	20.83
				36	30	20.87
				75	0	20.87
	2612.5	38175		1	0	20.92
				1	37	20.92
				1	74	20.92
				36	0	20.98
				36	29	20.92
				36	30	20.96
				75	0	20.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	22.80
				1	49	22.90
				1	99	22.88
				50	0	21.76
				50	24	21.92
				50	50	21.89
	2595	38000		100	0	21.84
				1	0	22.94
				1	49	23.02
				1	99	23.02
				50	0	21.85
				50	24	21.93
	2610	38150		50	50	21.93
				100	0	21.90
				1	0	22.97
				1	49	23.01
				1	99	23.05
				50	0	21.95
16QAM	2580	37850	50	24	22.02	
			50	50	22.05	
			100	0	21.97	
			1	0	22.05	
			1	49	22.15	
			1	99	22.14	
	2595	38000	50	0	20.82	
			50	24	20.90	
			50	50	20.89	
			100	0	20.97	
			1	0	22.01	
			1	49	22.08	
	2610	38150	1	99	22.05	
			50	0	20.84	
			50	24	20.93	
			50	50	20.93	
			100	0	20.99	
			1	0	21.62	
			1	49	21.68	
			1	99	21.68	
			50	0	21.04	
			50	24	21.10	
			50	50	21.15	
			100	0	20.99	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2580	37850	20	1	0	20.87
				1	49	20.87
				1	99	20.90
				50	0	20.92
				50	24	20.89
				50	50	20.91
				100	0	20.88
	2595	38000		1	0	20.92
				1	49	20.95
				1	99	20.98
				50	0	20.98
				50	24	20.88
				50	50	20.98
				100	0	20.88
	2610	38150		1	0	20.95
				1	49	21.03
				1	99	20.99
				50	0	21.02
				50	24	20.99
				50	50	21.02
				100	0	21.00

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2595	38000		25	0	4.472	Fig.4	4.450	Fig.5	4.472	Fig.6
	2617.5	38225		25	0	4.450	Fig.7	4.472	Fig.8	4.450	Fig.9
	2575	37800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2595	38000		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2615	38200		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2577.5	37825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2595	38000		75	0	13.415	Fig.22	13.480	Fig.23	13.415	Fig.24
	2612.5	38175		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2580	37850	20	100	0	17.800	Fig.28	17.800	Fig.29	17.887	Fig.30
	2595	38000		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2610	38150		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36



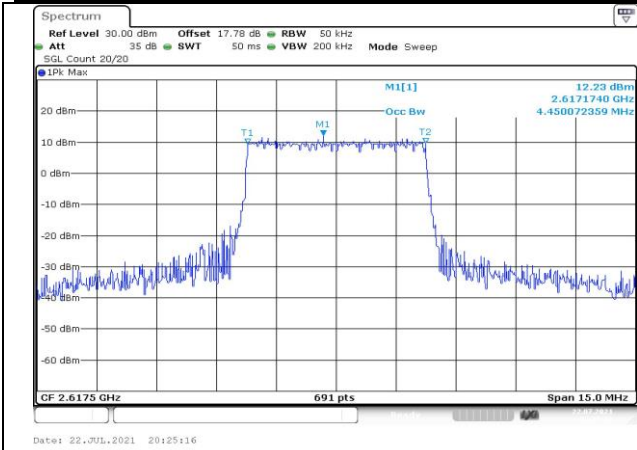


Fig.7

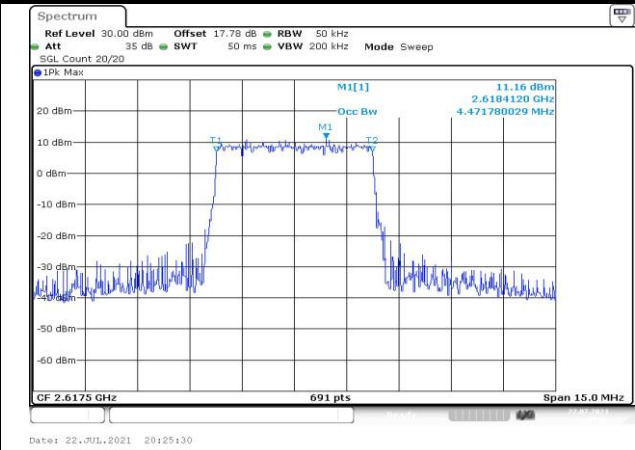


Fig.8

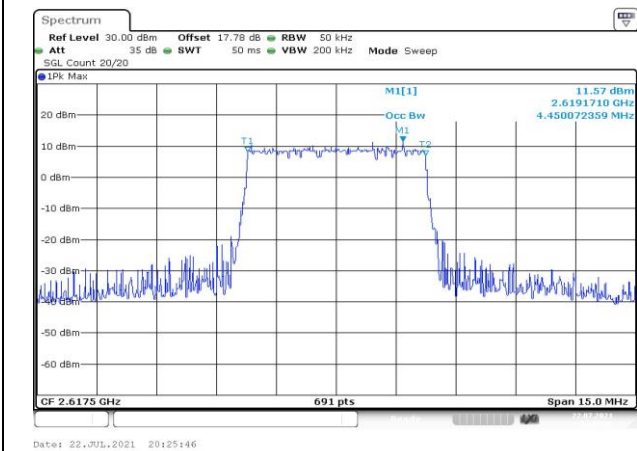


Fig.9

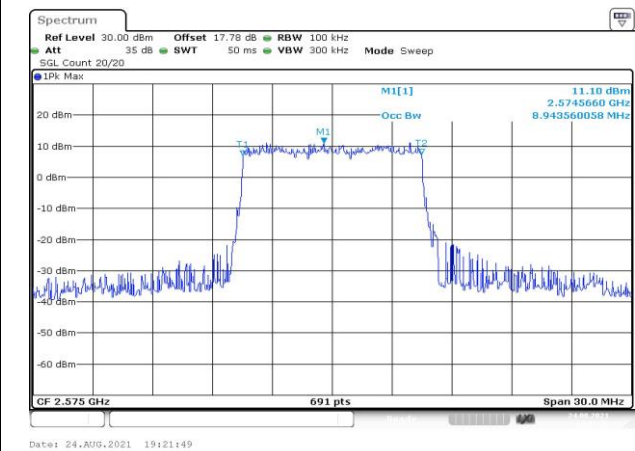


Fig.10

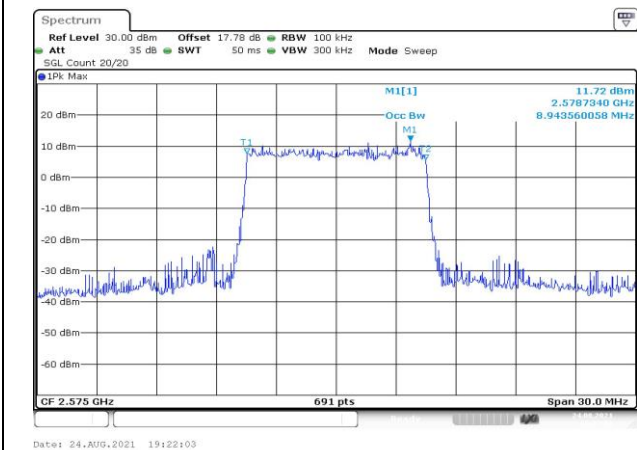


Fig.11

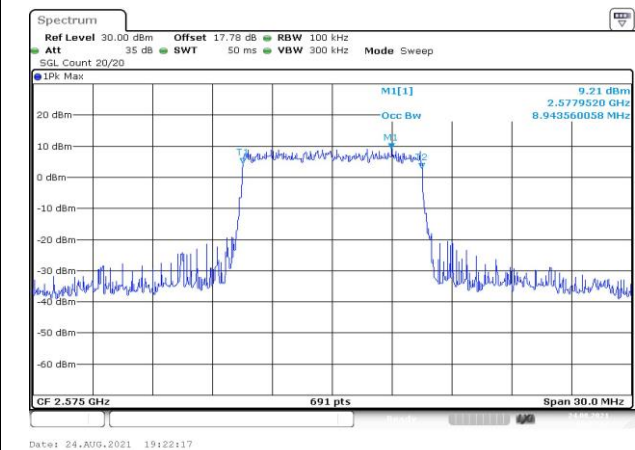


Fig.12

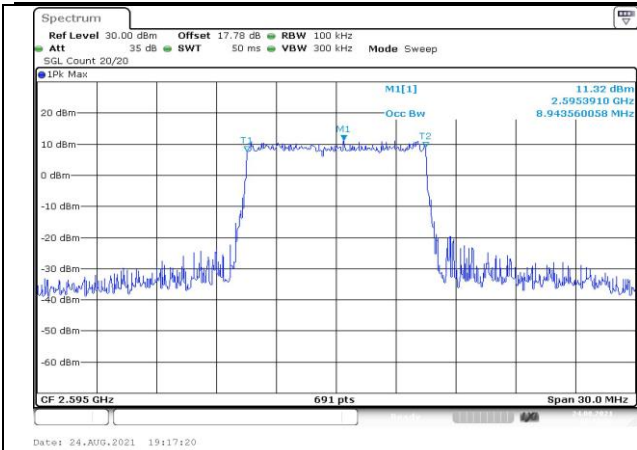


Fig.13

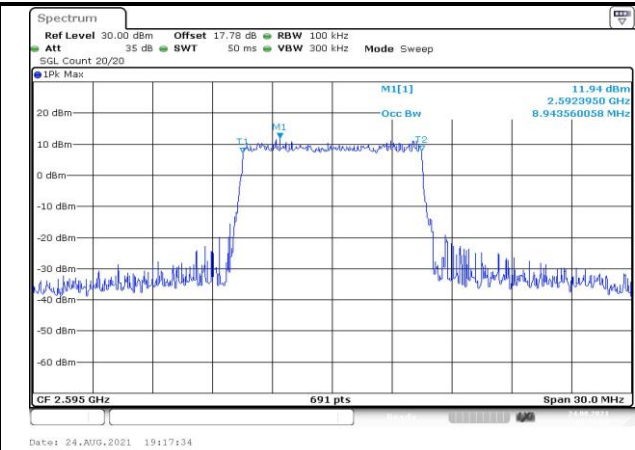


Fig.14

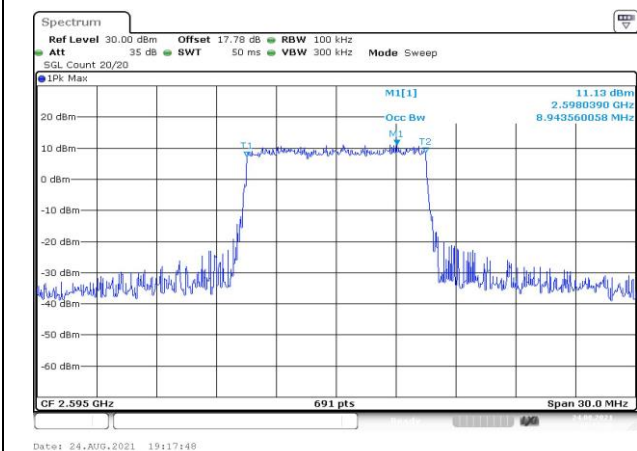


Fig.15

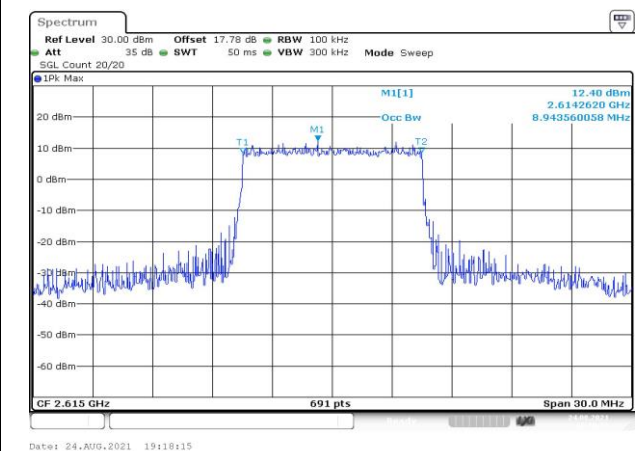


Fig.16

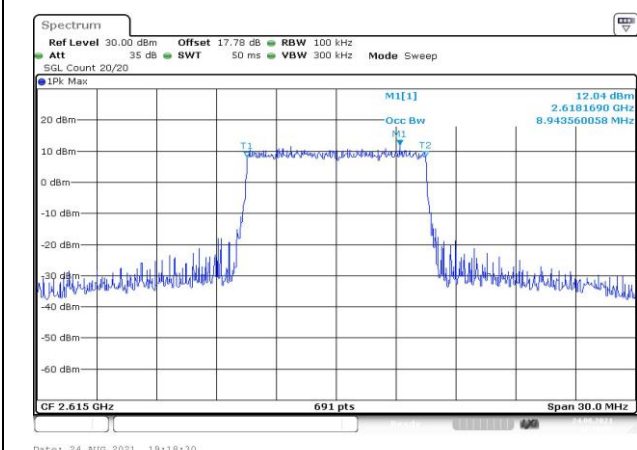


Fig.17

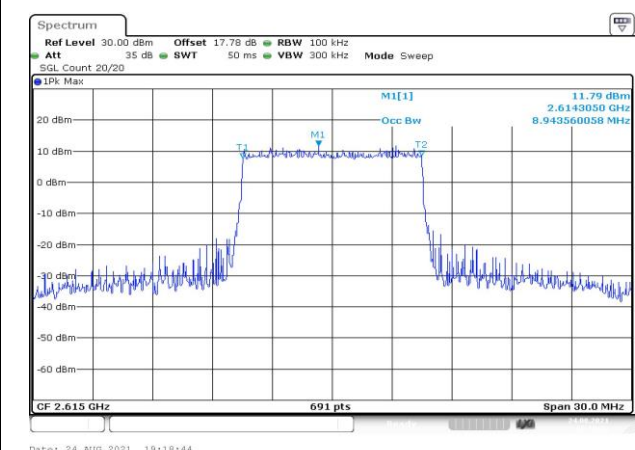


Fig.18

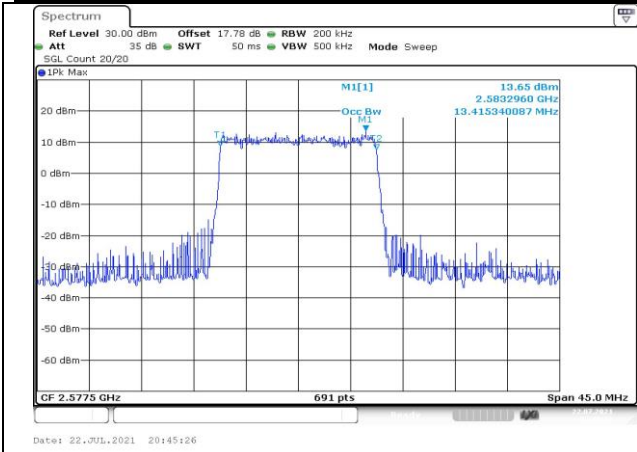


Fig.19

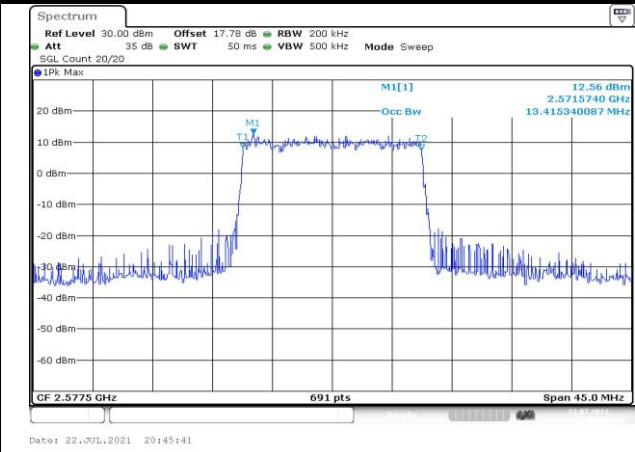


Fig.20

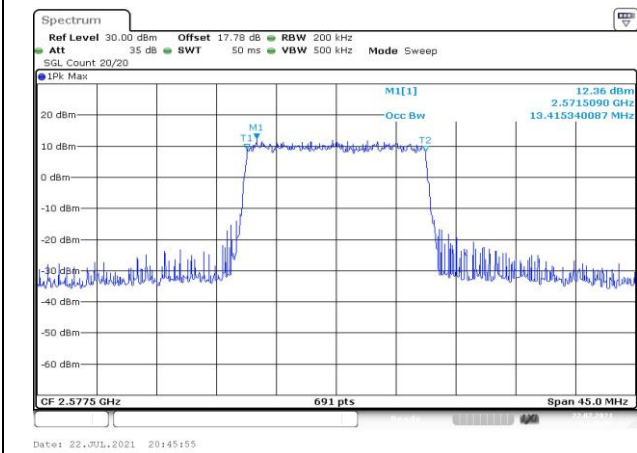


Fig.21

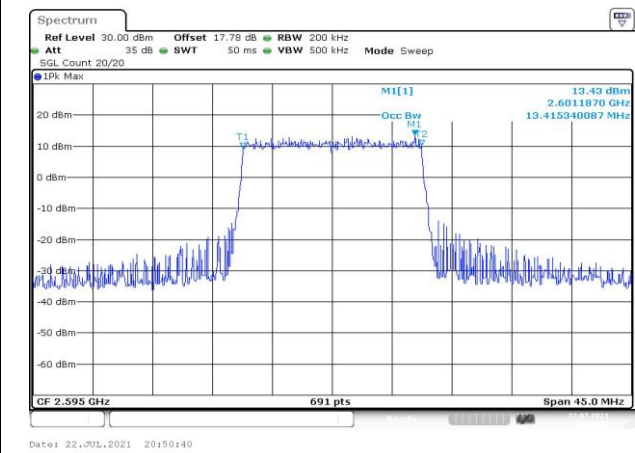


Fig.22

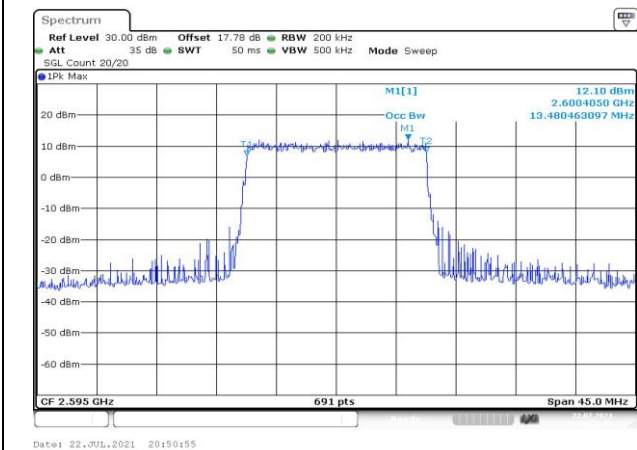


Fig.23

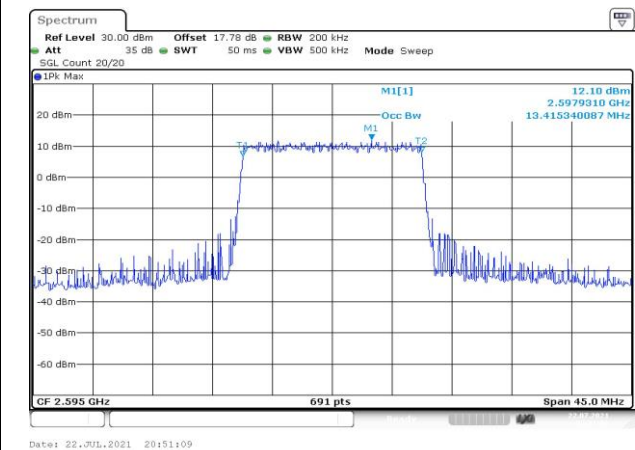


Fig.24

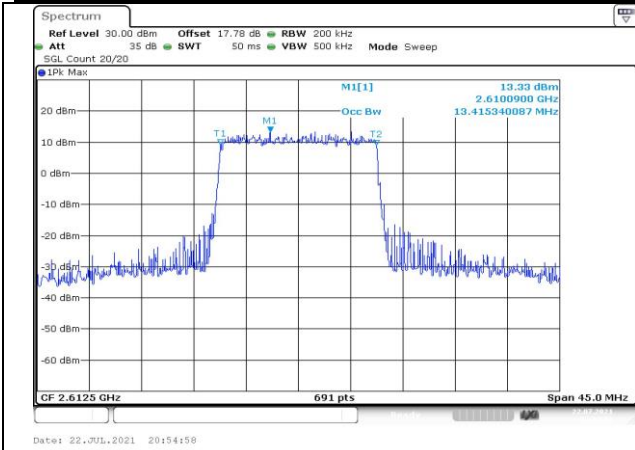


Fig.25

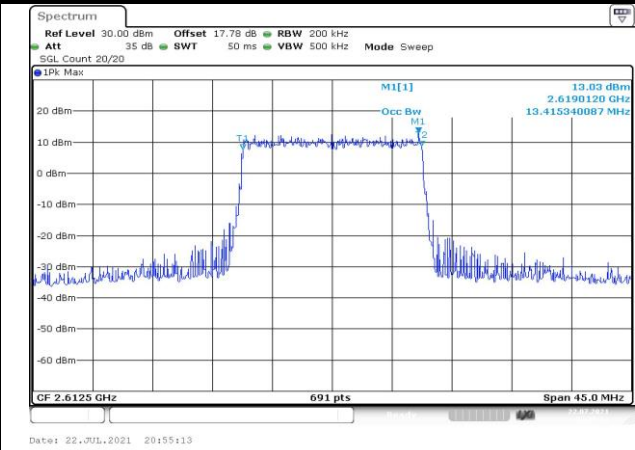


Fig.26

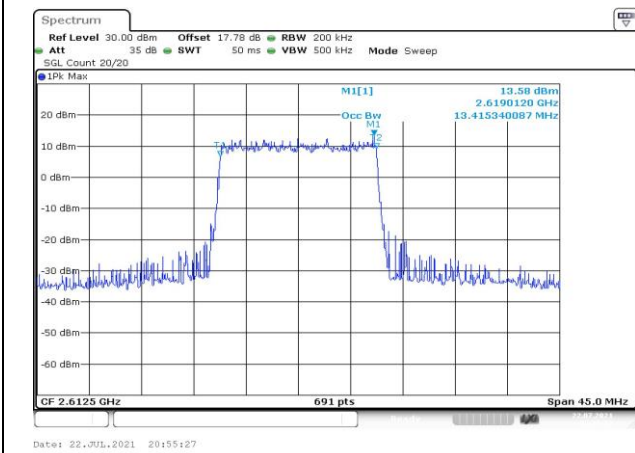


Fig.27

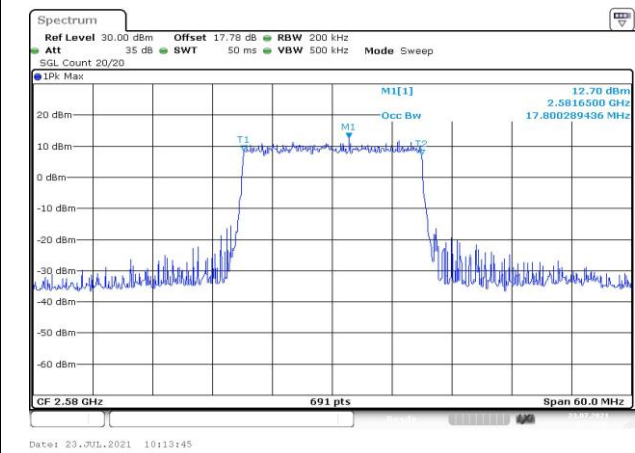


Fig.28

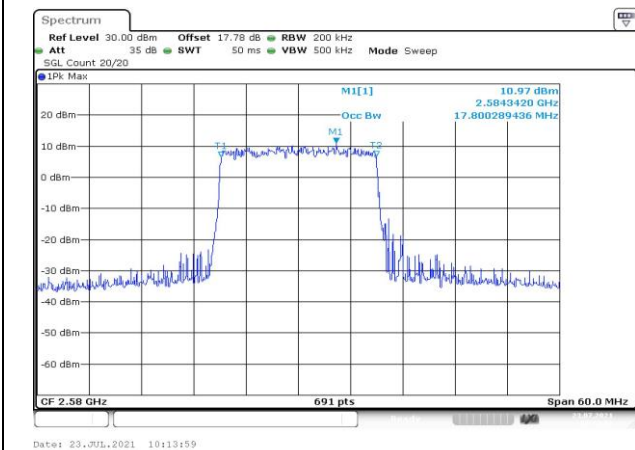


Fig.29

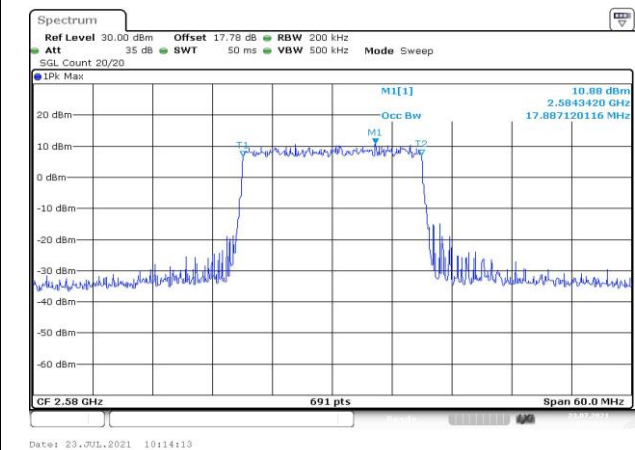


Fig.30

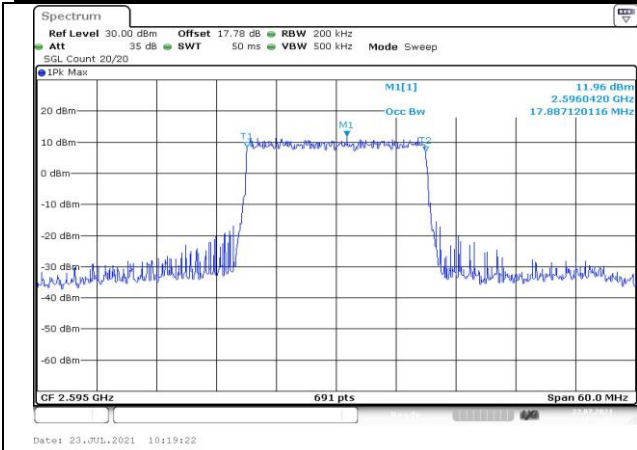


Fig.31

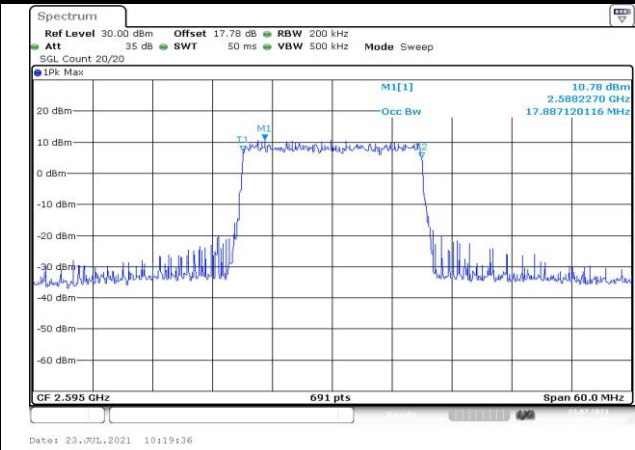


Fig.32

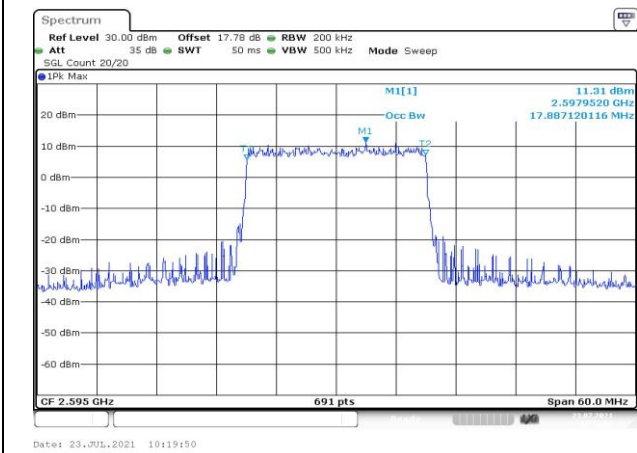


Fig.33

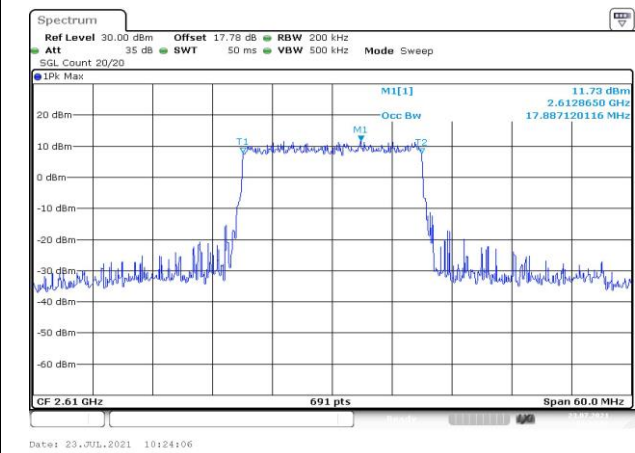


Fig.34

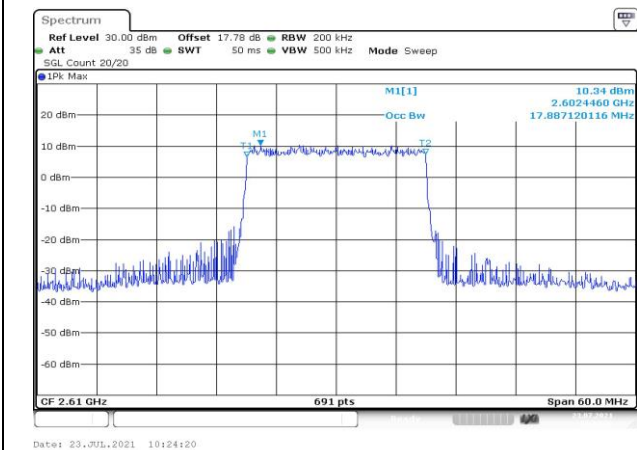


Fig.35

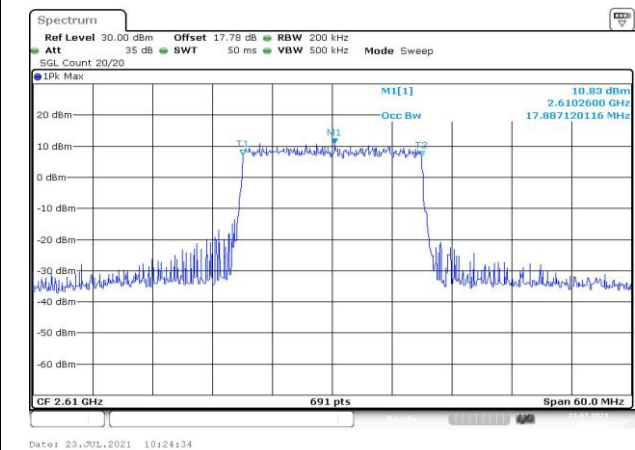


Fig.36

3 Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.863	Fig.1	4.841	Fig.2	4.841	Fig.3
	2595	38000		25	0	4.797	Fig.4	4.841	Fig.5	4.819	Fig.6
	2617.5	38225		25	0	4.797	Fig.7	4.819	Fig.8	4.819	Fig.9
	2575	37800	10	50	0	9.595	Fig.10	9.551	Fig.11	9.638	Fig.12
	2595	38000		50	0	9.551	Fig.13	9.508	Fig.14	9.638	Fig.15
	2615	38200		50	0	9.508	Fig.16	9.421	Fig.17	9.508	Fig.18
	2577.5	37825	15	75	0	14.327	Fig.19	14.327	Fig.20	14.457	Fig.21
	2595	38000		75	0	14.457	Fig.22	14.392	Fig.23	14.522	Fig.24
	2612.5	38175		75	0	14.653	Fig.25	14.457	Fig.26	14.197	Fig.27
	2580	37850	20	100	0	19.103	Fig.28	19.103	Fig.29	19.103	Fig.30
	2595	38000		100	0	19.103	Fig.31	19.016	Fig.32	19.016	Fig.33
	2610	38150		100	0	19.016	Fig.34	18.755	Fig.35	19.103	Fig.36

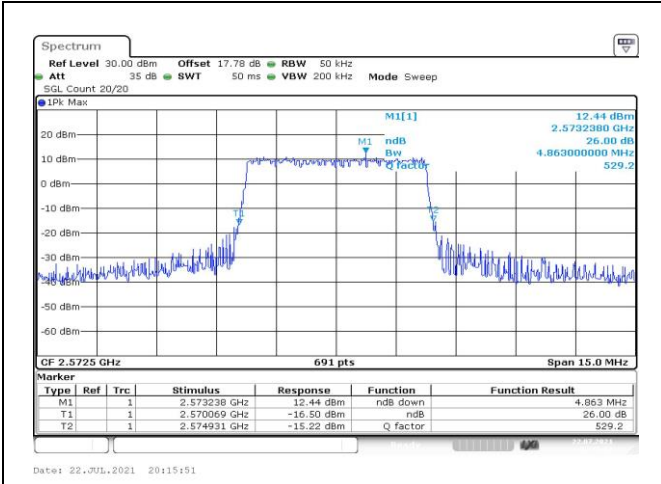


Fig.1

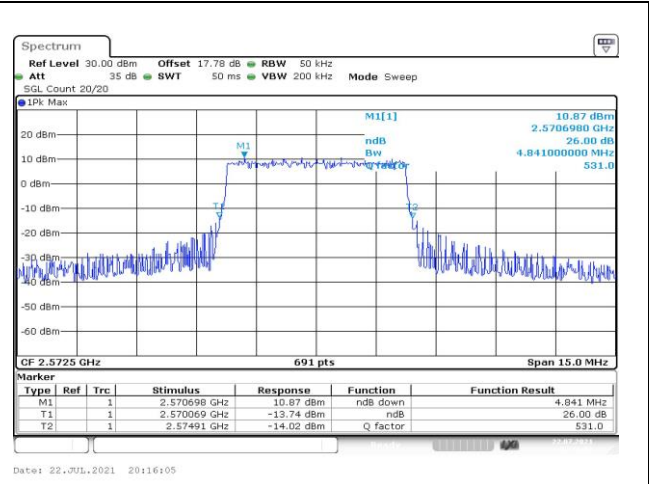


Fig.2

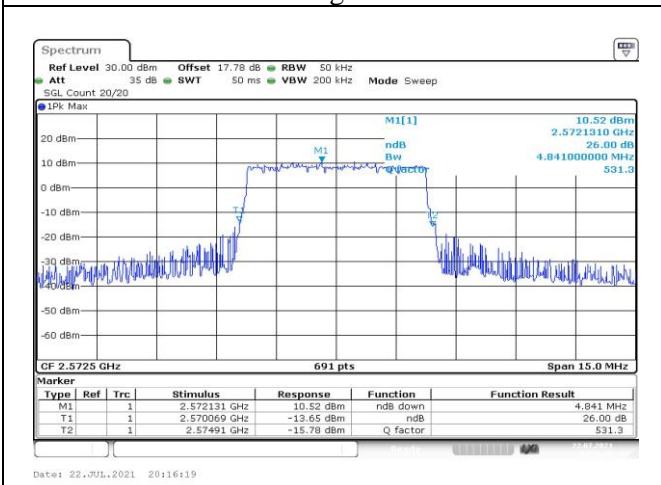


Fig.3

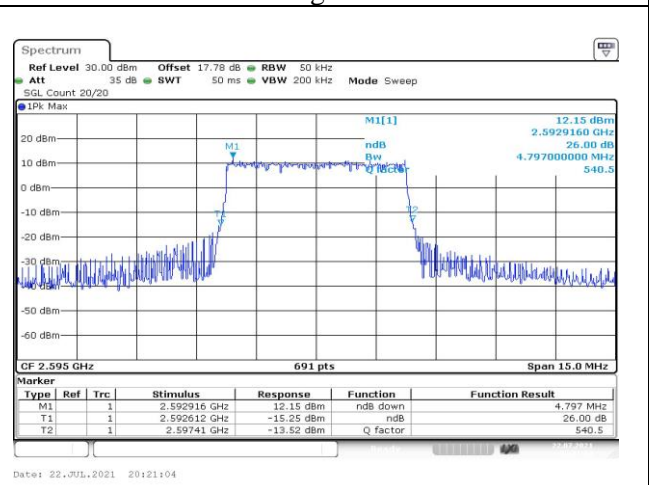


Fig.4

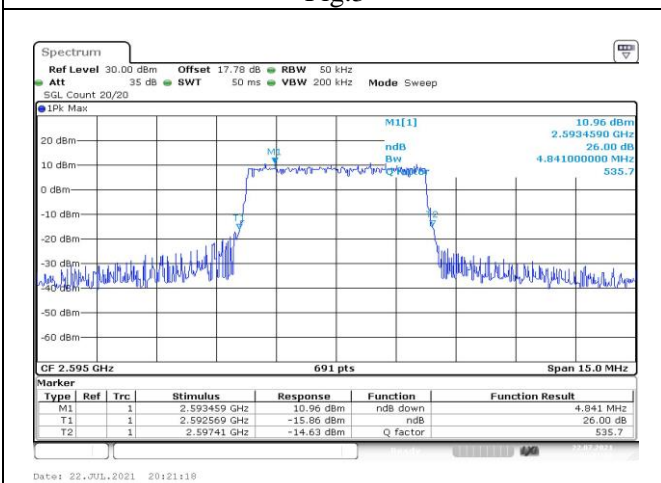


Fig.5

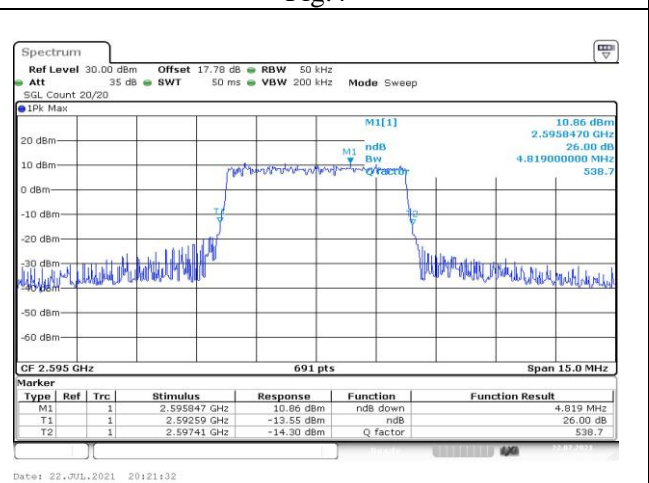


Fig.6

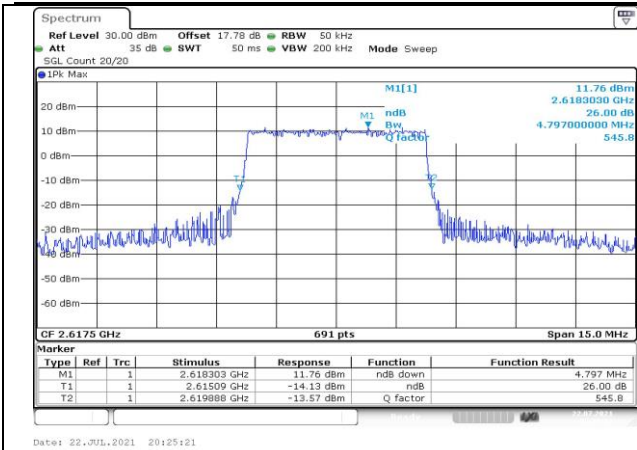


Fig.7

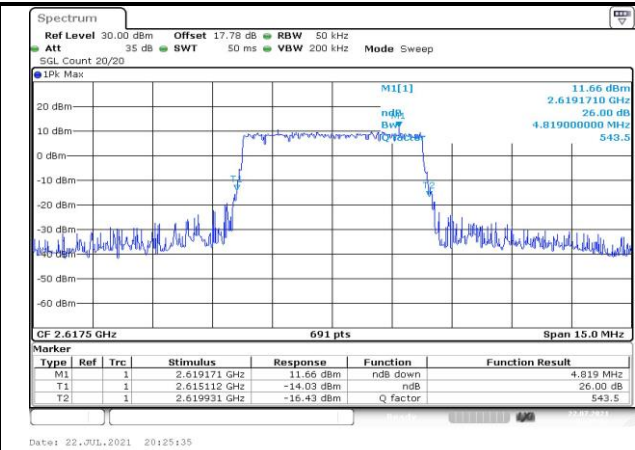


Fig.8

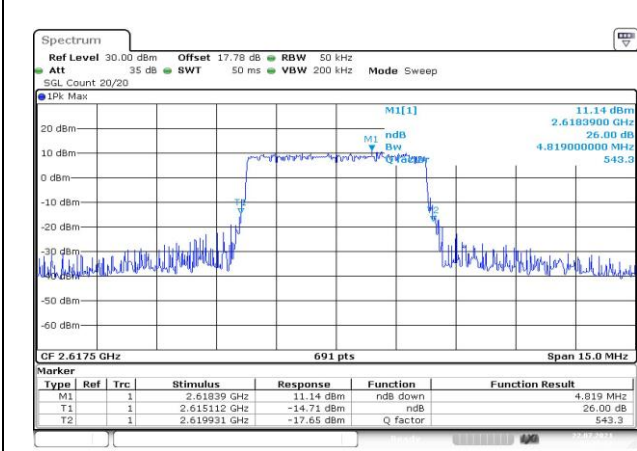


Fig.9

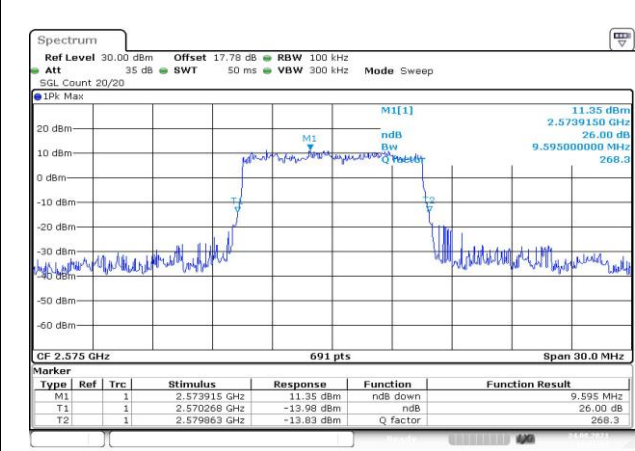


Fig.10

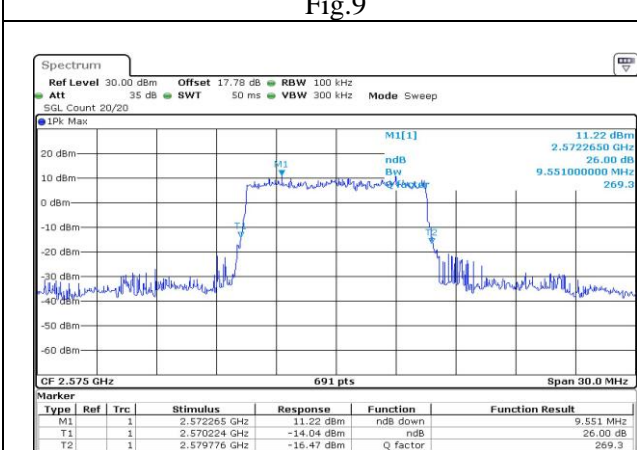


Fig.11

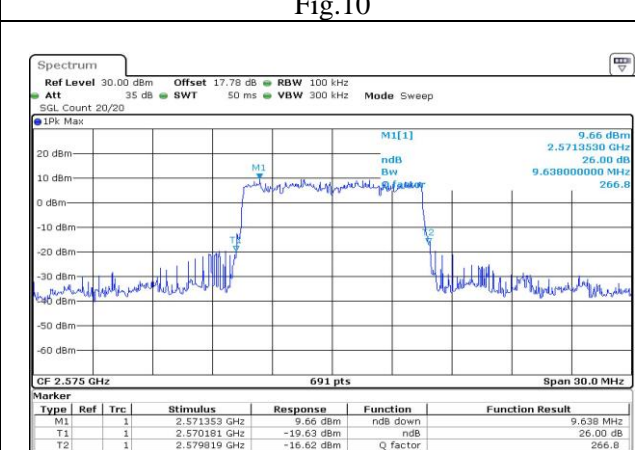


Fig.12

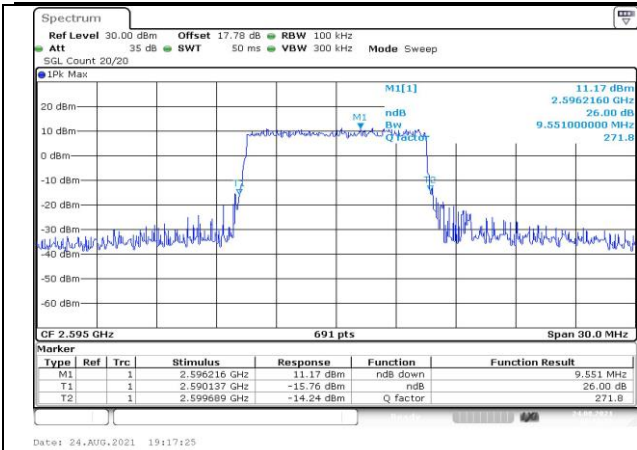


Fig.13

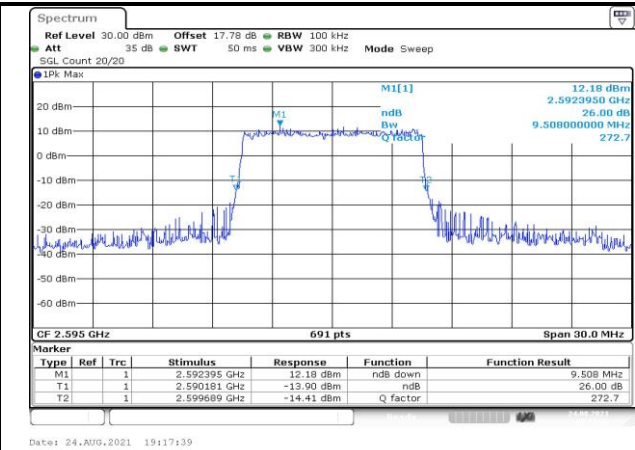


Fig.14

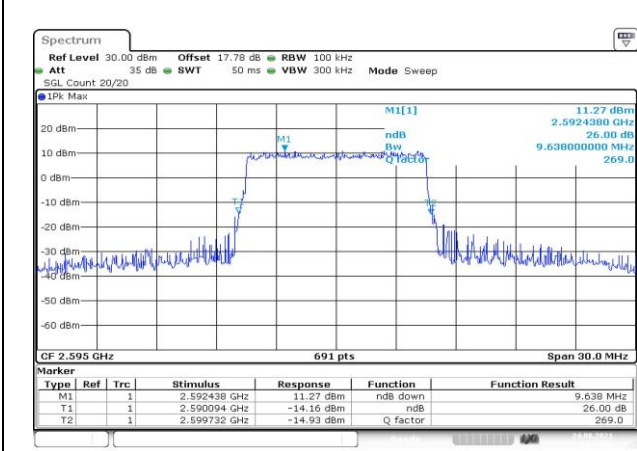


Fig.15

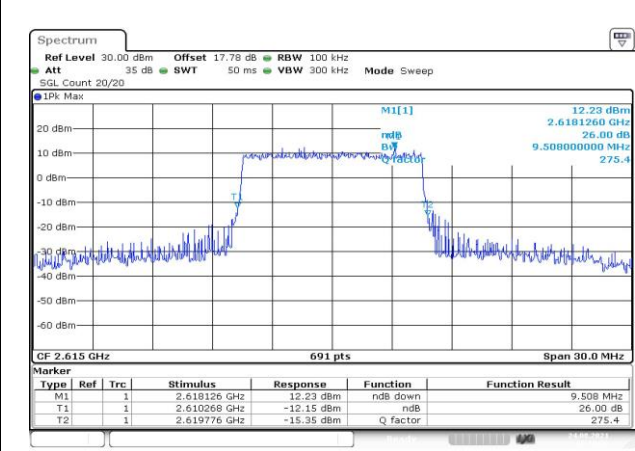


Fig.16

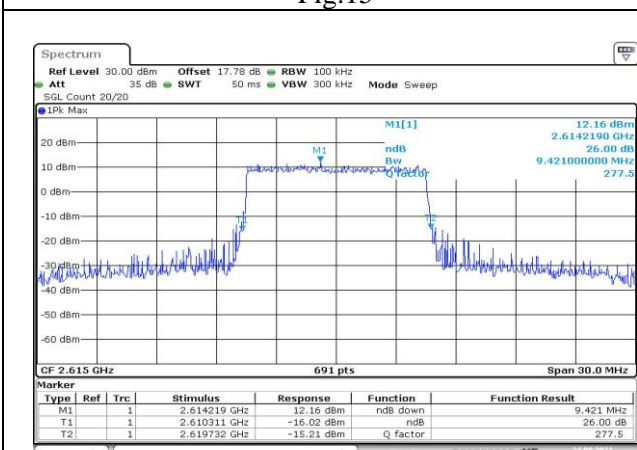


Fig.17

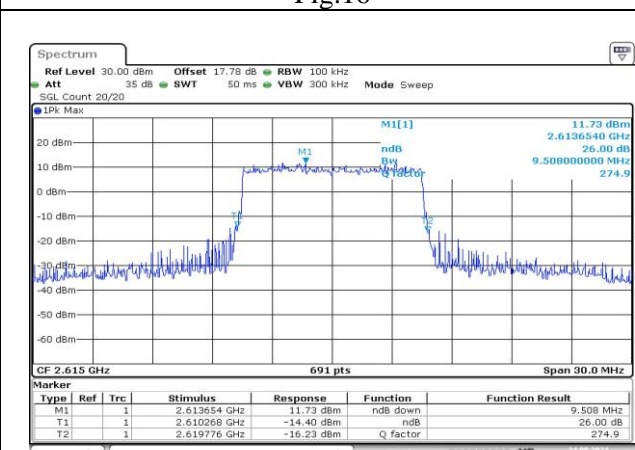


Fig.18

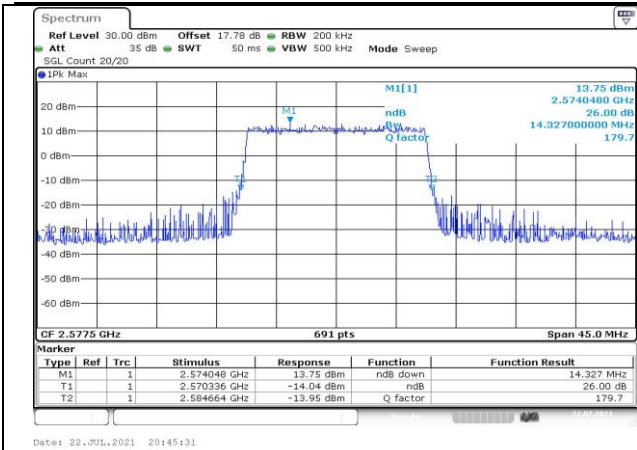


Fig.19

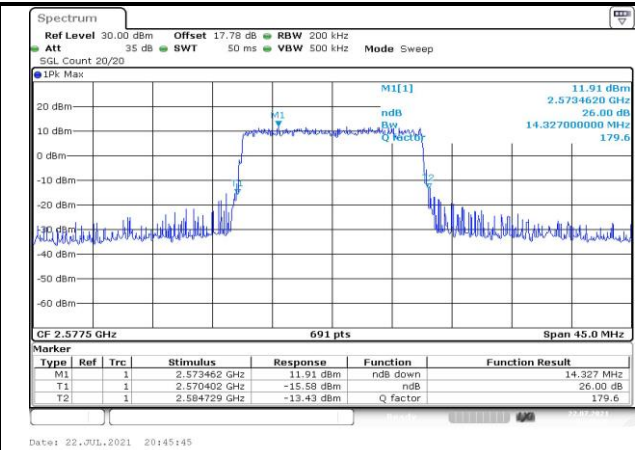


Fig.20

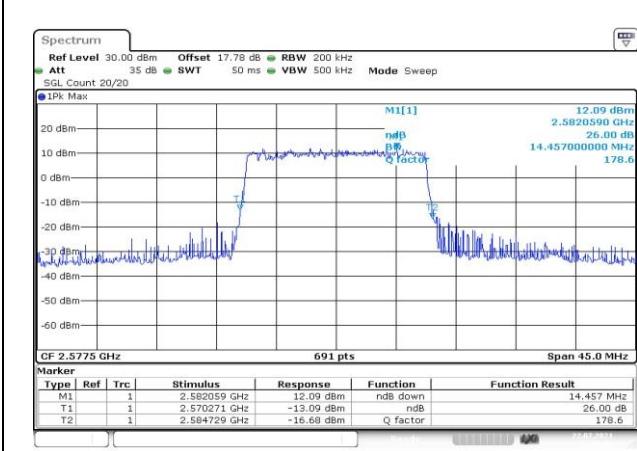


Fig.21

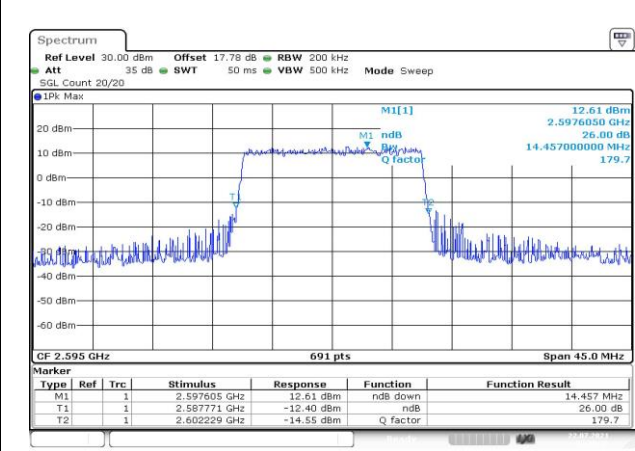


Fig.22

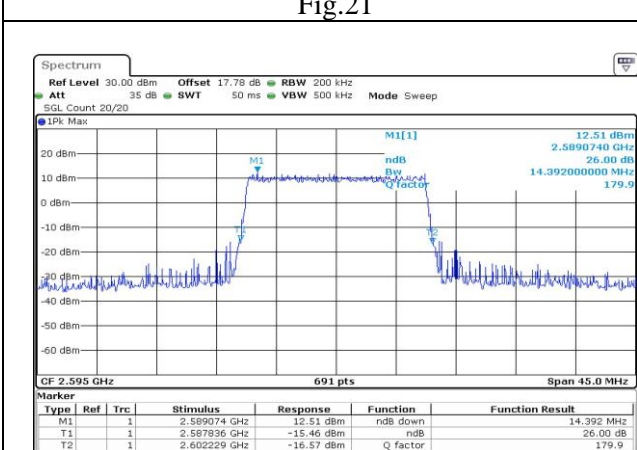


Fig.23

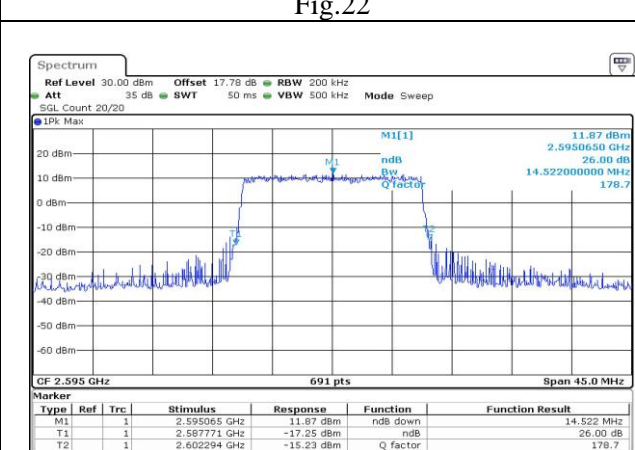


Fig.24

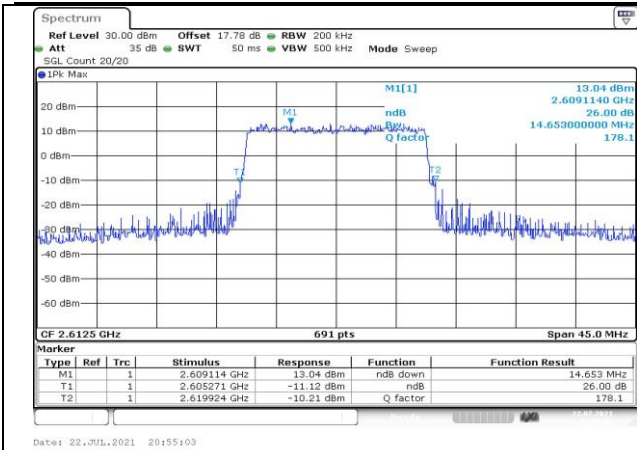


Fig.25

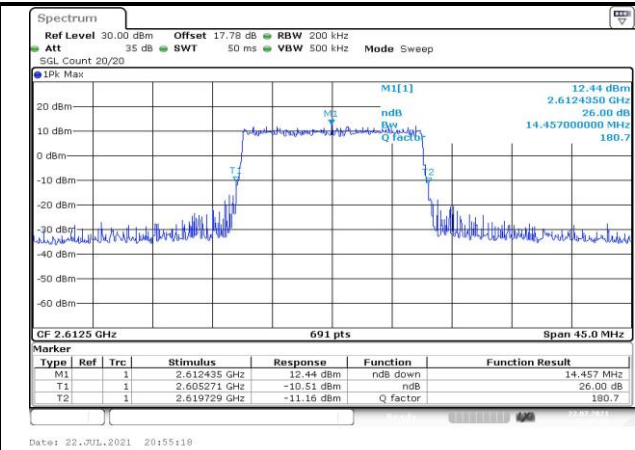


Fig.26

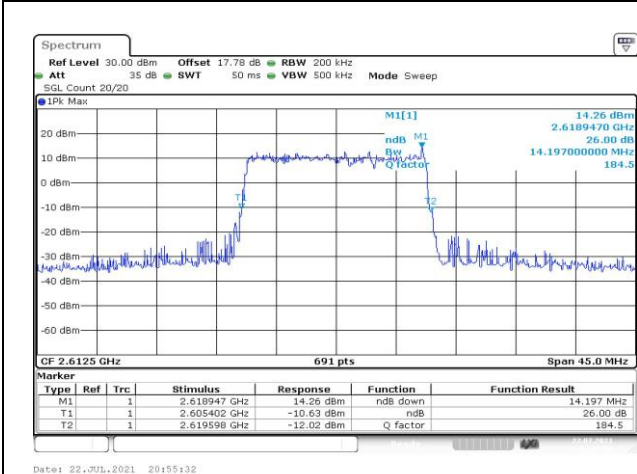


Fig.27

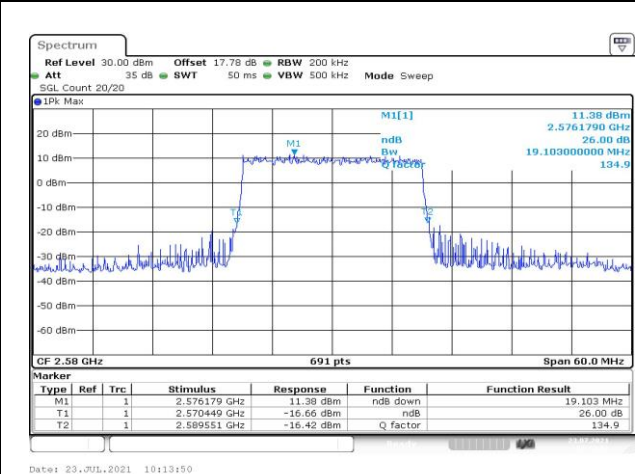


Fig.28

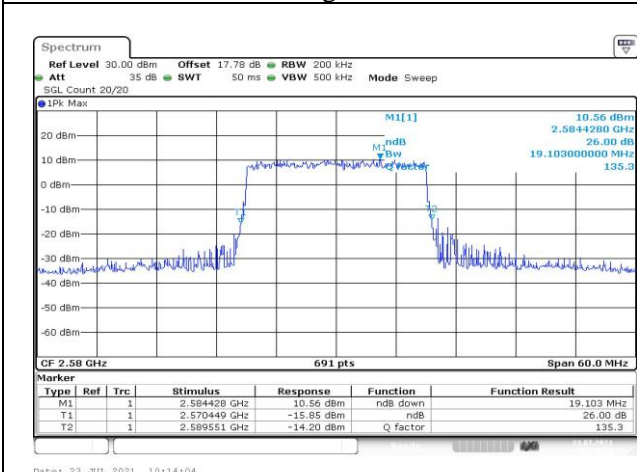


Fig.29

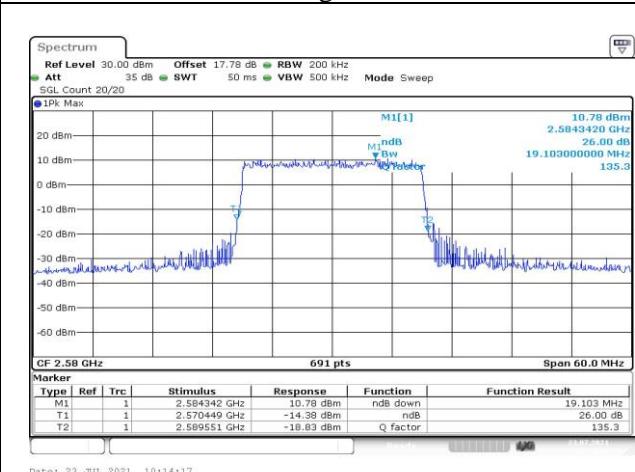


Fig.30

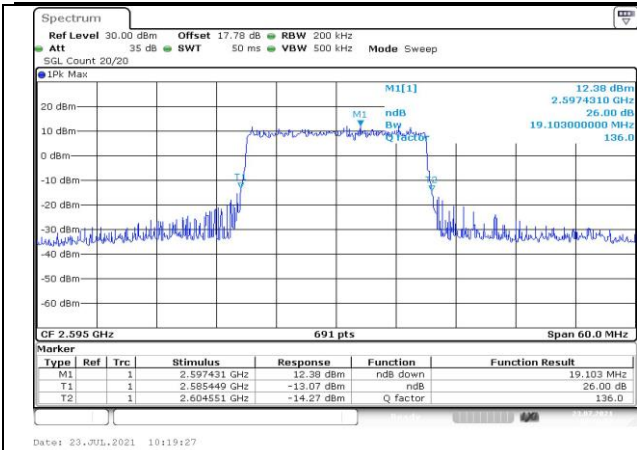


Fig.31

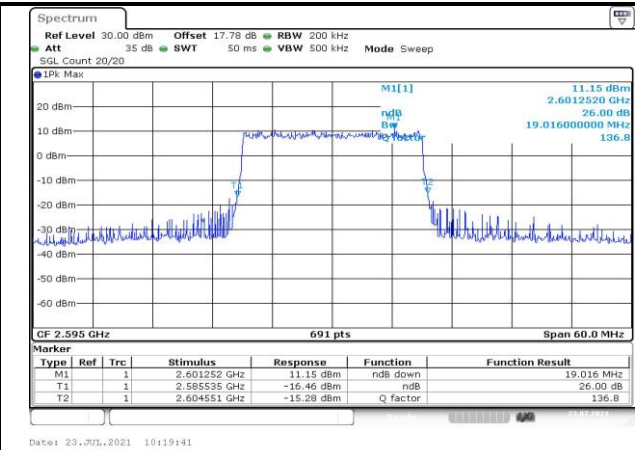


Fig.32

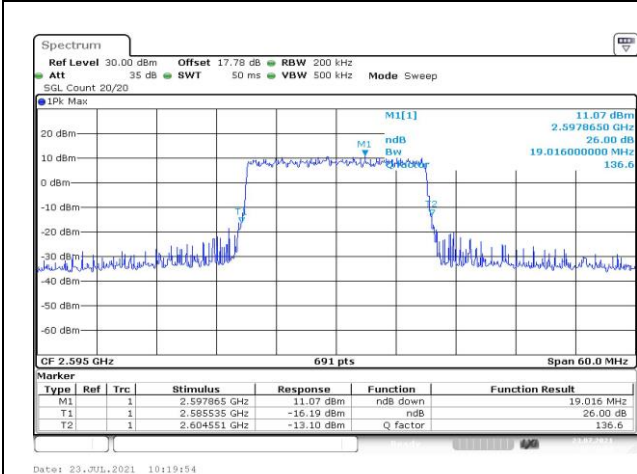


Fig.33

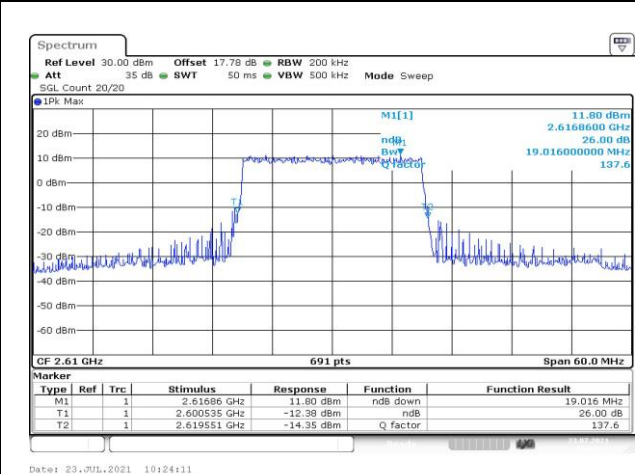


Fig.34

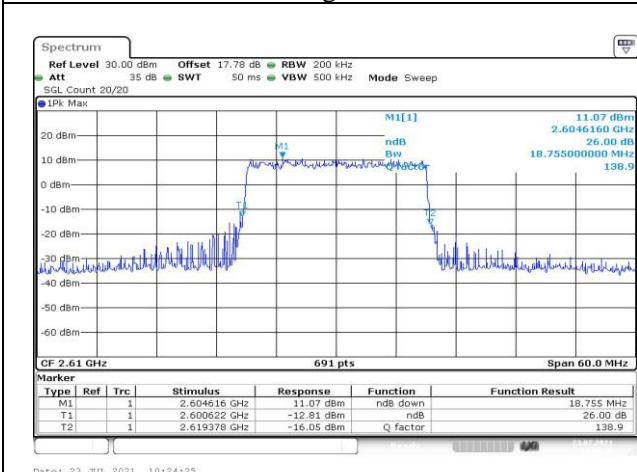


Fig.35

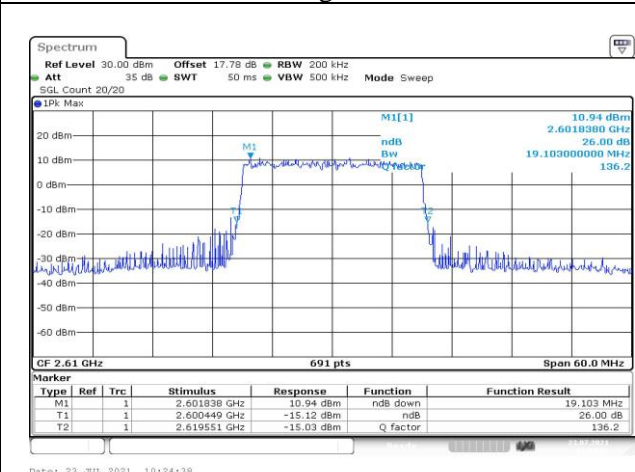


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2	Fig.3
	2572.5	37775		25	0	Fig.4	Fig.5	Fig.6
	2595	38000		1	24	Fig.7	Fig.8	Fig.9
	2595	38000		25	0	Fig.10	Fig.11	Fig.12
	2617.5	38225		1	24	Fig.13	Fig.14	Fig.15
	2617.5	38225		25	0	Fig.16	Fig.17	Fig.18
	2575	37800	10	1	49	Fig.19	Fig.20	Fig.21
	2575	37800		50	0	Fig.22	Fig.23	Fig.24
	2595	38000		1	49	Fig.25	Fig.26	Fig.27
	2595	38000		50	0	Fig.28	Fig.29	Fig.30
	2615	38200		1	49	Fig.31	Fig.32	Fig.33
	2615	38200		50	0	Fig.34	Fig.35	Fig.36
	2577.5	37825	15	1	74	Fig.37	Fig.38	Fig.39
	2577.5	37825		75	0	Fig.40	Fig.41	Fig.42
	2595	38000		1	74	Fig.43	Fig.44	Fig.45
	2595	38000		75	0	Fig.46	Fig.47	Fig.48
	2612.5	38175		1	74	Fig.49	Fig.50	Fig.51
	2612.5	38175		75	0	Fig.52	Fig.53	Fig.54
	2580	37850	20	1	99	Fig.55	Fig.56	Fig.57
	2580	37850		100	0	Fig.58	Fig.59	Fig.60
	2595	38000		1	99	Fig.61	Fig.62	Fig.63
	2595	38000		100	0	Fig.64	Fig.65	Fig.66
	2610	38150		1	99	Fig.67	Fig.68	Fig.69
	2610	38150		100	0	Fig.70	Fig.71	Fig.72

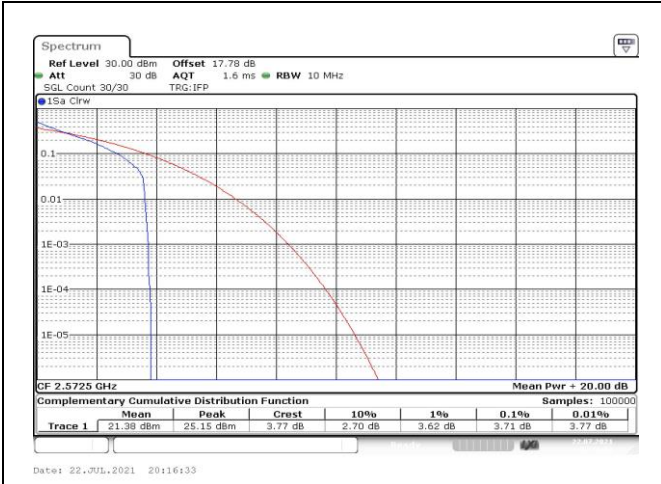


Fig.1

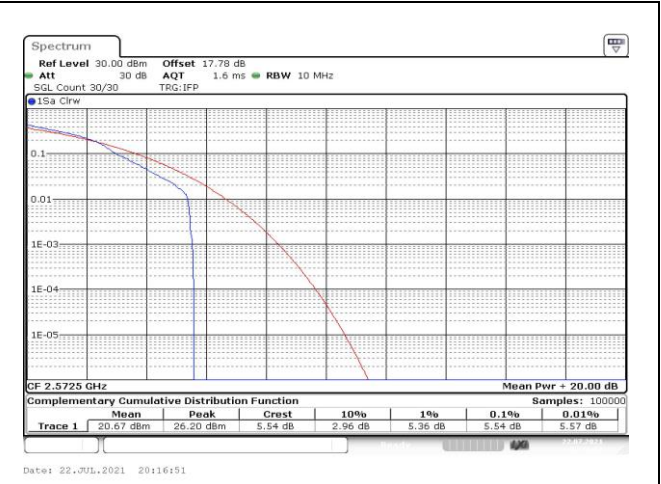


Fig.2

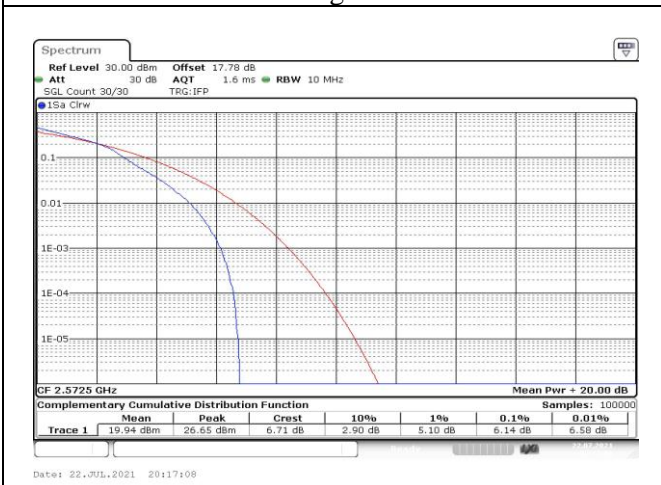


Fig.3

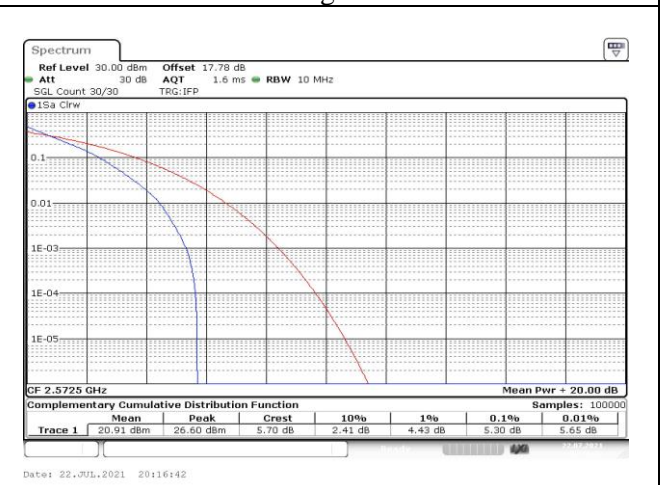


Fig.4

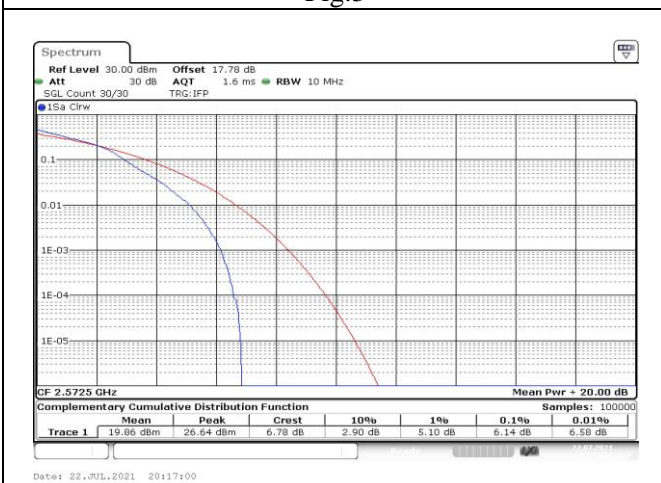


Fig.5

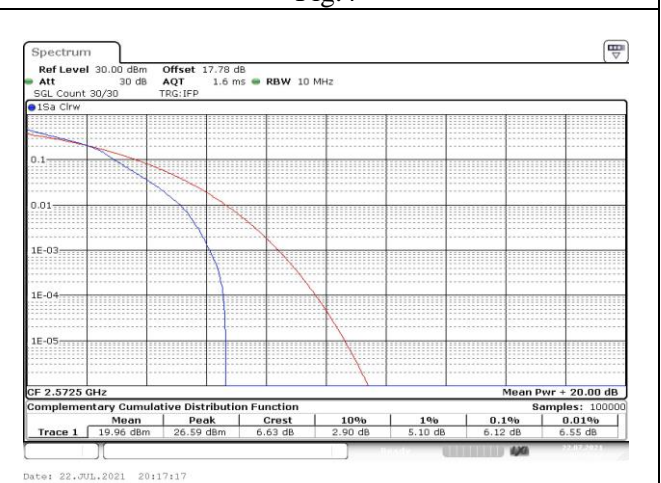


Fig.6



Fig.7



Fig.8

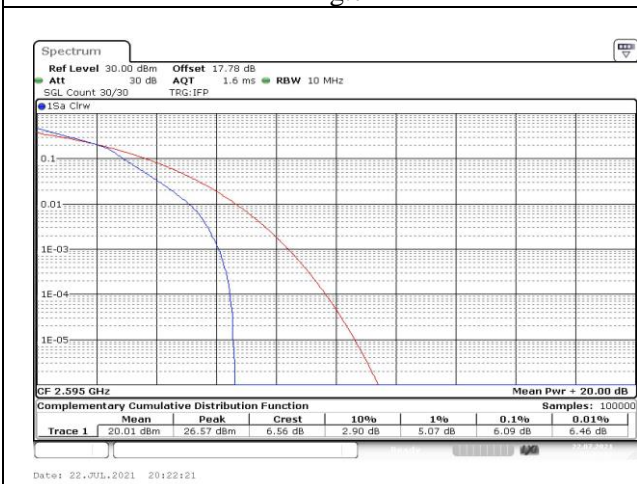


Fig.9

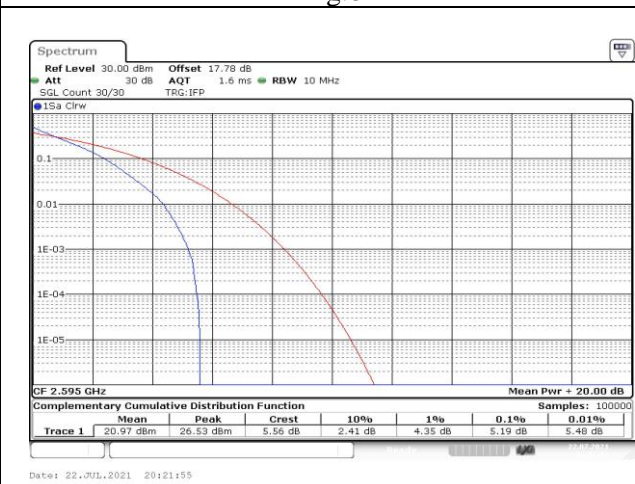


Fig.10

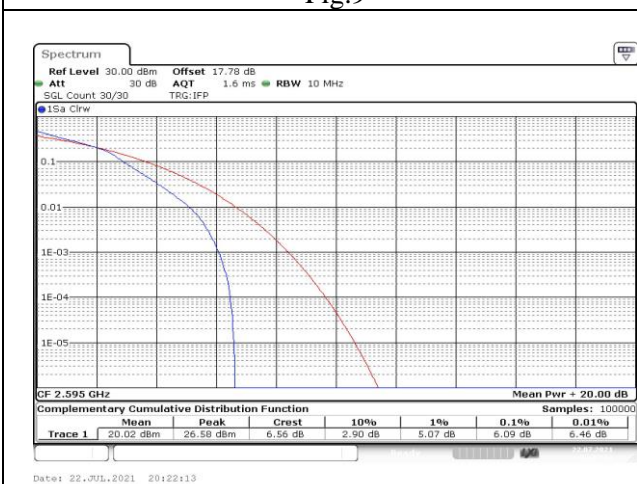


Fig.11

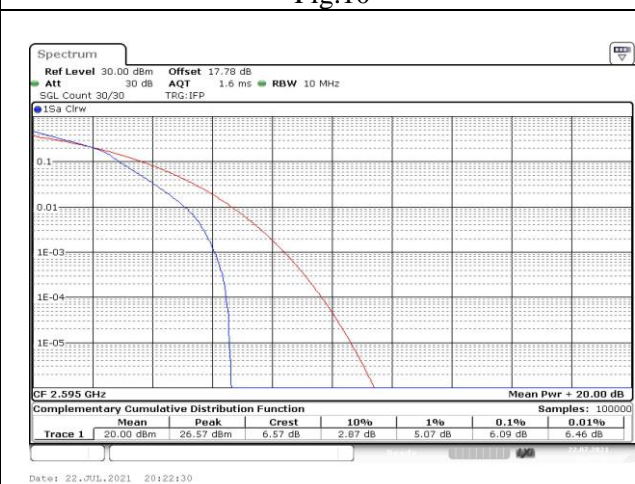


Fig.12