

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	23.43	
				1	12	23.39	
				1	24	23.35	
				12	0	22.46	
				12	7	22.35	
				12	13	22.50	
	2595	38000		25	0	22.45	
				1	0	23.69	
				1	12	23.48	
				1	24	23.71	
				12	0	22.68	
				12	7	22.75	
	2617.5	38225		12	13	22.74	
				25	0	22.79	
				1	0	23.61	
				1	12	23.47	
				1	24	23.59	
				12	0	22.58	
	16QAM	2572.5		37775	12	7	22.55
					12	13	22.54
					25	0	22.53
					1	0	22.74
					1	12	22.79
					1	24	22.65
2595		38000		12	0	21.67	
				12	7	21.50	
				12	13	21.72	
				25	0	21.52	
				1	0	23.07	
				1	12	23.05	
2617.5		38225		1	24	22.94	
				12	0	21.76	
				12	7	21.65	
				12	13	21.76	
				25	0	21.90	
				1	0	22.69	
2572.5		37775		1	12	22.80	
				1	24	22.79	
				12	0	21.56	
				12	7	21.71	
				12	13	21.64	
				25	0	21.64	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2572.5	37775	5	1	0	21.67
				1	12	21.58
				1	24	21.61
				12	0	21.57
				12	7	21.63
				12	13	21.73
	25	0		21.66		
	2595	38000		1	0	21.75
				1	12	21.83
				1	24	21.75
				12	0	21.67
				12	7	21.82
				12	13	21.82
	25	0		21.75		
	2617.5	38225		1	0	21.64
				1	12	21.63
				1	24	21.52
				12	0	21.52
				12	7	21.64
				12	13	21.64
				25	0	21.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2575	37800	10	1	0	23.93	
				1	25	23.69	
				1	49	23.78	
				25	0	22.95	
				25	12	22.88	
				25	25	22.87	
				50	0	22.96	
	2595	38000		1	0	23.85	
				1	25	23.68	
				1	49	23.67	
				25	0	22.80	
				25	12	22.73	
				25	25	22.77	
				50	0	22.93	
	2615	38200		1	0	23.81	
				1	25	23.56	
				1	49	23.64	
				25	0	22.89	
				25	12	22.70	
				25	25	22.73	
				50	0	22.85	
	16QAM	2575		37800	1	0	23.39
					1	25	23.17
					1	49	23.17
25					0	22.00	
25					12	21.94	
25					25	22.00	
50					0	21.94	
2595		38000		1	0	22.73	
				1	25	22.51	
			1	49	22.51		
			25	0	21.97		
			25	12	21.89		
			25	25	21.99		
			50	0	21.87		
2615		38200	1	0	22.78		
			1	25	22.56		
			1	49	22.86		
			25	0	21.77		
			25	12	21.78		
			25	25	21.78		
			50	0	21.78		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2575	37800	10	1	0	21.84
				1	25	21.88
				1	49	21.91
				25	0	21.87
				25	12	21.87
				25	25	21.91
	2595	38000		50	0	21.84
				1	0	21.93
				1	25	21.87
				1	49	21.80
				25	0	21.81
				25	12	21.94
				25	25	21.77
				50	0	21.77
	2615	38200		1	0	21.89
				1	25	21.87
				1	49	21.87
				25	0	21.98
				25	12	21.98
				25	25	21.97
				50	0	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2577.5	37825	15	1	0	24.04	
				1	37	23.75	
				1	74	23.73	
				36	0	22.98	
				36	29	22.93	
				36	30	22.93	
				75	0	22.97	
	2595	38000		1	0	24.02	
				1	37	23.74	
				1	74	23.79	
				36	0	22.91	
				36	29	22.74	
				36	30	22.88	
				75	0	22.93	
	2612.5	38175		1	0	24.07	
				1	37	23.96	
				1	74	23.80	
				36	0	22.87	
				36	29	22.82	
				36	30	22.71	
				75	0	22.84	
	16QAM	2577.5		37825	1	0	23.54
					1	37	23.21
					1	74	23.18
36					0	22.17	
36					29	22.03	
36					30	21.99	
75					0	22.03	
2595		38000		1	0	22.97	
				1	37	22.72	
			1	74	22.72		
			36	0	22.01		
			36	29	21.90		
			36	30	21.84		
			75	0	21.98		
2612.5		38175	1	0	22.78		
			1	37	22.60		
			1	74	22.56		
			36	0	21.82		
			36	29	21.87		
			36	30	21.80		
75	0	21.82					

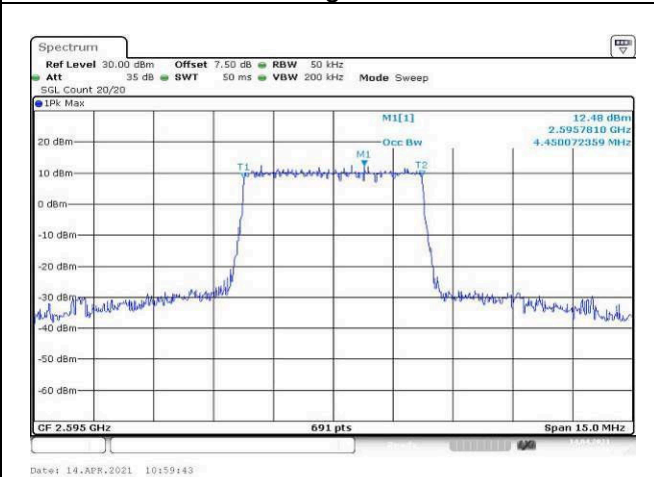
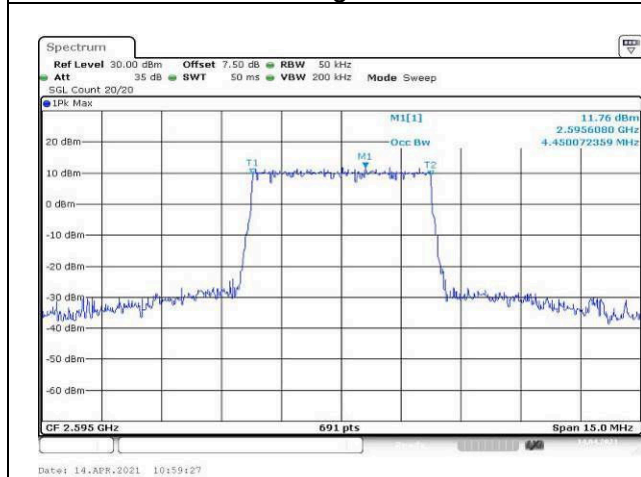
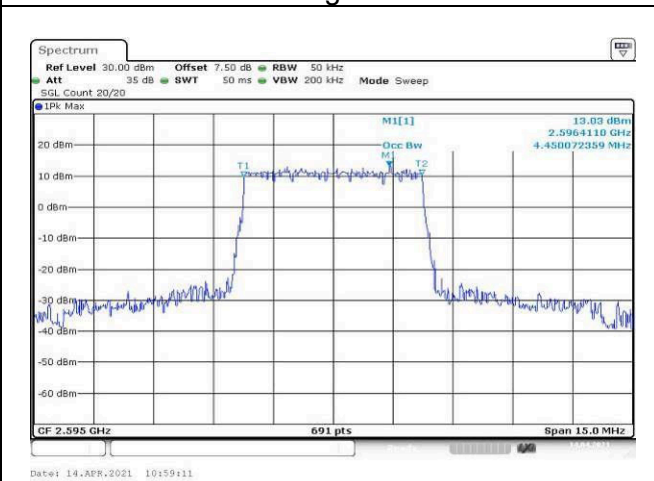
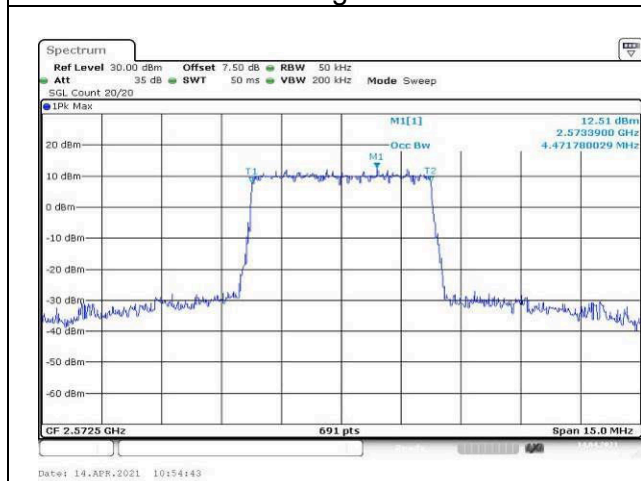
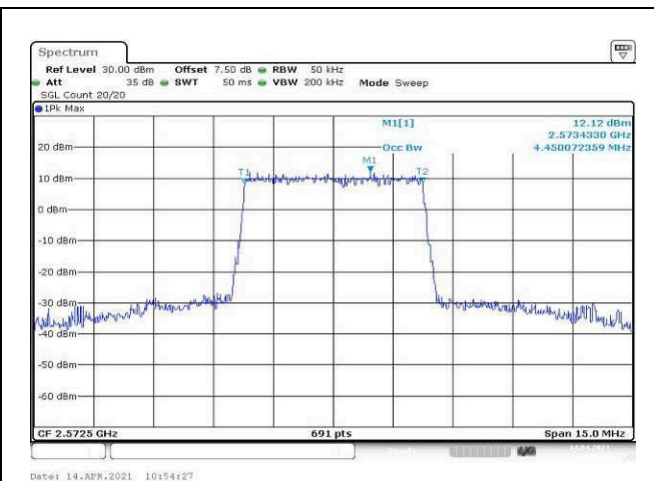
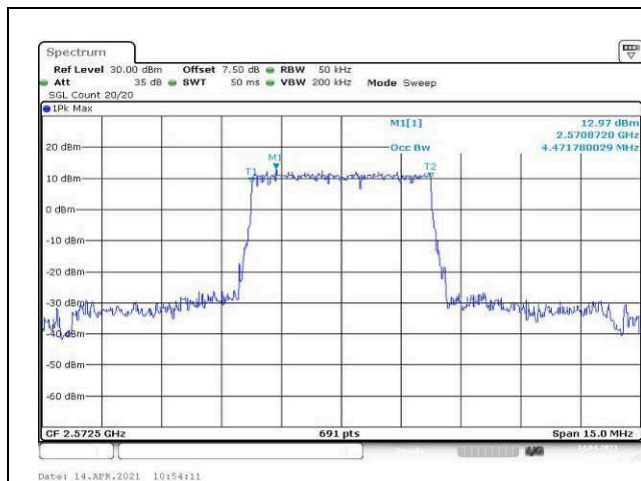
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2577.5	37825	15	1	0	22.03
				1	37	22.10
				1	74	21.96
				36	0	21.99
				36	29	21.99
				36	30	22.10
				75	0	22.10
	2595	38000		1	0	21.81
				1	37	21.98
				1	74	21.98
				36	0	21.91
				36	29	22.06
				36	30	21.91
				75	0	22.05
	2612.5	38175		1	0	21.97
				1	37	21.90
				1	74	22.04
				36	0	21.90
				36	29	21.83
				36	30	21.90
				75	0	21.83

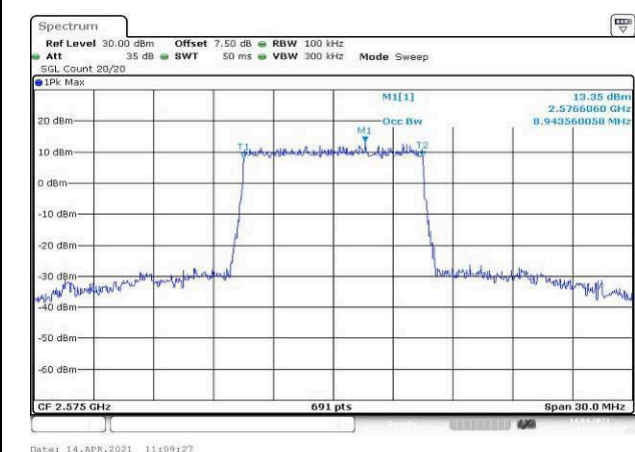
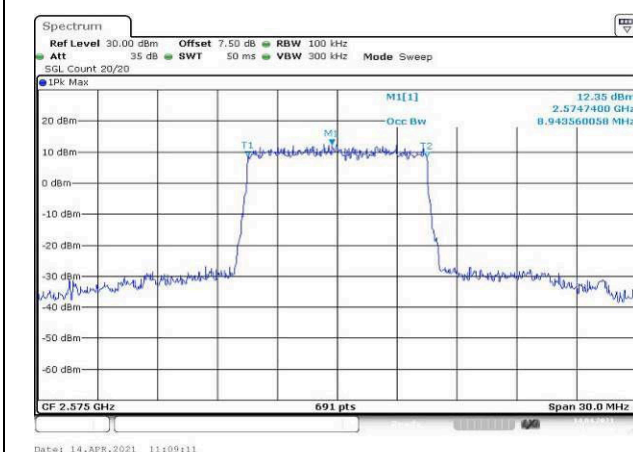
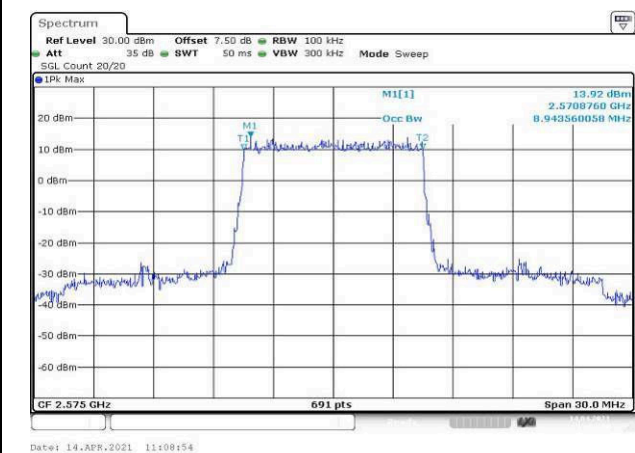
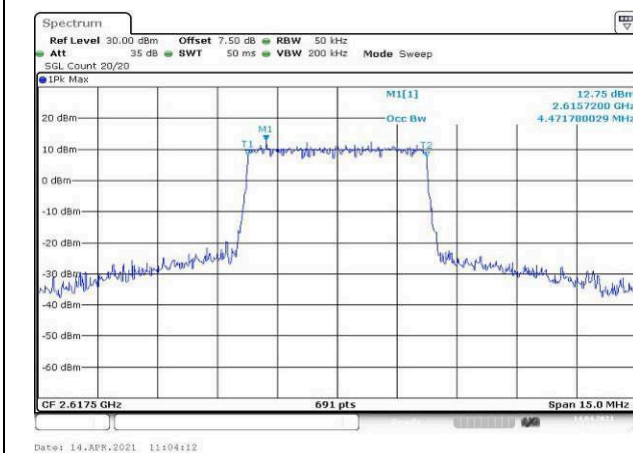
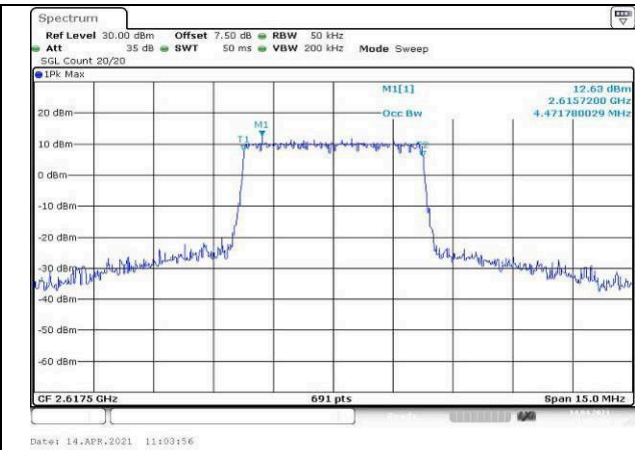
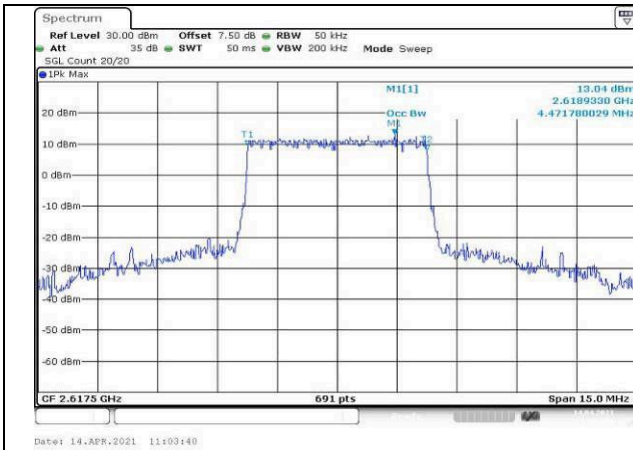
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2580	37850	20	1	0	24.13	
				1	49	23.85	
				1	99	23.79	
				50	0	23.26	
				50	24	22.93	
				50	50	22.85	
				100	0	23.03	
	2595	38000		1	0	24.04	
				1	49	23.93	
				1	99	23.68	
				50	0	23.04	
				50	24	22.76	
				50	50	22.89	
				100	0	22.93	
	2610	38150		1	0	23.95	
				1	49	23.81	
				1	99	23.96	
				50	0	22.95	
				50	24	22.83	
				50	50	22.93	
				100	0	22.84	
	16QAM	2580		37850	1	0	23.33
					1	49	23.04
					1	99	23.14
50					0	22.34	
50					24	21.88	
50					50	21.95	
100					0	22.13	
2595		38000		1	0	23.16	
				1	49	22.86	
				1	99	22.79	
				50	0	22.12	
				50	24	21.83	
				50	50	21.77	
				100	0	22.02	
2610		38150		1	0	22.69	
				1	49	22.26	
				1	99	22.33	
				50	0	22.01	
				50	24	21.95	
				50	50	22.12	
				100	0	21.85	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2580	37850	20	1	0	22.06
				1	49	22.13
				1	99	22.06
				50	0	22.17
				50	24	22.09
				50	50	22.06
	2595	38000		100	0	22.13
				1	0	22.09
				1	49	22.02
				1	99	21.88
				50	0	21.96
				50	24	21.88
	2610	38150		50	50	22.02
				100	0	22.02
				1	0	22.00
				1	49	22.00
				1	99	21.90
				50	0	21.78
				50	24	21.89
				50	50	21.93
				100	0	21.93

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	4.450	Fig.2	4.472	Fig.3
	2595	38000		25	0	4.450	Fig.4	4.450	Fig.5	4.450	Fig.6
	2617.5	38225		25	0	4.472	Fig.7	4.472	Fig.8	4.472	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	8.900	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	13.350	Fig.21
	2595	38000		75	0	13.415	Fig.22	13.415	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	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2595	38000		100	0	17.800	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





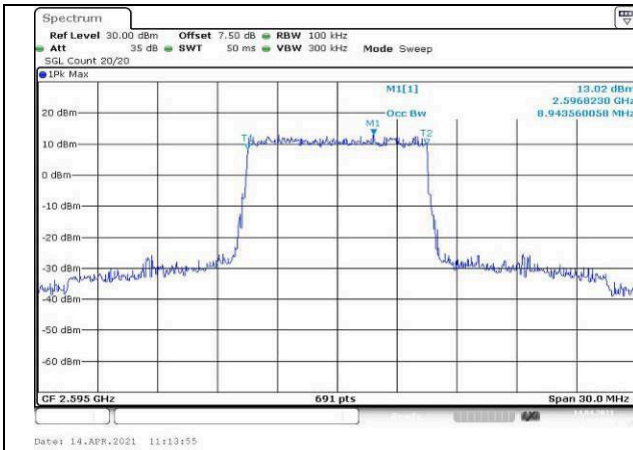


Fig.13

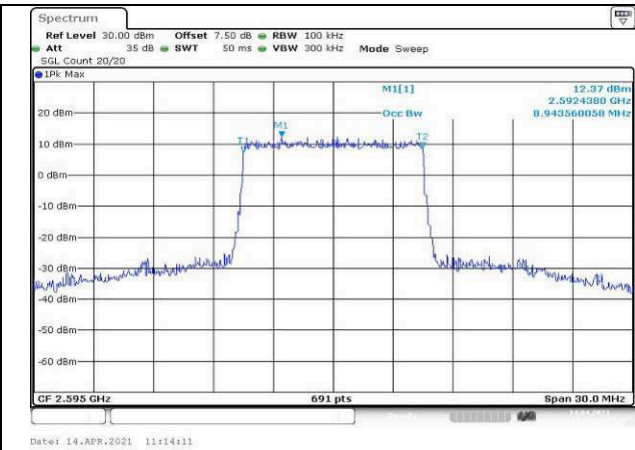


Fig.14

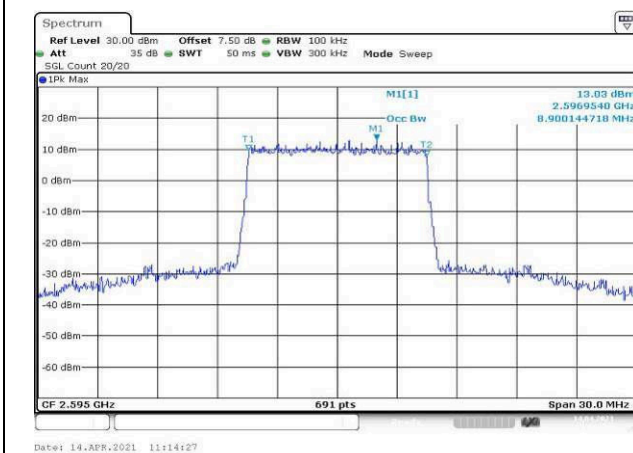


Fig.15

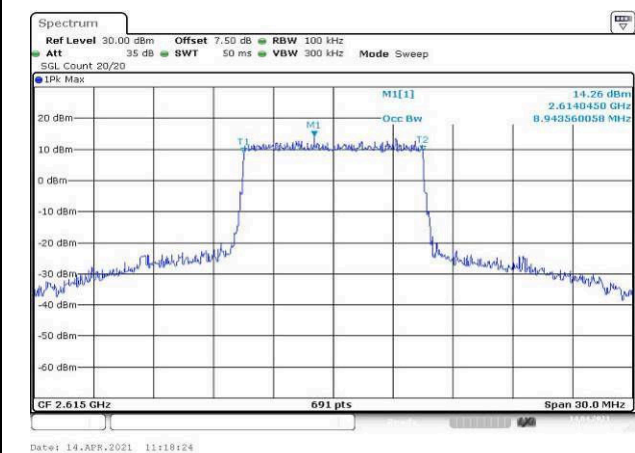


Fig.16

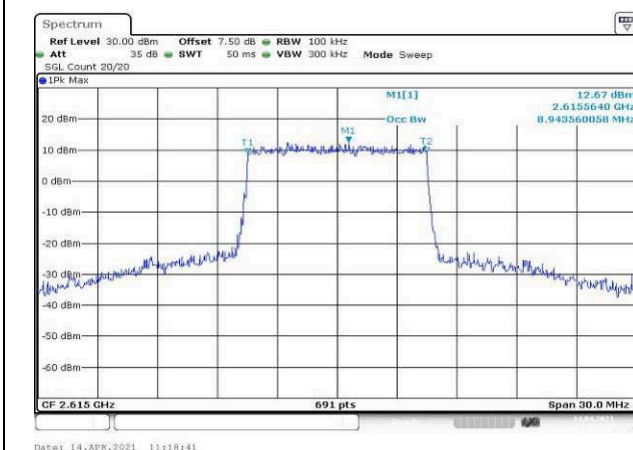


Fig.17

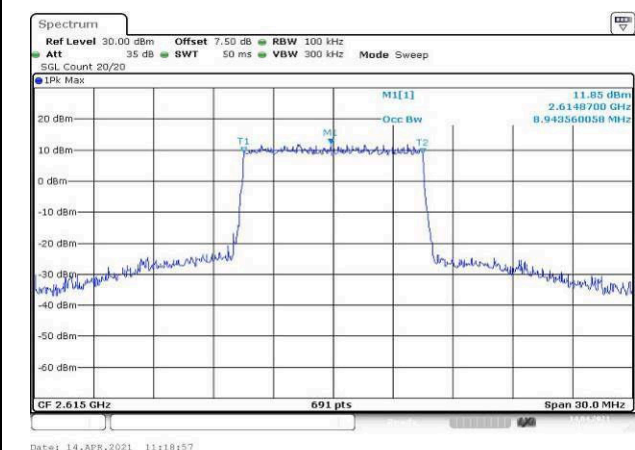
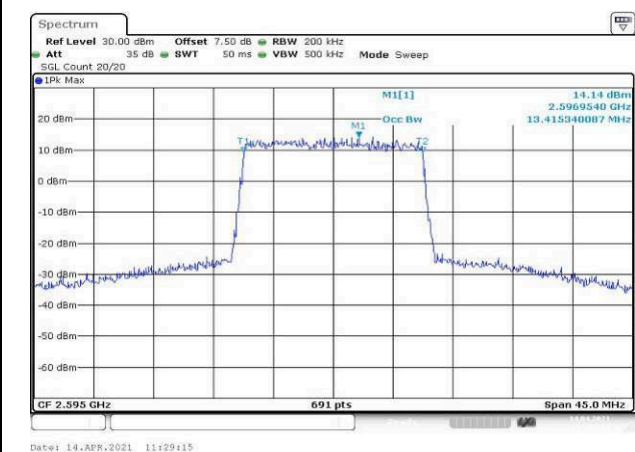
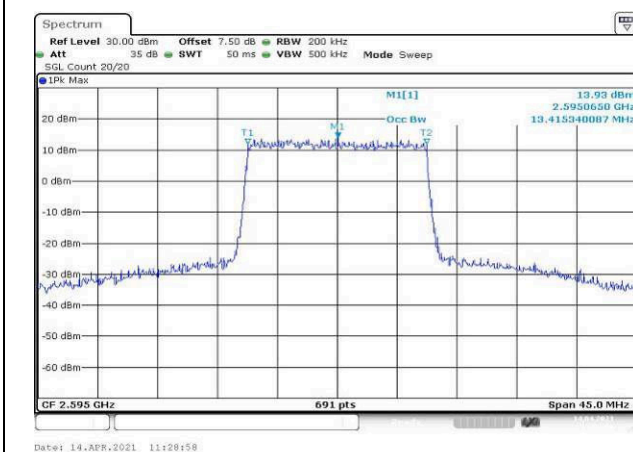
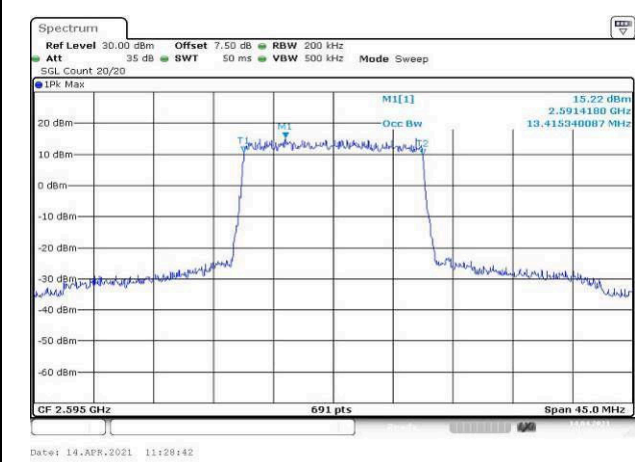
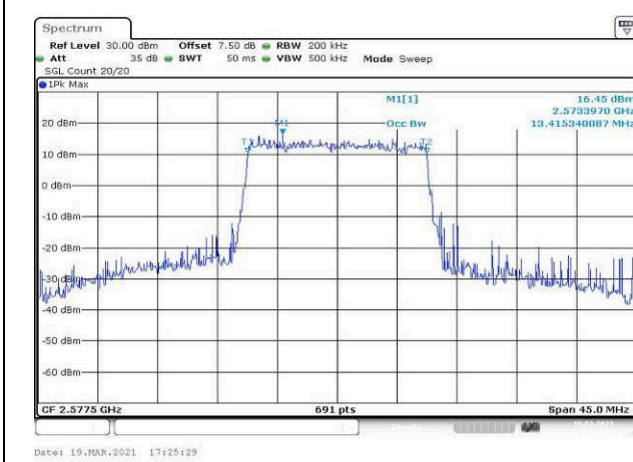
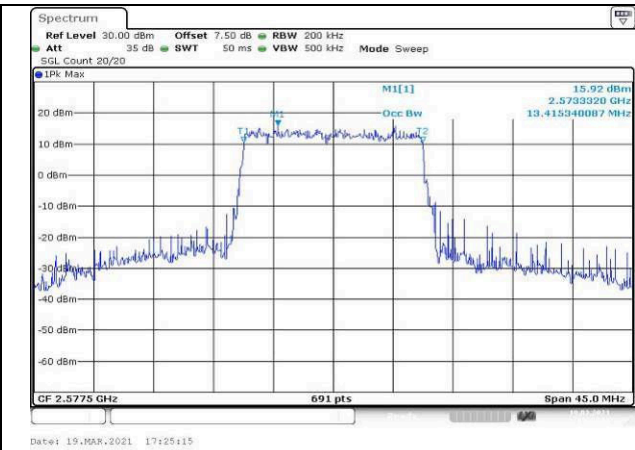
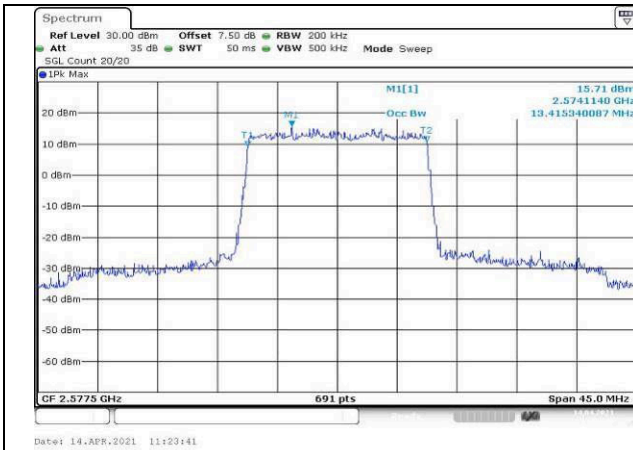
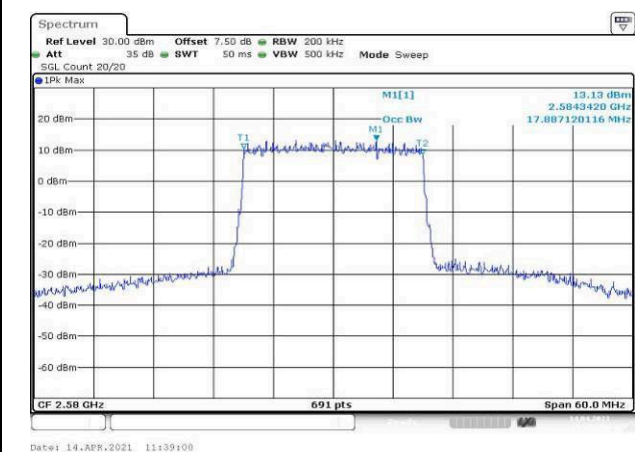
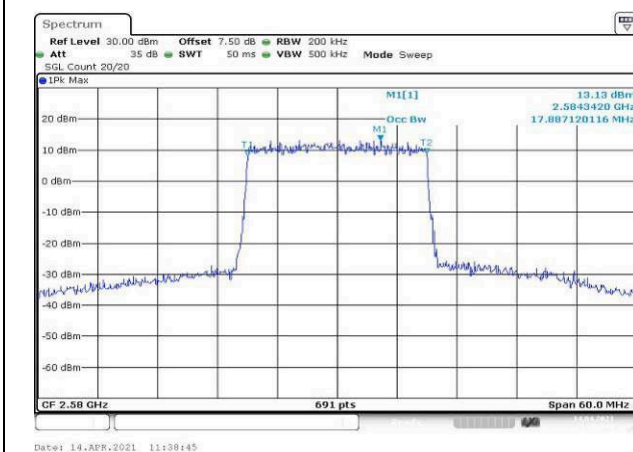
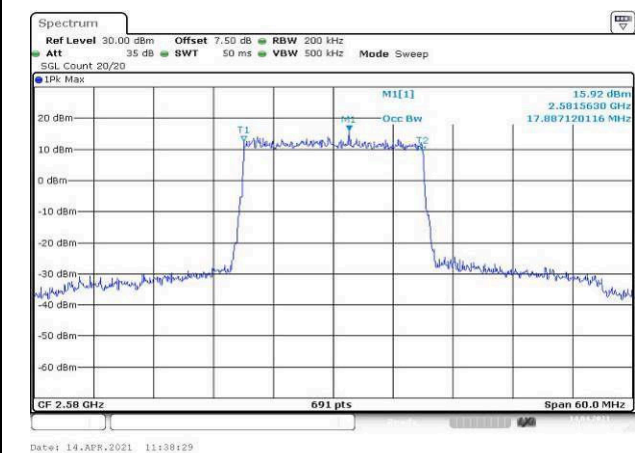
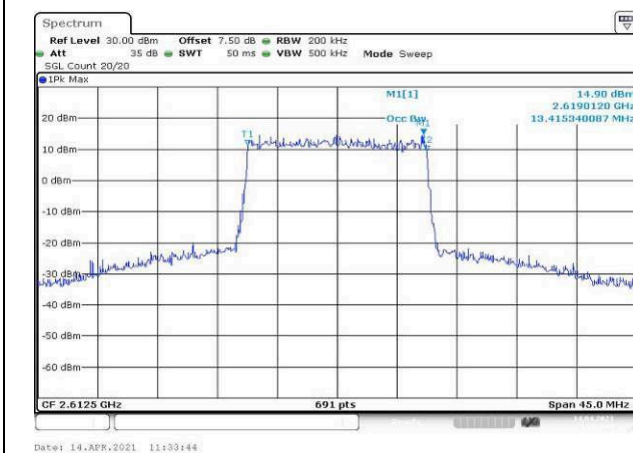
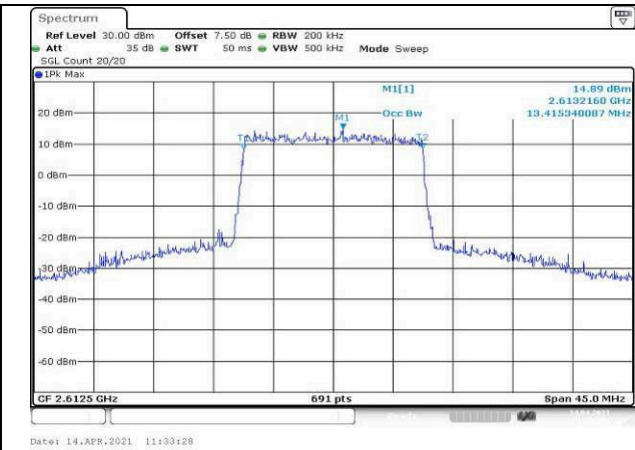
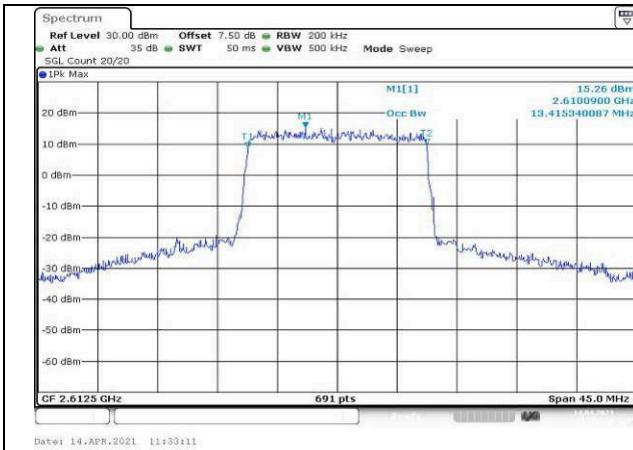
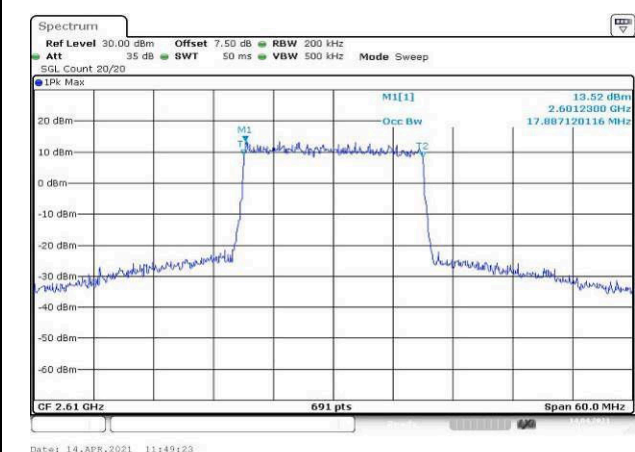
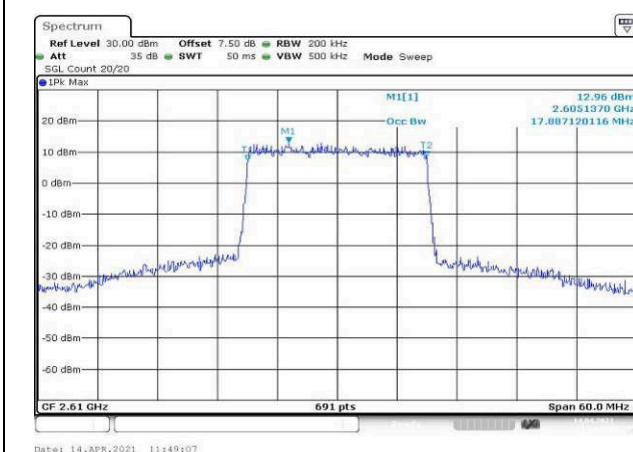
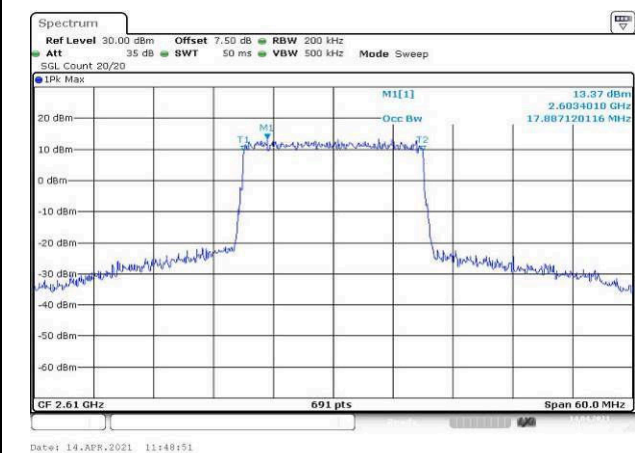
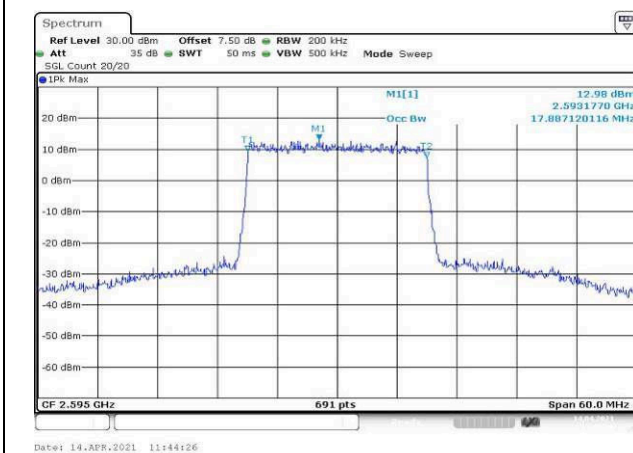
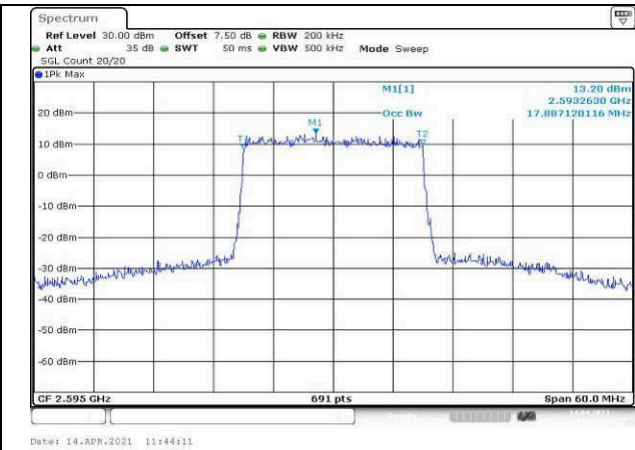
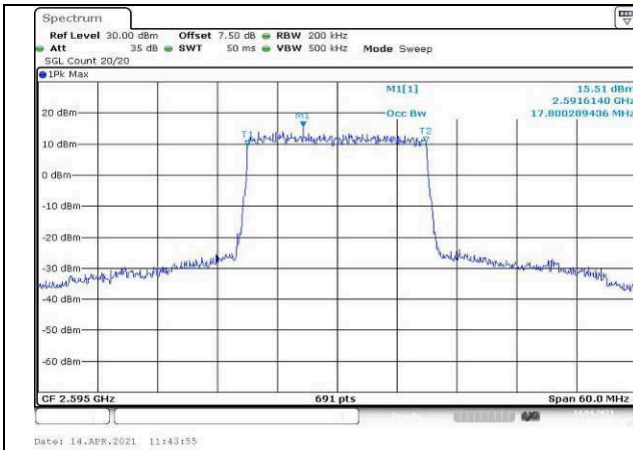


Fig.18







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	4.754	Fig.1	4.819	Fig.2	4.841	Fig.3
	2595	38000		25	0	4.776	Fig.4	4.819	Fig.5	4.797	Fig.6
	2617.5	38225		25	0	4.841	Fig.7	4.841	Fig.8	4.732	Fig.9
	2575	37800	10	50	0	9.508	Fig.10	9.812	Fig.11	9.725	Fig.12
	2595	38000		50	0	9.638	Fig.13	9.551	Fig.14	9.508	Fig.15
	2615	38200		50	0	9.551	Fig.16	9.595	Fig.17	9.551	Fig.18
	2577.5	37825	15	75	0	14.262	Fig.19	14.457	Fig.20	14.522	Fig.21
	2595	38000		75	0	14.262	Fig.22	14.457	Fig.23	14.392	Fig.24
	2612.5	38175		75	0	14.327	Fig.25	14.197	Fig.26	14.262	Fig.27
	2580	37850	20	100	0	19.016	Fig.28	19.016	Fig.29	19.103	Fig.30
	2595	38000		100	0	18.755	Fig.31	18.929	Fig.32	18.929	Fig.33
	2610	38150		100	0	19.103	Fig.34	19.016	Fig.35	19.016	Fig.36

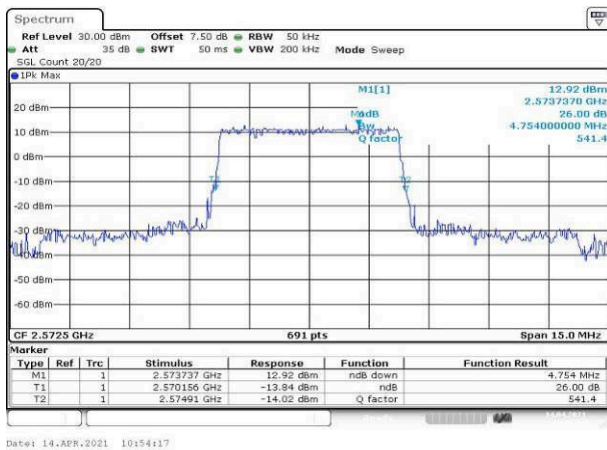


Fig.1

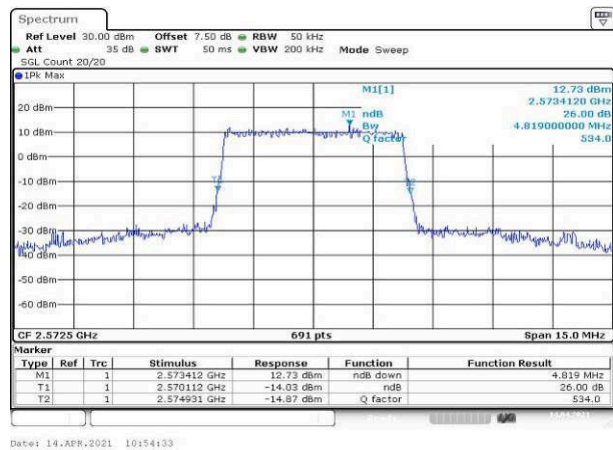


Fig.2

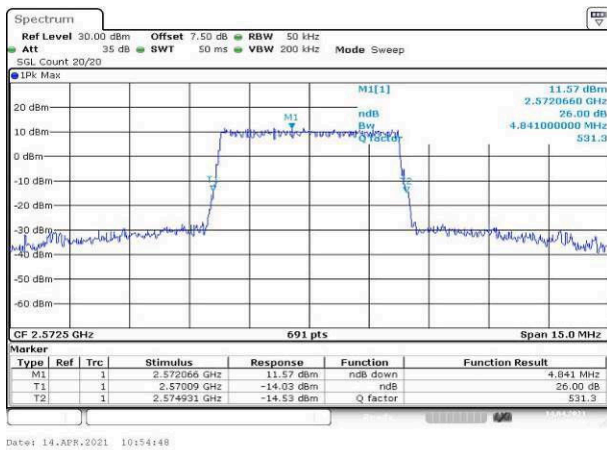


Fig.3

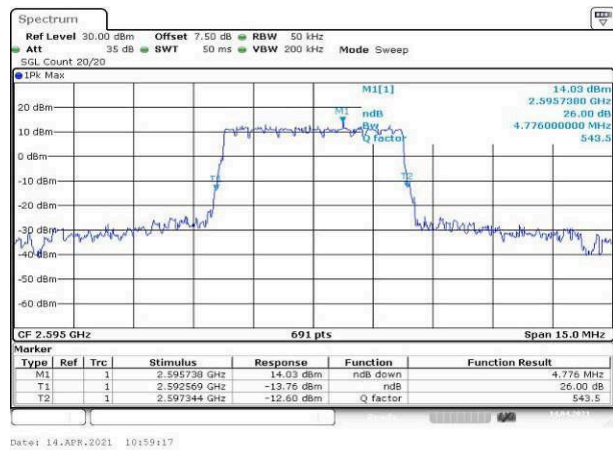


Fig.4

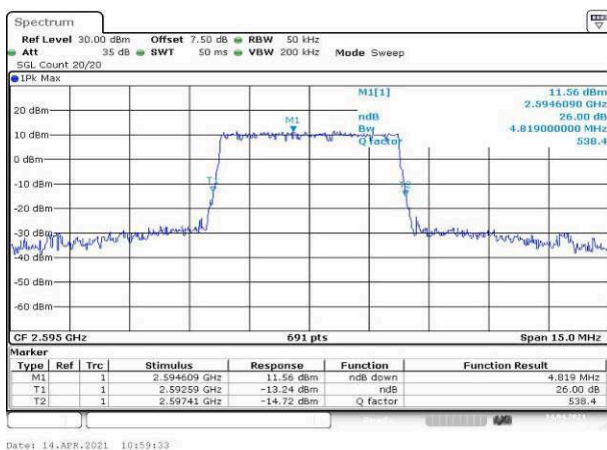


Fig.5

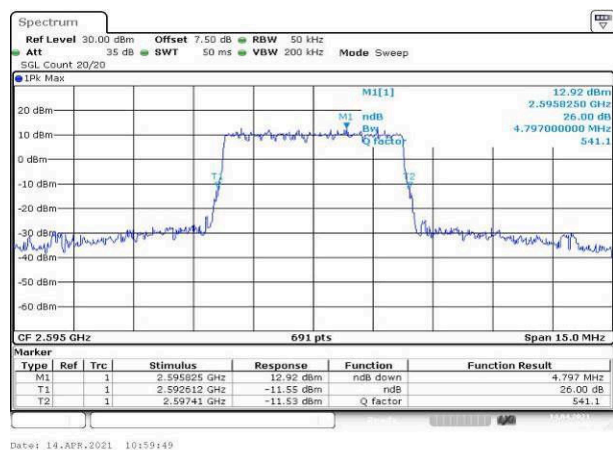
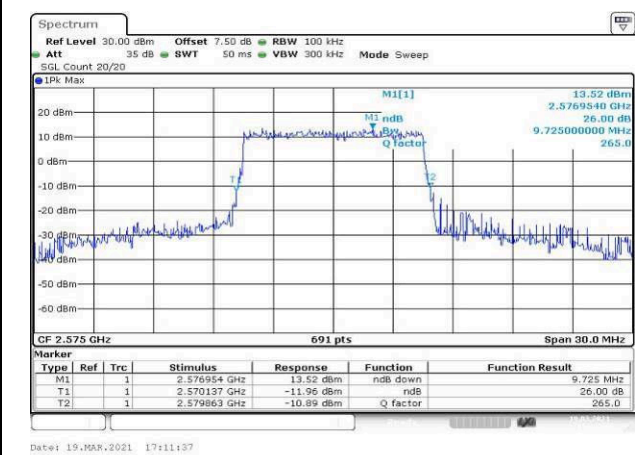
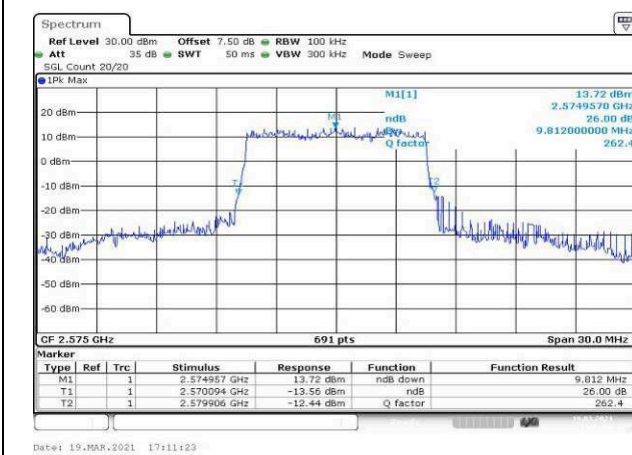
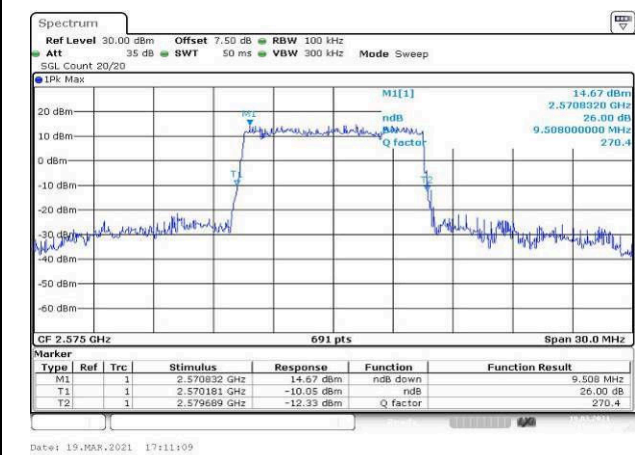
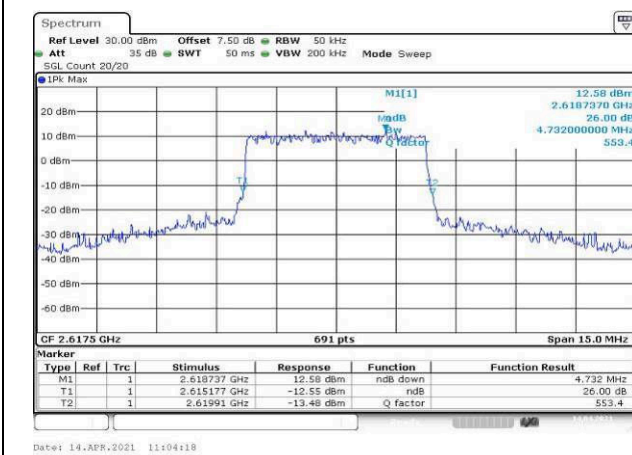
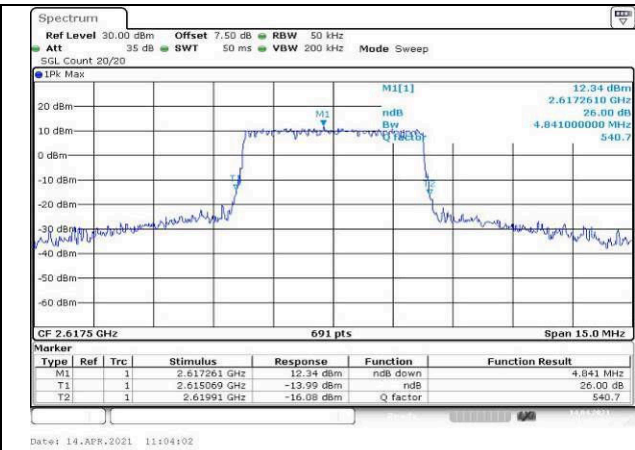
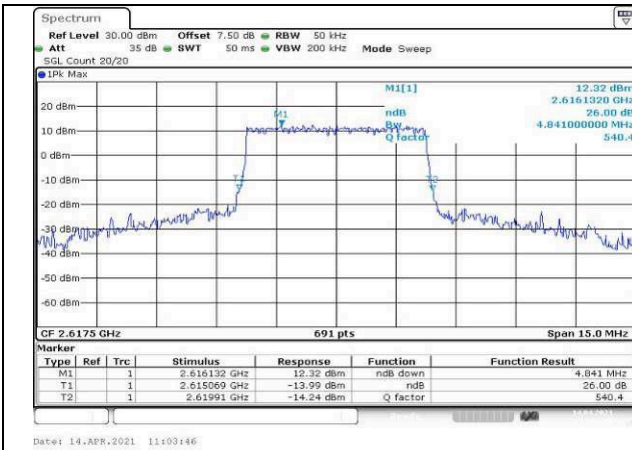


Fig.6



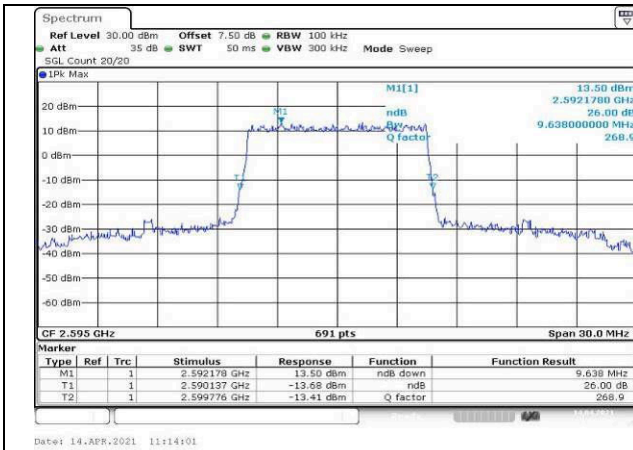


Fig.13

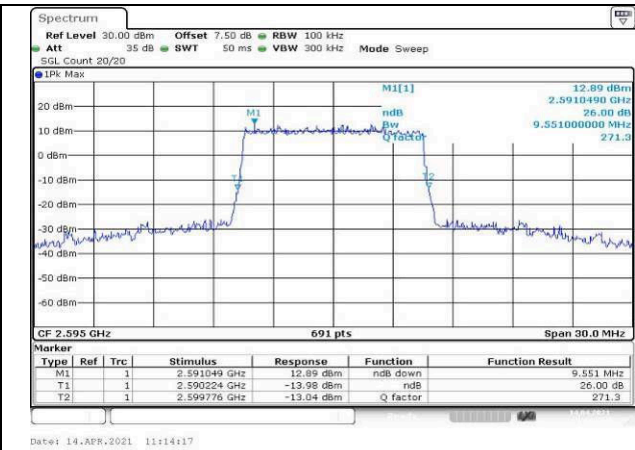


Fig.14

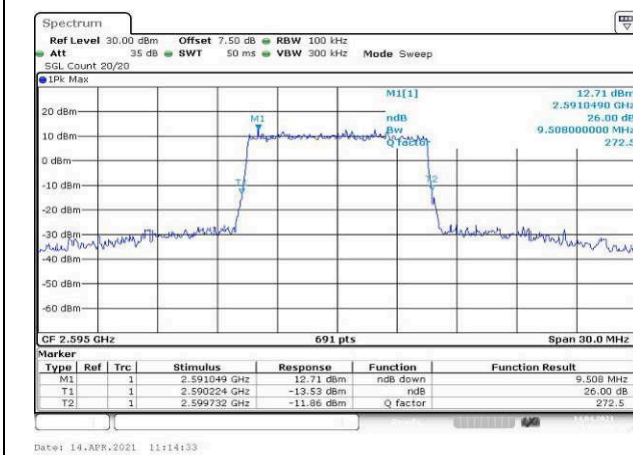


Fig.15

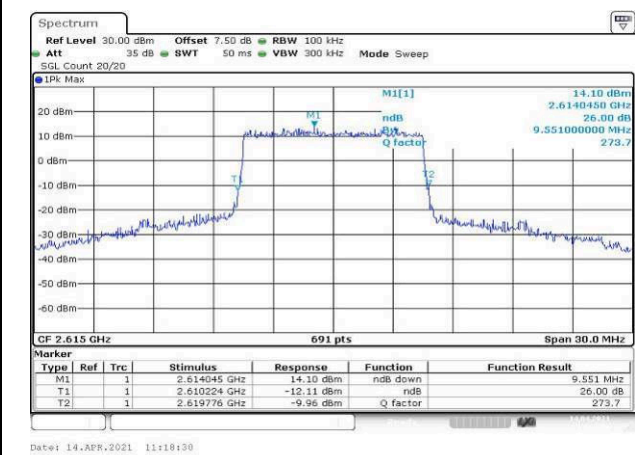


Fig.16

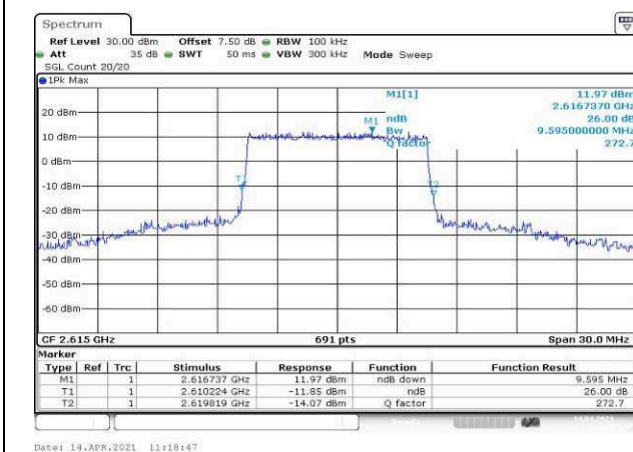


Fig.17

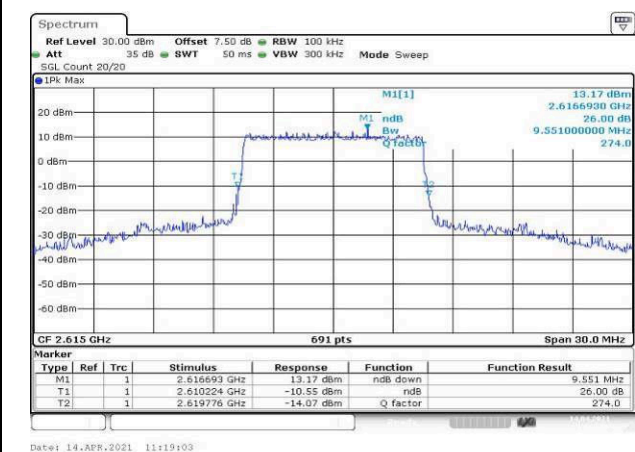
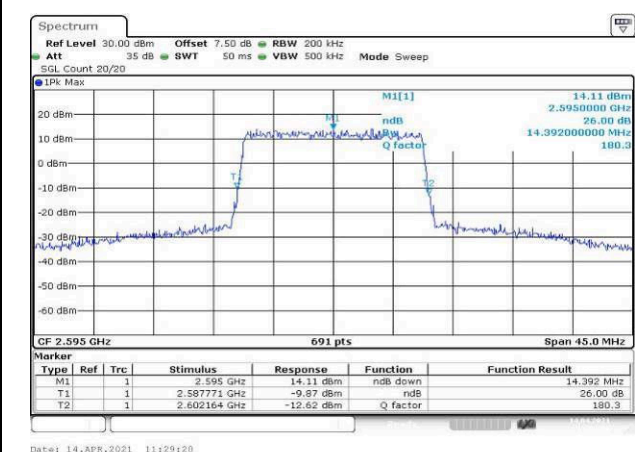
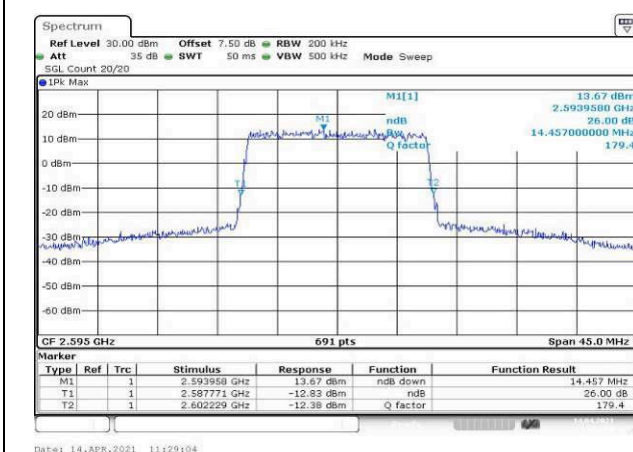
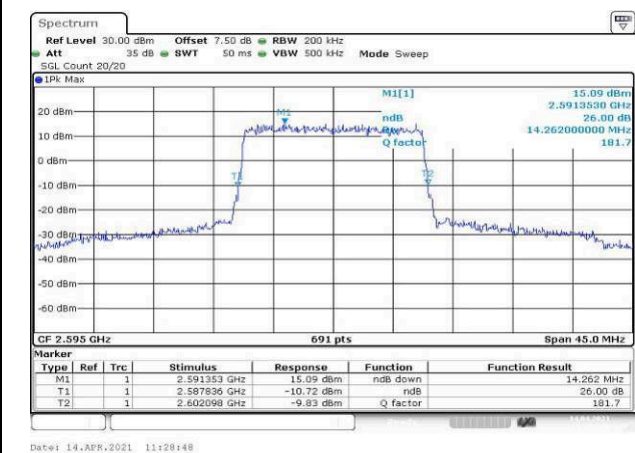
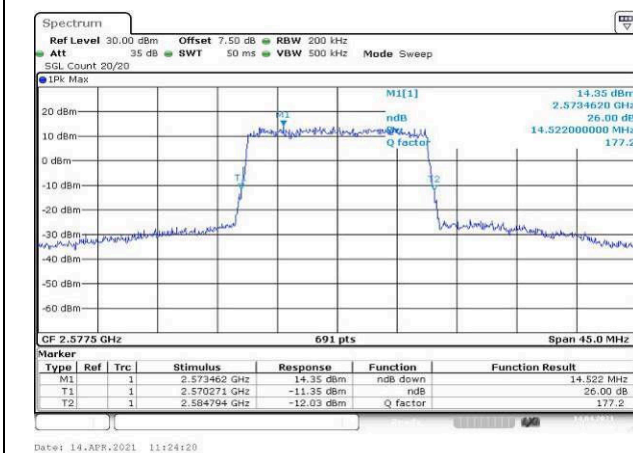
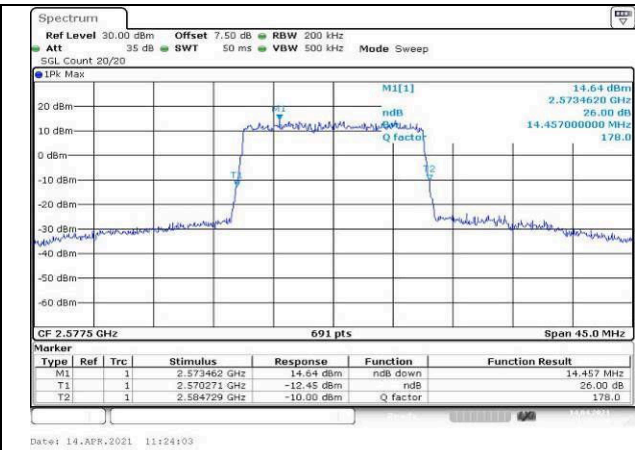
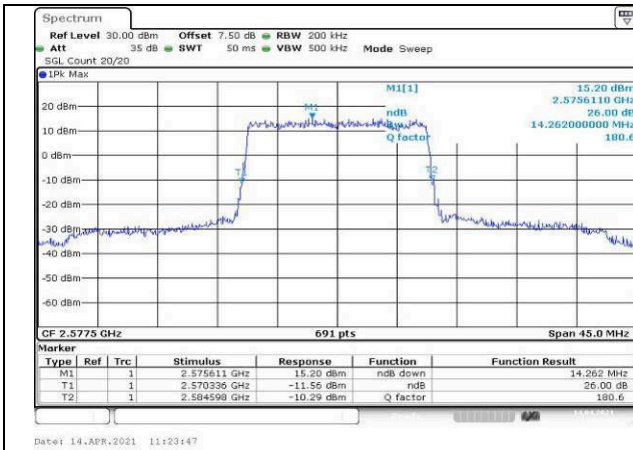


Fig.18



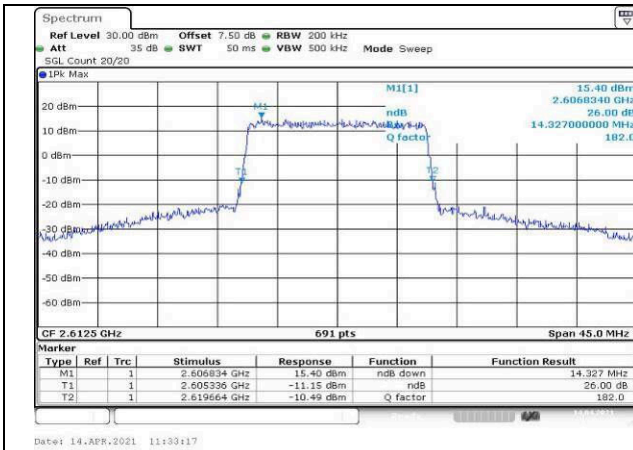


Fig.25

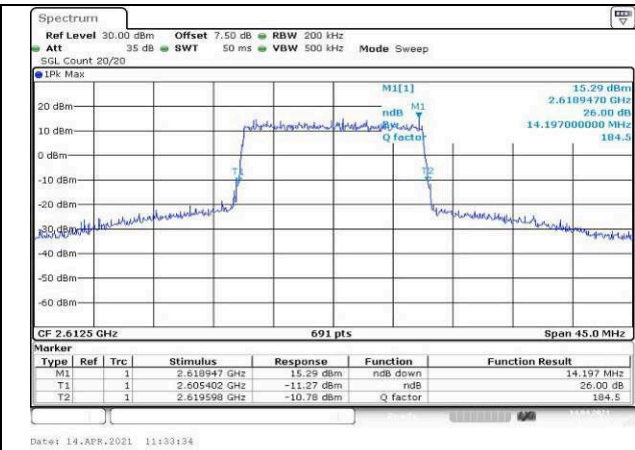


Fig.26

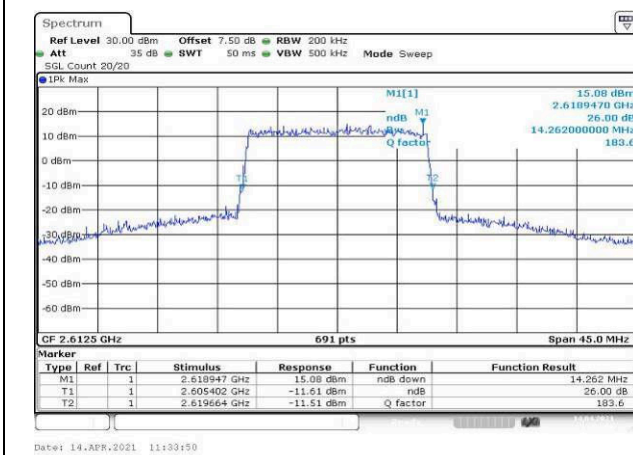


Fig.27

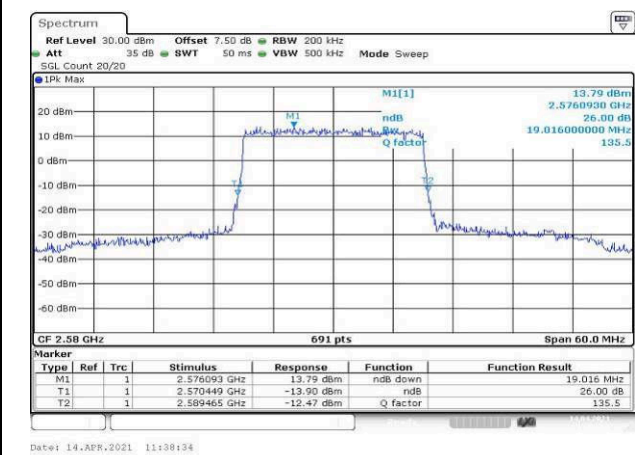


Fig.28

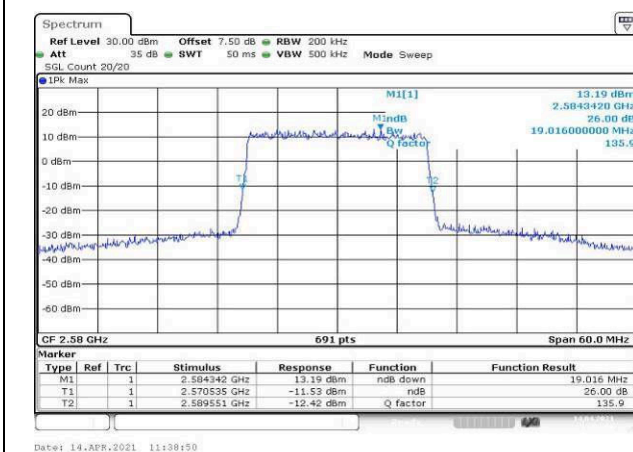


Fig.29

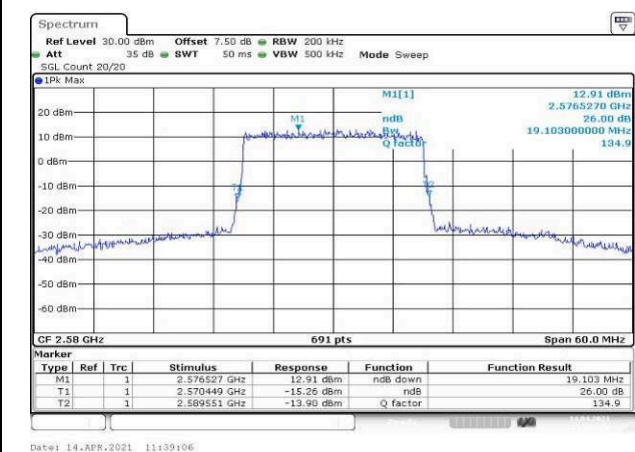


Fig.30

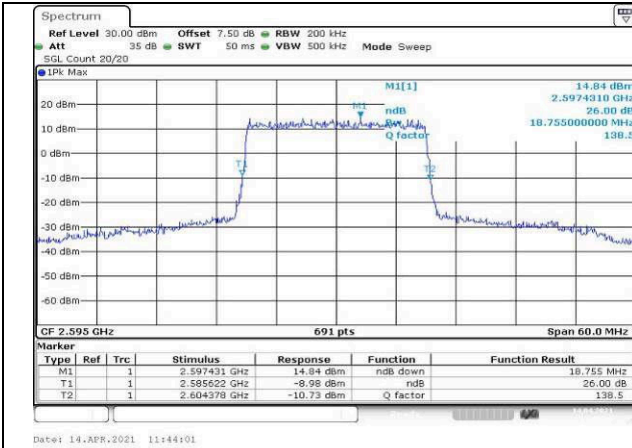


Fig.31

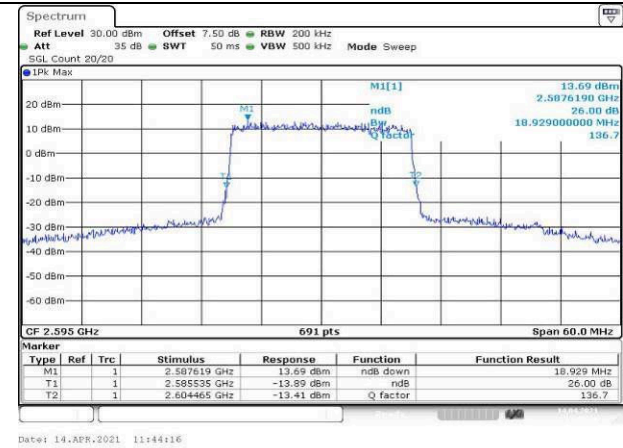


Fig.32

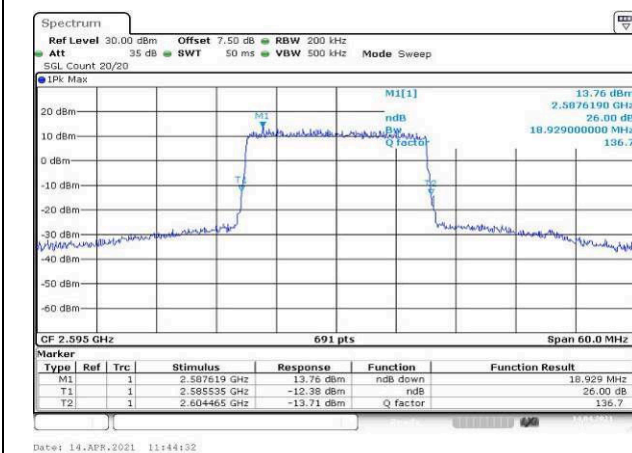


Fig.33

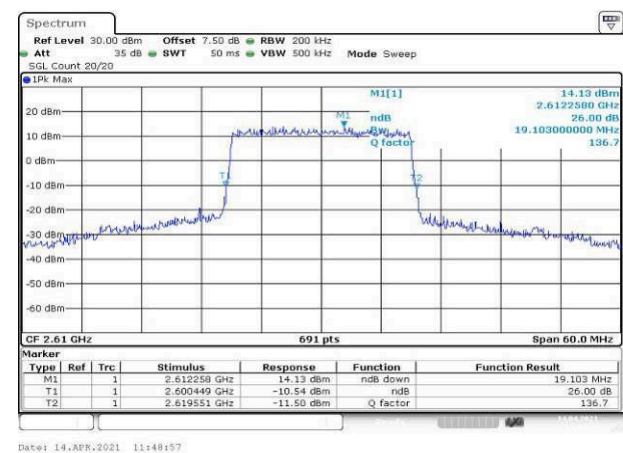


Fig.34

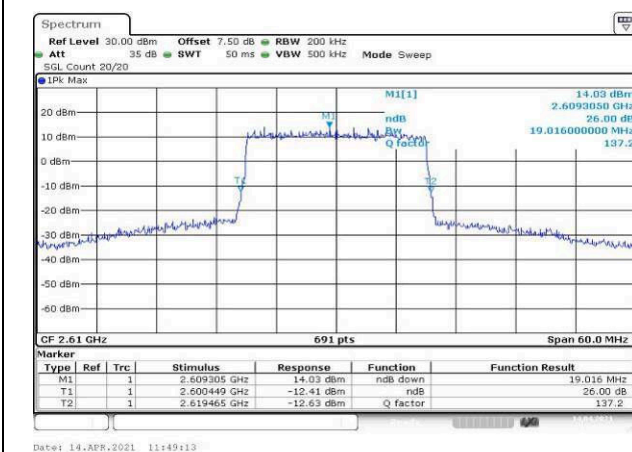


Fig.35

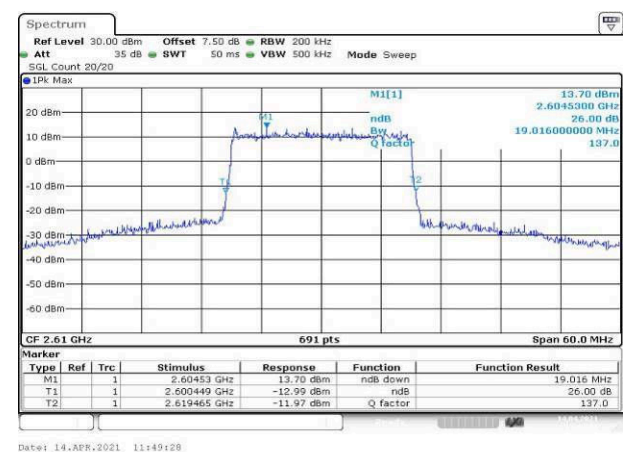


Fig.36

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

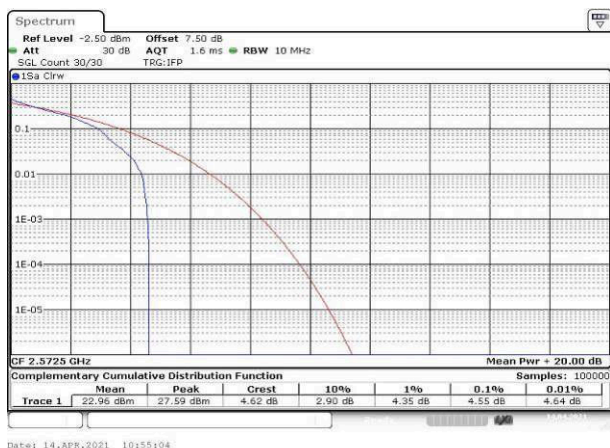


Fig.1

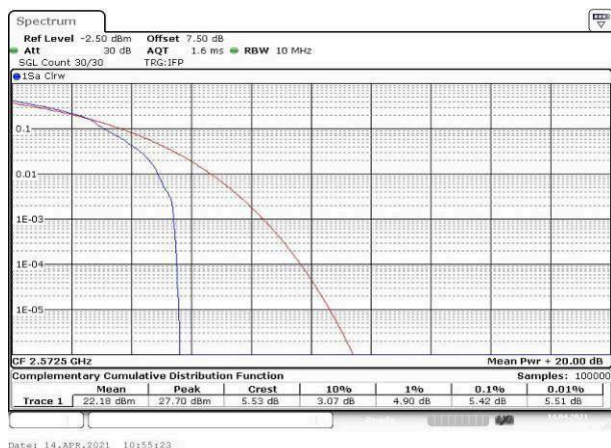


Fig.2

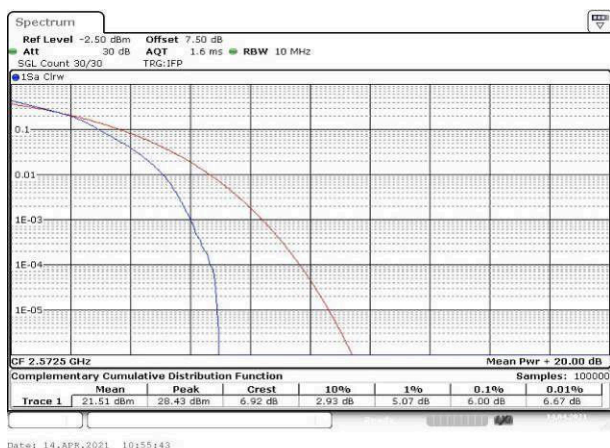


Fig.3

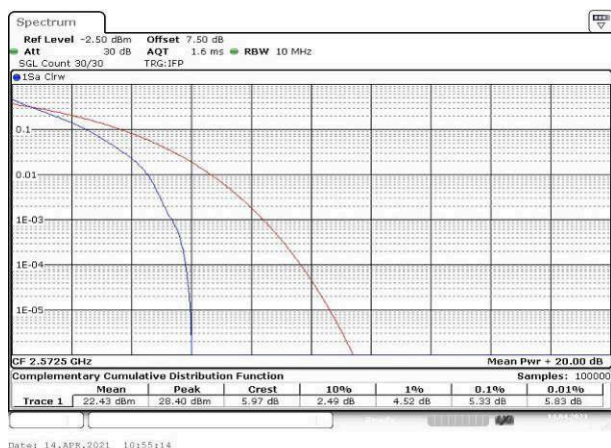


Fig.4

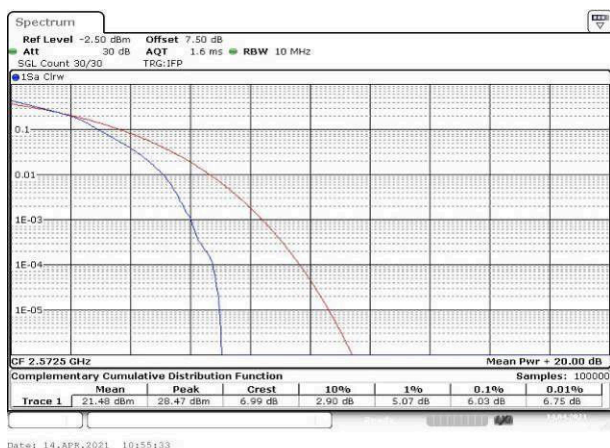


Fig.5

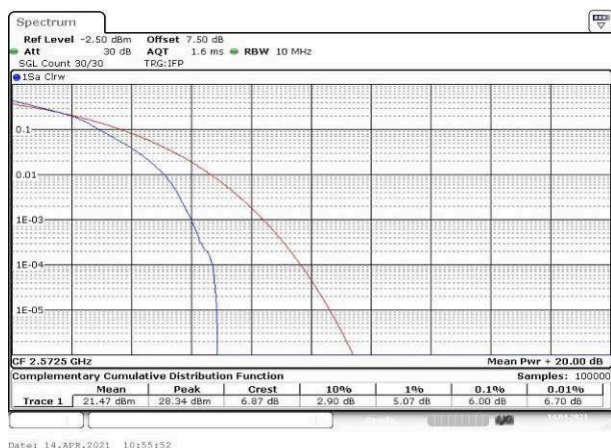


Fig.6