

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF Power Output

Tx Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2502.5	20775	5	1	0	23.29	
				1	12	23.13	
				1	24	23.08	
				12	0	22.11	
				12	7	22.02	
				12	13	22.01	
				25	0	22.12	
	2535	21100		1	0	23.37	
				1	12	23.42	
				1	24	23.40	
				12	0	22.31	
				12	7	22.43	
				12	13	22.42	
				25	0	22.26	
	2567.5	21425		1	0	23.12	
				1	12	22.81	
				1	24	22.79	
				12	0	22.33	
				12	7	22.28	
				12	13	22.27	
				25	0	22.34	
	16QAM	2502.5		20775	1	0	21.67
					1	12	21.34
					1	24	21.52
12					0	21.46	
12					7	21.08	
12					13	21.07	
25					0	21.26	
2535		21100	1	0	22.13		
			1	12	22.07		
			1	24	22.02		
			12	0	21.31		
			12	7	21.23		
			12	13	21.29		
			25	0	21.62		
2567.5		21425	1	0	21.81		
			1	12	21.75		
			1	24	21.87		
			12	0	21.28		
			12	7	21.29		
			12	13	21.27		
			25	0	21.43		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	21.25
				1	12	21.25
				1	24	21.24
				12	0	21.21
				12	7	21.22
				12	13	21.22
				25	0	21.35
	2535	21100		1	0	21.42
				1	12	21.78
				1	24	21.61
				12	0	21.61
				12	7	21.96
				12	13	21.78
				25	0	21.60
	2567.5	21425		1	0	21.43
				1	12	21.41
				1	24	21.45
				12	0	21.43
				12	7	21.43
				12	13	21.43
				25	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2505	20800	10	1	0	23.21	
				1	25	23.07	
				1	49	23.07	
				25	0	22.19	
				25	12	22.25	
				25	25	22.25	
				50	0	22.12	
	2535	21100		1	0	23.25	
				1	25	23.40	
				1	49	23.40	
				25	0	22.33	
				25	12	22.46	
				25	25	22.46	
				50	0	22.38	
	2565	21400		1	0	23.47	
				1	25	23.30	
				1	49	23.29	
				25	0	22.34	
				25	12	22.29	
				25	25	22.29	
				50	0	22.37	
	16QAM	2505		20800	1	0	22.61
					1	25	22.55
					1	49	22.27
25					0	21.18	
25					12	21.31	
25					25	21.31	
50					0	21.28	
2535		21100		1	0	23.04	
				1	25	23.21	
			1	49	23.27		
			25	0	21.49		
			25	12	21.49		
			25	25	21.49		
			50	0	21.91		
2565		21400	1	0	21.97		
			1	25	21.89		
			1	49	21.88		
			25	0	21.45		
			25	12	21.46		
			25	25	21.46		
			50	0	21.42		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	21.28
				1	25	21.17
				1	49	21.17
				25	0	21.28
				25	12	21.28
				25	25	21.28
				50	0	21.29
	2535	21100		1	0	21.90
				1	25	21.90
				1	49	21.90
				25	0	21.90
				25	12	21.90
				25	25	21.91
				50	0	21.90
	2565	21400		1	0	21.43
				1	25	21.42
				1	49	21.48
				25	0	21.37
				25	12	21.43
				25	25	21.37
				50	0	21.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2507.5	20825	15	1	0	23.40	
				1	37	23.09	
				1	74	23.08	
				36	0	22.01	
				36	29	22.32	
				36	30	22.20	
				75	0	22.34	
	2535	21100		1	0	23.30	
				1	37	23.36	
				1	74	23.34	
				36	0	22.36	
				36	29	22.44	
				36	30	22.23	
				75	0	22.28	
	2562.5	21375		1	0	23.45	
				1	37	23.25	
				1	74	23.22	
				36	0	22.41	
				36	29	22.35	
				36	30	22.34	
				75	0	22.23	
	16QAM	2507.5		20825	1	0	22.55
					1	37	22.42
					1	74	22.44
36					0	21.32	
36					29	21.31	
36					30	21.31	
75					0	21.21	
2535		21100		1	0	22.58	
				1	37	22.78	
			1	74	22.78		
			36	0	21.42		
			36	29	21.44		
			36	30	21.46		
			75	0	21.87		
2562.5		21375	1	0	22.90		
			1	37	22.77		
			1	74	22.59		
			36	0	21.35		
			36	29	21.39		
			36	30	21.39		
			75	0	21.37		

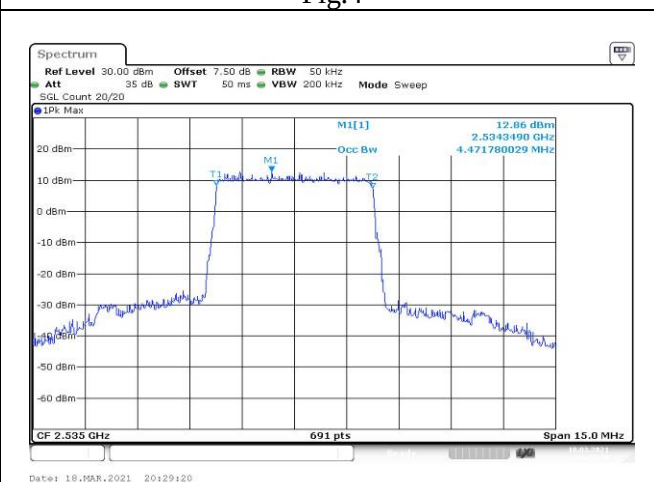
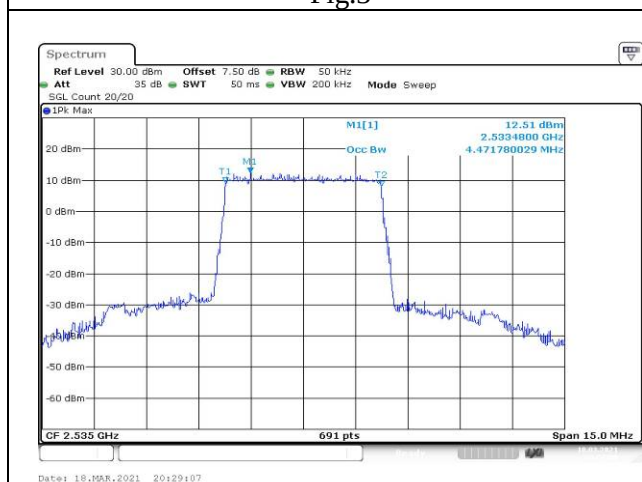
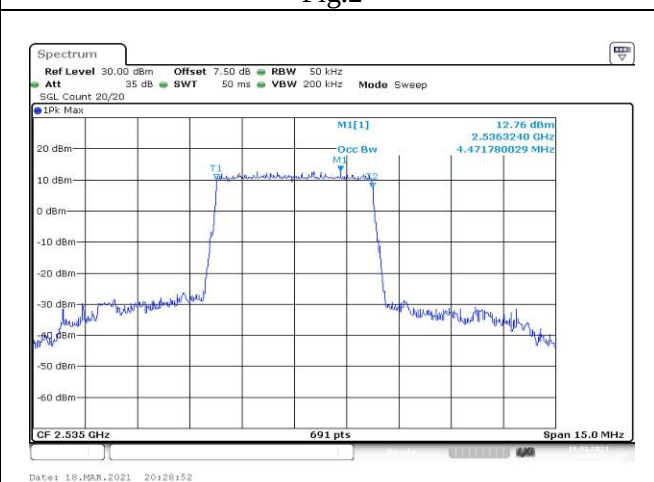
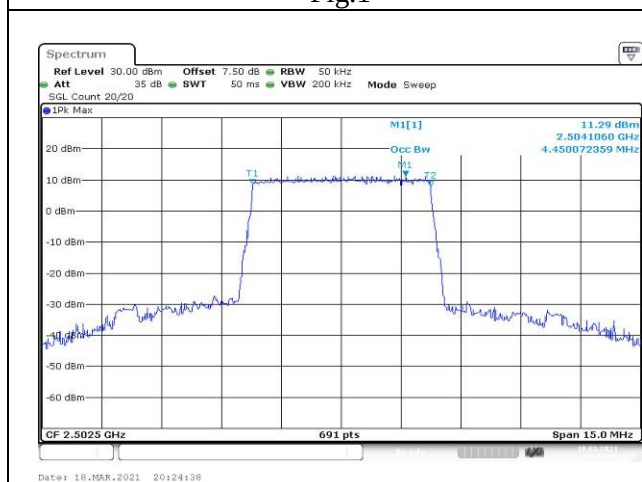
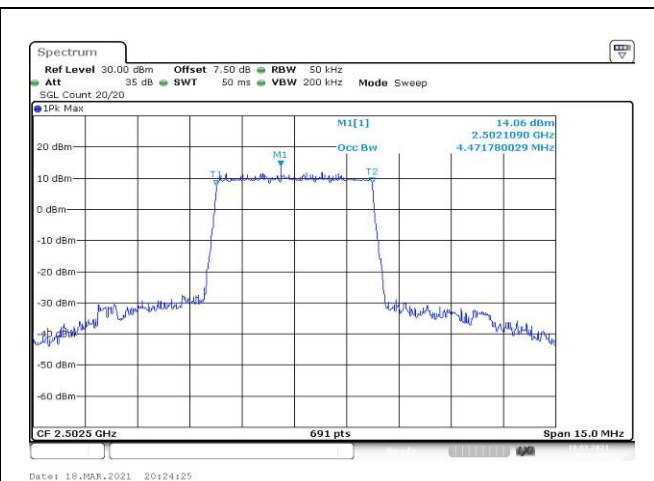
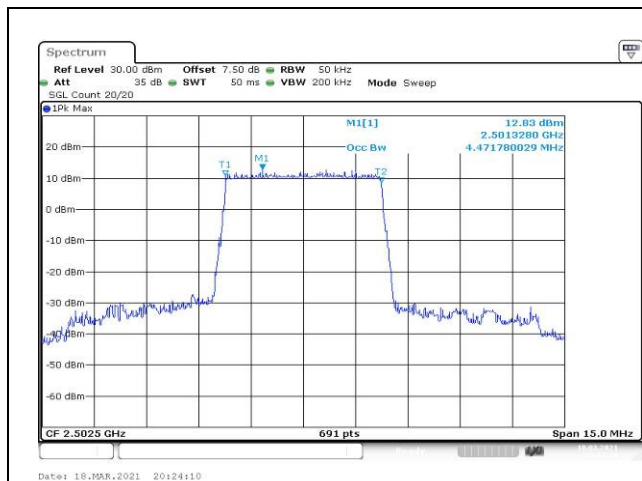
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	21.30
				1	37	21.35
				1	74	21.47
				36	0	21.35
				36	29	21.28
				36	30	21.28
				75	0	21.35
	2535	21100		1	0	21.81
				1	37	21.81
				1	74	21.81
				36	0	21.81
				36	29	21.81
				36	30	21.81
				75	0	21.81
	2562.5	21375		1	0	21.37
				1	37	21.38
				1	74	21.39
				36	0	21.39
				36	29	21.39
				36	30	21.39
				75	0	21.40

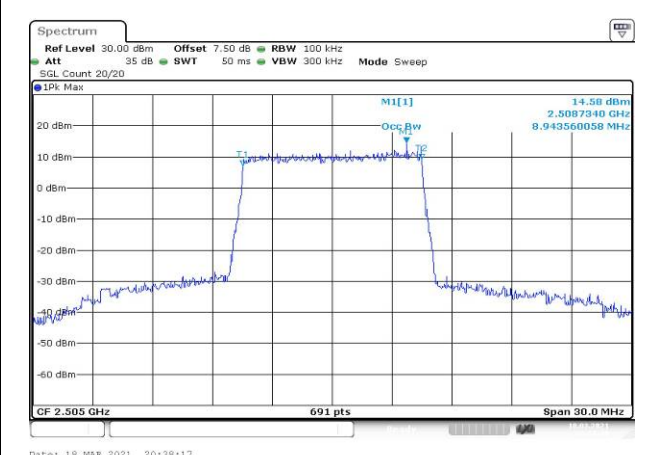
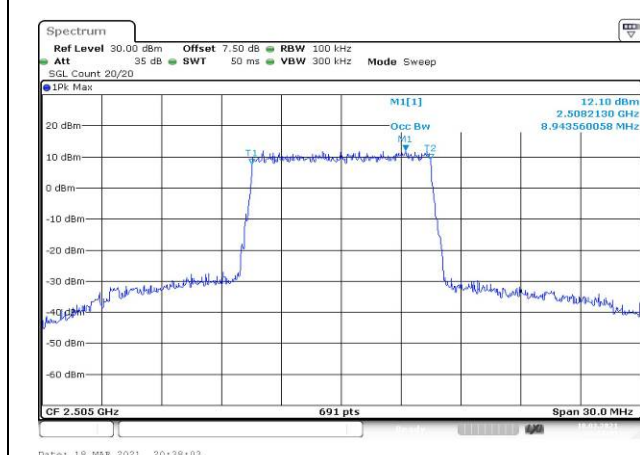
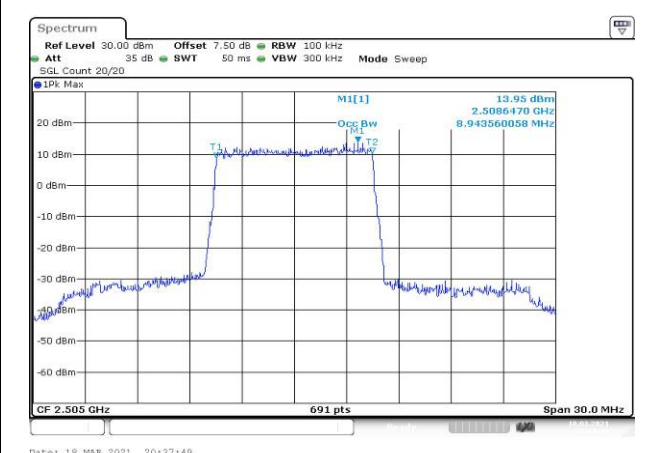
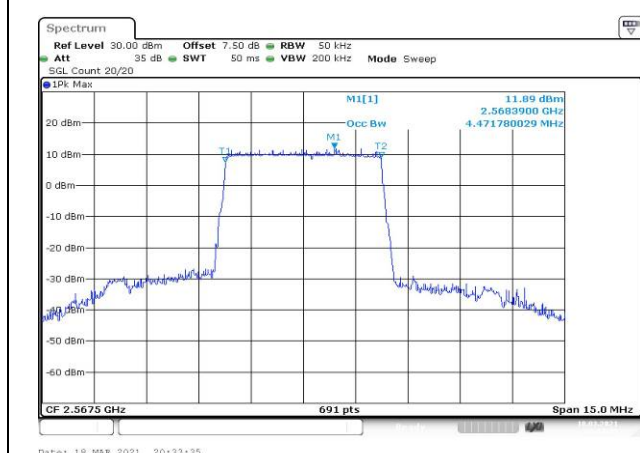
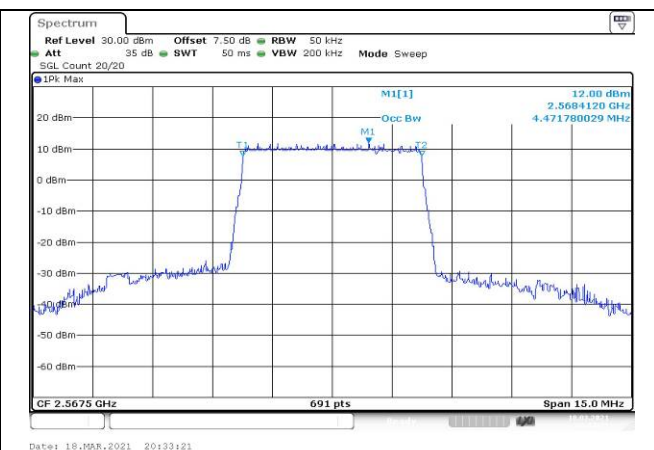
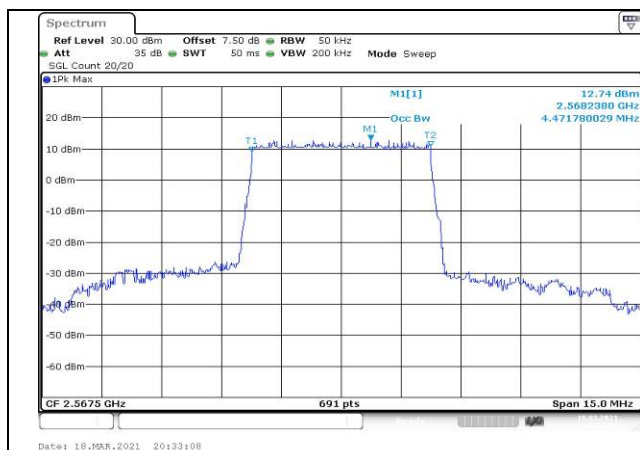
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.36
				1	49	23.17
				1	99	23.17
				50	0	22.07
				50	24	22.09
				50	50	22.09
				100	0	22.02
	2535	21100		1	0	23.36
				1	49	23.55
				1	99	23.48
				50	0	22.17
				50	24	22.39
				50	50	22.38
				100	0	22.61
	2560	21350		1	0	23.56
				1	49	23.39
				1	99	23.37
				50	0	22.45
				50	24	22.21
				50	50	22.31
				100	0	22.36
16QAM	2510	20850	1	0	22.07	
			1	49	21.82	
			1	99	21.83	
			50	0	21.24	
			50	24	21.33	
			50	50	21.33	
			100	0	21.61	
	2535	21100	1	0	22.88	
			1	49	23.02	
			1	99	23.02	
			50	0	21.49	
			50	24	21.52	
			50	50	21.52	
			100	0	21.73	
	2560	21350	1	0	23.15	
			1	49	23.07	
			1	99	22.94	
			50	0	21.47	
			50	24	21.32	
			50	50	21.50	
			100	0	21.51	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	21.61
				1	49	21.60
				1	99	21.60
				50	0	21.60
				50	24	21.60
				50	50	21.60
				100	0	21.60
	2535	21100		1	0	21.73
				1	49	21.73
				1	99	21.73
				50	0	21.73
				50	24	21.73
				50	50	21.72
				100	0	21.73
	2560	21350		1	0	21.52
				1	49	21.52
				1	99	21.52
				50	0	21.52
				50	24	21.52
				50	50	21.53
				100	0	21.53

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	4.450	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	13.480	Fig.19	13.415	Fig.20	13.480	Fig.21
	2535	21100		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2562.5	21375		75	0	13.480	Fig.25	13.415	Fig.26	13.480	Fig.27
	2510	20850	20	100	0	17.887	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





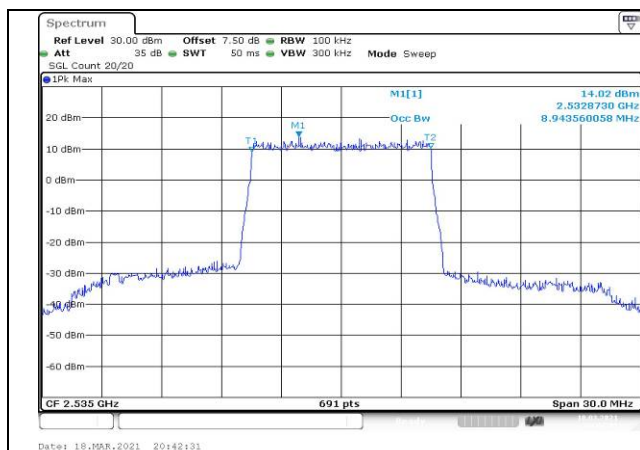


Fig.13

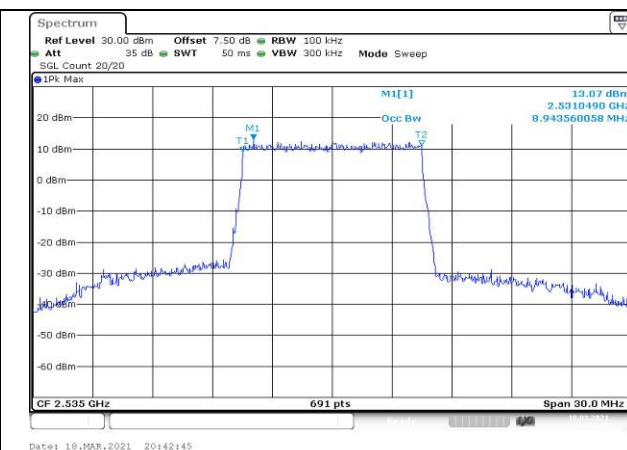


Fig.14

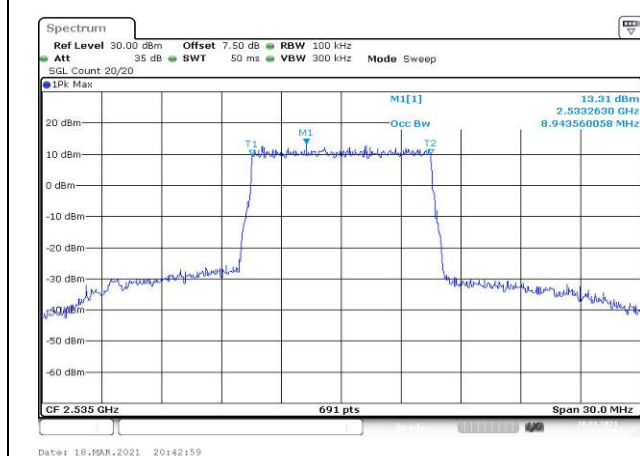


Fig.15

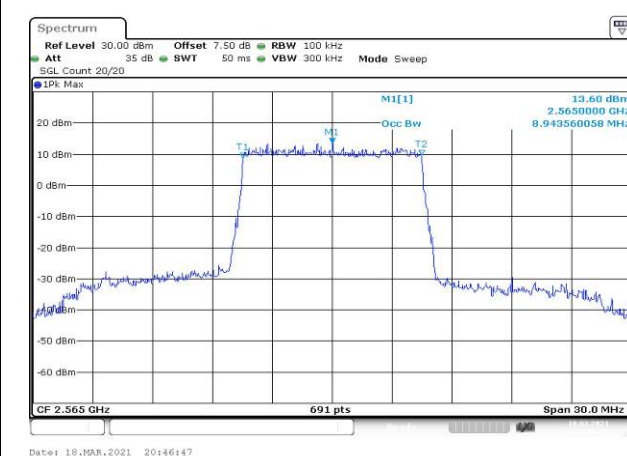


Fig.16

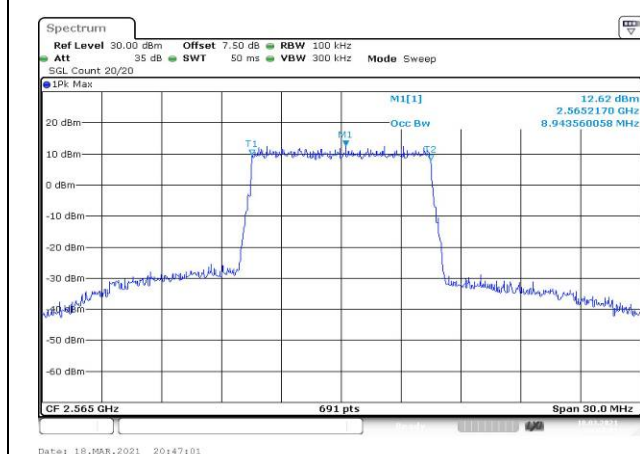


Fig.17

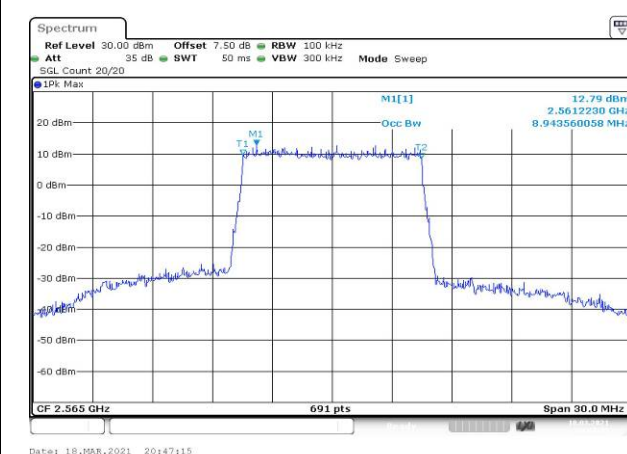
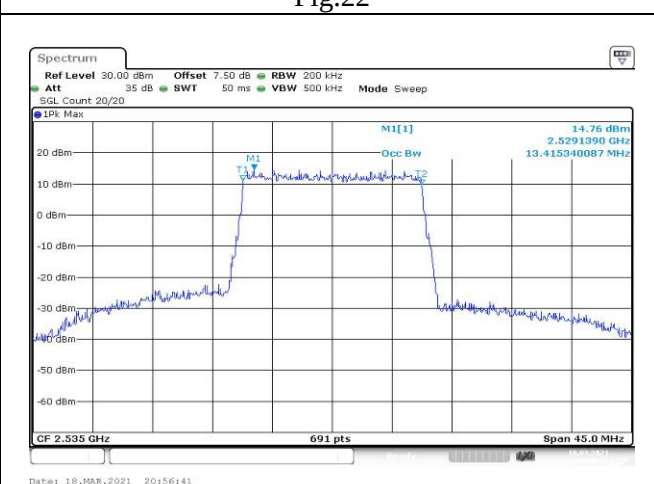
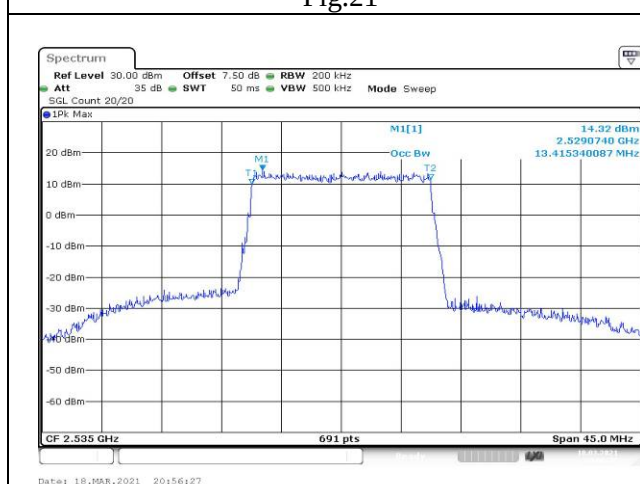
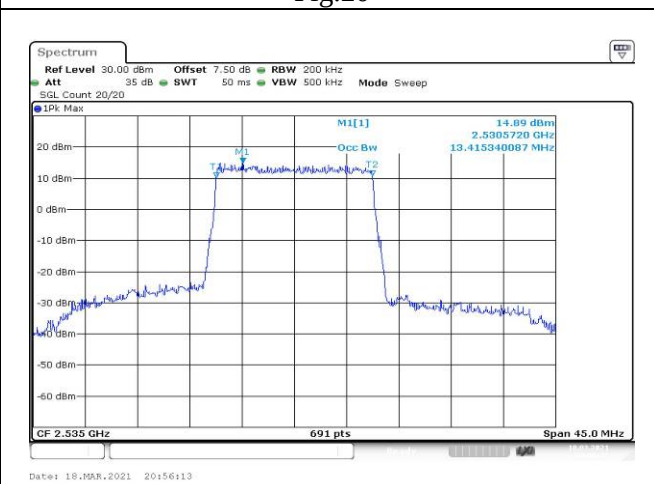
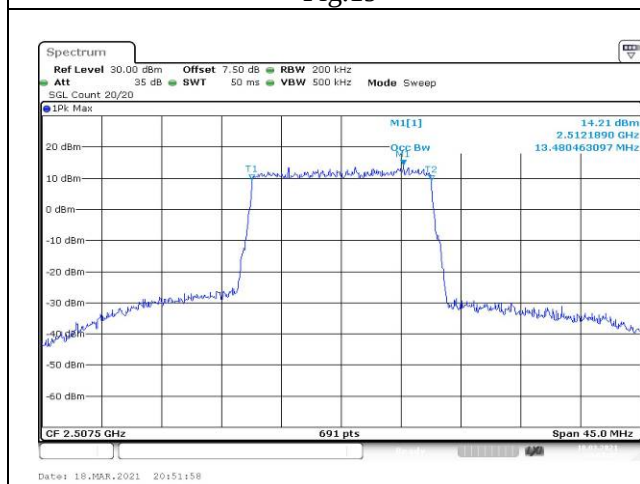
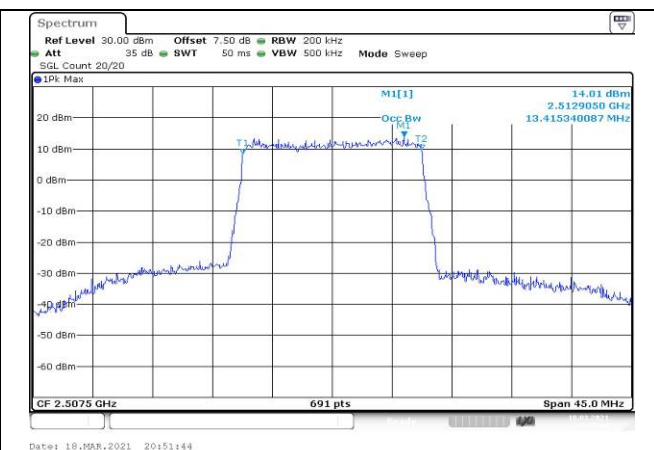
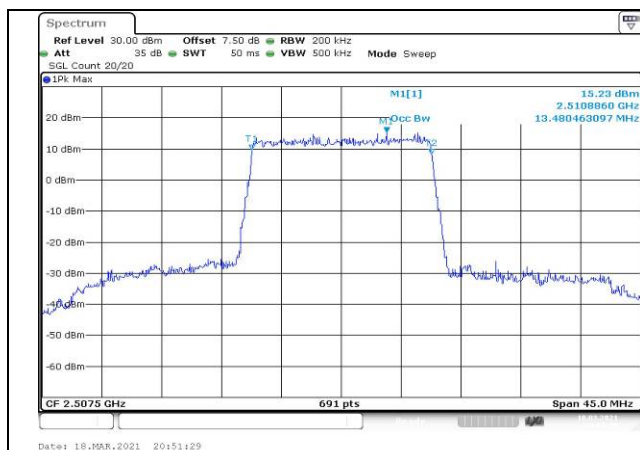
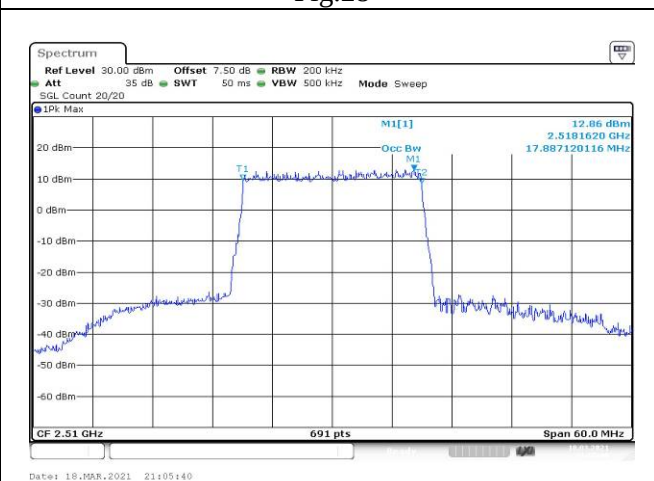
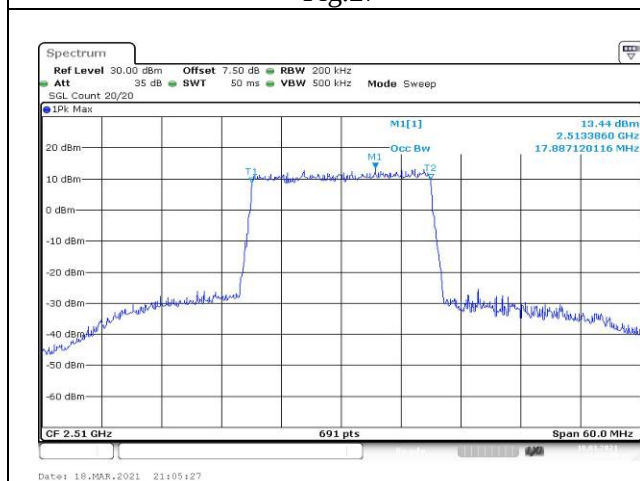
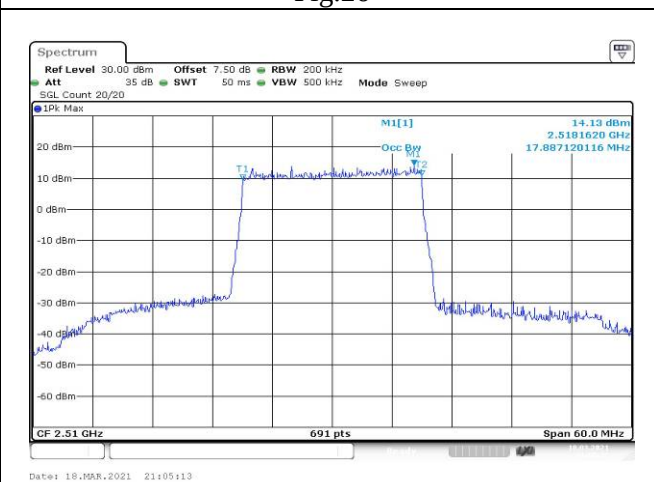
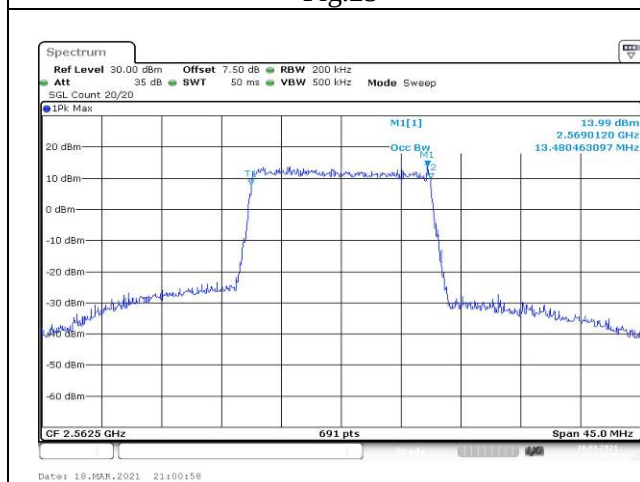
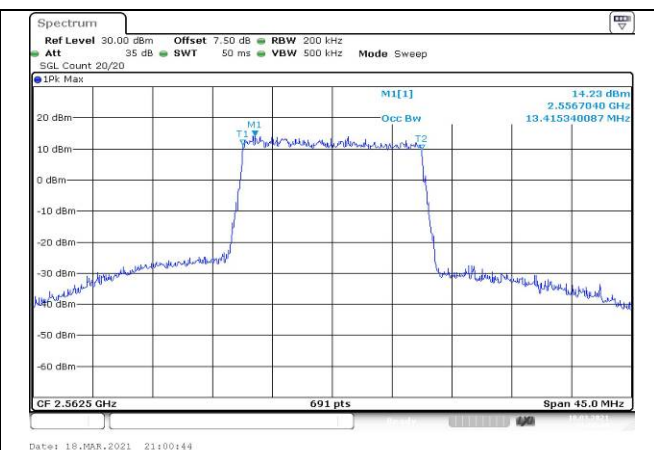
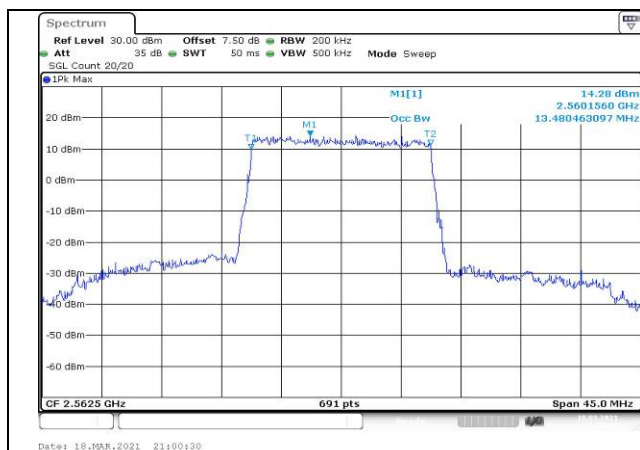


Fig.18





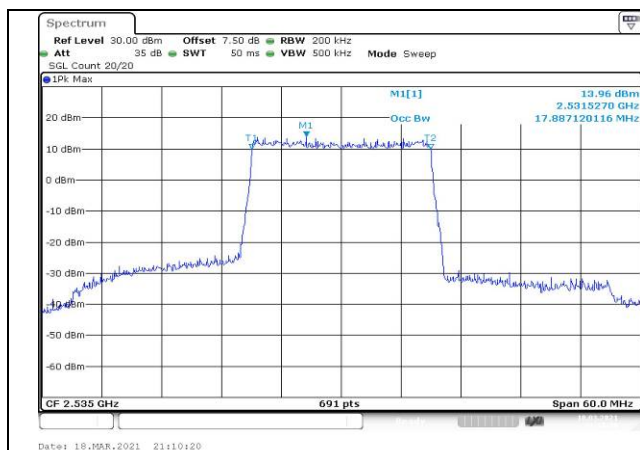


Fig.31

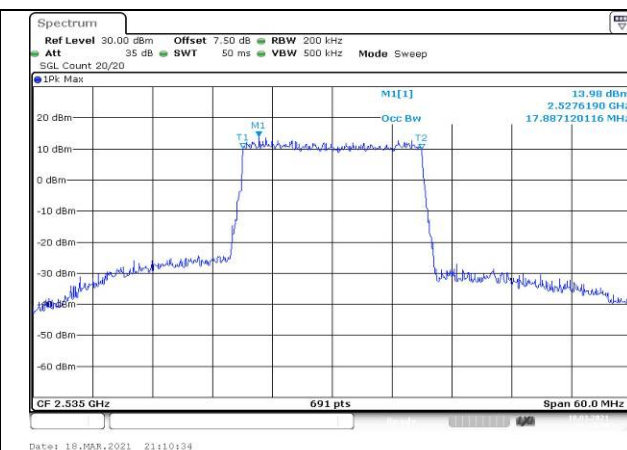


Fig.32

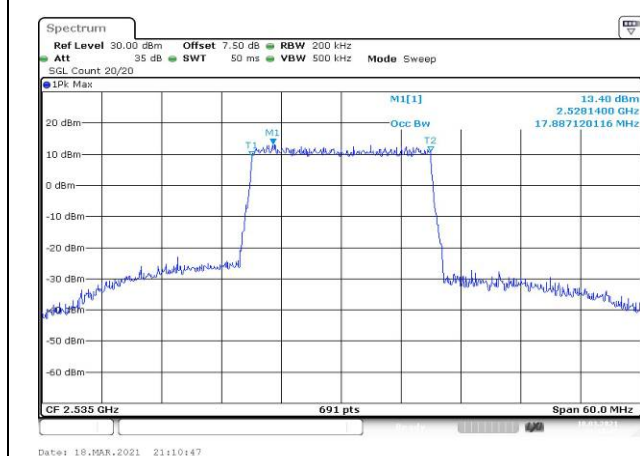


Fig.33

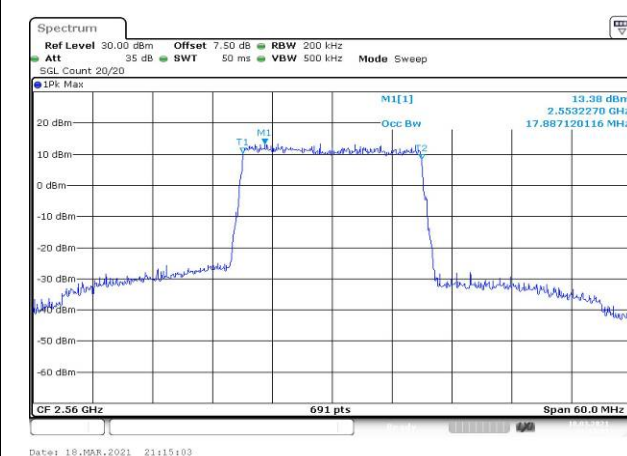


Fig.34

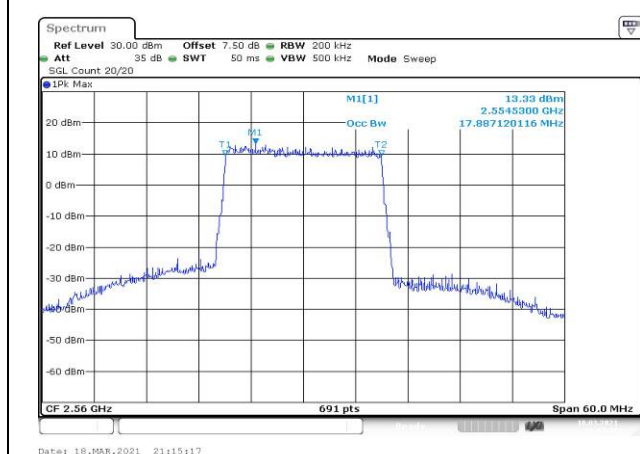


Fig.35

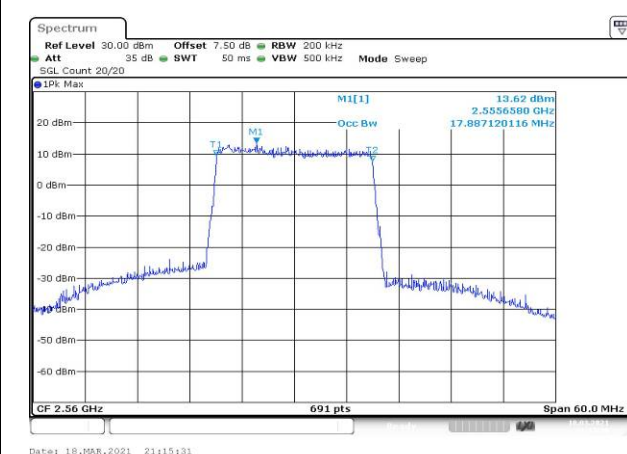


Fig.36

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	4.906	Fig.1	4.884	Fig.2	4.863	Fig.3
	2535	21100		25	0	4.863	Fig.4	4.863	Fig.5	4.928	Fig.6
	2567.5	21425		25	0	4.928	Fig.7	4.906	Fig.8	4.884	Fig.9
	2505	20800	10	50	0	9.768	Fig.10	9.595	Fig.11	9.682	Fig.12
	2535	21100		50	0	9.682	Fig.13	9.551	Fig.14	9.768	Fig.15
	2565	21400		50	0	9.725	Fig.16	9.768	Fig.17	9.768	Fig.18
	2507.5	20825	15	75	0	14.783	Fig.19	14.783	Fig.20	14.718	Fig.21
	2535	21100		75	0	14.783	Fig.22	14.783	Fig.23	14.653	Fig.24
	2562.5	21375		75	0	14.783	Fig.25	14.718	Fig.26	14.718	Fig.27
	2510	20850	20	100	0	19.190	Fig.28	19.363	Fig.29	19.276	Fig.30
	2535	21100		100	0	19.450	Fig.31	19.450	Fig.32	19.450	Fig.33
	2560	21350		100	0	19.276	Fig.34	19.190	Fig.35	19.537	Fig.36

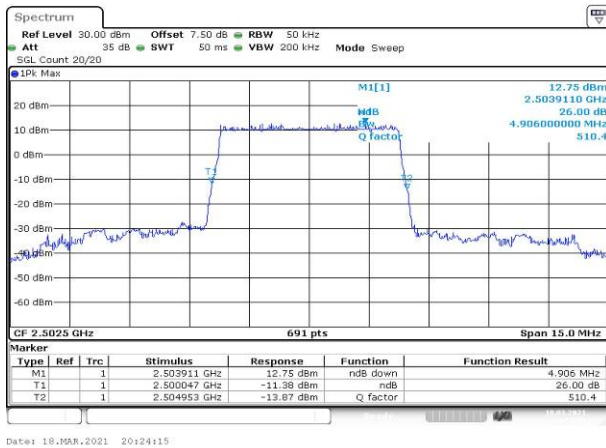


Fig.1

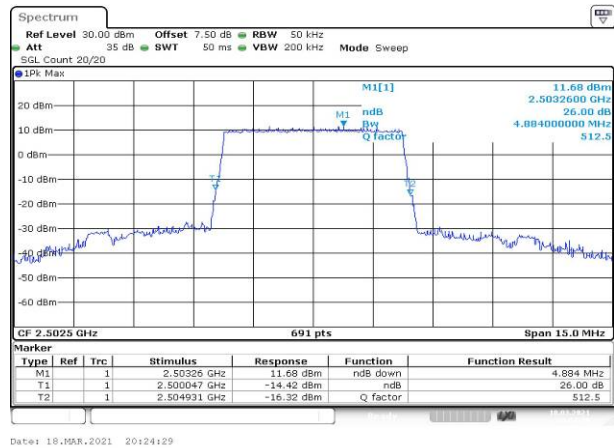


Fig.2

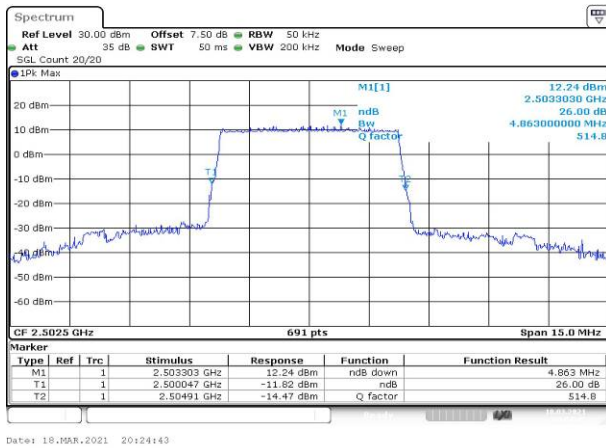


Fig.3

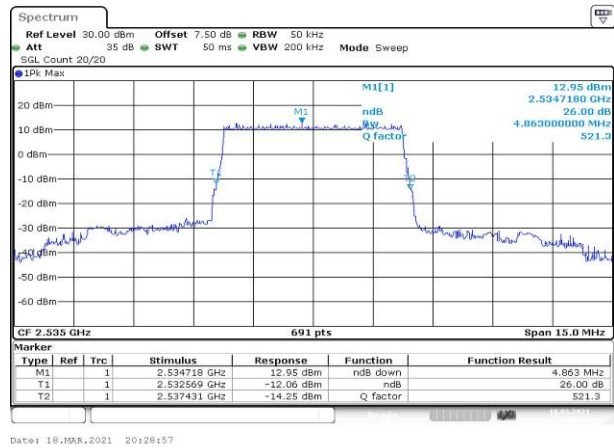


Fig.4

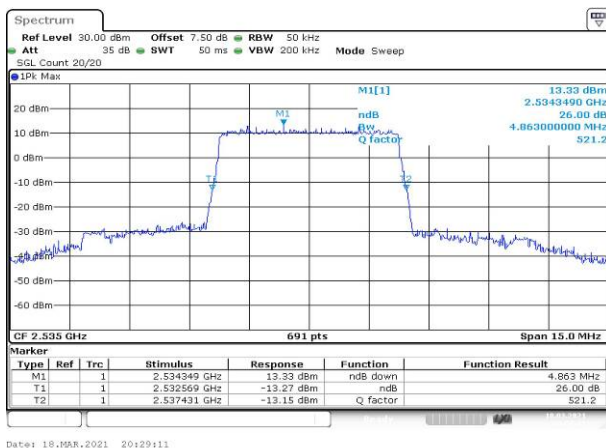


Fig.5

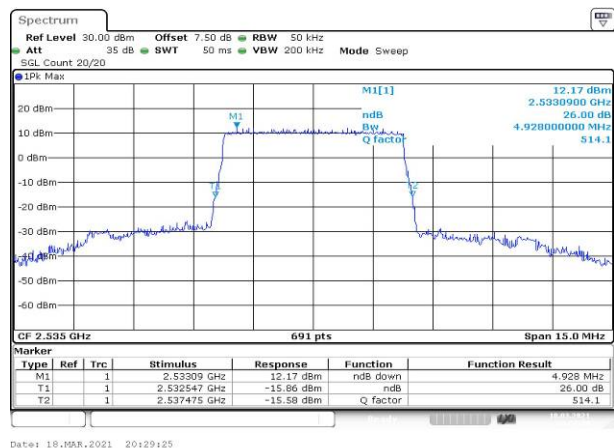


Fig.6

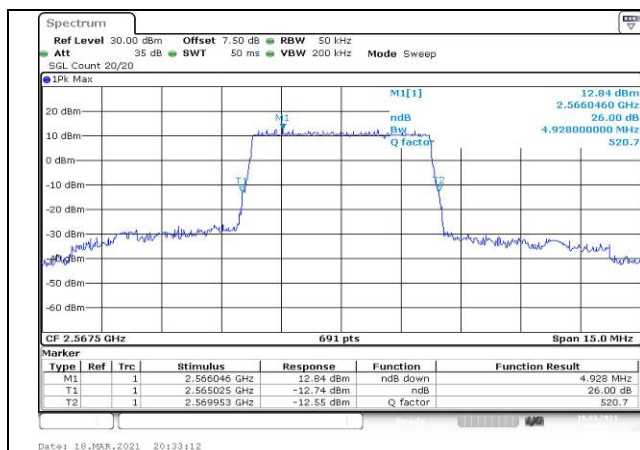


Fig.7

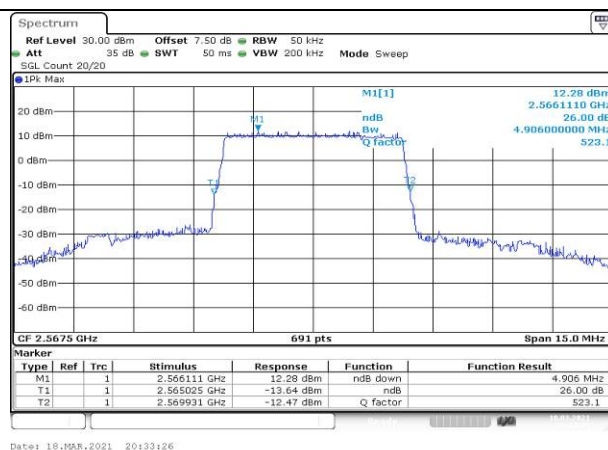


Fig.8

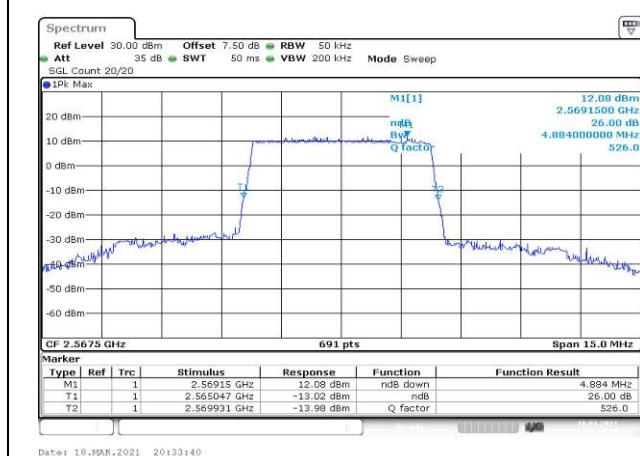


Fig.9

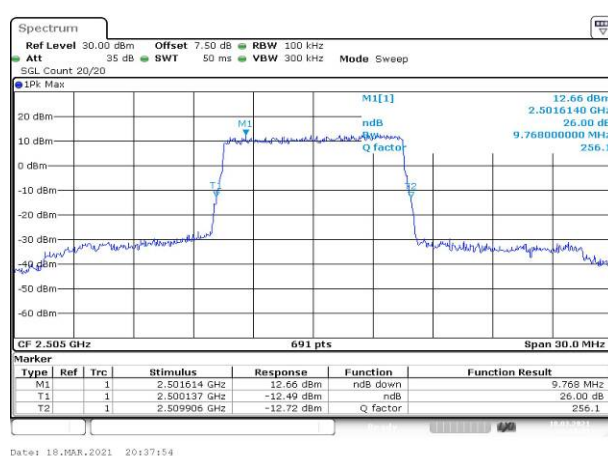


Fig.10

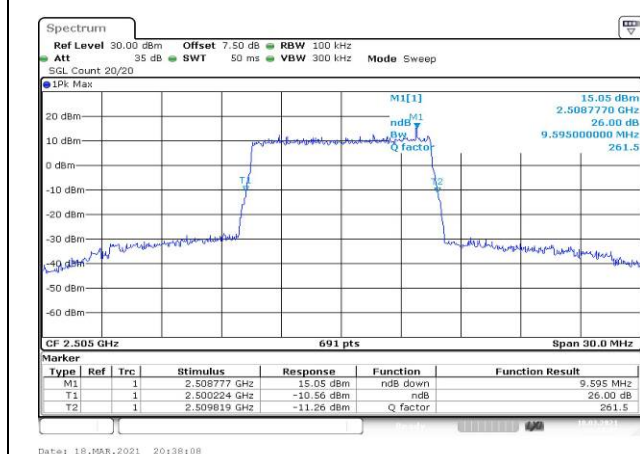


Fig.11

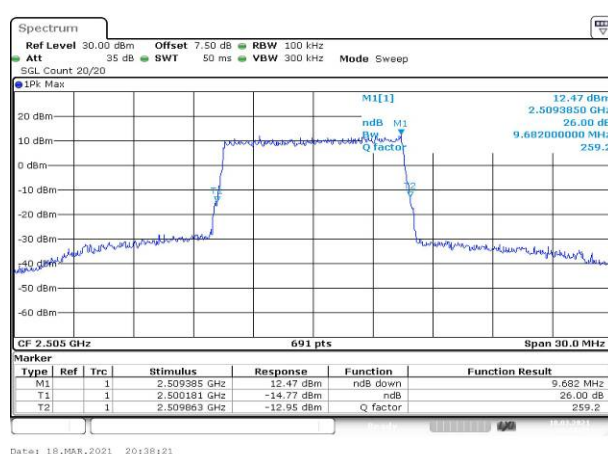
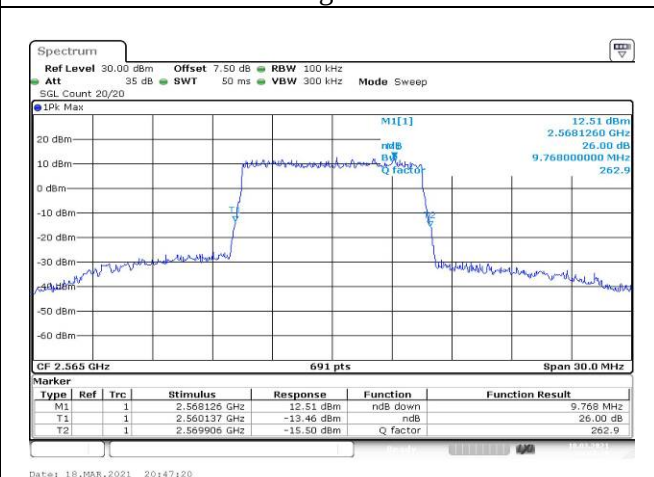
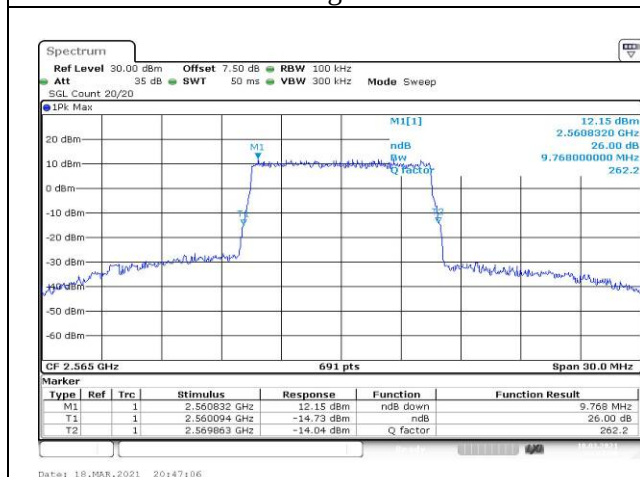
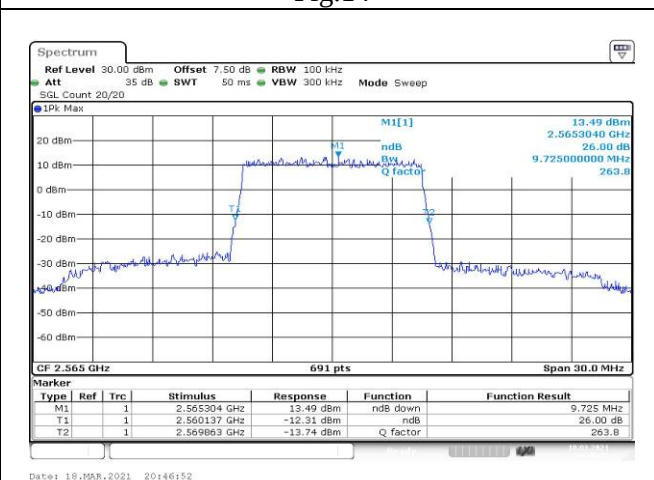
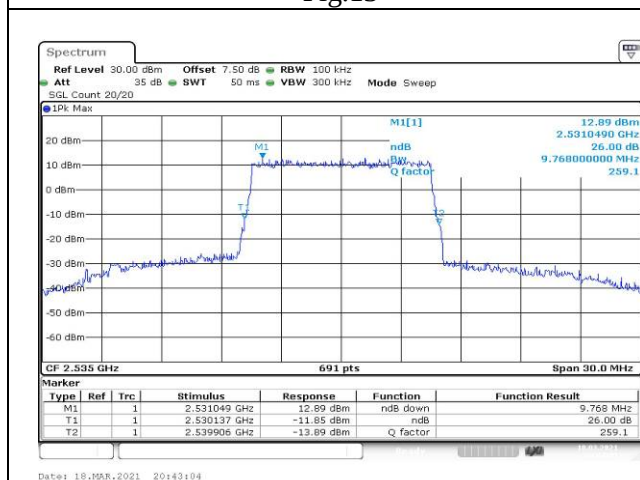
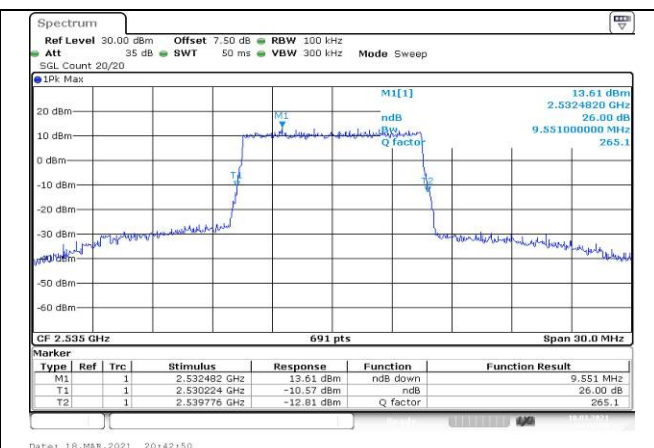
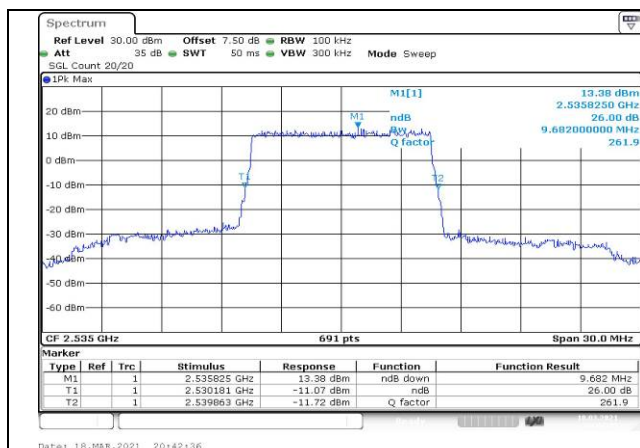
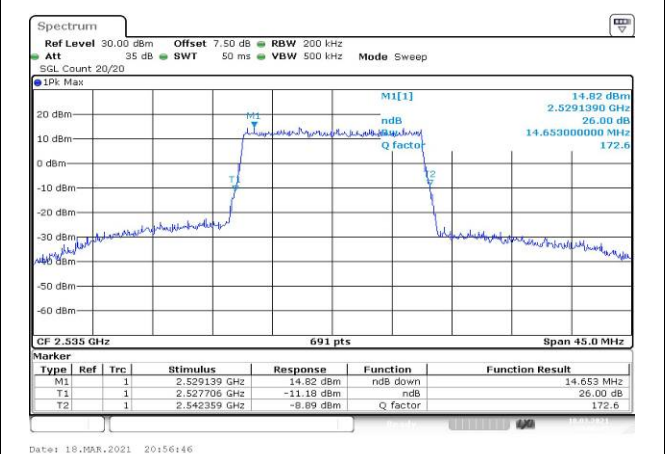
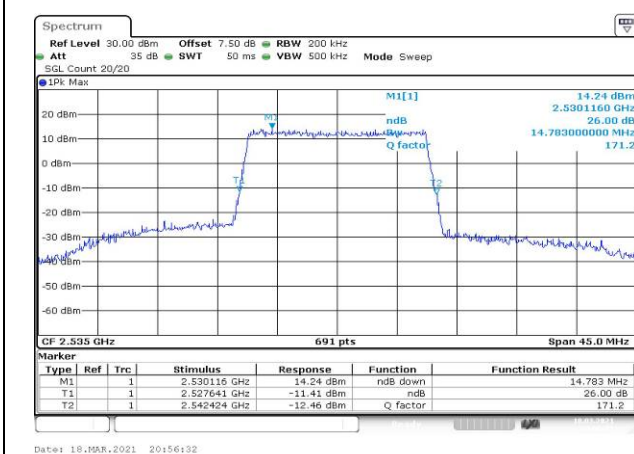
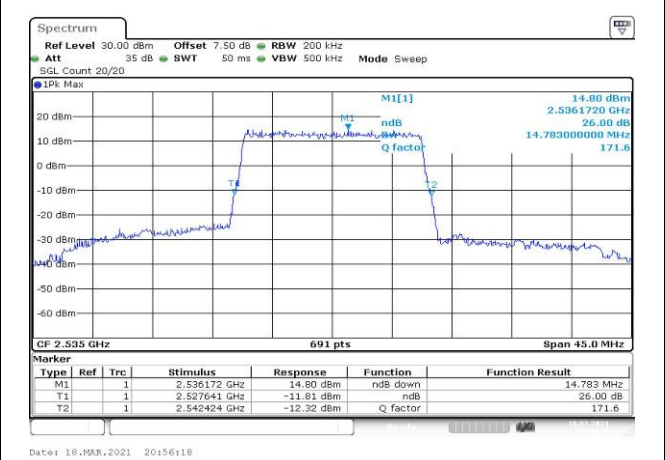
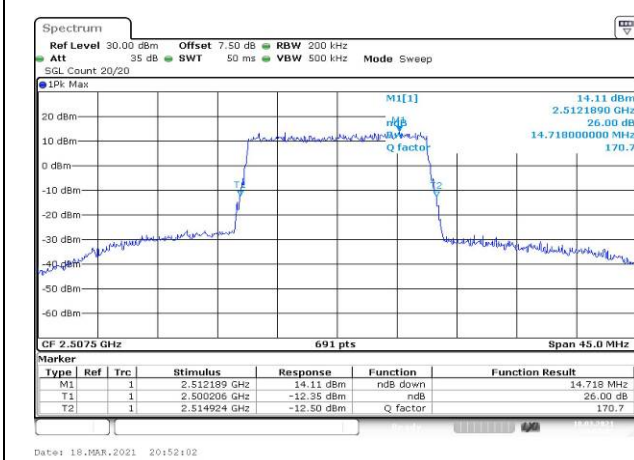
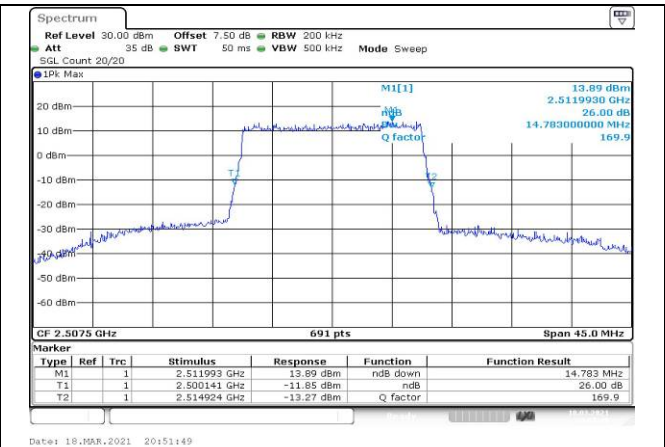
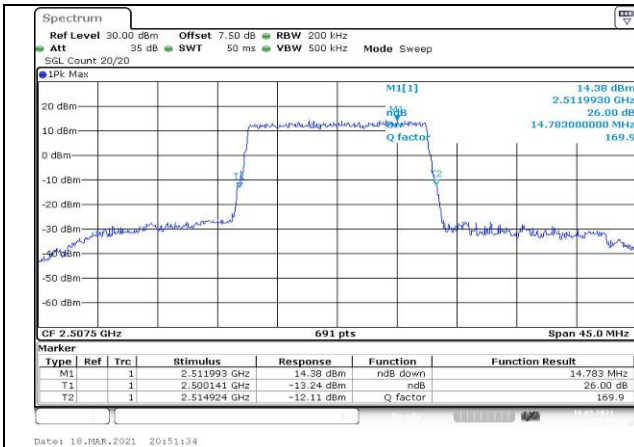


Fig.12





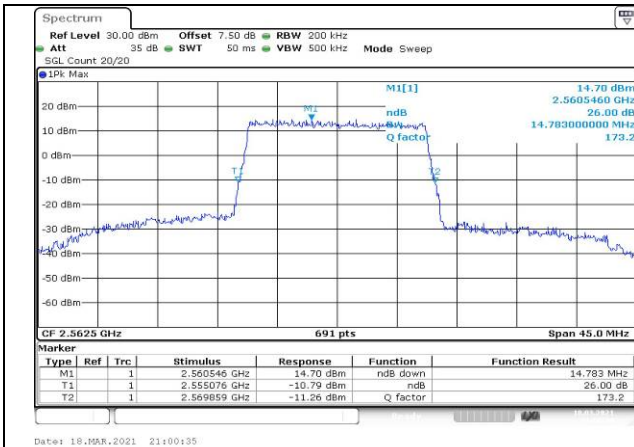


Fig.25

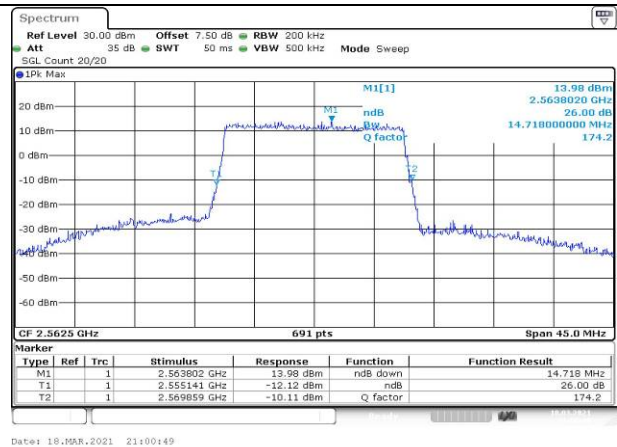


Fig.26

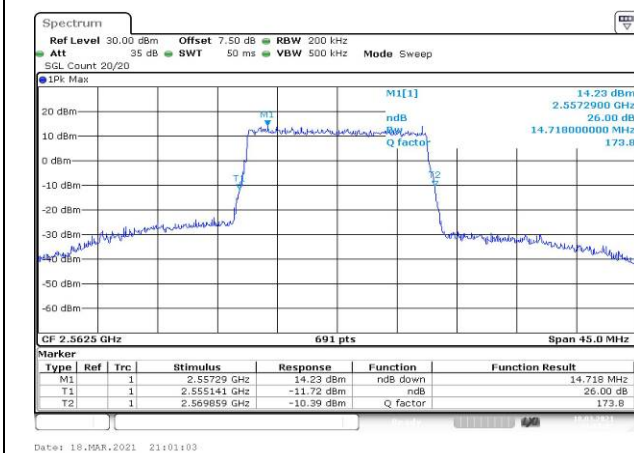


Fig.27

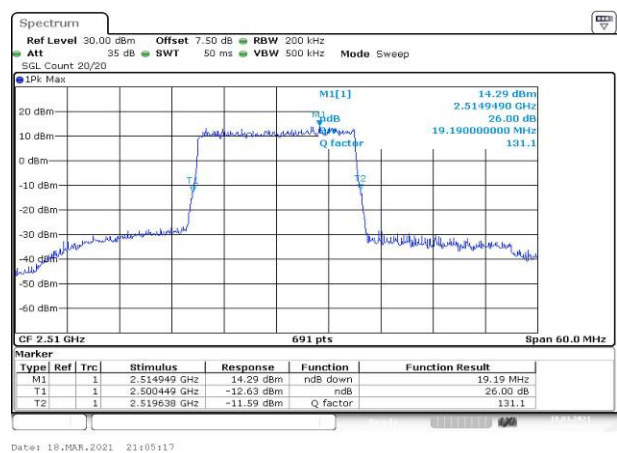


Fig.28

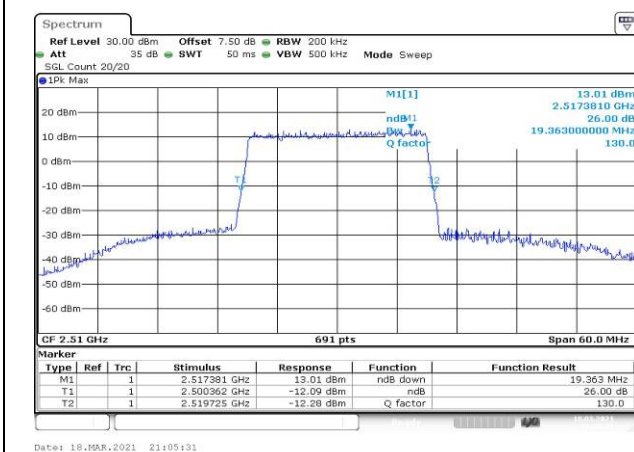


Fig.29

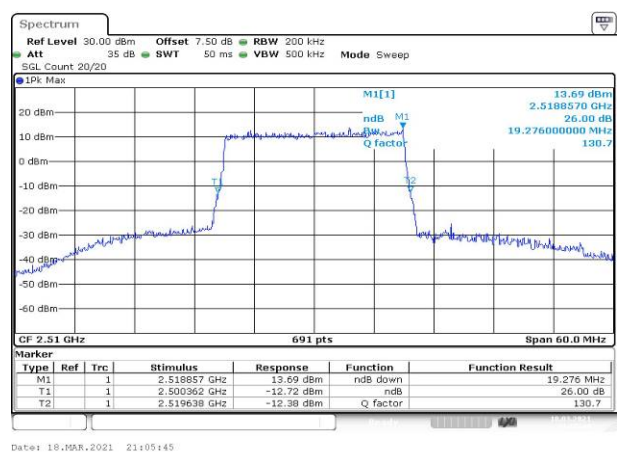


Fig.30

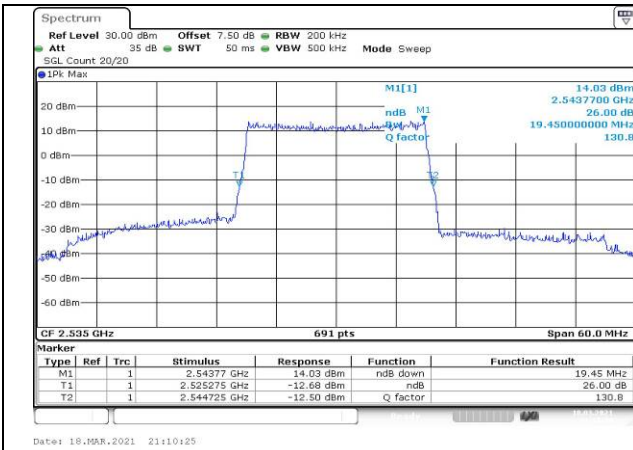


Fig.31

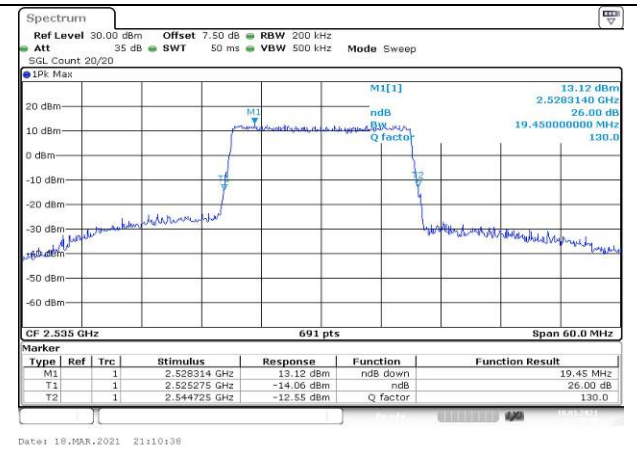


Fig.32

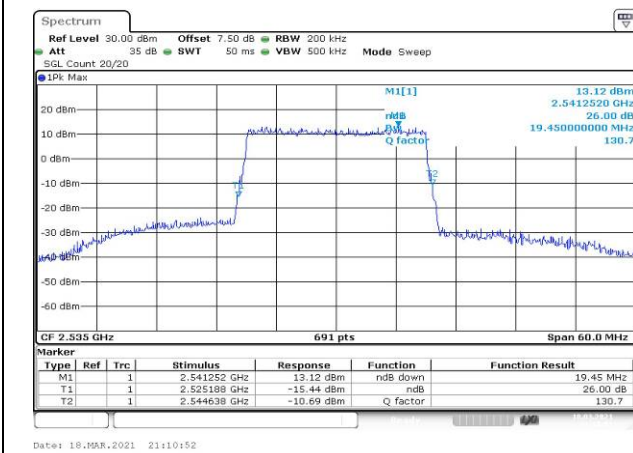


Fig.33

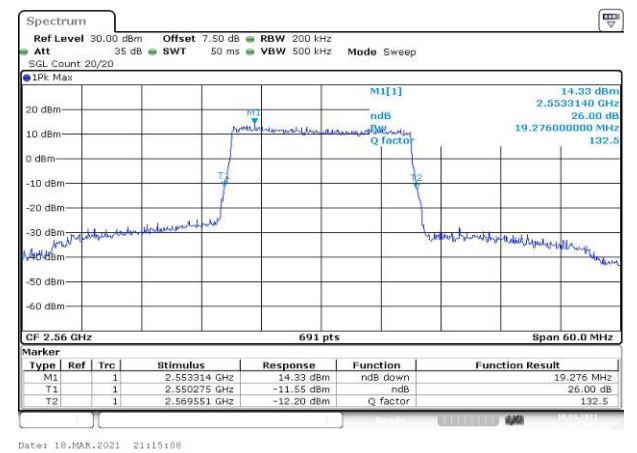


Fig.34

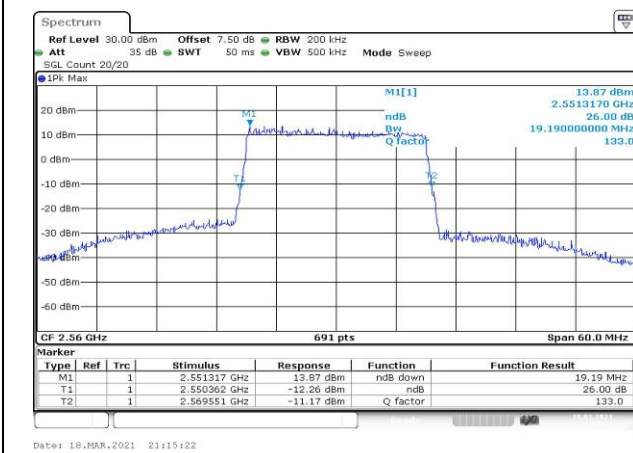


Fig.35

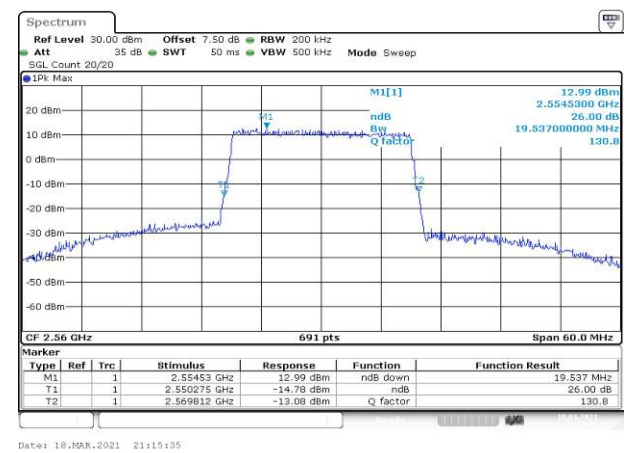


Fig.36

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

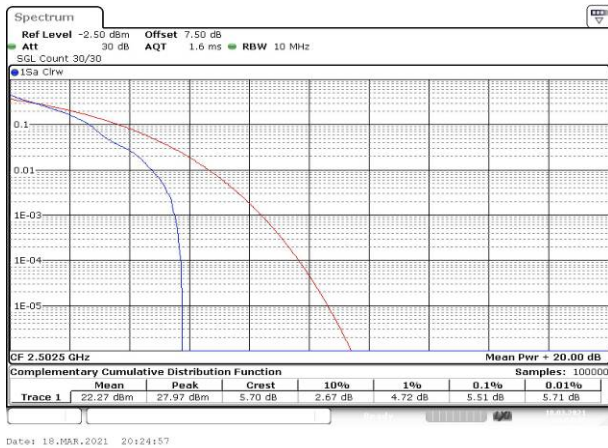


Fig.1

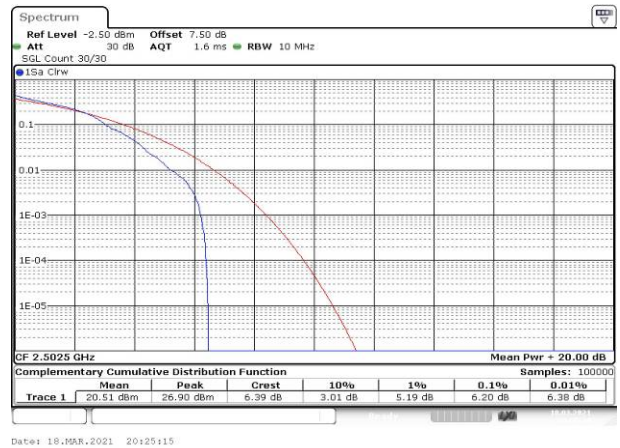


Fig.2

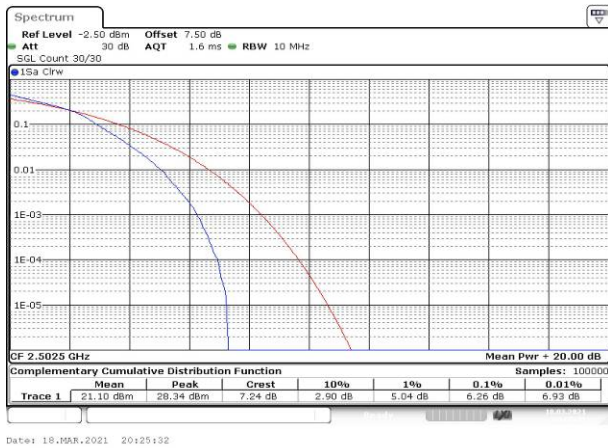


Fig.3

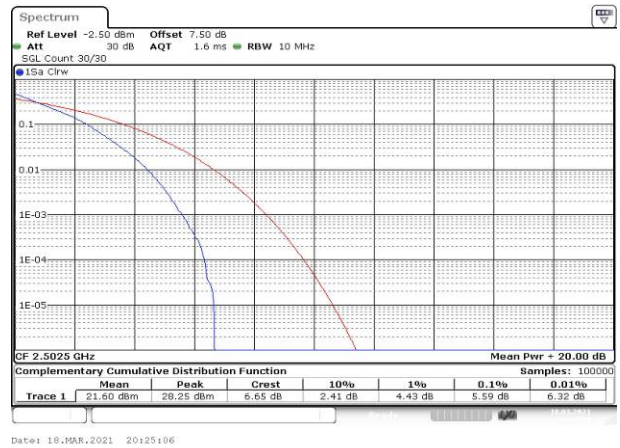


Fig.4

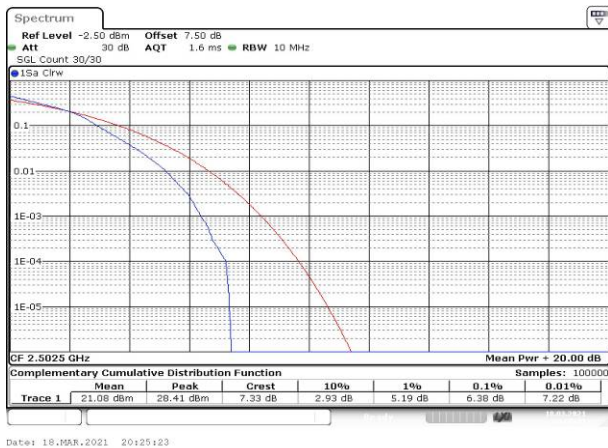


Fig.5

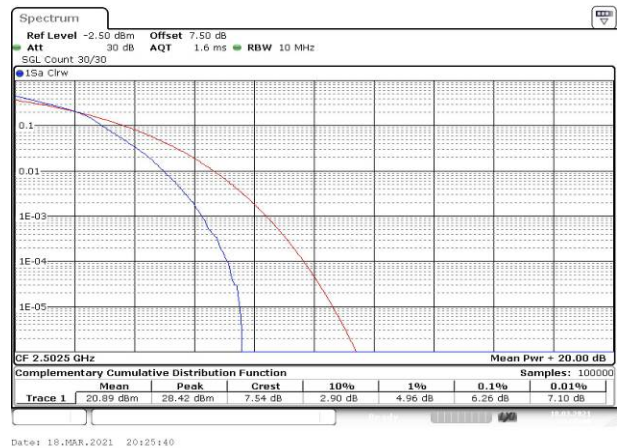


Fig.6

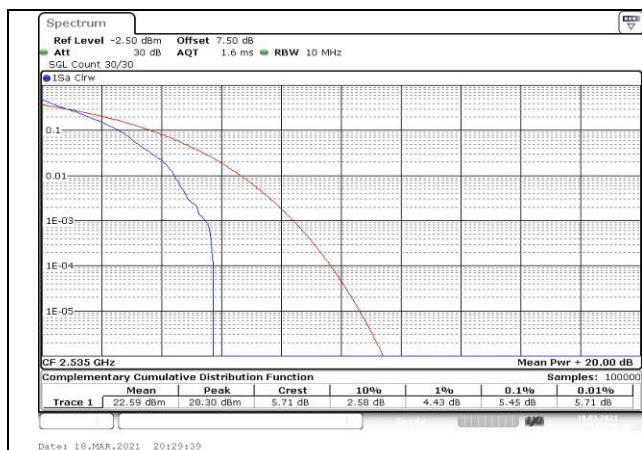


Fig.7

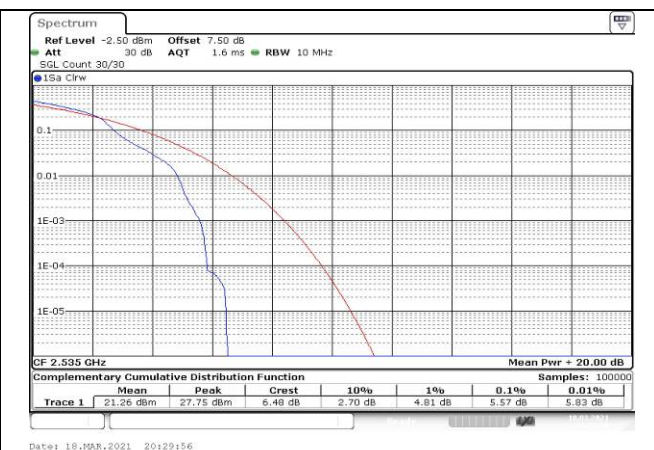


Fig.8

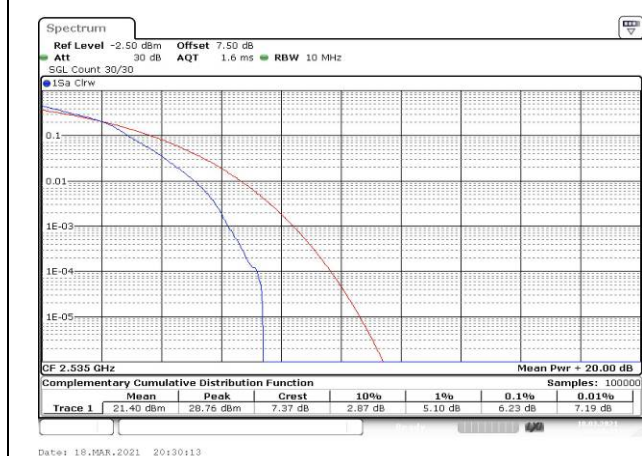


Fig.9

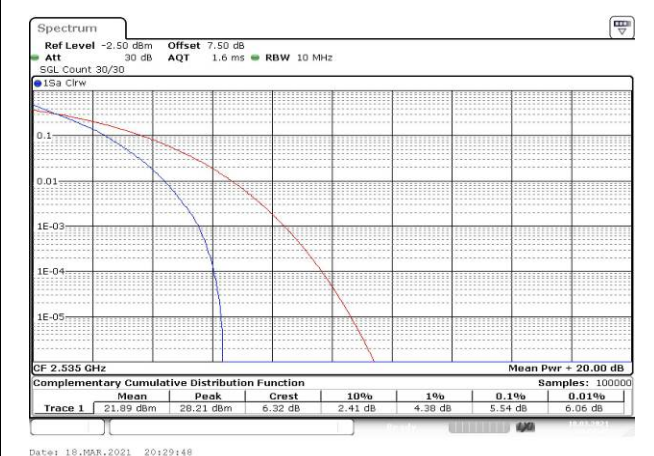


Fig.10

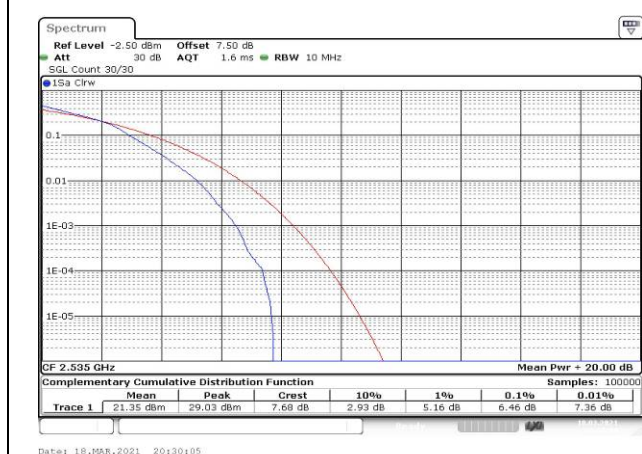


Fig.11

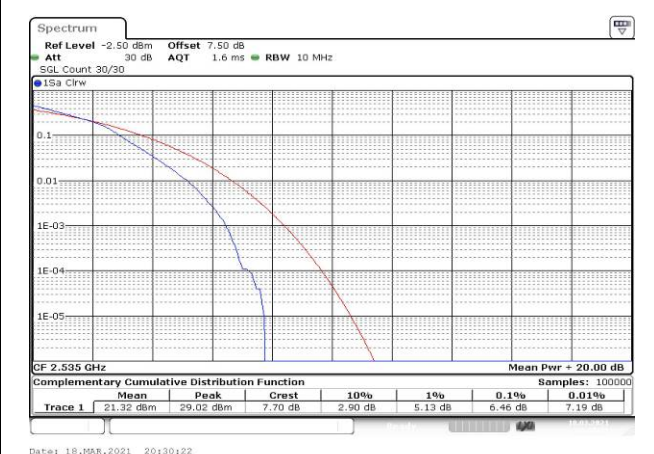


Fig.12

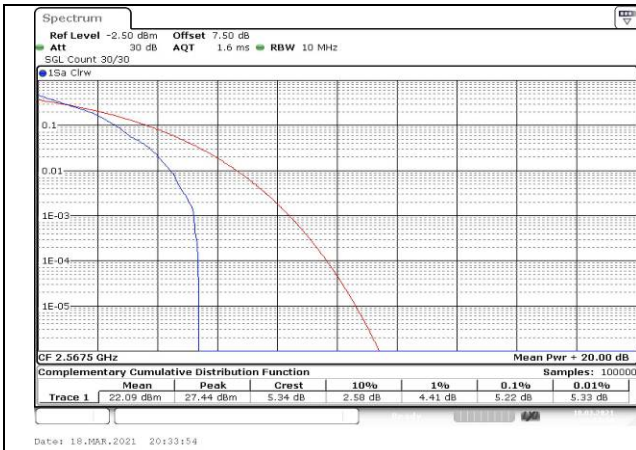


Fig.13



Fig.14

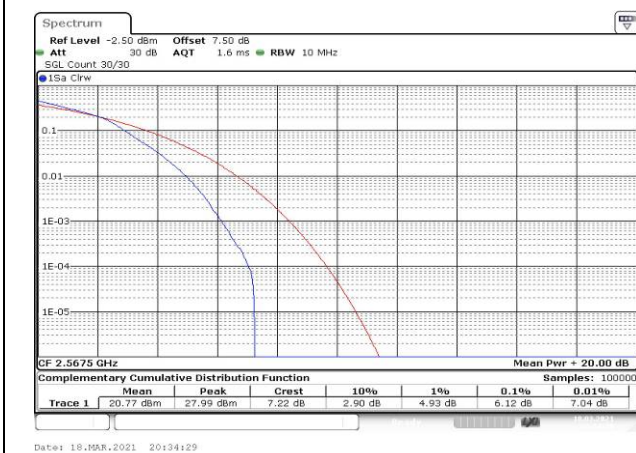


Fig.15

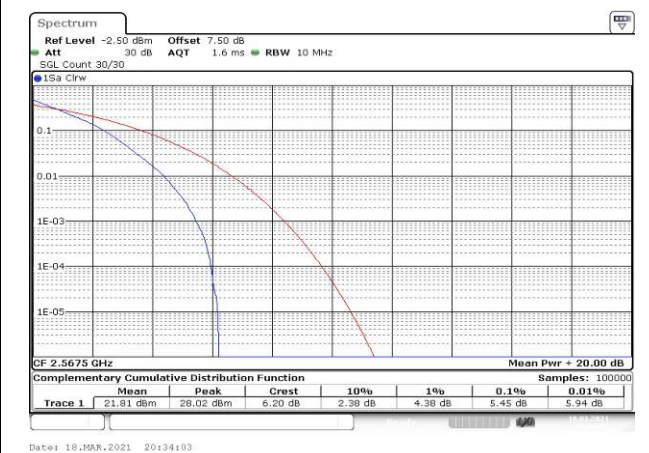


Fig.16

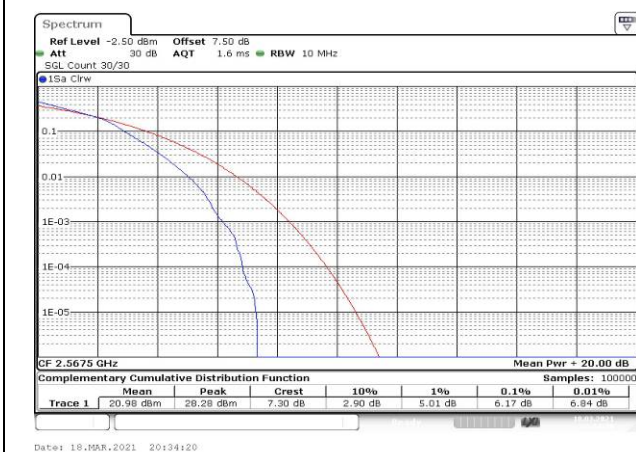


Fig.17

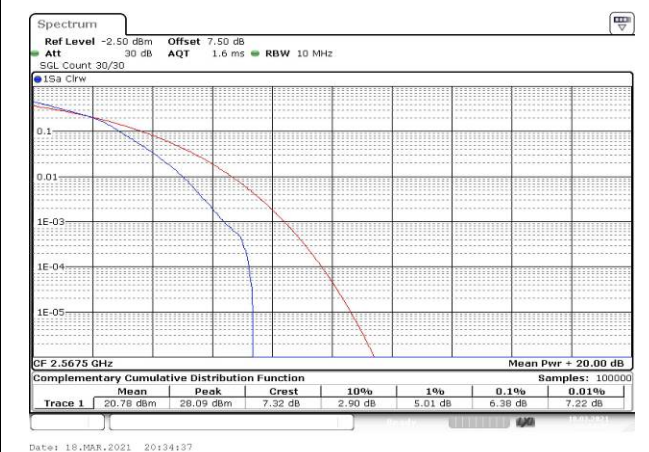


Fig.18