

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF 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
	2535	21100		50	0	23.08
				1	0	24.23
				1	25	24.09
				1	49	24.12
				25	0	23.14
				25	12	23.14
	2565	21400		25	25	23.13
				50	0	23.18
				1	0	23.95
				1	25	23.66
				1	49	23.65
				25	0	22.80
16QAM	2505	20800	25	12	22.71	
			25	25	22.74	
			50	0	22.77	
			1	0	23.61	
			1	25	23.60	
			1	49	23.53	
	2535	21100	25	0	22.17	
			25	12	22.10	
			25	25	22.10	
			50	0	22.12	
			1	0	23.42	
			1	25	23.24	
	2565	21400	1	49	23.25	
			25	0	22.27	
			25	12	22.15	
			25	25	22.15	
			50	0	22.22	
			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
	2535	21100		75	0	23.08
				1	0	24.34
				1	37	24.01
				1	74	24.03
				36	0	23.20
				36	29	23.19
	2562.5	21375		36	30	23.18
				75	0	23.20
				1	0	24.02
				1	37	23.69
				1	74	23.68
				36	0	22.94
16QAM	2507.5	20825	36	29	22.74	
			36	30	22.74	
			75	0	22.73	
			1	0	23.70	
			1	37	23.59	
			1	74	23.56	
	2535	21100	36	0	22.15	
			36	29	22.04	
			36	30	22.05	
			75	0	22.07	
			1	0	23.39	
			1	37	23.14	
	2562.5	21375	1	74	23.15	
			36	0	22.26	
			36	29	22.19	
			36	30	22.20	
			75	0	22.23	
			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
	2535	21100		75	0	22.06
				1	0	22.23
				1	37	22.23
				1	74	22.23
				36	0	22.23
				36	29	22.23
	2562.5	21375		36	30	22.23
				75	0	22.23
				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
	2560	21350		100	0	23.21
				1	0	24.11
				1	49	23.70
				1	99	23.69
				50	0	23.08
50			24	22.76		
16QAM	2510	20850	50	50	22.76	
			100	0	22.98	
			1	0	23.45	
			1	49	23.29	
			1	99	23.26	
			50	0	22.16	
	2535	21100	50	24	22.08	
			50	50	22.08	
			100	0	22.07	
			1	0	23.55	
			1	49	23.25	
			1	99	23.32	
	2560	21350	50	0	22.23	
			50	24	22.12	
			50	50	22.13	
			100	0	22.25	
			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

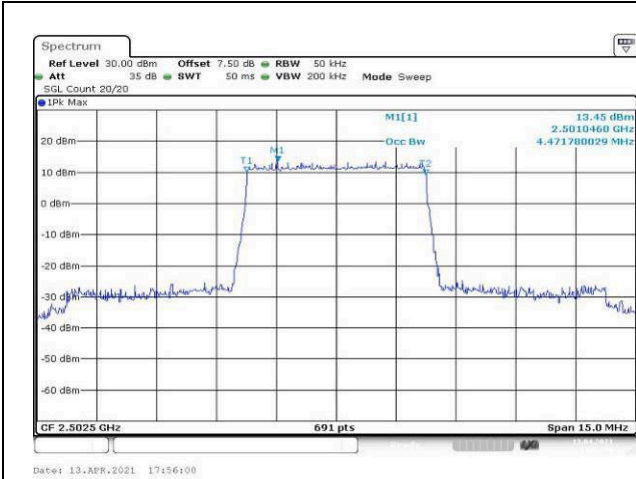


Fig.1

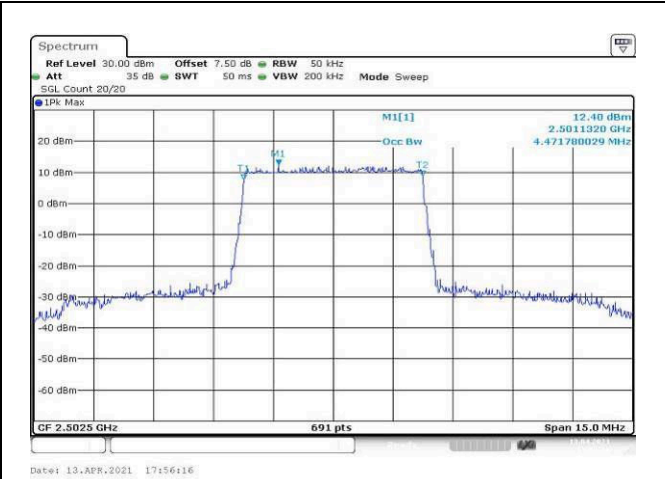


Fig.2

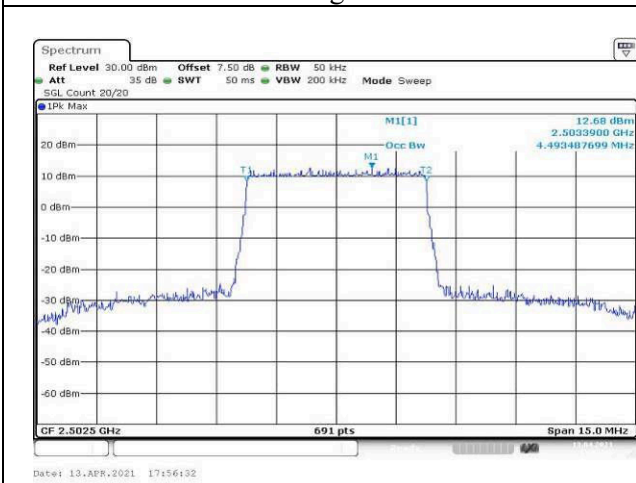


Fig.3

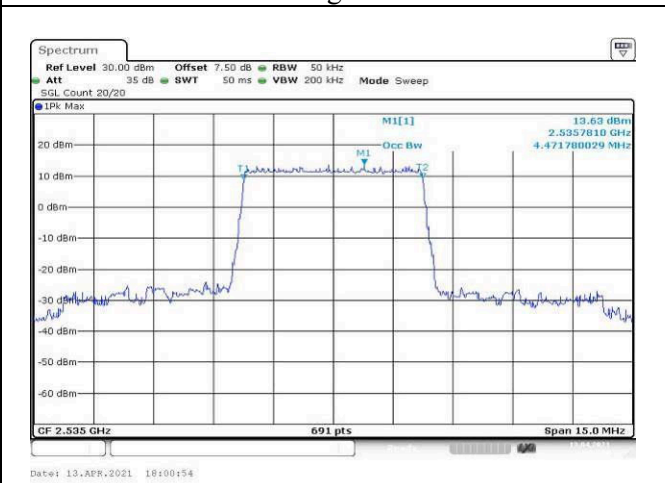


Fig.4

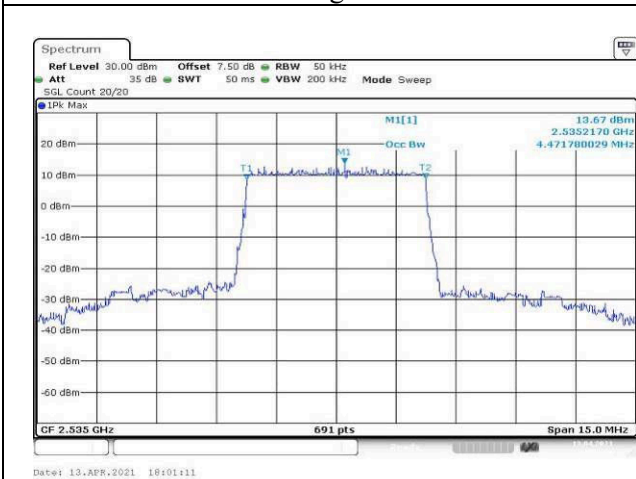


Fig.5

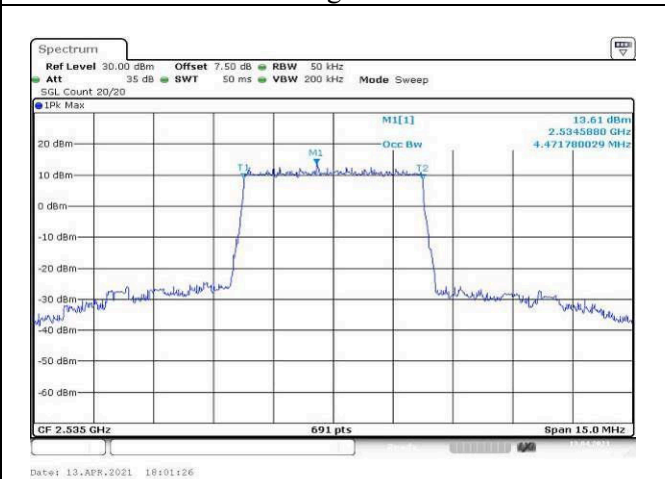


Fig.6

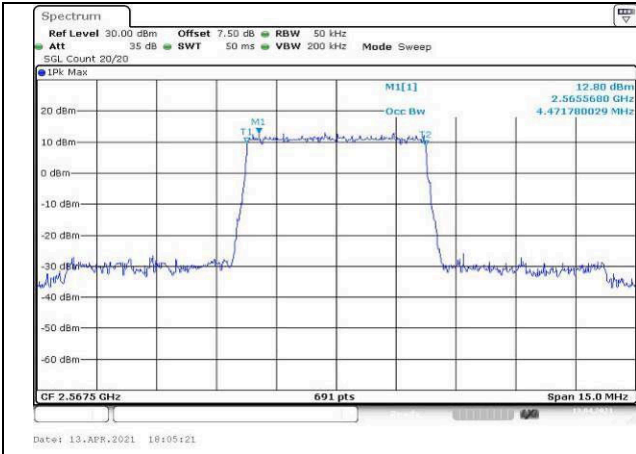


Fig.7

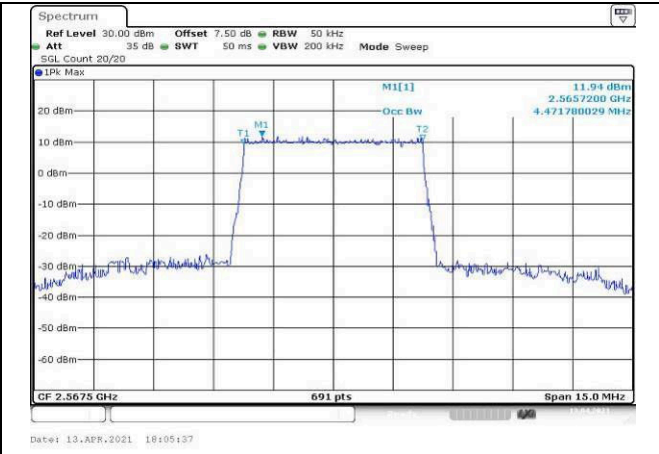


Fig.8

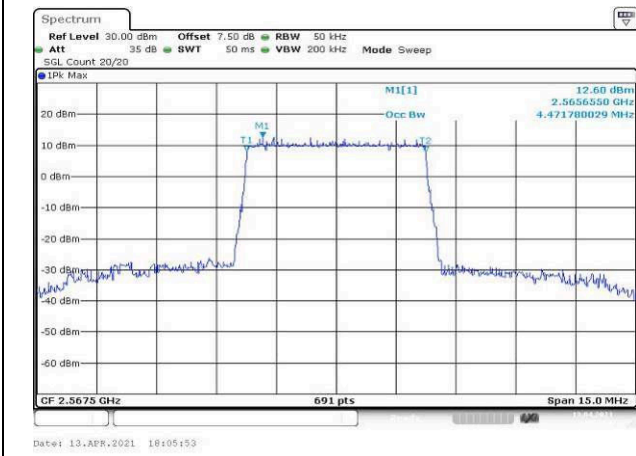


Fig.9

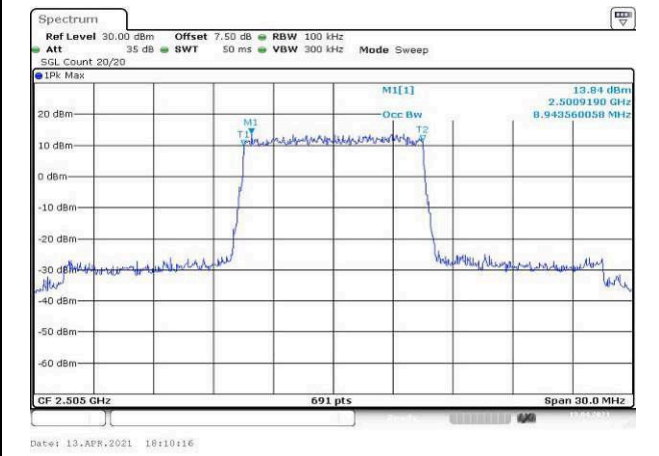


Fig.10

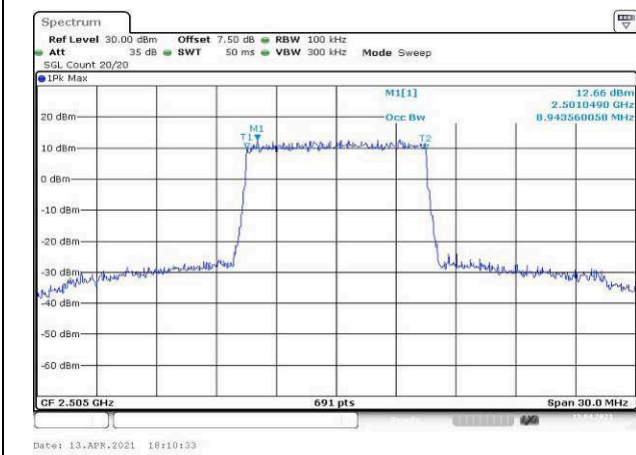


Fig.11

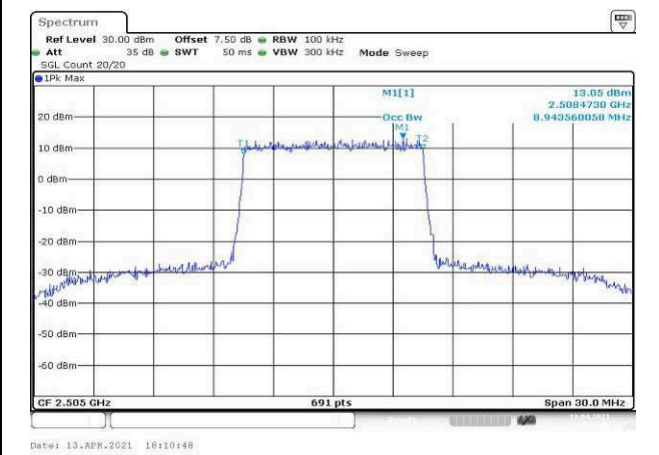
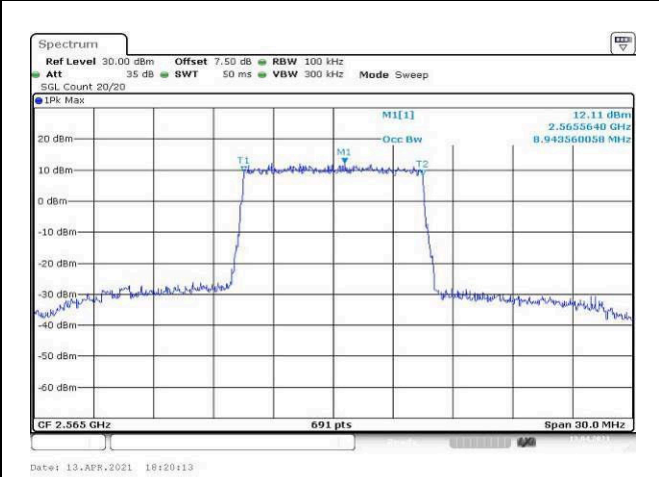
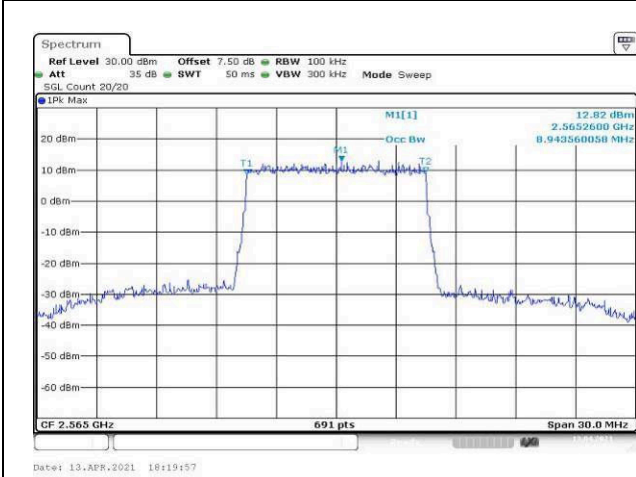
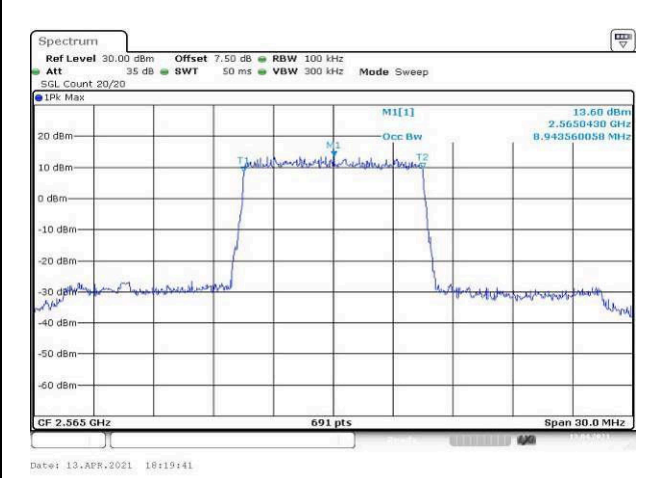
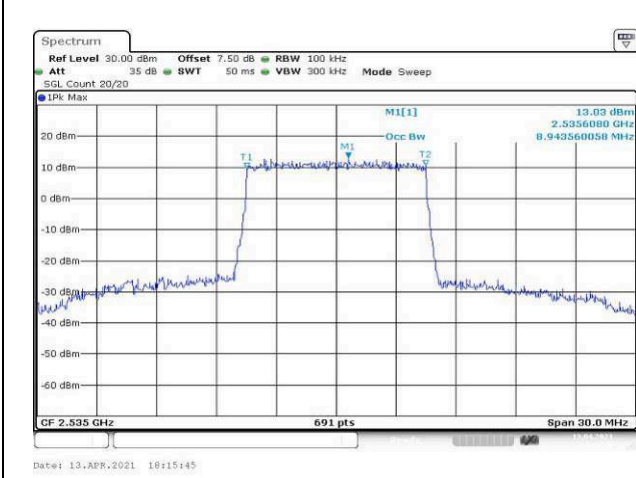
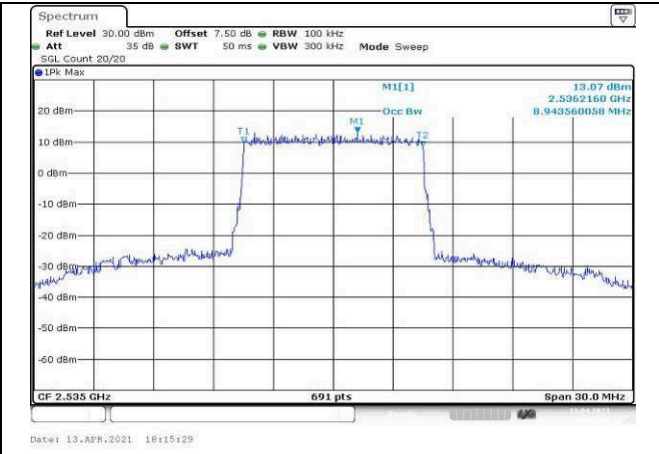
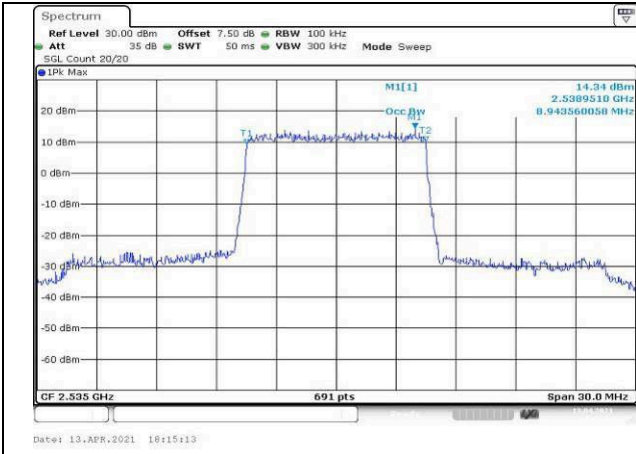


Fig.12



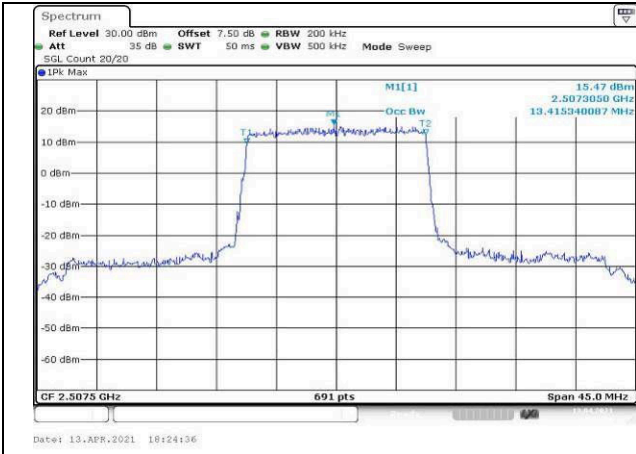


Fig.19

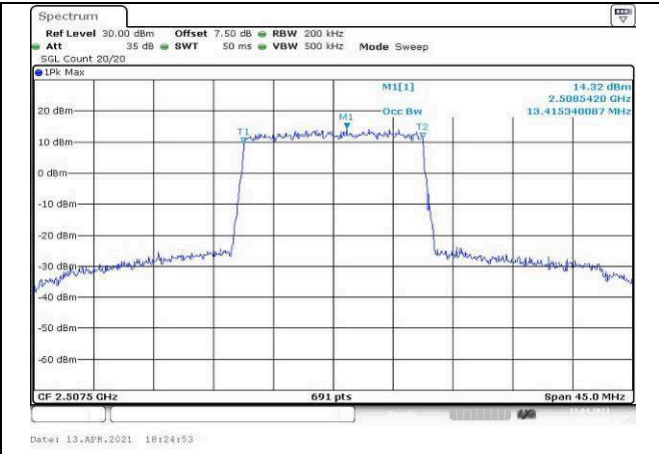


Fig.20

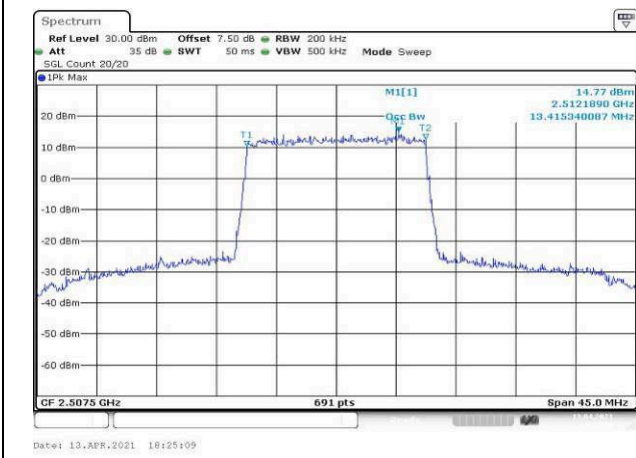


Fig.21

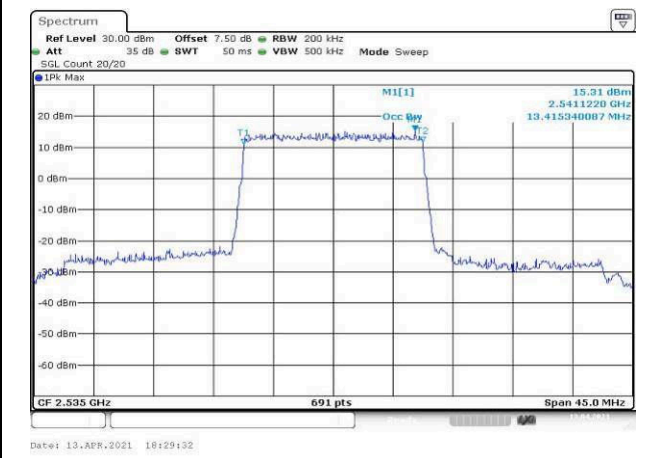


Fig.22

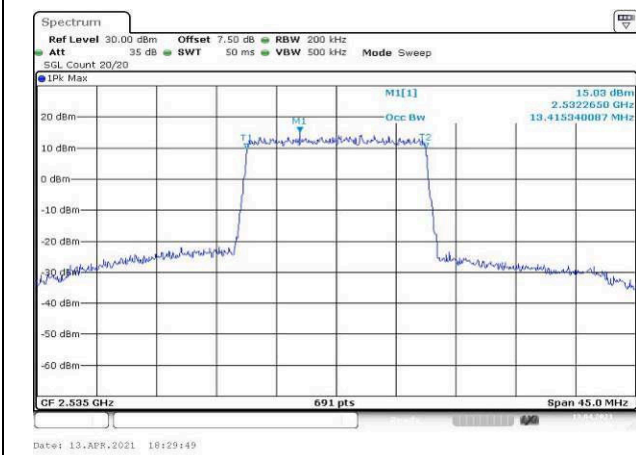


Fig.23

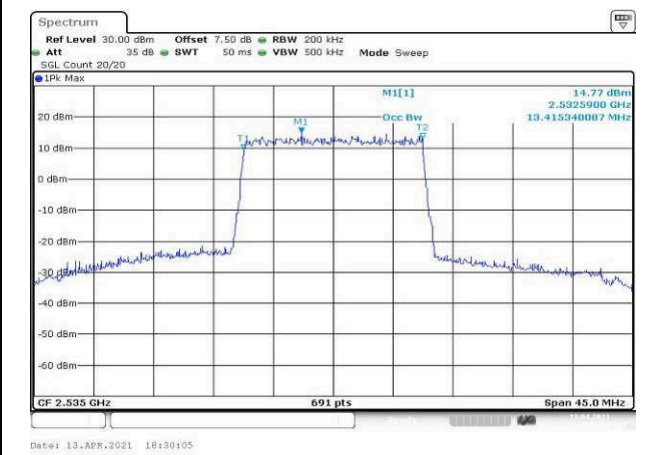


Fig.24

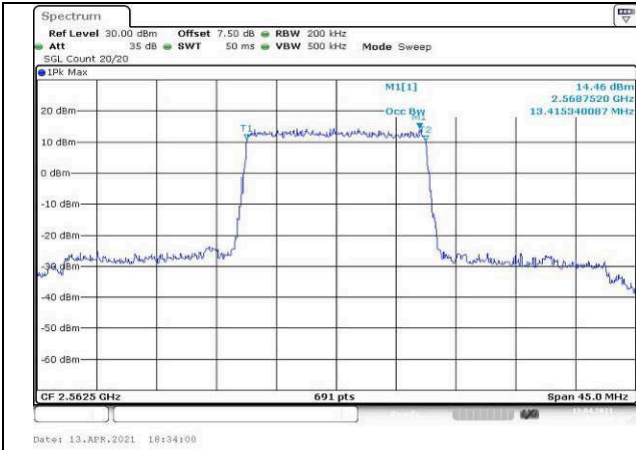


Fig.25

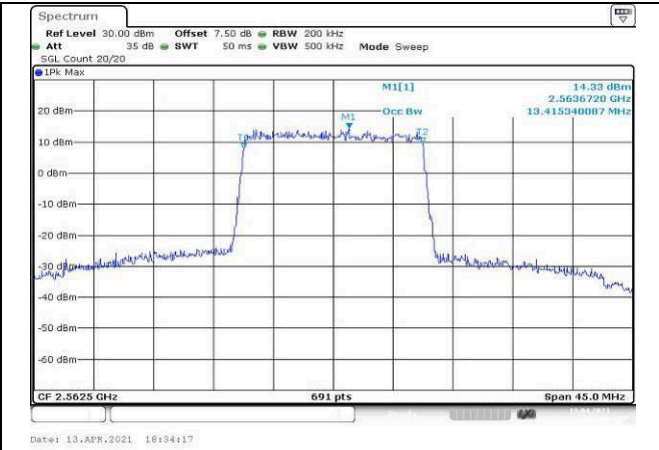


Fig.26

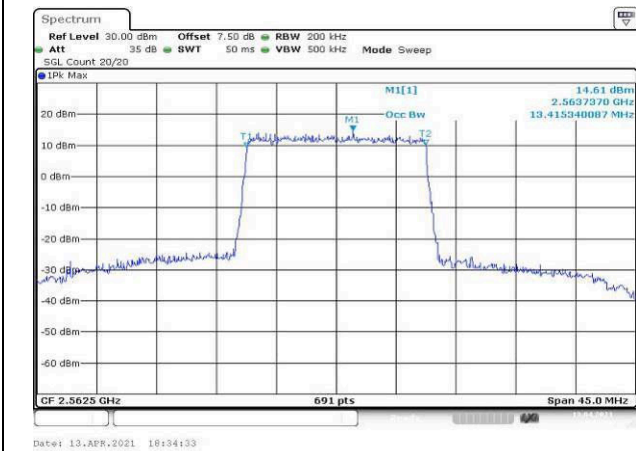


Fig.27

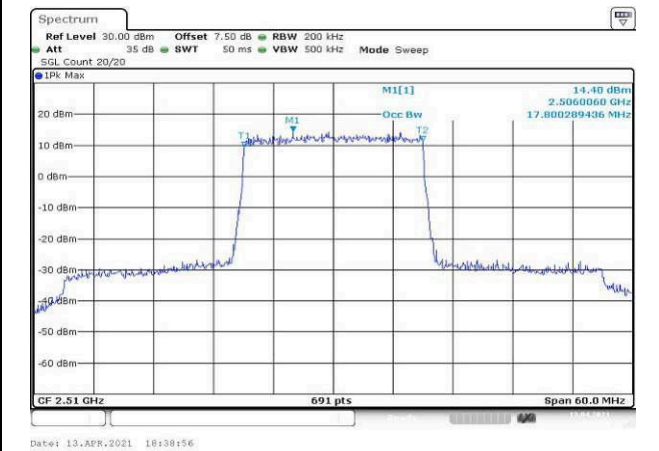


Fig.28

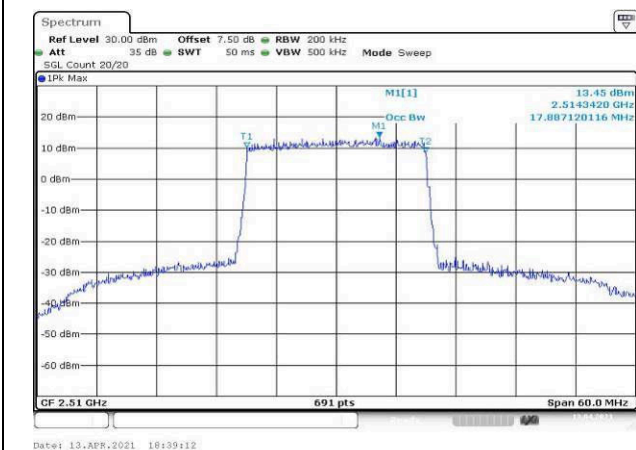


Fig.29

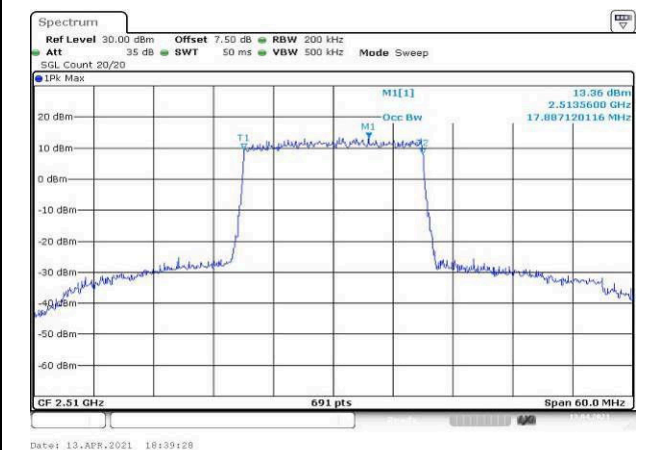


Fig.30

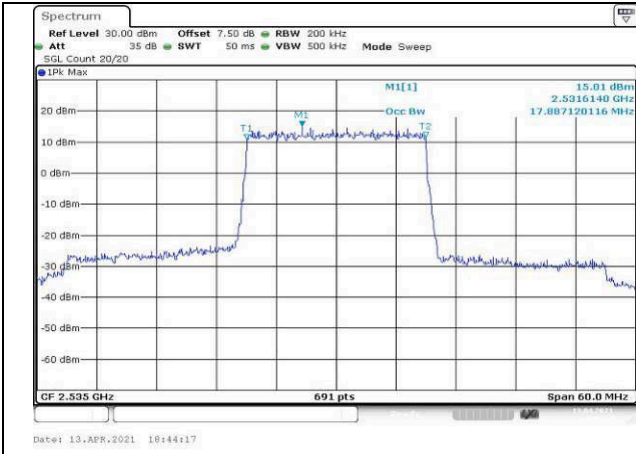


Fig.31

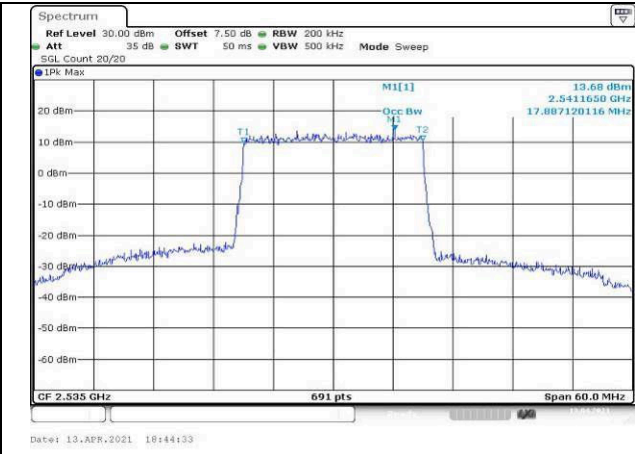


Fig.32

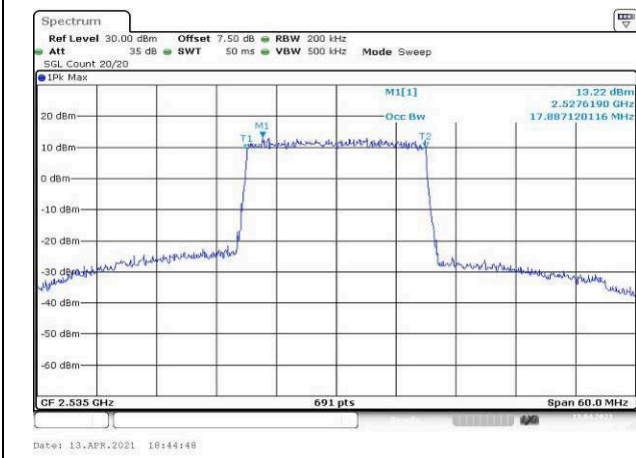


Fig.33

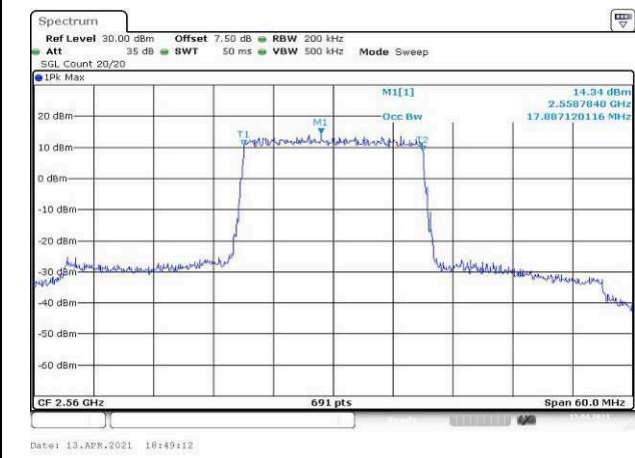


Fig.34

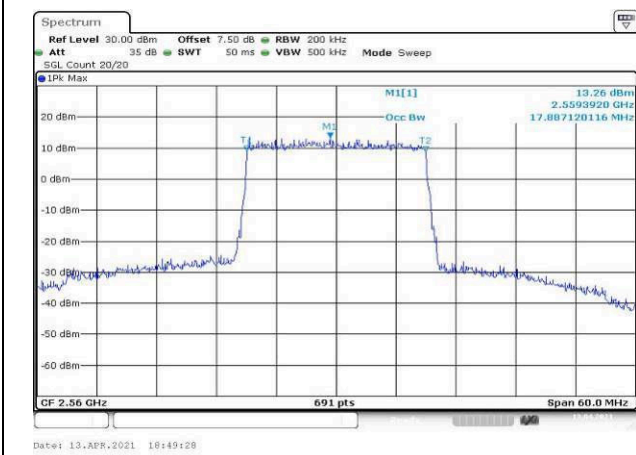


Fig.35

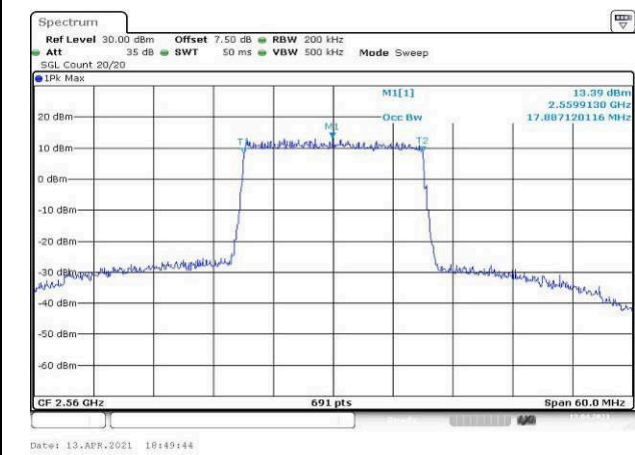


Fig.36

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	
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

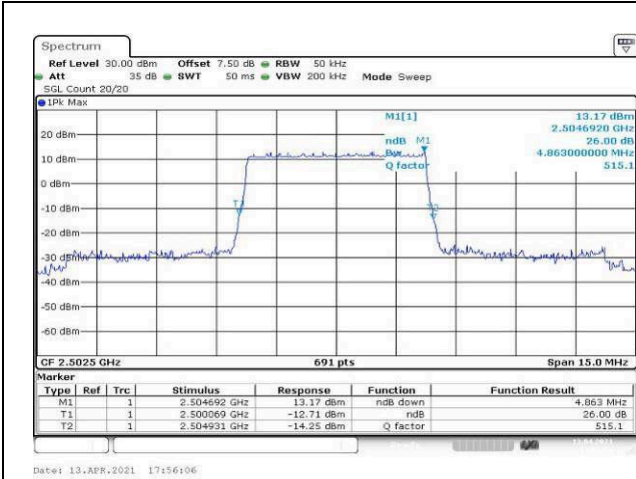


Fig.1

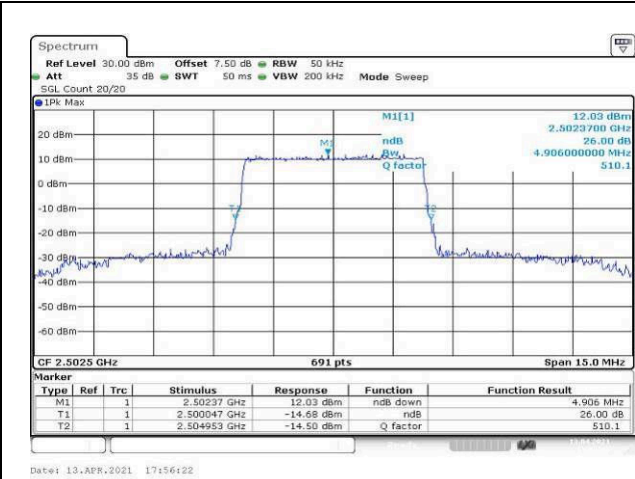


Fig.2

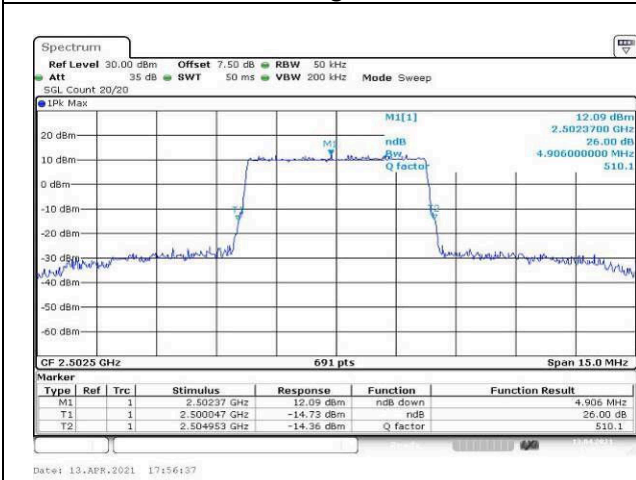


Fig.3

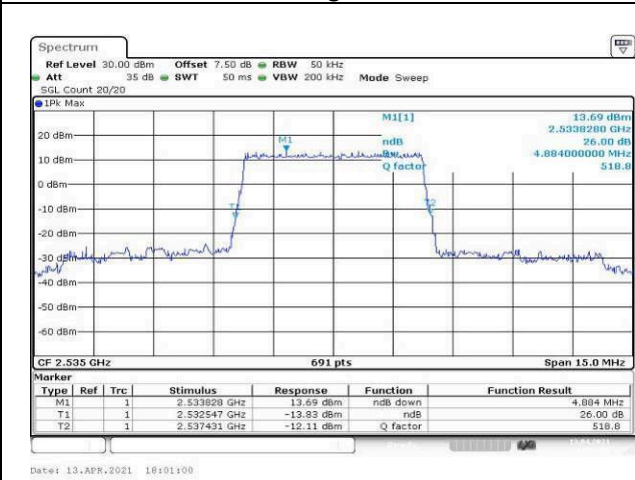


Fig.4

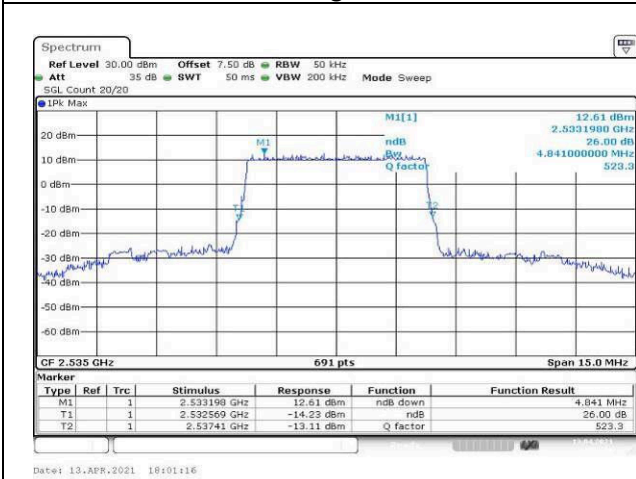


Fig.5

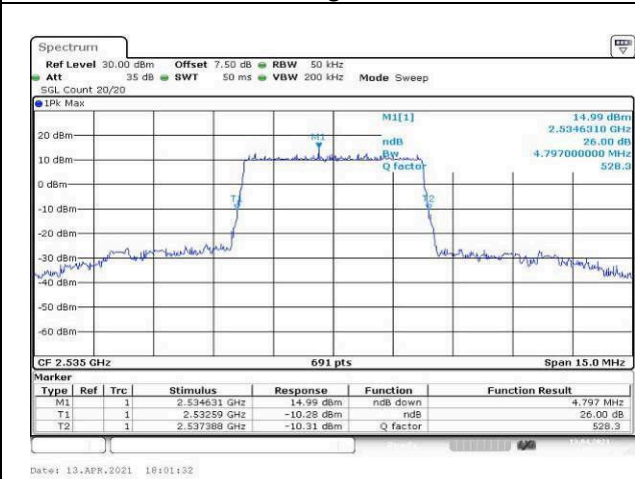


Fig.6

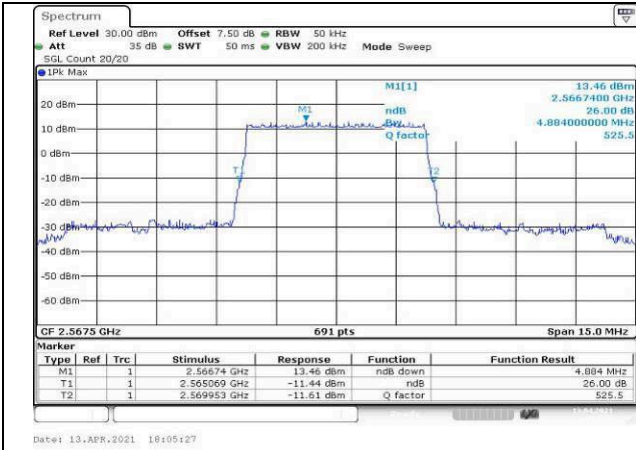


Fig.7

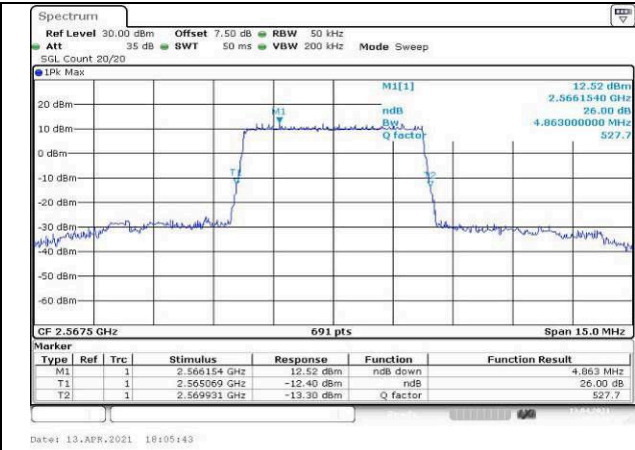


Fig.8

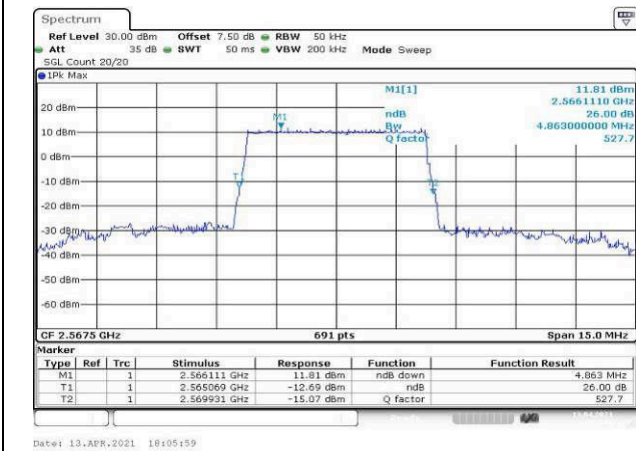


Fig.9

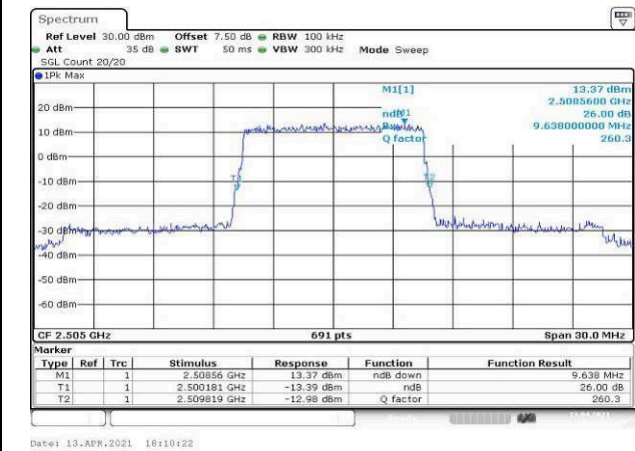


Fig.10

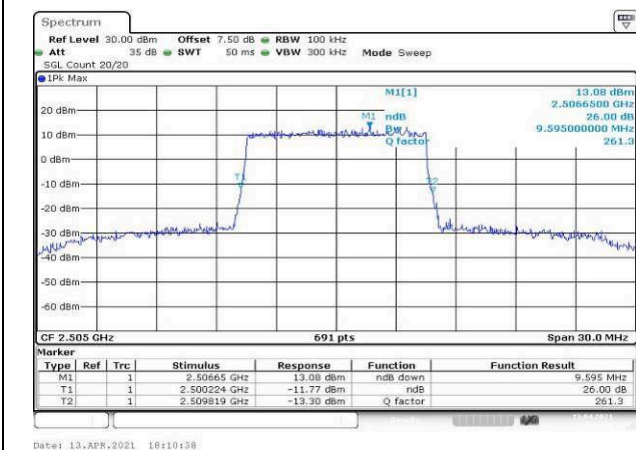


Fig.11

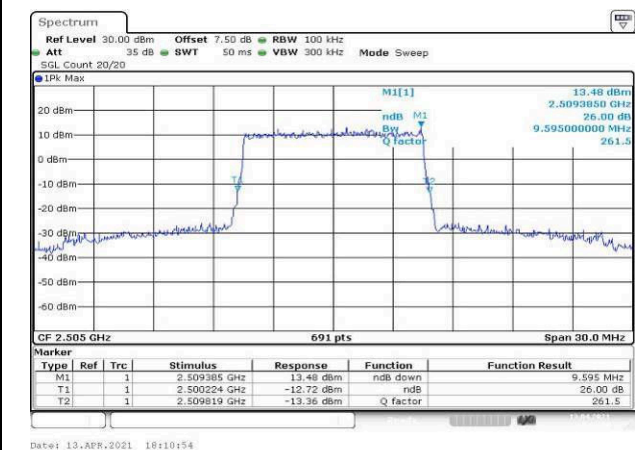


Fig.12

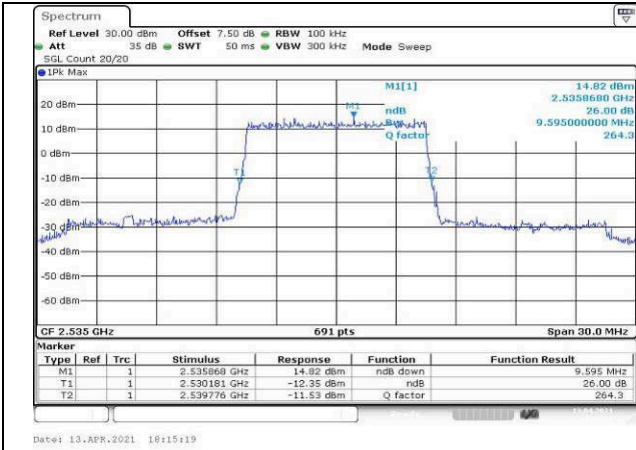


Fig.13

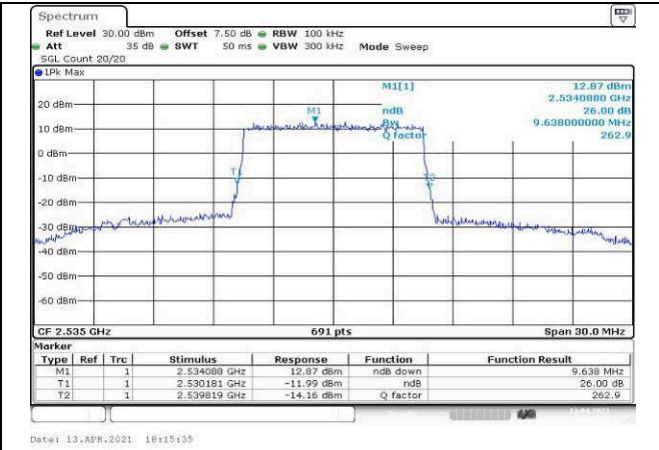


Fig.14

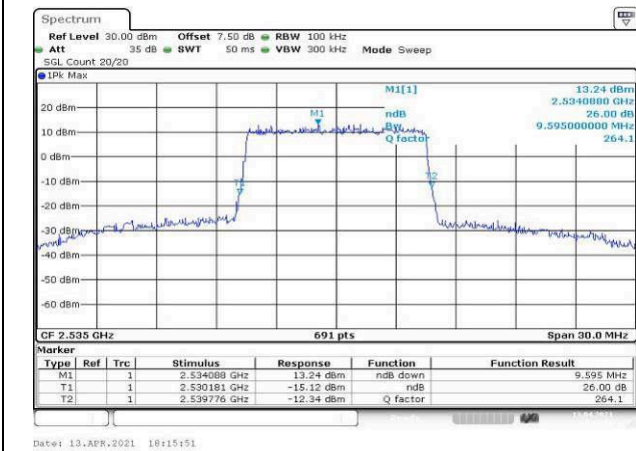


Fig.15

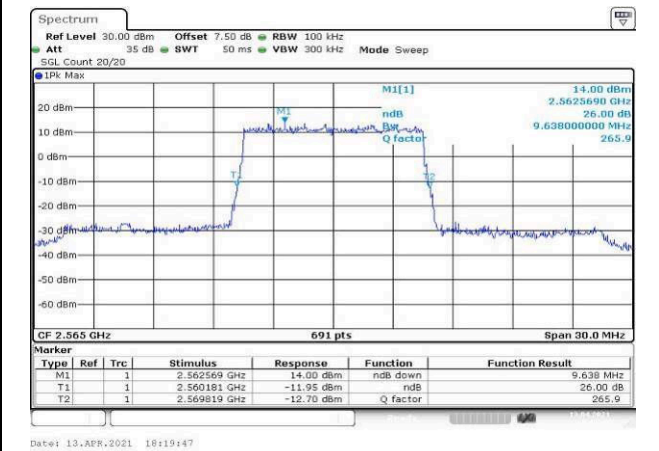


Fig.16

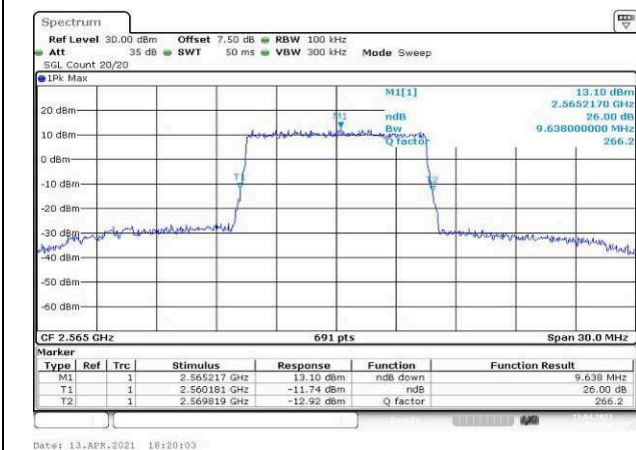


Fig.17

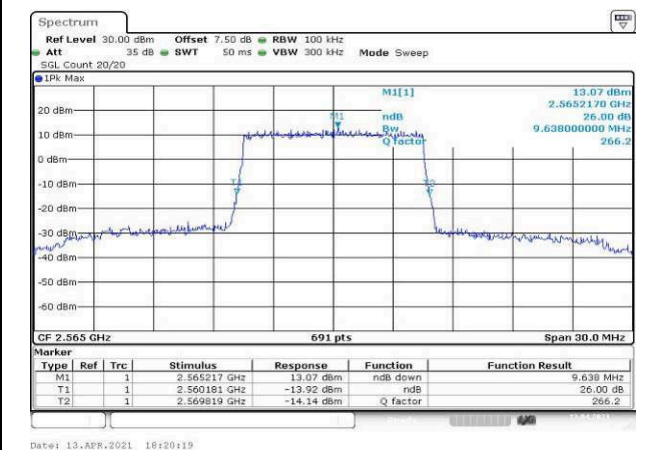


Fig.18

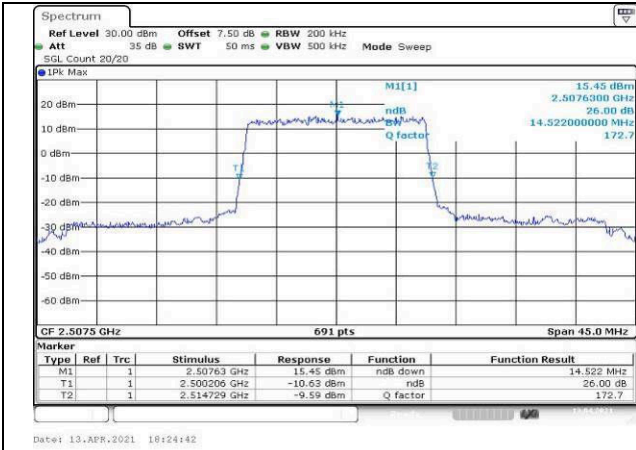


Fig.19

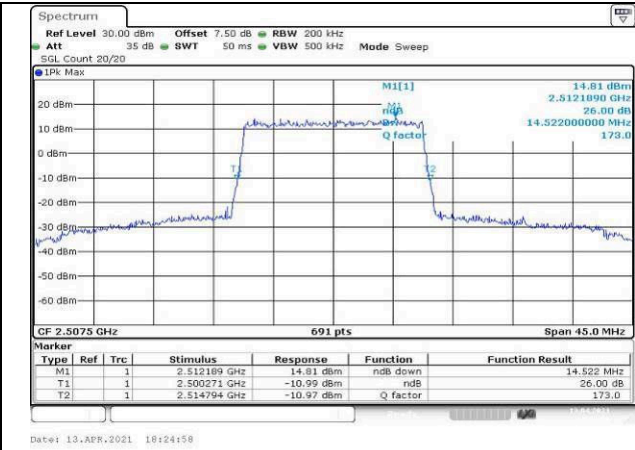


Fig.20

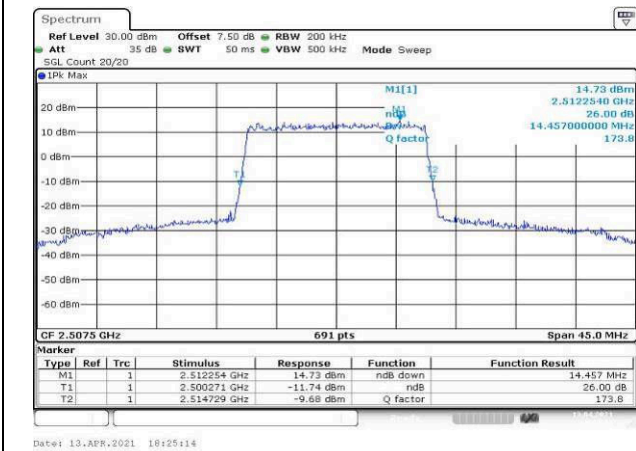


Fig.21

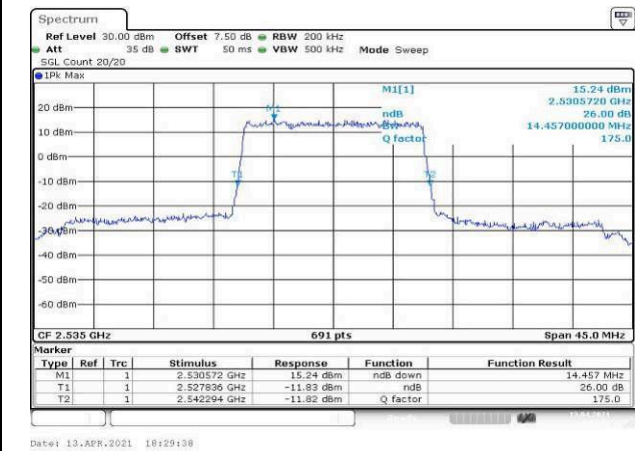


Fig.22

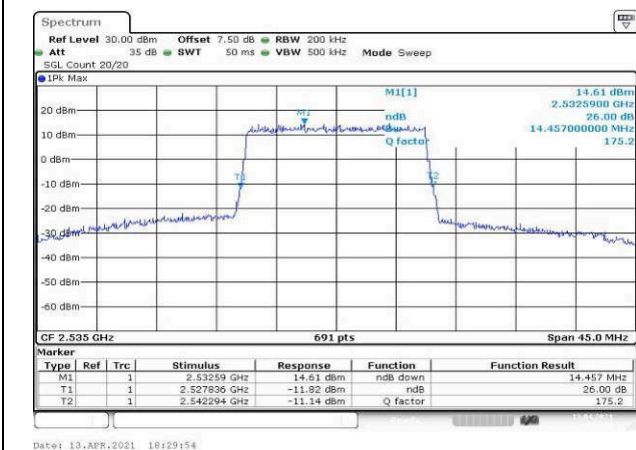


Fig.23

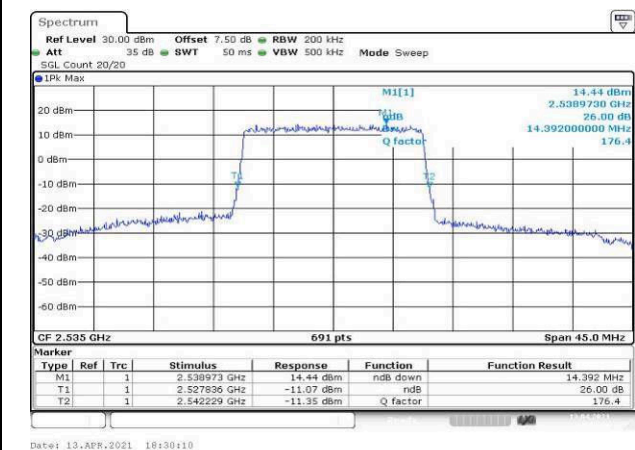


Fig.24

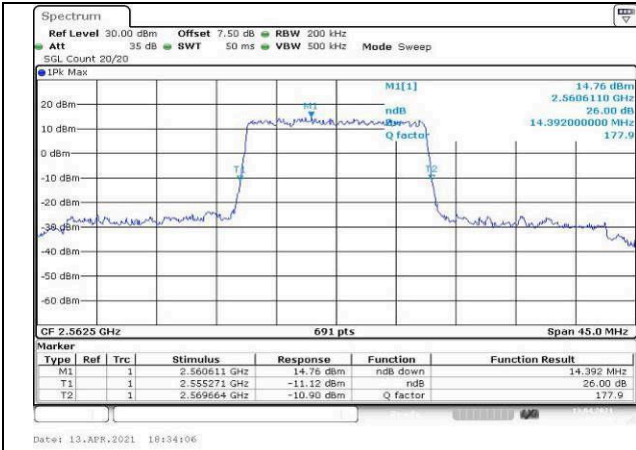


Fig.25

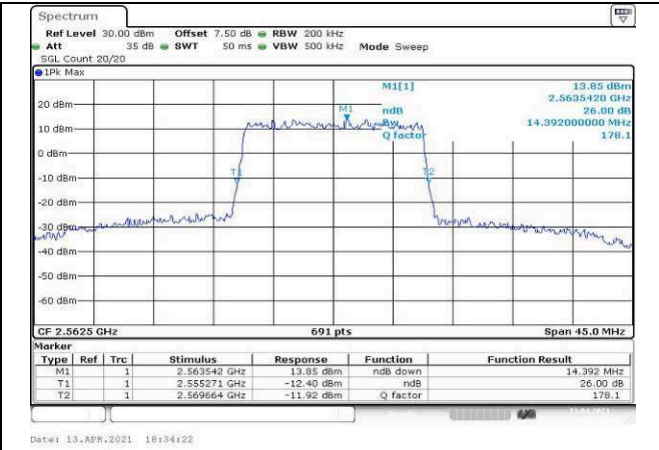


Fig.26

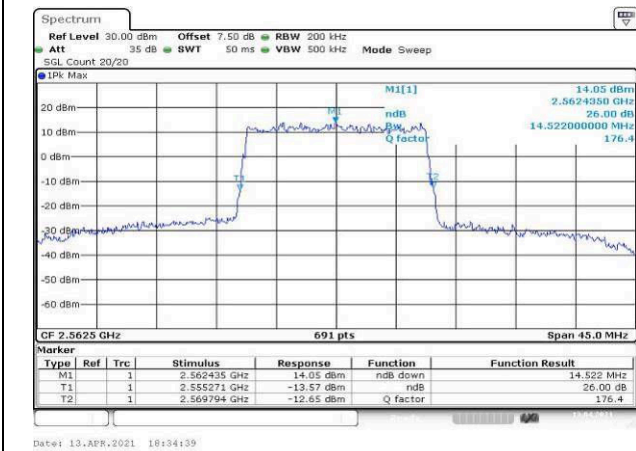


Fig.27

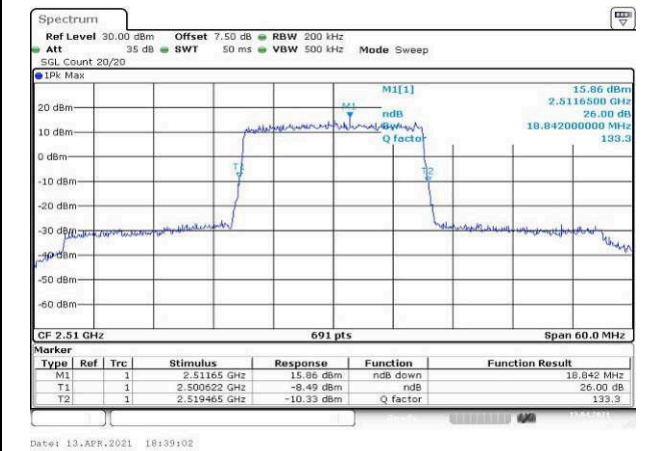


Fig.28

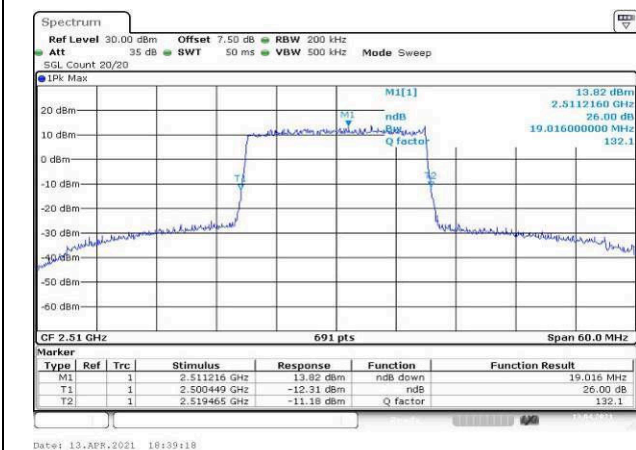


Fig.29

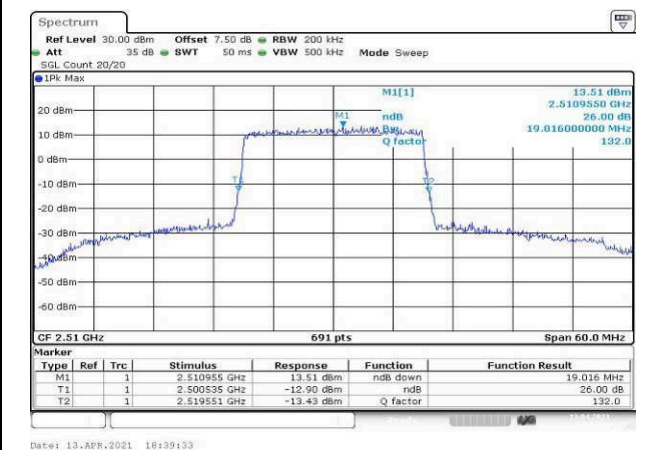


Fig.30

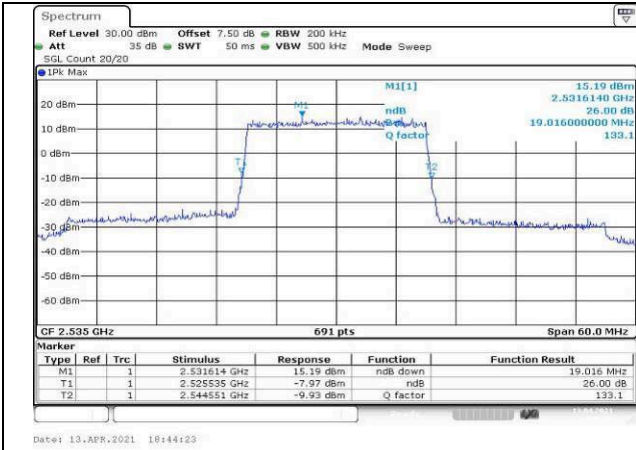


Fig.31

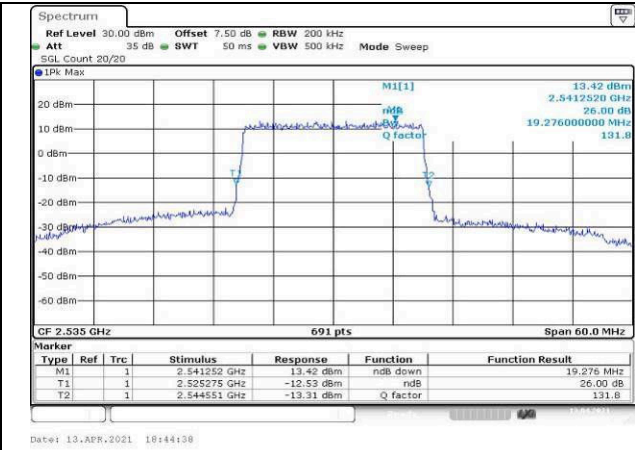


Fig.32

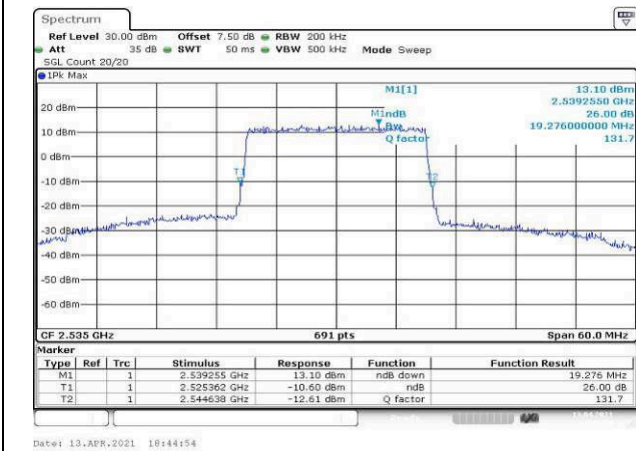


Fig.33

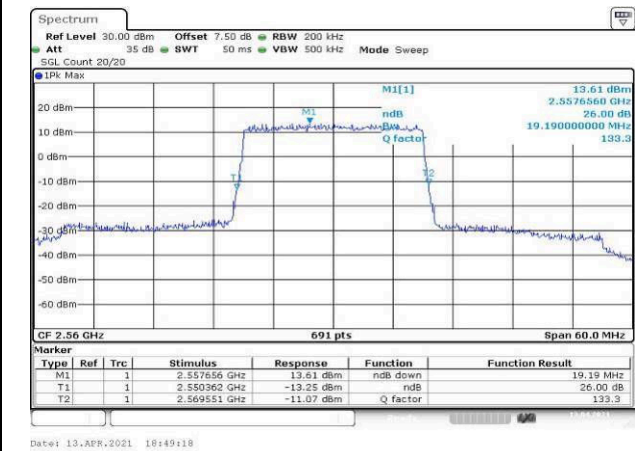


Fig.34

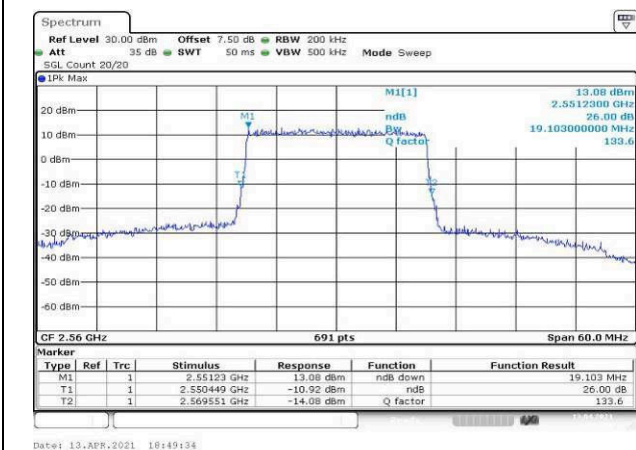


Fig.35

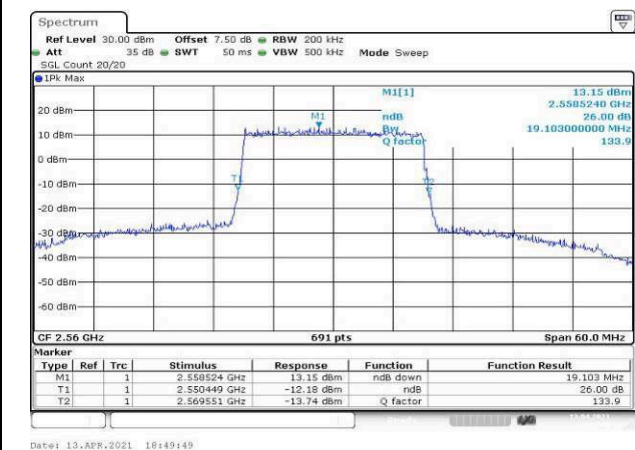


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
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	

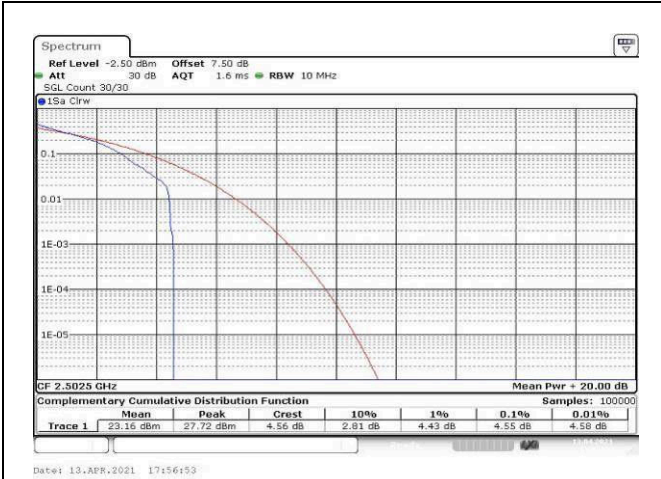


Fig.1

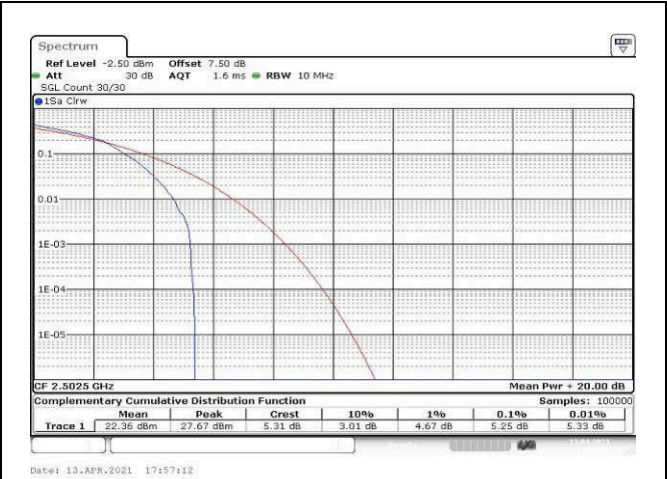


Fig.2

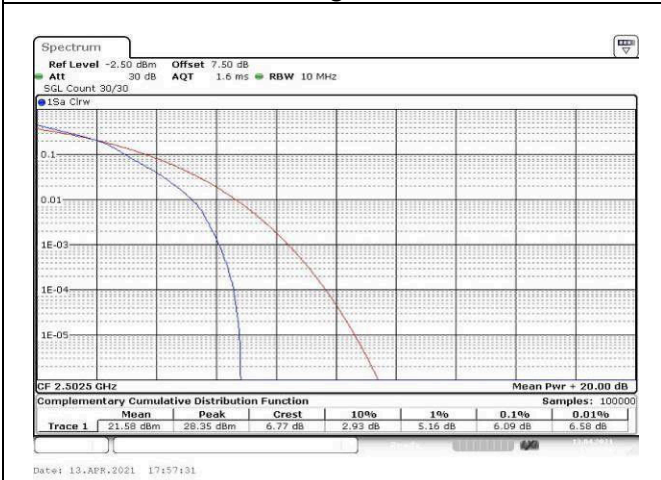


Fig.3

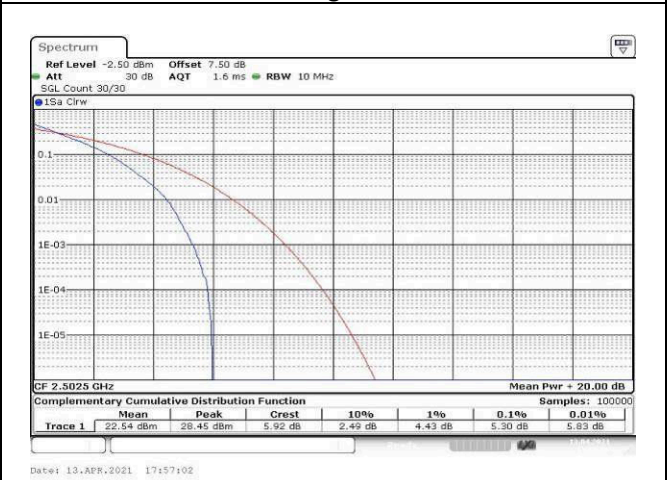


Fig.4

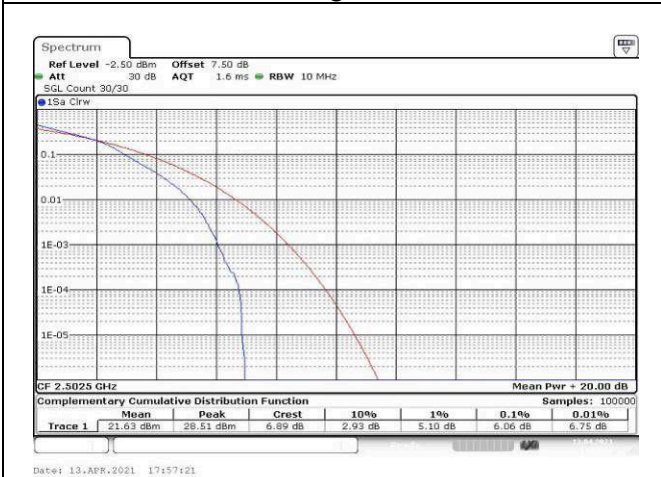


Fig.5

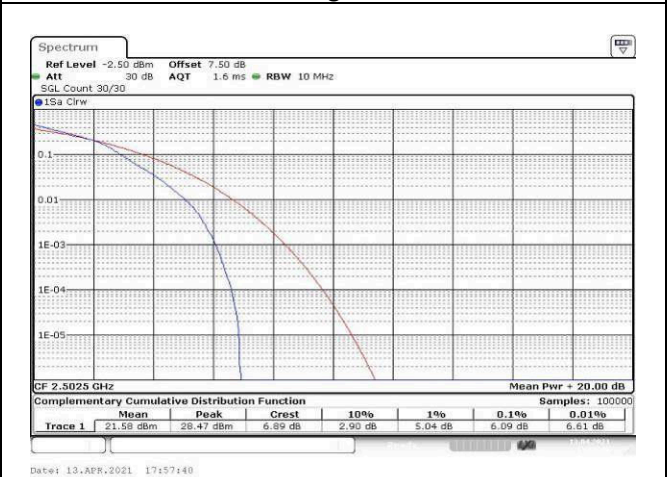


Fig.6