

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	25.01
				1	12	25.09
				1	24	25.08
				12	0	24.11
				12	7	24.10
				12	13	24.09
	2593	40620		25	0	24.12
				1	0	24.99
				1	12	25.06
				1	24	25.09
				12	0	24.11
				12	7	24.17
	2687.5	41565		12	13	24.16
				25	0	24.11
				1	0	24.66
				1	12	24.66
				1	24	24.65
				12	0	23.72
16QAM	2498.5	39675	12	7	23.74	
			12	13	23.73	
			25	0	23.76	
			1	0	24.54	
			1	12	24.56	
			1	24	24.53	
	2593	40620	12	0	23.04	
			12	7	23.06	
			12	13	23.06	
			25	0	23.14	
			1	0	24.28	
			1	12	24.34	
	2687.5	41565	1	24	24.31	
			12	0	23.11	
			12	7	23.13	
			12	13	23.20	
			25	0	23.13	
			1	0	24.14	
			1	12	24.06	
			1	24	24.09	
			12	0	22.82	
			12	7	22.76	
			12	13	22.76	
			25	0	22.77	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2498.5	39675	5	1	0	23.13
				1	12	23.13
				1	24	23.12
				12	0	23.12
				12	7	23.11
				12	13	23.12
				25	0	23.11
	2593	40620		1	0	23.13
				1	12	23.13
				1	24	23.15
				12	0	23.14
				12	7	23.14
				12	13	23.13
				25	0	23.13
	2687.5	41565		1	0	22.76
				1	12	22.77
				1	24	22.77
				12	0	22.76
				12	7	22.75
				12	13	22.76
				25	0	22.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	25.01
				1	25	25.01
				1	49	25.04
				25	0	24.16
				25	12	24.13
				25	25	24.13
	2593	40620		50	0	24.06
				1	0	25.00
				1	25	24.96
				1	49	24.99
				25	0	24.10
				25	12	24.16
	2685	41540		25	25	24.17
				50	0	24.20
				1	0	24.74
				1	25	24.73
				1	49	24.75
				25	0	23.72
16QAM	2501	39700	25	12	23.79	
			25	25	23.77	
			50	0	23.70	
			1	0	24.40	
			1	25	24.43	
			1	49	24.35	
	2593	40620	25	0	23.26	
			25	12	23.14	
			25	25	23.24	
			50	0	23.12	
			1	0	24.33	
			1	25	24.22	
	2685	41540	1	49	24.15	
			25	0	23.14	
			25	12	23.20	
			25	25	23.26	
			50	0	23.18	
			1	0	23.74	
			1	25	23.76	
			1	49	23.76	
			25	0	22.74	
			25	12	22.84	
			25	25	22.76	
			50	0	22.80	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2501	39700	10	1	0	23.12
				1	25	23.12
				1	49	23.16
				25	0	23.11
				25	12	23.11
				25	25	23.12
				50	0	23.11
	2593	40620		1	0	23.18
				1	25	23.17
				1	49	23.17
				25	0	23.17
				25	12	23.23
				25	25	23.17
				50	0	23.17
	2685	41540		1	0	22.71
				1	25	22.78
				1	49	22.73
				25	0	22.80
				25	12	22.70
				25	25	22.75
				50	0	22.70

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	24.93
				1	37	24.92
				1	74	24.88
				36	0	24.14
				36	29	24.08
				36	30	24.06
	2593	40620		75	0	24.08
				1	0	25.11
				1	37	25.15
				1	74	25.11
				36	0	24.13
				36	29	24.20
	2682.5	41515		36	30	24.11
				75	0	24.17
				1	0	24.77
				1	37	24.67
				1	74	24.69
				36	0	23.78
16QAM	2503.5	39725	36	29	23.82	
			36	30	23.74	
			75	0	23.77	
			1	0	24.36	
			1	37	24.31	
			1	74	24.26	
	2593	40620	36	0	23.18	
			36	29	23.12	
			36	30	23.13	
			75	0	23.13	
			1	0	24.13	
			1	37	24.18	
	2682.5	41515	1	74	24.21	
			36	0	23.04	
			36	29	23.15	
			36	30	23.14	
			75	0	23.11	
			1	0	24.22	
			1	37	24.18	
			1	74	24.11	
			36	0	23.13	
			36	29	23.18	
			36	30	23.12	
			75	0	23.10	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2503.5	39725	15	1	0	23.20
				1	37	23.19
				1	74	23.12
				36	0	23.18
				36	29	23.10
				36	30	23.15
				75	0	23.19
	2593	40620		1	0	23.21
				1	37	23.10
				1	74	23.17
				36	0	23.13
				36	29	23.14
				36	30	23.17
				75	0	23.17
	2682.5	41515		1	0	23.13
				1	37	23.10
				1	74	23.07
				36	0	23.09
				36	29	23.04
				36	30	23.06
				75	0	23.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	24.95
				1	49	24.95
				1	99	24.94
				50	0	24.07
				50	24	24.07
				50	50	24.13
	100	0		24.13		
	2593	40620		1	0	25.27
				1	49	25.11
				1	99	25.11
				50	0	24.10
				50	24	24.13
				50	50	24.12
	2680	41490		100	0	24.19
				1	0	24.83
				1	49	24.74
				1	99	24.71
				50	0	23.76
50			24	23.81		
16QAM	2506	39750	50	50	23.78	
			100	0	23.76	
			1	0	24.21	
			1	49	24.25	
			1	99	24.21	
			50	0	23.16	
	2593	40620	50	24	23.07	
			50	50	23.09	
			100	0	23.14	
			1	0	24.19	
			1	49	24.23	
			1	99	24.23	
	2680	41490	50	0	23.08	
			50	24	23.06	
			50	50	23.09	
			100	0	23.18	
			1	0	23.51	
			1	49	23.38	
			1	99	23.38	
			50	0	22.78	
			50	24	22.84	
			50	50	22.84	
			100	0	22.69	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2506	39750	20	1	0	23.11
				1	49	23.14
				1	99	23.14
				50	0	23.13
				50	24	23.13
				50	50	23.13
				100	0	23.13
	2593	40620		1	0	23.19
				1	49	23.11
				1	99	23.14
				50	0	23.17
				50	24	23.14
				50	50	23.14
				100	0	23.17
	2680	41490		1	0	22.81
				1	49	22.77
				1	99	22.77
				50	0	22.71
				50	24	22.69
				50	50	22.70
				100	0	22.68

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	4.450	Fig.1	4.472	Fig.2	4.472	Fig.3
	2593	40620		25	0	4.450	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	13.480	Fig.19	13.415	Fig.20	13.415	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	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2593	40620		100	0	17.800	Fig.31	17.800	Fig.32	17.887	Fig.33
	2680	41490		100	0	17.800	Fig.34	17.887	Fig.35	17.887	Fig.36

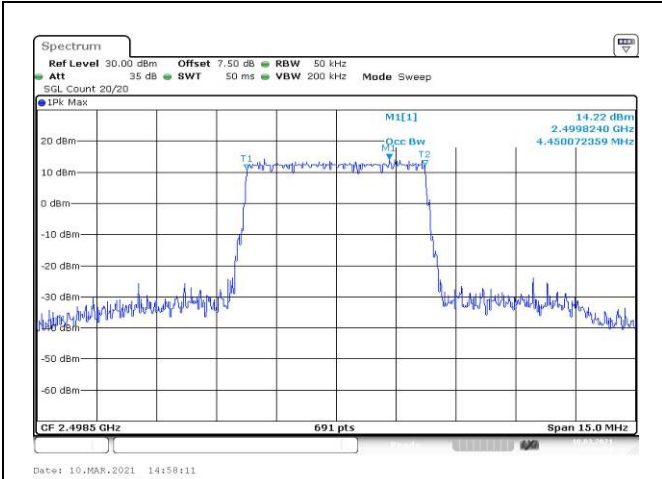


Fig.1

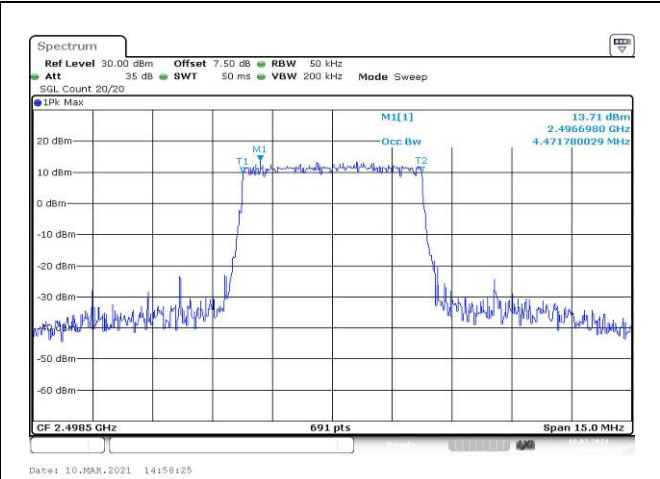


Fig.2

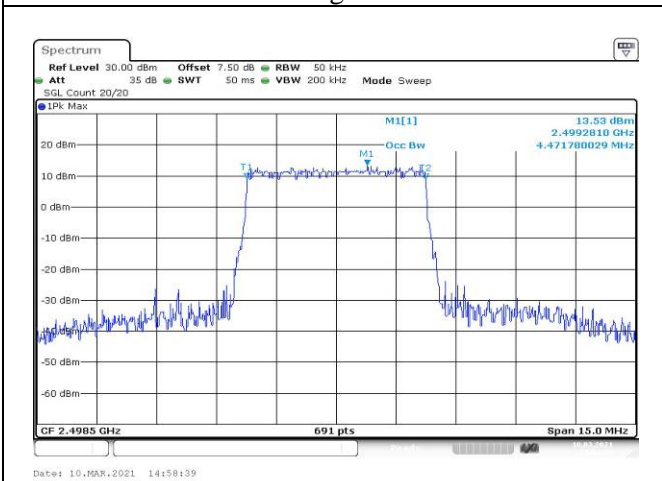


Fig.3

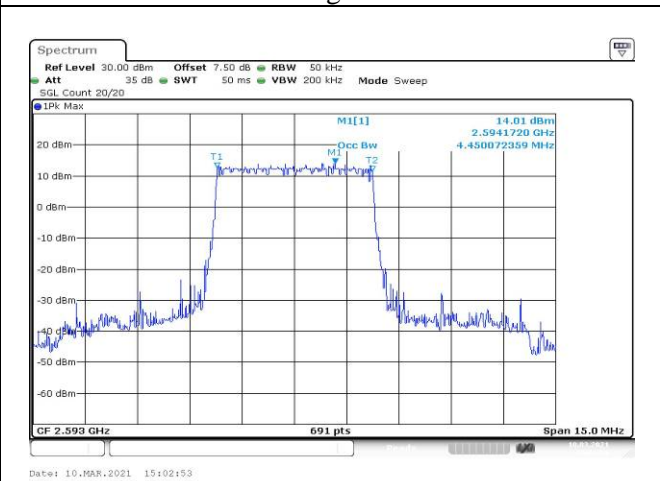


Fig.4

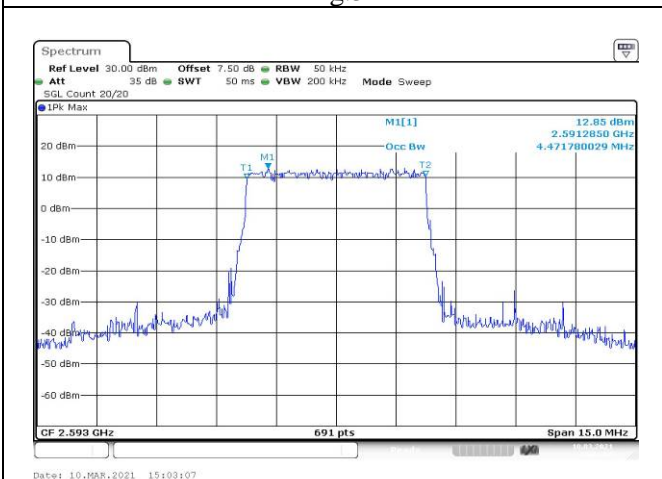


Fig.5

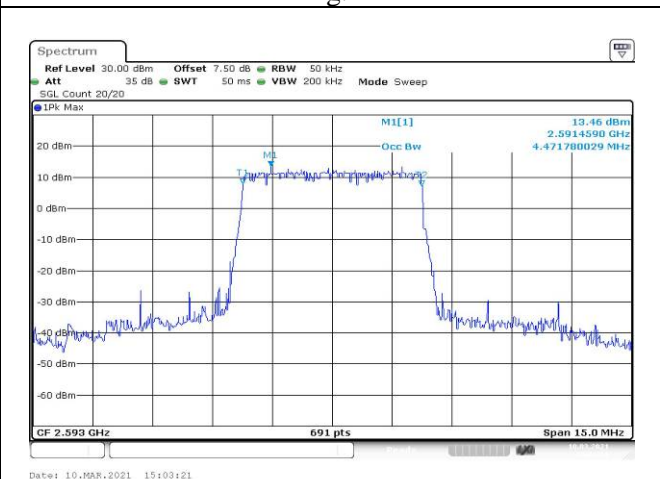
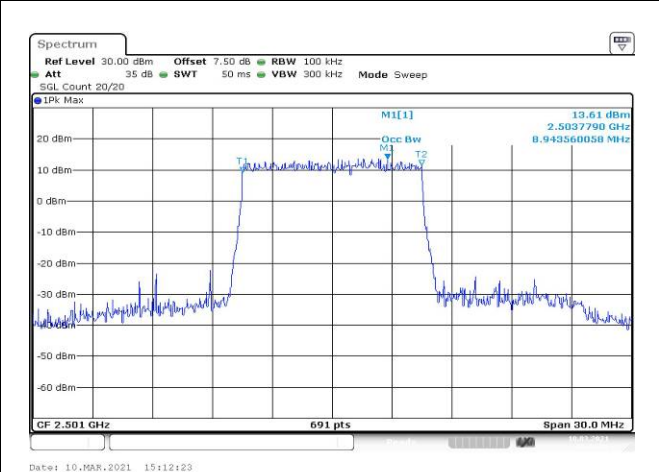
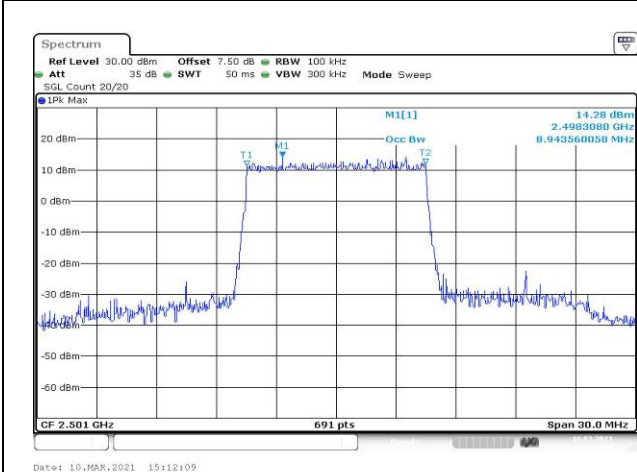
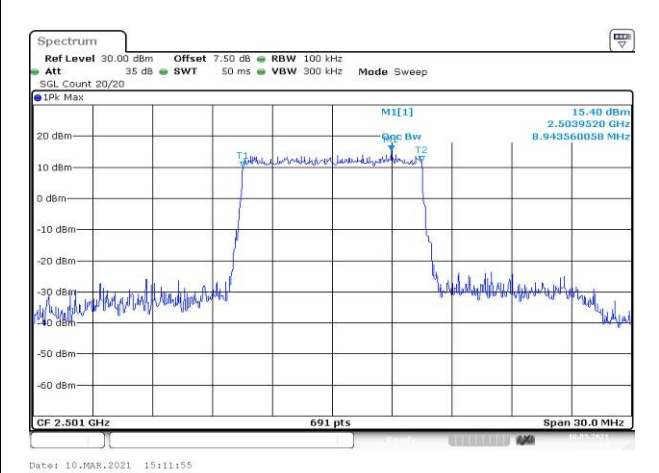
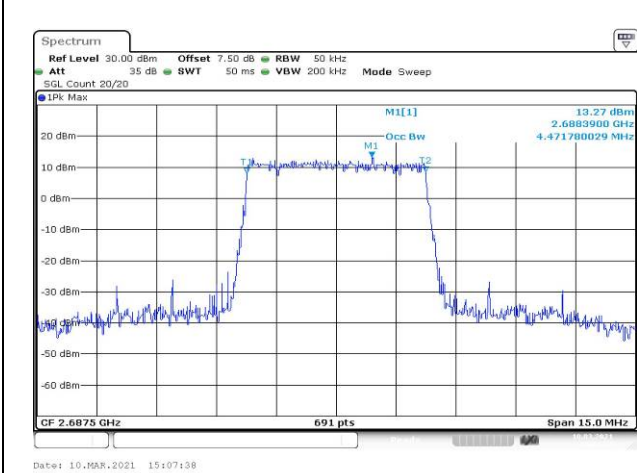
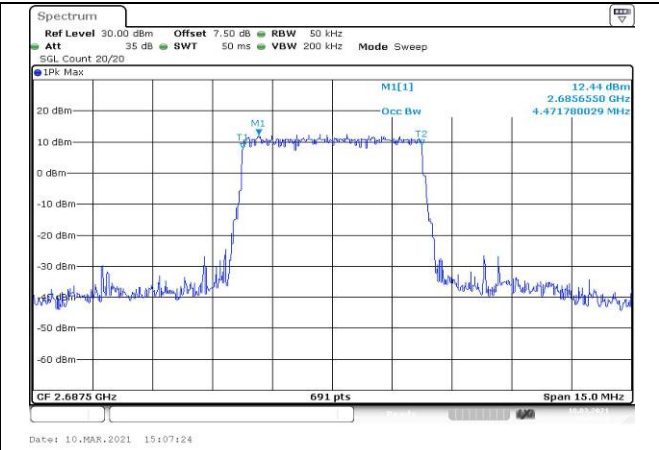
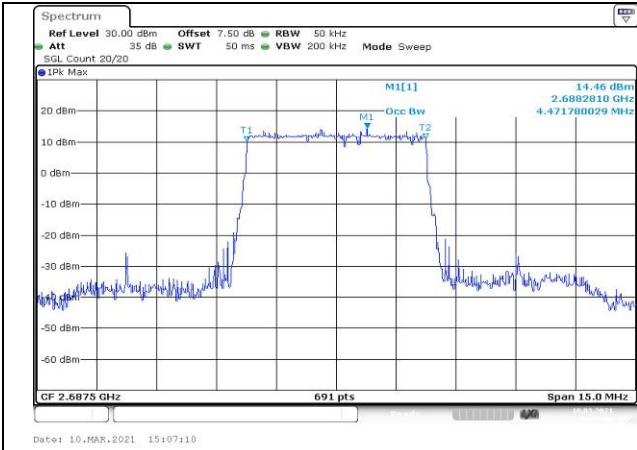
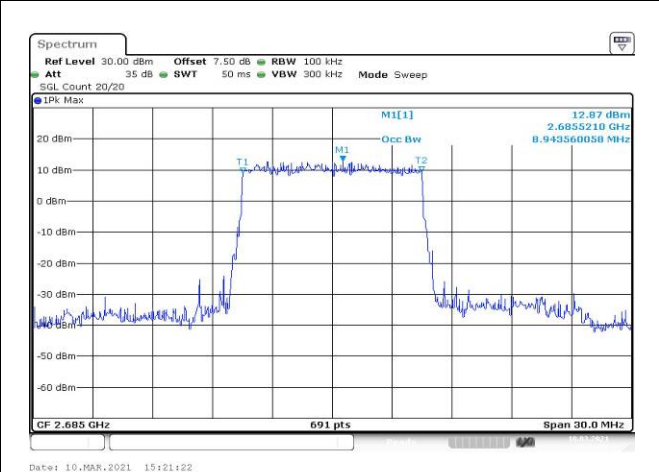
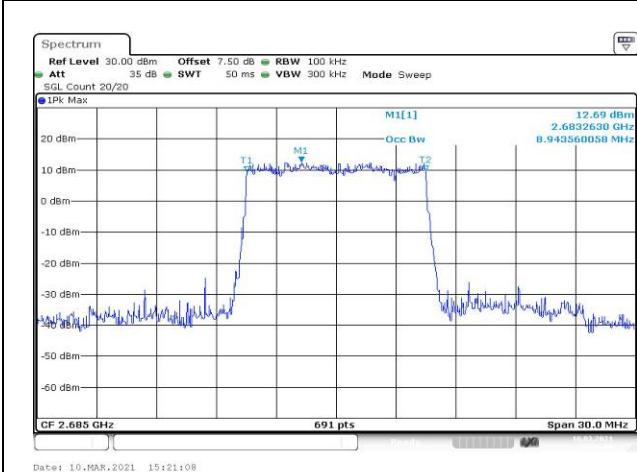
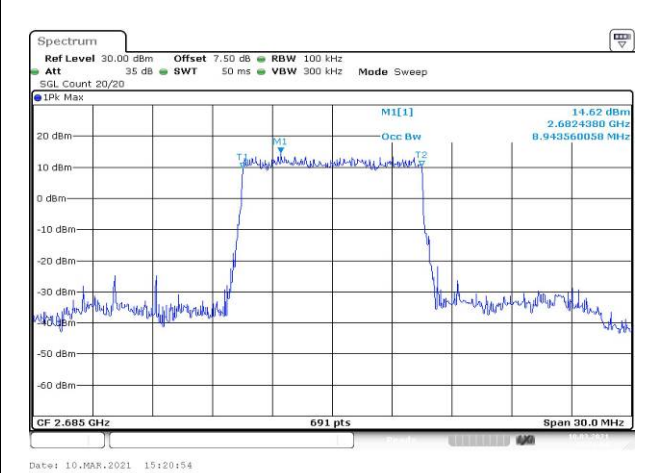
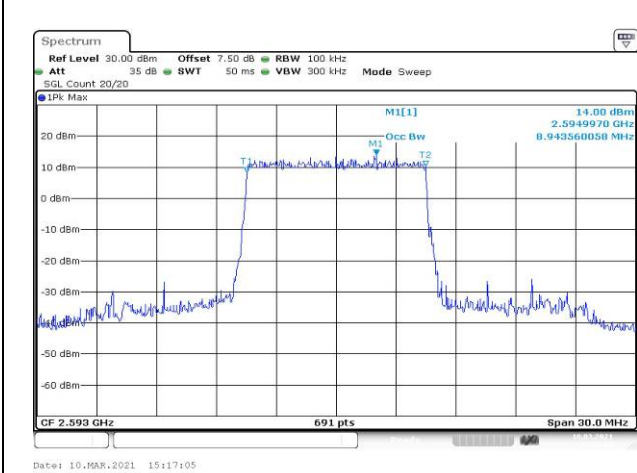
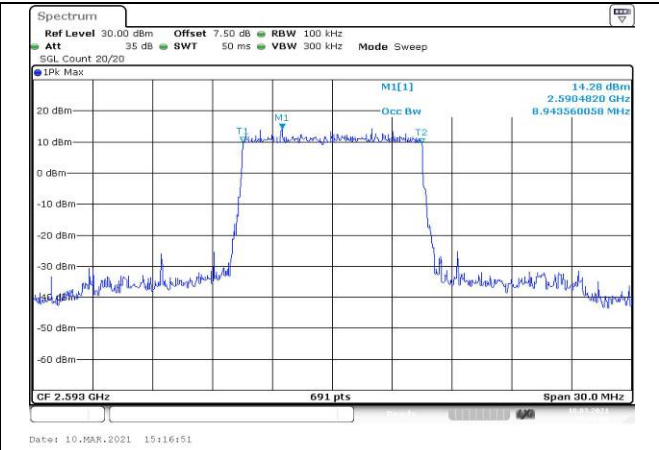
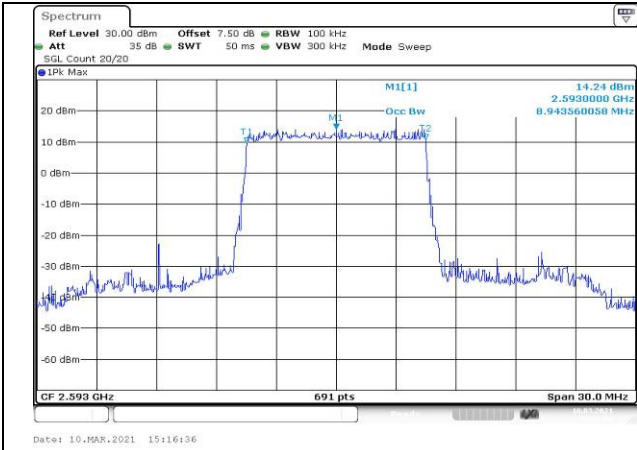


Fig.6





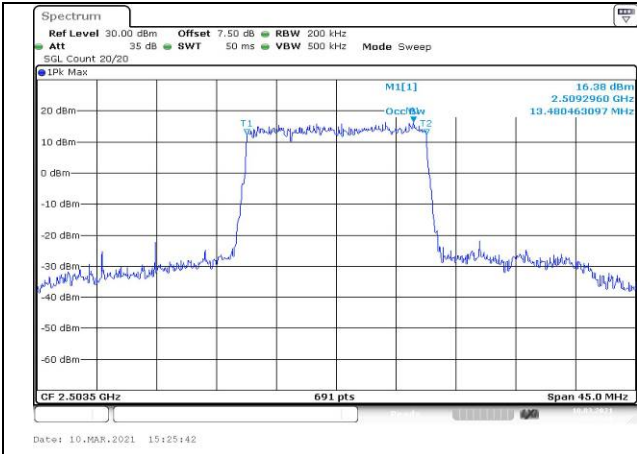


Fig.19

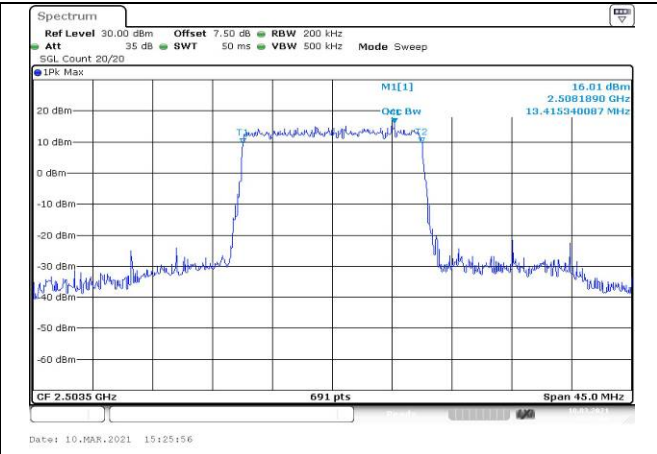


Fig.20

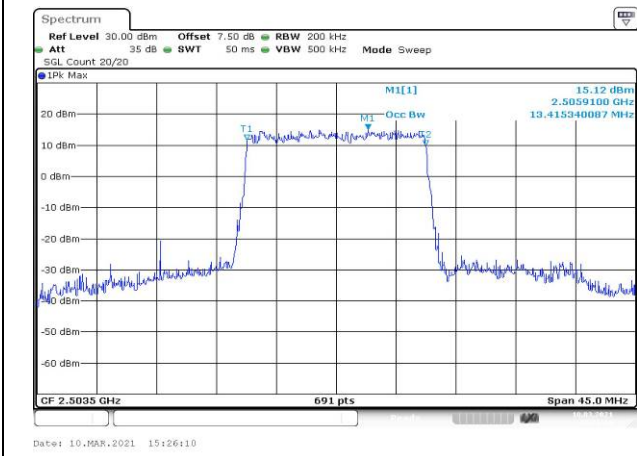


Fig.21

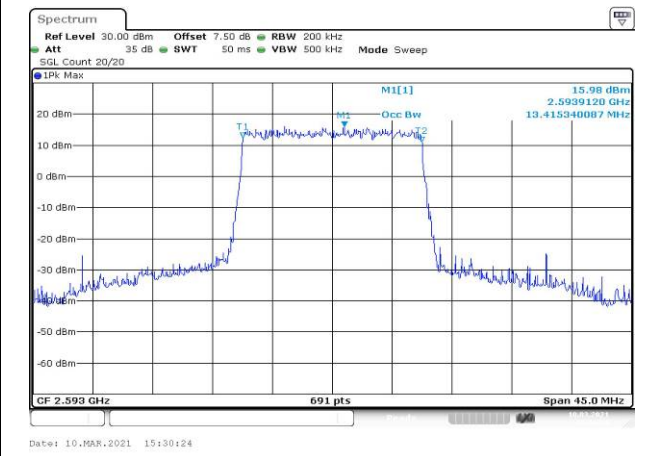


Fig.22

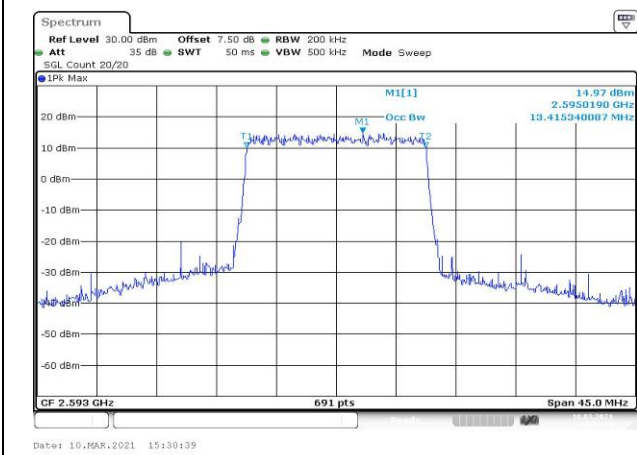


Fig.23

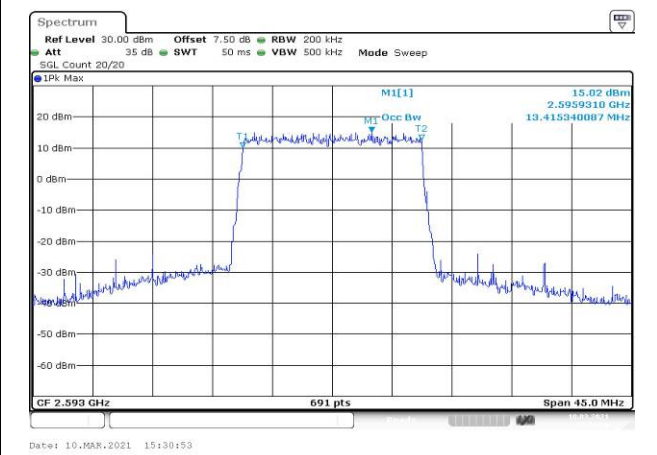


Fig.24

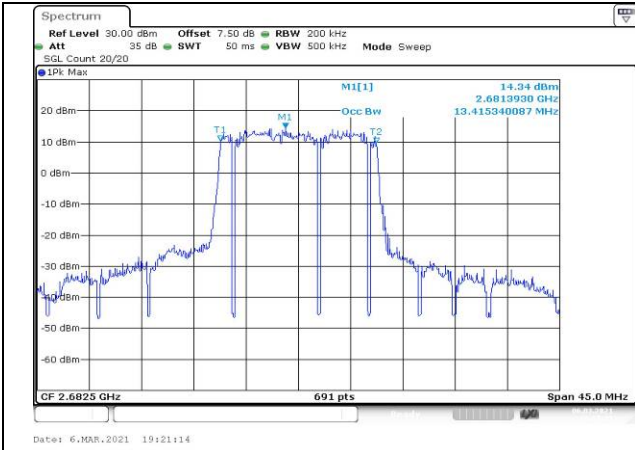


Fig.25

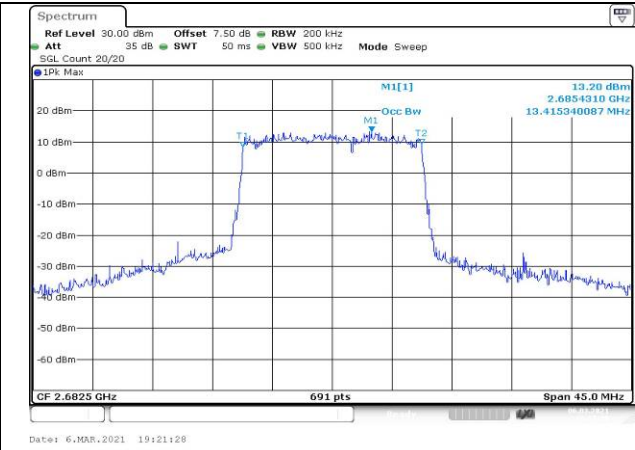


Fig.26

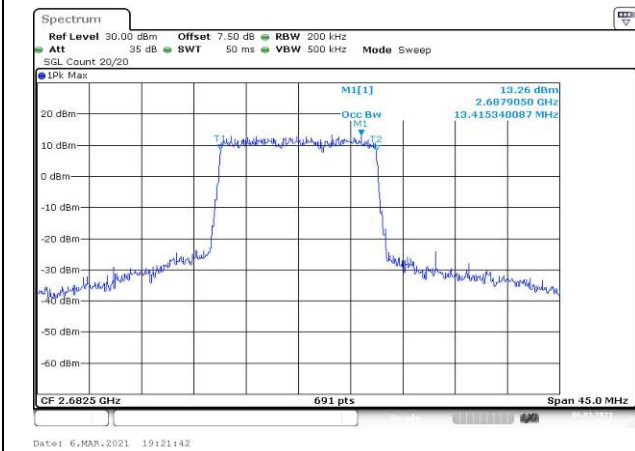


Fig.27

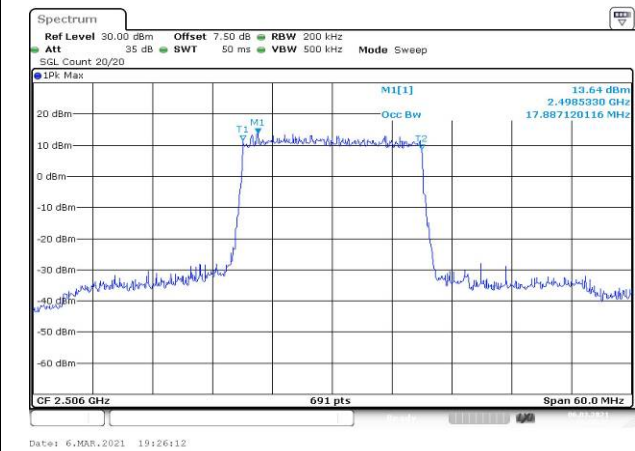


Fig.28

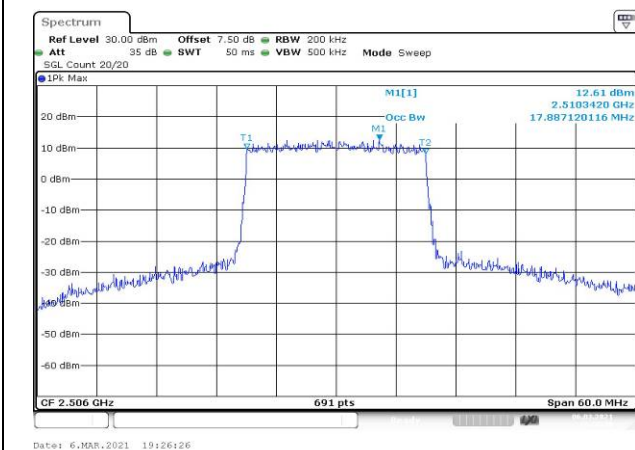


Fig.29

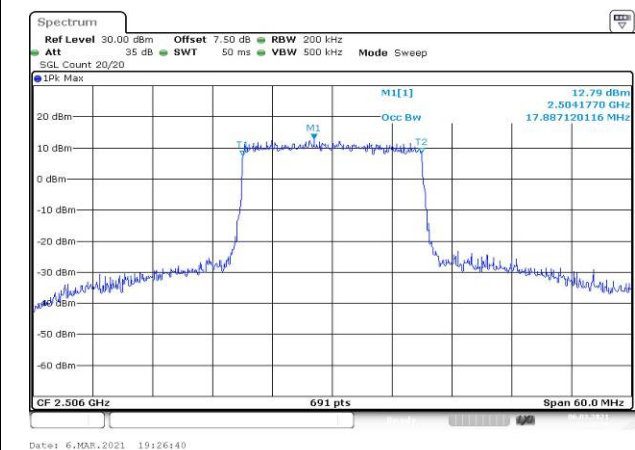


Fig.30

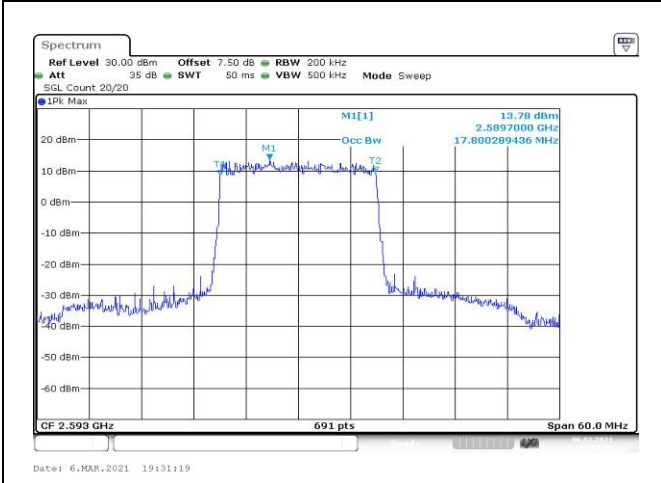


Fig.31

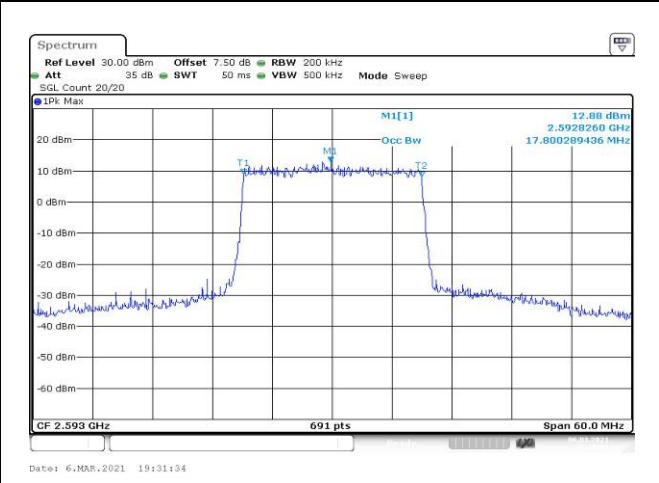


Fig.32

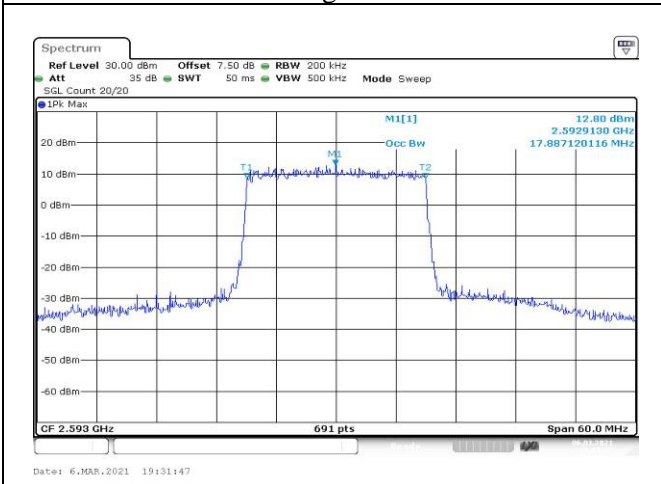


Fig.33

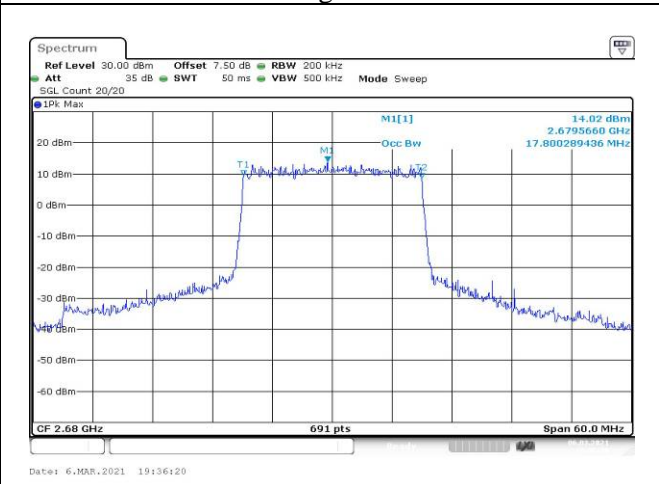


Fig.34

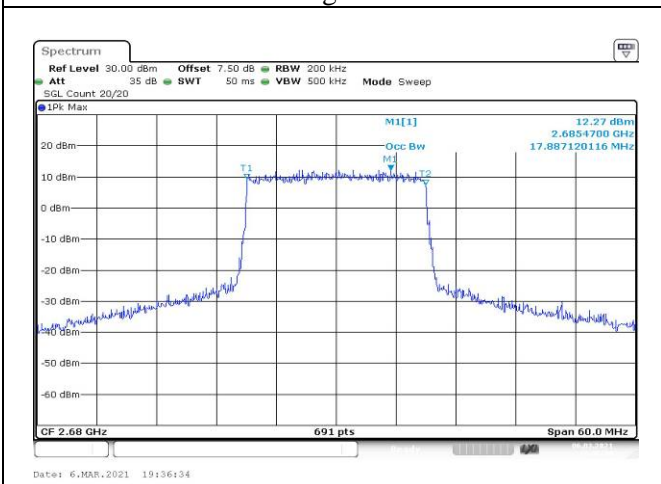


Fig.35

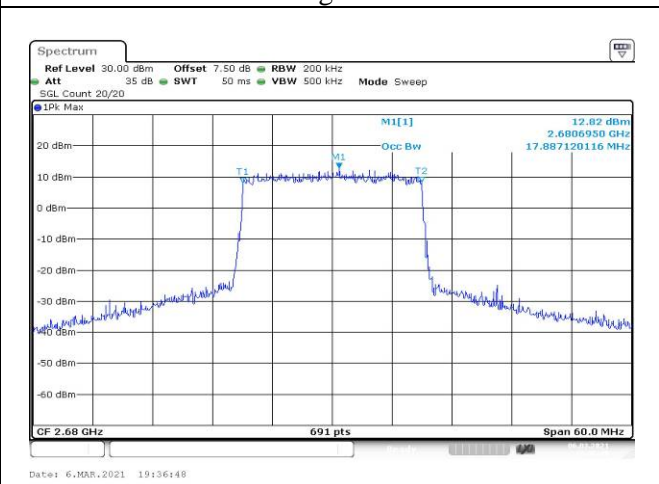


Fig.36

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	4.863	Fig.1	4.819	Fig.2	4.797	Fig.3
	2593	40620		25	0	4.819	Fig.4	4.819	Fig.5	4.819	Fig.6
	2687.5	41565		25	0	4.841	Fig.7	4.711	Fig.8	4.819	Fig.9
	2501	39700	10	50	0	9.551	Fig.10	9.465	Fig.11	9.508	Fig.12
	2593	40620		50	0	9.595	Fig.13	9.508	Fig.14	9.508	Fig.15
	2685	41540		50	0	9.508	Fig.16	9.508	Fig.17	9.508	Fig.18
	2503.5	39725	15	75	0	14.262	Fig.19	14.262	Fig.20	14.262	Fig.21
	2593	40620		75	0	14.392	Fig.22	14.457	Fig.23	14.522	Fig.24
	2682.5	41515		75	0	14.588	Fig.25	14.392	Fig.26	14.132	Fig.27
	2506	39750	20	100	0	18.842	Fig.28	19.016	Fig.29	19.103	Fig.30
	2593	40620		100	0	19.016	Fig.31	18.929	Fig.32	19.016	Fig.33
	2680	41490		100	0	19.016	Fig.34	18.842	Fig.35	18.842	Fig.36

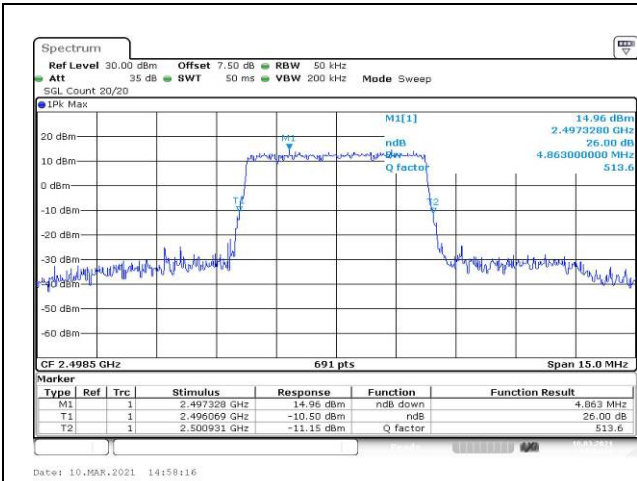


Fig.1

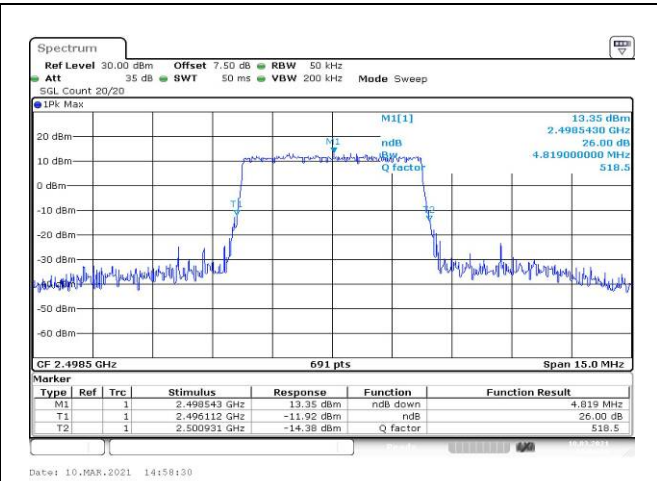


Fig.2

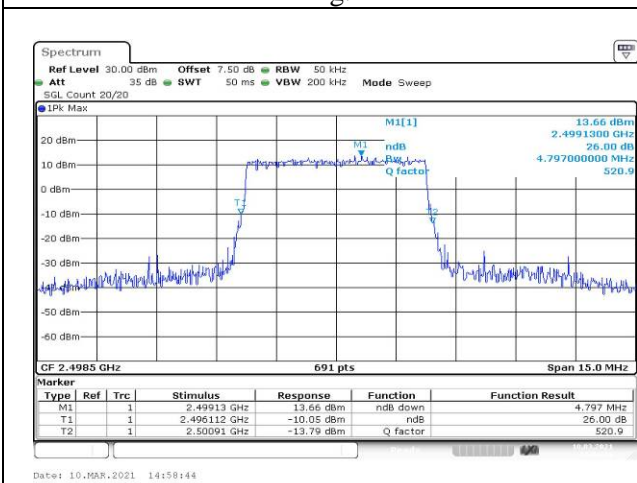


Fig.3

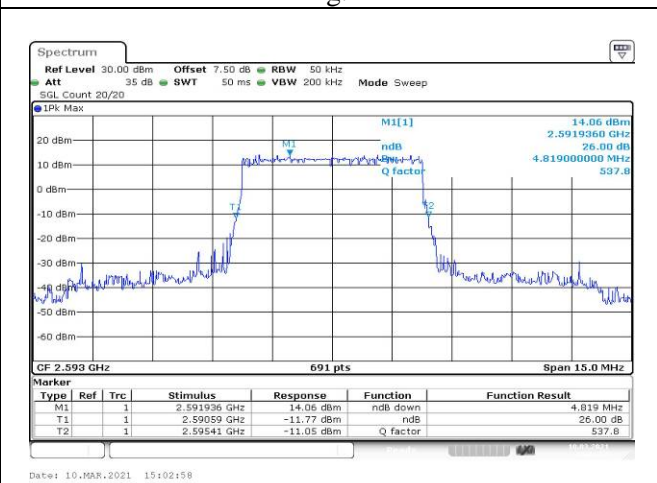


Fig.4

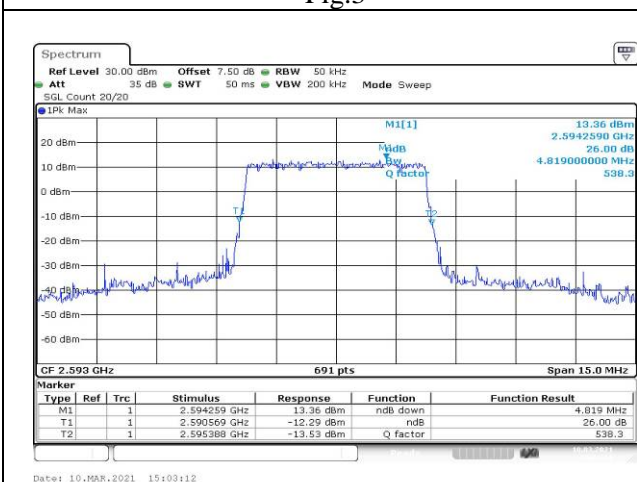


Fig.5

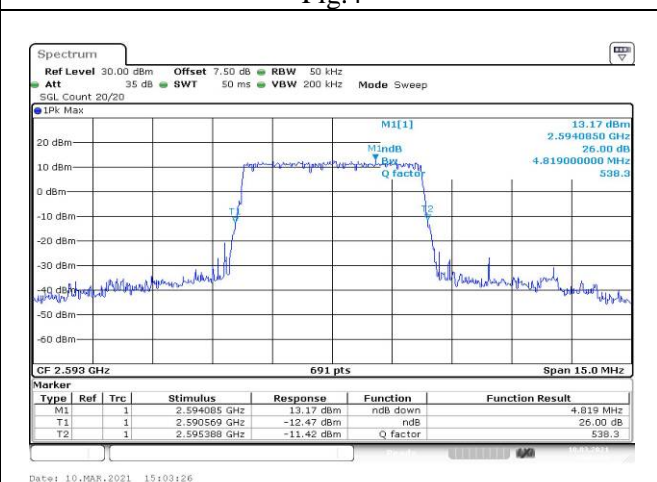


Fig.6

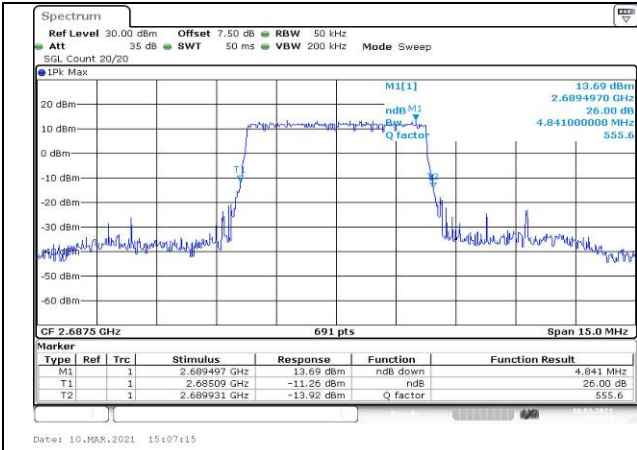


Fig.7

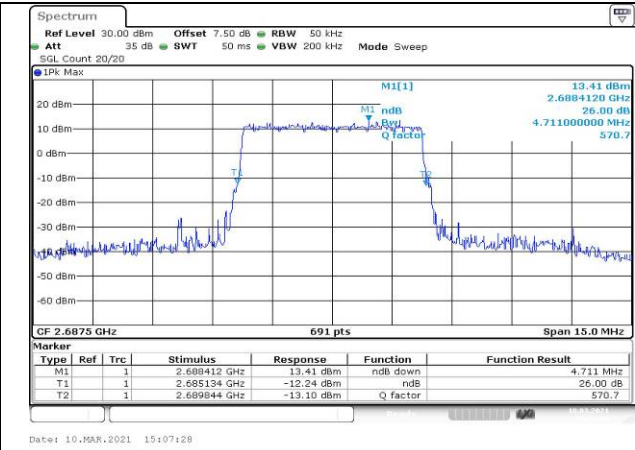


Fig.8

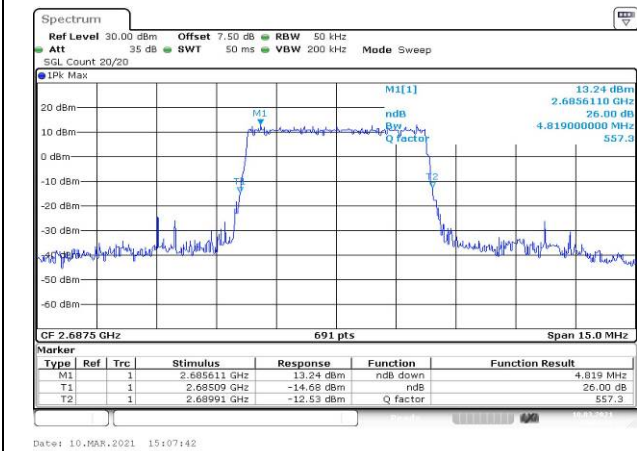


Fig.9

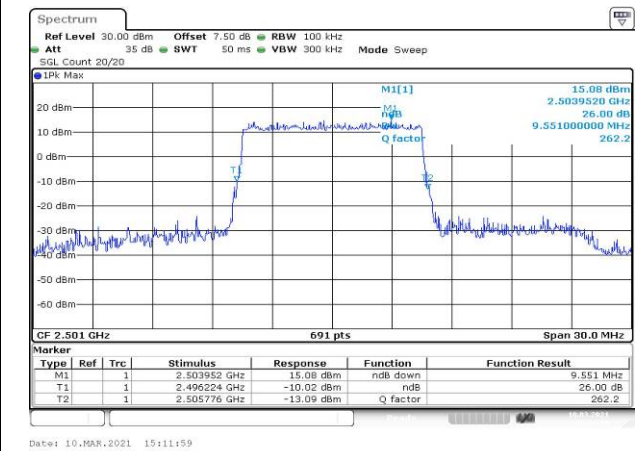


Fig.10

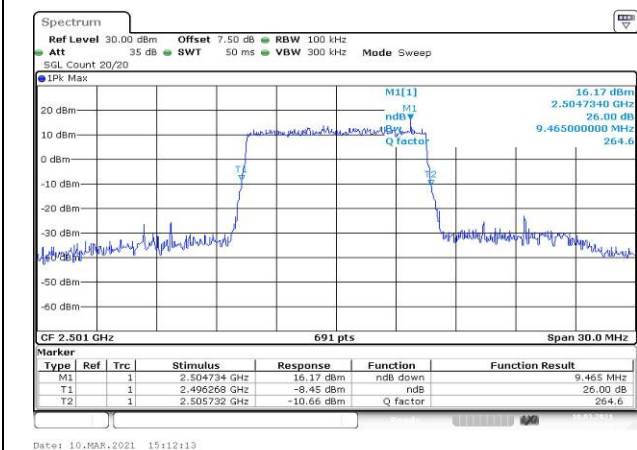


Fig.11

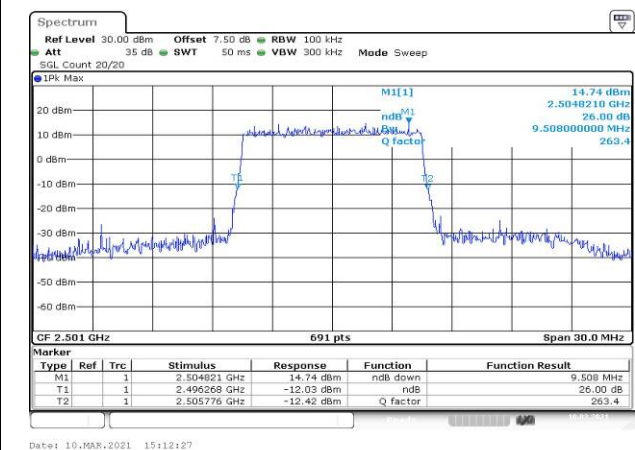


Fig.12

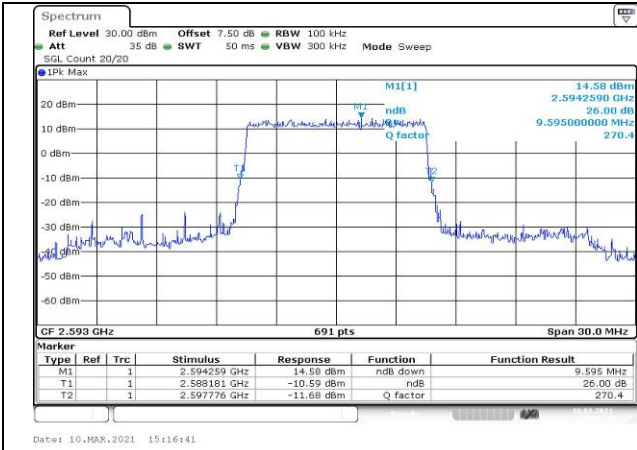


Fig.13

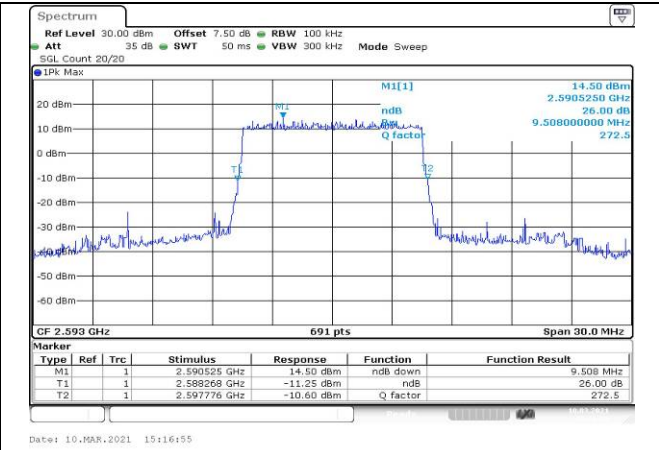


Fig.14

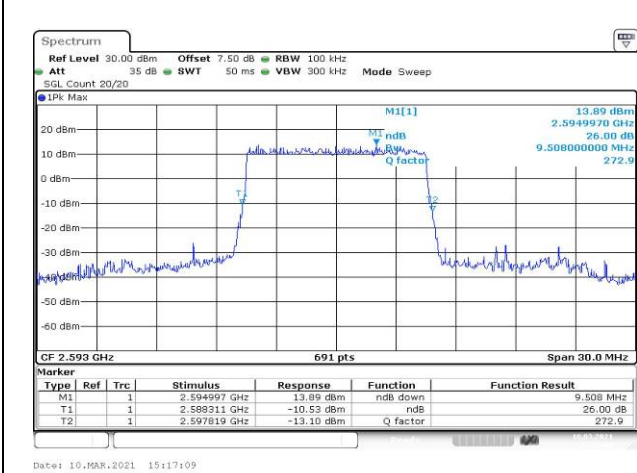


Fig.15

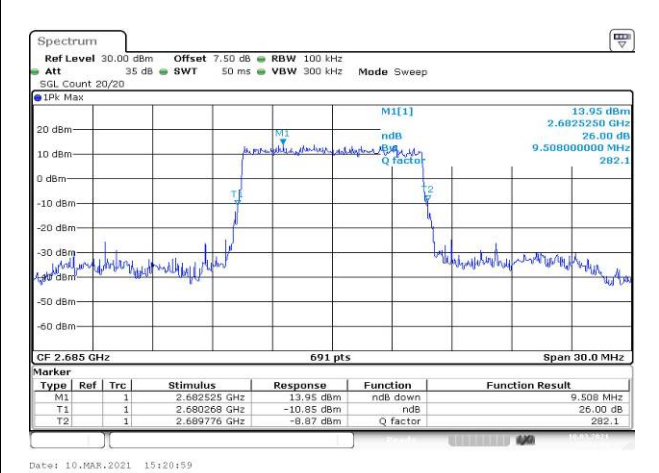


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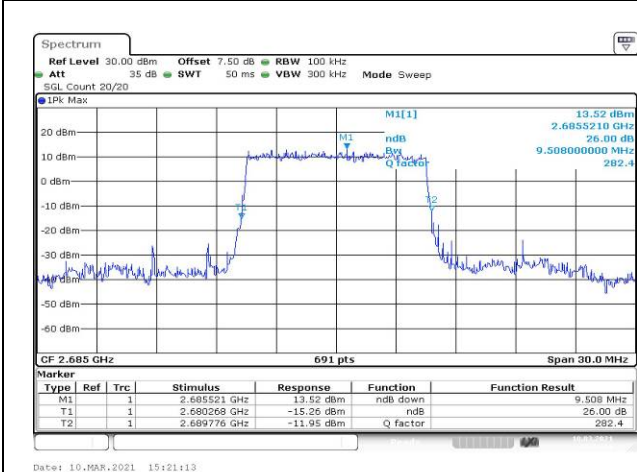


Fig.17

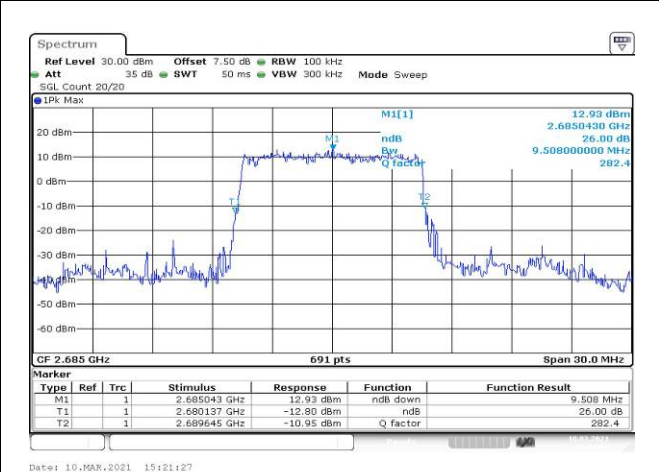


Fig.18

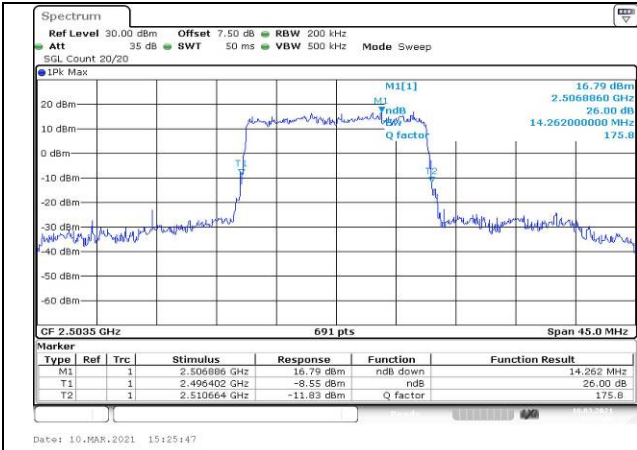


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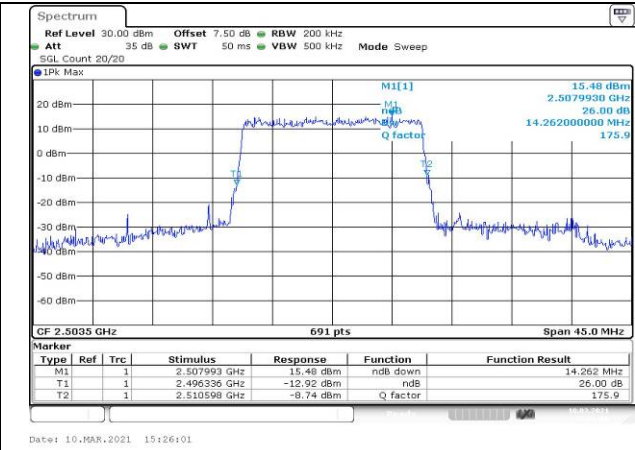


Fig.20

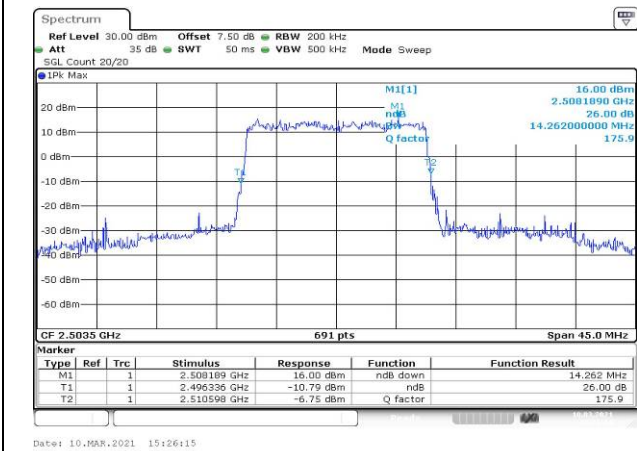


Fig.21

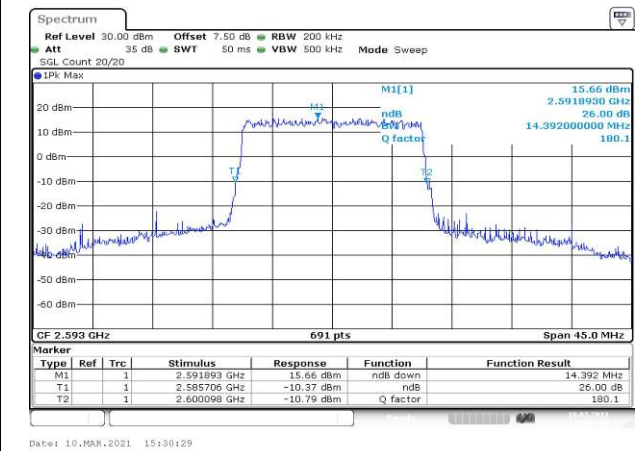


Fig.22

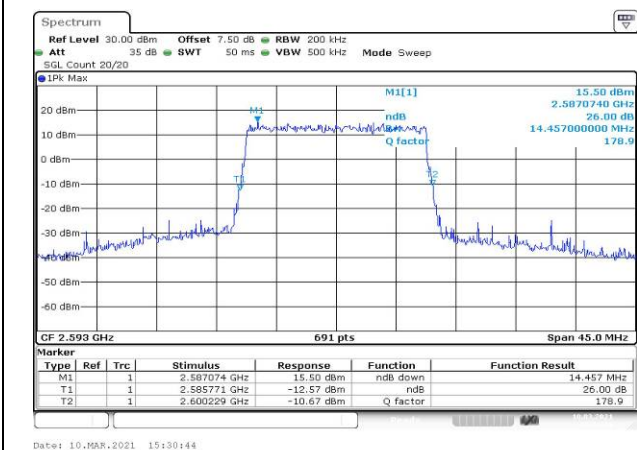


Fig.23

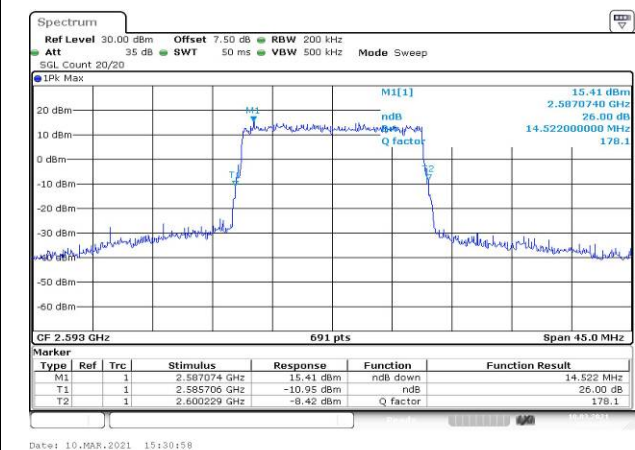


Fig.24

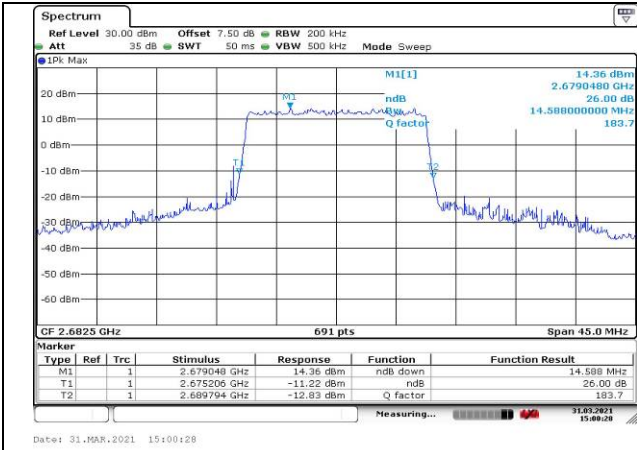


Fig.25

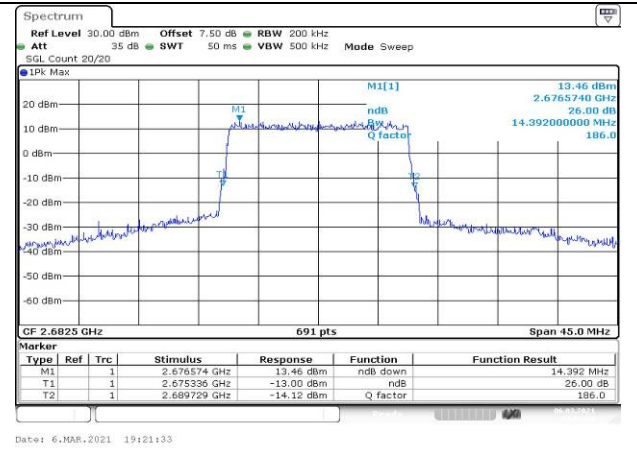


Fig.26

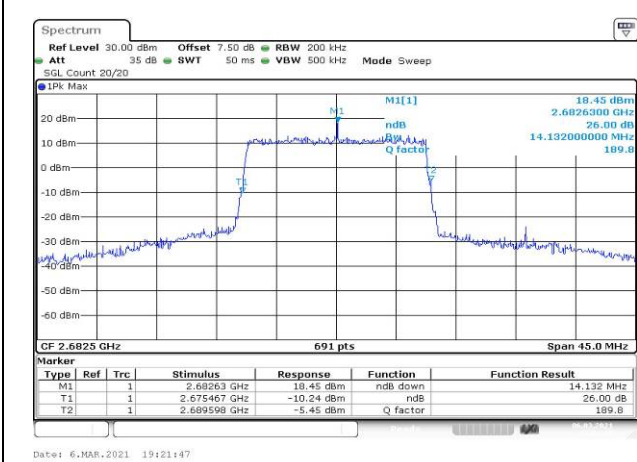


Fig.27

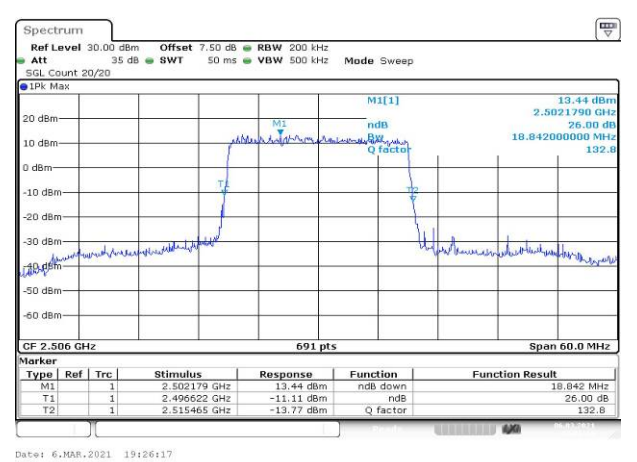


Fig.28

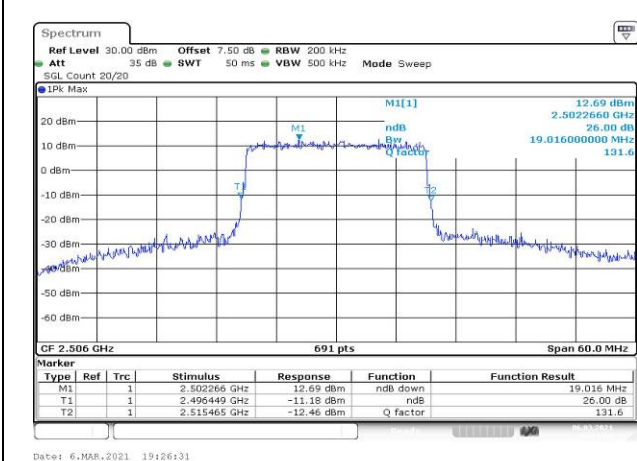


Fig.29

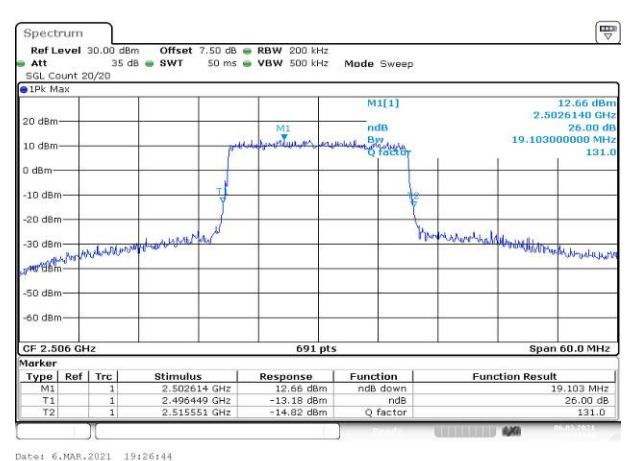


Fig.30

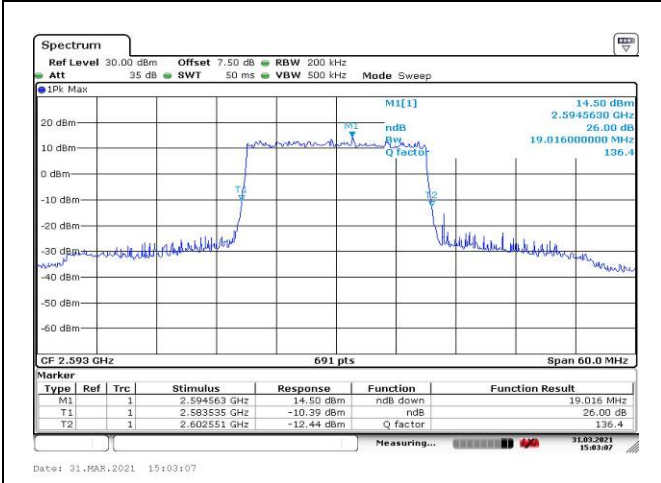


Fig.31

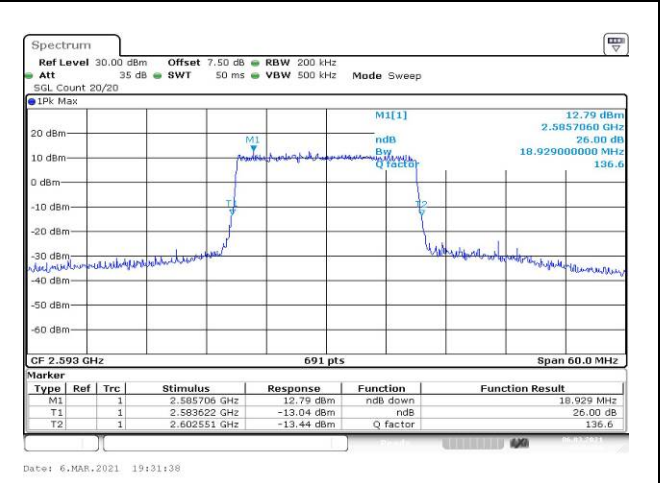


Fig.32

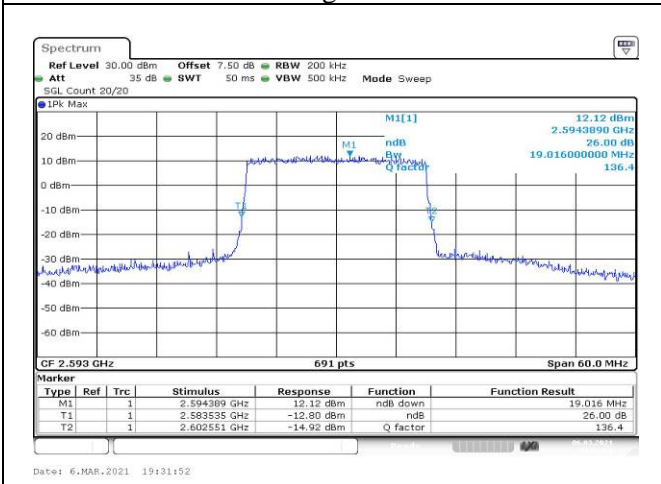


Fig.33

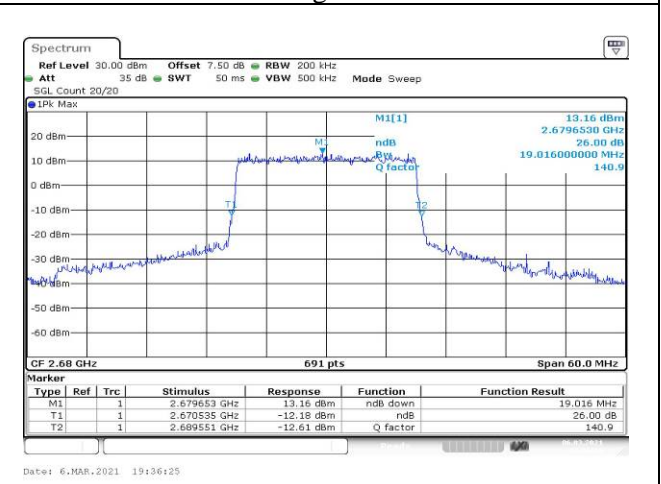


Fig.34

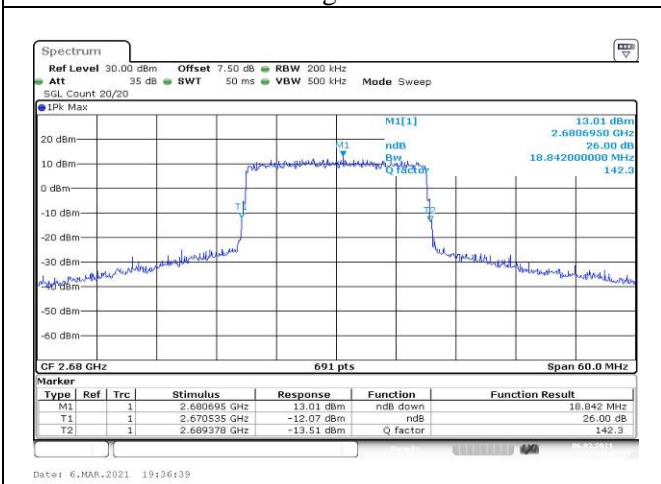


Fig.35

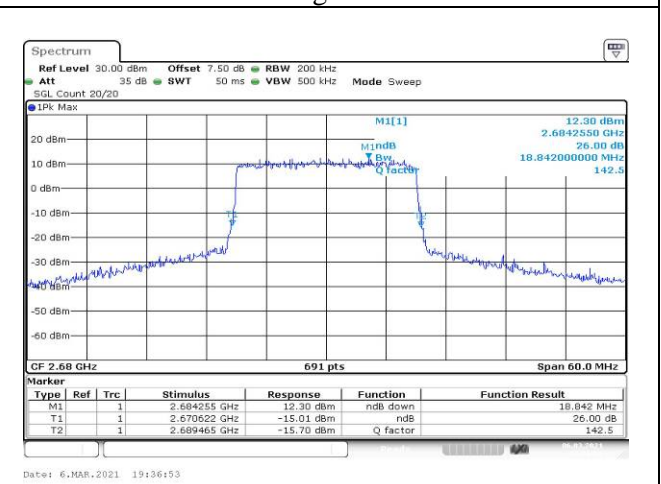


Fig.36

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	Fig.18
	2501	39700	10	1	49	Fig.19	Fig.20	Fig.21
	2501	39700		50	0	Fig.22	Fig.23	Fig.24
	2593	40620		1	49	Fig.25	Fig.26	Fig.27
	2593	40620		50	0	Fig.28	Fig.29	Fig.30
	2685	41540		1	49	Fig.31	Fig.32	Fig.33
	2685	41540		50	0	Fig.34	Fig.35	Fig.36
	2503.5	39725	15	1	74	Fig.37	Fig.38	Fig.39
	2503.5	39725		75	0	Fig.40	Fig.41	Fig.42
	2593	40620		1	74	Fig.43	Fig.44	Fig.45
	2593	40620		75	0	Fig.46	Fig.47	Fig.48
	2682.5	41515		1	74	Fig.49	Fig.50	Fig.51
	2682.5	41515		75	0	Fig.52	Fig.53	Fig.54
	2506	39750	20	1	99	Fig.55	Fig.56	Fig.57
	2506	39750		100	0	Fig.58	Fig.59	Fig.60
2593	40620	1		99	Fig.61	Fig.62	Fig.63	
2593	40620	100		0	Fig.64	Fig.65	Fig.66	
2680	41490	1		99	Fig.67	Fig.68	Fig.69	
2680	41490	100		0	Fig.70	Fig.71	Fig.72	

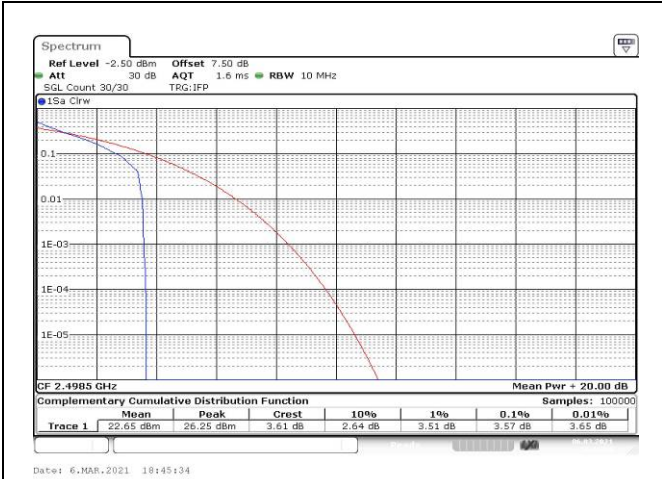


Fig.1

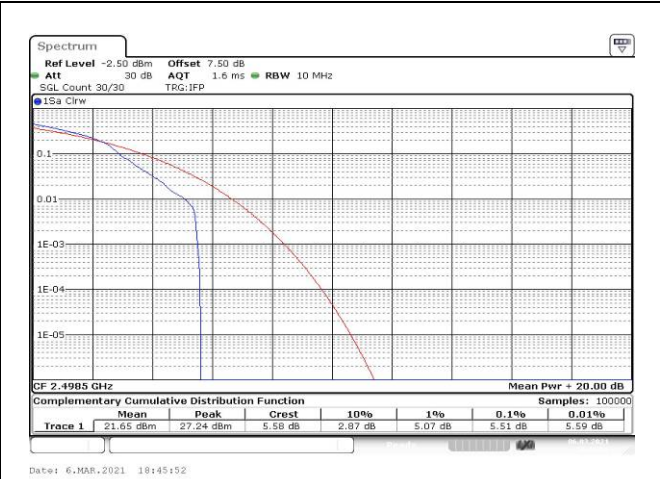


Fig.2

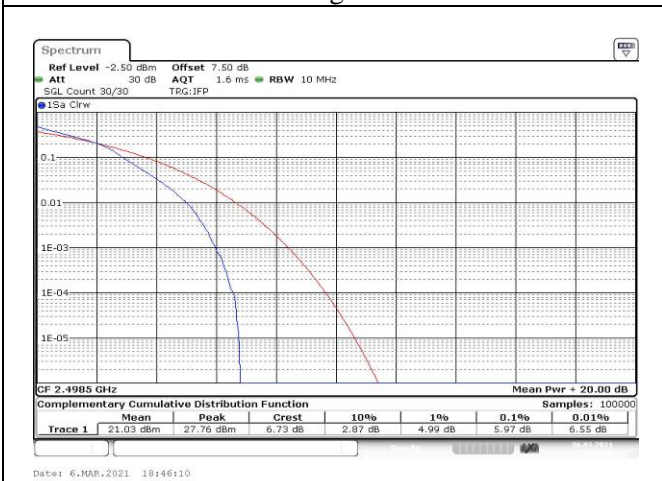


Fig.3

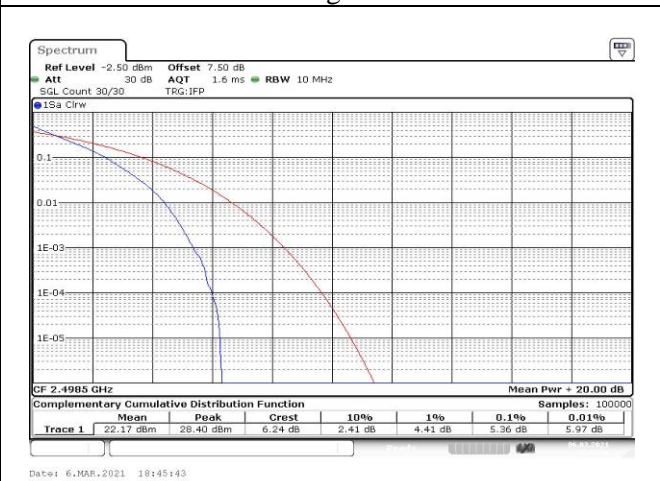


Fig.4

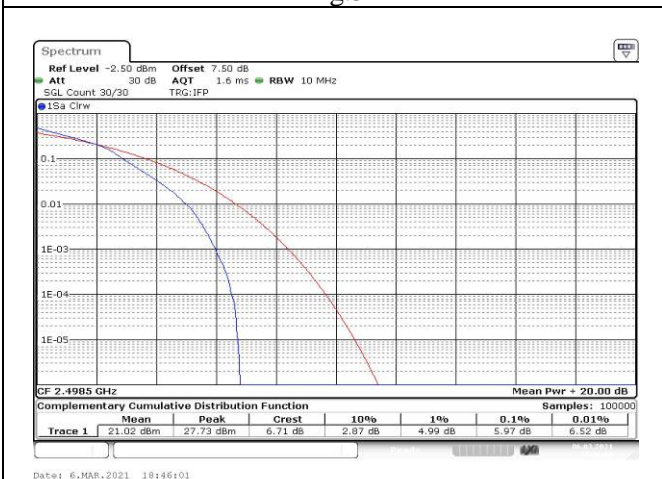


Fig.5

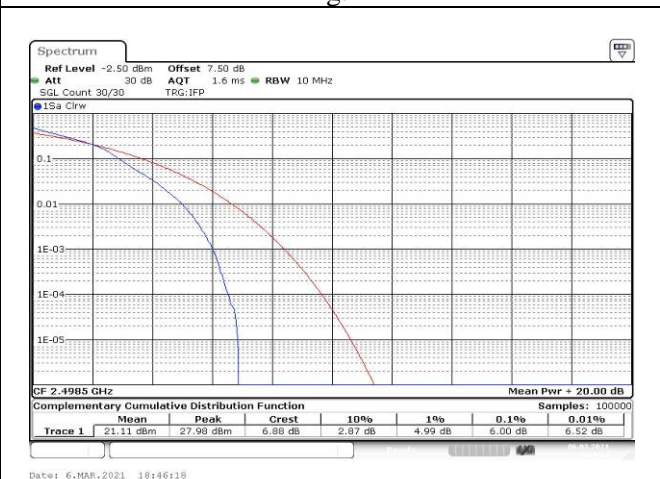


Fig.6

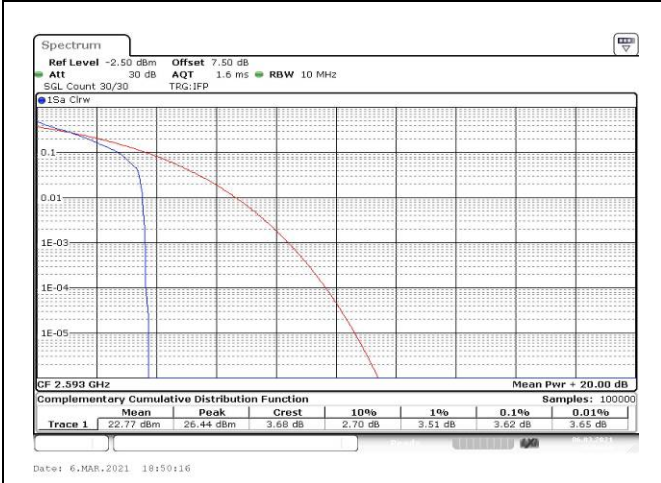


Fig.7

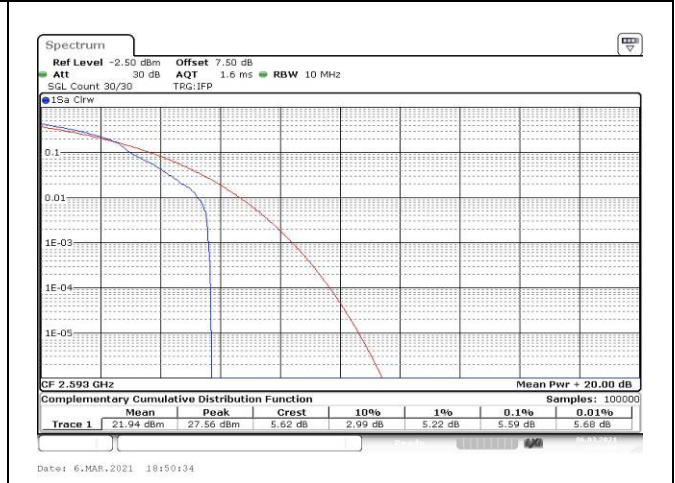


Fig.8

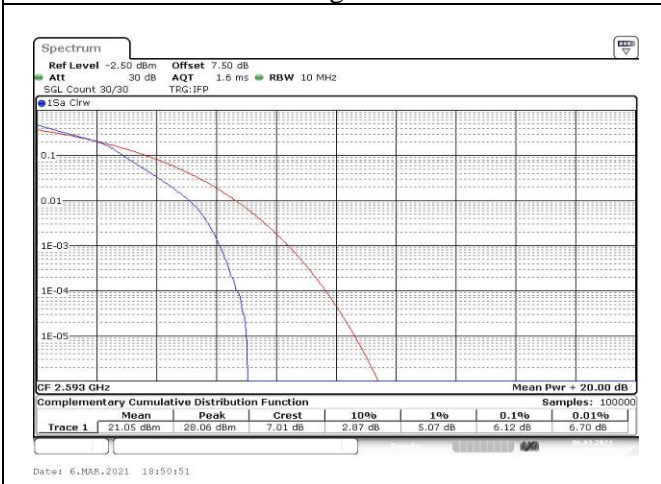


Fig.9

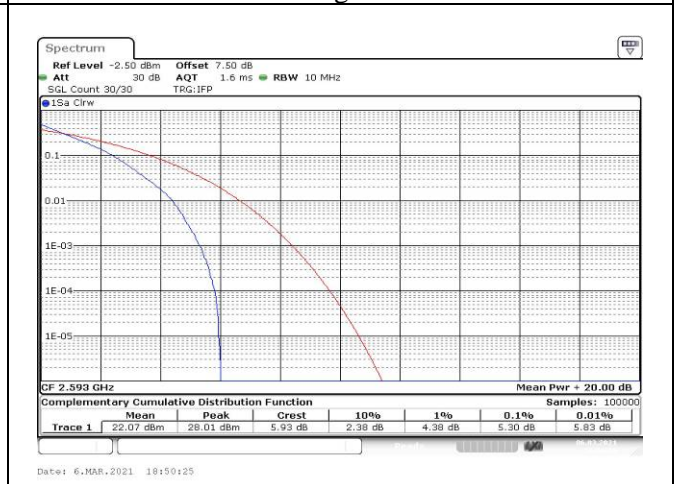


Fig.10

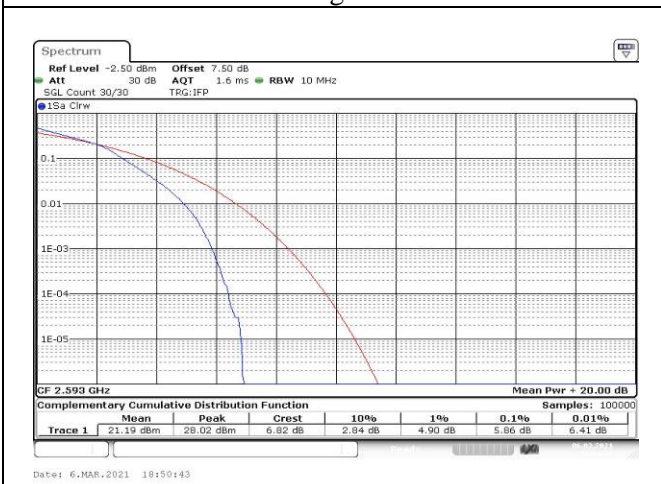


Fig.11

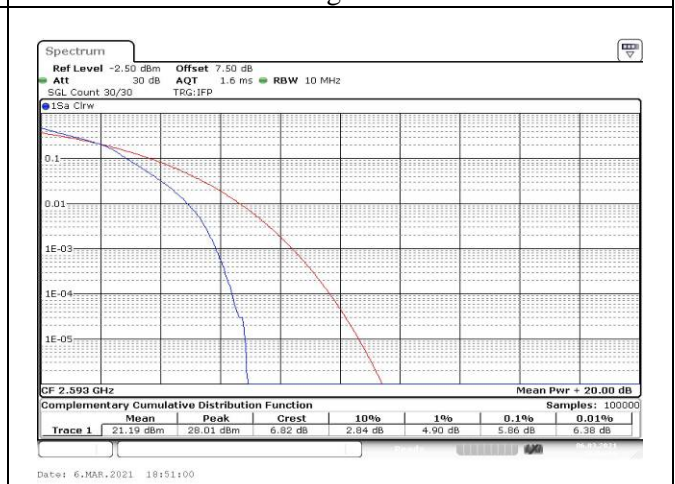


Fig.12

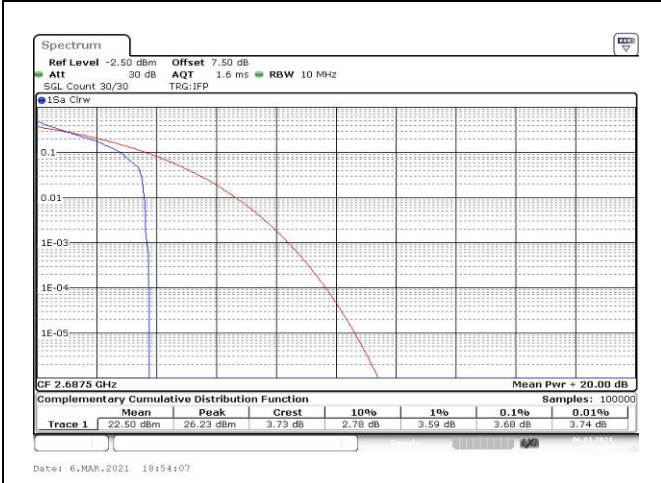


Fig.13

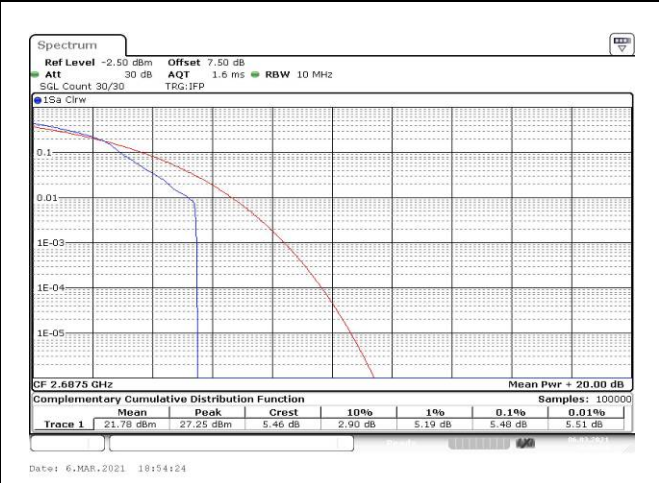


Fig.14

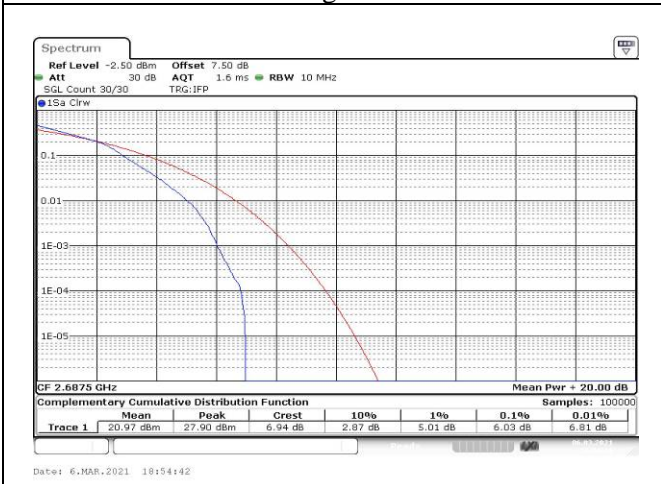


Fig.15

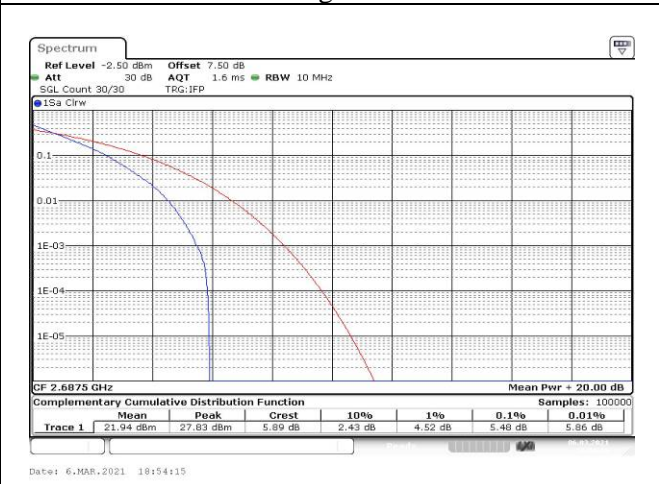


Fig.16



Fig.17

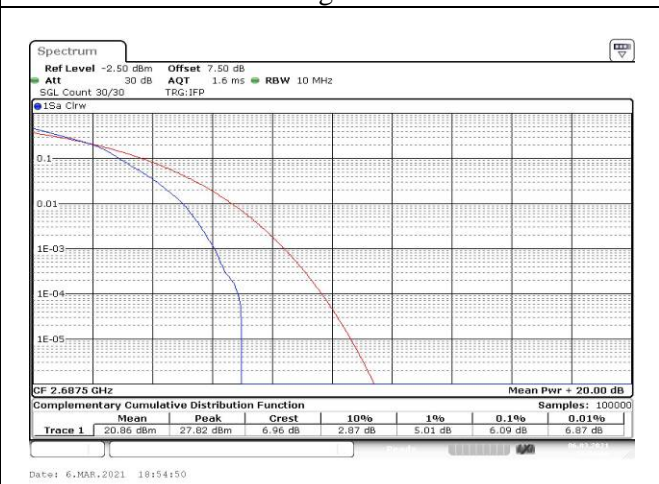


Fig.18