

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2498.5	39675	5	1	0	25.48
				1	12	25.44
				1	24	25.40
				12	0	24.46
				12	7	24.57
				12	13	24.58
	2593	40620		25	0	24.57
				1	0	25.38
				1	12	25.38
				1	24	25.36
				12	0	24.51
				12	7	24.52
	2687.5	41565		12	13	24.51
				25	0	24.49
				1	0	24.71
				1	12	24.76
				1	24	24.76
				12	0	23.90
16QAM	2498.5	39675	12	7	23.87	
			12	13	23.90	
			25	0	23.94	
			1	0	24.85	
			1	12	24.85	
			1	24	24.79	
	2593	40620	12	0	23.59	
			12	7	23.69	
			12	13	23.66	
			25	0	23.68	
			1	0	24.75	
			1	12	24.81	
	2687.5	41565	1	24	24.82	
			12	0	23.51	
			12	7	23.50	
			12	13	23.47	
			25	0	23.56	
			1	0	24.20	
1	12	24.25				
1	24	24.29				
12	0	22.95				
12	7	22.93				
12	13	22.96				
25	0	23.07				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
64QAM	2498.5	39675	5	1	0	23.64	
				1	12	23.63	
				1	24	23.69	
				12	0	23.64	
				12	7	23.69	
				12	13	23.63	
	2593	40620		25	0	23.62	
				1	0	23.64	
				1	12	23.58	
				1	24	23.57	
				12	0	23.58	
				12	7	23.56	
	2687.5	41565		12	13	23.58	
				25	0	23.62	
				1	0	23.05	
				1	12	23.09	
				1	24	23.01	
				12	0	23.07	
					12	7	23.07
					12	13	23.08
					25	0	23.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	25.44
				1	25	25.41
				1	49	25.47
				25	0	24.40
				25	12	24.58
				25	25	24.51
	2593	40620		50	0	24.47
				1	0	25.51
				1	25	25.53
				1	49	25.48
				25	0	24.56
				25	12	24.50
	2685	41540		25	25	24.49
				50	0	24.57
				1	0	24.96
				1	25	24.99
				1	49	24.98
				25	0	23.99
16QAM	2501	39700	25	12	24.04	
			25	25	24.04	
			50	0	24.05	
			1	0	24.52	
			1	25	24.48	
			1	49	24.52	
	2593	40620	25	0	23.46	
			25	12	23.63	
			25	25	23.59	
			50	0	23.55	
			1	0	24.14	
			1	25	24.51	
	2685	41540	1	49	23.99	
			25	0	23.33	
			25	12	23.64	
			25	25	23.32	
			50	0	23.10	
			1	0	23.98	
			1	25	24.06	
			1	49	24.04	
			25	0	23.12	
			25	12	23.08	
			25	25	23.12	
			50	0	23.18	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2501	39700	10	1	0	23.58
				1	25	23.56
				1	49	23.56
				25	0	23.50
				25	12	23.59
				25	25	23.56
				50	0	23.57
	2593	40620		1	0	23.37
				1	25	23.56
				1	49	23.29
				25	0	23.27
				25	12	23.05
				25	25	23.26
				50	0	23.28
	2685	41540		1	0	23.17
				1	25	23.20
				1	49	23.16
				25	0	23.18
				25	12	23.16
				25	25	23.18
				50	0	23.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	25.50
				1	37	25.49
				1	74	25.48
				36	0	24.63
				36	29	24.72
				36	30	24.63
	2593	40620		75	0	24.62
				1	0	25.14
				1	37	25.10
				1	74	25.07
				36	0	24.23
				36	29	24.27
	2682.5	41515		36	30	24.20
				75	0	24.29
				1	0	24.96
				1	37	25.06
				1	74	25.07
				36	0	24.04
16QAM	2503.5	39725	36	29	24.12	
			36	30	24.11	
			75	0	24.13	
			1	0	24.83	
			1	37	24.76	
			1	74	24.69	
	2593	40620	36	0	23.59	
			36	29	23.65	
			36	30	23.69	
			75	0	23.66	
			1	0	24.16	
			1	37	24.11	
	2682.5	41515	1	74	24.13	
			36	0	23.21	
			36	29	23.25	
			36	30	23.32	
			75	0	23.29	
			1	0	23.97	
			1	37	24.03	
			1	74	23.66	
			36	0	23.10	
			36	29	23.18	
			36	30	23.14	
			75	0	23.21	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2503.5	39725	15	1	0	23.73
				1	37	23.73
				1	74	23.73
				36	0	23.68
				36	29	23.67
				36	30	23.67
				75	0	23.67
	2593	40620		1	0	23.30
				1	37	23.35
				1	74	23.27
				36	0	23.33
				36	29	23.24
				36	30	23.31
				75	0	23.29
	2682.5	41515		1	0	23.21
				1	37	23.22
				1	74	23.21
				36	0	23.21
				36	29	23.20
				36	30	23.20
				75	0	23.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	25.40
				1	49	25.36
				1	99	25.41
				50	0	24.55
				50	24	24.63
				50	50	24.65
	2593	40620		100	0	24.54
				1	0	25.08
				1	49	24.99
				1	99	24.86
				50	0	23.69
				50	24	24.00
	2680	41490		50	50	23.73
				100	0	23.76
				1	0	24.29
				1	49	24.42
				1	99	24.42
				50	0	23.46
16QAM	2506	39750	50	24	23.65	
			50	50	23.65	
			100	0	23.60	
			1	0	24.63	
			1	49	24.62	
			1	99	24.54	
	2593	40620	50	0	23.64	
			50	24	23.64	
			50	50	23.73	
			100	0	23.62	
			1	0	23.69	
			1	49	23.68	
	2680	41490	1	99	23.64	
			50	0	22.80	
			50	24	22.76	
			50	50	22.81	
			100	0	22.98	
			1	0	22.91	
			1	49	23.08	
			1	99	23.09	
			50	0	22.60	
			50	24	22.80	
			50	50	22.80	
			100	0	22.75	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2506	39750	20	1	0	23.70
				1	49	23.69
				1	99	23.67
				50	0	23.62
				50	24	23.65
				50	50	23.61
				100	0	23.62
	2593	40620		1	0	23.18
				1	49	22.87
				1	99	23.19
				50	0	22.97
				50	24	22.75
				50	50	22.98
				100	0	23.15
	2680	41490		1	0	22.74
				1	49	22.69
				1	99	22.67
				50	0	22.67
				50	24	22.70
				50	50	22.70
				100	0	22.69

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
41	2498.5	39675	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2593	40620		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	2687.5	41565		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	2501	39700	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2593	40620		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2685	41540		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2503.5	39725	15	75	0	13.415	Fig.19	13.415	Fig.20	13.350	Fig.21
	2593	40620		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2682.5	41515		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2506	39750	20	100	0	17.800	Fig.28	17.887	Fig.29	17.800	Fig.30
	2593	40620		100	0	17.887	Fig.31	17.887	Fig.32	17.800	Fig.33
	2680	41490		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36

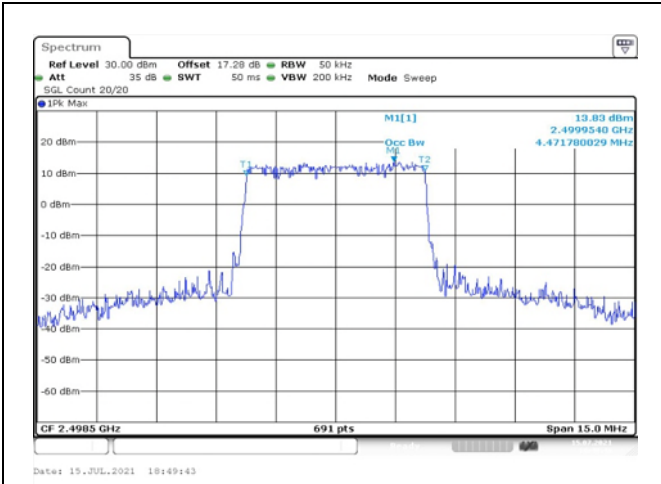


Fig.1

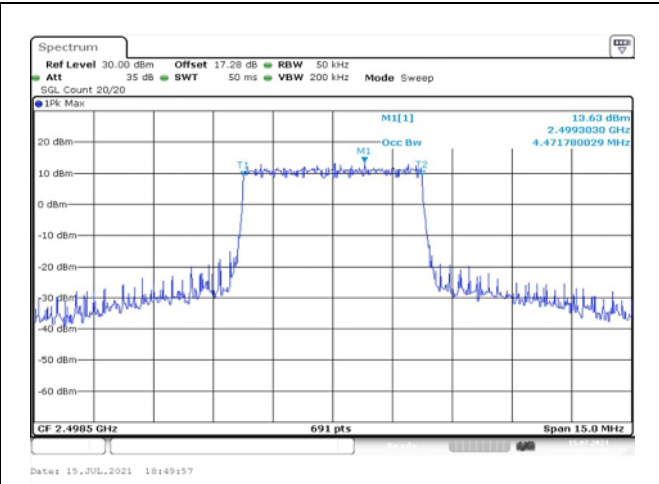


Fig.2

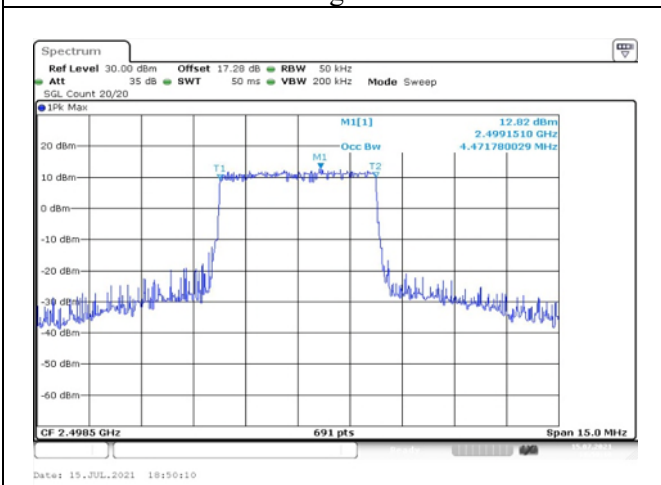


Fig.3

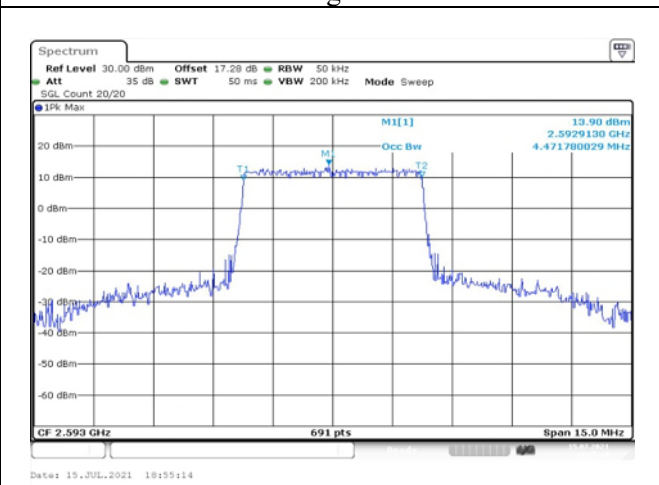


Fig.4

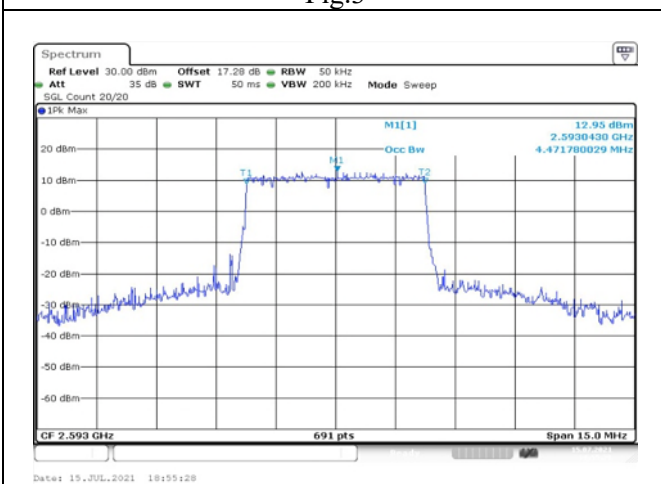


Fig.5

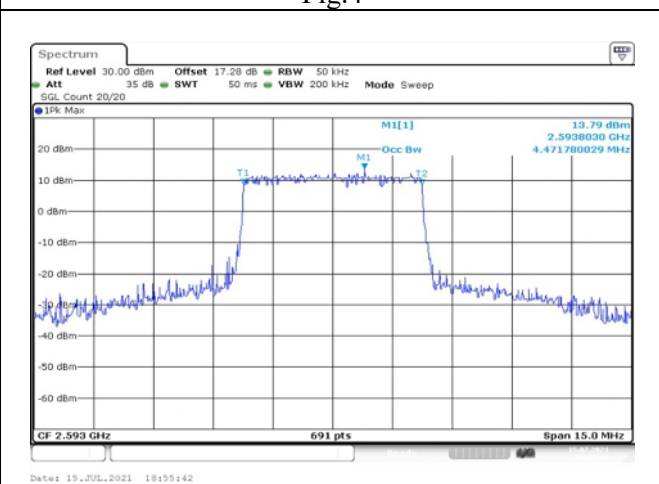


Fig.6

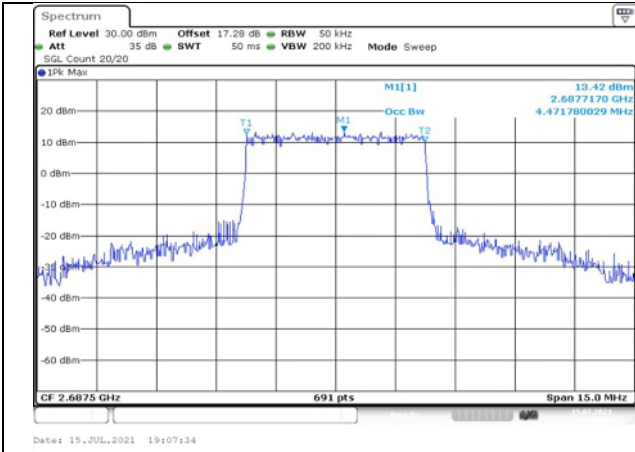


Fig.7

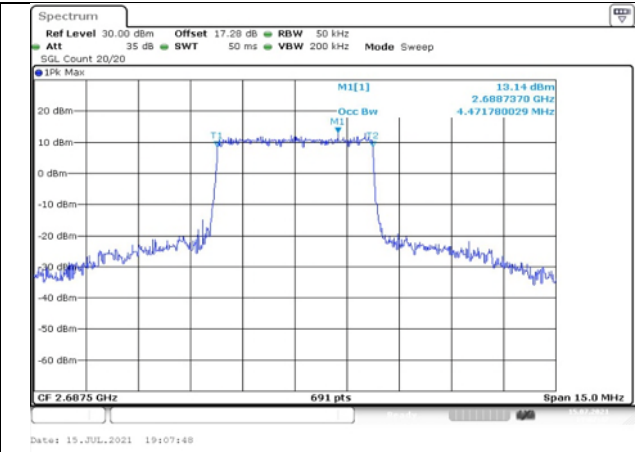


Fig.8

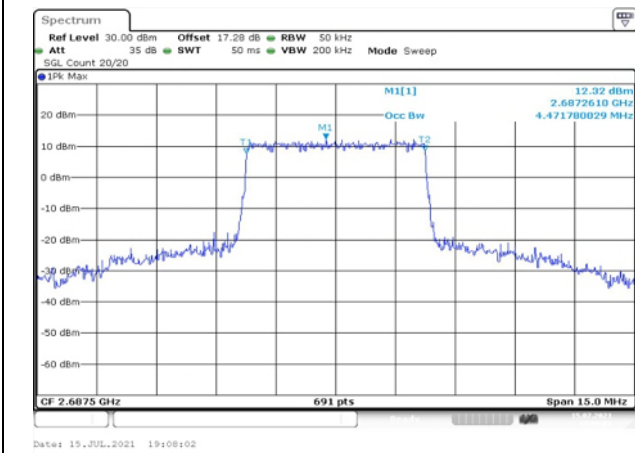


Fig.9

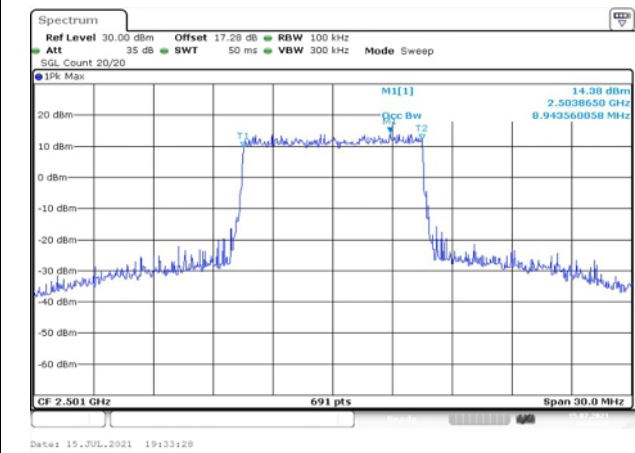


Fig.10

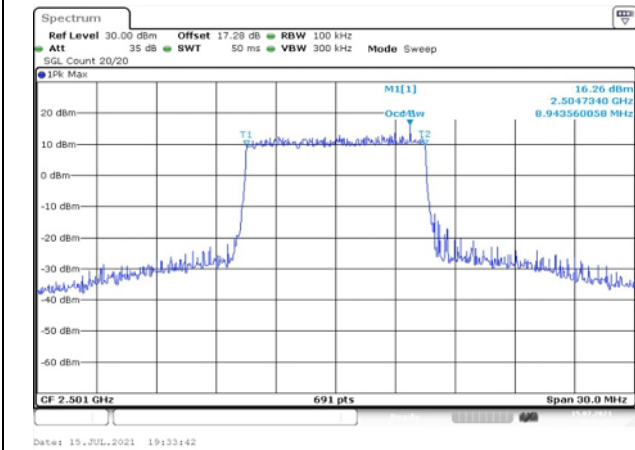


Fig.11

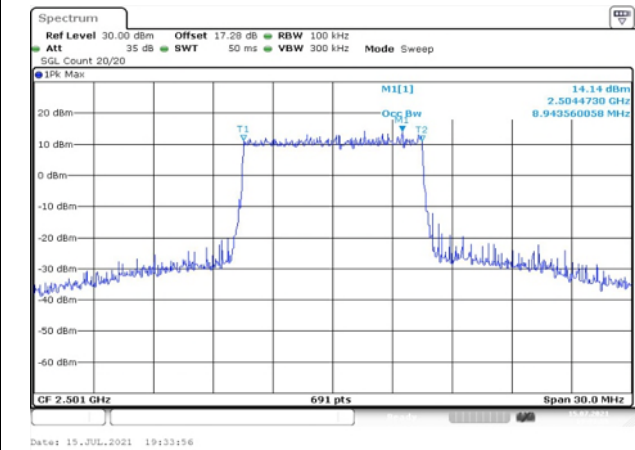


Fig.12

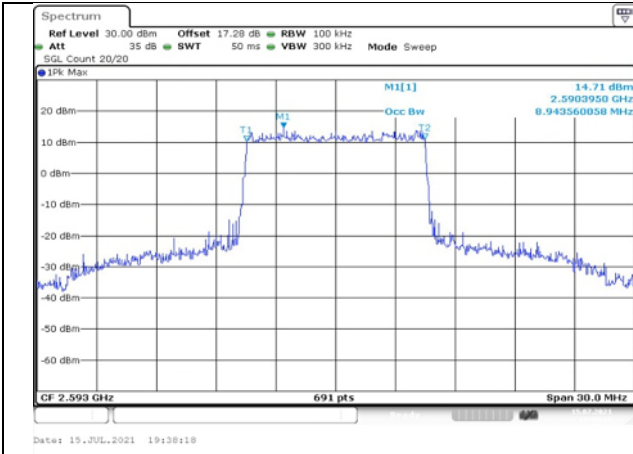


Fig.13

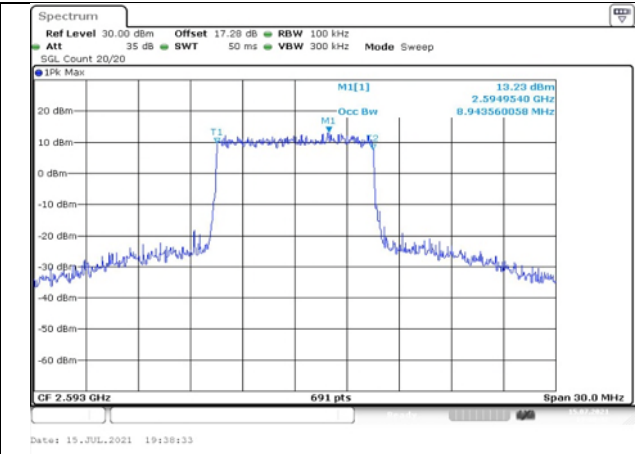


Fig.14

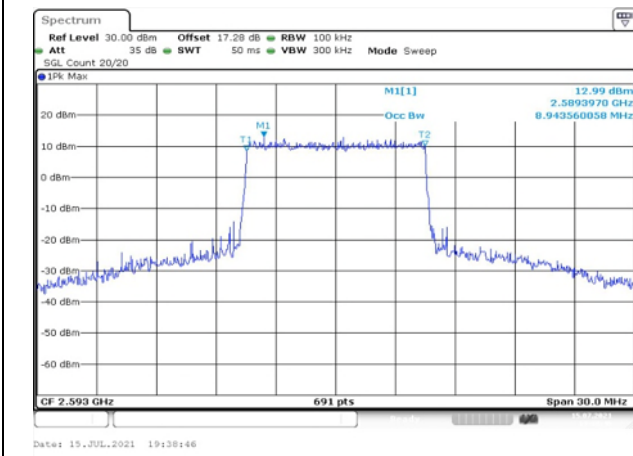


Fig.15



Fig.16

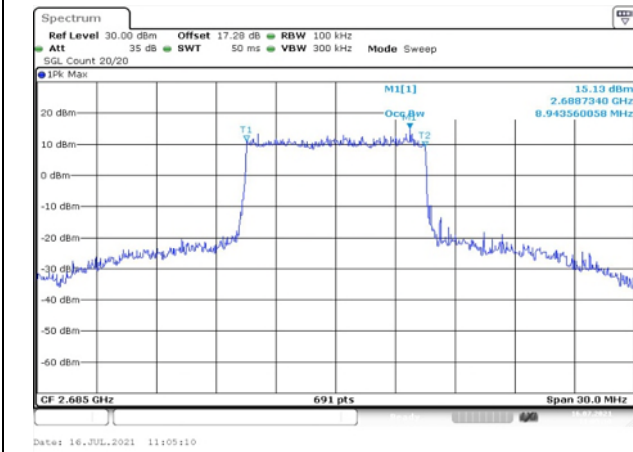


Fig.17

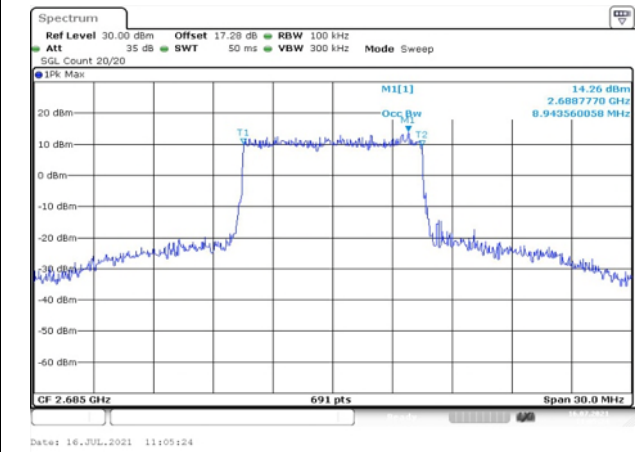


Fig.18

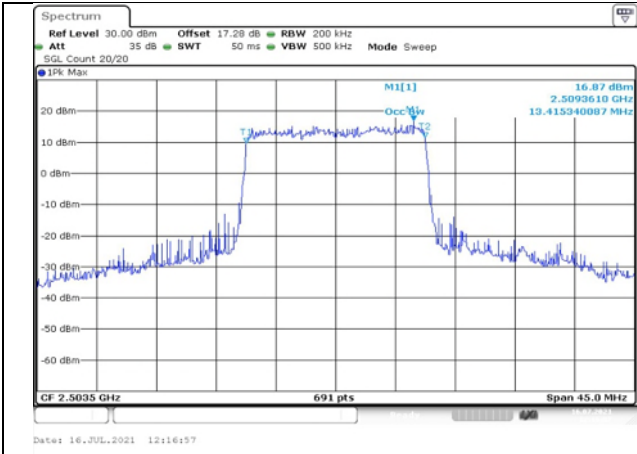


Fig.19

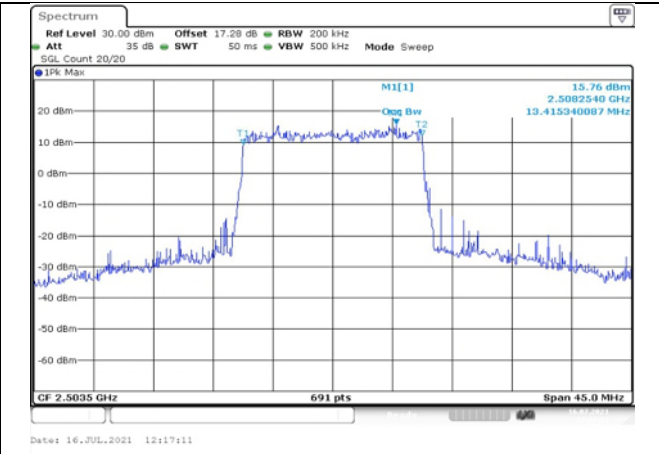


Fig.20

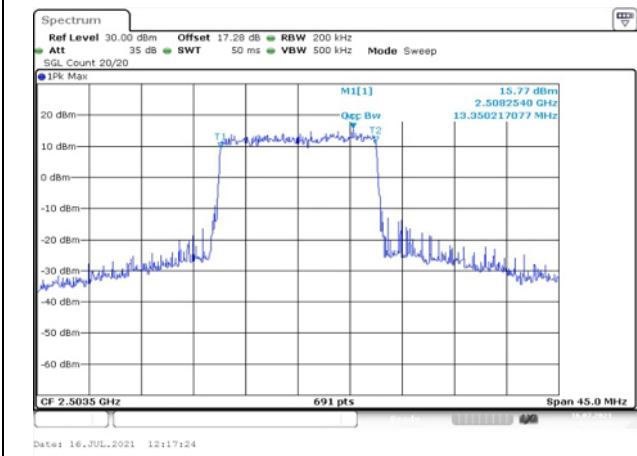


Fig.21

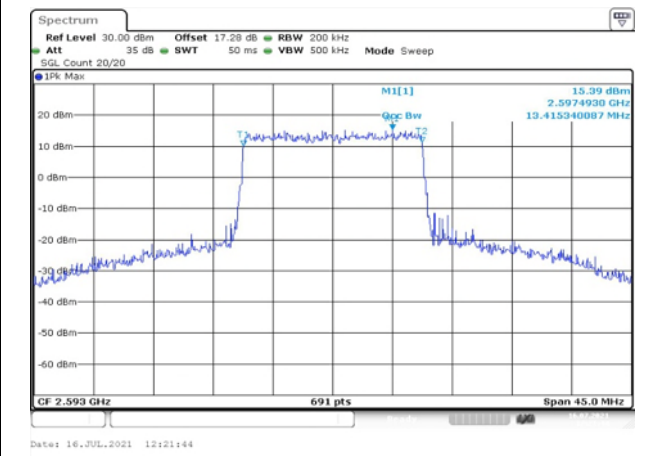


Fig.22

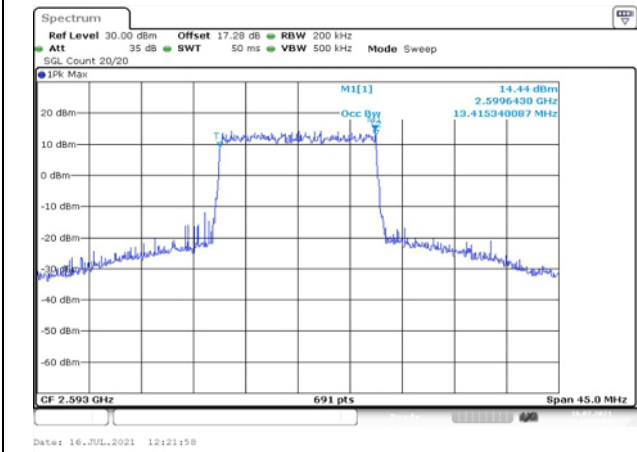


Fig.23

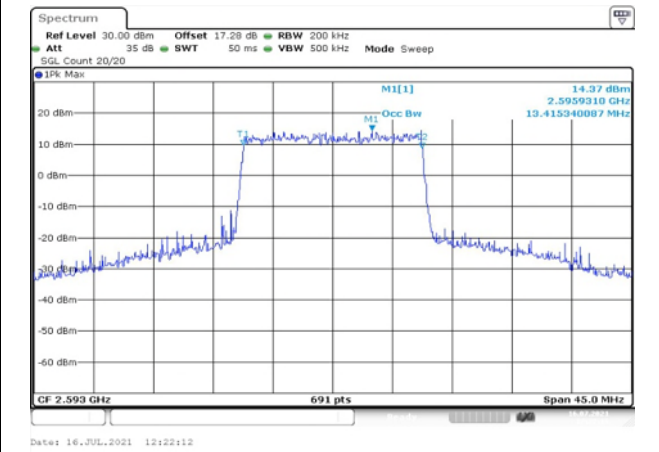


Fig.24

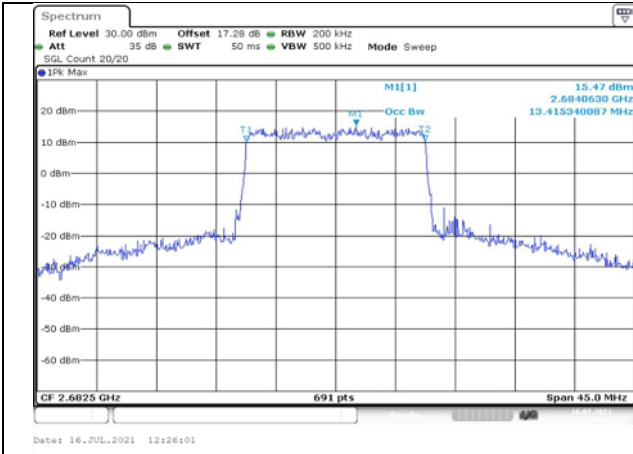


Fig.25

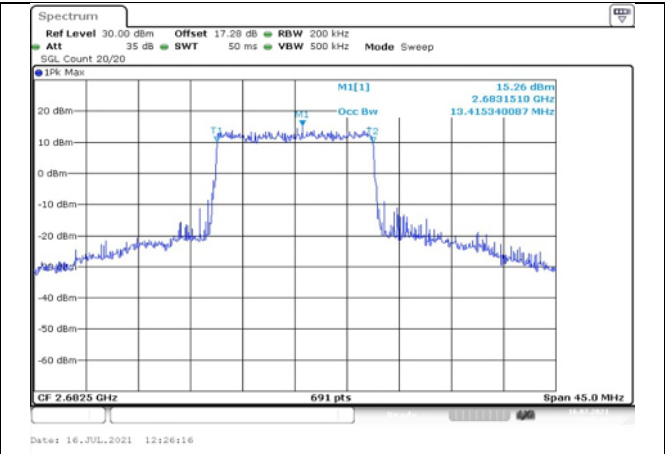


Fig.26

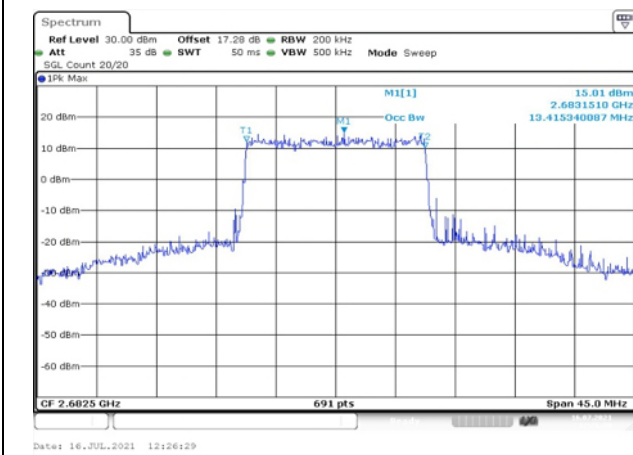


Fig.27

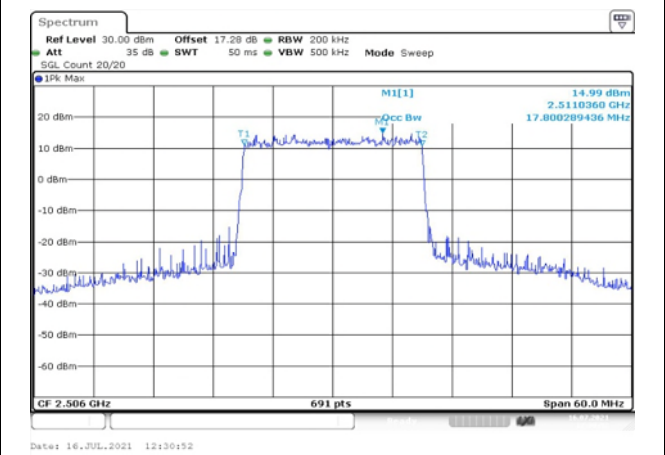


Fig.28

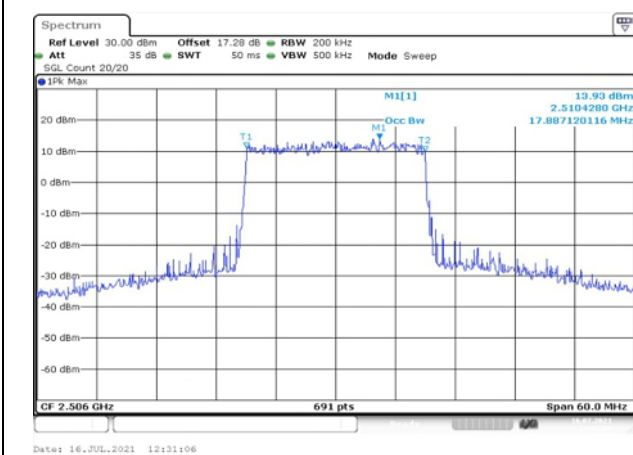


Fig.29

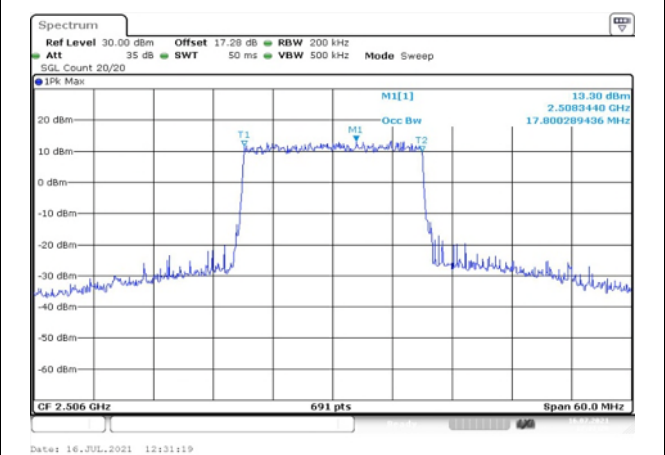


Fig.30

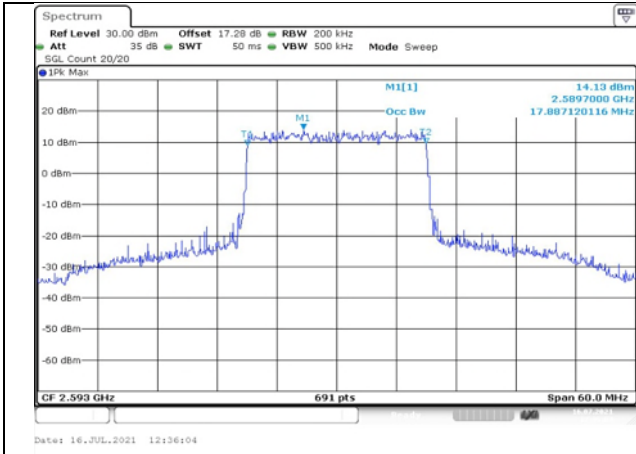


Fig.31

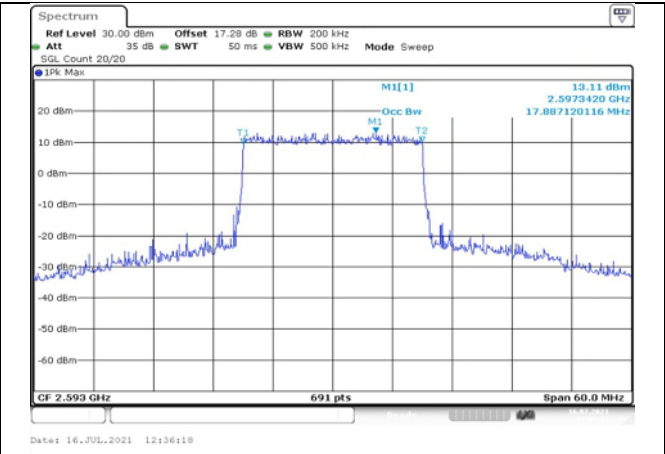


Fig.32

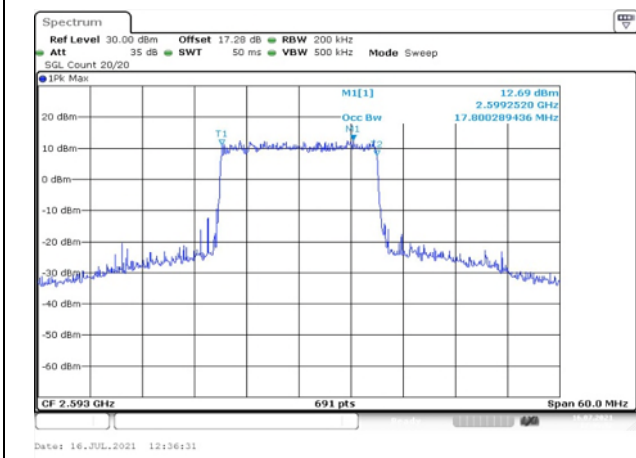


Fig.33

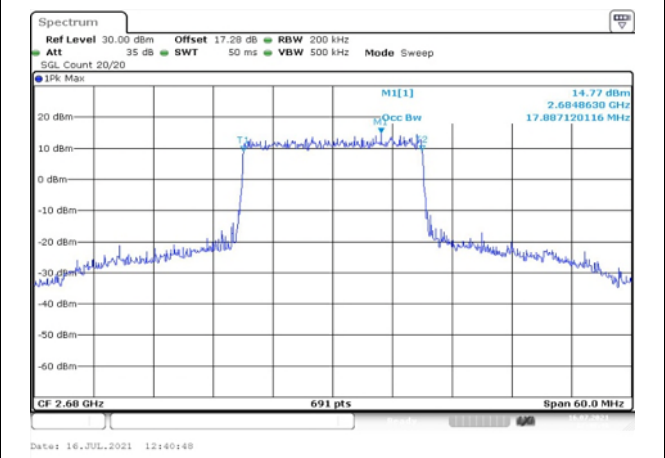


Fig.34

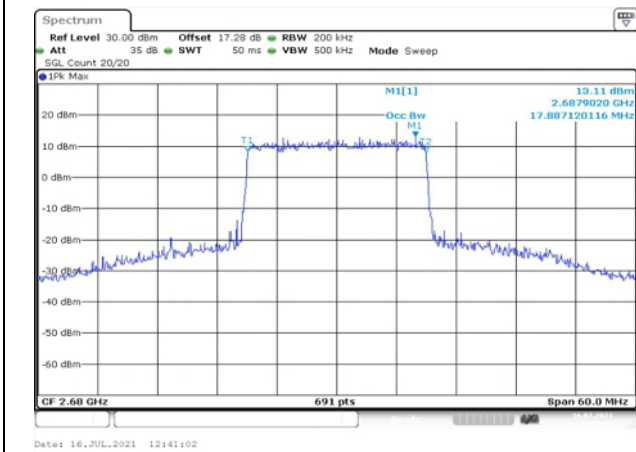


Fig.35

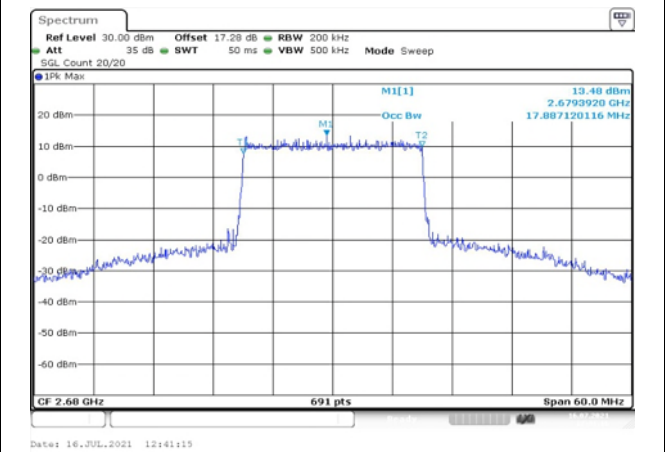


Fig.36

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	
41	2498.5	39675	5	25	0	4.819	Fig.1	4.797	Fig.2	4.732	Fig.3
	2593	40620		25	0	4.797	Fig.4	4.732	Fig.5	4.776	Fig.6
	2687.5	41565		25	0	4.711	Fig.7	4.776	Fig.8	4.754	Fig.9
	2501	39700	10	50	0	9.421	Fig.10	9.465	Fig.11	9.421	Fig.12
	2593	40620		50	0	9.508	Fig.13	9.508	Fig.14	9.465	Fig.15
	2685	41540		50	0	9.551	Fig.16	9.421	Fig.17	2.258	Fig.18
	2503.5	39725	15	75	0	14.327	Fig.19	14.001	Fig.20	14.197	Fig.21
	2593	40620		75	0	14.262	Fig.22	14.327	Fig.23	14.522	Fig.24
	2682.5	41515		75	0	14.327	Fig.25	14.327	Fig.26	14.653	Fig.27
	2506	39750	20	100	0	18.842	Fig.28	18.842	Fig.29	18.929	Fig.30
	2593	40620		100	0	19.103	Fig.31	18.842	Fig.32	18.842	Fig.33
	2680	41490		100	0	19.103	Fig.34	18.929	Fig.35	18.929	Fig.36

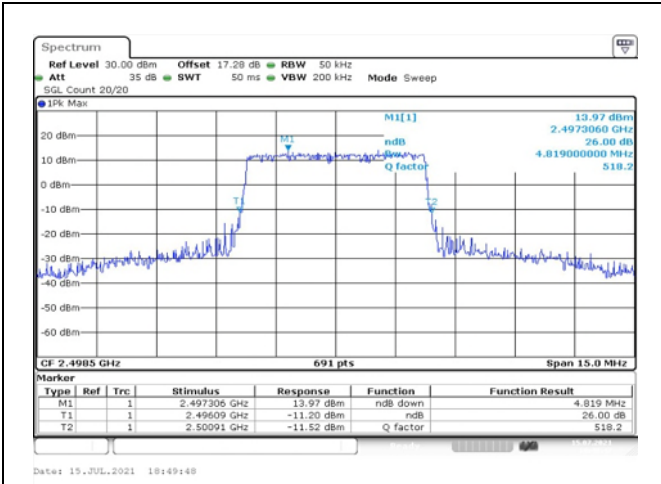


Fig.1

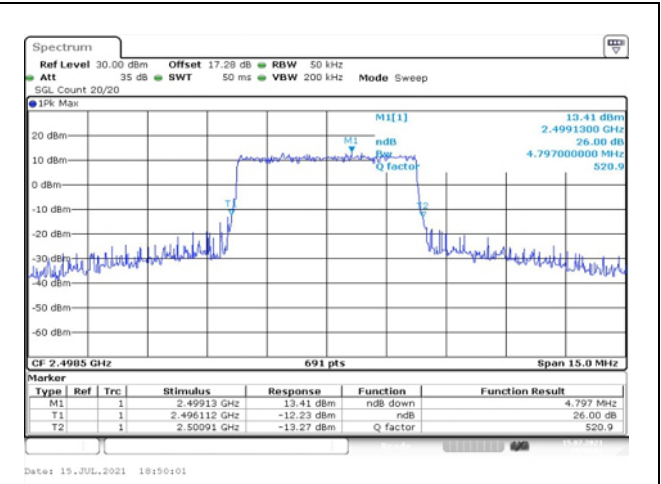


Fig.2

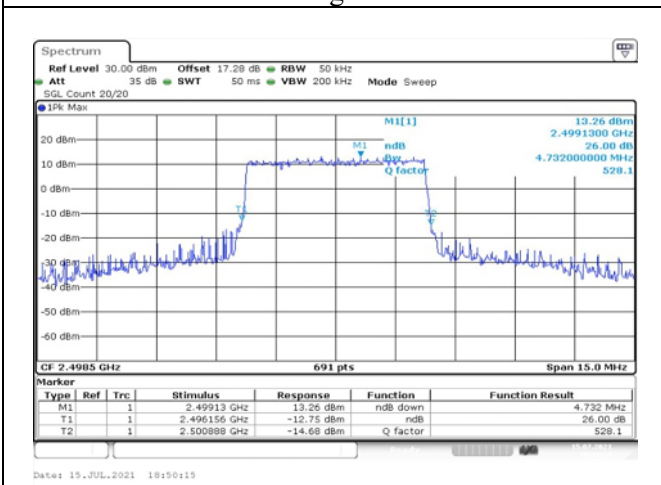


Fig.3

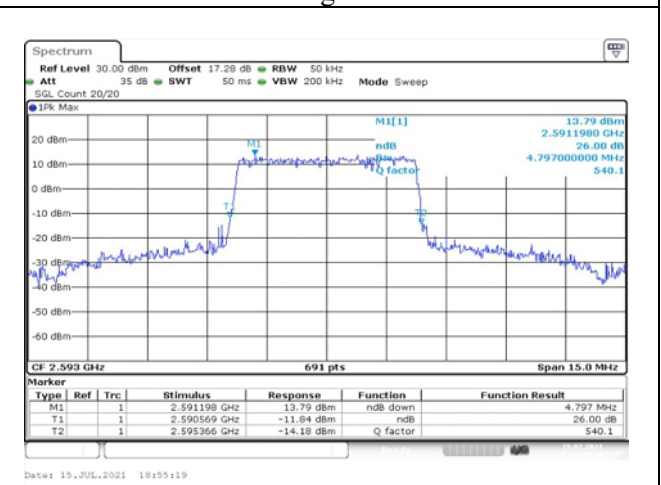


Fig.4

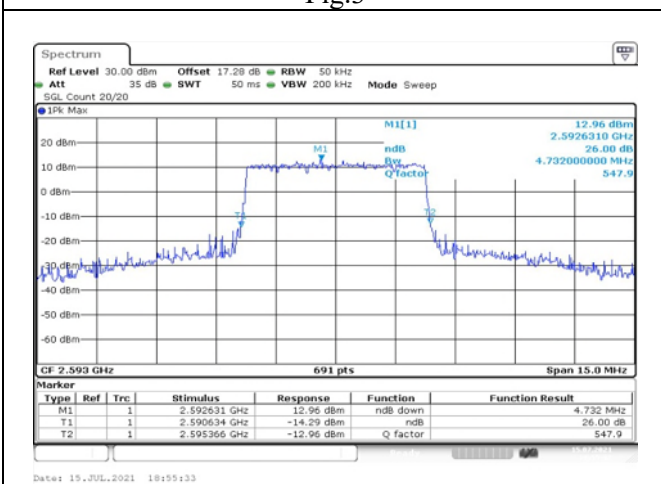


Fig.5

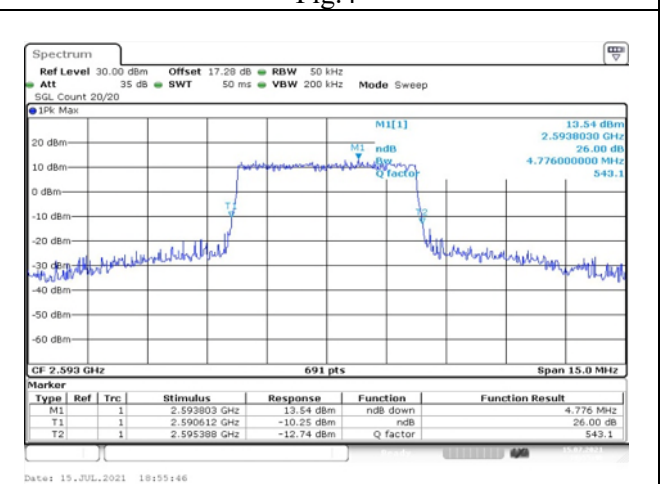


Fig.6

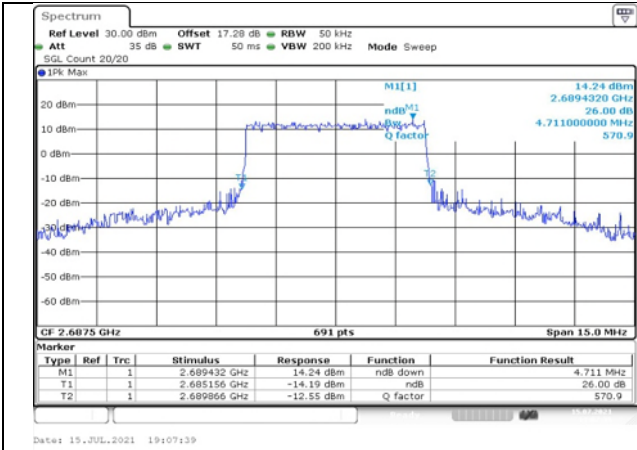


Fig.7

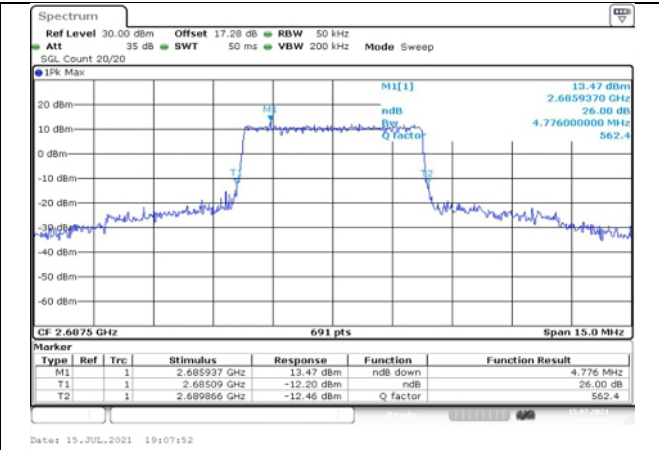


Fig.8

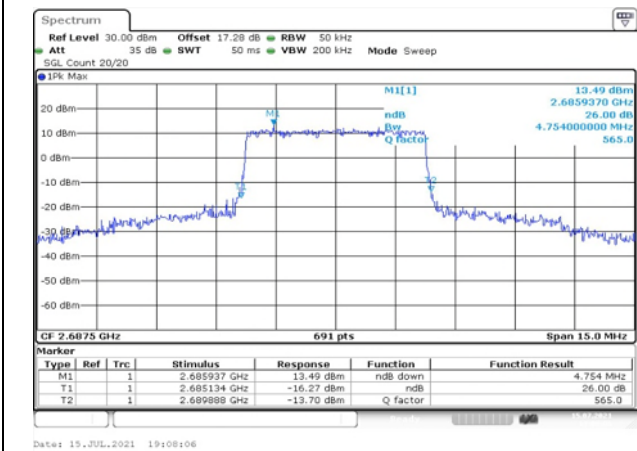


Fig.9

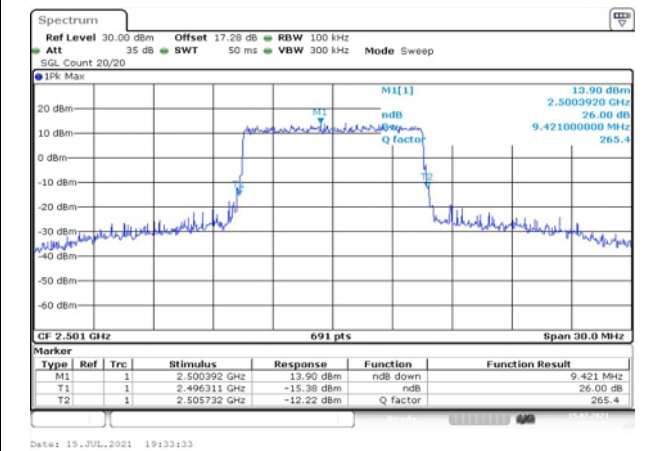


Fig.10

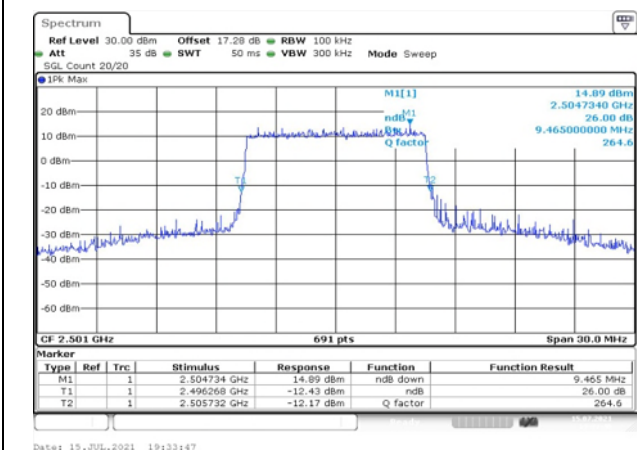


Fig.11

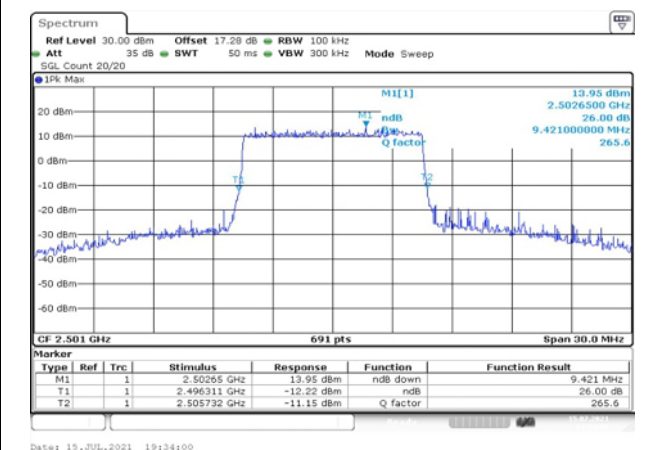


Fig.12

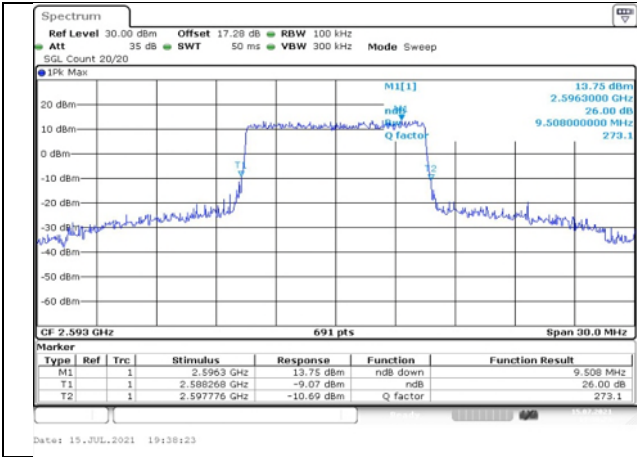


Fig.13

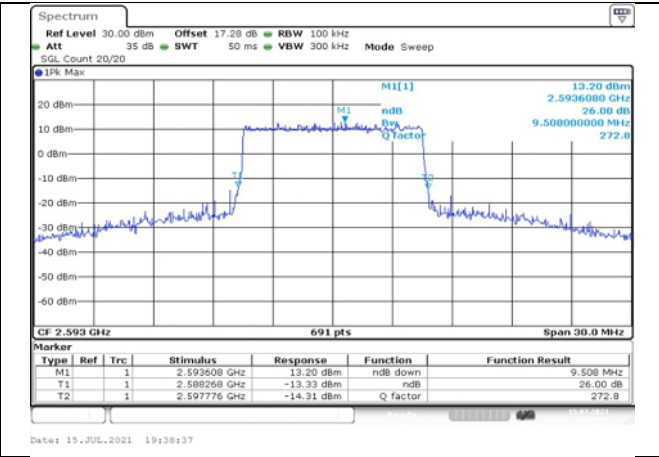


Fig.14

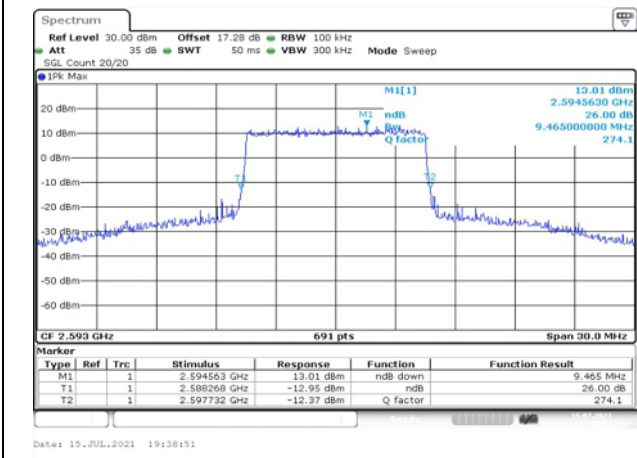


Fig.15

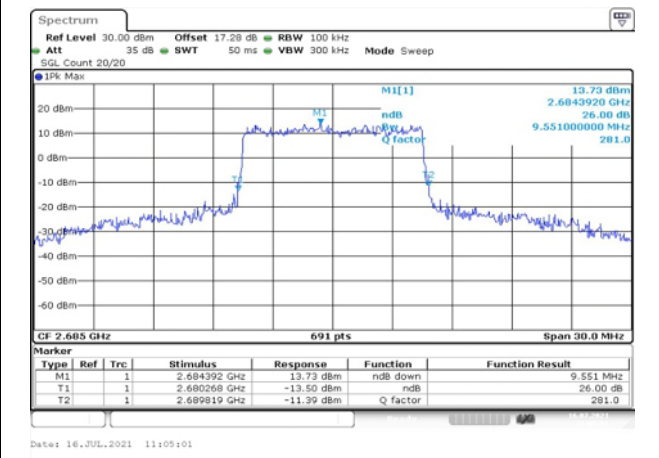


Fig.16

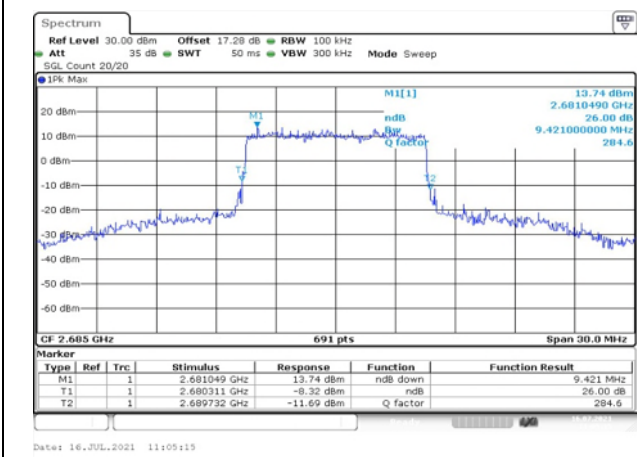


Fig.17

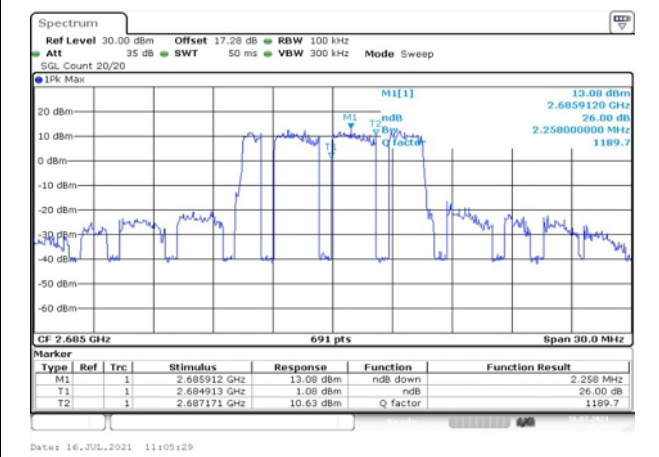


Fig.18

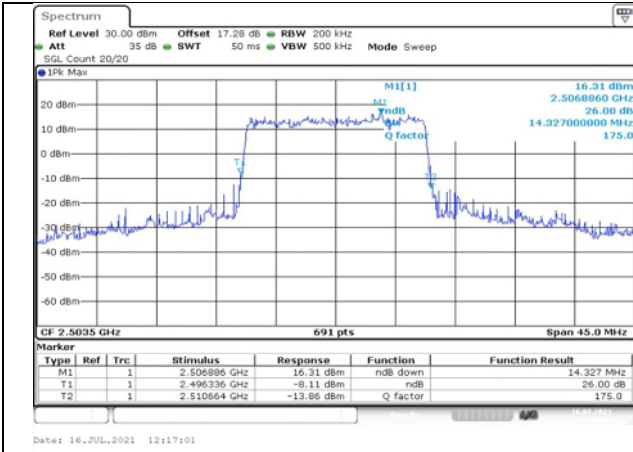


Fig.19

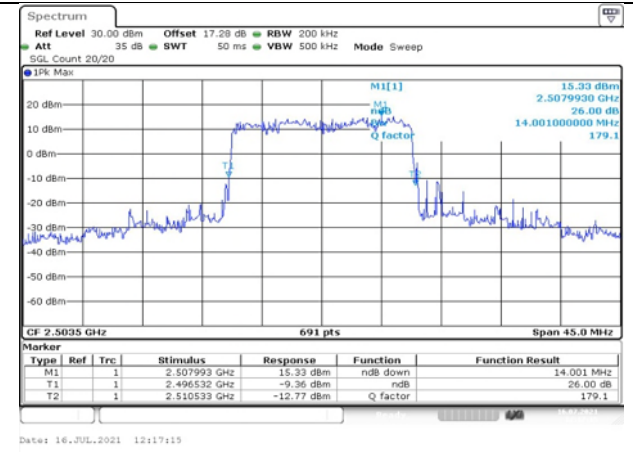


Fig.20

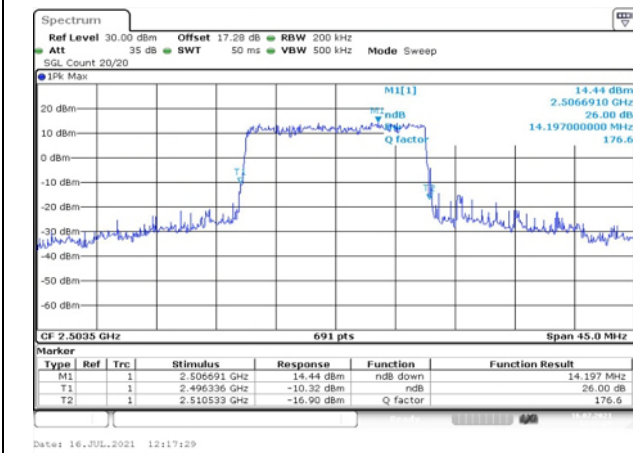


Fig.21

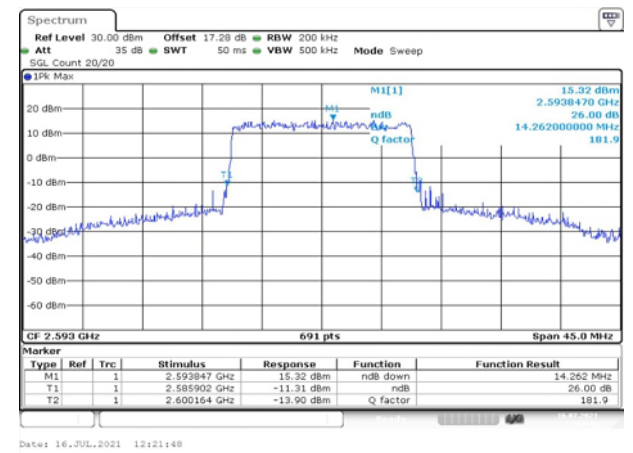


Fig.22

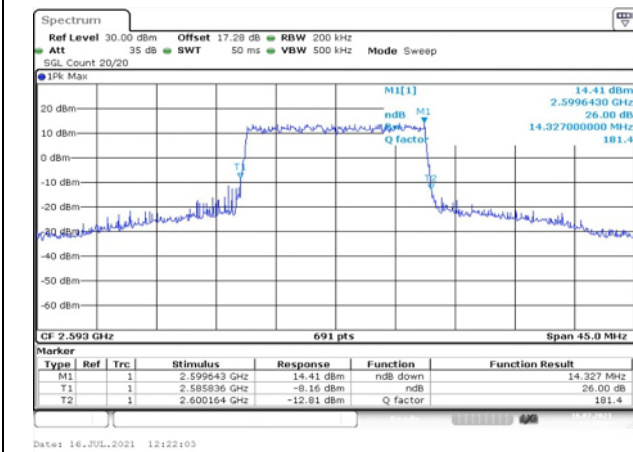


Fig.23

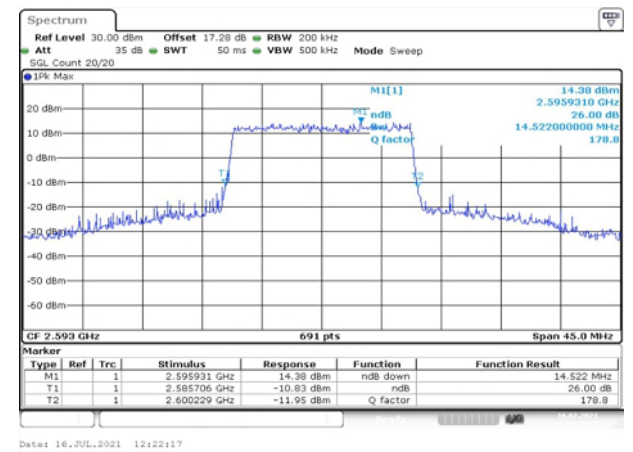


Fig.24

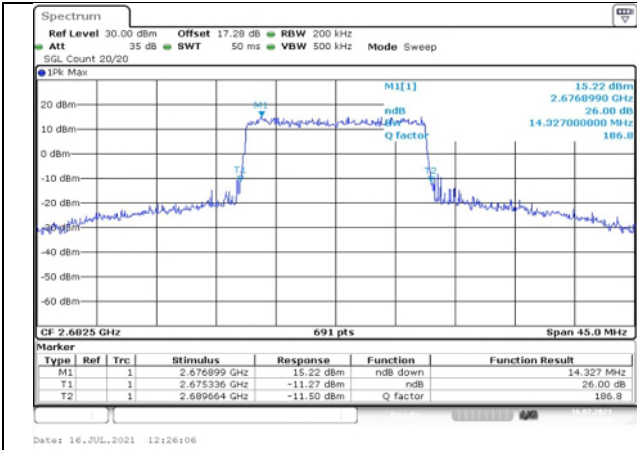


Fig.25

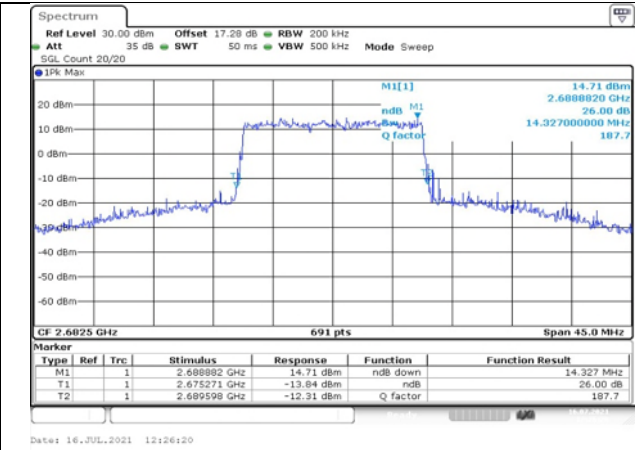


Fig.26

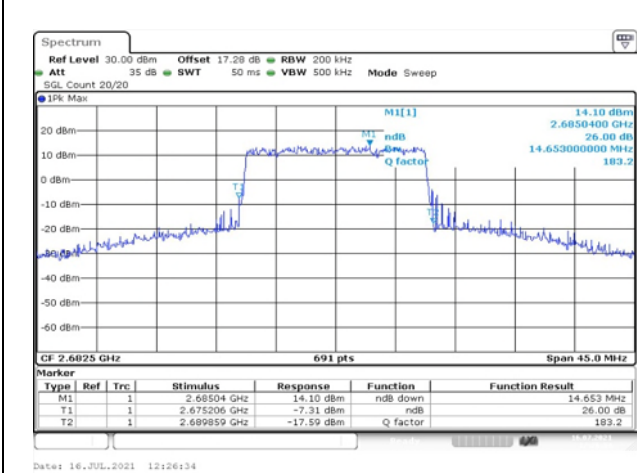


Fig.27

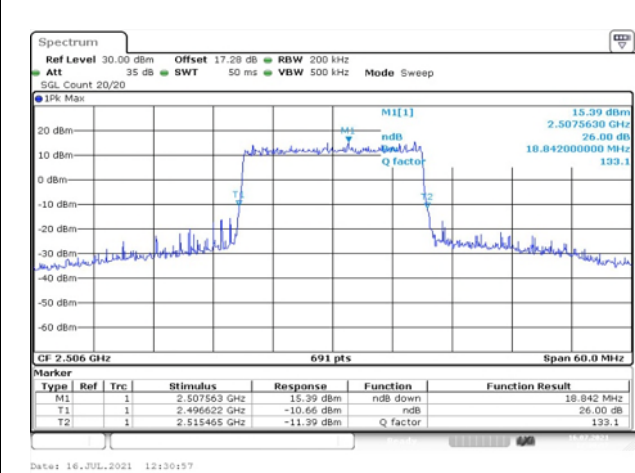


Fig.28

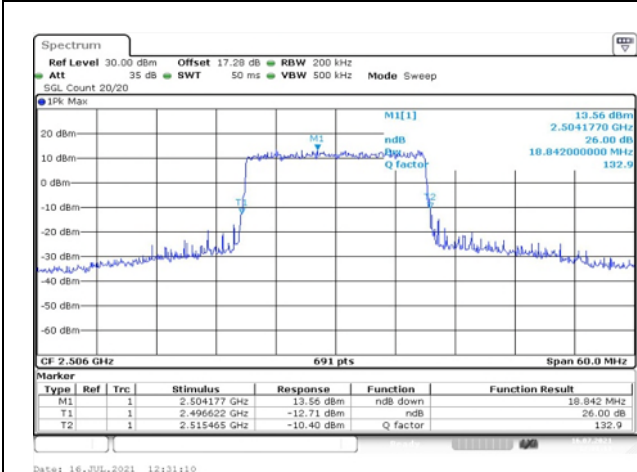


Fig.29

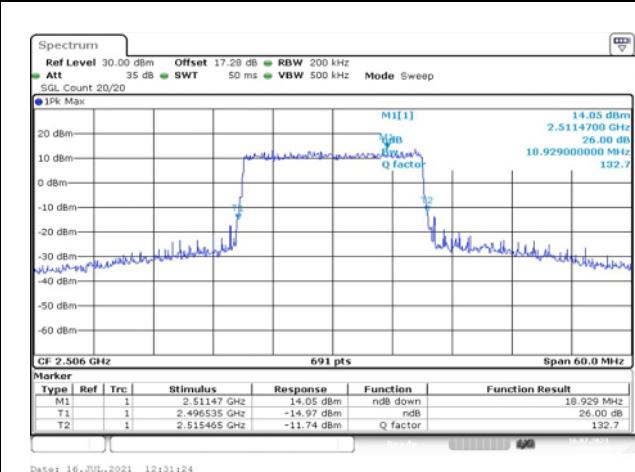


Fig.30

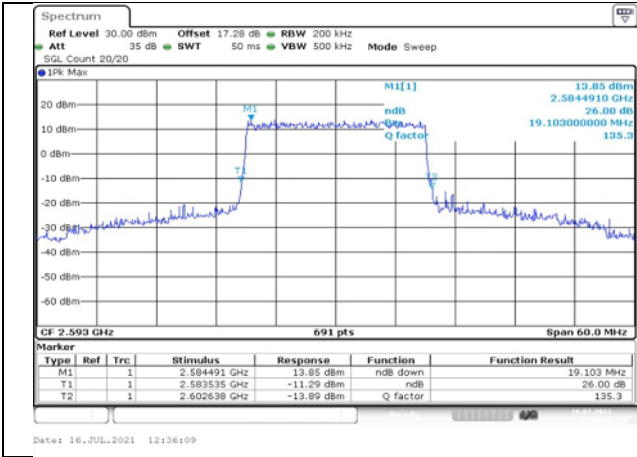


Fig.31

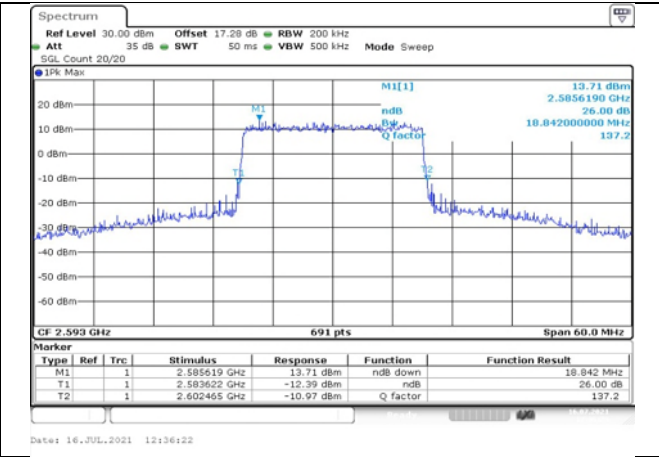


Fig.32

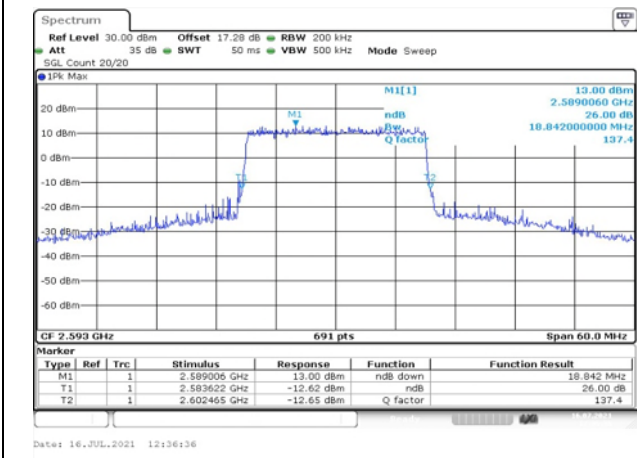


Fig.33

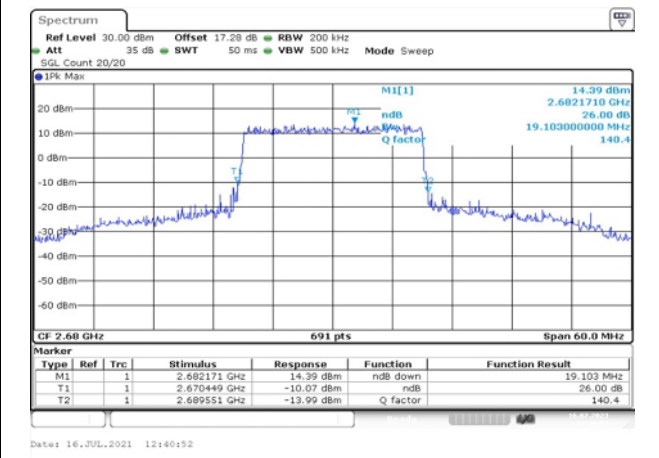


Fig.34

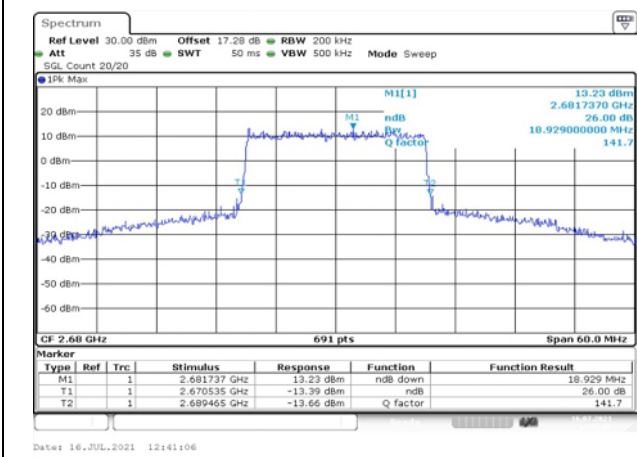


Fig.35

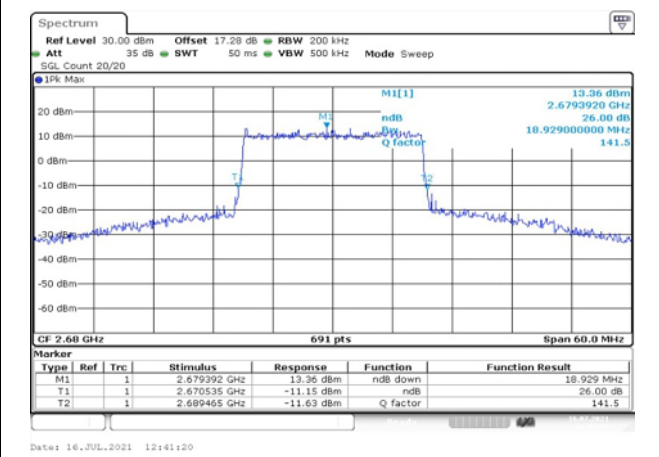


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
41	2498.5	39675	5	1	24	Fig.1	Fig.2	Fig.3
	2498.5	39675		25	0	Fig.4	Fig.5	Fig.6
	2593	40620		1	24	Fig.7	Fig.8	Fig.9
	2593	40620		25	0	Fig.10	Fig.11	Fig.12
	2687.5	41565		1	24	Fig.13	Fig.14	Fig.15
	2687.5	41565		25	0	Fig.16	Fig.17	---
	2501	39700	10	1	49	Fig.18	Fig.19	Fig.20
	2501	39700		50	0	Fig.21	Fig.22	Fig.23
	2593	40620		1	49	Fig.24	Fig.25	Fig.26
	2593	40620		50	0	Fig.27	Fig.28	Fig.29
	2685	41540		1	49	Fig.30	Fig.31	Fig.32
	2685	41540		50	0	Fig.33	Fig.34	Fig.35
	2503.5	39725	15	1	74	Fig.36	Fig.37	Fig.38
	2503.5	39725		75	0	Fig.39	Fig.40	Fig.41
	2593	40620		1	74	Fig.42	Fig.43	Fig.44
	2593	40620		75	0	Fig.45	Fig.46	Fig.47
	2682.5	41515		1	74	Fig.48	Fig.49	Fig.50
	2682.5	41515		75	0	Fig.51	Fig.52	Fig.53
	2506	39750	20	1	99	Fig.54	Fig.55	Fig.56
	2506	39750		100	0	Fig.57	Fig.58	Fig.59
	2593	40620		1	99	Fig.60	Fig.61	Fig.62
2593	40620	100		0	Fig.63	Fig.64	Fig.65	
2680	41490	1		99	Fig.66	Fig.67	Fig.68	
2680	41490	100		0	Fig.69	Fig.70	Fig.71	

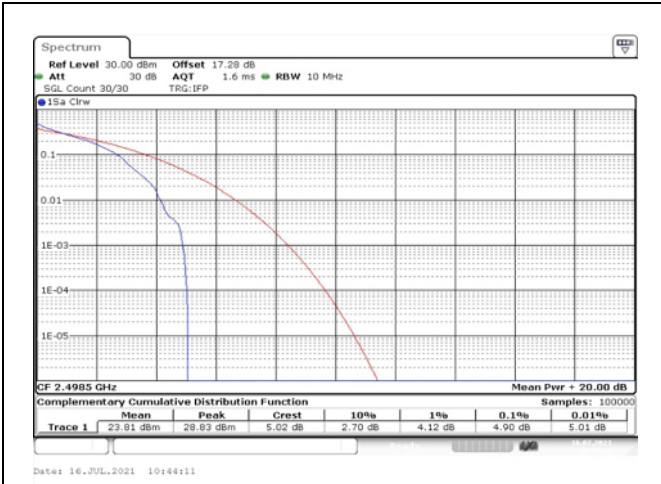


Fig.1

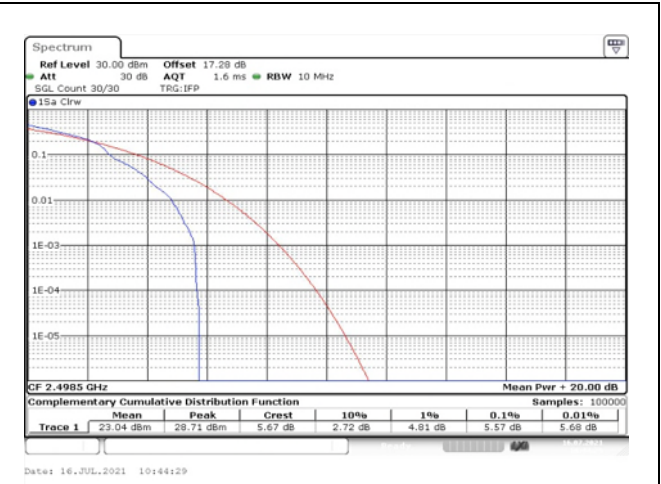


Fig.2

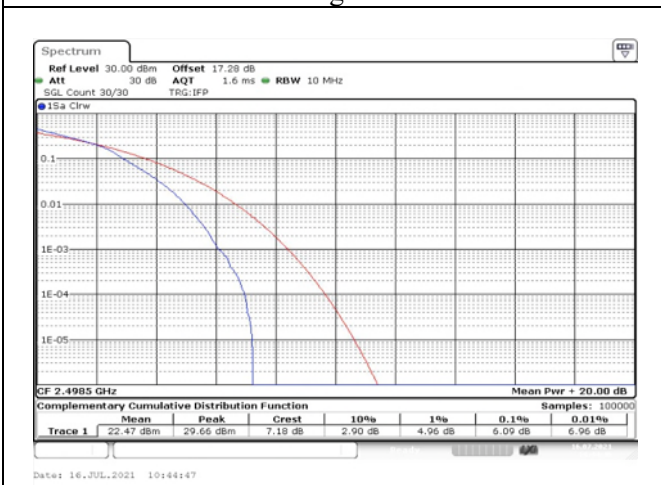


Fig.3

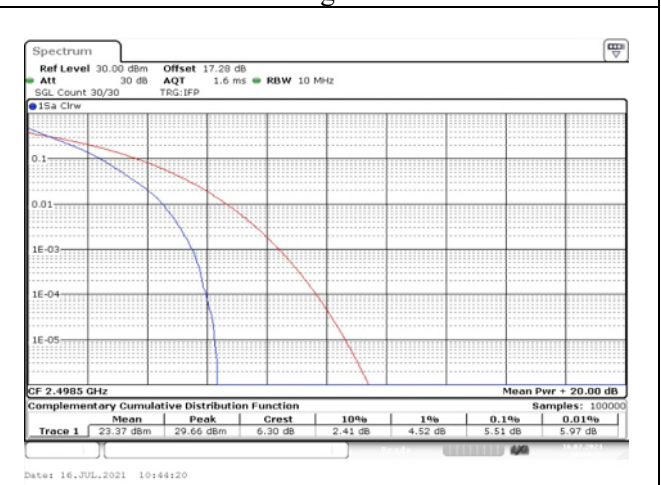


Fig.4

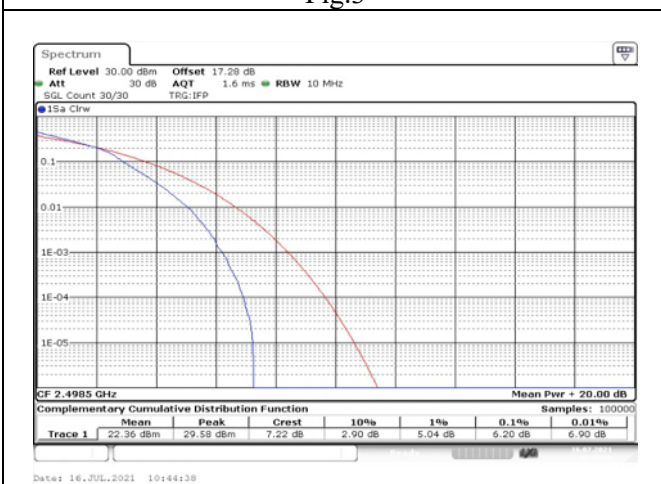


Fig.5

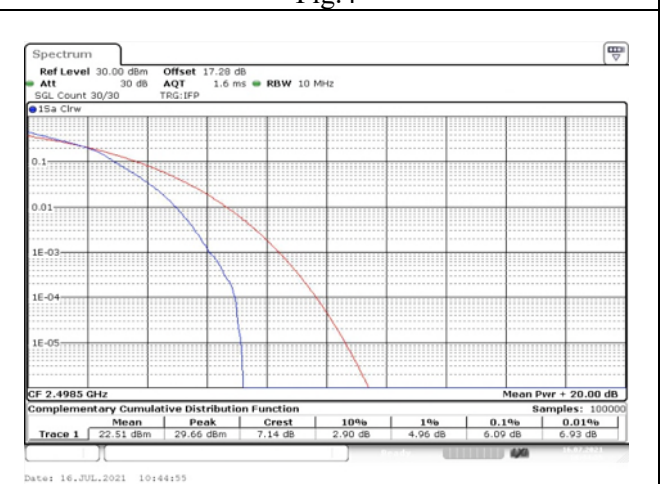


Fig.6