

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF Power Output

Rx Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2502.5	20775	5	1	0	23.89	
				1	12	23.91	
				1	24	23.93	
				12	0	22.95	
				12	7	22.94	
				12	13	22.96	
				25	0	22.99	
	2535	21100		1	0	24.16	
				1	12	24.07	
				1	24	24.06	
				12	0	23.18	
				12	7	23.17	
				12	13	23.20	
				25	0	23.18	
	2567.5	21425		1	0	23.82	
				1	12	23.64	
				1	24	23.70	
				12	0	22.71	
				12	7	22.75	
				12	13	22.75	
				25	0	22.73	
	16QAM	2502.5		20775	1	0	23.11
					1	12	23.06
					1	24	23.12
12					0	22.04	
12					7	22.02	
12					13	22.01	
25					0	22.06	
2535		21100		1	0	23.21	
				1	12	23.11	
				1	24	23.10	
				12	0	22.15	
				12	7	22.18	
				12	13	22.18	
				25	0	22.23	
2567.5		21425		1	0	23.06	
				1	12	22.98	
				1	24	22.99	
				12	0	21.85	
				12	7	21.79	
				12	13	21.80	
				25	0	21.74	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	22.11
				1	12	22.12
				1	24	22.10
				12	0	22.10
				12	7	22.09
				12	13	22.09
	25	0		22.14		
	2535	21100		1	0	22.23
				1	12	22.24
				1	24	22.23
				12	0	22.24
				12	7	22.24
				12	13	22.23
	25	0		22.23		
	2567.5	21425		1	0	21.73
				1	12	21.74
				1	24	21.74
				12	0	21.74
				12	7	21.74
				12	13	21.74
				25	0	21.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2505	20800	10	1	0	24.07	
				1	25	24.00	
				1	49	23.99	
				25	0	23.07	
				25	12	23.08	
				25	25	23.09	
				50	0	23.08	
	2535	21100		1	0	24.23	
				1	25	24.09	
				1	49	24.12	
				25	0	23.14	
				25	12	23.14	
				25	25	23.13	
				50	0	23.18	
	2565	21400		1	0	23.95	
				1	25	23.66	
				1	49	23.65	
				25	0	22.80	
				25	12	22.71	
				25	25	22.74	
				50	0	22.77	
	16QAM	2505		20800	1	0	23.61
					1	25	23.60
					1	49	23.53
25					0	22.17	
25					12	22.10	
25					25	22.10	
50					0	22.12	
2535		21100		1	0	23.42	
				1	25	23.24	
				1	49	23.25	
				25	0	22.27	
				25	12	22.15	
				25	25	22.15	
				50	0	22.22	
2565		21400		1	0	23.05	
				1	25	22.84	
				1	49	22.85	
				25	0	21.90	
				25	12	21.83	
				25	25	21.84	
				50	0	21.81	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	22.04
				1	25	22.11
				1	49	22.08
				25	0	22.04
				25	12	22.03
				25	25	22.10
				50	0	22.07
	2535	21100		1	0	22.21
				1	25	22.21
				1	49	22.22
				25	0	22.22
				25	12	22.21
				25	25	22.22
				50	0	22.21
	2565	21400		1	0	21.78
				1	25	21.79
				1	49	21.82
				25	0	21.79
				25	12	21.82
				25	25	21.80
				50	0	21.83

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2507.5	20825	15	1	0	24.12	
				1	37	24.02	
				1	74	24.01	
				36	0	23.12	
				36	29	23.05	
				36	30	23.05	
				75	0	23.08	
	2535	21100		1	0	24.34	
				1	37	24.01	
				1	74	24.03	
				36	0	23.20	
				36	29	23.19	
				36	30	23.18	
				75	0	23.20	
	2562.5	21375		1	0	24.02	
				1	37	23.69	
				1	74	23.68	
				36	0	22.94	
				36	29	22.74	
				36	30	22.74	
				75	0	22.73	
	16QAM	2507.5		20825	1	0	23.70
					1	37	23.59
					1	74	23.56
36					0	22.15	
36					29	22.04	
36					30	22.05	
75					0	22.07	
2535		21100		1	0	23.39	
				1	37	23.14	
				1	74	23.15	
				36	0	22.26	
				36	29	22.19	
				36	30	22.20	
				75	0	22.23	
2562.5		21375		1	0	23.51	
				1	37	23.18	
				1	74	23.20	
				36	0	21.94	
				36	29	21.73	
				36	30	21.73	
				75	0	21.73	

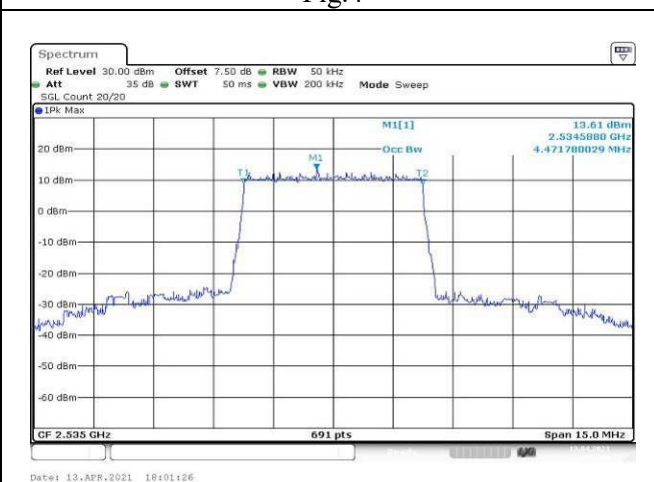
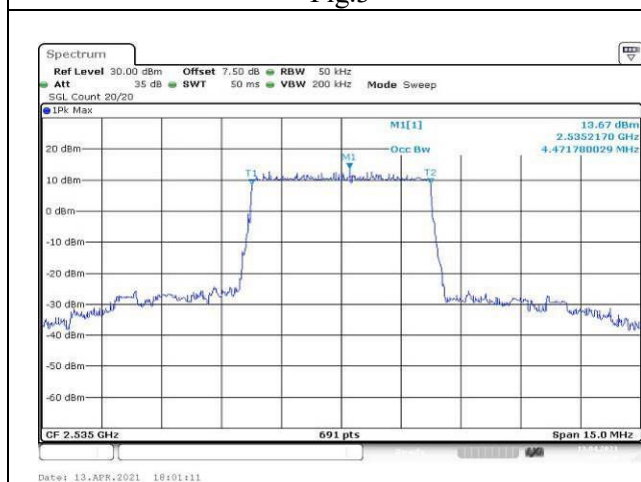
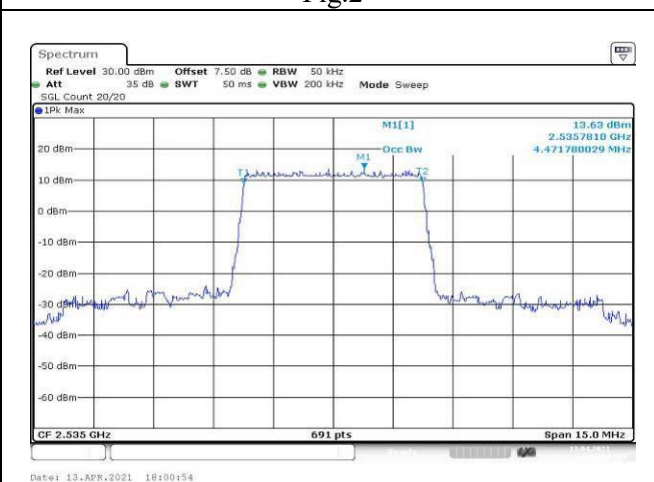
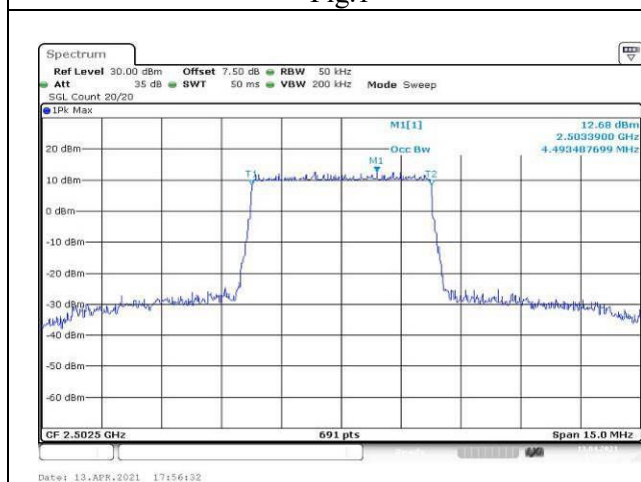
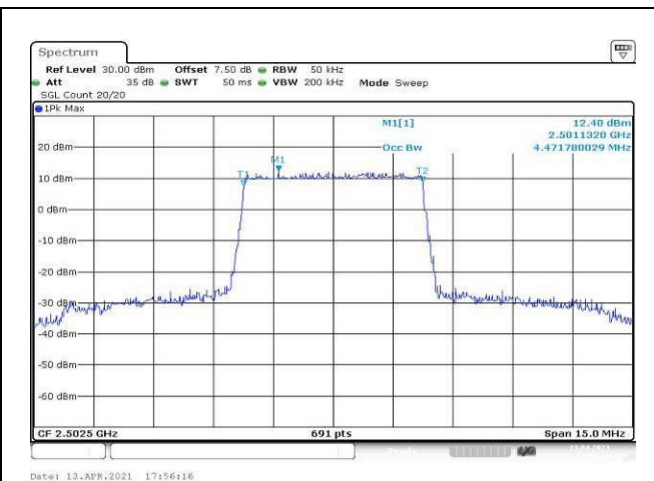
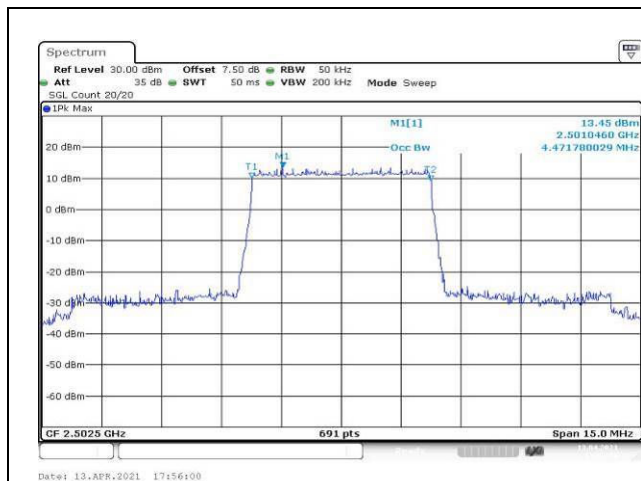
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	22.13
				1	37	22.07
				1	74	22.13
				36	0	22.06
				36	29	22.07
				36	30	22.07
				75	0	22.06
	2535	21100		1	0	22.23
				1	37	22.23
				1	74	22.23
				36	0	22.23
				36	29	22.23
				36	30	22.23
				75	0	22.23
	2562.5	21375		1	0	21.74
				1	37	21.74
				1	74	21.74
				36	0	21.74
				36	29	21.75
				36	30	21.75
				75	0	21.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2510	20850	20	1	0	24.16	
				1	49	24.03	
				1	99	24.02	
				50	0	23.20	
				50	24	23.02	
				50	50	23.03	
				100	0	23.11	
	2535	21100		1	0	24.34	
				1	49	24.06	
				1	99	24.05	
				50	0	23.23	
				50	24	23.14	
				50	50	23.14	
				100	0	23.21	
	2560	21350		1	0	24.11	
				1	49	23.70	
				1	99	23.69	
				50	0	23.08	
				50	24	22.76	
				50	50	22.76	
				100	0	22.98	
	16QAM	2510		20850	1	0	23.45
					1	49	23.29
					1	99	23.26
50					0	22.16	
50					24	22.08	
50					50	22.08	
100					0	22.07	
2535		21100		1	0	23.55	
				1	49	23.25	
				1	99	23.32	
				50	0	22.23	
				50	24	22.12	
				50	50	22.13	
				100	0	22.25	
2560		21350		1	0	23.67	
				1	49	23.29	
				1	99	23.29	
				50	0	22.02	
				50	24	21.78	
				50	50	21.78	
				100	0	22.01	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	22.10
				1	49	22.16
				1	99	22.06
				50	0	22.10
				50	24	22.06
				50	50	22.07
				100	0	22.06
	2535	21100		1	0	22.25
				1	49	22.26
				1	99	22.26
				50	0	22.26
				50	24	22.26
				50	50	22.26
				100	0	22.26
	2560	21350		1	0	21.93
				1	49	21.91
				1	99	21.91
				50	0	21.98
				50	24	21.99
				50	50	21.96
				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	
7	2502.5	20775	5	25	0	4.472	Fig.1	4.472	Fig.2	4.493	Fig.3
	2535	21100		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	2567.5	21425		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	2505	20800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2535	21100		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2565	21400		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2507.5	20825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2535	21100		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2562.5	21375		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2510	20850	20	100	0	17.800	Fig.28	17.887	Fig.29	17.887	Fig.30
	2535	21100		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2560	21350		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36



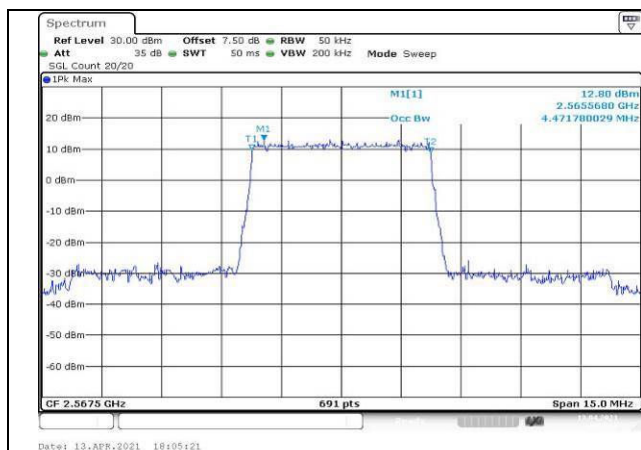


Fig.7

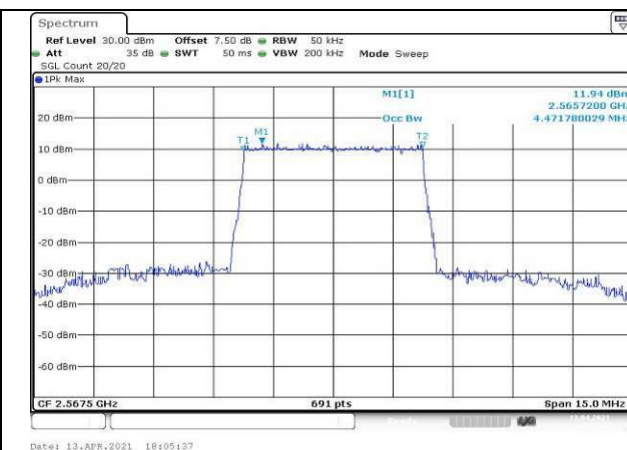


Fig.8

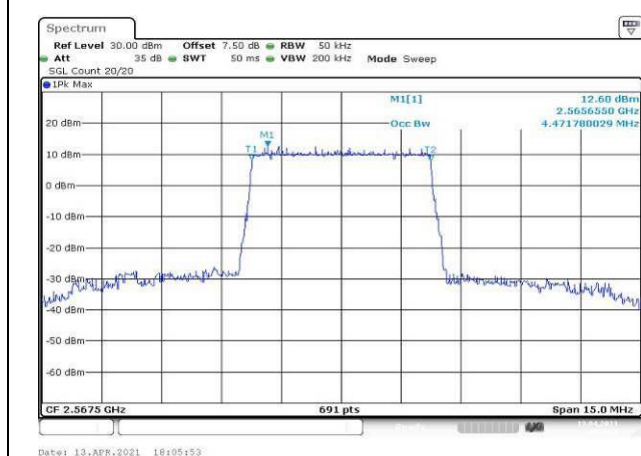


Fig.9

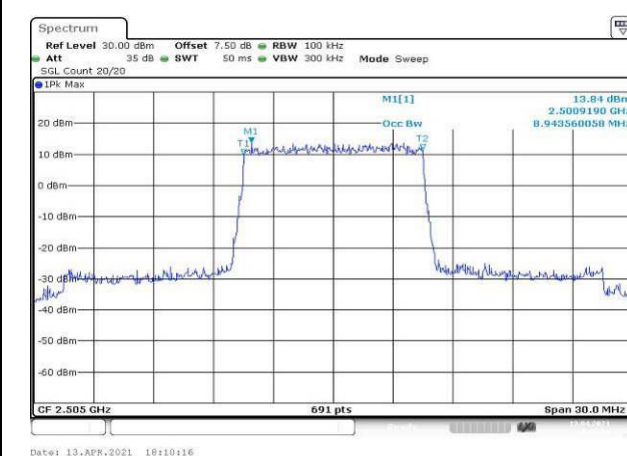


Fig.10

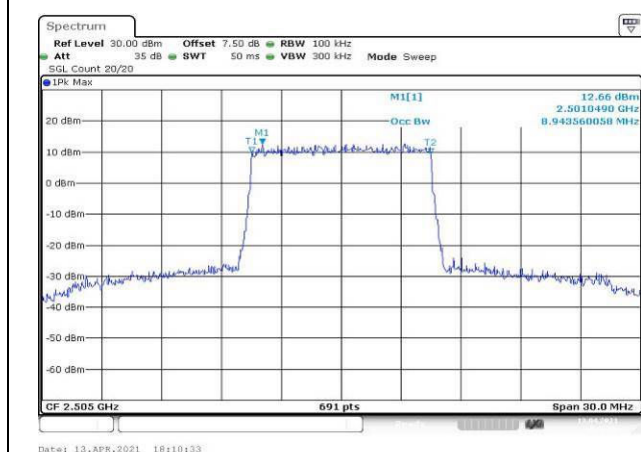


Fig.11

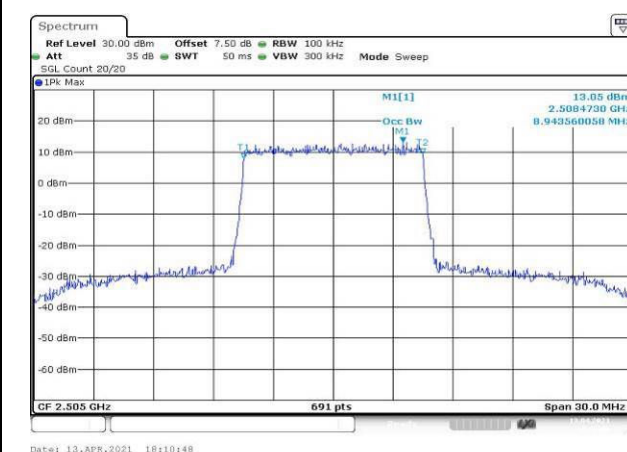


Fig.12

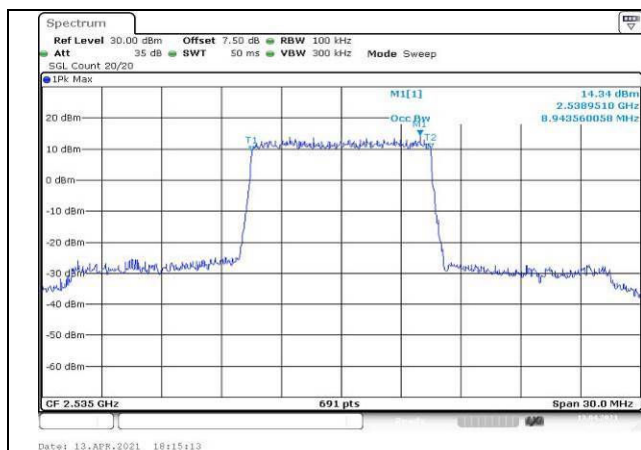


Fig.13

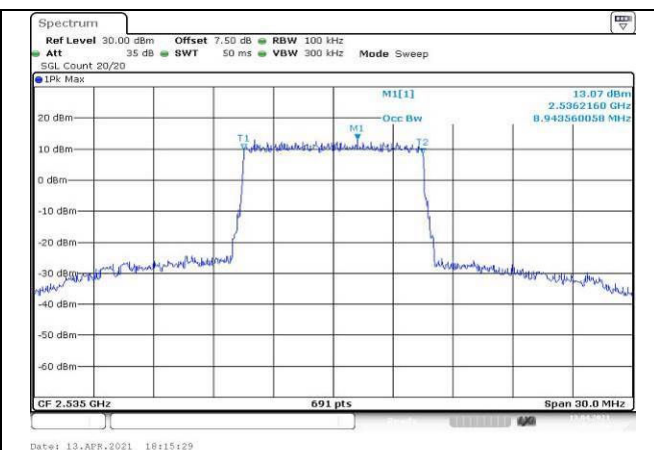


Fig.14

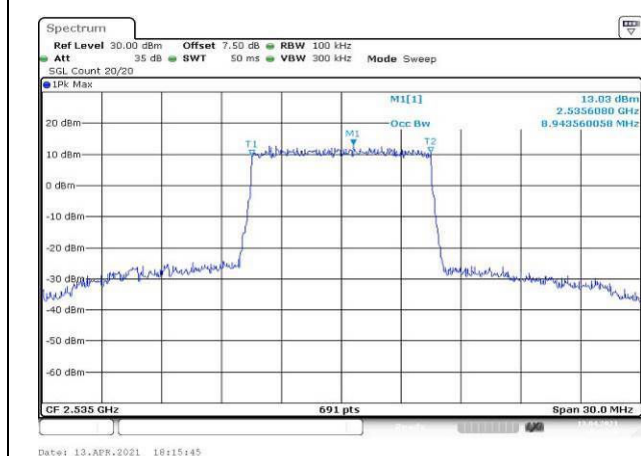


Fig.15

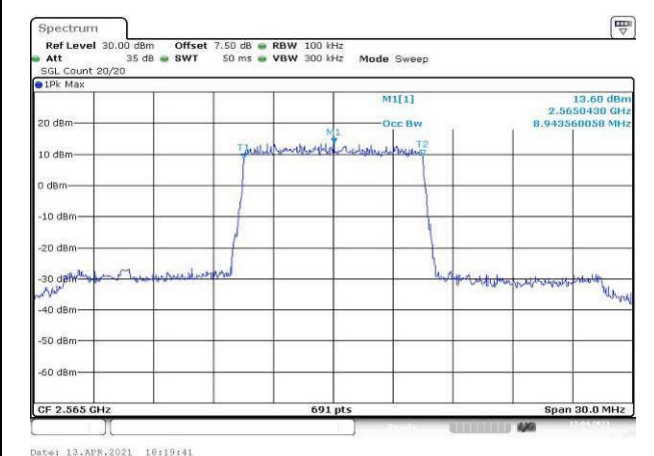


Fig.16

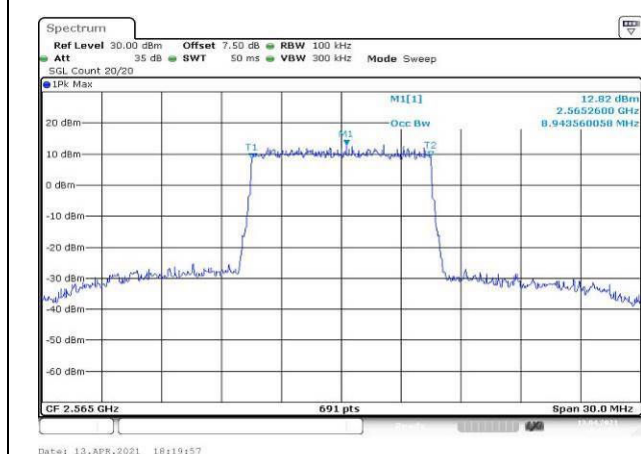


Fig.17

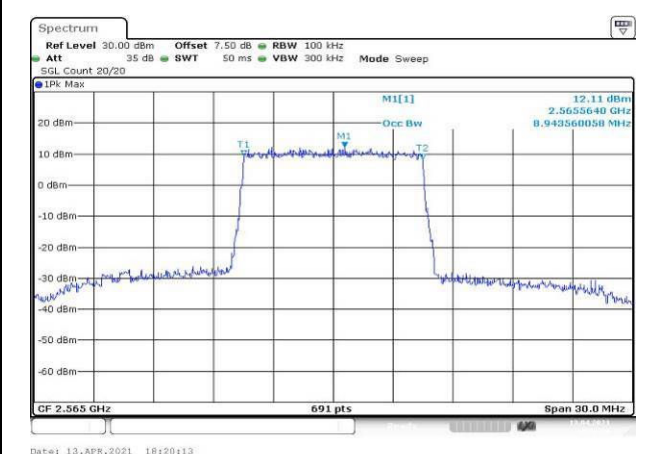
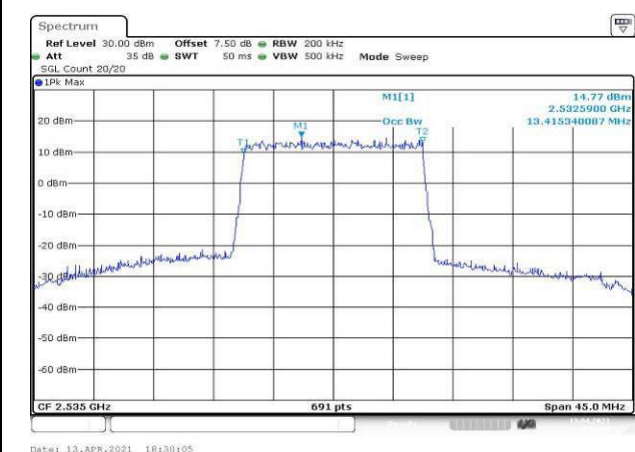
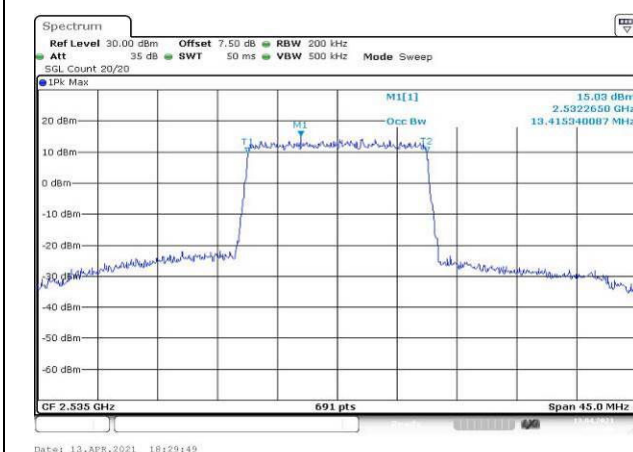
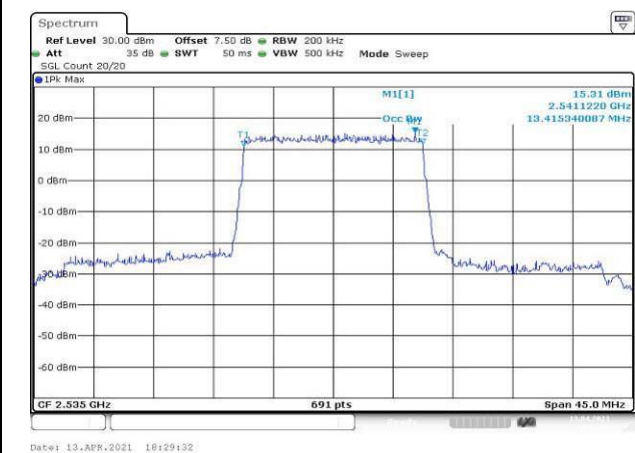
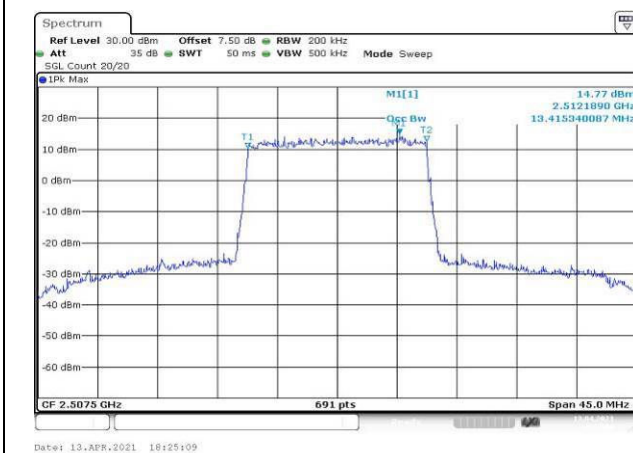
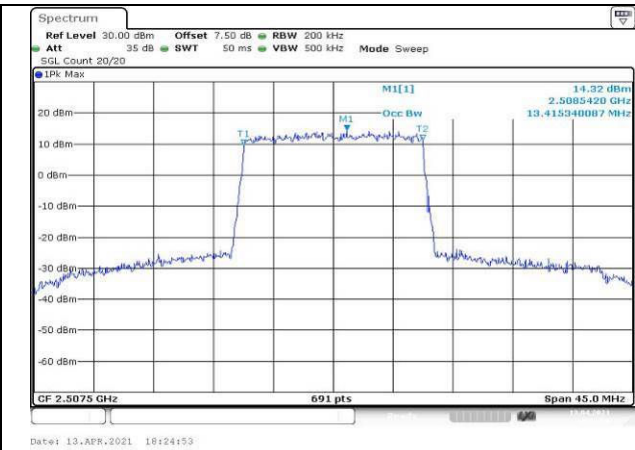
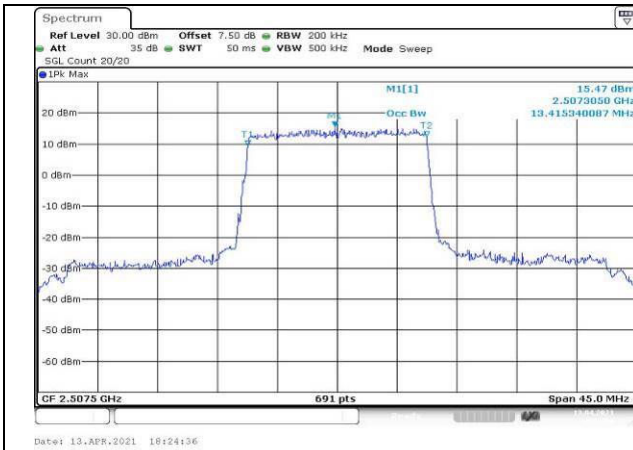
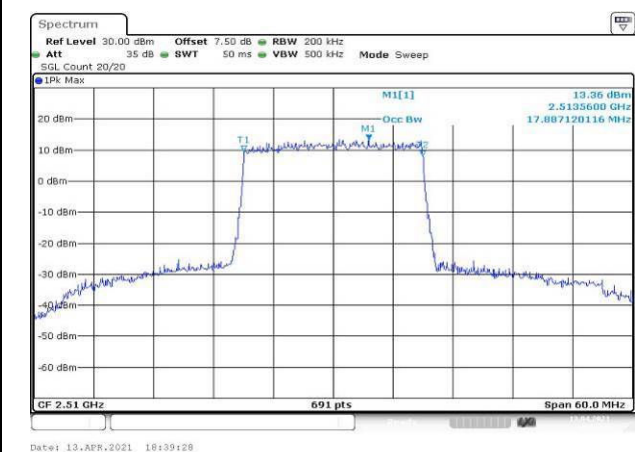
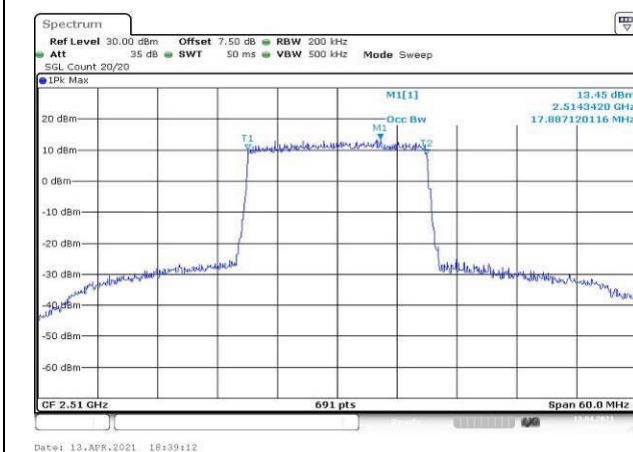
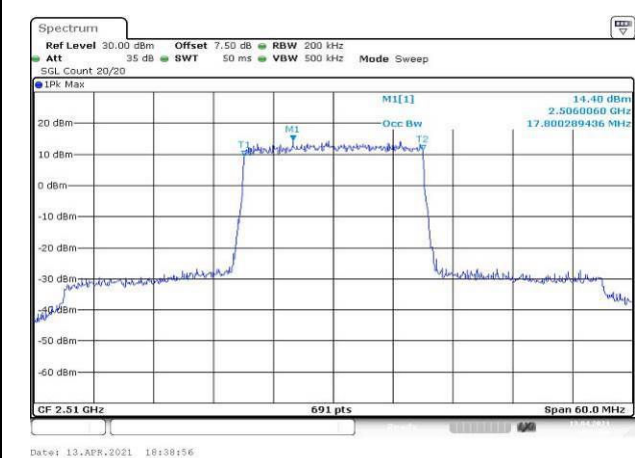
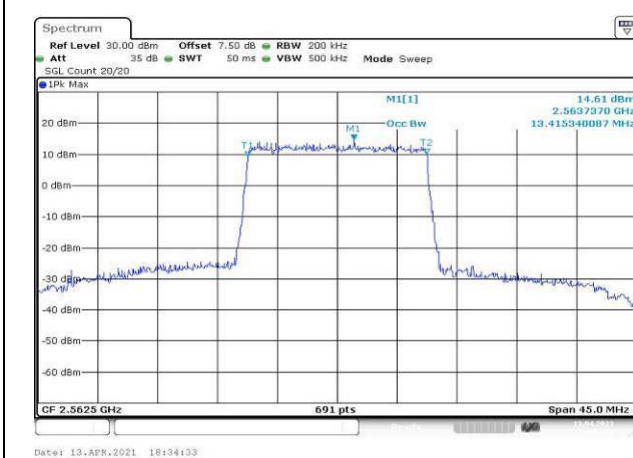
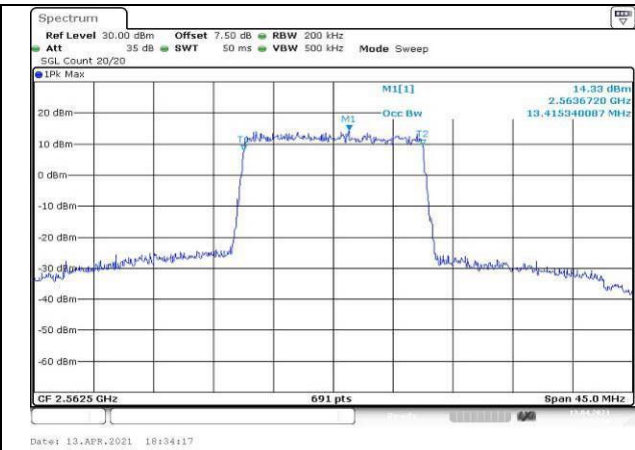
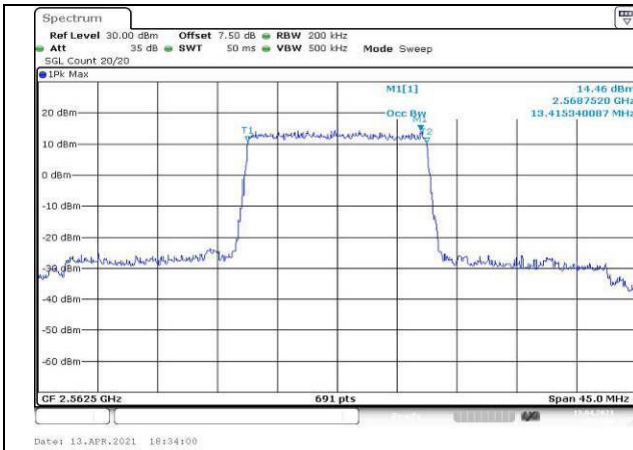
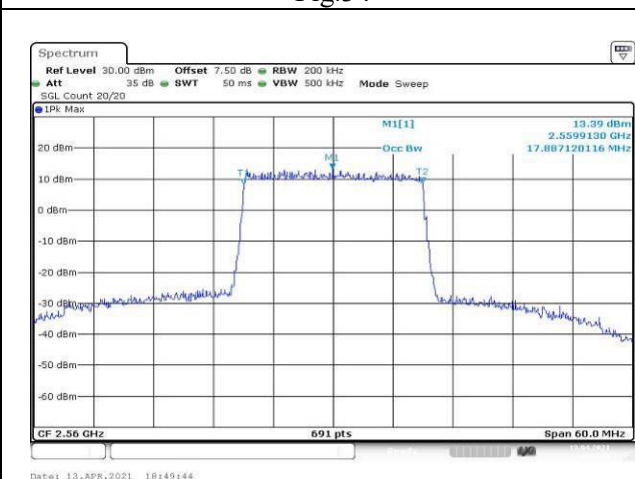
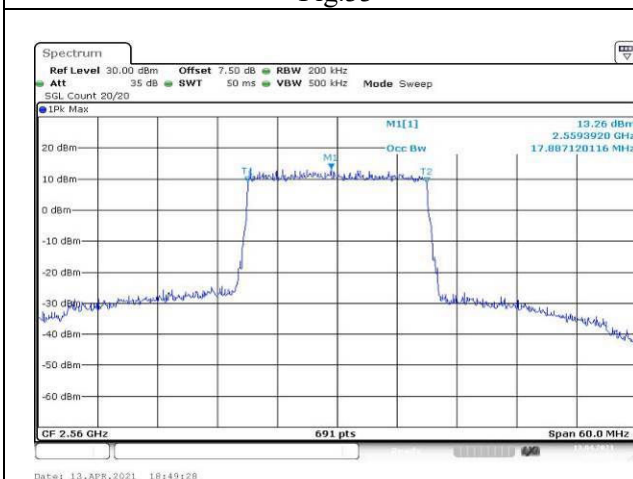
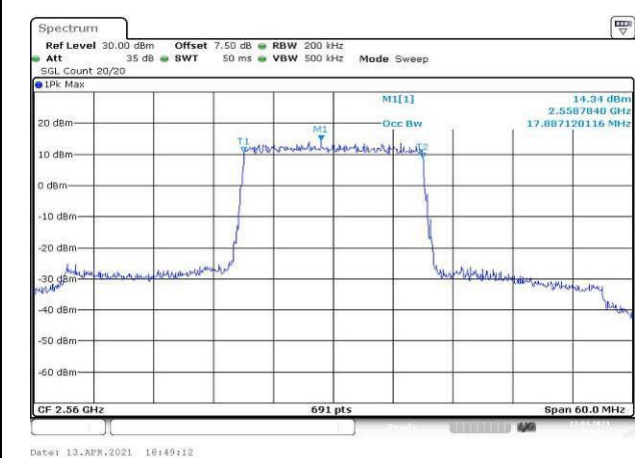
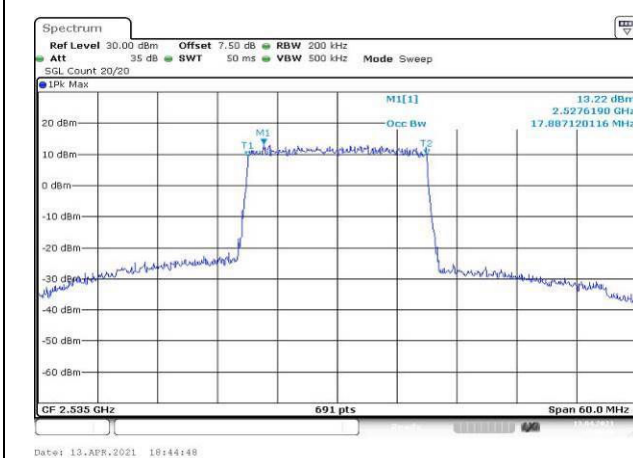
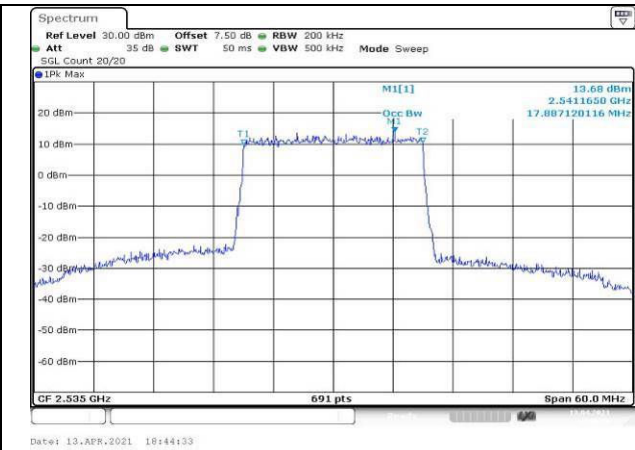
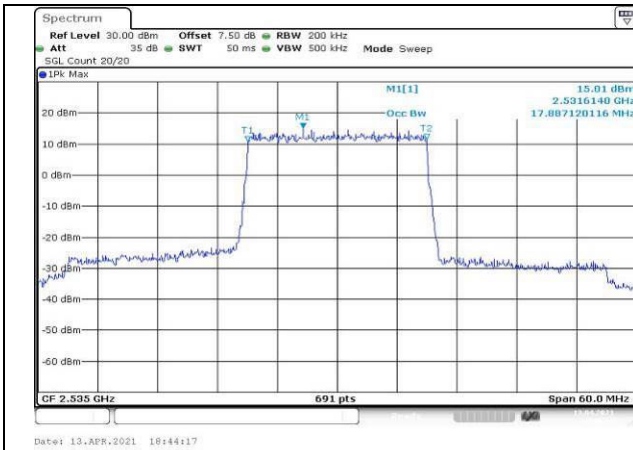


Fig.18







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	
7	2502.5	20775	5	25	0	4.863	Fig.1	4.906	Fig.2	4.906	Fig.3
	2535	21100		25	0	4.884	Fig.4	4.841	Fig.5	4.797	Fig.6
	2567.5	21425		25	0	4.884	Fig.7	4.863	Fig.8	4.863	Fig.9
	2505	20800	10	50	0	9.638	Fig.10	9.595	Fig.11	9.595	Fig.12
	2535	21100		50	0	9.595	Fig.13	9.638	Fig.14	9.595	Fig.15
	2565	21400		50	0	9.638	Fig.16	9.638	Fig.17	9.638	Fig.18
	2507.5	20825	15	75	0	14.522	Fig.19	14.522	Fig.20	14.457	Fig.21
	2535	21100		75	0	14.457	Fig.22	14.457	Fig.23	14.392	Fig.24
	2562.5	21375		75	0	14.392	Fig.25	14.392	Fig.26	14.522	Fig.27
	2510	20850	20	100	0	18.842	Fig.28	19.016	Fig.29	19.016	Fig.30
	2535	21100		100	0	19.016	Fig.31	19.276	Fig.32	19.276	Fig.33
	2560	21350		100	0	19.190	Fig.34	19.103	Fig.35	19.103	Fig.36

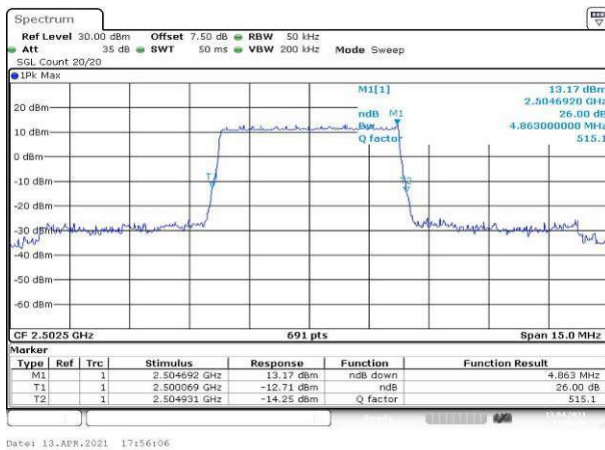


Fig.1

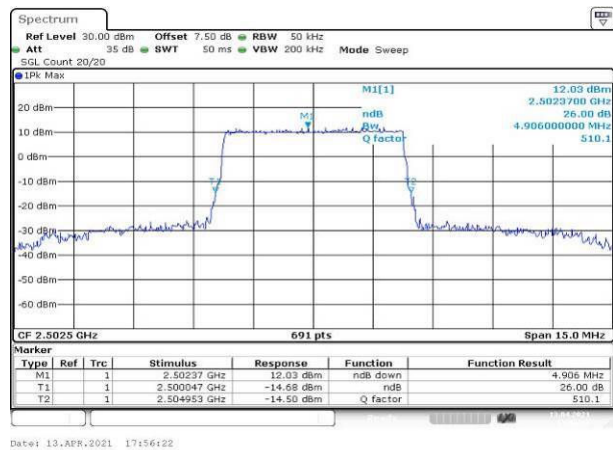


Fig.2

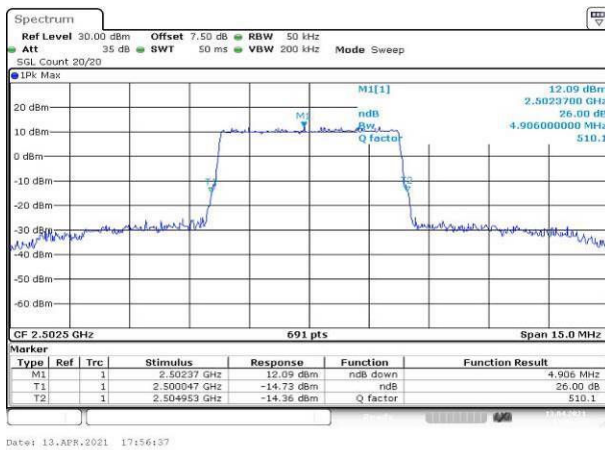


Fig.3

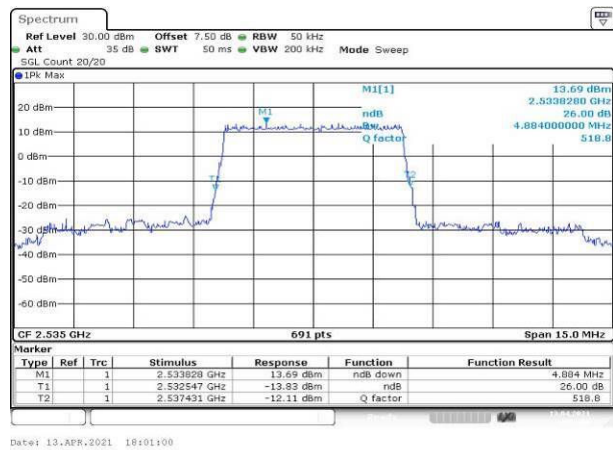


Fig.4

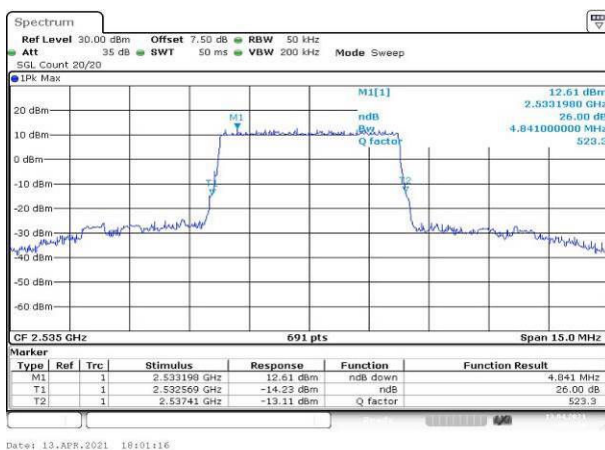


Fig.5

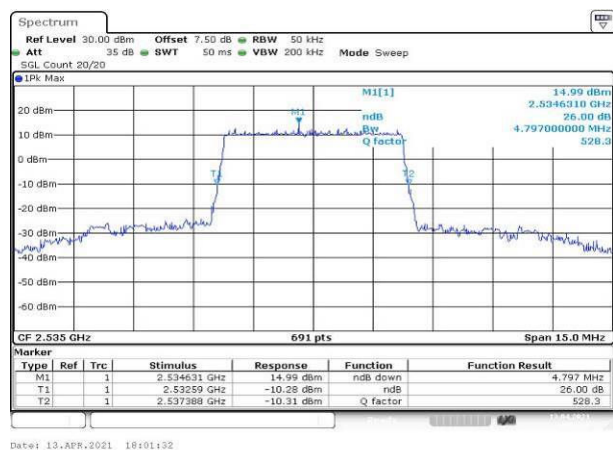
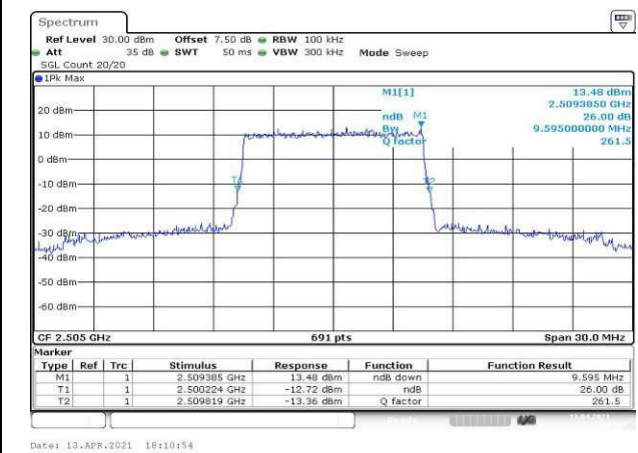
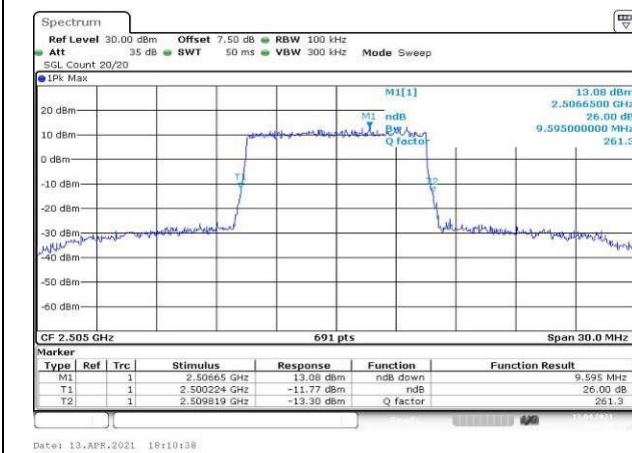
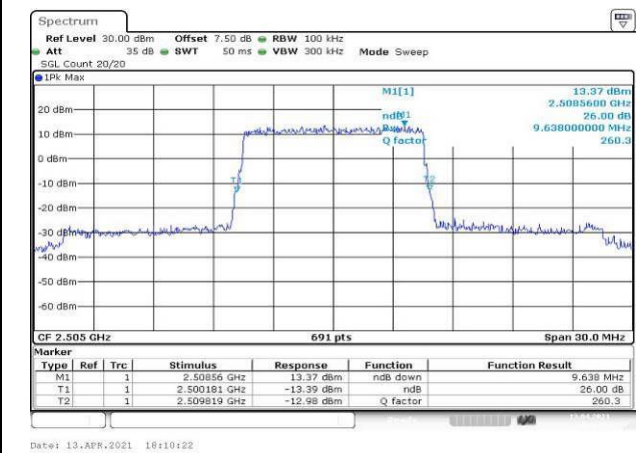
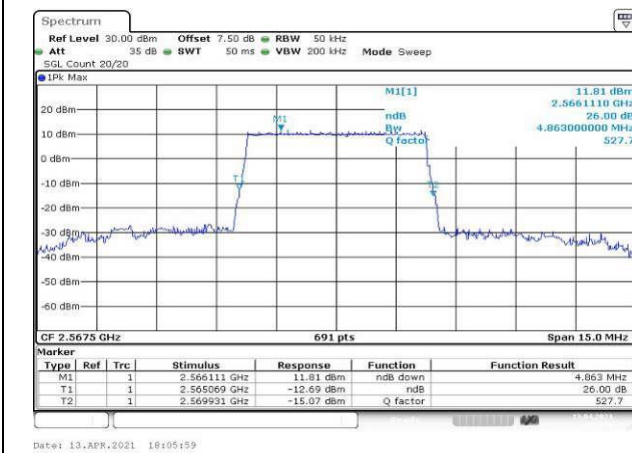
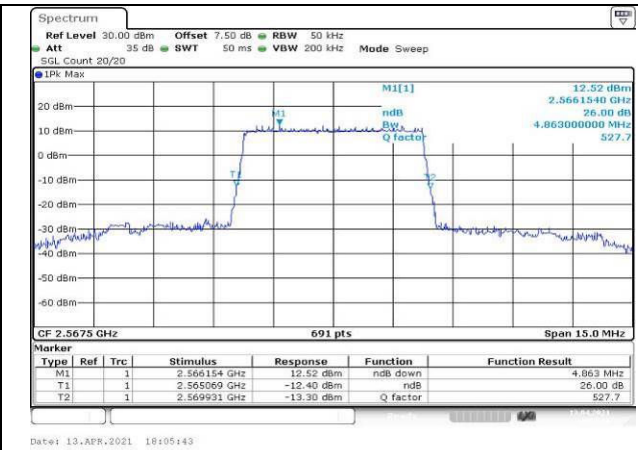
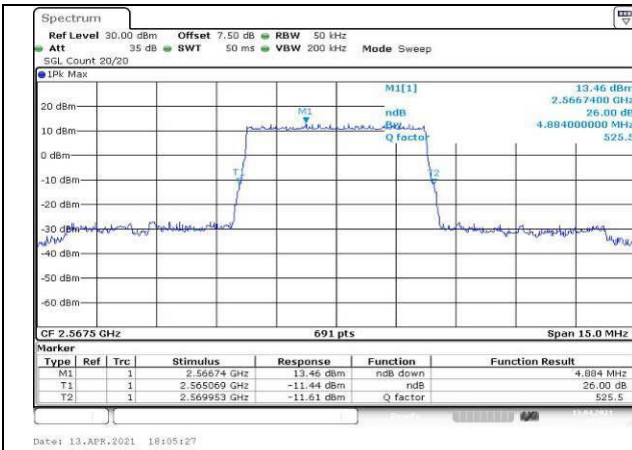
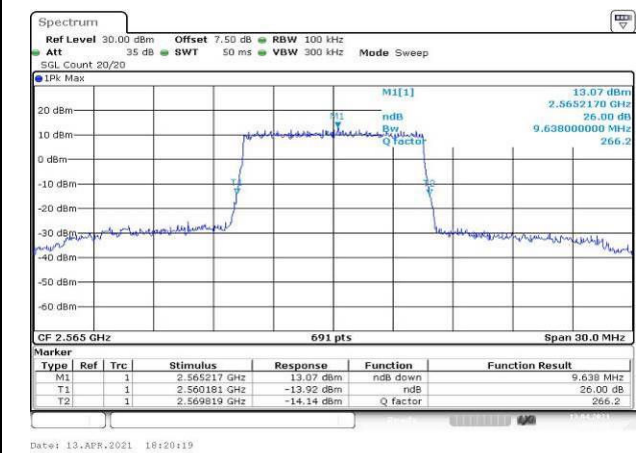
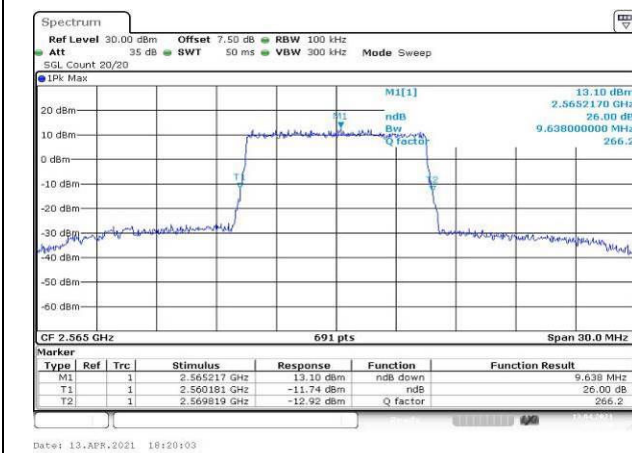
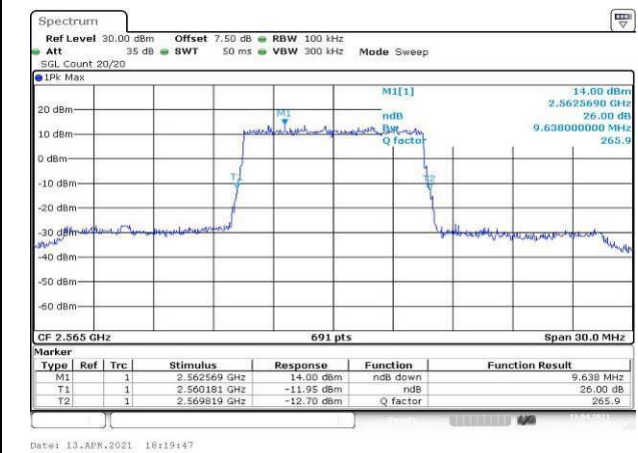
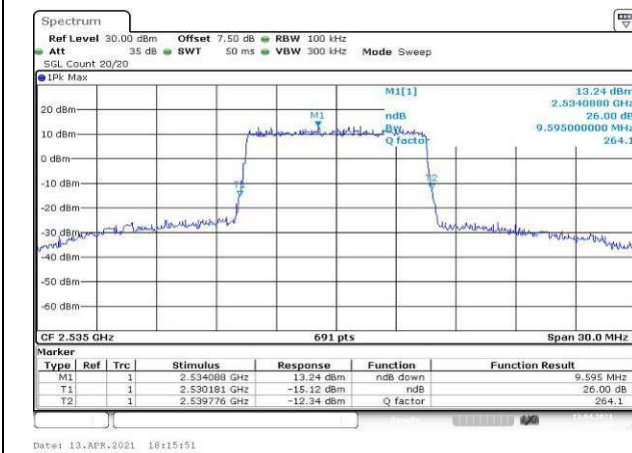
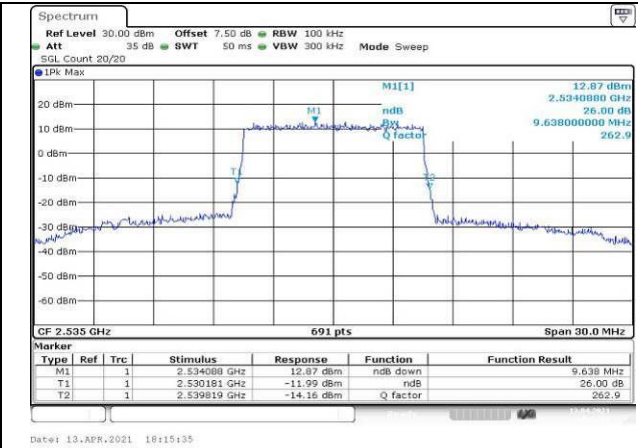
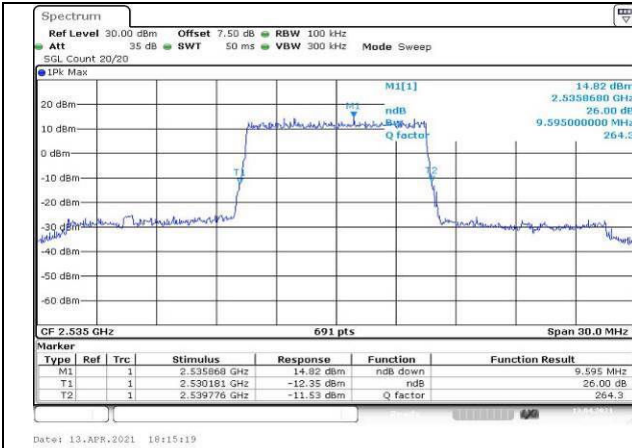


Fig.6





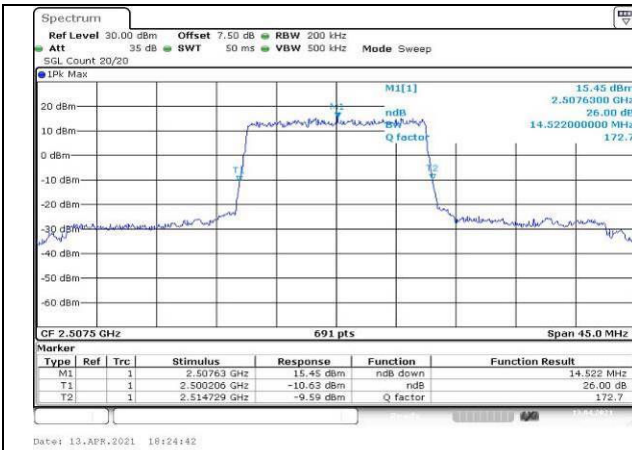


Fig.19

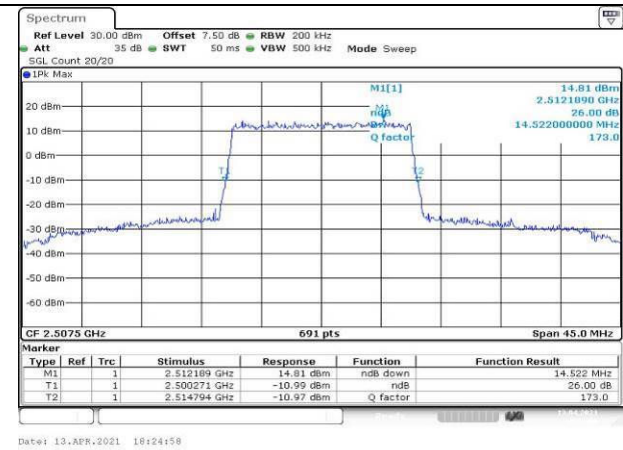


Fig.20

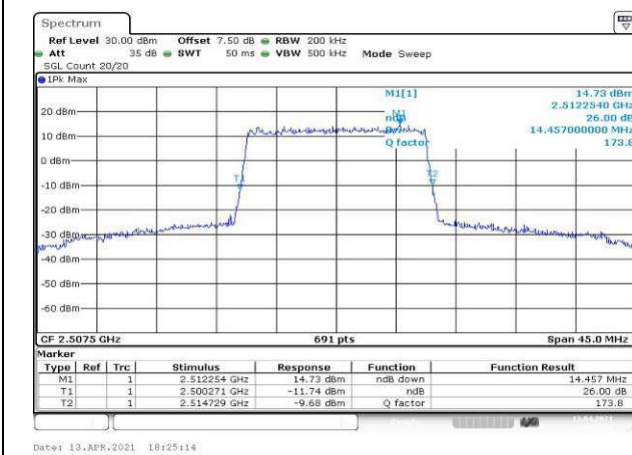


Fig.21

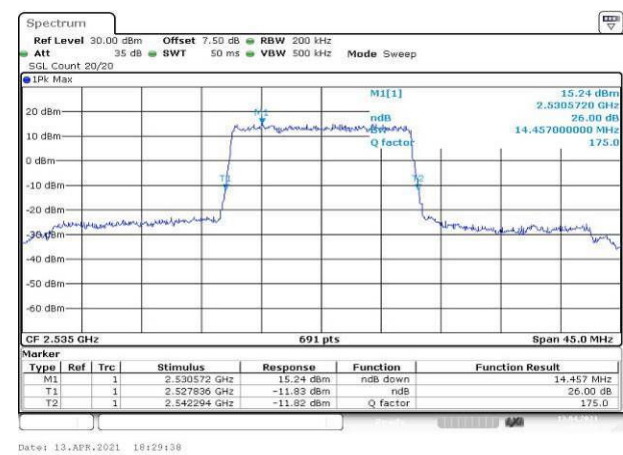


Fig.22

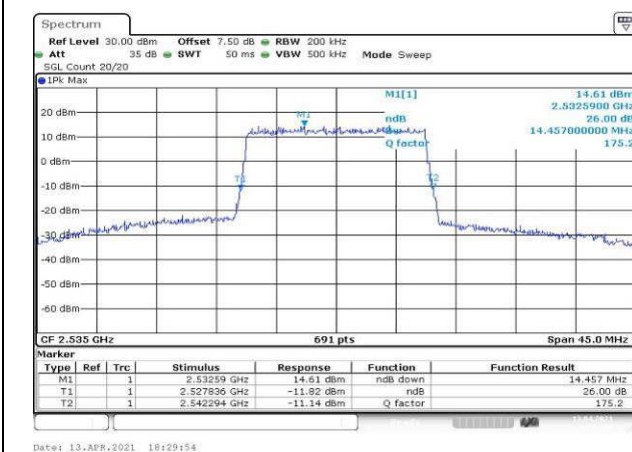


Fig.23

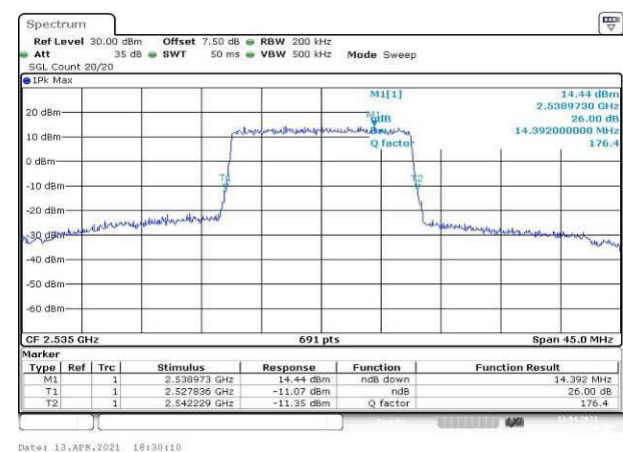


Fig.24

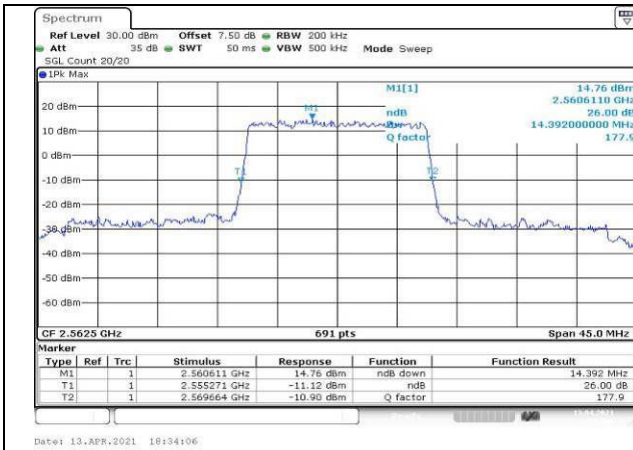


Fig.25

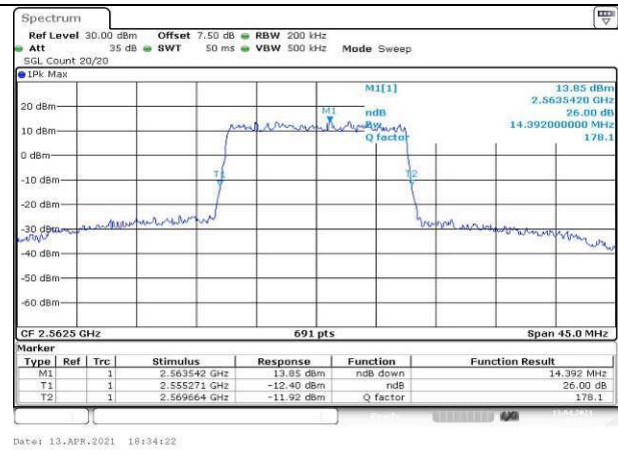


Fig.26

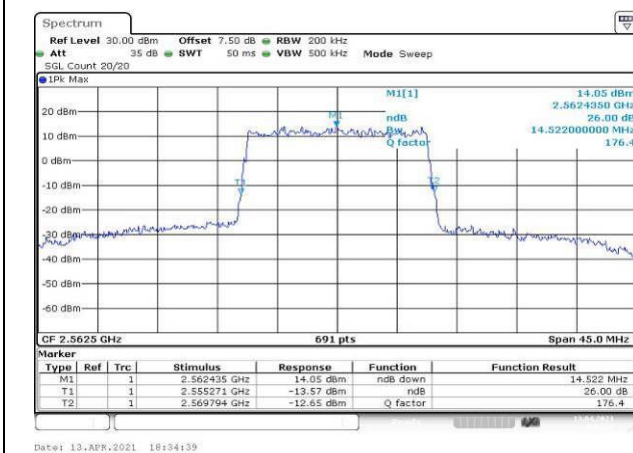


Fig.27

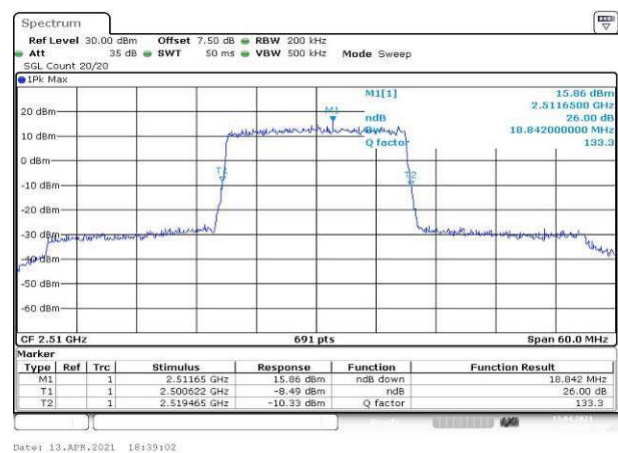


Fig.28

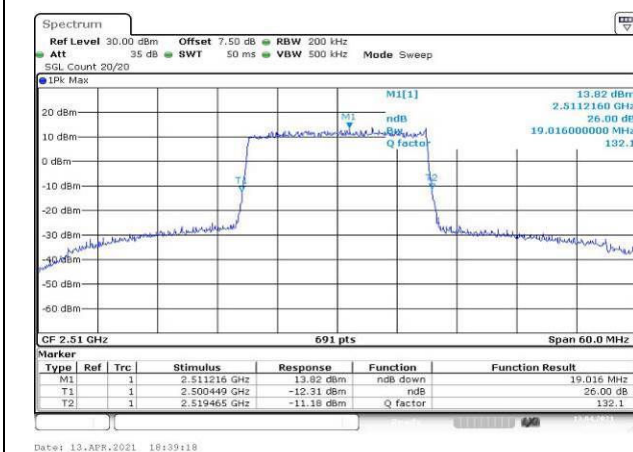


Fig.29

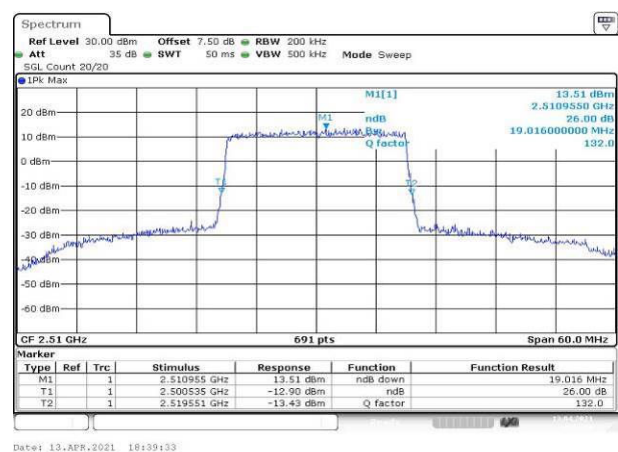


Fig.30

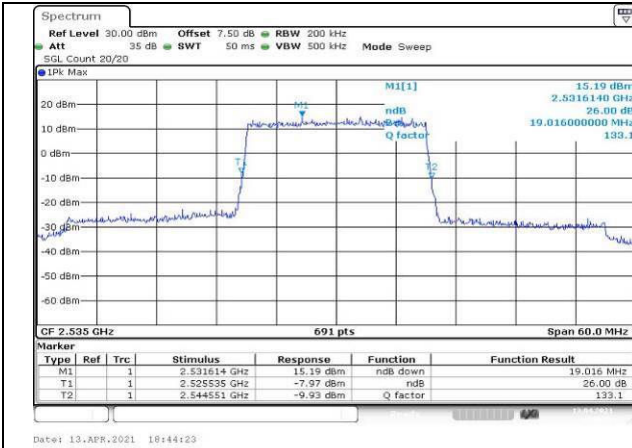


Fig.31

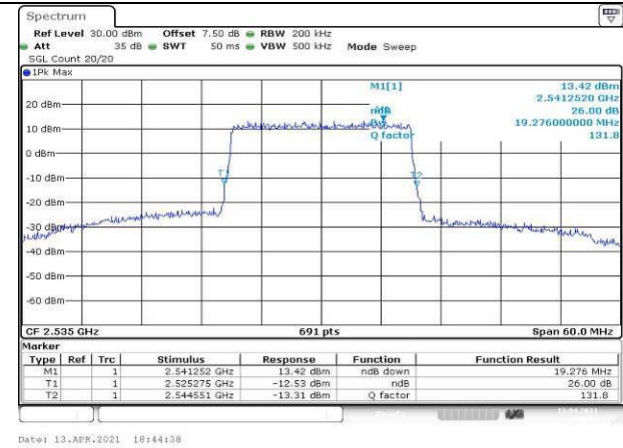


Fig.32

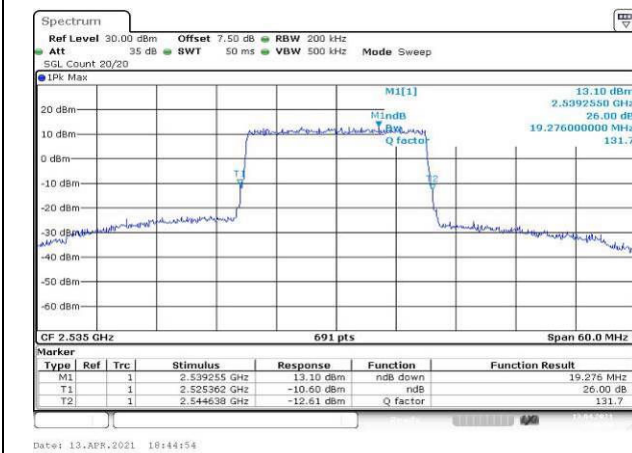


Fig.33

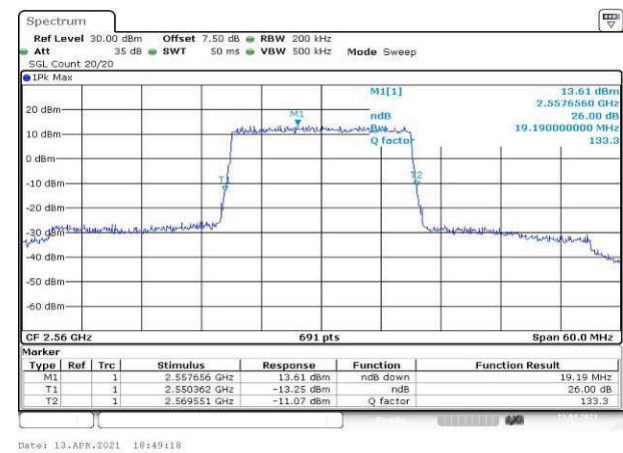


Fig.34

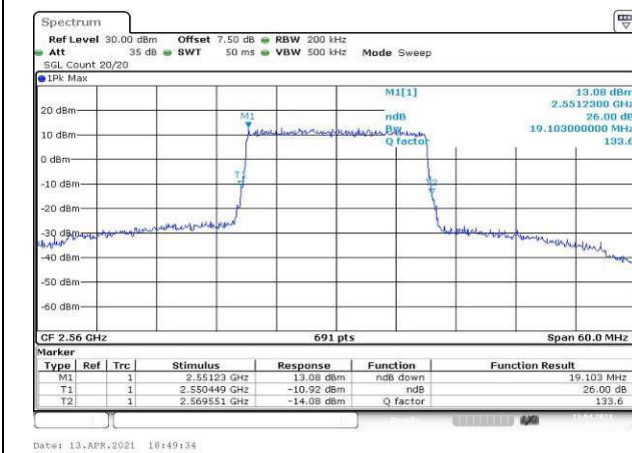


Fig.35

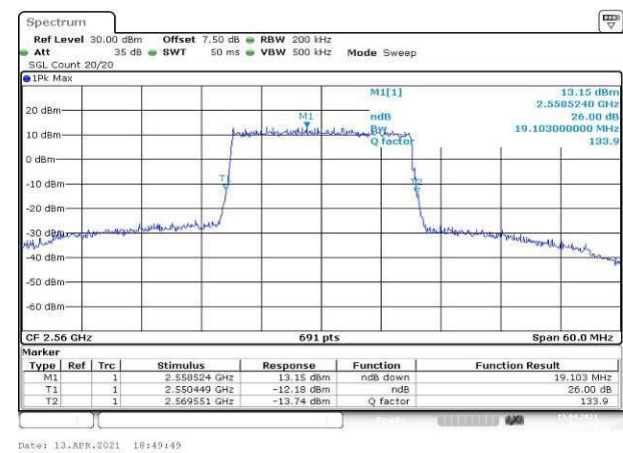


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
7	2502.5	20775	5	1	24	Fig.1	Fig.2	Fig.3
	2502.5	20775		25	0	Fig.4	Fig.5	Fig.6
	2535	21100		1	24	Fig.7	Fig.8	Fig.9
	2535	21100		25	0	Fig.10	Fig.11	Fig.12
	2567.5	21425		1	24	Fig.13	Fig.14	Fig.15
	2567.5	21425		25	0	Fig.16	Fig.17	Fig.18
	2505	20800	10	1	49	Fig.19	Fig.20	Fig.21
	2505	20800		50	0	Fig.22	Fig.23	Fig.24
	2535	21100		1	49	Fig.25	Fig.26	Fig.27
	2535	21100		50	0	Fig.28	Fig.29	Fig.30
	2565	21400		1	49	Fig.31	Fig.32	Fig.33
	2565	21400		50	0	Fig.34	Fig.35	Fig.36
	2507.5	20825	15	1	74	Fig.37	Fig.38	Fig.39
	2507.5	20825		75	0	Fig.40	Fig.41	Fig.42
	2535	21100		1	74	Fig.43	Fig.44	Fig.45
	2535	21100		75	0	Fig.46	Fig.47	Fig.48
	2562.5	21375		1	74	Fig.49	Fig.50	Fig.51
	2562.5	21375		75	0	Fig.52	Fig.53	Fig.54
	2510	20850	20	1	99	Fig.55	Fig.56	Fig.57
	2510	20850		100	0	Fig.58	Fig.59	Fig.60
	2535	21100		1	99	Fig.61	Fig.62	Fig.63
	2535	21100		100	0	Fig.64	Fig.65	Fig.66
	2560	21350		1	99	Fig.67	Fig.68	Fig.69
	2560	21350		100	0	Fig.70	Fig.71	Fig.72

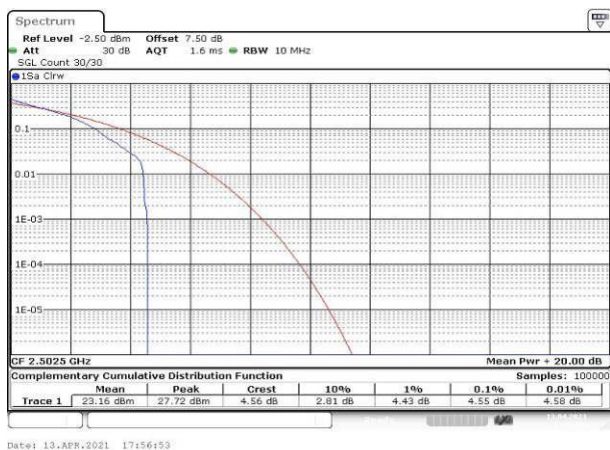


Fig.1

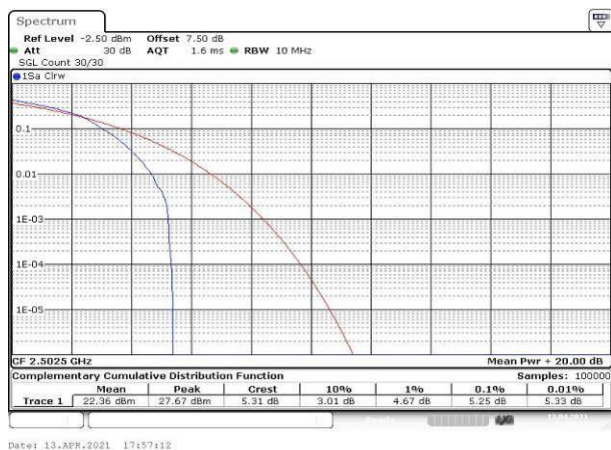


Fig.2

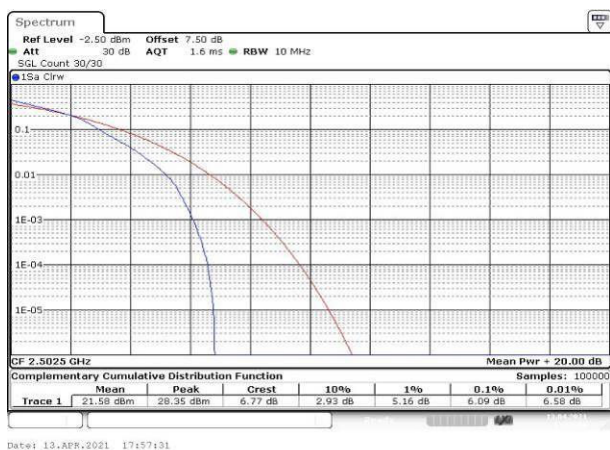


Fig.3

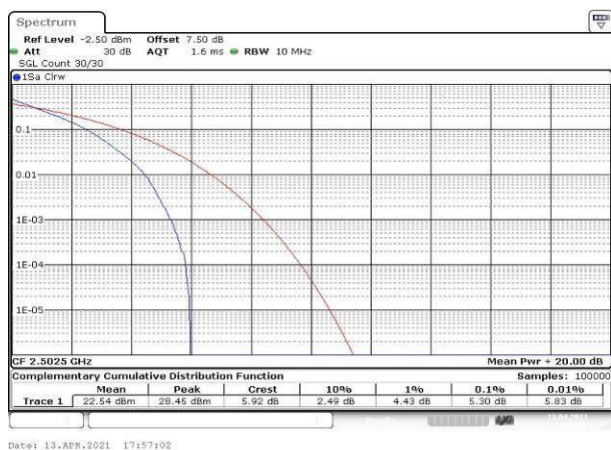


Fig.4

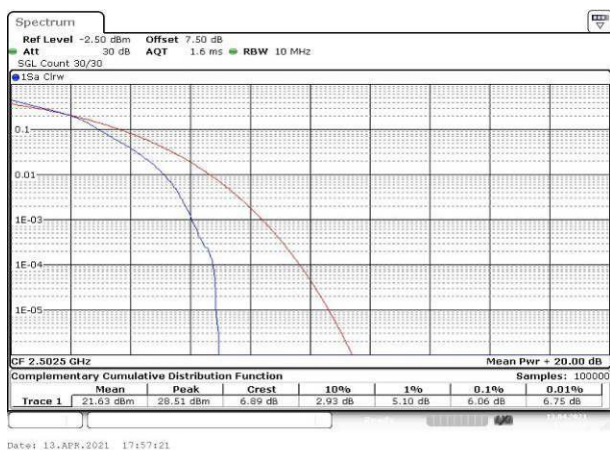


Fig.5

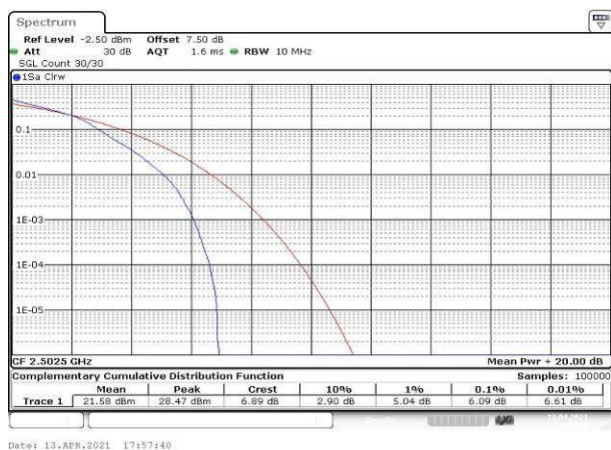


Fig.6