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
				25	0	24.12
	2593	40620		1	0	24.99
				1	12	25.06
				1	24	25.09
				12	0	24.11
				12	7	24.17
				12	13	24.16
				25	0	24.11
	2687.5	41565		1	0	24.66
				1	12	24.66
				1	24	24.65
				12	0	23.72
				12	7	23.74
				12	13	23.73
				25	0	23.76
16QAM	2498.5	39675		1	0	24.54
				1	12	24.56
				1	24	24.53
				12	0	23.04
				12	7	23.06
				12	13	23.06
				25	0	23.14
	2593	40620		1	0	24.28
				1	12	24.34
				1	24	24.31
				12	0	23.11
				12	7	23.13
				12	13	23.20
				25	0	23.13
	2687.5	41565		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
				50	0	24.06
	2593	40620		1	0	25.00
				1	25	24.96
				1	49	24.99
				25	0	24.10
				25	12	24.16
				25	25	24.17
				50	0	24.20
	2685	41540		1	0	24.74
				1	25	24.73
				1	49	24.75
				25	0	23.72
				25	12	23.79
				25	25	23.77
				50	0	23.70
16QAM	2501	39700		1	0	24.40
				1	25	24.43
				1	49	24.35
				25	0	23.26
				25	12	23.14
				25	25	23.24
				50	0	23.12
	2593	40620		1	0	24.33
				1	25	24.22
				1	49	24.15
				25	0	23.14
				25	12	23.20
				25	25	23.26
				50	0	23.18
	2685	41540		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
				75	0	24.08
	2593	40620		1	0	25.11
				1	37	25.15
				1	74	25.11
				36	0	24.13
				36	29	24.20
				36	30	24.11
				75	0	24.17
	2682.5	41515		1	0	24.77
				1	37	24.67
				1	74	24.69
				36	0	23.78
				36	29	23.82
				36	30	23.74
				75	0	23.77
16QAM	2503.5	39725		1	0	24.36
				1	37	24.31
				1	74	24.26
				36	0	23.18
				36	29	23.12
				36	30	23.13
				75	0	23.13
	2593	40620		1	0	24.13
				1	37	24.18
				1	74	24.21
				36	0	23.04
				36	29	23.15
				36	30	23.14
				75	0	23.11
	2682.5	41515		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
				100	0	24.19
	2680	41490		1	0	24.83
				1	49	24.74
				1	99	24.71
				50	0	23.76
				50	24	23.81
				50	50	23.78
				100	0	23.76
16QAM	2506	39750		1	0	24.21
				1	49	24.25
				1	99	24.21
				50	0	23.16
				50	24	23.07
				50	50	23.09
				100	0	23.14
	2593	40620		1	0	24.19
				1	49	24.23
				1	99	24.23
				50	0	23.08
				50	24	23.06
				50	50	23.09
				100	0	23.18
	2680	41490		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

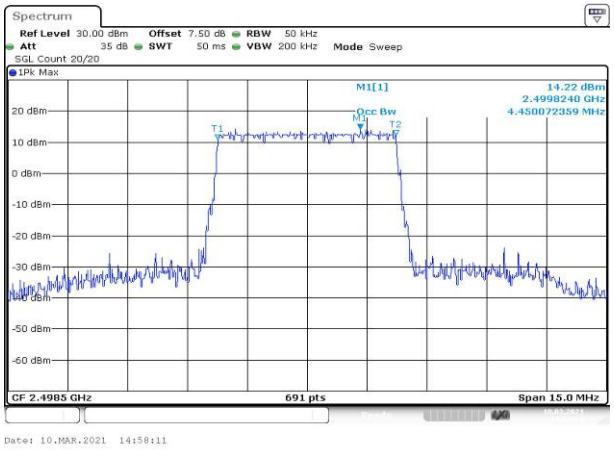


Fig.1

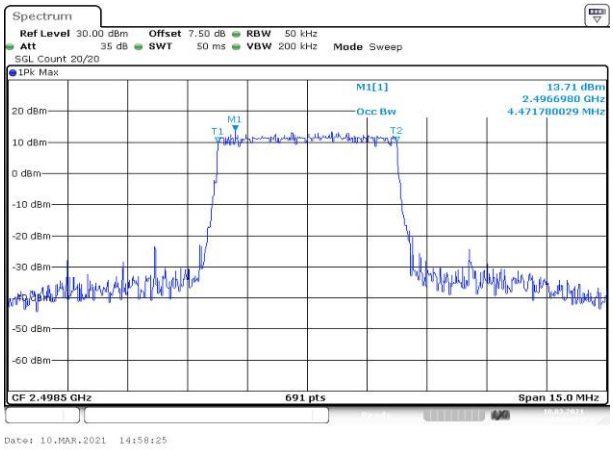


Fig.2

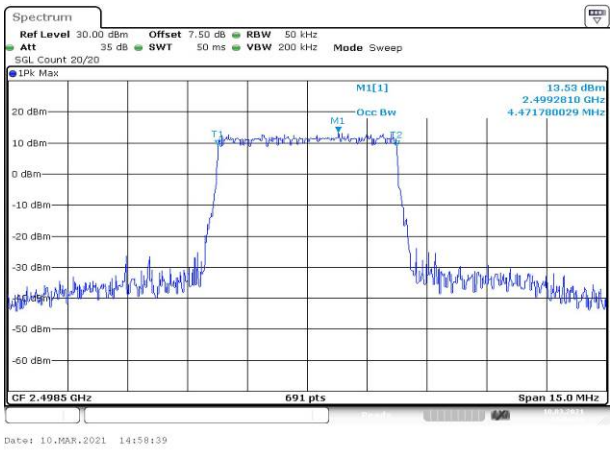


Fig.3

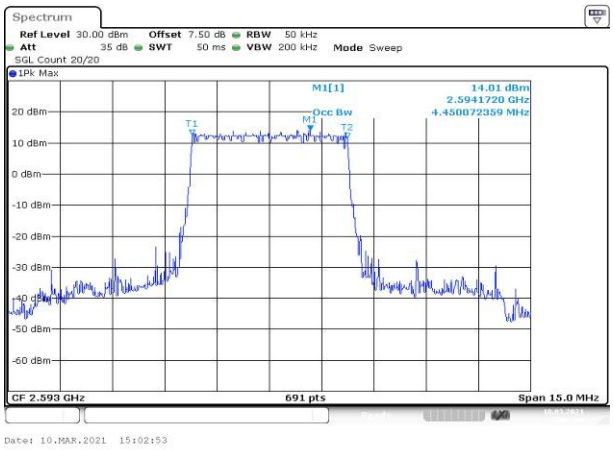


Fig.4

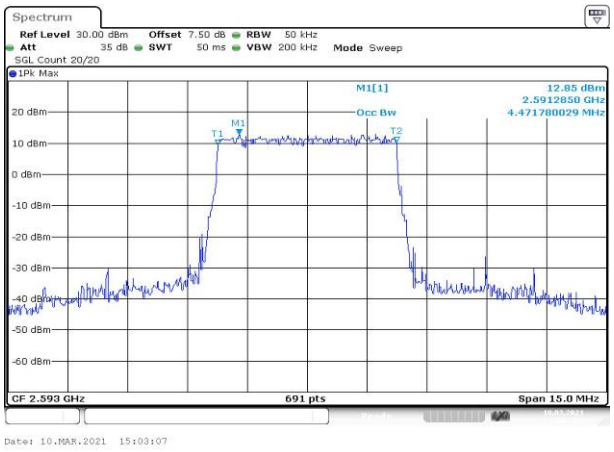


Fig.5

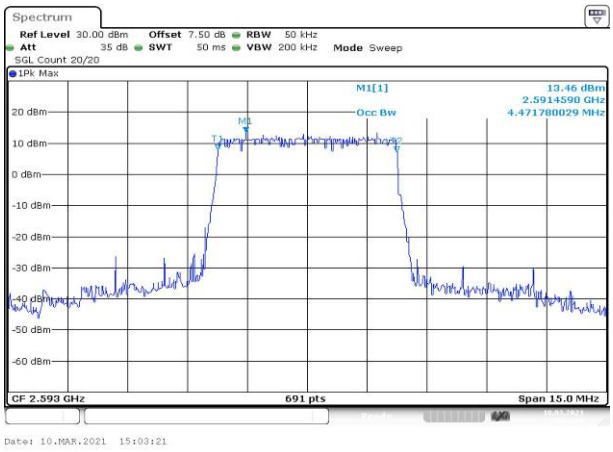


Fig.6

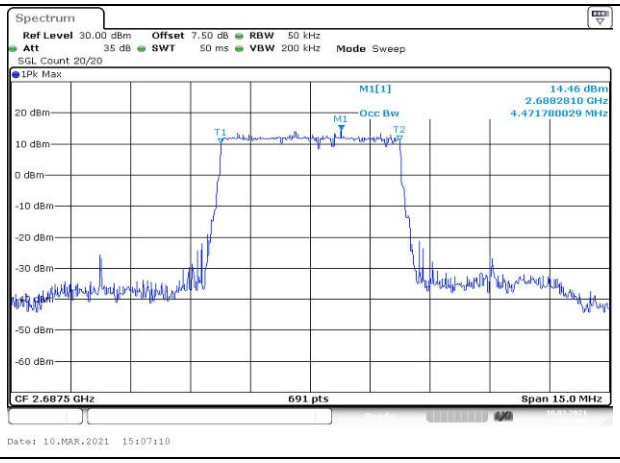


Fig.7

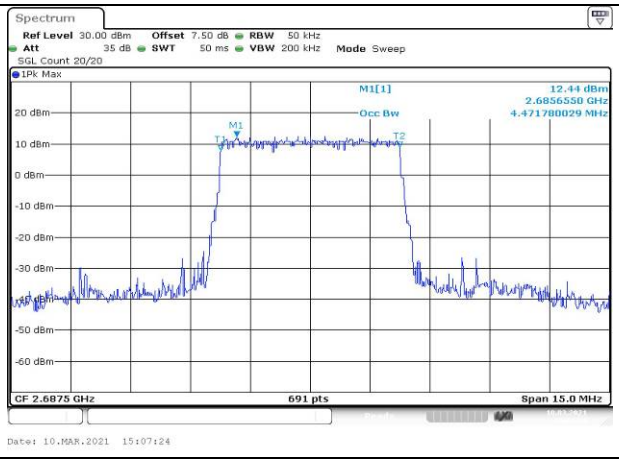


Fig.8

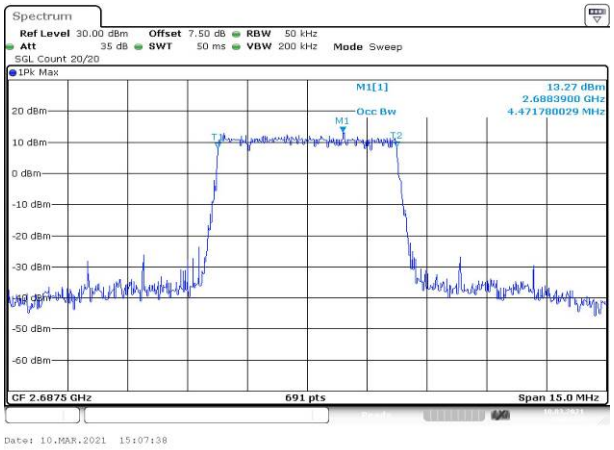


Fig.9

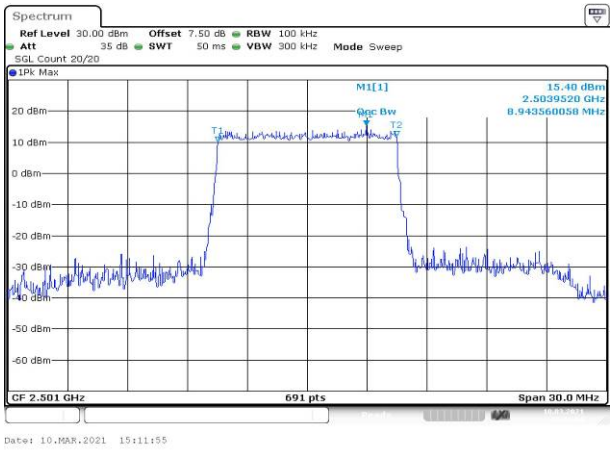


Fig.10

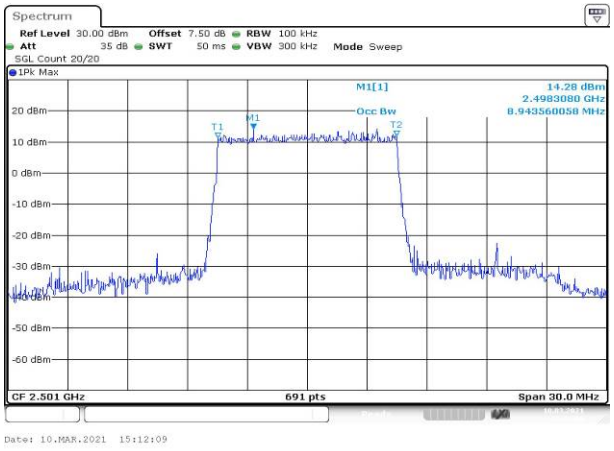


Fig.11

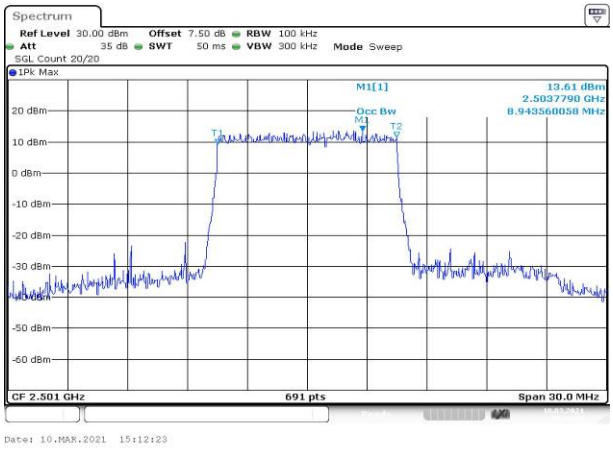


Fig.12

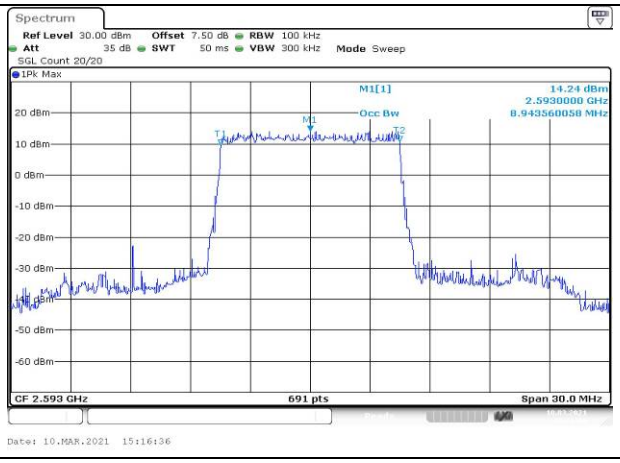
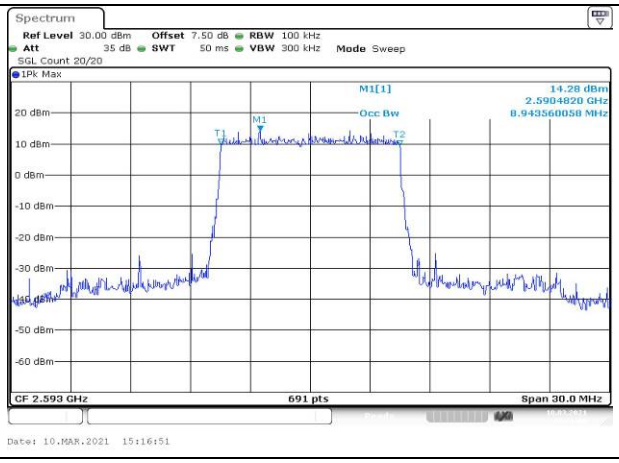


Fig.13



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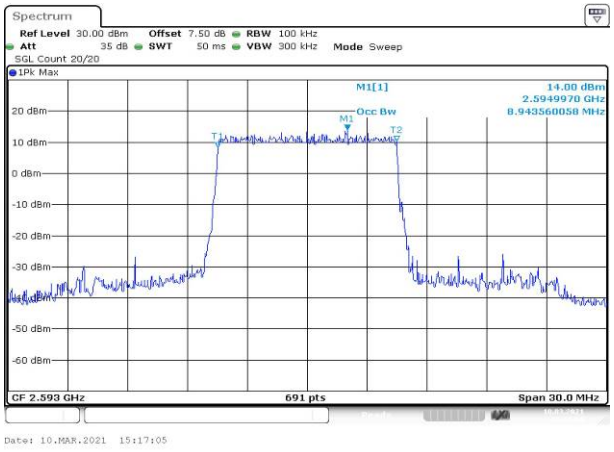


Fig.15

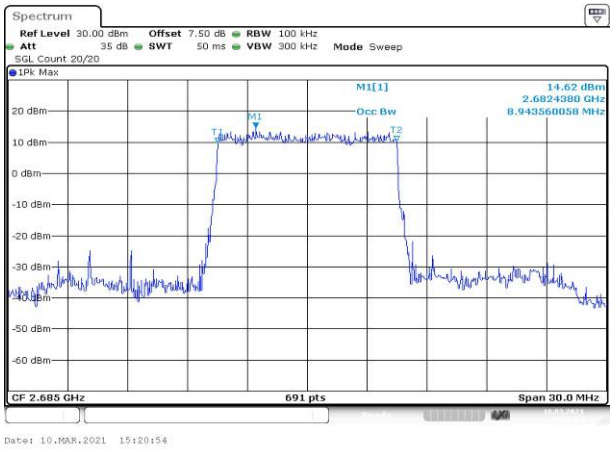


Fig.16

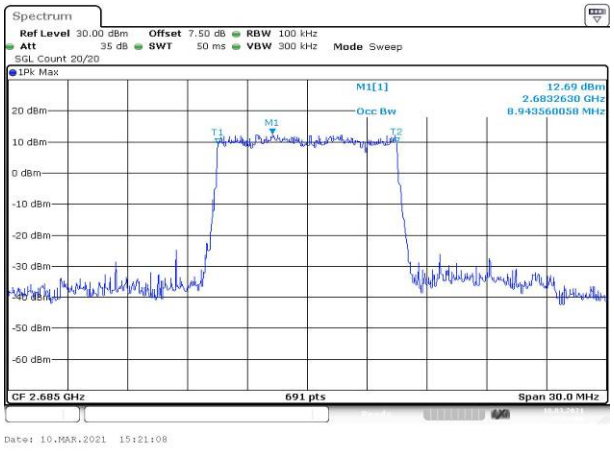
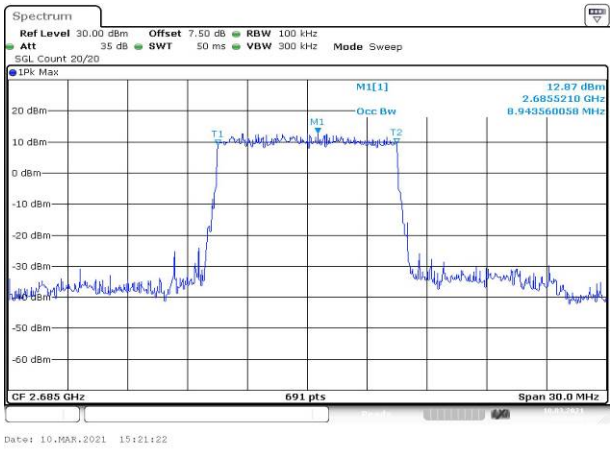


Fig.17



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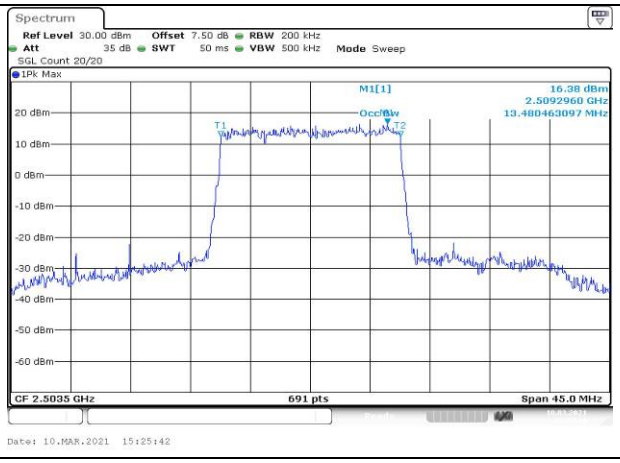


Fig.19

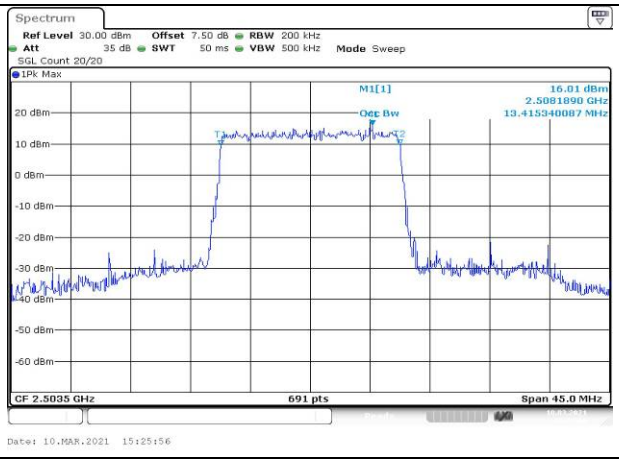


Fig.20

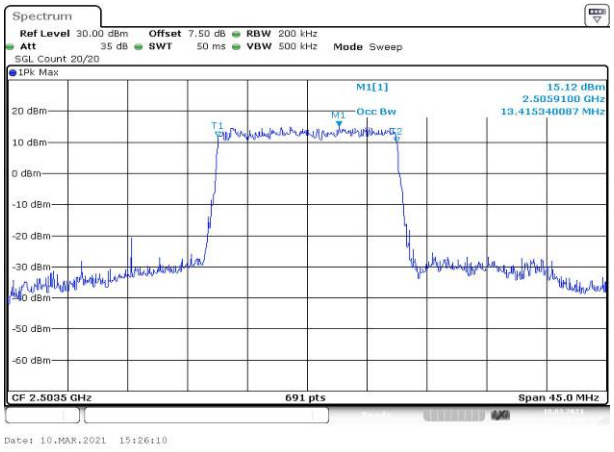


Fig.21

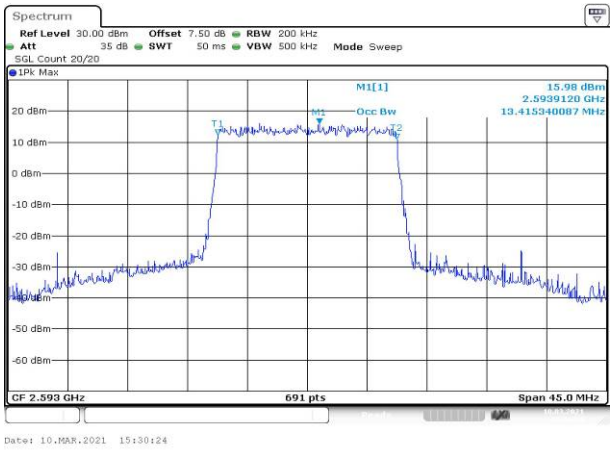


Fig.22

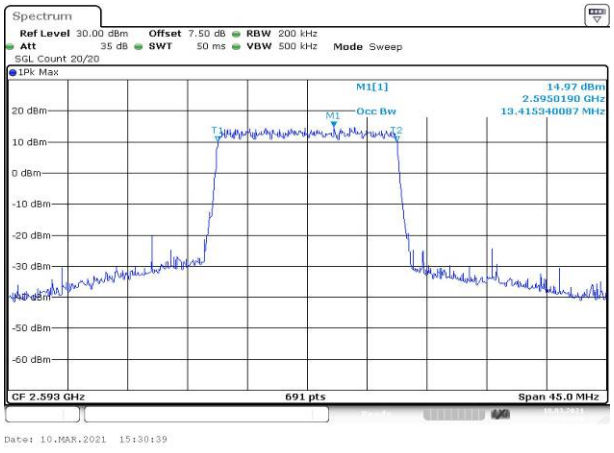


Fig.23

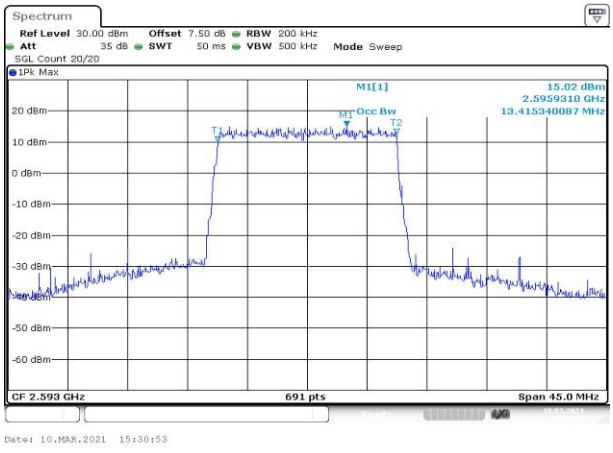


Fig.24

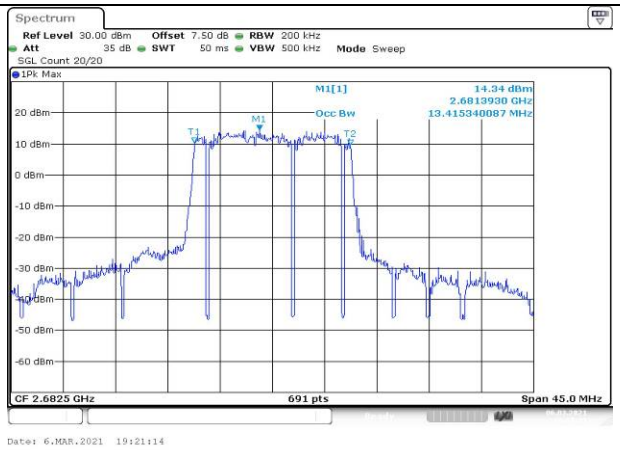


Fig.25

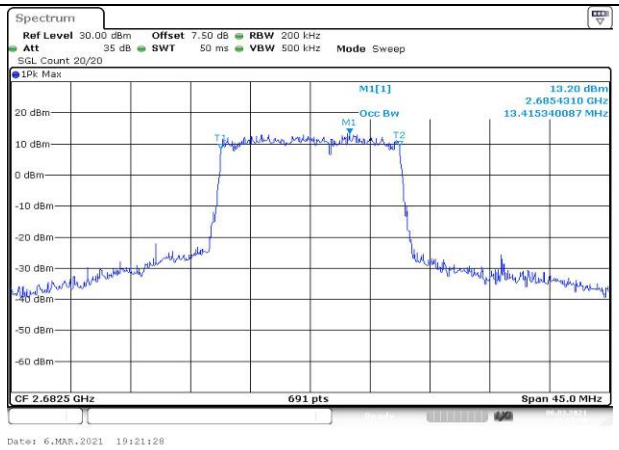


Fig.26

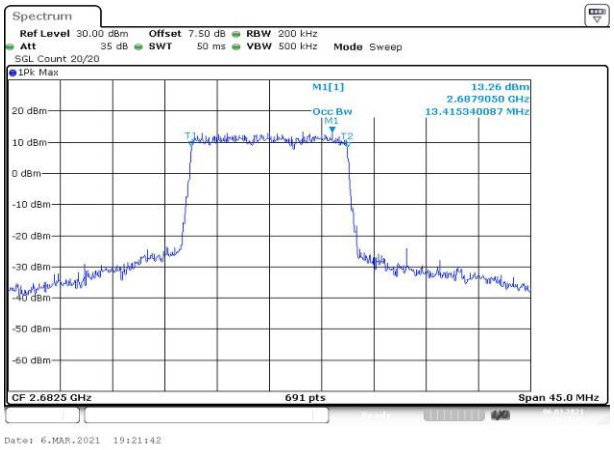


Fig.27

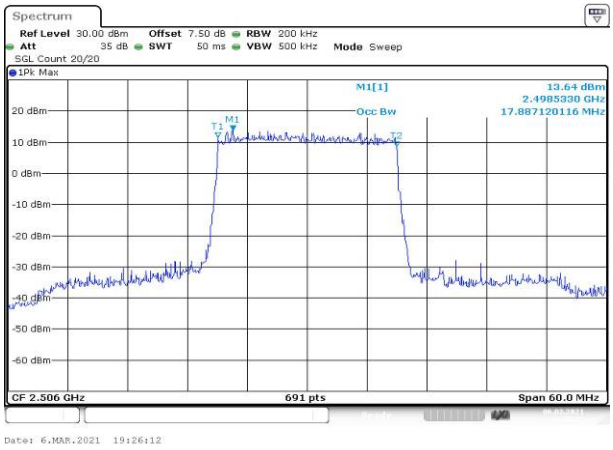


Fig.28

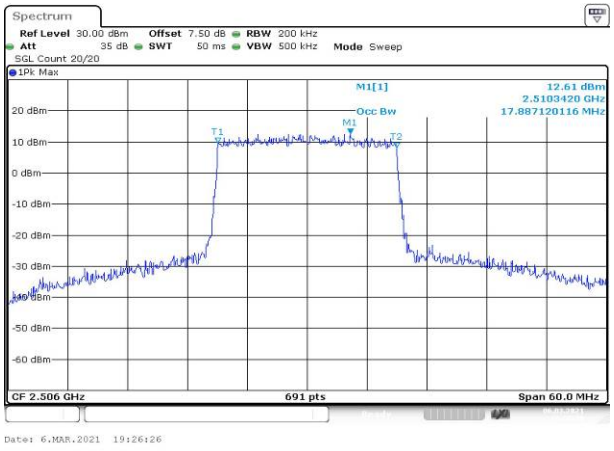
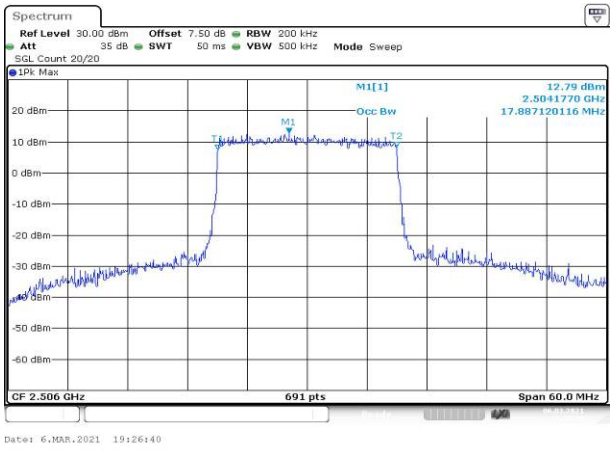


Fig.29



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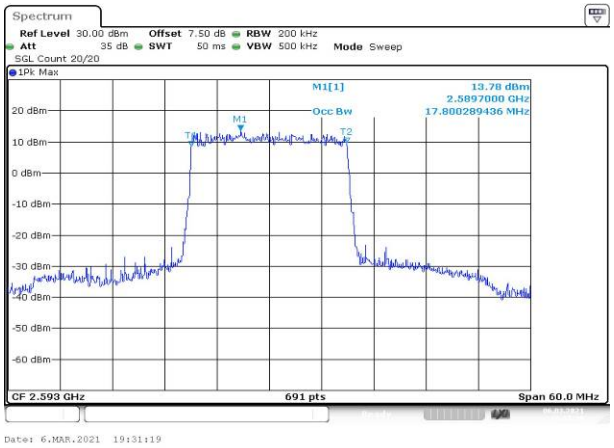

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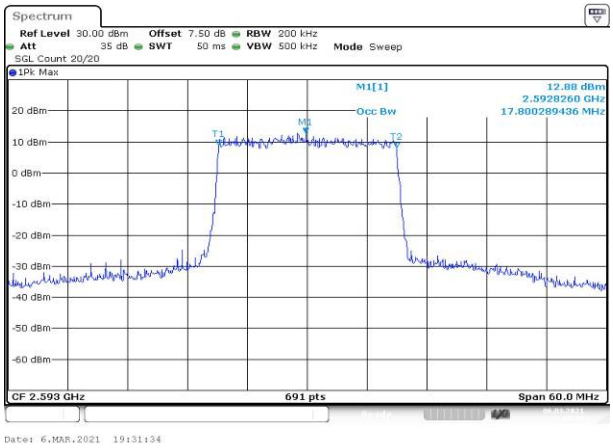

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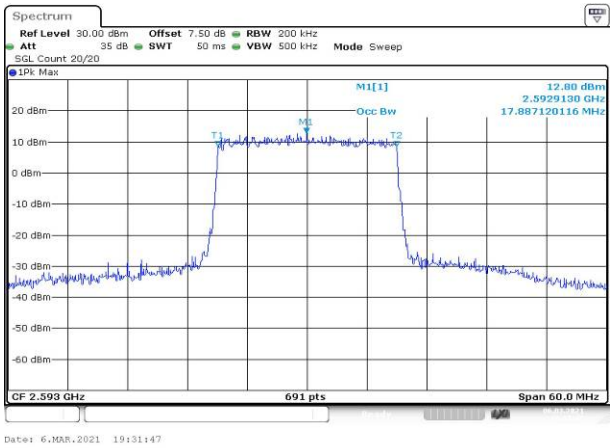

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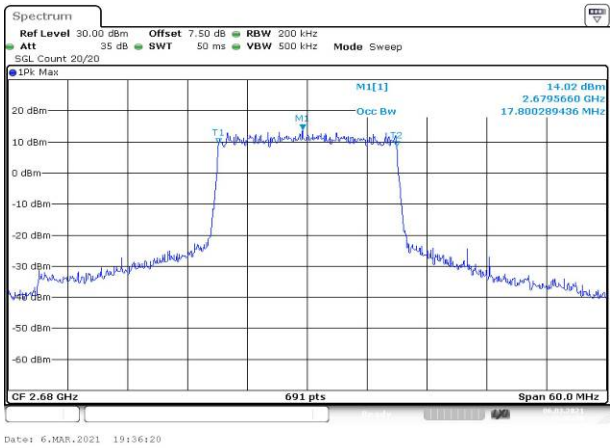

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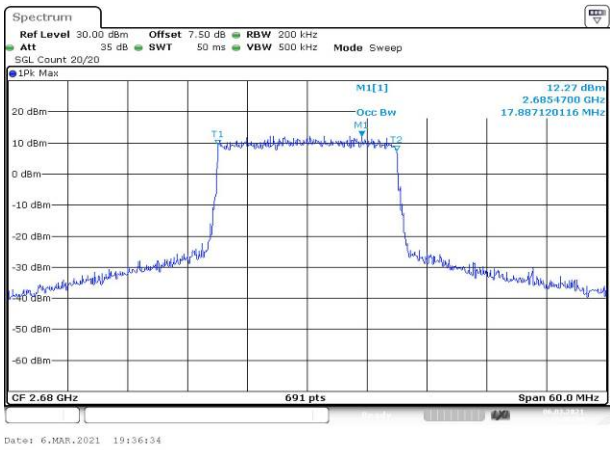

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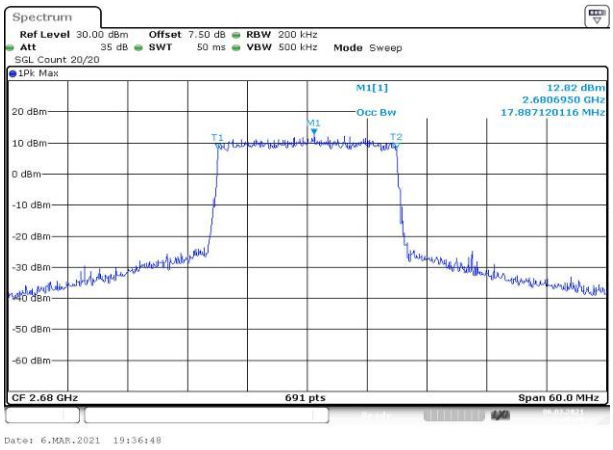


Fig.36

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

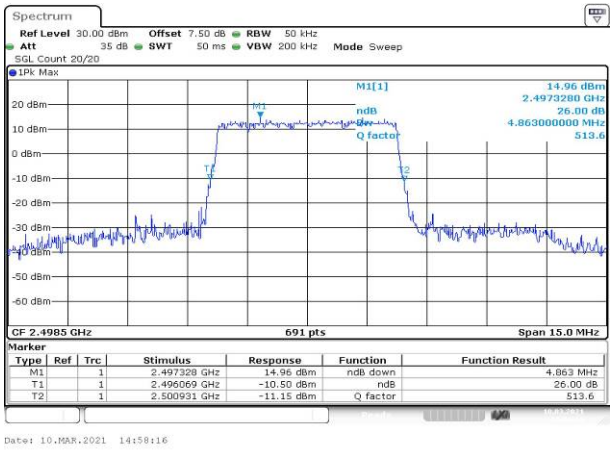
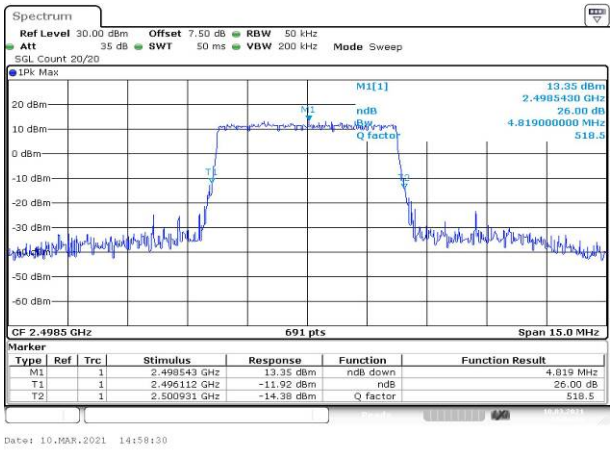


Fig.1



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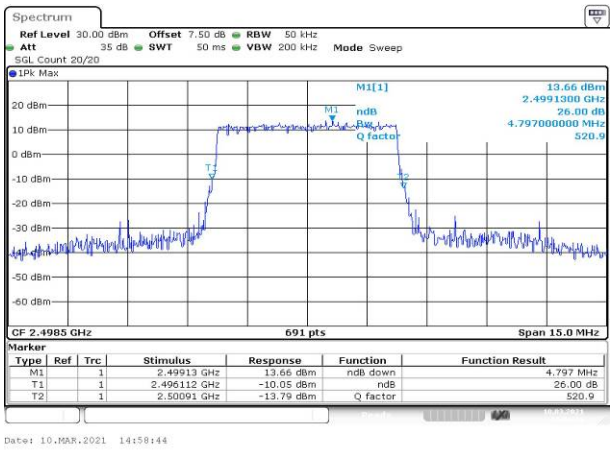

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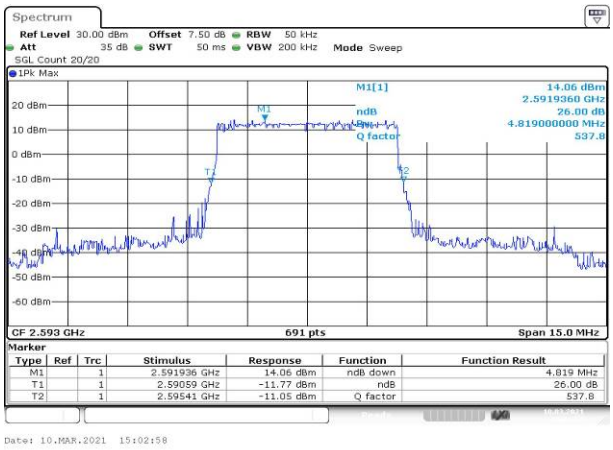

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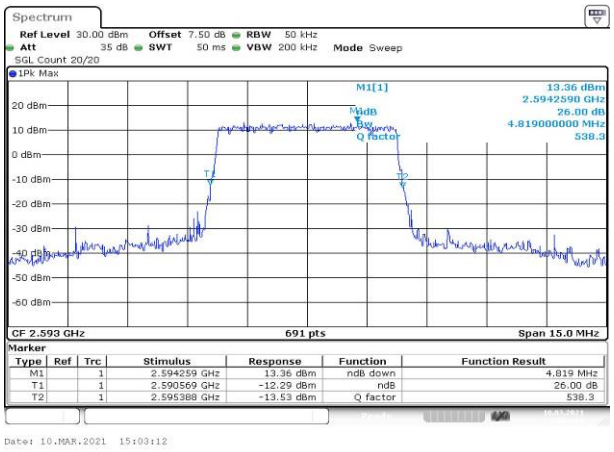


Fig.5

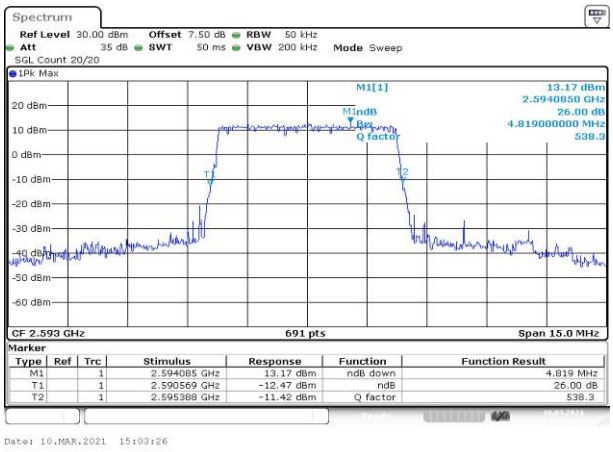
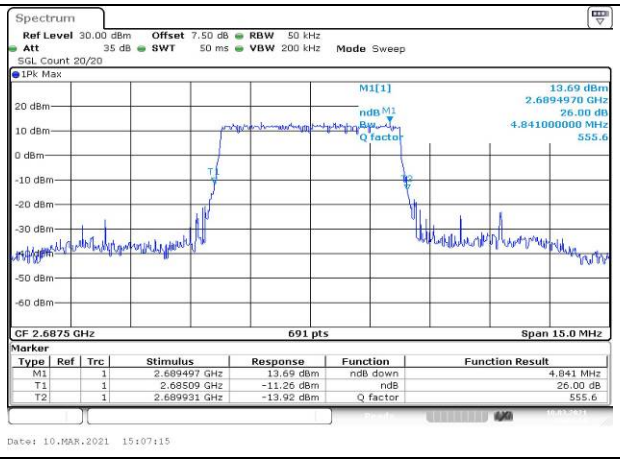


Fig.6



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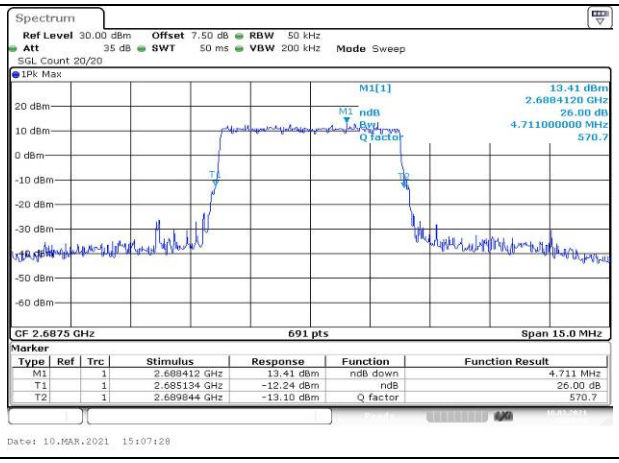


Fig.8

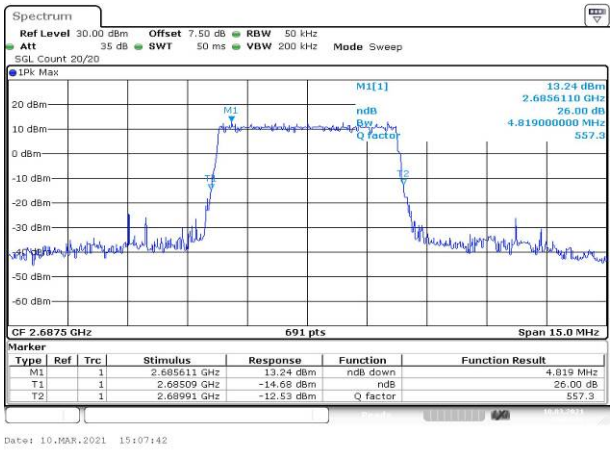


Fig.9

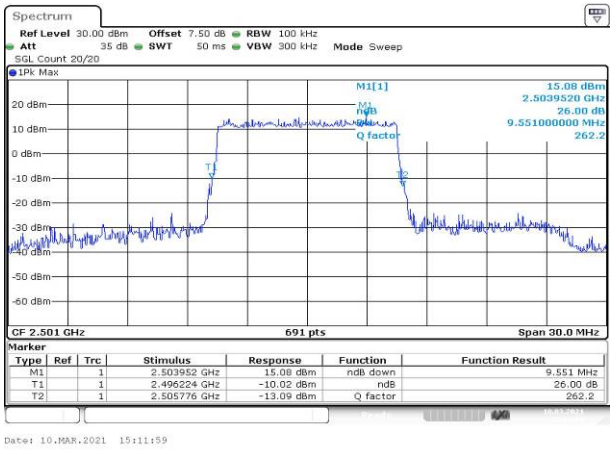


Fig.10

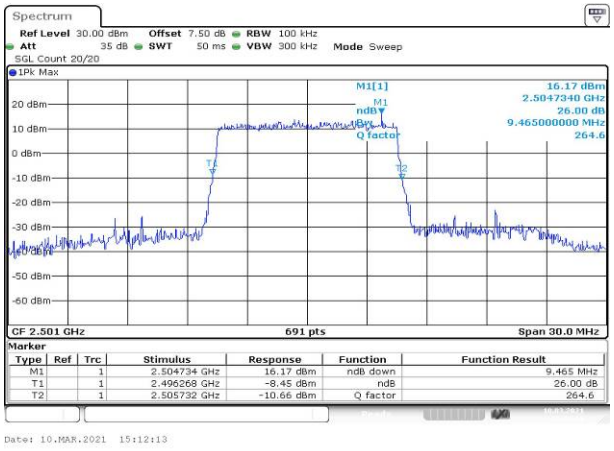


Fig.11

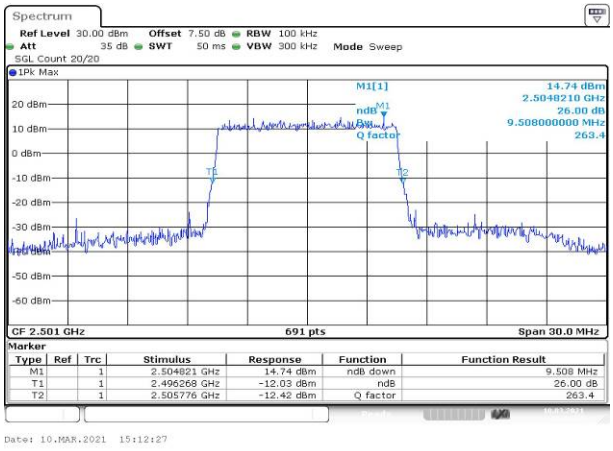


Fig.12

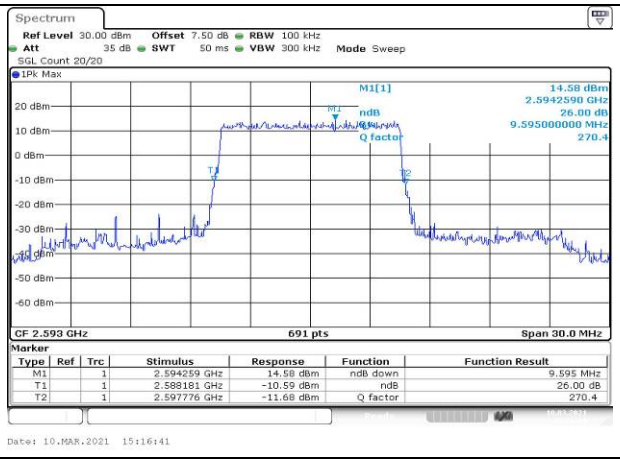


Fig.13

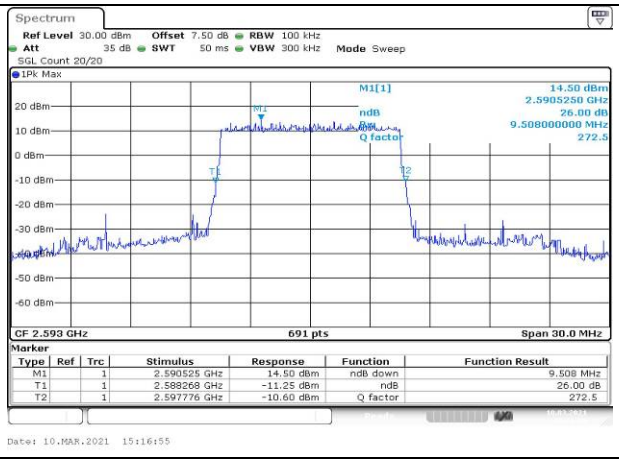
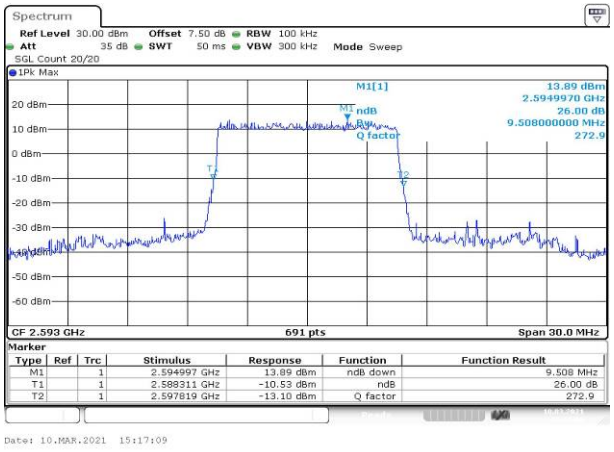


Fig.14



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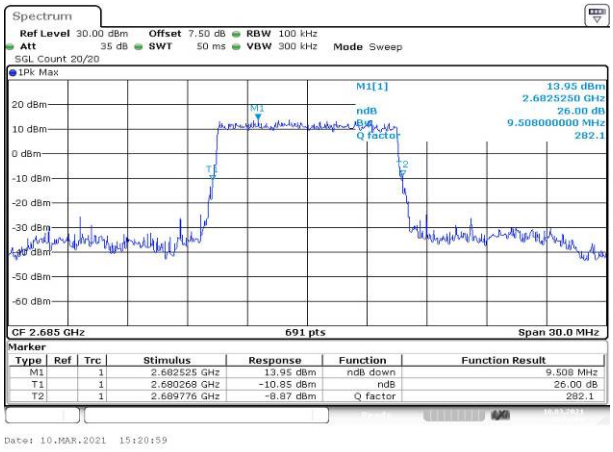

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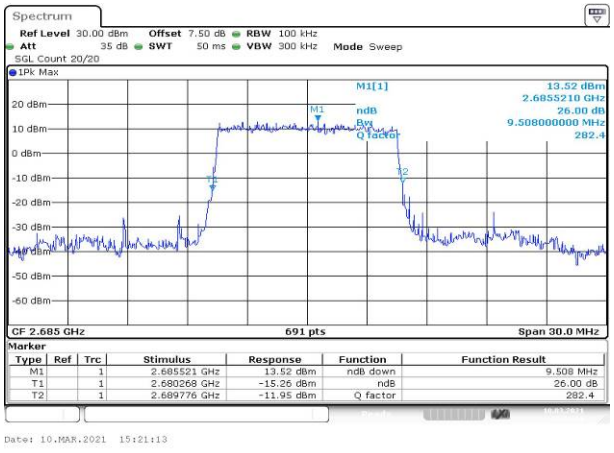

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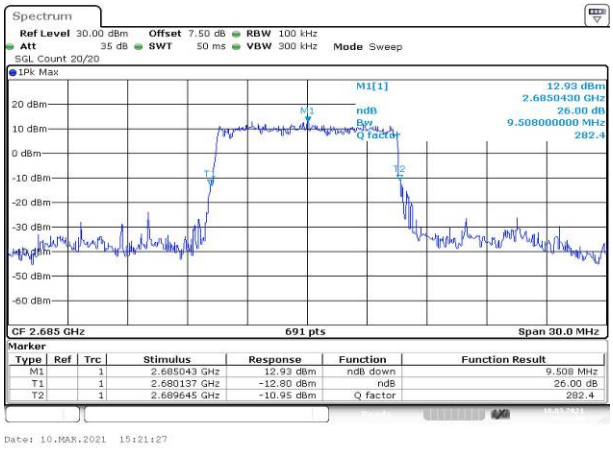

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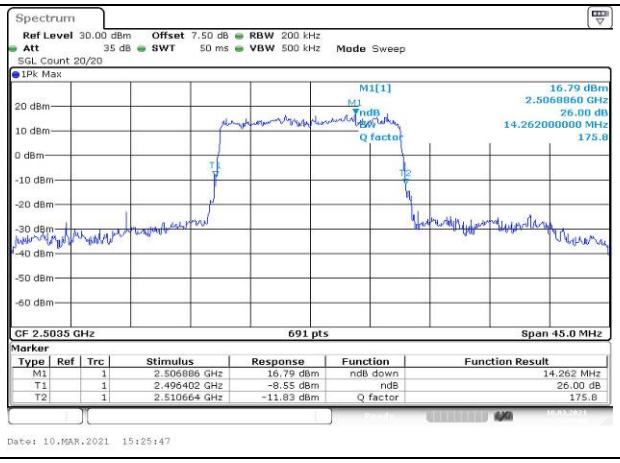

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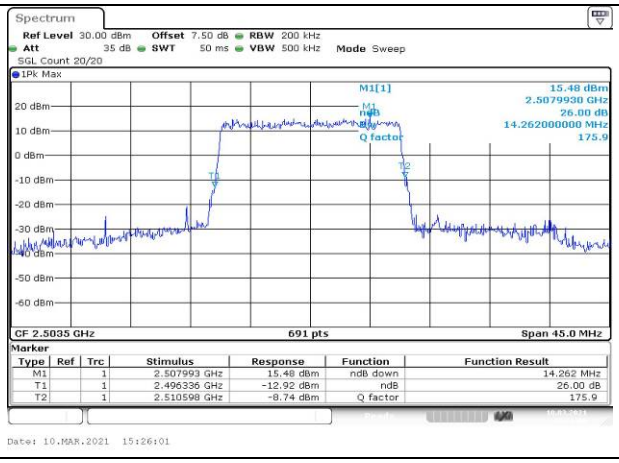
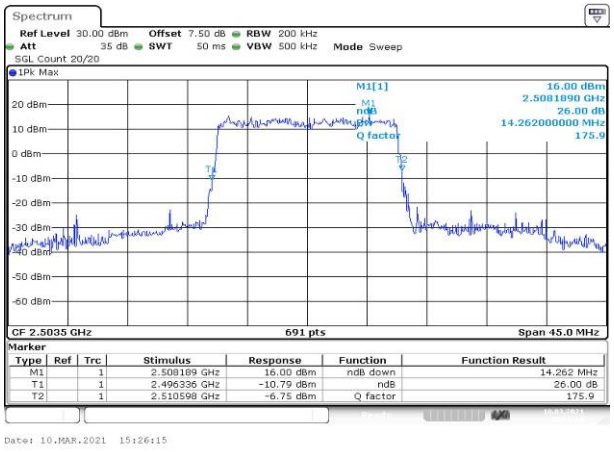


Fig.20



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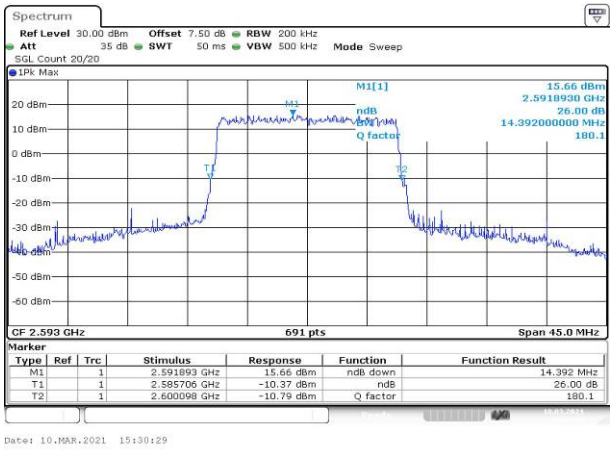

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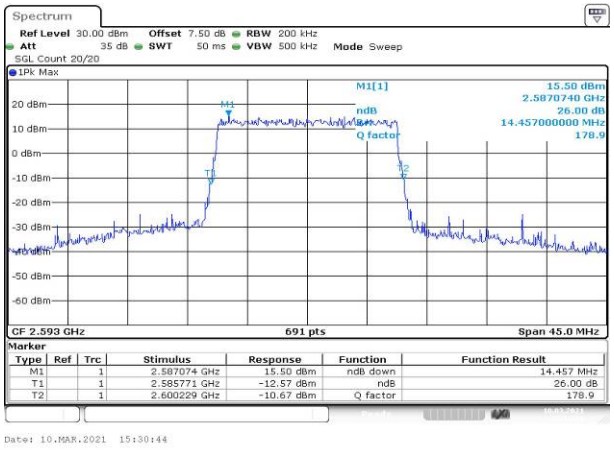

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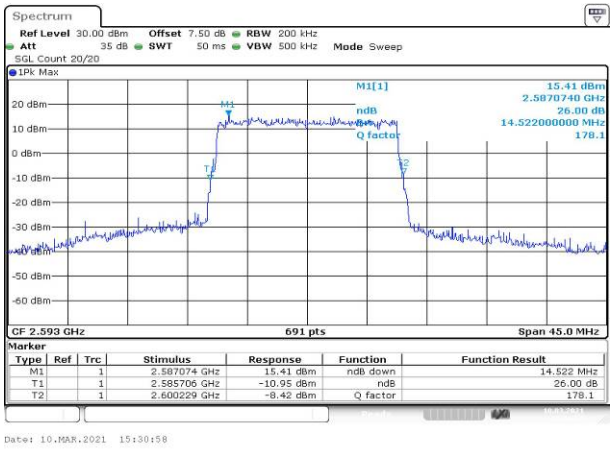

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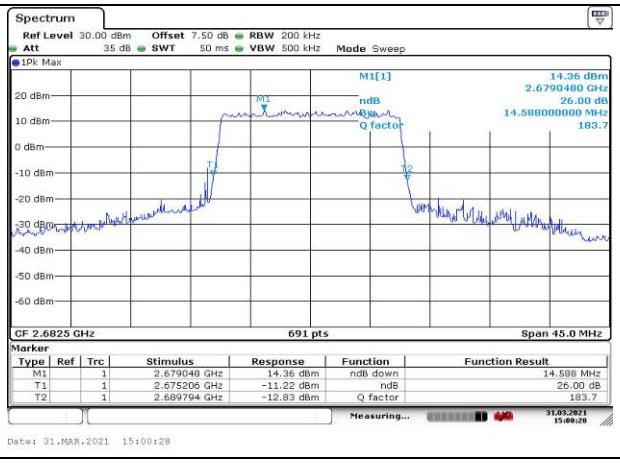


Fig.25

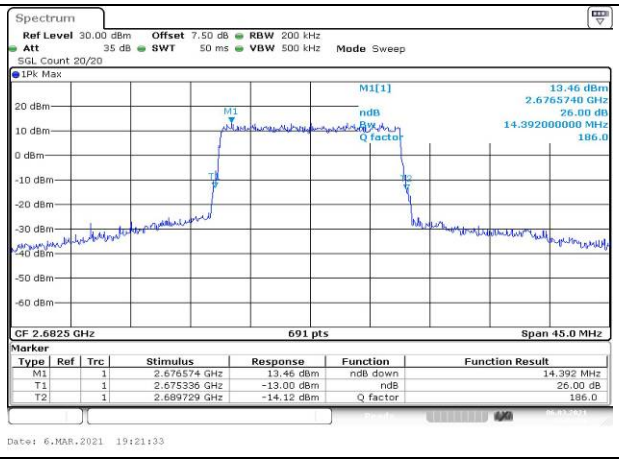


Fig.26

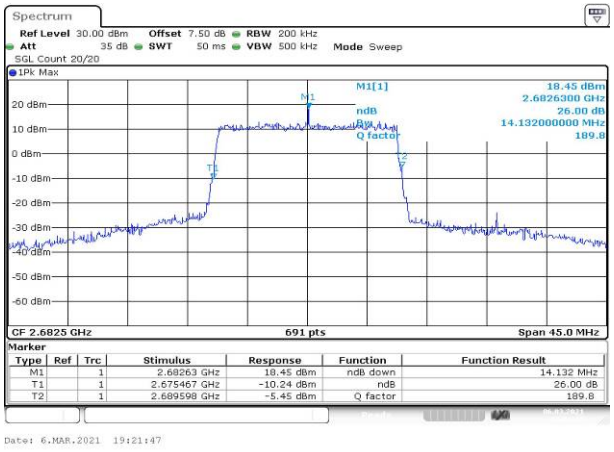


Fig.27

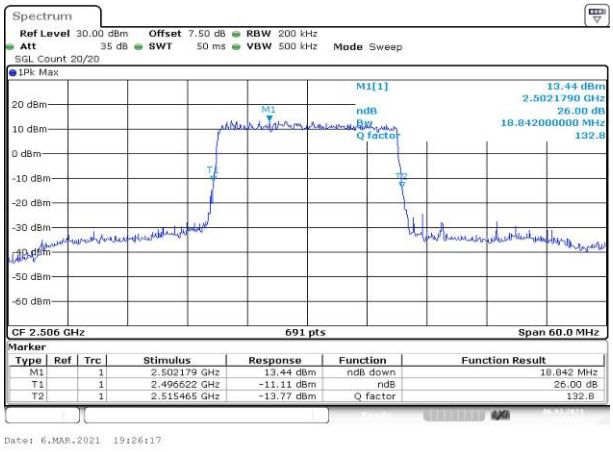


Fig.28

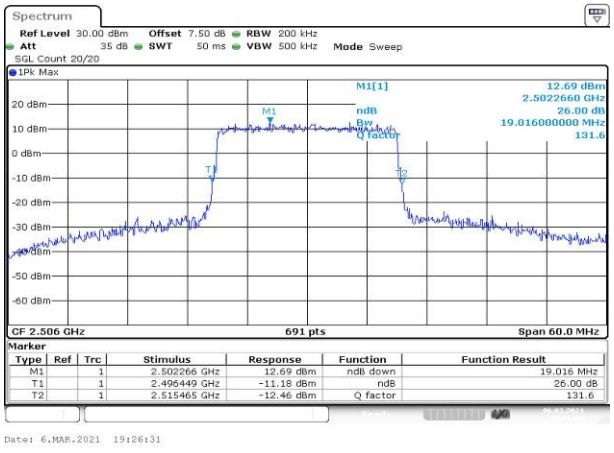
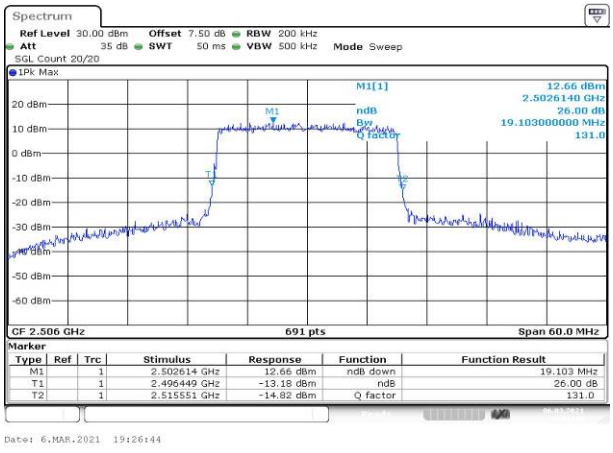


Fig.29



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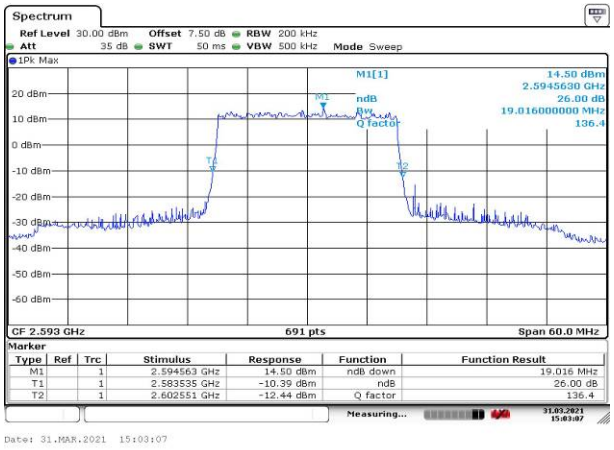

Fig.31

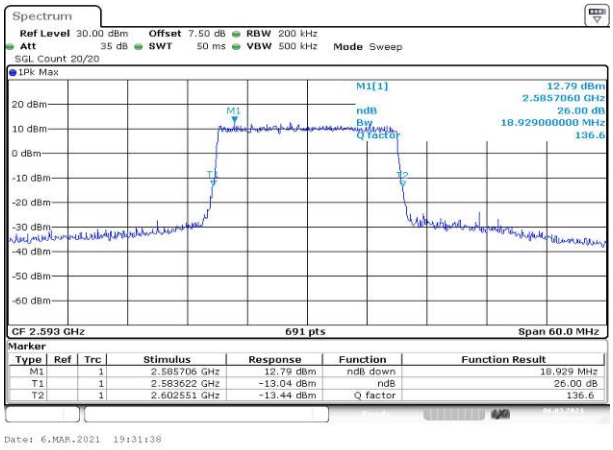

Fig.32

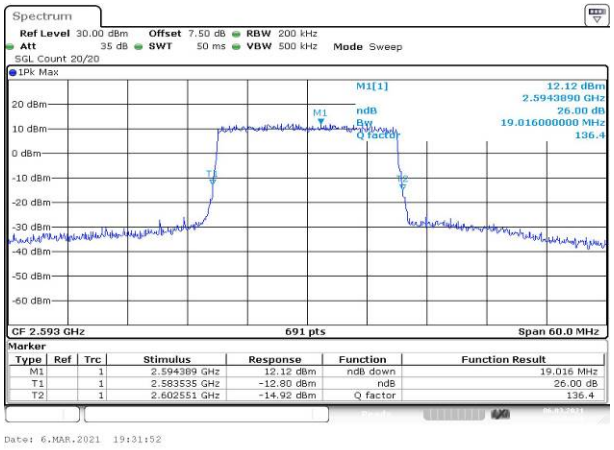

Fig.33

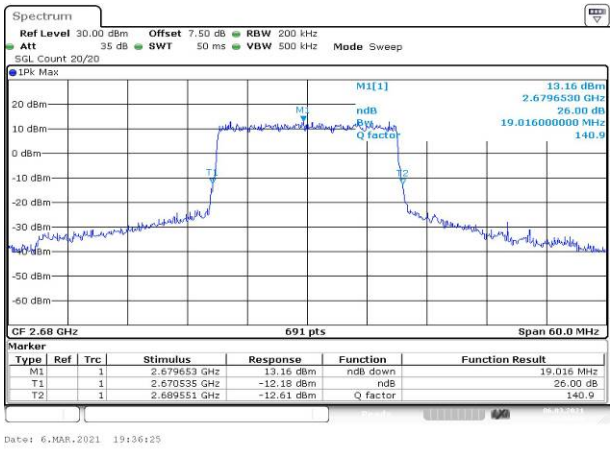

Fig.34

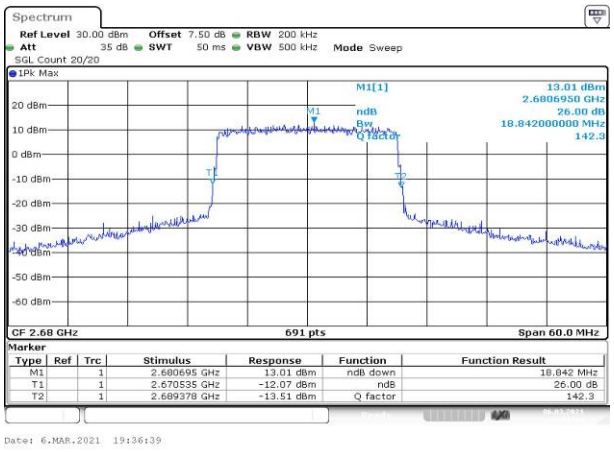

Fig.35

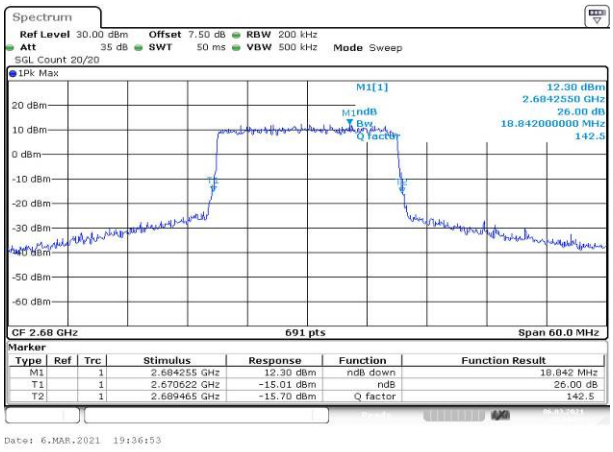

Fig.36

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

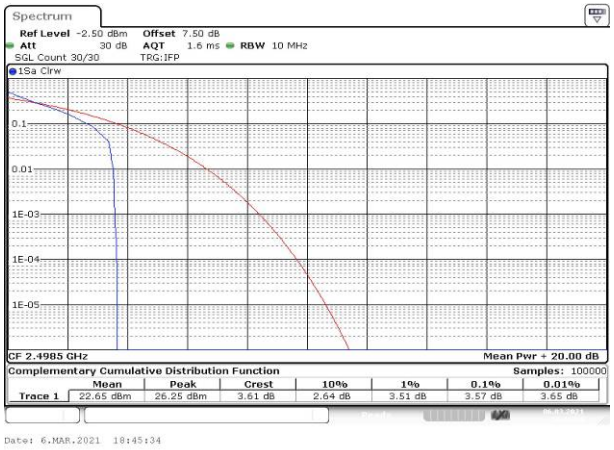

Fig.1

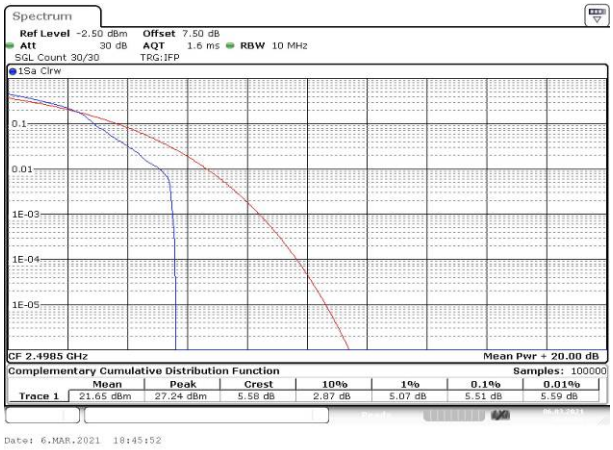

Fig.2

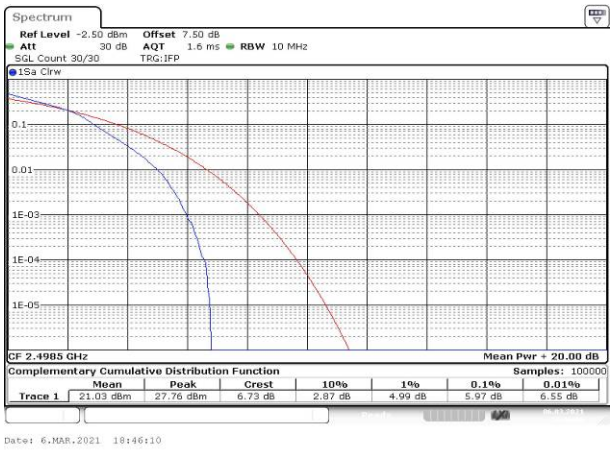

Fig.3

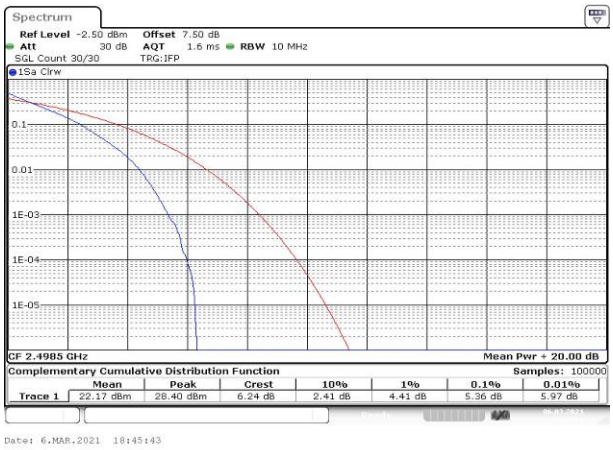

Fig.4

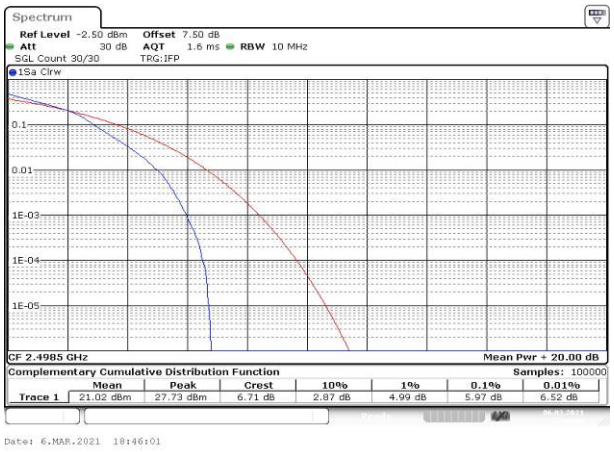

Fig.5

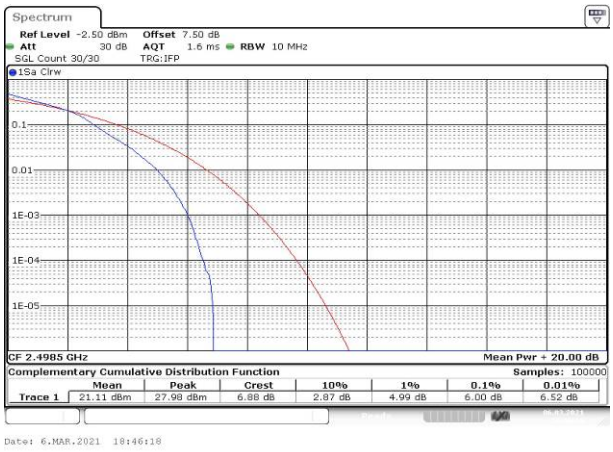

Fig.6

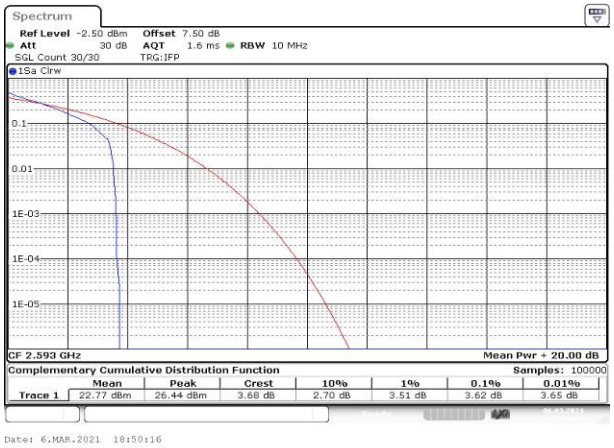

Fig.7

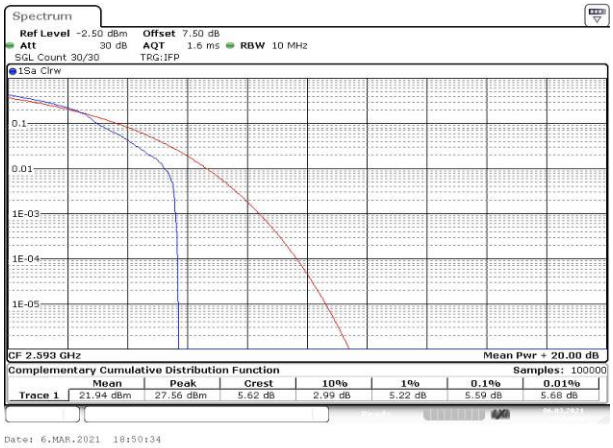

Fig.8

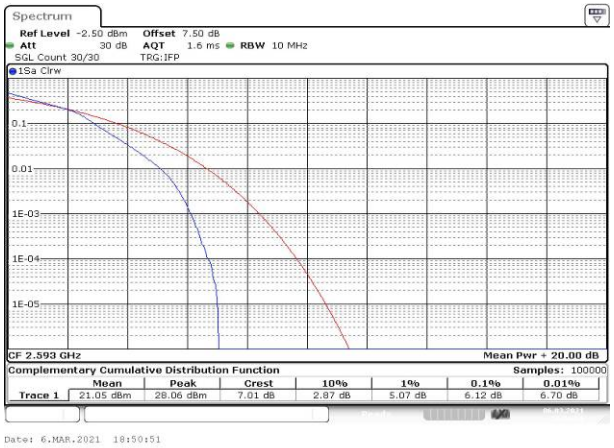

Fig.9

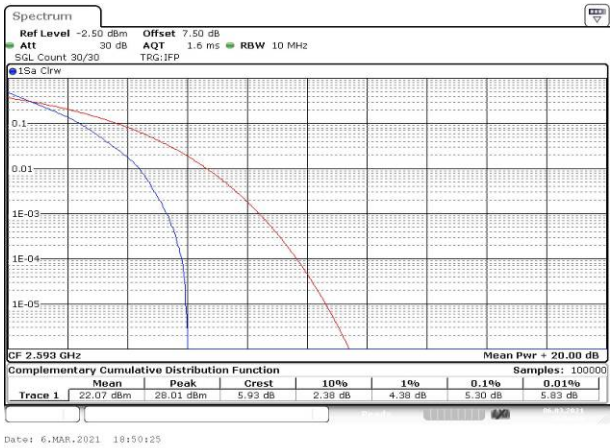

Fig.10

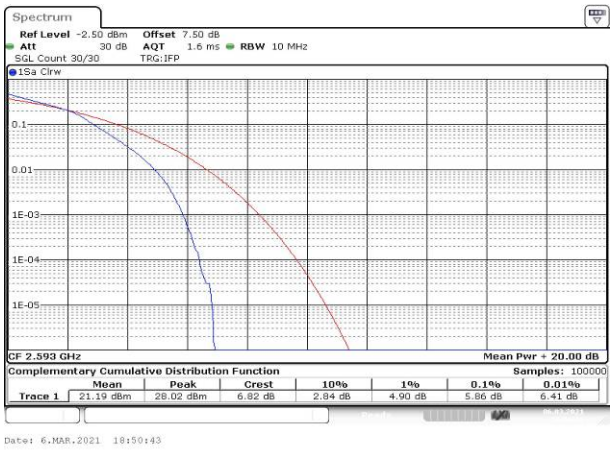

Fig.11

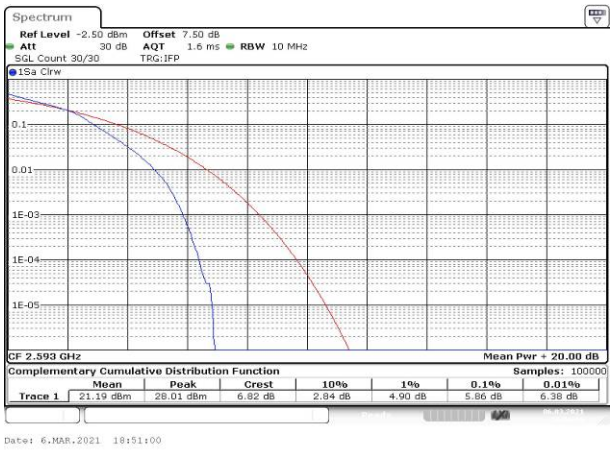

Fig.12

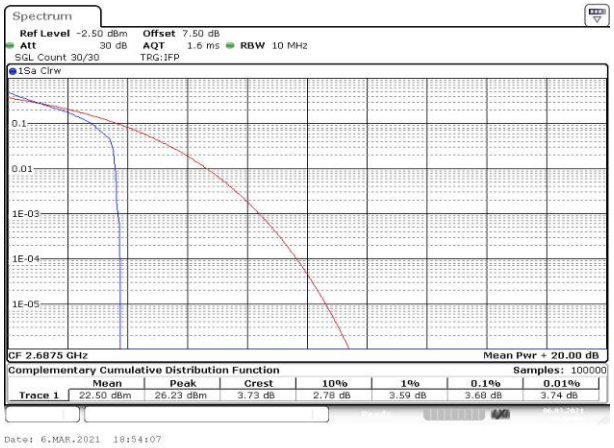

Fig.13

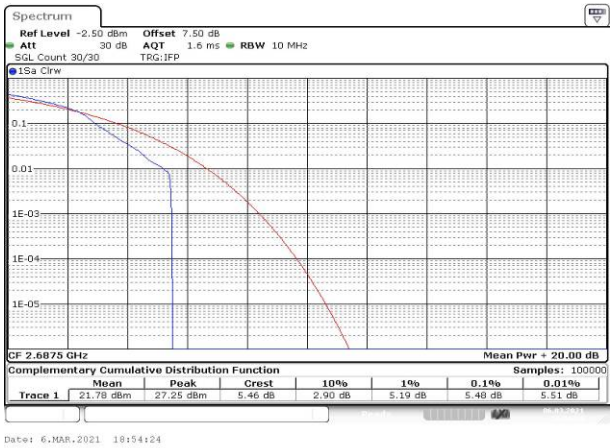

Fig.14

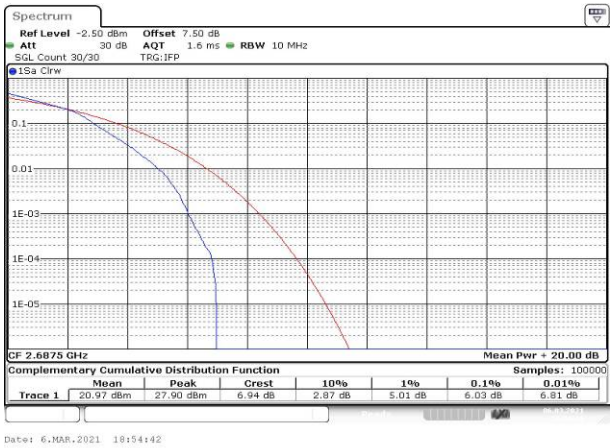

Fig.15

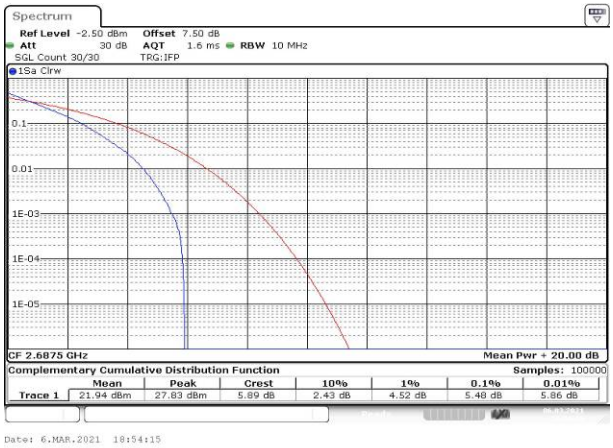

Fig.16

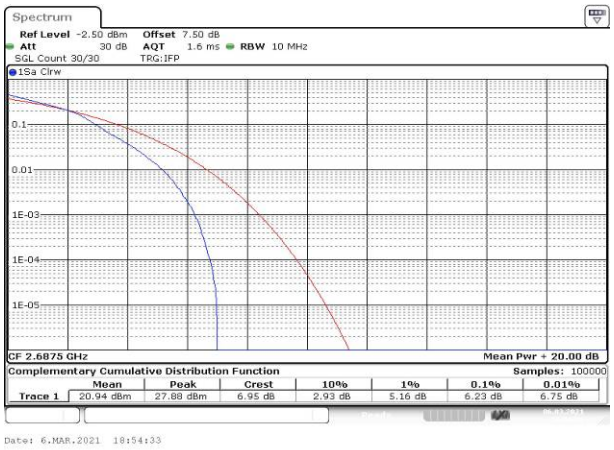

Fig.17

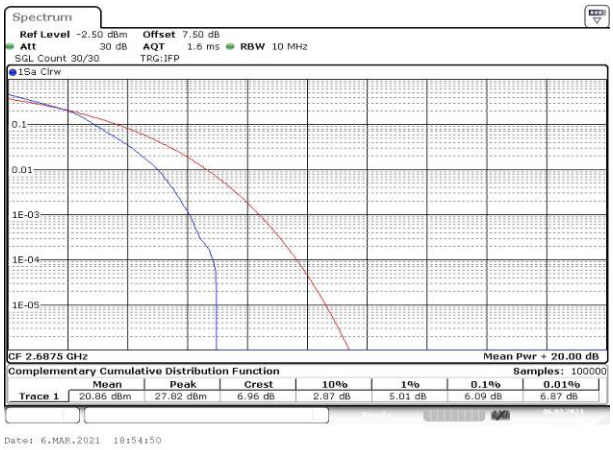

Fig.18