

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	24.90
				1	12	24.58
				1	24	24.55
				12	0	23.99
				12	7	23.84
				12	13	23.83
				25	0	23.91
	2595	38000		1	0	23.49
				1	12	23.31
				1	24	23.30
				12	0	23.79
				12	7	23.67
				12	13	23.67
				25	0	23.71
	2617.5	38225		1	0	23.01
				1	12	23.06
				1	24	23.05
				12	0	23.35
				12	7	23.38
				12	13	23.38
				25	0	23.36
16QAM	2572.5	37775		1	0	24.56
				1	12	24.52
				1	24	24.52
				12	0	22.99
				12	7	22.82
				12	13	22.82
				25	0	23.13
	2595	38000	1	0	23.66	
			1	12	23.49	
			1	24	23.49	
			12	0	22.86	
			12	7	22.91	
			12	13	22.91	
			25	0	22.96	
	2617.5	38225	1	0	23.34	
			1	12	23.38	
			1	24	23.38	
			12	0	22.76	
			12	7	22.70	
			12	13	22.70	
			25	0	22.74	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2572.5	37775	5	1	0	23.13
				1	12	23.13
				1	24	23.13
				12	0	23.13
				12	7	23.13
				12	13	23.13
				25	0	23.13
	2595	38000		1	0	22.96
				1	12	22.96
				1	24	22.96
				12	0	22.96
				12	7	22.96
				12	13	22.96
				25	0	22.95
	2617.5	38225		1	0	22.74
				1	12	22.74
				1	24	22.74
				12	0	22.74
				12	7	22.74
				12	13	22.74
				25	0	22.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2575	37800	10	1	0	24.97	
				1	25	24.89	
				1	49	24.89	
				25	0	24.10	
				25	12	23.93	
				25	25	23.93	
	50	0		23.95			
	2595	38000		1	0	23.78	
				1	25	23.92	
				1	49	23.91	
				25	0	23.89	
				25	12	23.81	
				25	25	23.81	
	50	0		23.90			
	2615	38200		1	0	23.25	
				1	25	23.77	
				1	49	23.76	
				25	0	23.45	
				25	12	23.68	
				25	25	23.67	
	50	0		23.55			
	16QAM	2575		37800	1	0	24.30
					1	25	24.22
					1	49	24.33
25			0		23.10		
25			12		23.04		
25			25		23.04		
50		0	23.02				
2595		38000	1	0	23.75		
			1	25	23.90		
			1	49	23.90		
			25	0	23.00		
			25	12	22.97		
			25	25	22.97		
50		0	22.99				
2615		38200	1	0	23.26		
			1	25	23.77		
			1	49	23.77		
			25	0	23.03		
	25		12	22.76			
	25		25	22.76			
50	0	22.83					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2575	37800	10	1	0	23.02
				1	25	23.02
				1	49	23.02
				25	0	23.02
				25	12	23.02
				25	25	23.02
				50	0	23.02
	2595	38000		1	0	22.99
				1	25	22.99
				1	49	23.00
				25	0	22.99
				25	12	23.00
				25	25	22.99
				50	0	23.00
	2615	38200		1	0	22.83
				1	25	22.83
				1	49	22.83
				25	0	22.83
				25	12	22.83
				25	25	22.83
				50	0	22.83

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2577.5	37825	15	1	0	25.11	
				1	37	24.26	
				1	74	24.25	
				36	0	24.09	
				36	29	23.86	
				36	30	23.86	
				75	0	23.95	
	2595	38000		1	0	24.06	
				1	37	23.55	
				1	74	23.54	
				36	0	24.01	
				36	29	23.72	
				36	30	23.72	
				75	0	23.84	
	2612.5	38175		1	0	23.54	
				1	37	23.47	
				1	74	23.47	
				36	0	23.53	
				36	29	23.50	
				36	30	23.49	
				75	0	23.49	
	16QAM	2577.5		37825	1	0	24.25
					1	37	23.97
					1	74	23.97
36					0	23.07	
36					29	22.94	
36					30	22.94	
75					0	23.16	
2595		38000	1	0	24.04		
			1	37	23.56		
			1	74	23.55		
			36	0	22.92		
			36	29	22.83		
			36	30	22.83		
			75	0	23.11		
2612.5		38175	1	0	23.10		
			1	37	22.79		
			1	74	22.79		
			36	0	23.04		
			36	29	23.02		
			36	30	23.02		
75	0	23.03					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2577.5	37825	15	1	0	23.17
				1	37	23.16
				1	74	23.16
				36	0	23.17
				36	29	23.16
				36	30	23.17
				75	0	23.16
	2595	38000		1	0	23.11
				1	37	23.11
				1	74	23.11
				36	0	23.11
				36	29	23.11
				36	30	23.11
				75	0	23.11
	2612.5	38175		1	0	23.03
				1	37	23.03
				1	74	23.03
				36	0	23.03
				36	29	23.03
				36	30	23.03
				75	0	23.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2580	37850	20	1	0	25.04	
				1	49	24.32	
				1	99	24.32	
				50	0	23.96	
				50	24	23.91	
				50	50	23.91	
				100	0	23.97	
	2595	38000		1	0	24.59	
				1	49	23.84	
				1	99	23.83	
				50	0	23.88	
				50	24	23.85	
				50	50	23.85	
				100	0	23.89	
	2610	38150		1	0	23.89	
				1	49	23.68	
				1	99	23.67	
				50	0	23.70	
				50	24	23.58	
				50	50	23.58	
				100	0	23.62	
	16QAM	2580		37850	1	0	24.35
					1	49	24.15
					1	99	24.14
50					0	23.30	
50					24	23.21	
50					50	23.20	
100					0	23.02	
2595		38000		1	0	23.64	
				1	49	23.52	
				1	99	23.75	
				50	0	23.11	
				50	24	22.83	
				50	50	22.83	
				100	0	22.94	
2610		38150		1	0	23.47	
				1	49	23.27	
				1	99	23.27	
				50	0	23.02	
				50	24	22.91	
				50	50	22.92	
				100	0	22.92	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2580	37850	20	1	0	23.03
				1	49	23.03
				1	99	23.04
				50	0	23.03
				50	24	23.03
				50	50	23.04
				100	0	23.04
	2595	38000		1	0	22.94
				1	49	22.93
				1	99	22.94
				50	0	22.94
				50	24	22.94
				50	50	22.94
				100	0	22.94
	2610	38150		1	0	22.92
				1	49	22.92
				1	99	22.92
				50	0	22.77
				50	24	22.77
				50	50	22.77
				100	0	22.78

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.450	Fig.1	4.472	Fig.2	4.450	Fig.3
	2595	38000		25	0	4.472	Fig.4	4.450	Fig.5	4.472	Fig.6
	2617.5	38225		25	0	4.472	Fig.7	4.450	Fig.8	4.450	Fig.9
	2575	37800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2595	38000		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2615	38200		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2577.5	37825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2595	38000		75	0	13.415	Fig.22	13.415	Fig.23	13.480	Fig.24
	2612.5	38175		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2580	37850	20	100	0	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2595	38000		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2610	38150		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36

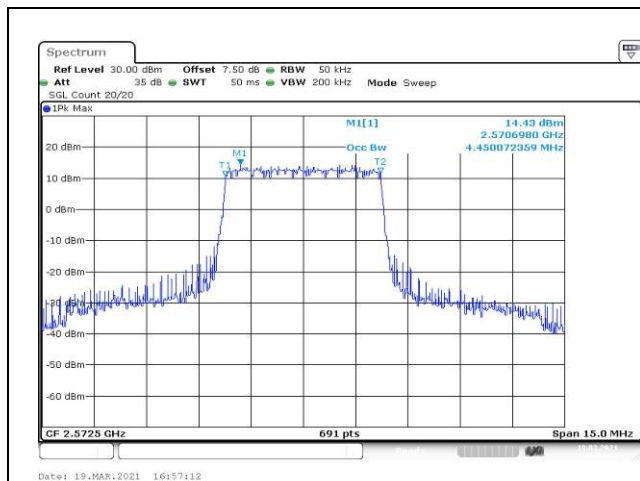


Fig.1

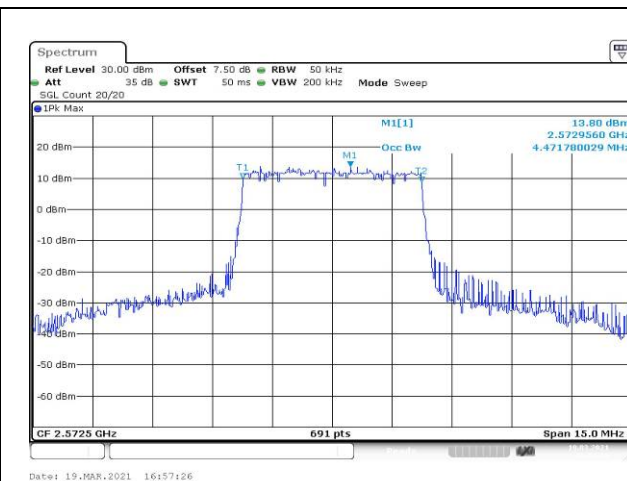


Fig.2

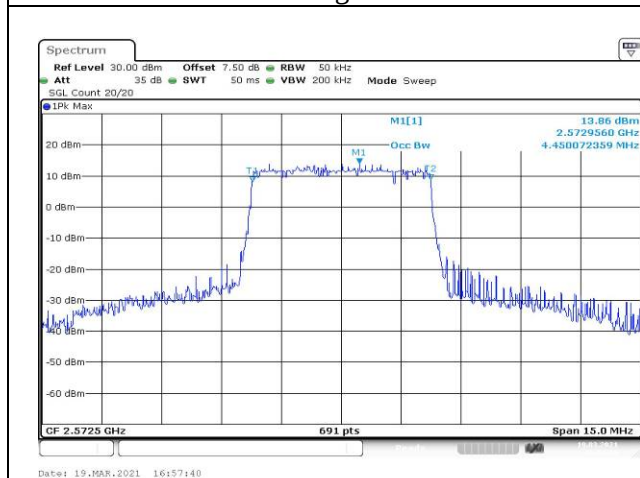


Fig.3

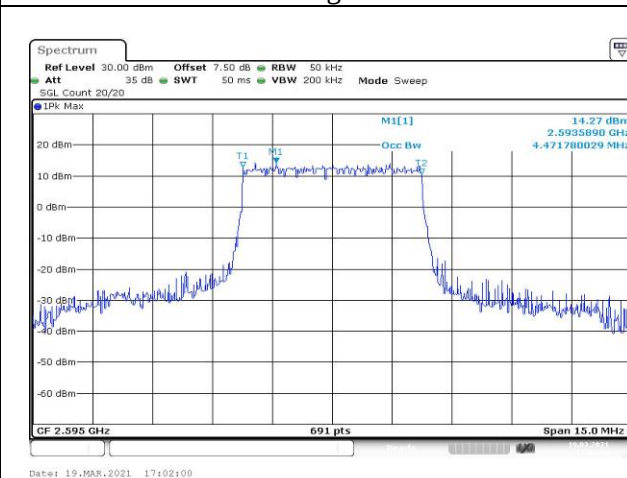


Fig.4

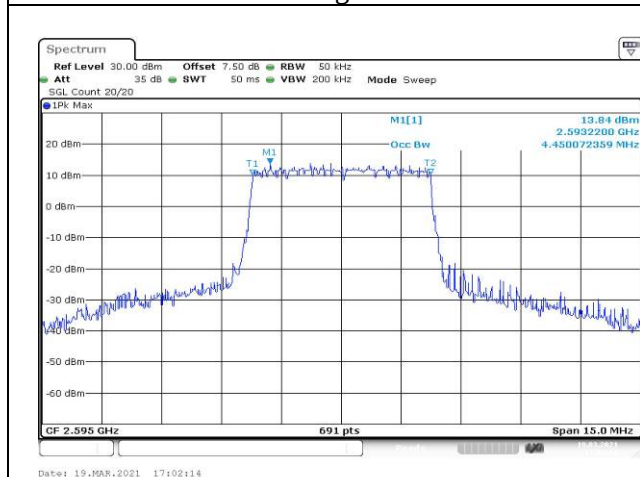


Fig.5

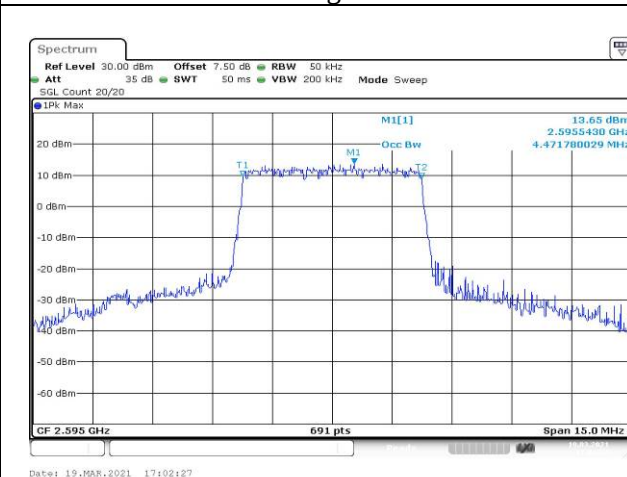


Fig.6

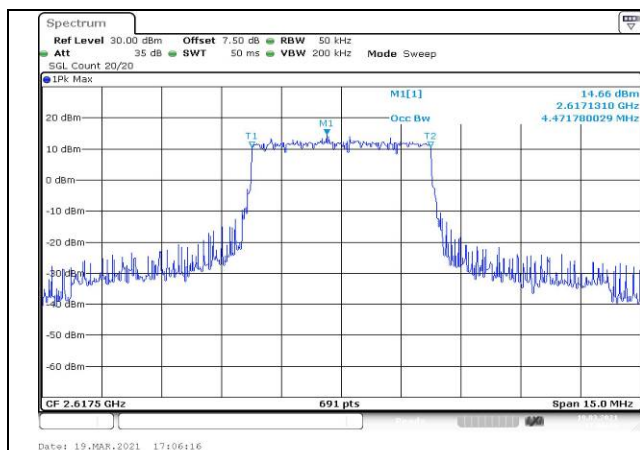


Fig.7

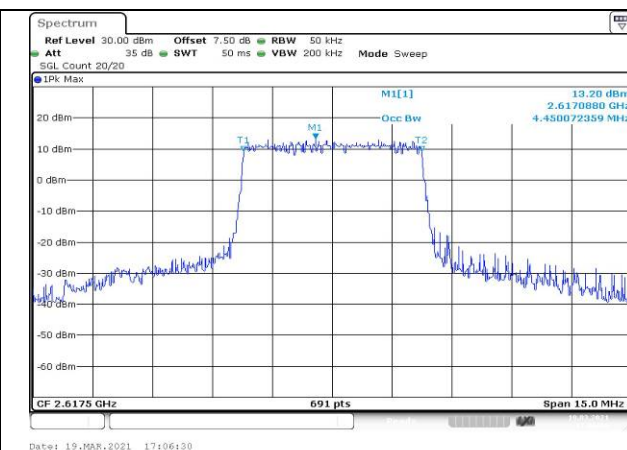


Fig.8

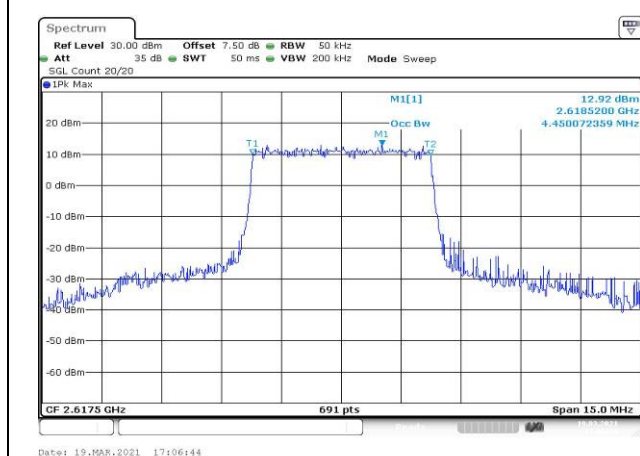


Fig.9

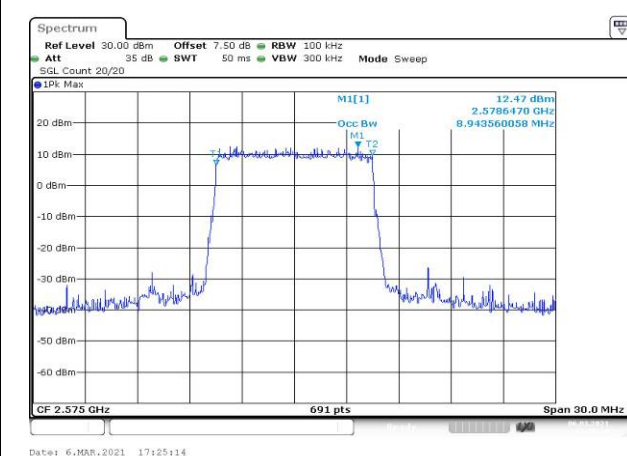


Fig.10

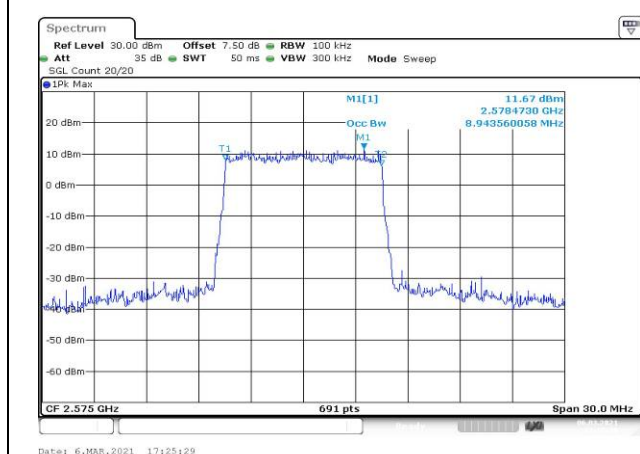


Fig.11

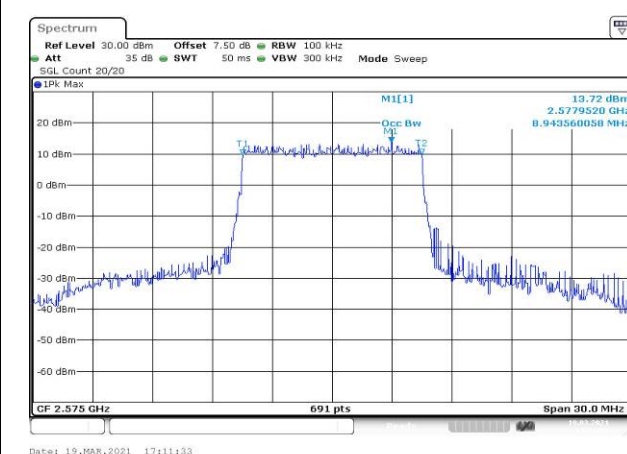


Fig.12

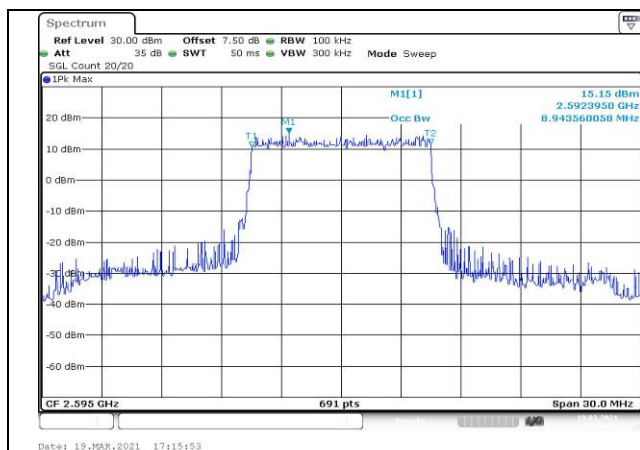


Fig.13

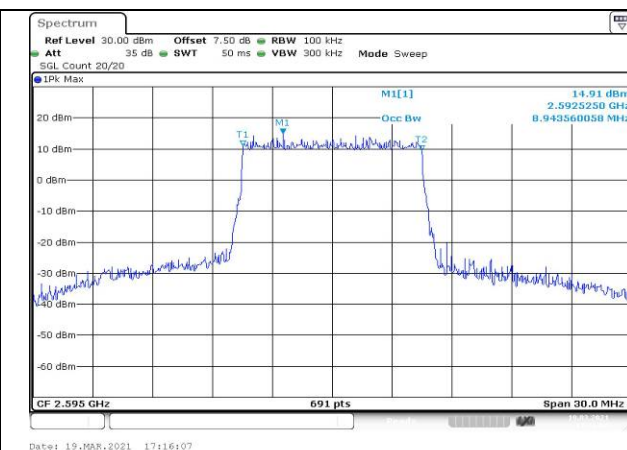


Fig.14

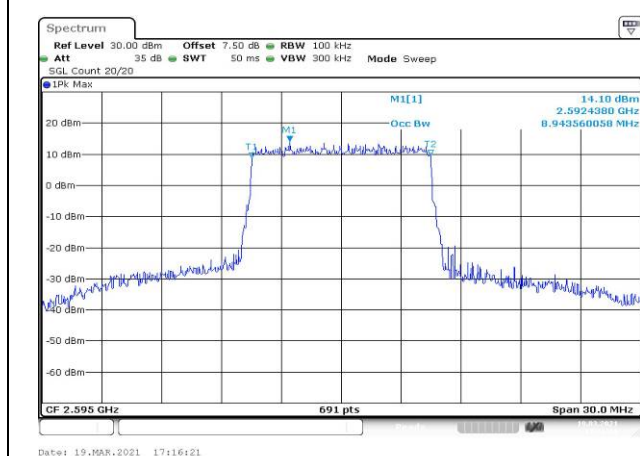


Fig.15

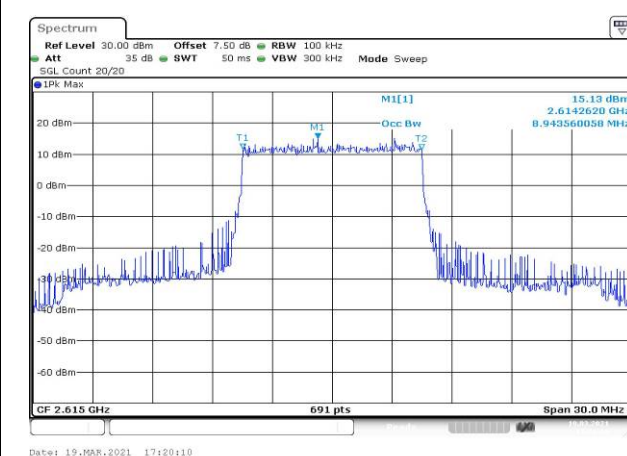


Fig.16

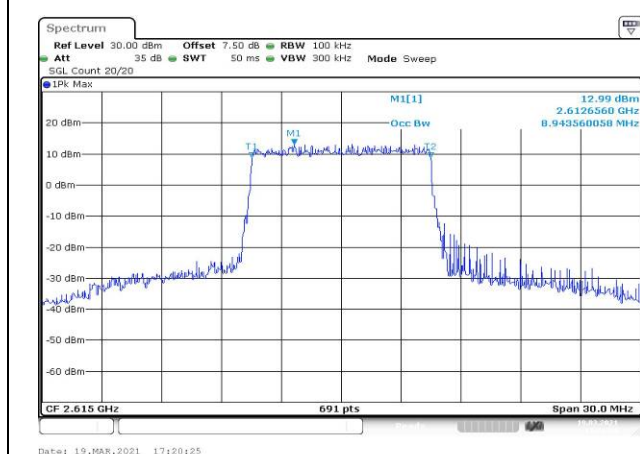


Fig.17

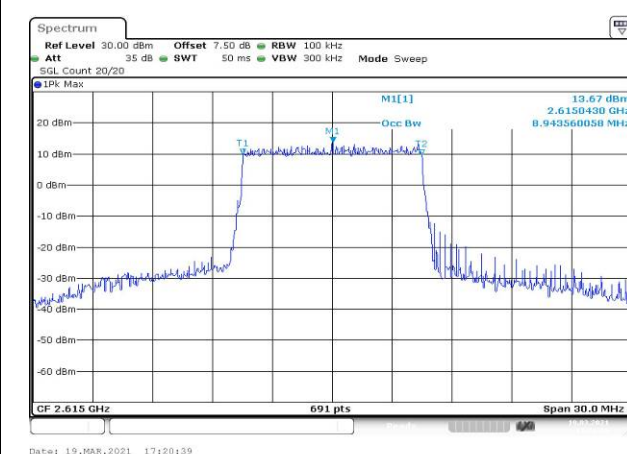
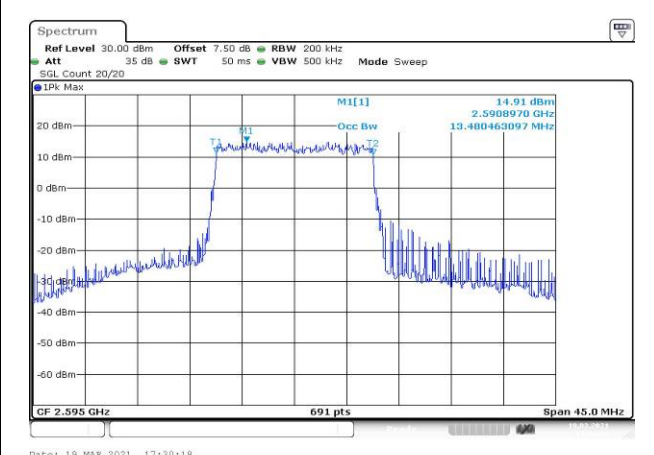
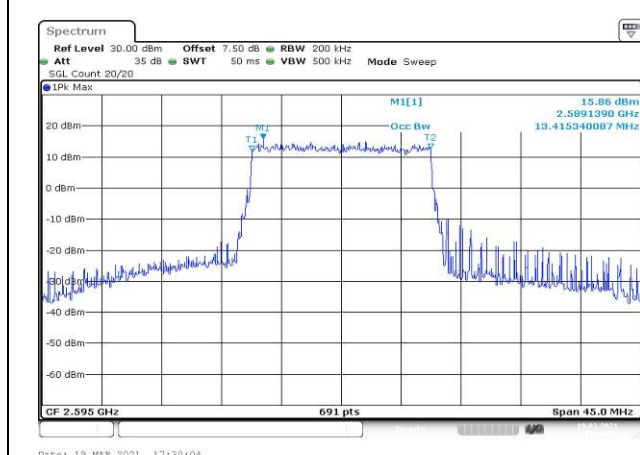
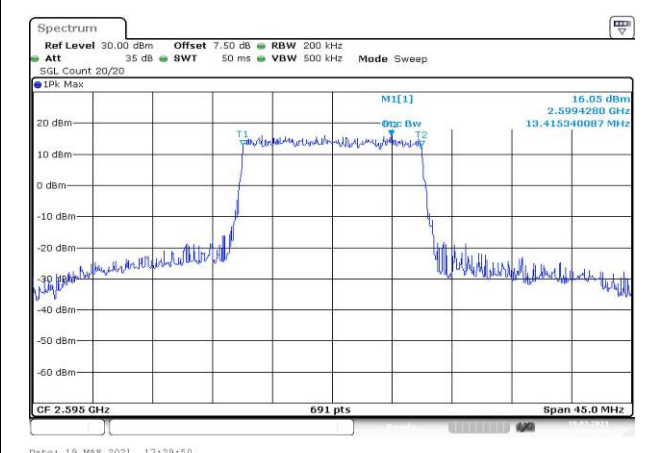
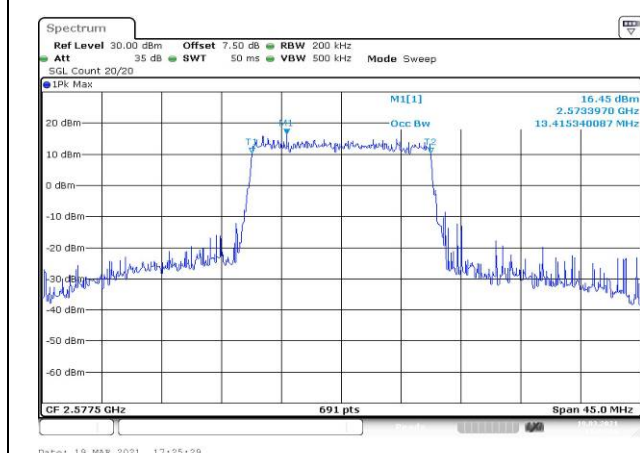
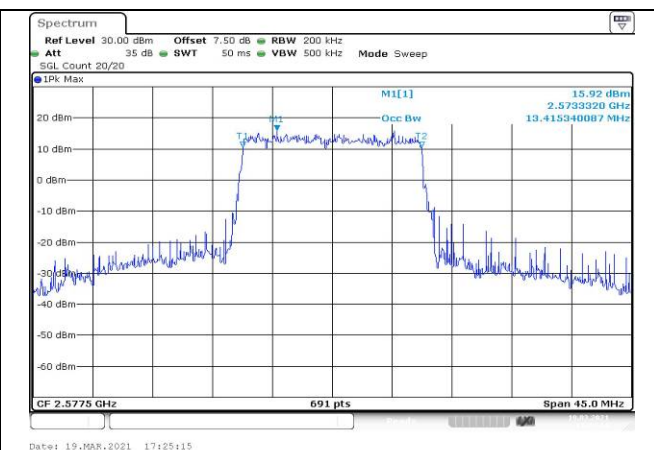
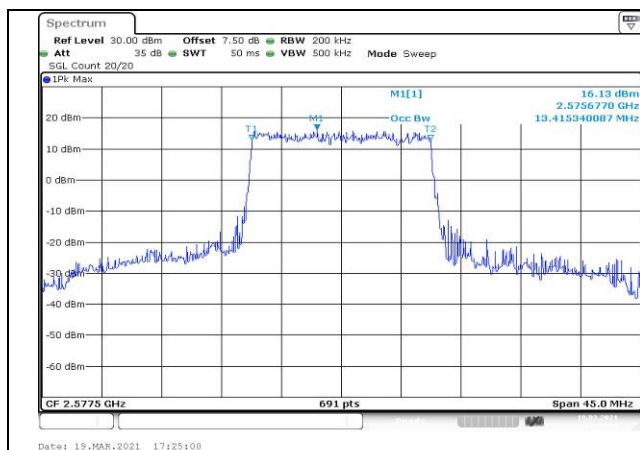
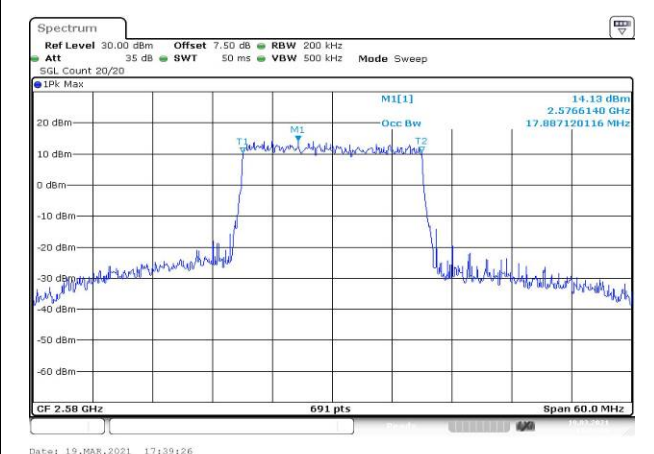
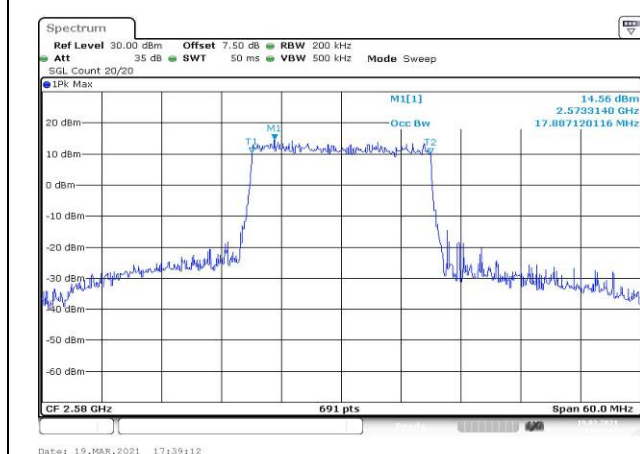
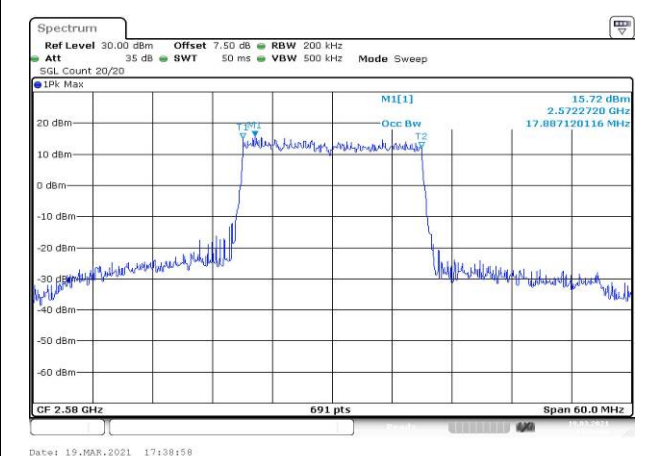
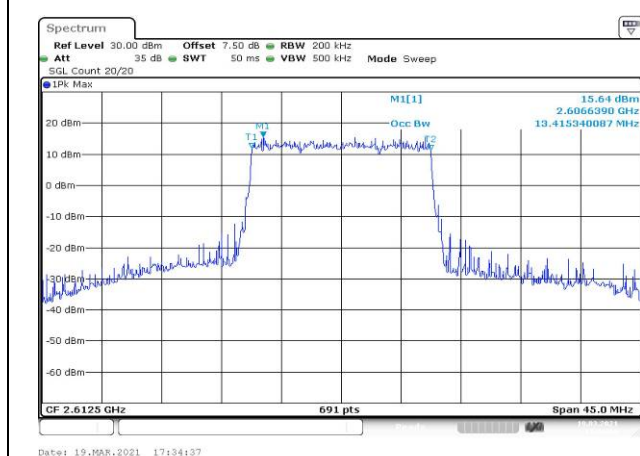
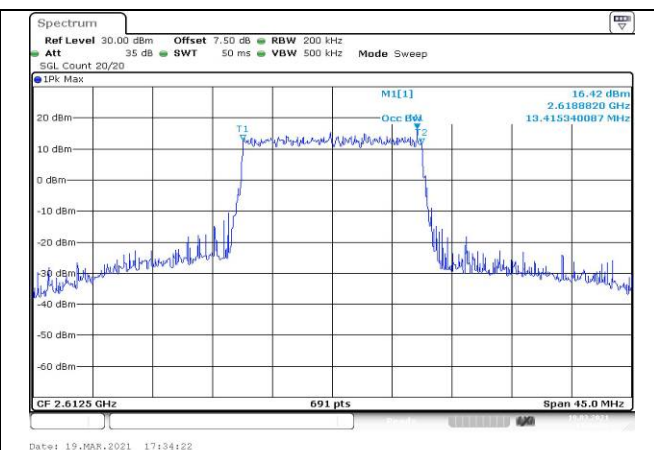
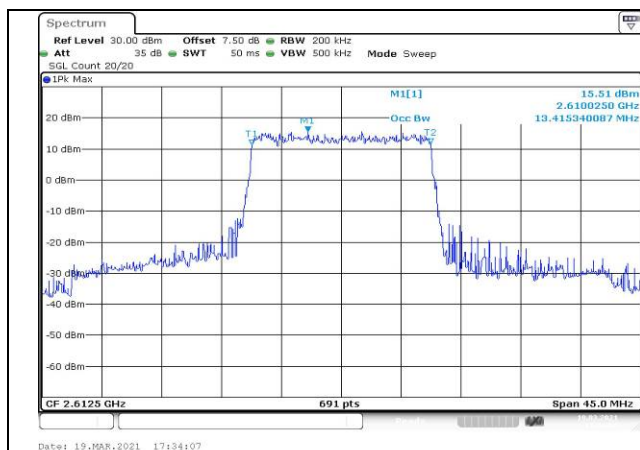
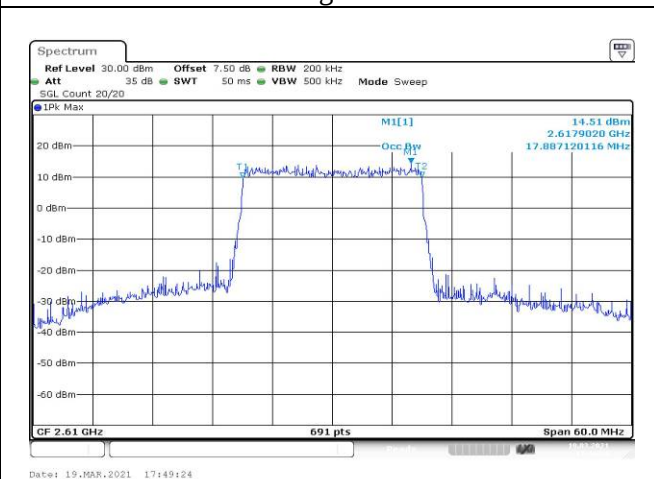
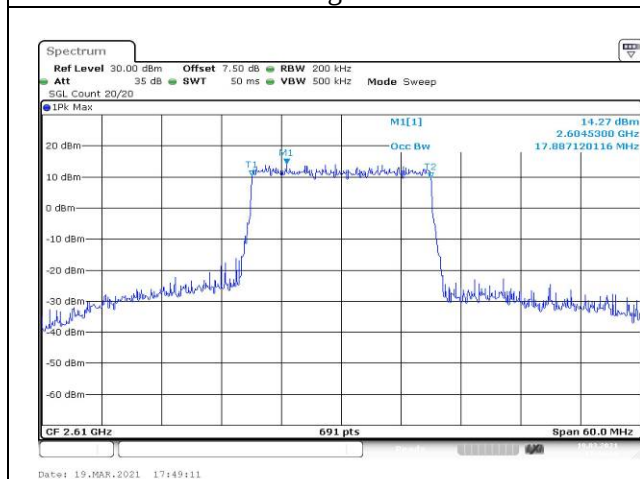
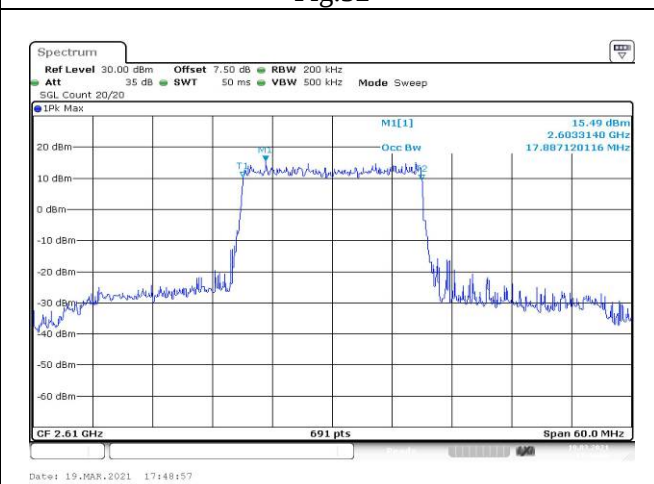
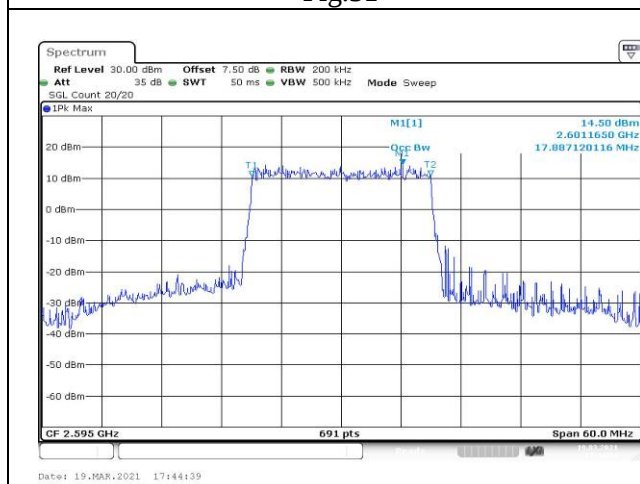
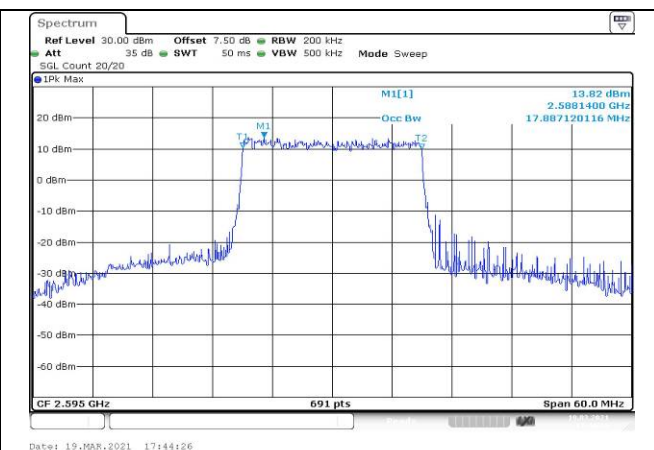
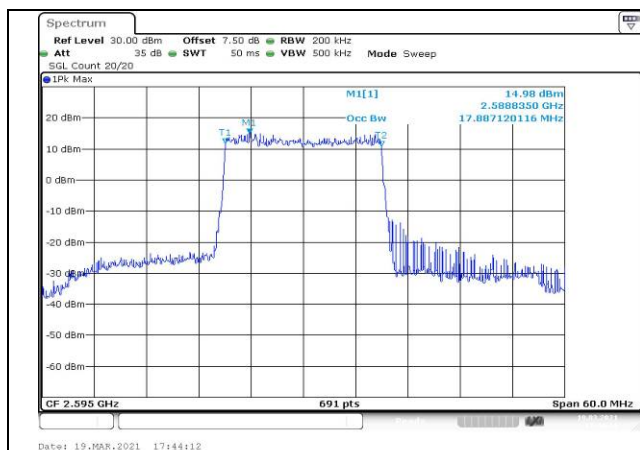


Fig.18







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	
38	2572.5	37775	5	25	0	4.906	Fig.1	4.841	Fig.2	4.841	Fig.3
	2595	38000		25	0	4.819	Fig.4	4.863	Fig.5	4.884	Fig.6
	2617.5	38225		25	0	4.863	Fig.7	4.819	Fig.8	4.863	Fig.9
	2575	37800	10	50	0	9.508	Fig.10	9.812	Fig.11	9.725	Fig.12
	2595	38000		50	0	9.682	Fig.13	9.638	Fig.14	9.638	Fig.15
	2615	38200		50	0	9.595	Fig.16	9.638	Fig.17	9.638	Fig.18
	2577.5	37825	15	75	0	14.522	Fig.19	14.848	Fig.20	14.653	Fig.21
	2595	38000		75	0	14.522	Fig.22	14.653	Fig.23	14.588	Fig.24
	2612.5	38175		75	0	14.653	Fig.25	14.522	Fig.26	14.588	Fig.27
	2580	37850	20	100	0	19.276	Fig.28	19.276	Fig.29	19.276	Fig.30
	2595	38000		100	0	19.103	Fig.31	19.190	Fig.32	19.363	Fig.33
	2610	38150		100	0	19.190	Fig.34	19.363	Fig.35	19.276	Fig.36

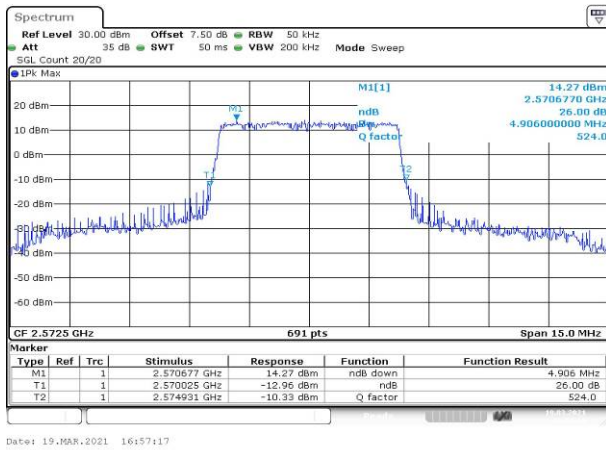


Fig.1

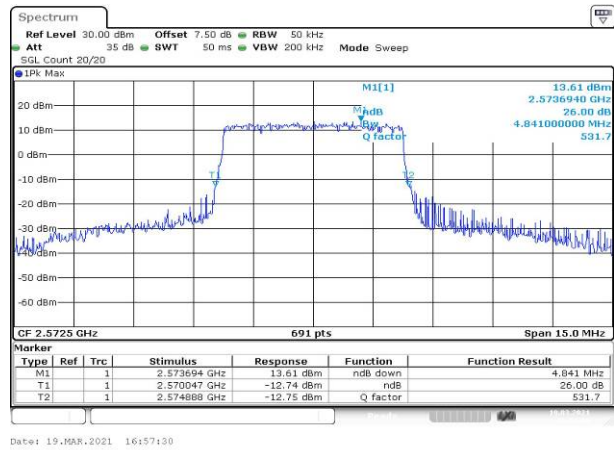


Fig.2

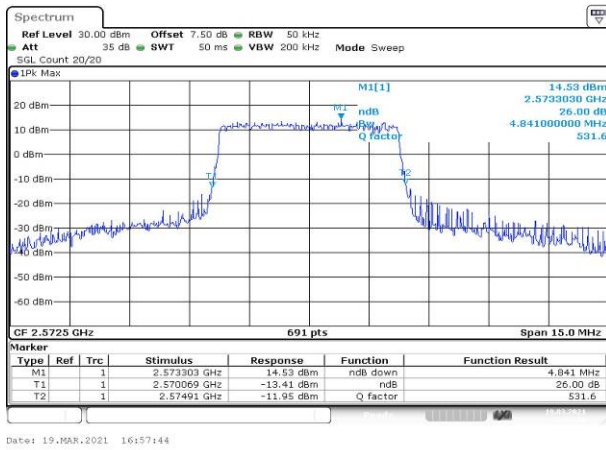


Fig.3

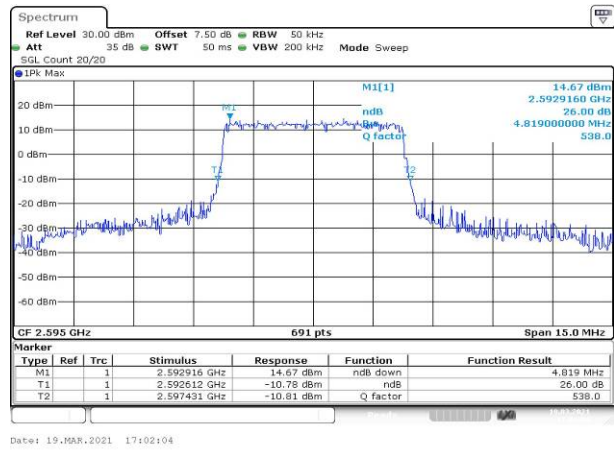


Fig.4

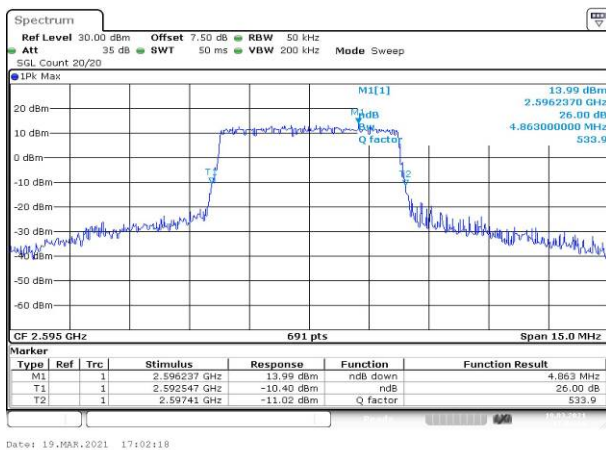


Fig.5

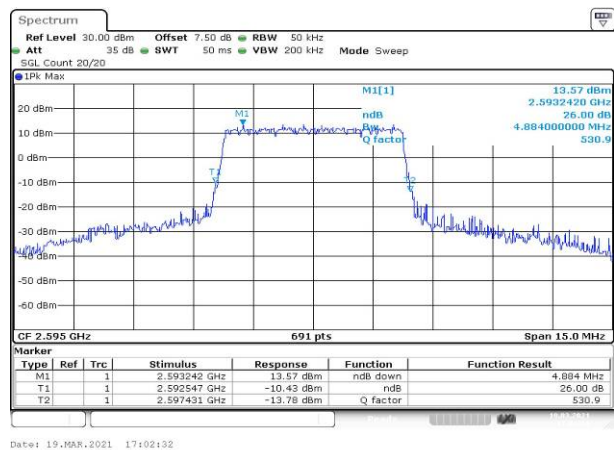


Fig.6

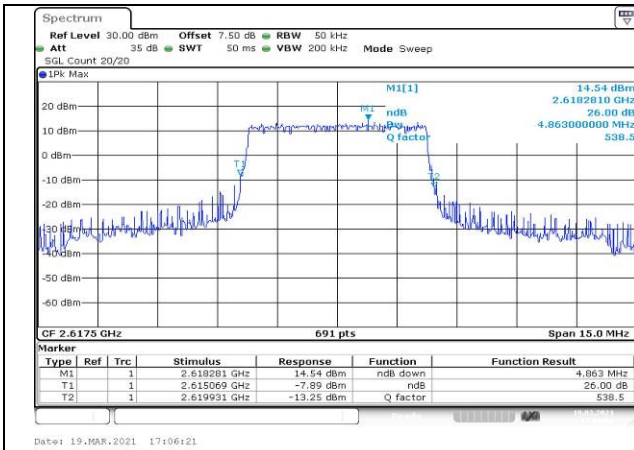


Fig.7

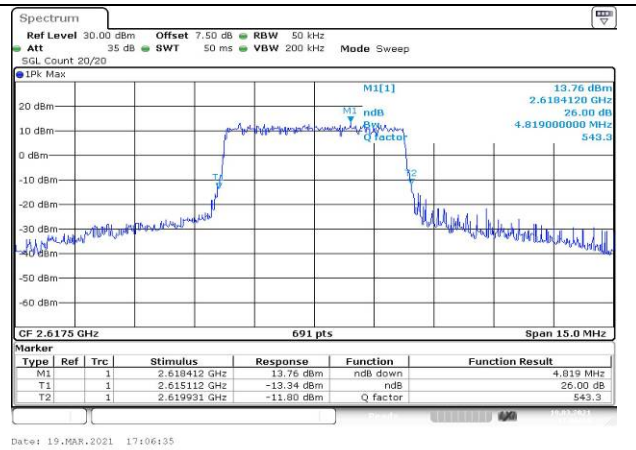


Fig.8

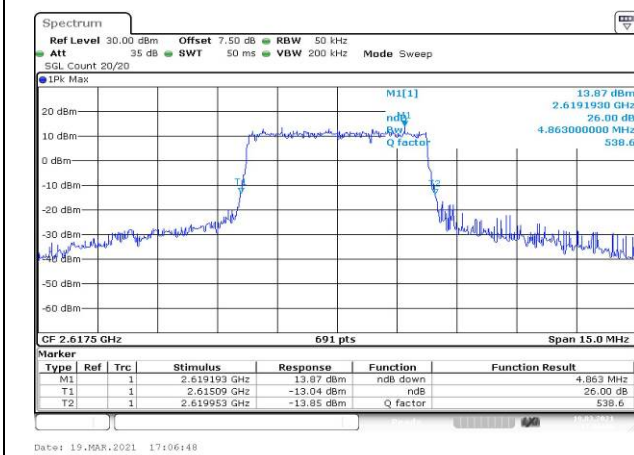


Fig.9

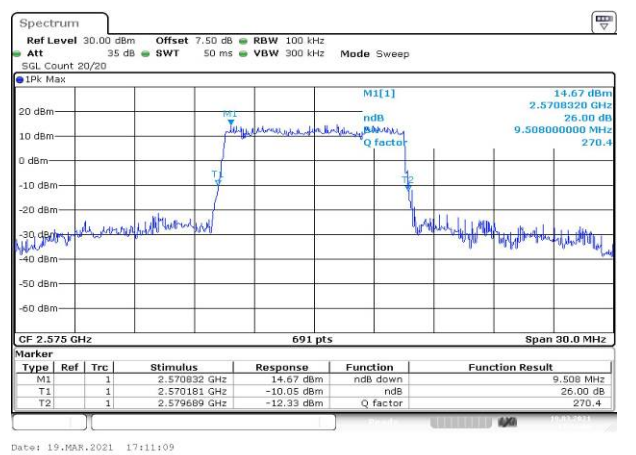


Fig.10

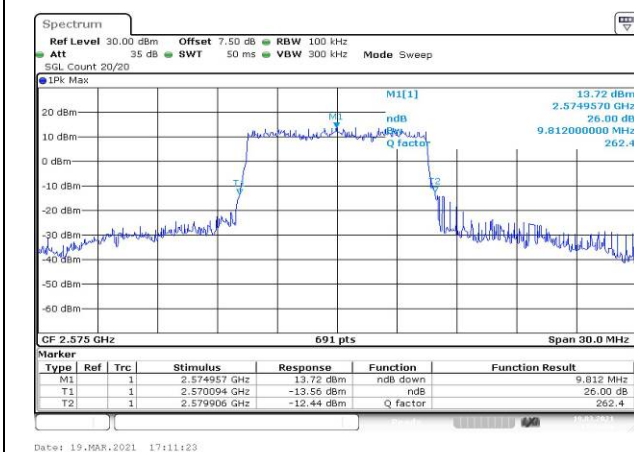


Fig.11

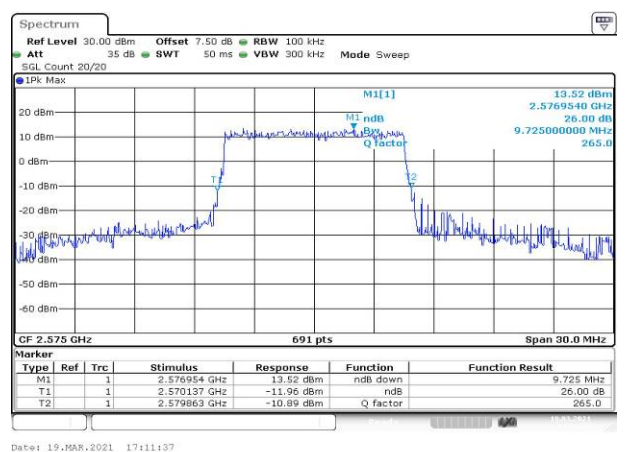


Fig.12

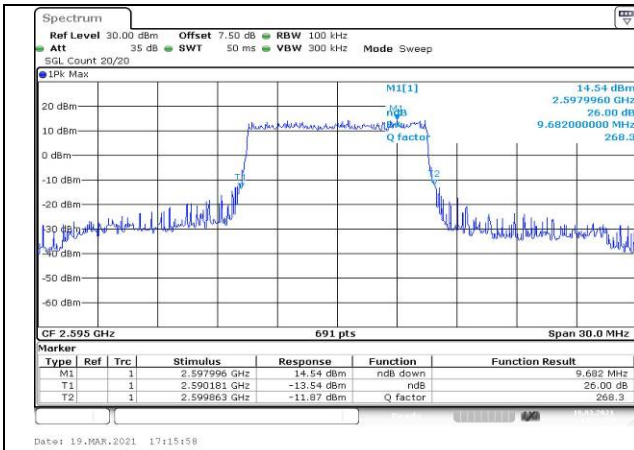


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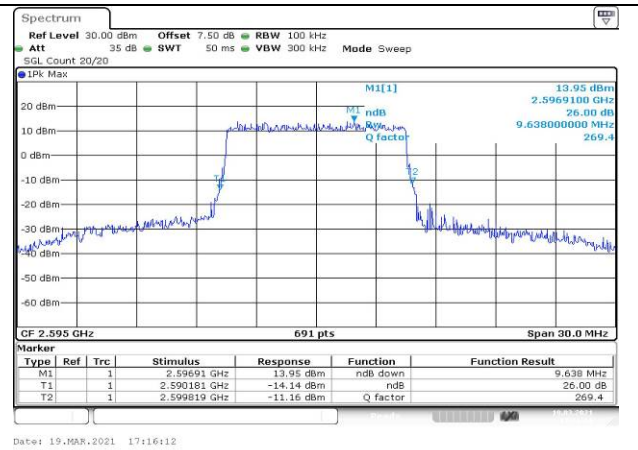


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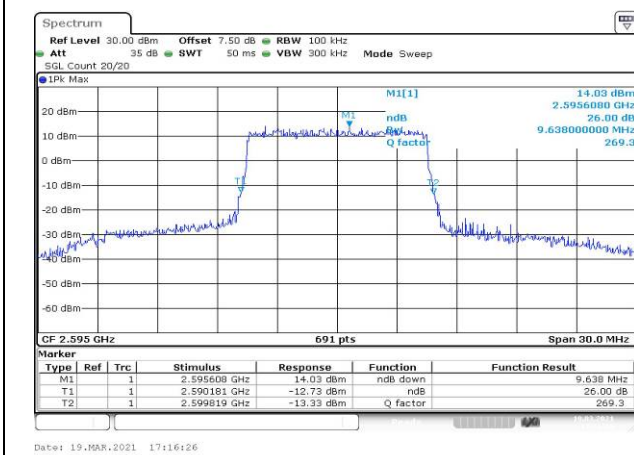


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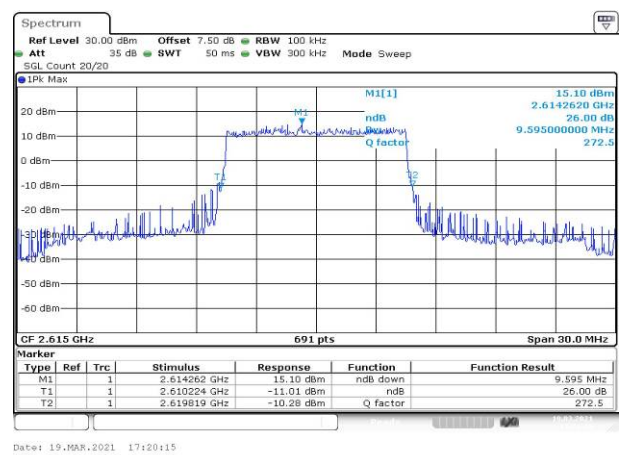


Fig.16

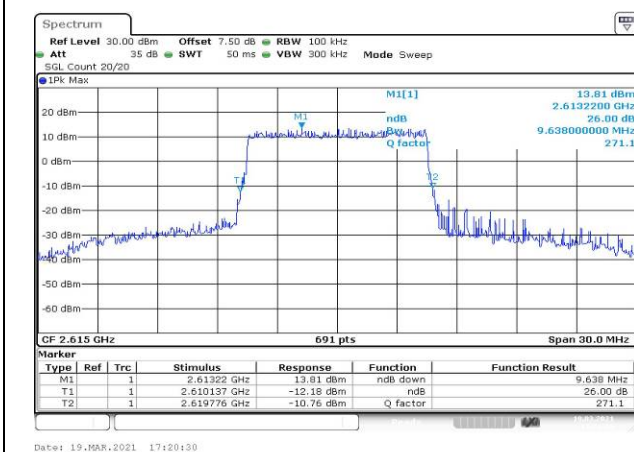


Fig.17

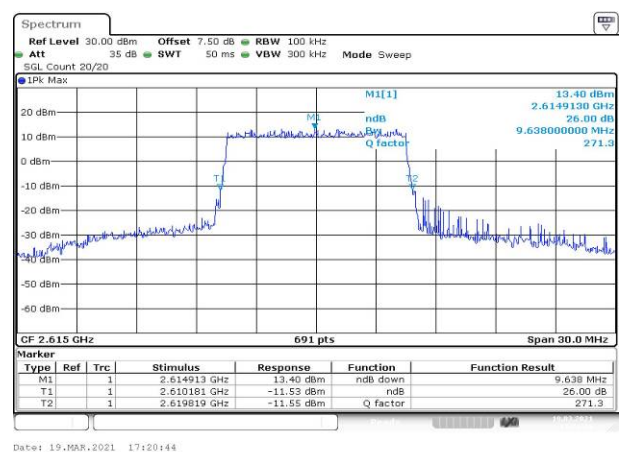


Fig.18

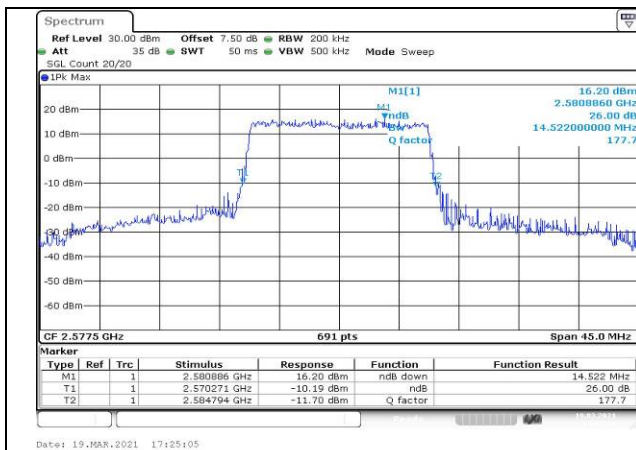


Fig.19

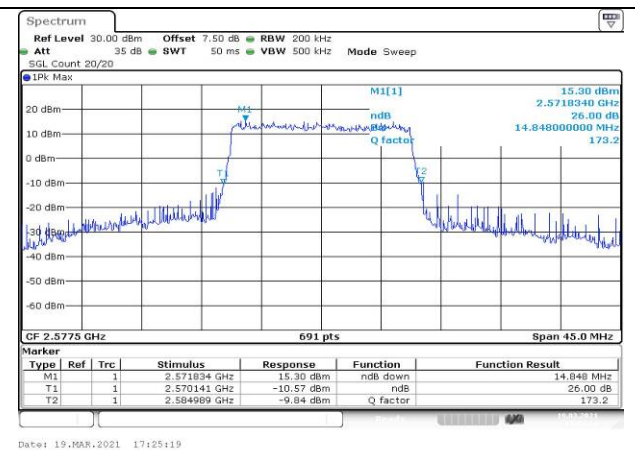


Fig.20

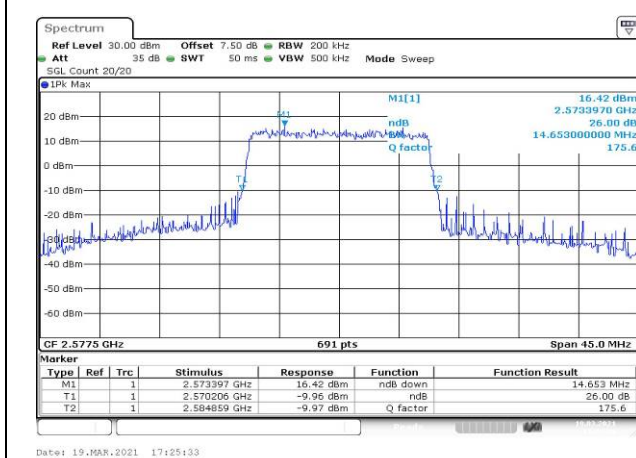


Fig.21

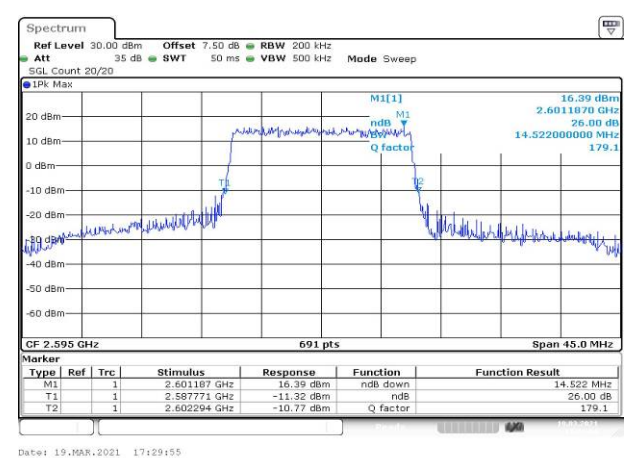


Fig.22

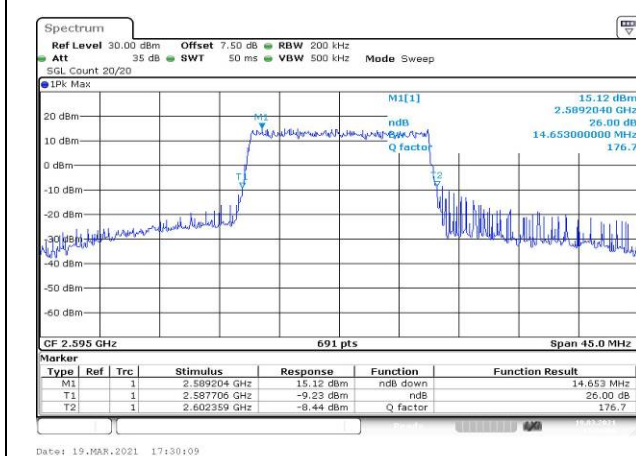


Fig.23

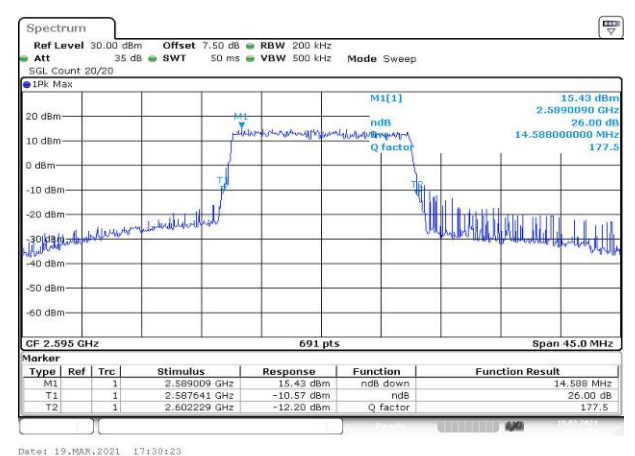


Fig.24

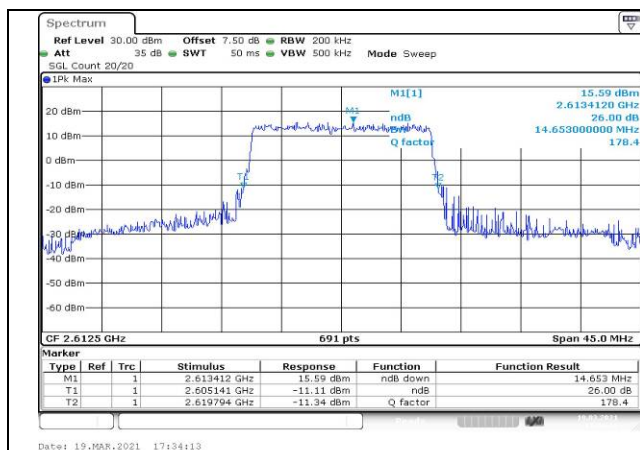


Fig.25

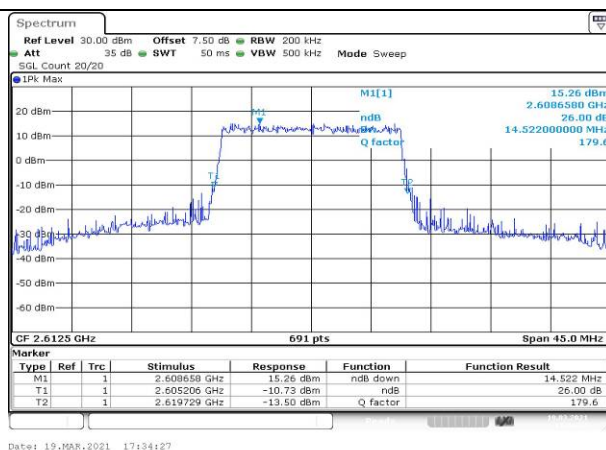


Fig.26

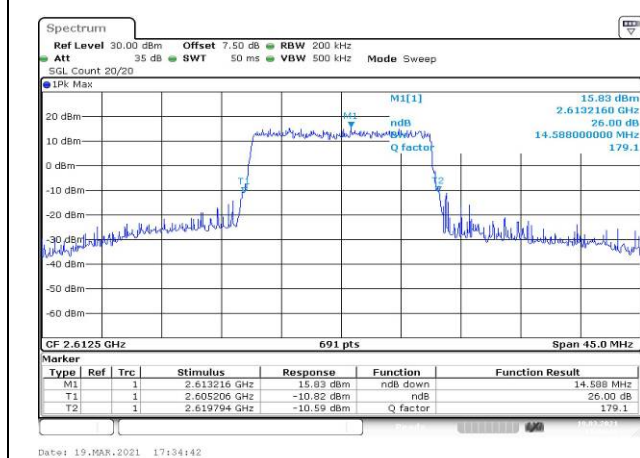


Fig.27

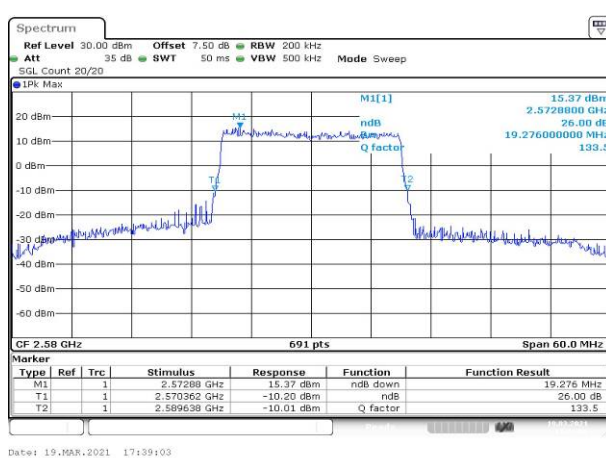


Fig.28

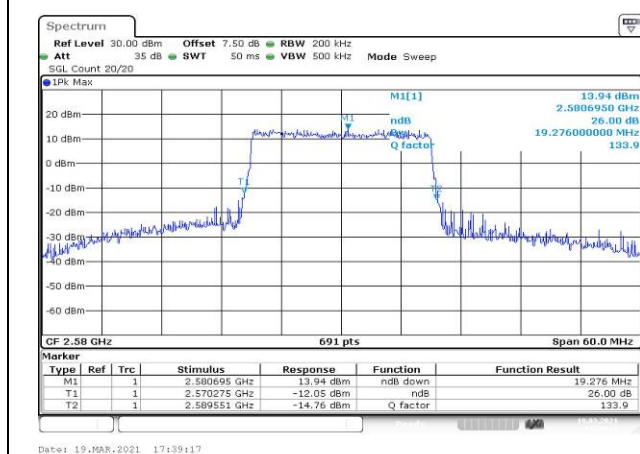


Fig.29

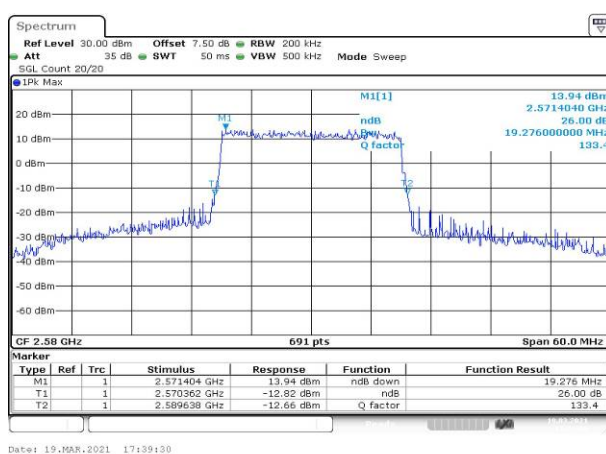


Fig.30

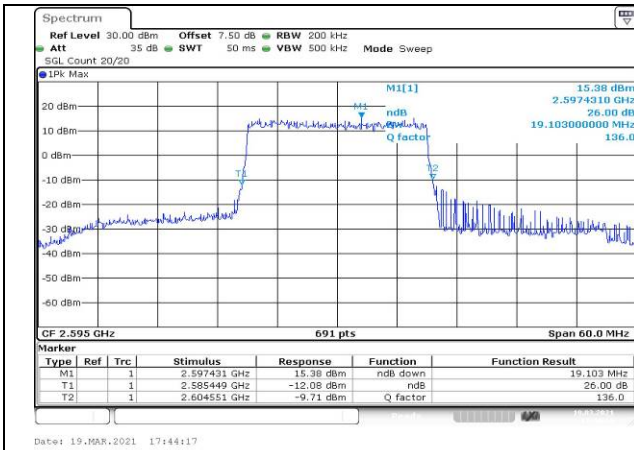


Fig.31

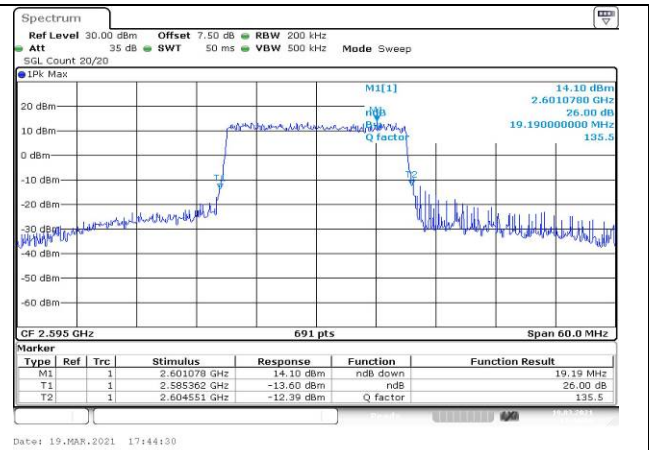


Fig.32

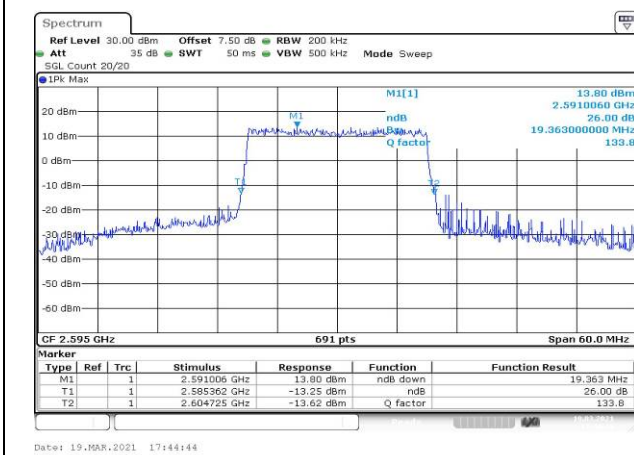


Fig.33

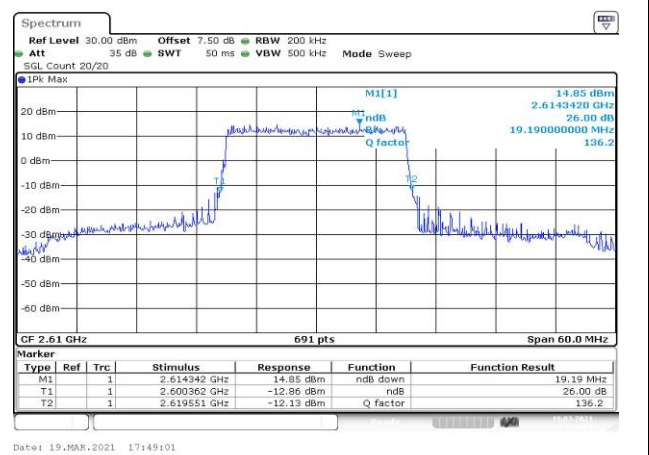


Fig.34

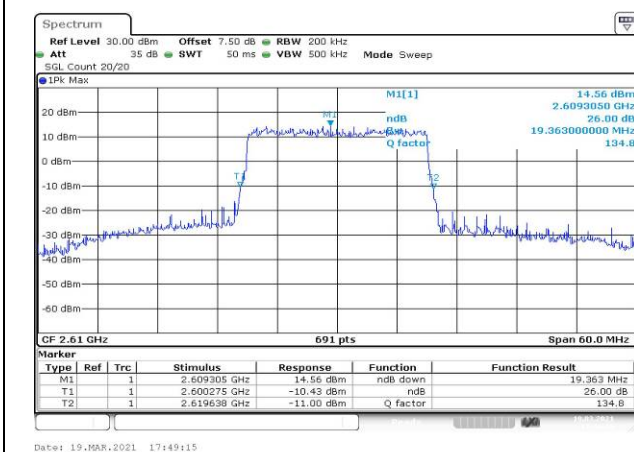


Fig.35

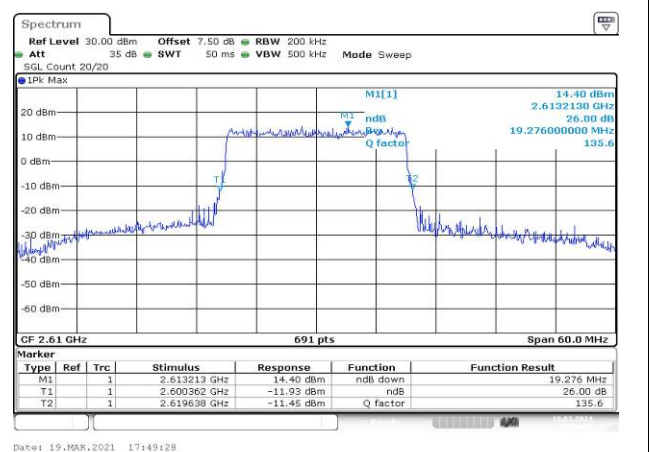


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2	Fig.3
	2572.5	37775		25	0	Fig.4	Fig.5	Fig.6
	2595	38000		1	24	Fig.7	Fig.8	Fig.9
	2595	38000		25	0	Fig.10	Fig.11	Fig.12
	2617.5	38225		1	24	Fig.13	Fig.14	Fig.15
	2617.5	38225		25	0	Fig.16	Fig.17	Fig.18
	2575	37800	10	1	49	Fig.19	Fig.20	Fig.21
	2575	37800		50	0	Fig.22	Fig.23	Fig.24
	2595	38000		1	49	Fig.25	Fig.26	Fig.27
	2595	38000		50	0	Fig.28	Fig.29	Fig.30
	2615	38200		1	49	Fig.31	Fig.32	Fig.33
	2615	38200		50	0	Fig.34	Fig.35	Fig.36
	2577.5	37825	15	1	74	Fig.37	Fig.38	Fig.39
	2577.5	37825		75	0	Fig.40	Fig.41	Fig.42
	2595	38000		1	74	Fig.43	Fig.44	Fig.45
	2595	38000		75	0	Fig.46	Fig.47	Fig.48
	2612.5	38175		1	74	Fig.49	Fig.50	Fig.51
	2612.5	38175		75	0	Fig.52	Fig.53	Fig.54
	2580	37850	20	1	99	Fig.55	Fig.56	Fig.57
	2580	37850		100	0	Fig.58	Fig.59	Fig.60
	2595	38000		1	99	Fig.61	Fig.62	Fig.63
	2595	38000		100	0	Fig.64	Fig.65	Fig.66
	2610	38150		1	99	Fig.67	Fig.68	Fig.69
	2610	38150		100	0	Fig.70	Fig.71	Fig.72

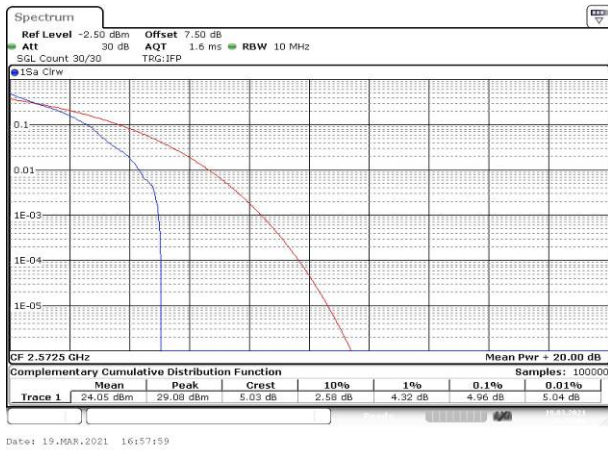


Fig.1



Fig.2

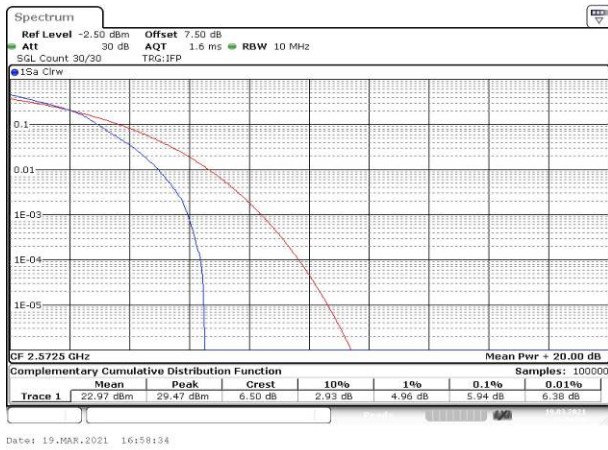


Fig.3

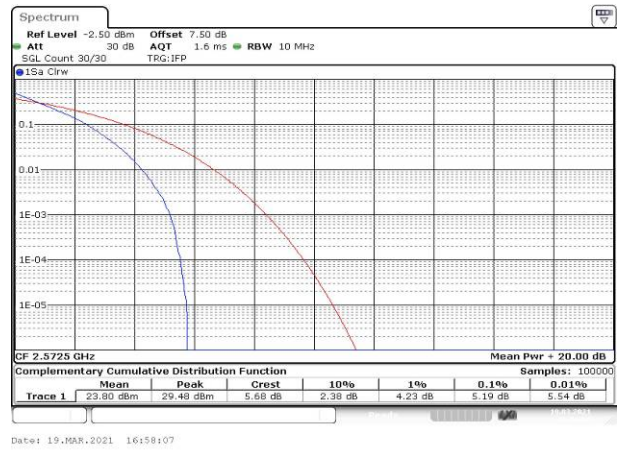


Fig.4

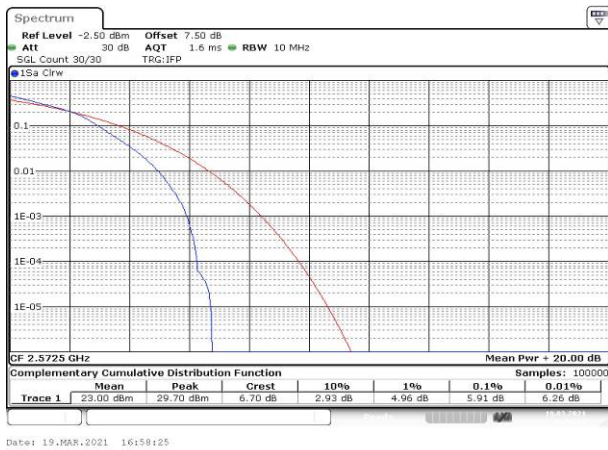


Fig.5

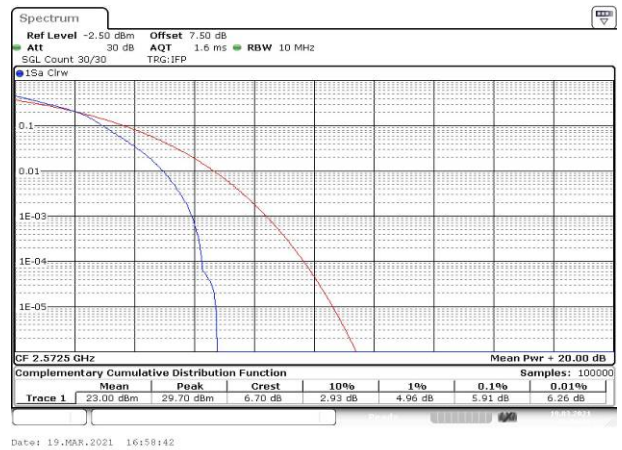


Fig.6

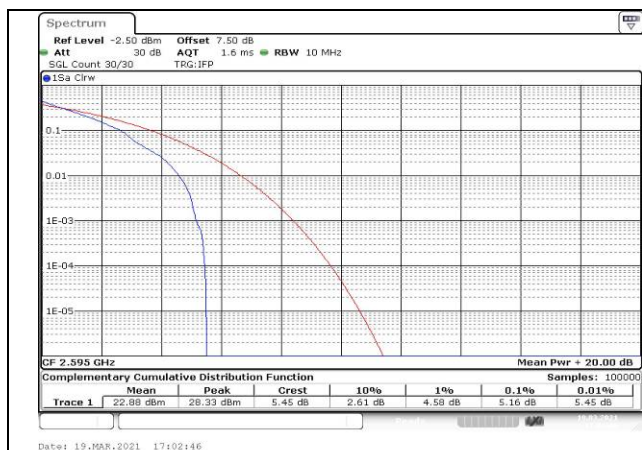


Fig.7

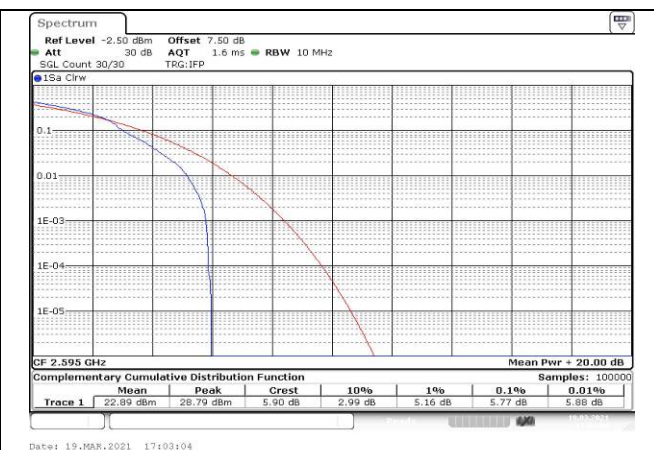


Fig.8

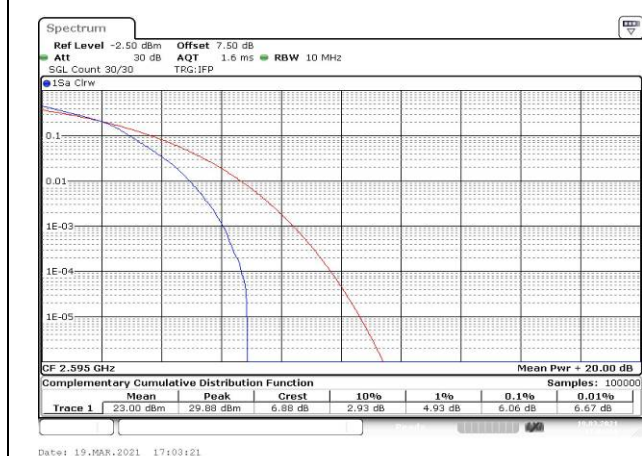


Fig.9

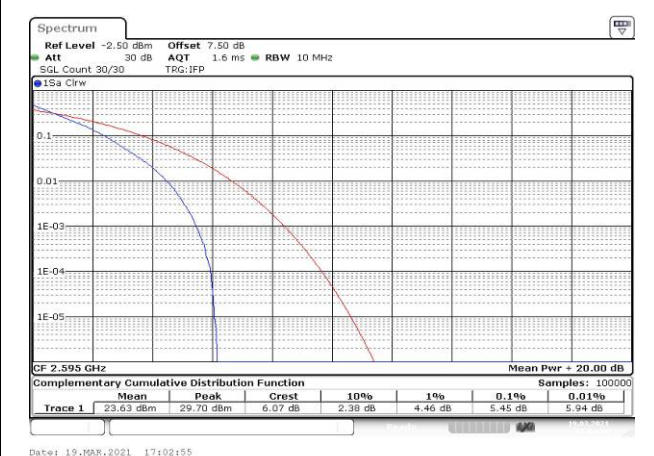


Fig.10

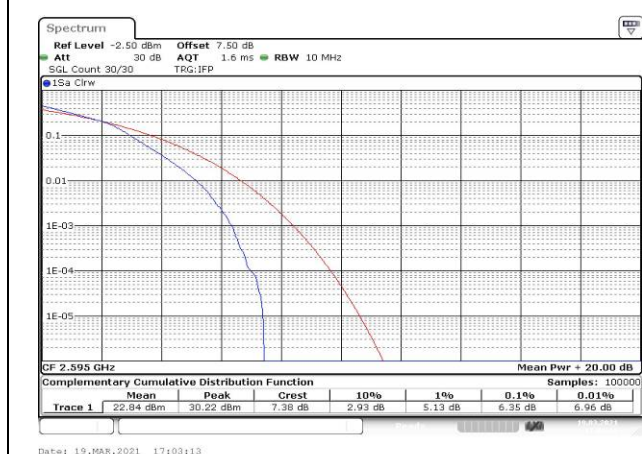


Fig.11

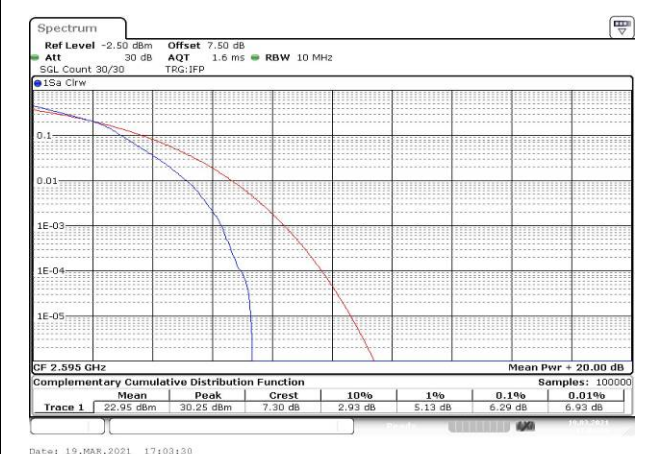


Fig.12