

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	22.53
				1	12	22.62
				1	24	22.60
				12	0	22.02
				12	7	22.05
				12	13	22.05
				25	0	22.07
	2535	21100		1	0	22.80
				1	12	22.85
				1	24	22.84
				12	0	22.46
				12	7	22.38
				12	13	22.38
				25	0	22.47
	2567.5	21425		1	0	22.74
				1	12	23.07
				1	24	23.06
				12	0	22.35
				12	7	22.28
				12	13	22.28
				25	0	22.27
16QAM	2502.5	20775	1	0	21.61	
			1	12	21.84	
			1	24	21.85	
			12	0	21.23	
			12	7	21.27	
			12	13	21.18	
			25	0	21.29	
	2535	21100	1	0	23.05	
			1	12	23.08	
			1	24	23.08	
			12	0	21.57	
			12	7	21.52	
			12	13	21.52	
			25	0	21.56	
	2567.5	21425	1	0	21.92	
			1	12	22.04	
			1	24	22.04	
			12	0	21.24	
			12	7	21.40	
			12	13	21.41	
			25	0	21.45	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	21.29
				1	12	21.29
				1	24	21.28
				12	0	21.28
				12	7	21.28
				12	13	21.28
				25	0	21.28
	2535	21100		1	0	21.55
				1	12	21.75
				1	24	21.75
				12	0	21.75
				12	7	21.75
				12	13	21.75
				25	0	21.75
	2567.5	21425		1	0	21.45
				1	12	21.45
				1	24	21.45
				12	0	21.45
				12	7	21.45
				12	13	21.45
				25	0	21.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	22.46
				1	25	22.51
				1	49	22.50
				25	0	22.20
				25	12	22.23
				25	25	22.23
	2535	21100		50	0	22.22
				1	0	23.07
				1	25	23.35
				1	49	23.35
				25	0	22.50
				25	12	22.54
	2565	21400		25	25	22.54
				50	0	22.46
				1	0	22.49
				1	25	23.28
				1	49	23.28
				25	0	22.38
16QAM	2505	20800	25	12	22.38	
			25	25	22.38	
			50	0	22.34	
			1	0	22.04	
			1	25	22.14	
			1	49	22.14	
	2535	21100	25	0	21.42	
			25	12	21.37	
			25	25	21.37	
			50	0	21.40	
			1	0	22.68	
			1	25	22.96	
	2565	21400	1	49	22.96	
			25	0	21.77	
			25	12	21.79	
			25	25	21.79	
			50	0	21.73	
			1	0	21.65	
			1	25	22.46	
			1	49	22.46	
			25	0	21.62	
			25	12	21.73	
			25	25	21.73	
			50	0	21.42	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	21.41
				1	25	21.40
				1	49	21.40
				25	0	21.29
				25	12	21.29
				25	25	21.29
				50	0	21.29
	2535	21100		1	0	21.72
				1	25	21.72
				1	49	21.73
				25	0	21.72
				25	12	21.64
				25	25	21.64
				50	0	21.64
	2565	21400		1	0	21.42
				1	25	21.42
				1	49	21.42
				25	0	21.42
				25	12	21.42
				25	25	21.42
				50	0	21.42
				50	0	21.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	22.33
				1	37	22.21
				1	74	22.20
				36	0	22.14
				36	29	22.04
				36	30	22.15
	2535	21100		75	0	22.09
				1	0	23.01
				1	37	23.31
				1	74	23.43
				36	0	22.52
				36	29	22.34
	2562.5	21375		36	30	22.45
				75	0	22.45
				1	0	22.28
				1	37	23.11
				1	74	23.11
				36	0	22.27
16QAM	2507.5	20825	36	29	22.36	
			36	30	22.35	
			75	0	22.25	
			1	0	21.94	
			1	37	21.84	
			1	74	21.84	
	2535	21100	36	0	21.34	
			36	29	21.24	
			36	30	21.24	
			75	0	21.30	
			1	0	22.36	
			1	37	22.69	
	2562.5	21375	1	74	22.69	
			36	0	21.60	
			36	29	21.53	
			36	30	21.53	
			75	0	21.55	
			1	0	21.82	
			1	37	22.59	
			1	74	22.59	
			36	0	21.33	
			36	29	21.38	
			36	30	21.39	
			75	0	21.20	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	21.30
				1	37	21.30
				1	74	21.30
				36	0	21.30
				36	29	21.29
				36	30	21.30
				75	0	21.29
	2535	21100		1	0	21.55
				1	37	21.55
				1	74	21.55
				36	0	21.54
				36	29	21.55
				36	30	21.55
				75	0	21.55
	2562.5	21375		1	0	21.20
				1	37	21.20
				1	74	21.20
				36	0	21.19
				36	29	21.19
				36	30	21.19
				75	0	21.19
				75	0	21.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	21.02
				1	49	21.56
				1	99	21.56
				50	0	22.16
				50	24	22.18
				50	50	22.08
	2535	21100		100	0	22.18
				1	0	21.68
				1	49	22.70
				1	99	22.69
				50	0	22.55
				50	24	22.39
	2560	21350		50	50	22.39
				100	0	22.46
				1	0	21.29
				1	49	22.37
				1	99	22.37
				50	0	22.45
16QAM	2510	20850	50	24	22.32	
			50	50	22.32	
			100	0	22.42	
			1	0	20.36	
			1	49	20.93	
			1	99	20.93	
	2535	21100	50	0	21.41	
			50	24	21.34	
			50	50	21.34	
			100	0	21.45	
			1	0	20.93	
			1	49	21.95	
	2560	21350	1	99	21.84	
			50	0	21.69	
			50	24	21.55	
			50	50	21.55	
			100	0	21.36	
			1	0	20.94	
			1	49	22.01	
			1	99	22.01	
			50	0	21.52	
			50	24	21.36	
			50	50	21.36	
			100	0	21.40	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	21.46
				1	49	21.45
				1	99	21.44
				50	0	21.45
				50	24	21.44
				50	50	21.45
	100	0		21.46		
	2535	21100		1	0	21.36
				1	49	21.36
				1	99	21.36
				50	0	21.36
				50	24	21.36
				50	50	21.36
	100	0		21.36		
	2560	21350		1	0	21.41
				1	49	21.41
				1	99	21.41
				50	0	21.41
				50	24	21.40
				50	50	21.40
	100	0		21.40		

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	4.472	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	4.450	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	13.350	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	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2535	21100		100	0	17.800	Fig.31	17.887	Fig.32	17.800	Fig.33
	2560	21350		100	0	17.887	Fig.34	17.887	Fig.35	17.800	Fig.36

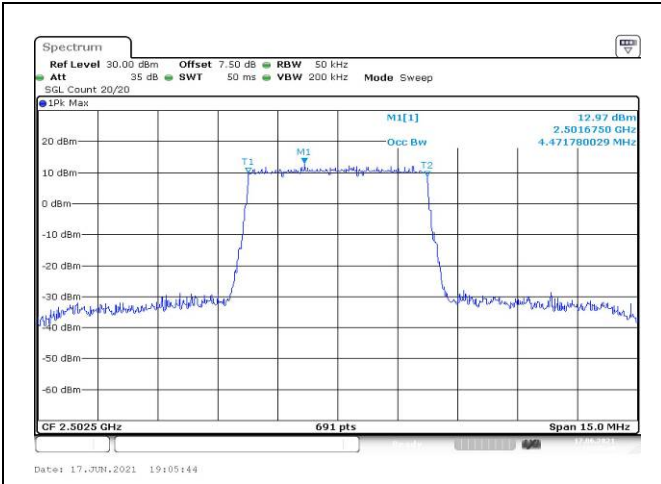


Fig.1

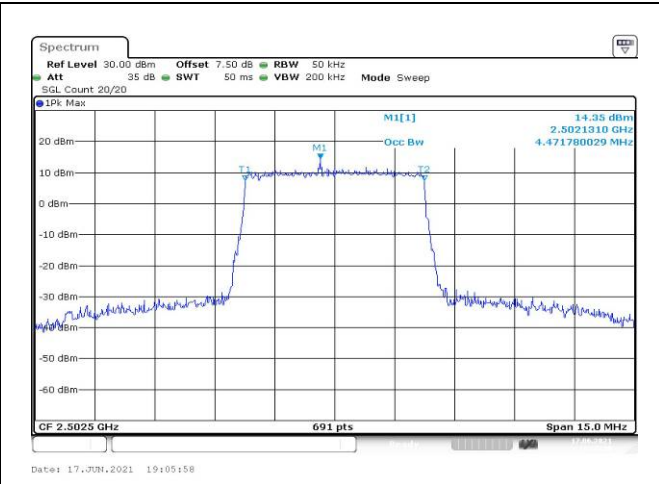


Fig.2

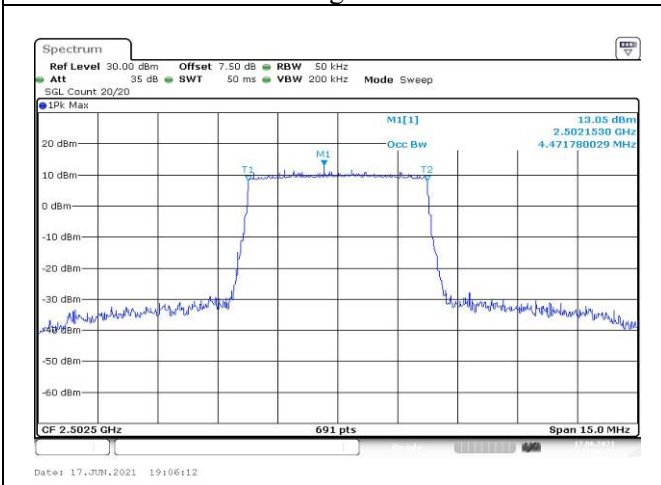


Fig.3

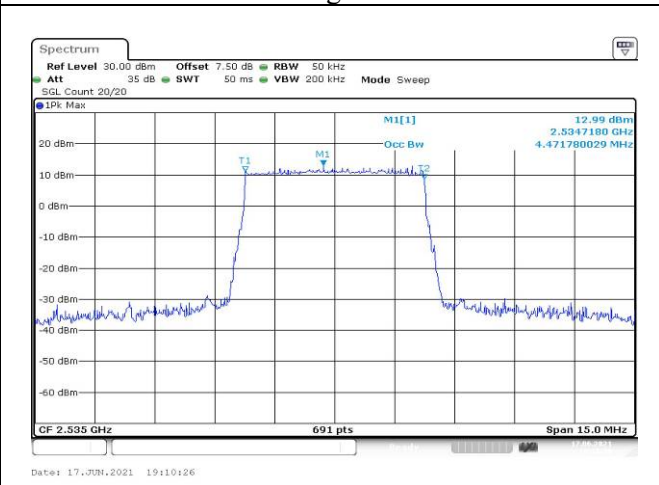


Fig.4

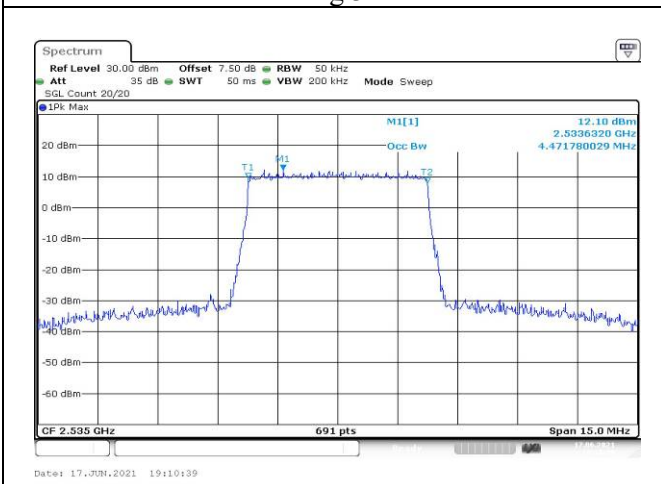


Fig.5

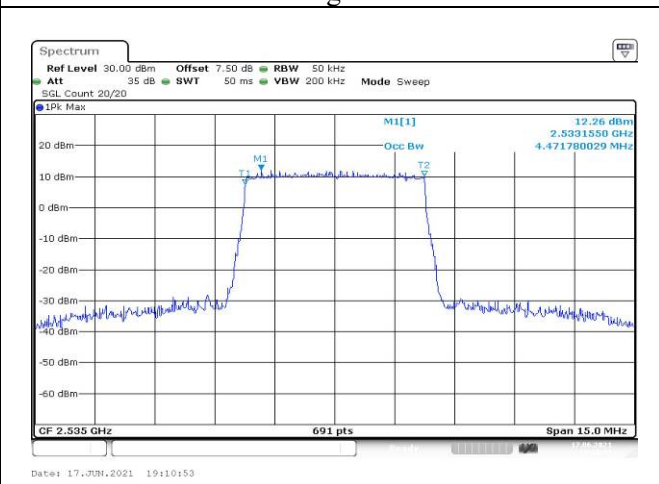


Fig.6

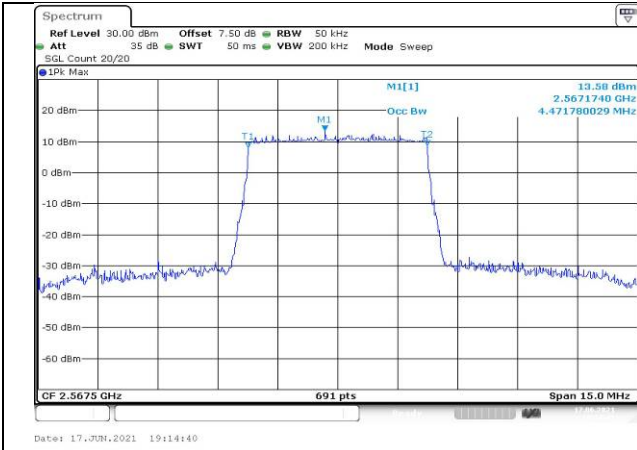


Fig.7

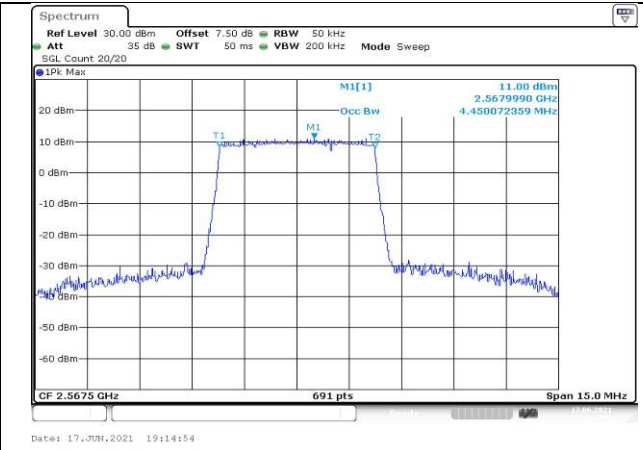


Fig.8

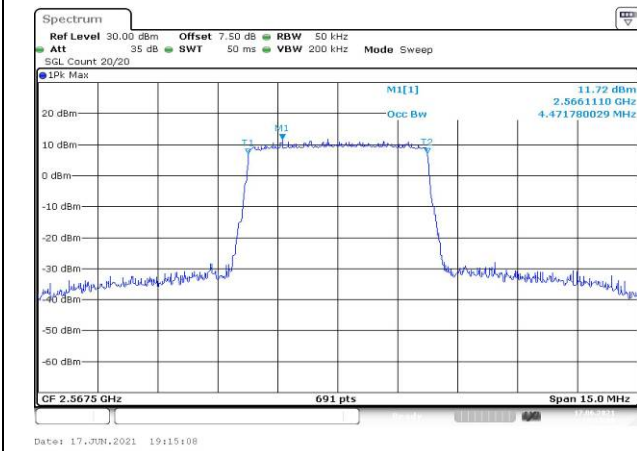


Fig.9

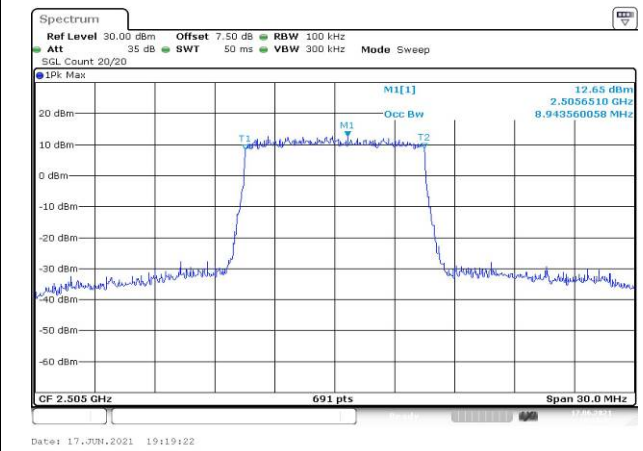


Fig.10

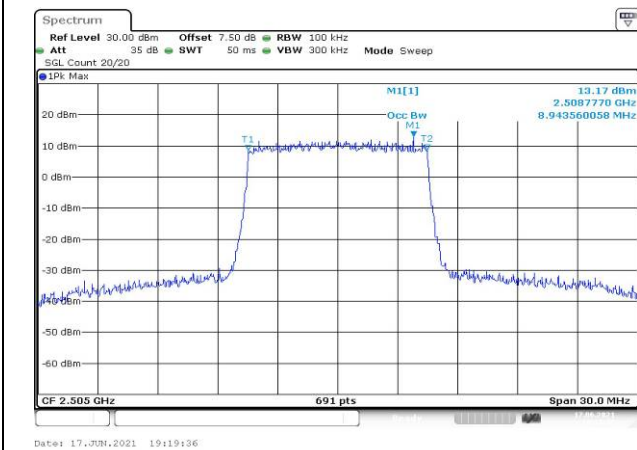


Fig.11

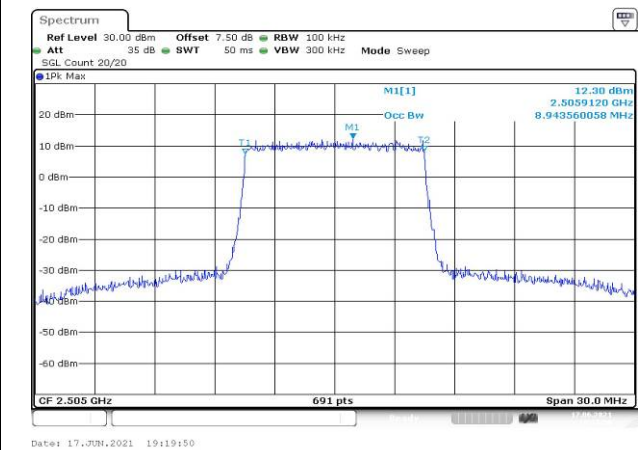


Fig.12

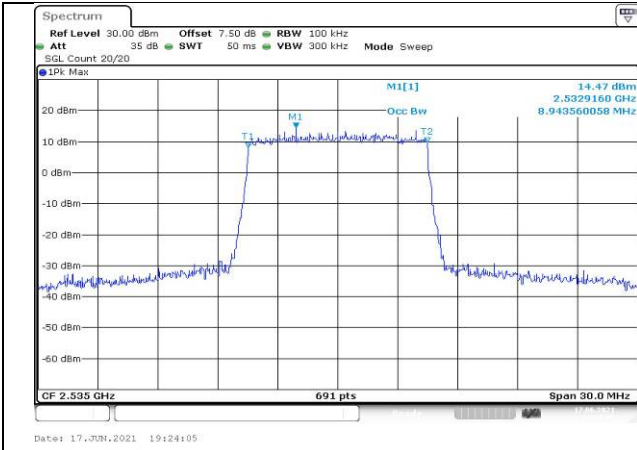


Fig.13

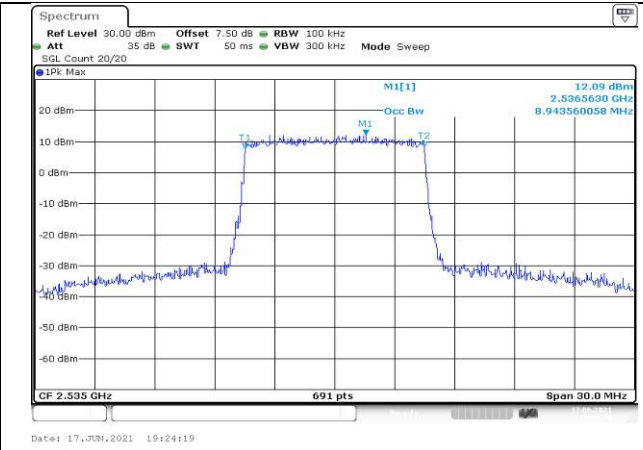


Fig.14

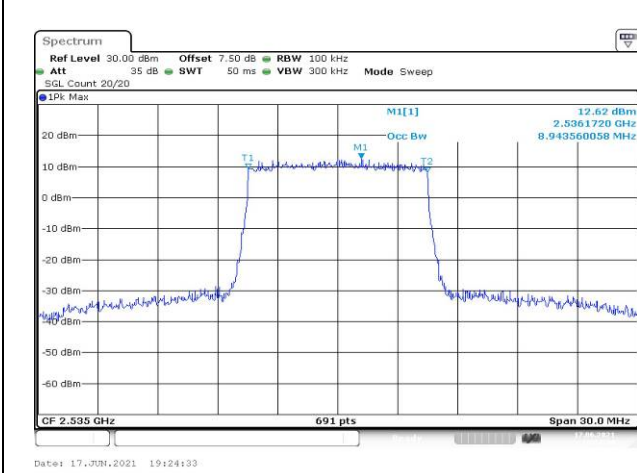


Fig.15

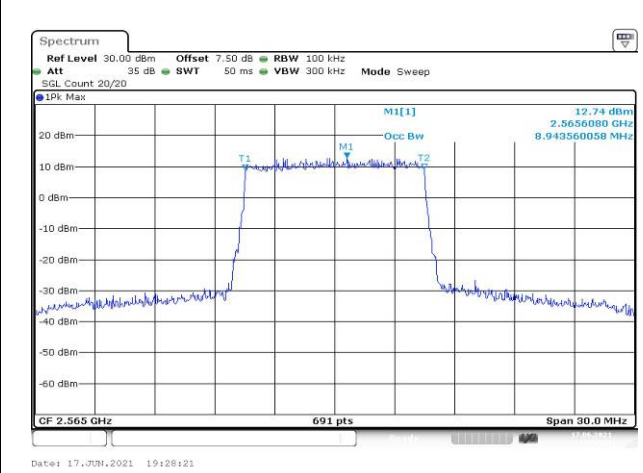


Fig.16

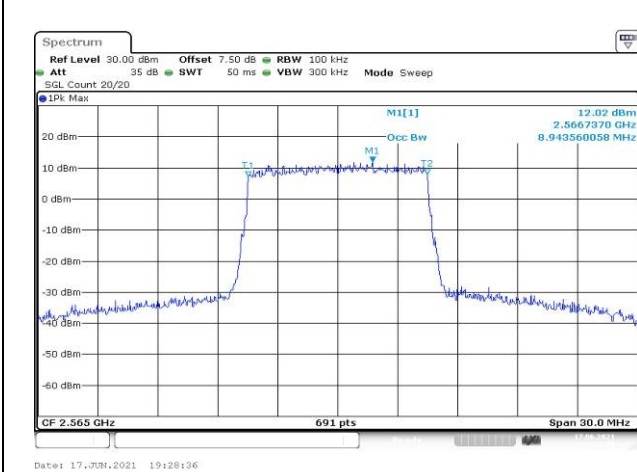


Fig.17

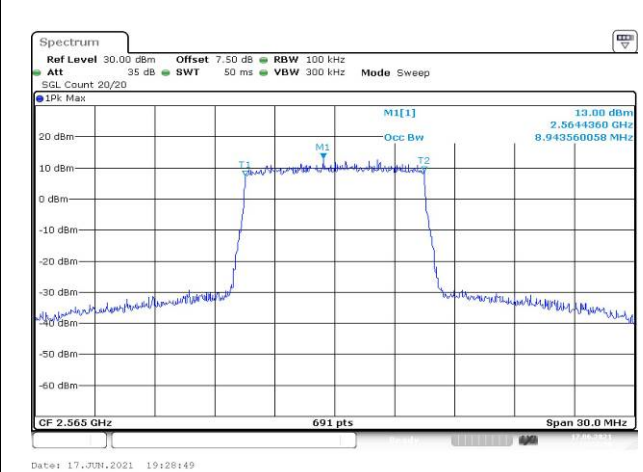


Fig.18

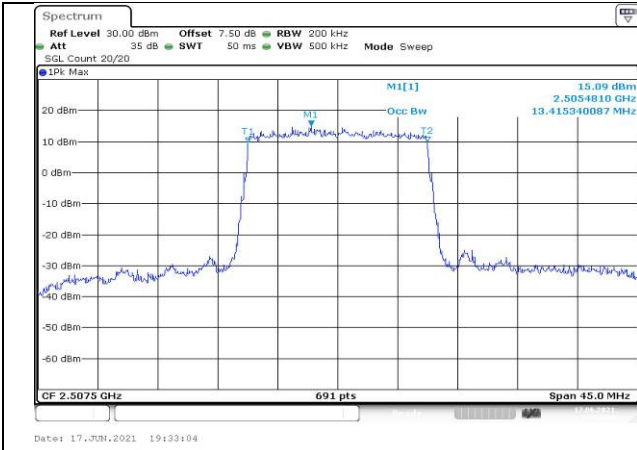


Fig.19

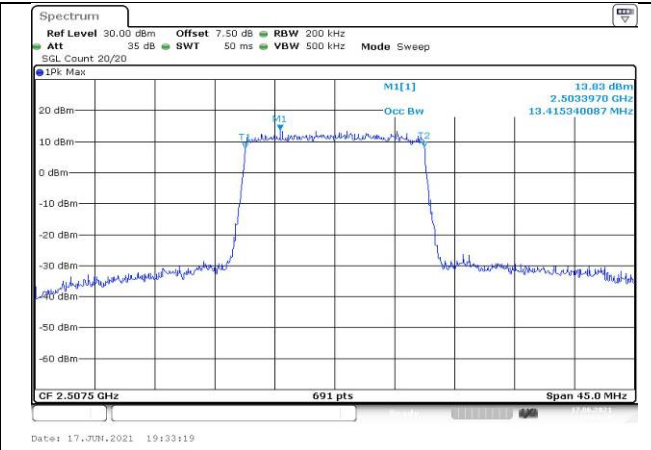


Fig.20

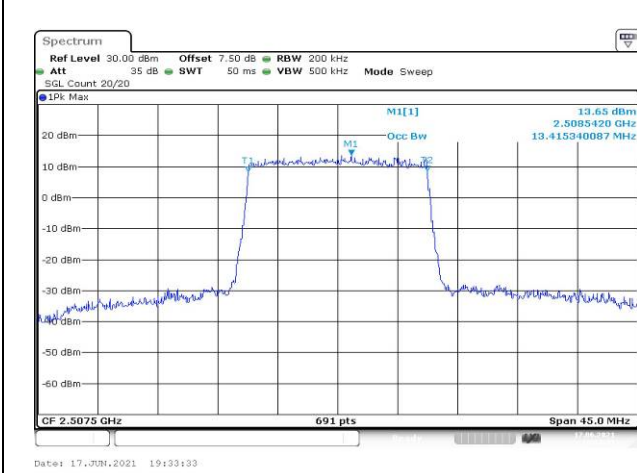


Fig.21

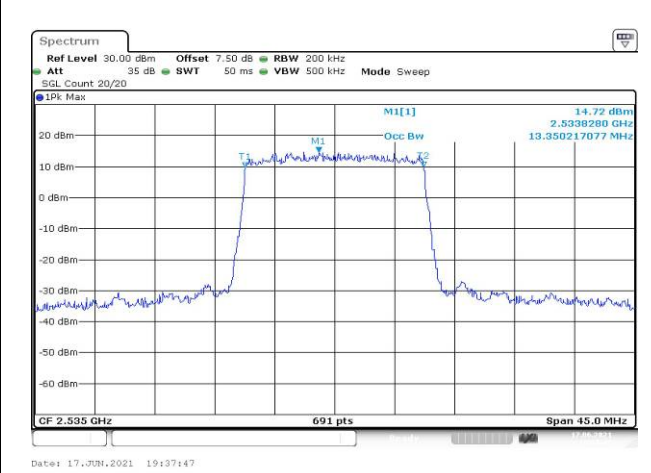


Fig.22

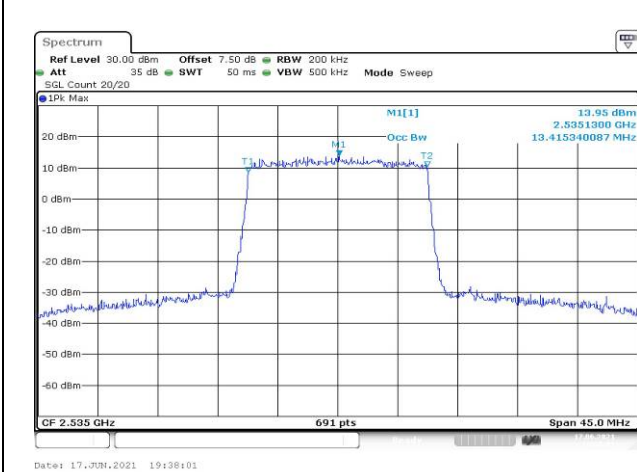


Fig.23

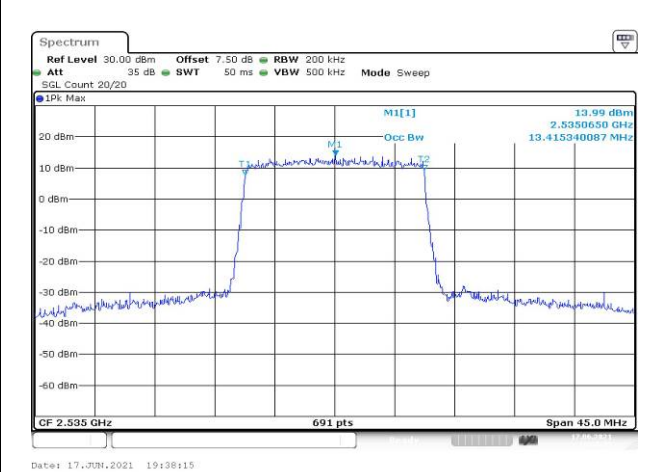


Fig.24

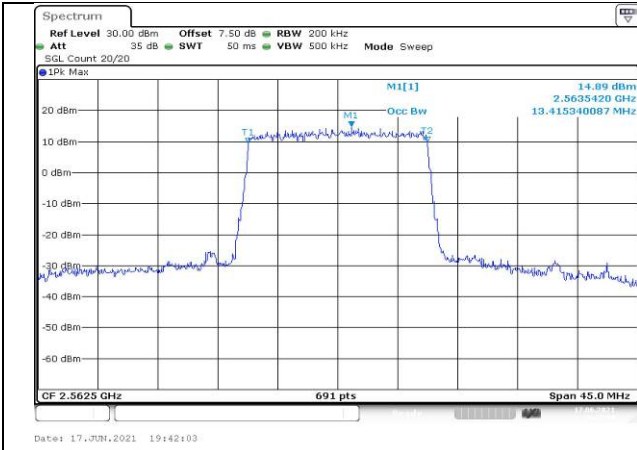


Fig.25

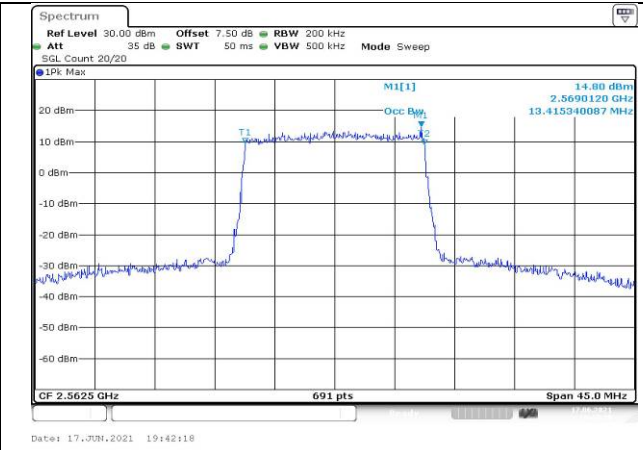


Fig.26

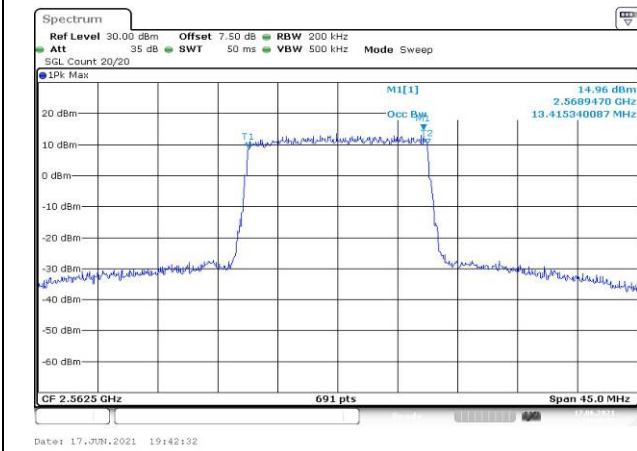


Fig.27

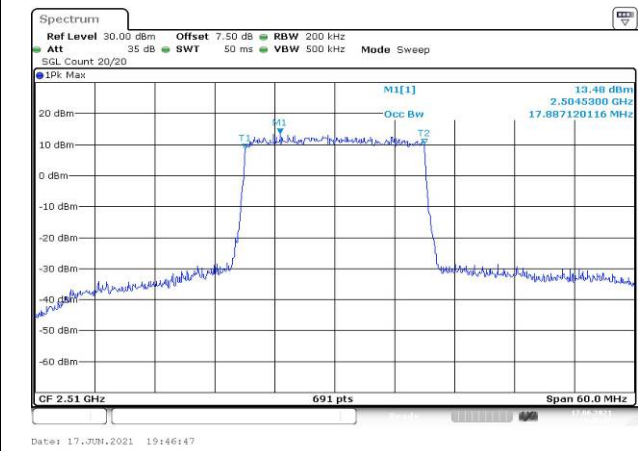


Fig.28

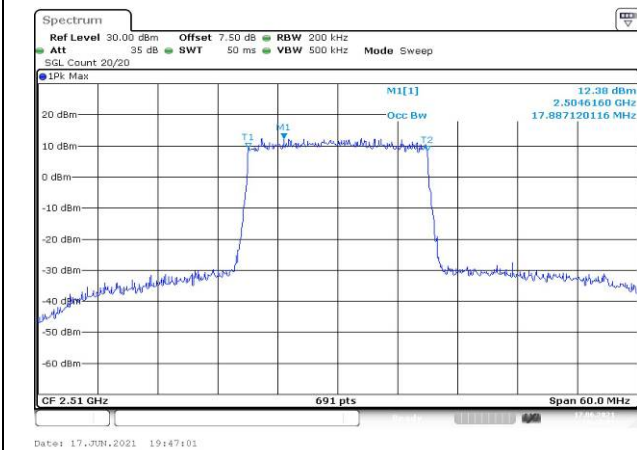


Fig.29

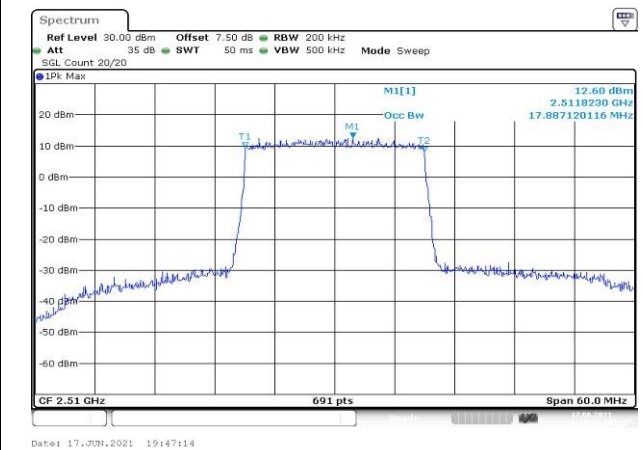


Fig.30

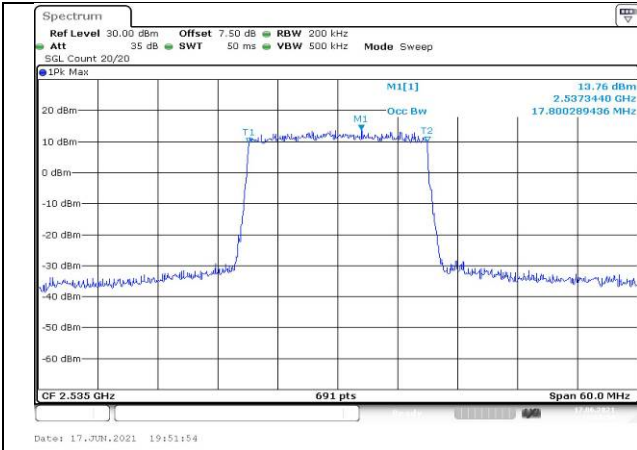


Fig.31

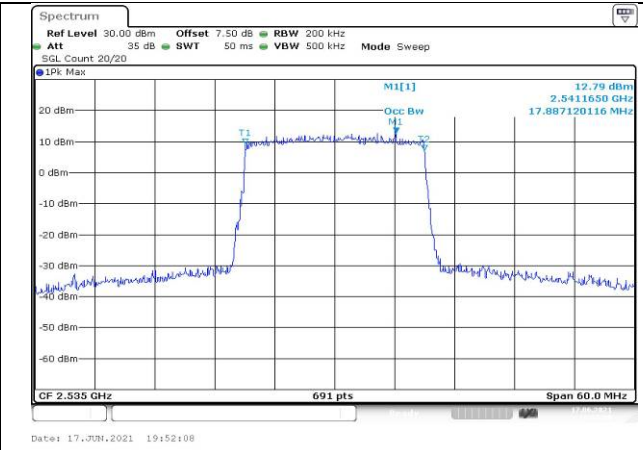


Fig.32

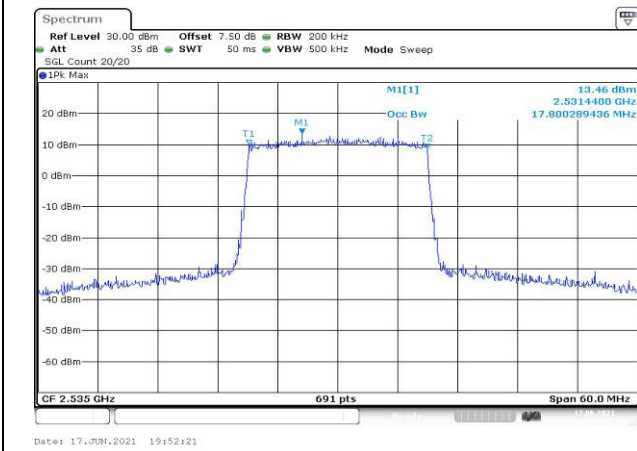


Fig.33

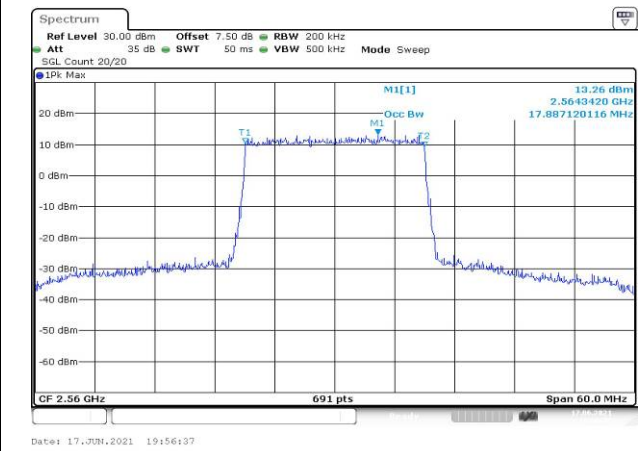


Fig.34

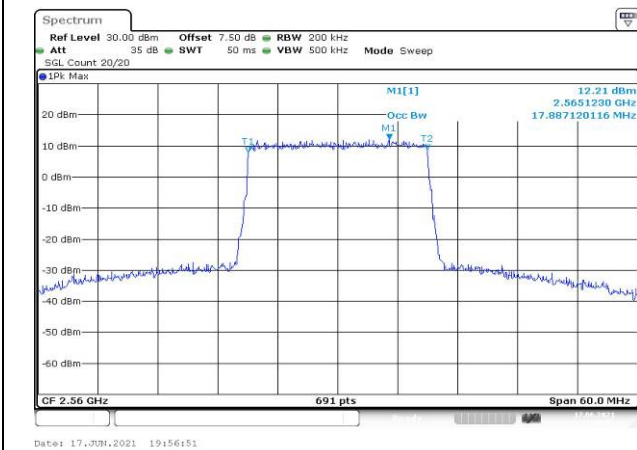


Fig.35

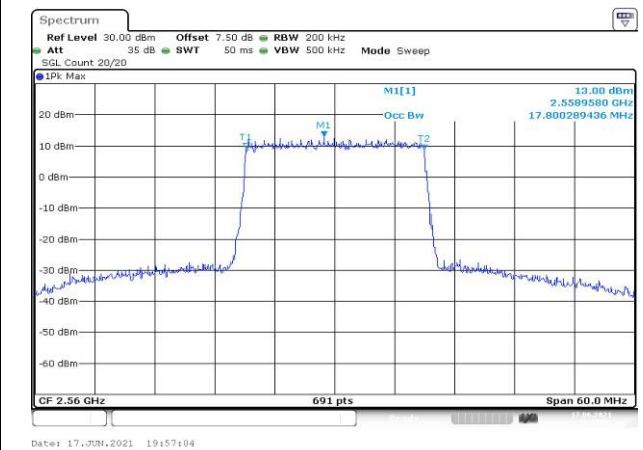


Fig.36

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	4.841	Fig.1	4.797	Fig.2	4.841	Fig.3
	2535	21100		25	0	4.884	Fig.4	4.863	Fig.5	4.884	Fig.6
	2567.5	21425		25	0	4.863	Fig.7	4.906	Fig.8	4.884	Fig.9
	2505	20800	10	50	0	9.682	Fig.10	9.595	Fig.11	9.595	Fig.12
	2535	21100		50	0	9.595	Fig.13	9.551	Fig.14	9.638	Fig.15
	2565	21400		50	0	9.551	Fig.16	9.638	Fig.17	9.638	Fig.18
	2507.5	20825	15	75	0	14.522	Fig.19	14.457	Fig.20	14.457	Fig.21
	2535	21100		75	0	14.457	Fig.22	14.457	Fig.23	14.457	Fig.24
	2562.5	21375		75	0	14.522	Fig.25	14.392	Fig.26	14.392	Fig.27
	2510	20850	20	100	0	19.016	Fig.28	19.190	Fig.29	19.103	Fig.30
	2535	21100		100	0	19.016	Fig.31	19.016	Fig.32	19.016	Fig.33
	2560	21350		100	0	19.276	Fig.34	19.103	Fig.35	19.103	Fig.36

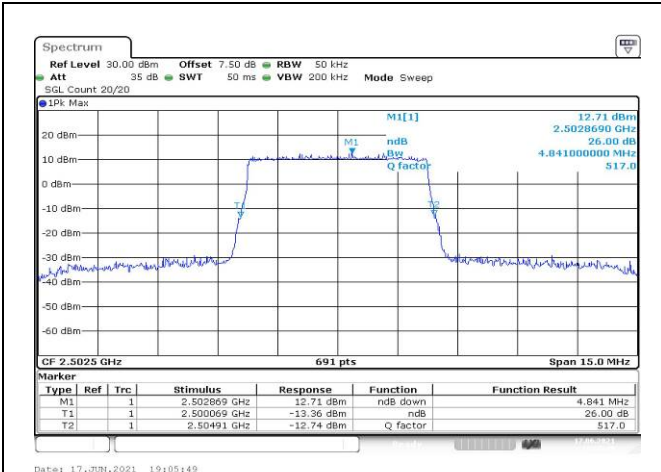


Fig.1

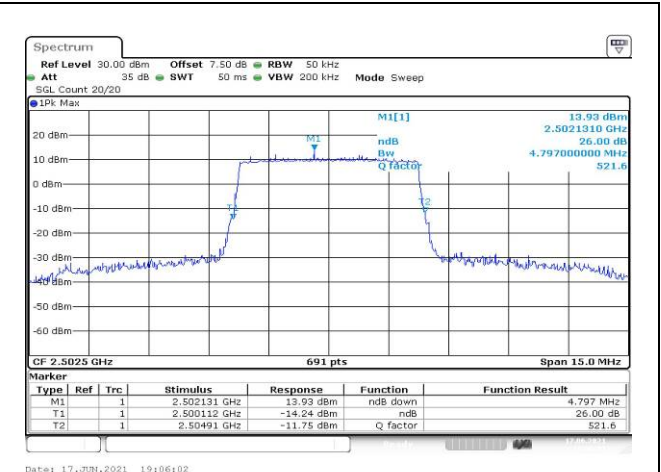


Fig.2

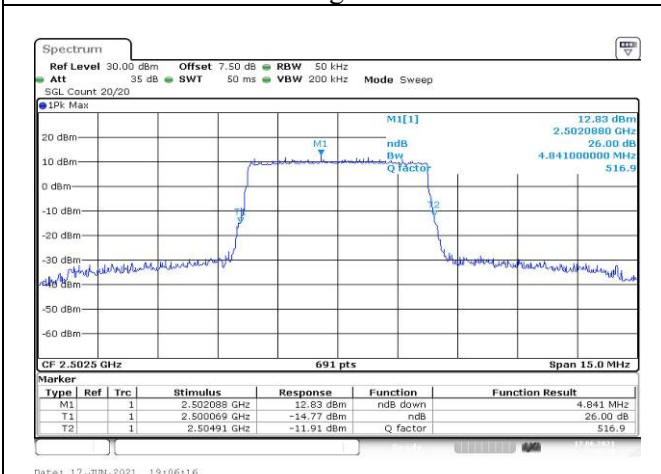


Fig.3

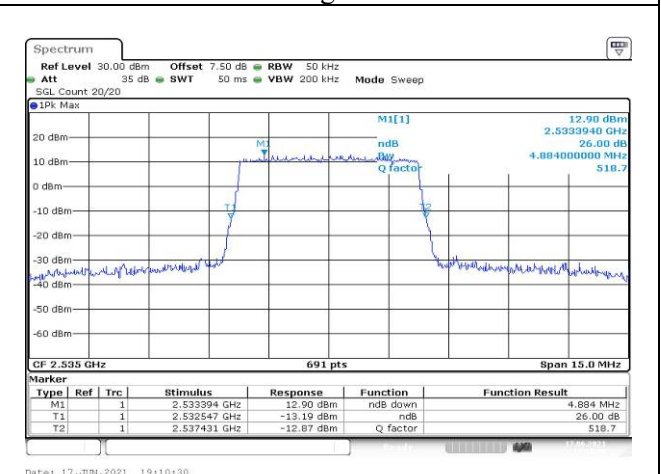


Fig.4

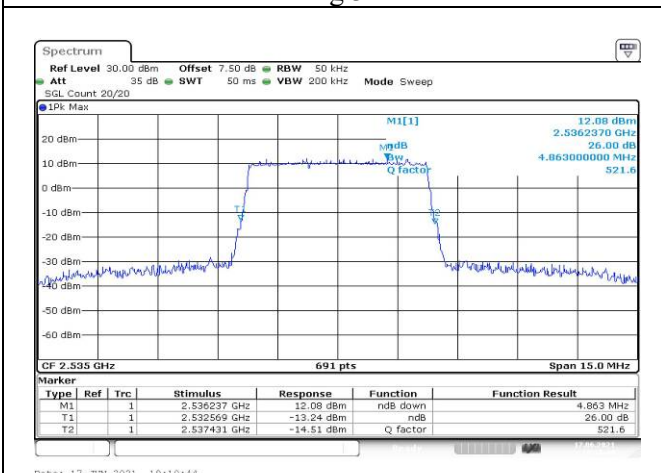


Fig.5

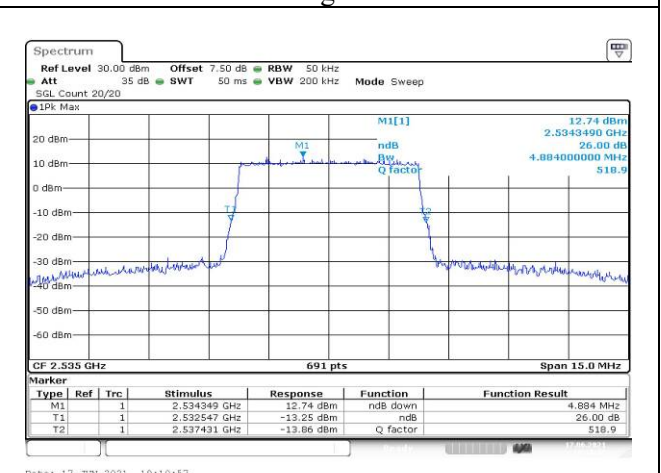


Fig.6