APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

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

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

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

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

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

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

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

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

2 Occupied Bandwidth

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

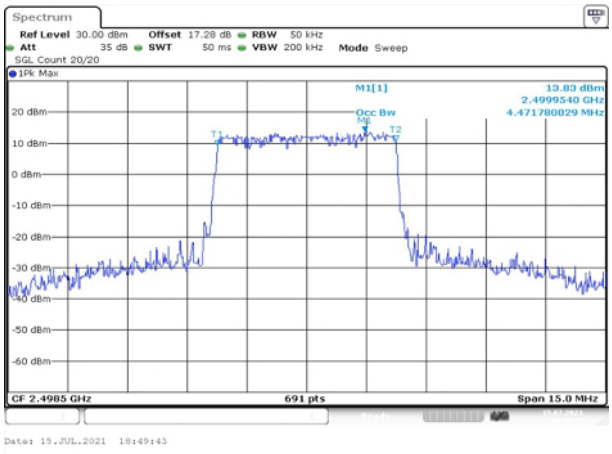


Fig.1

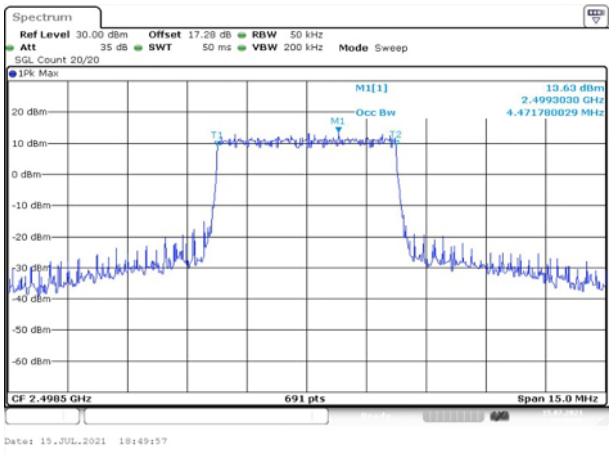


Fig.2

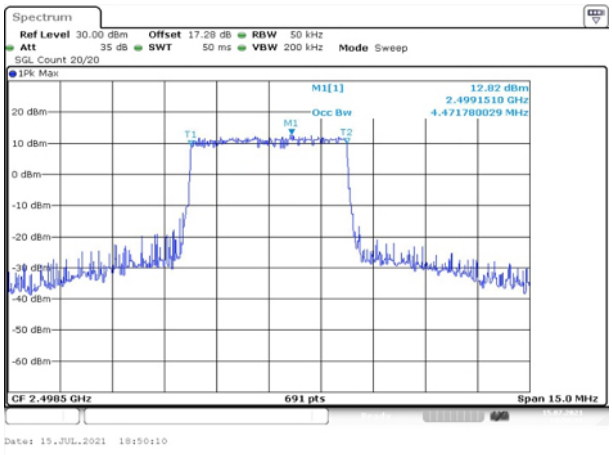


Fig.3

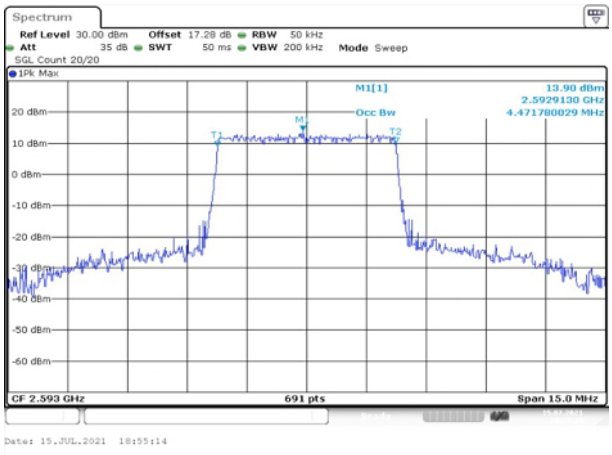


Fig.4

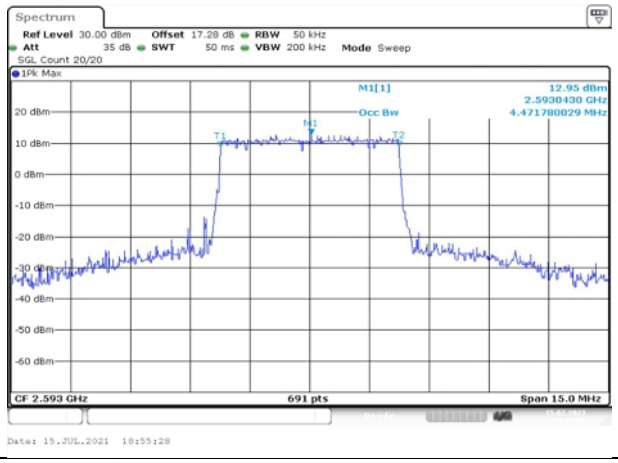


Fig.5

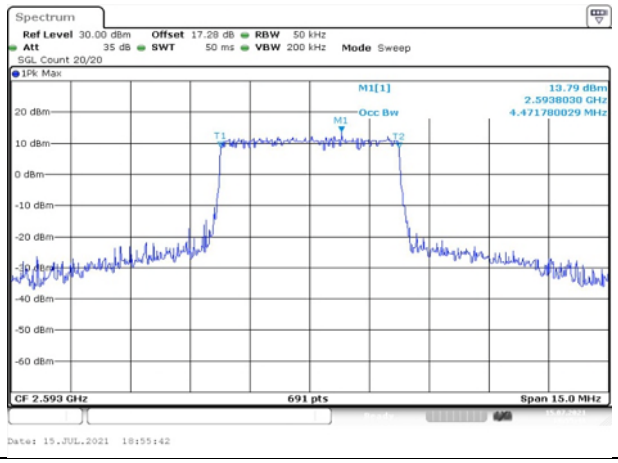


Fig.6

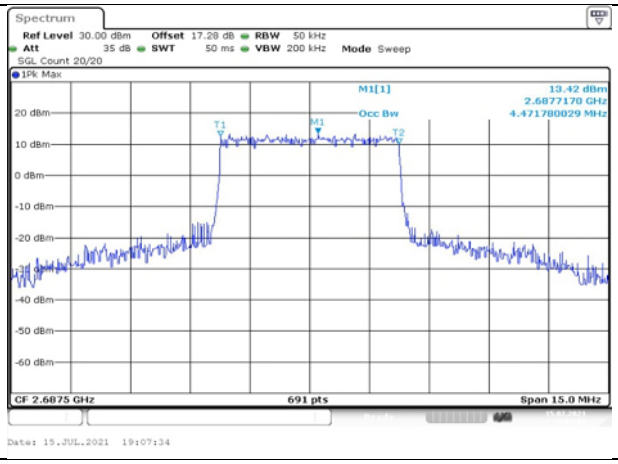


Fig.7

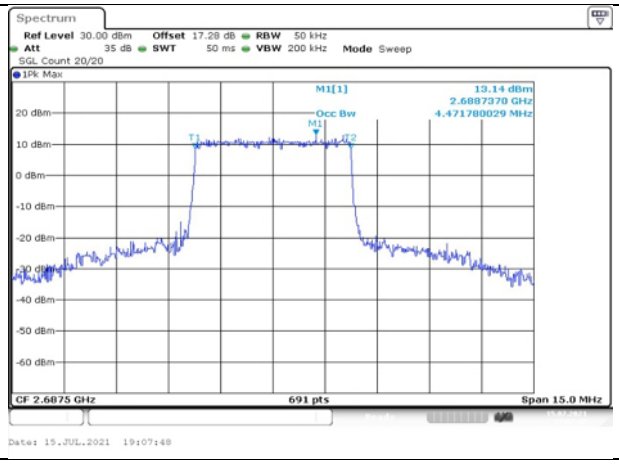


Fig.8

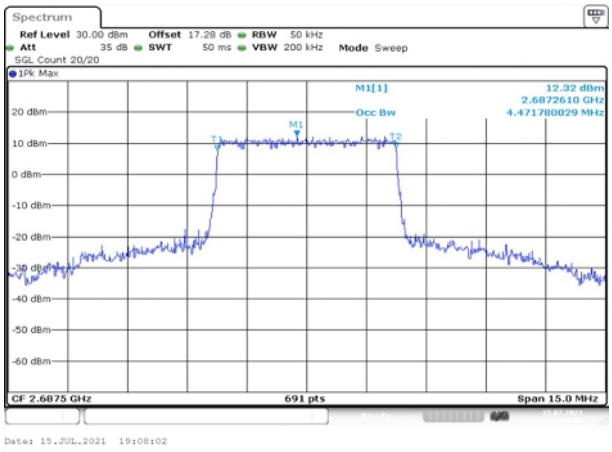


Fig.9

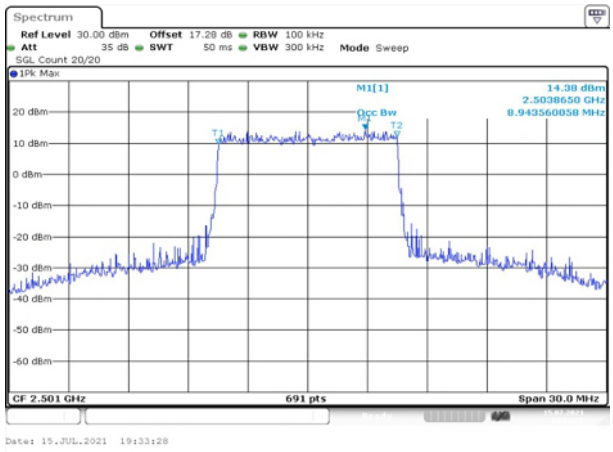


Fig.10

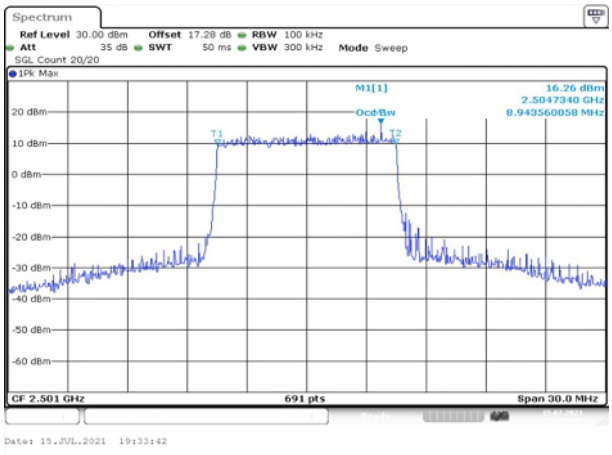


Fig.11

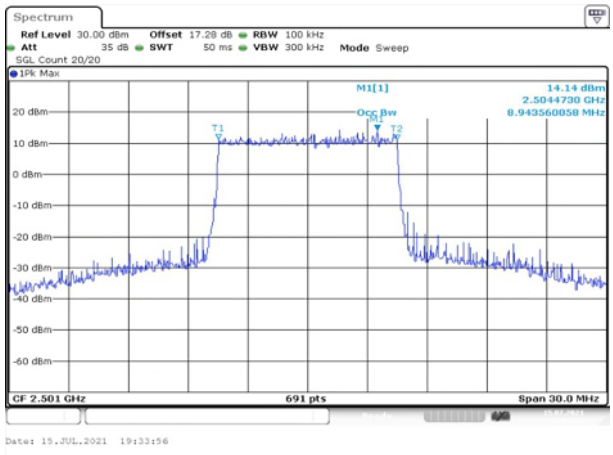


Fig.12

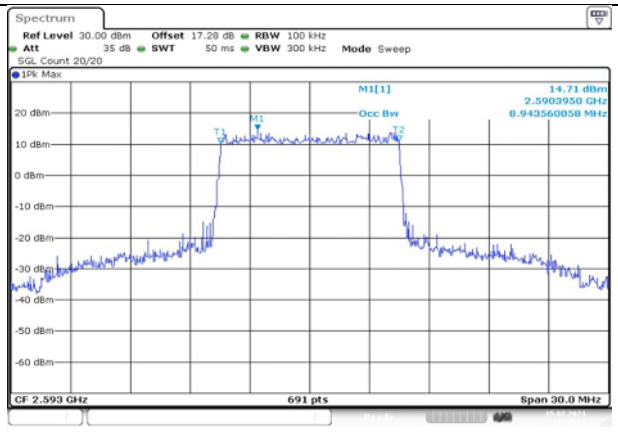


Fig.13

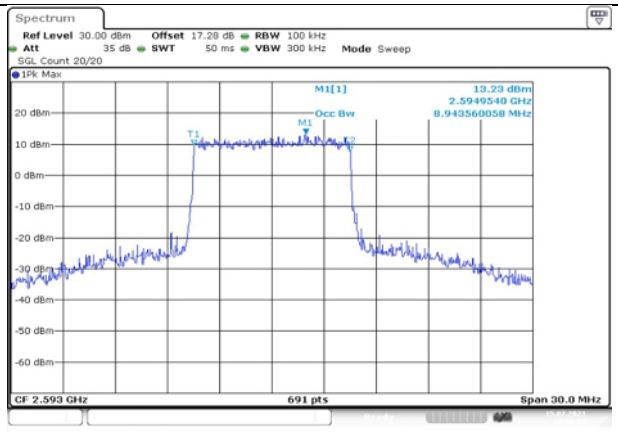
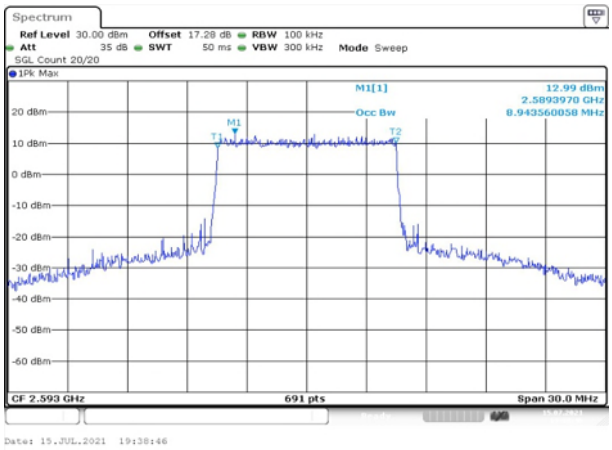


Fig.14



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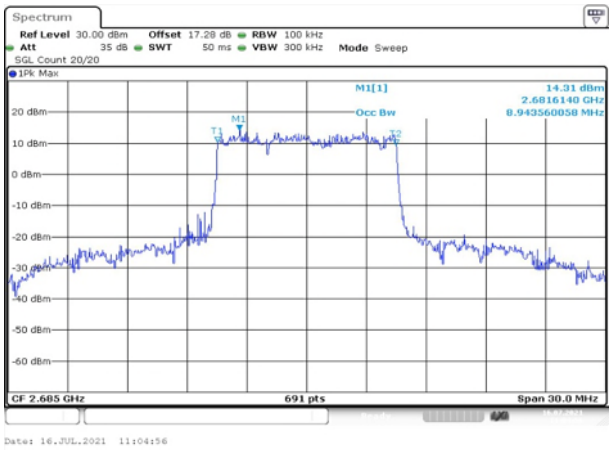


Fig.16

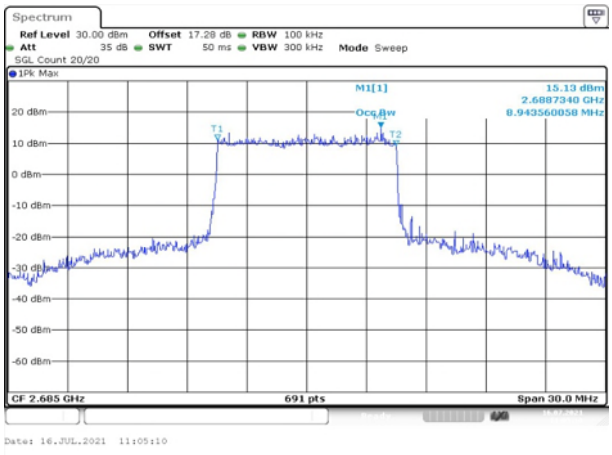


Fig.17

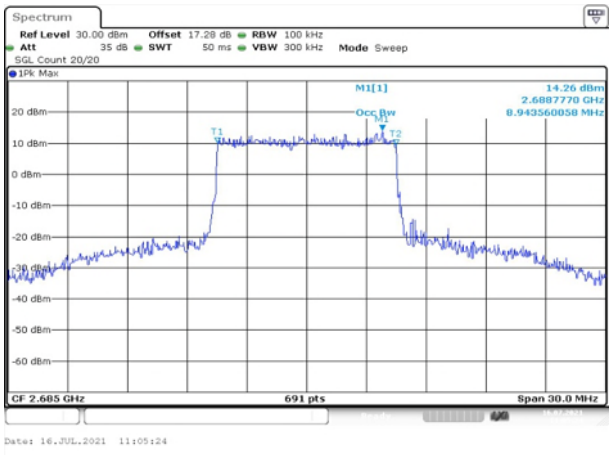


Fig.18

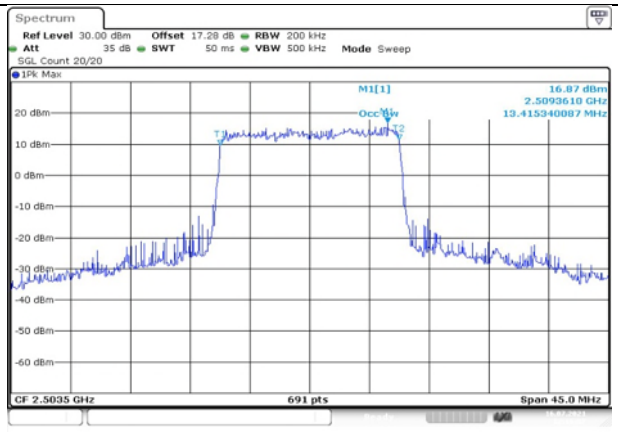
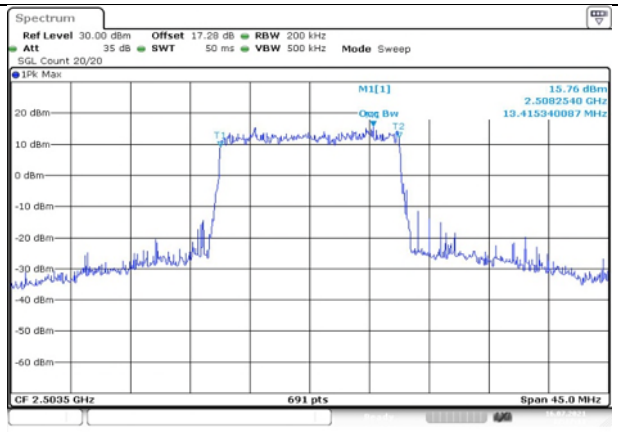


Fig.19



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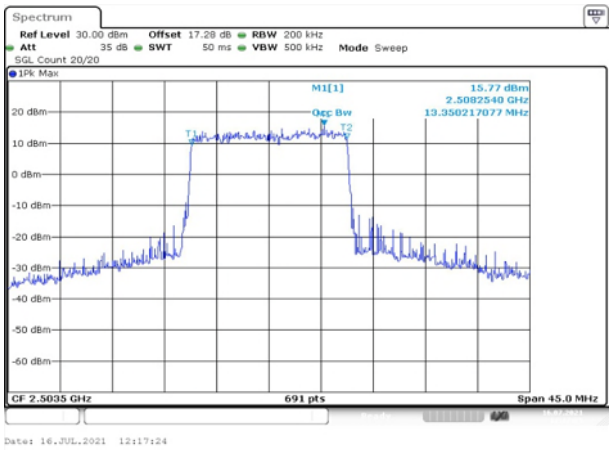

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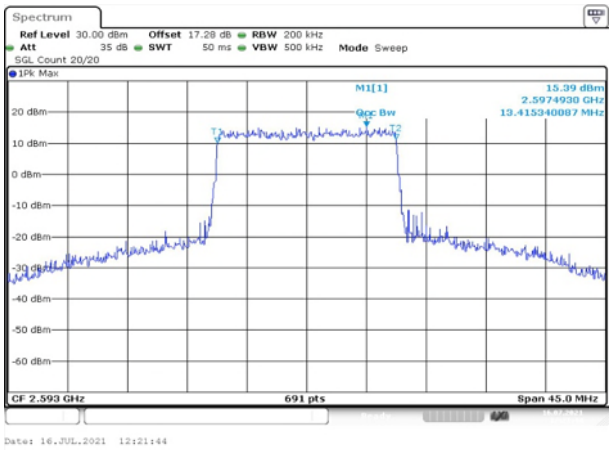
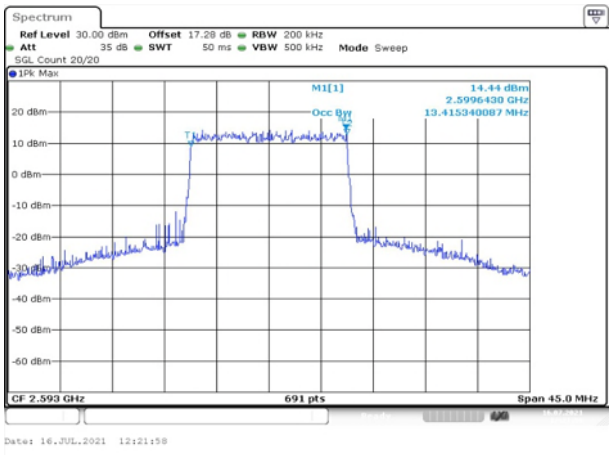


Fig.22



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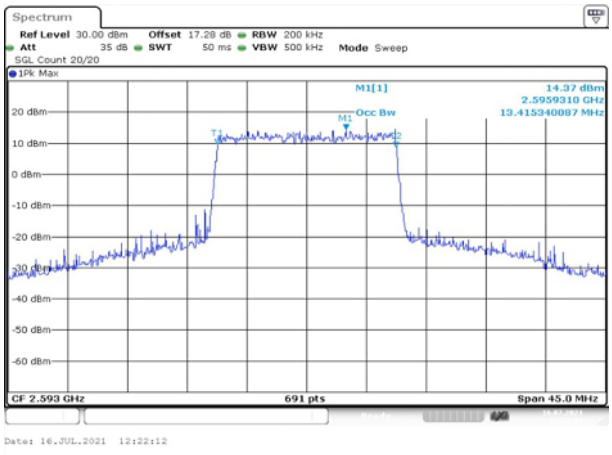

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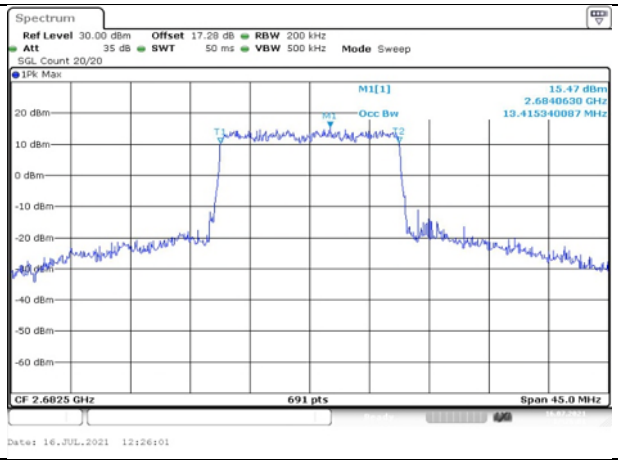

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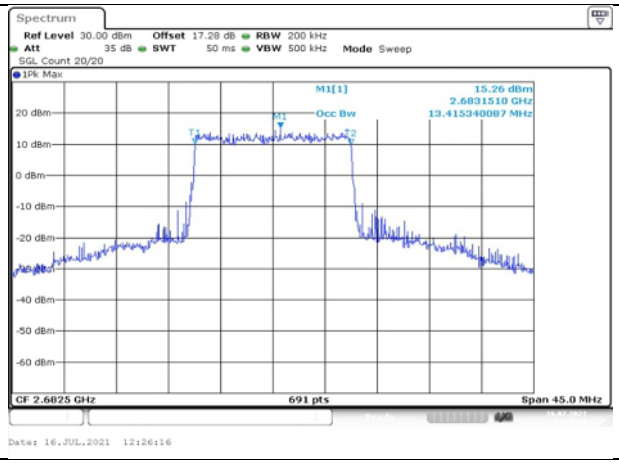
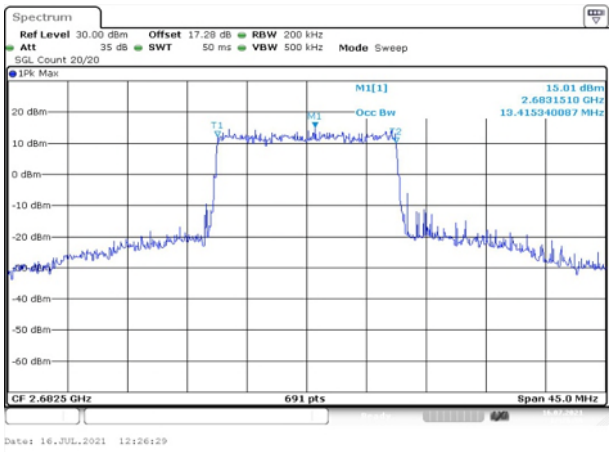


Fig.26



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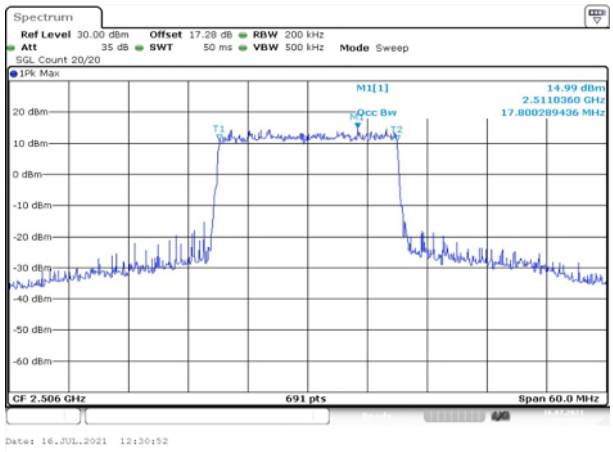


Fig.28

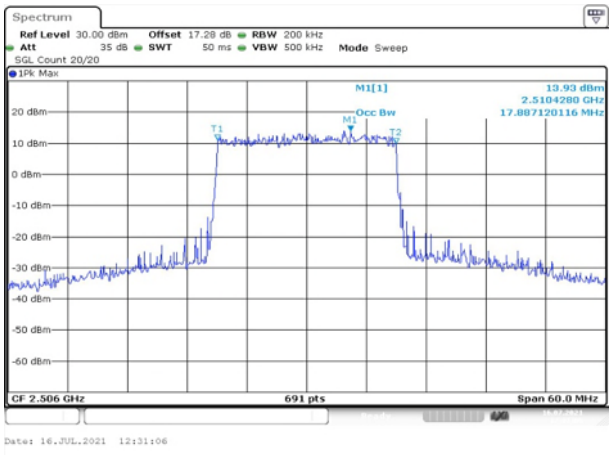
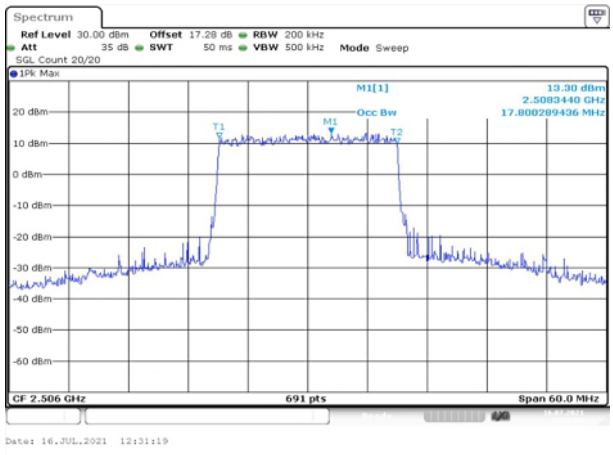


Fig.29



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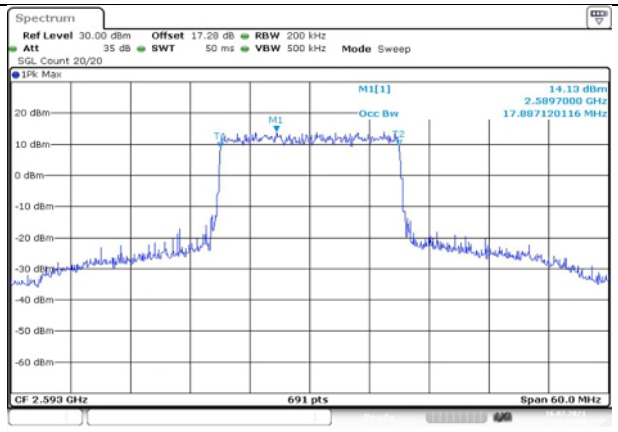

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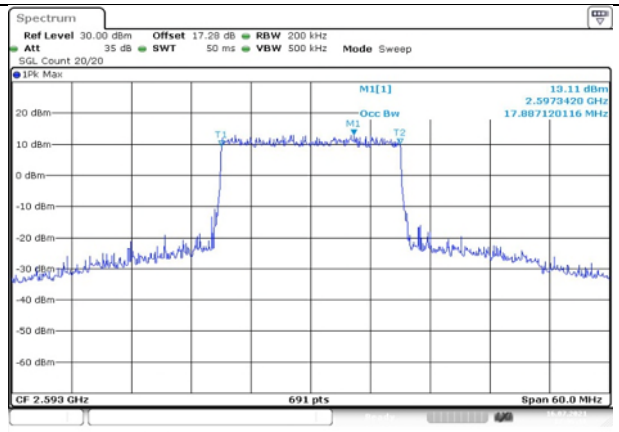

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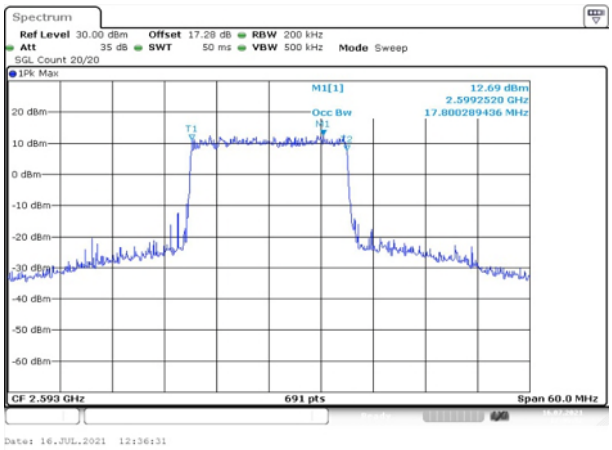

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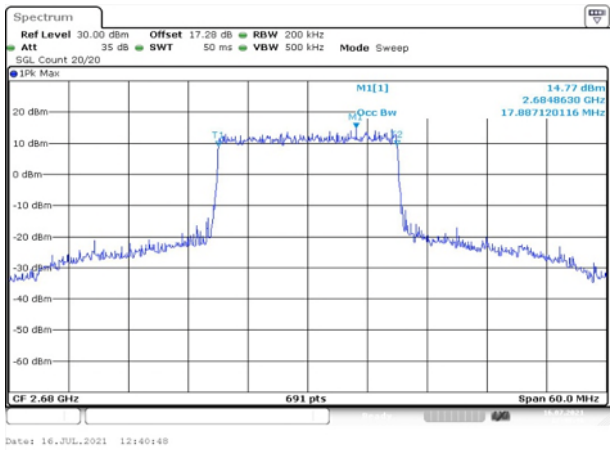

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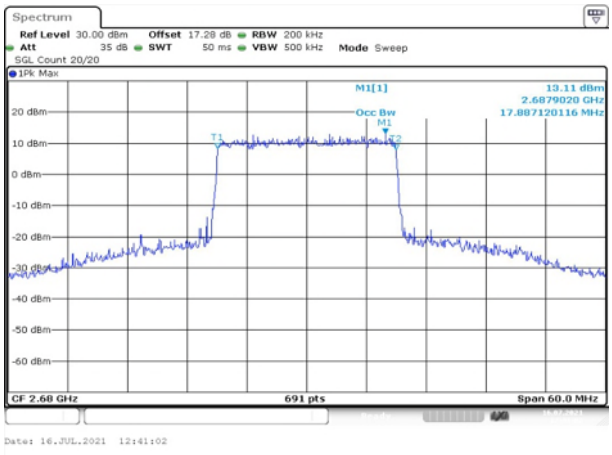

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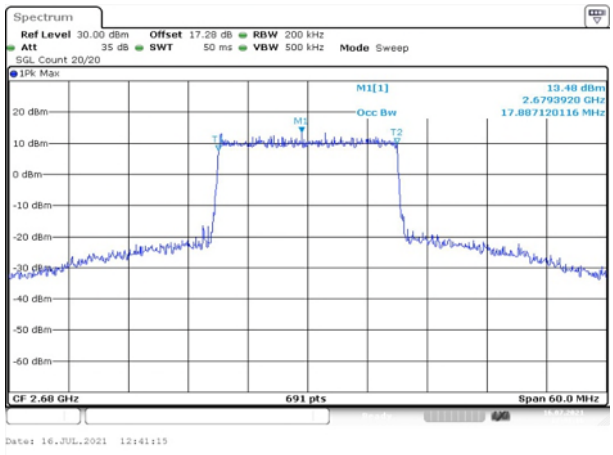


Fig.36

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

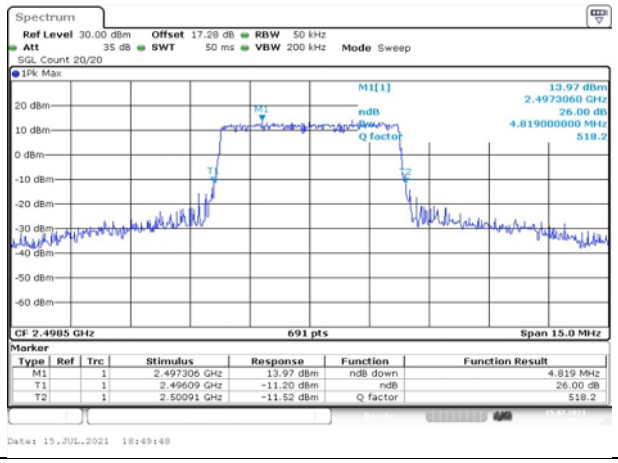
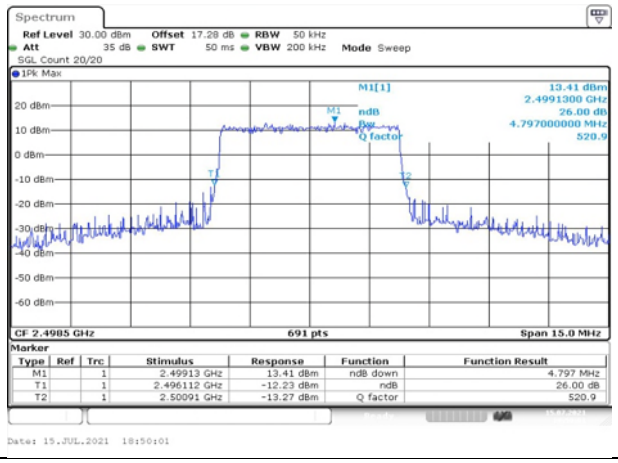


Fig.1



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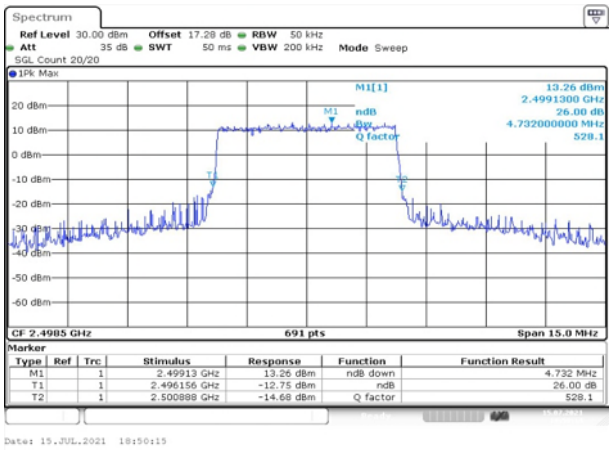

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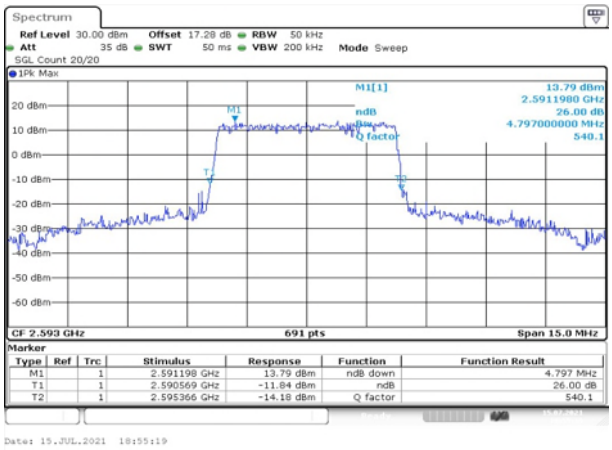

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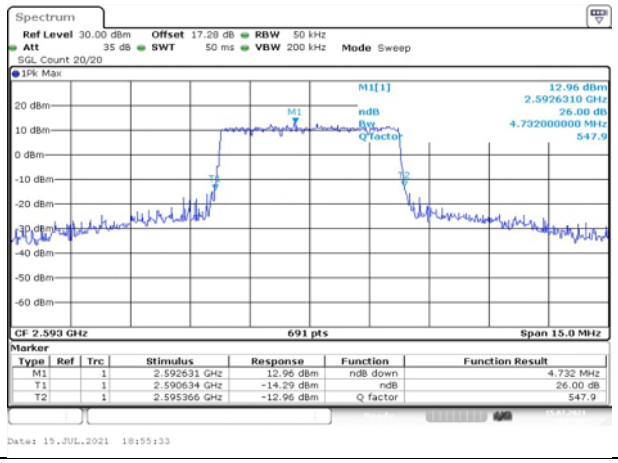
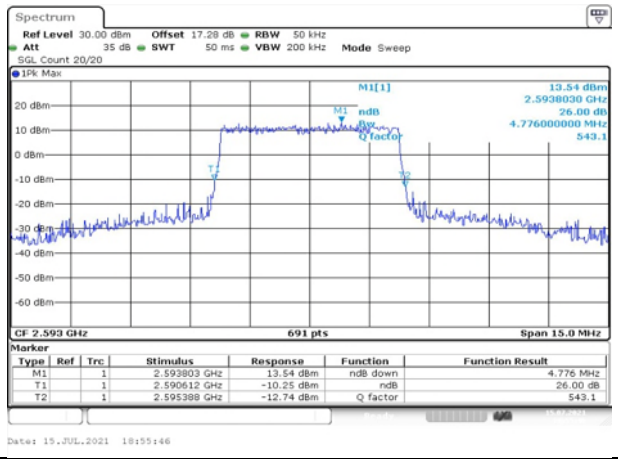


Fig.5



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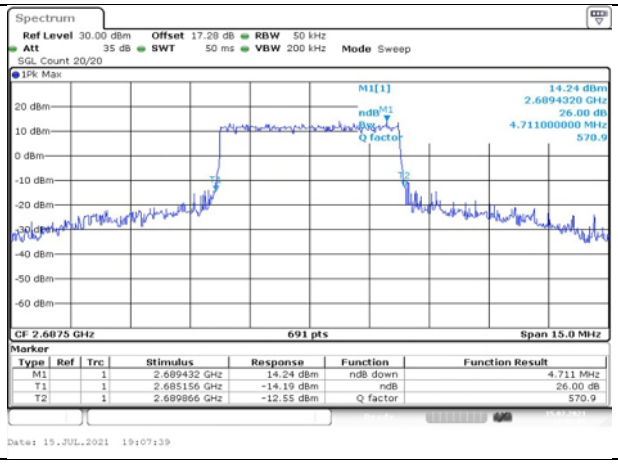
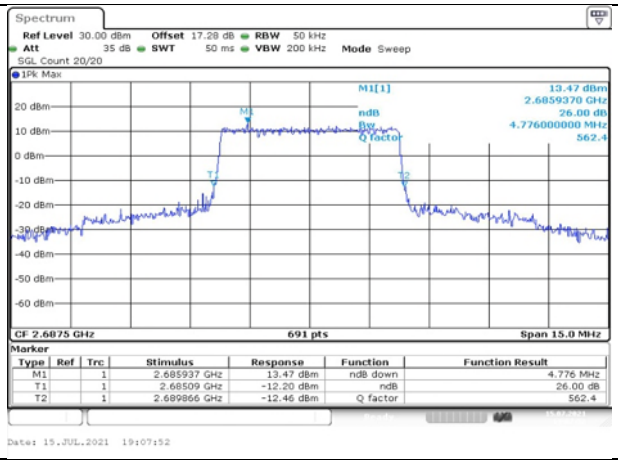


Fig.7



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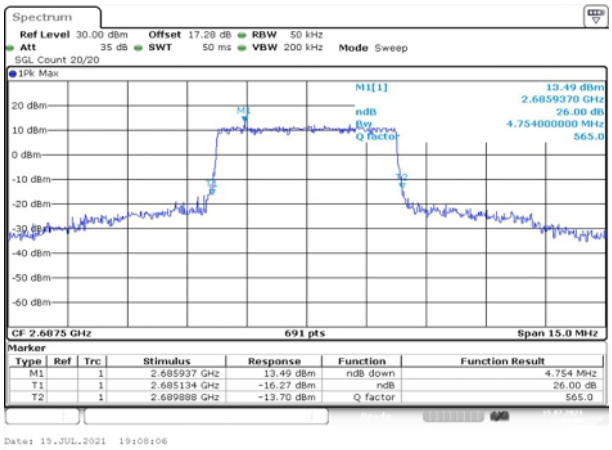


Fig.9

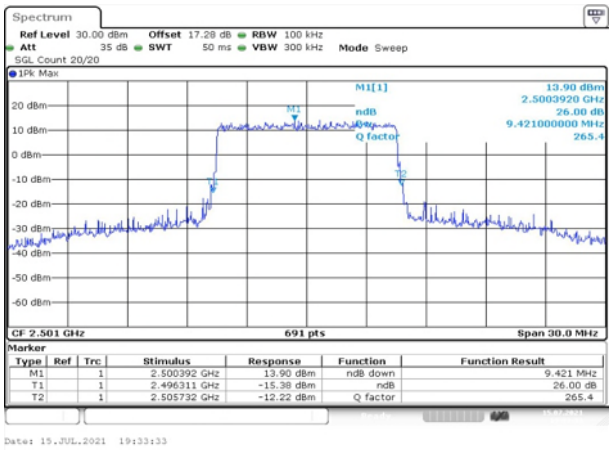


Fig.10

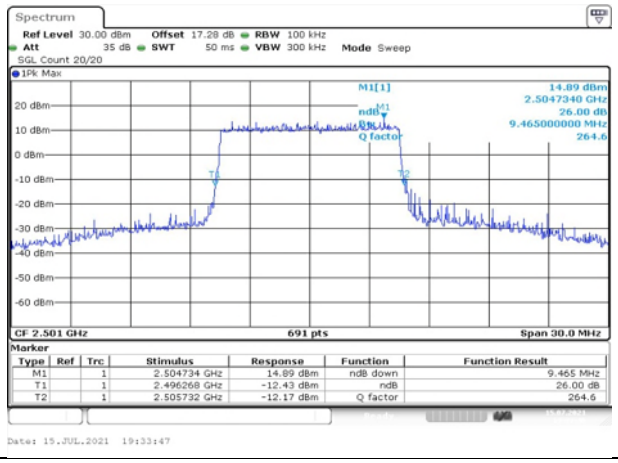


Fig.11

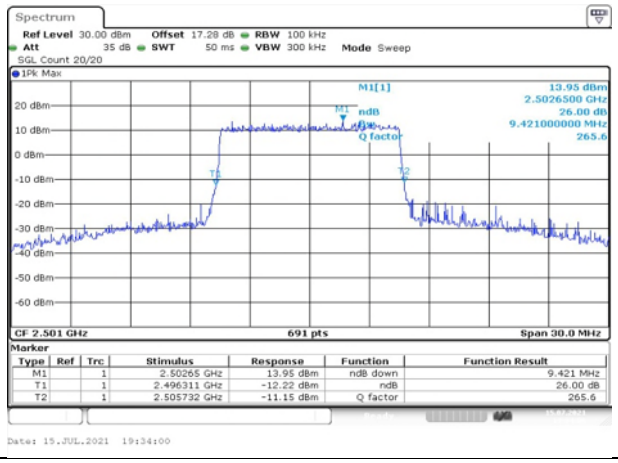
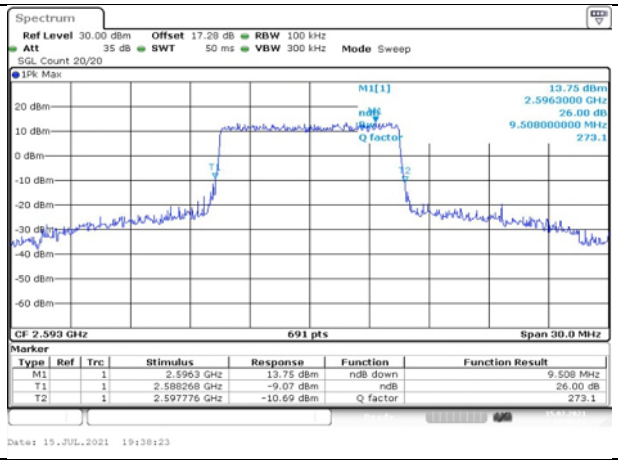


Fig.12



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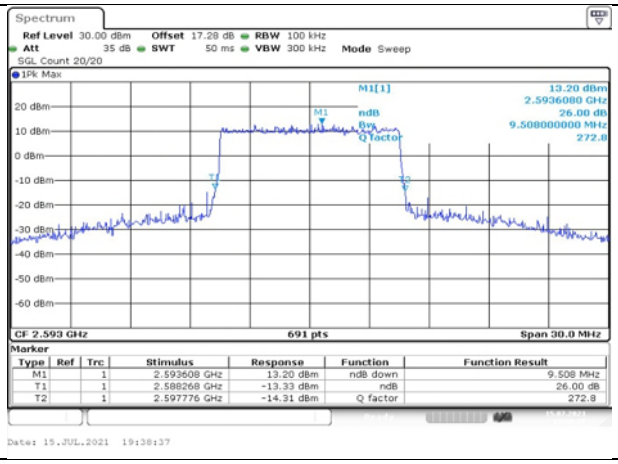

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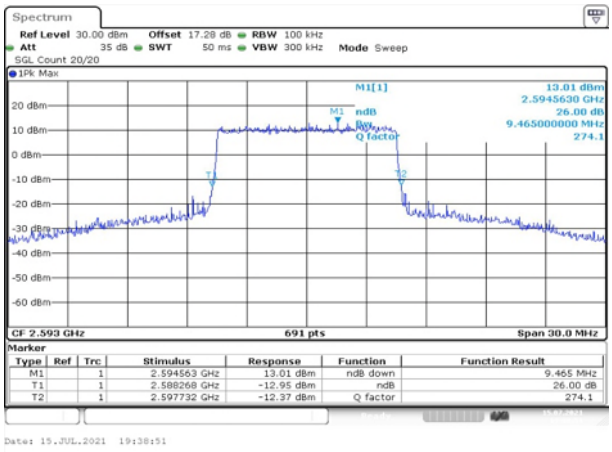

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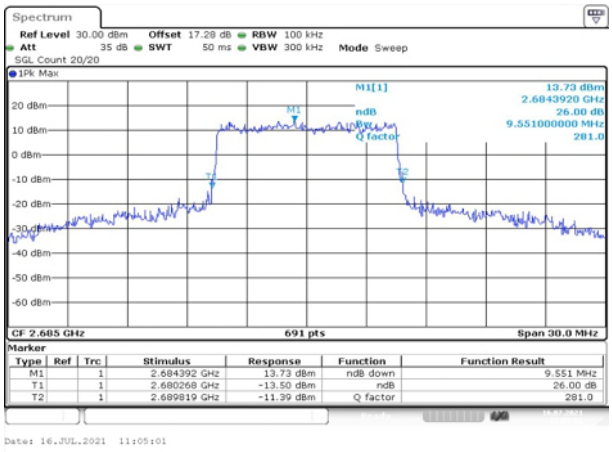


Fig.16

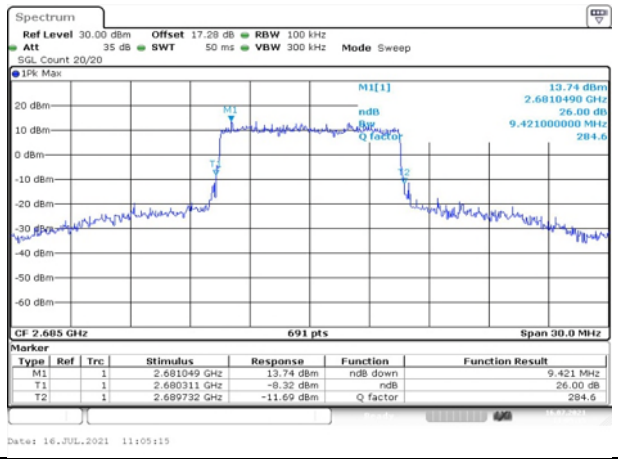
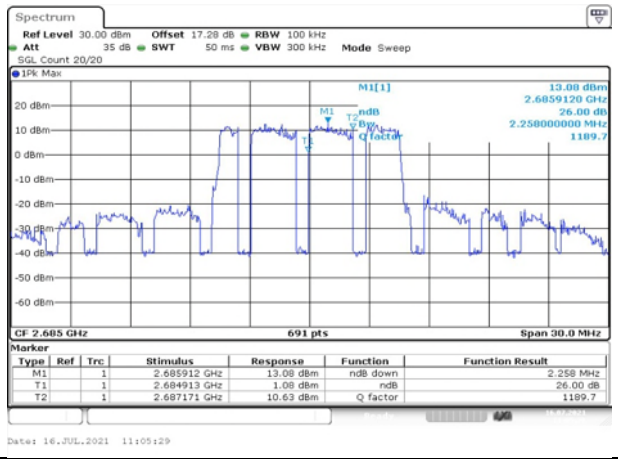


Fig.17



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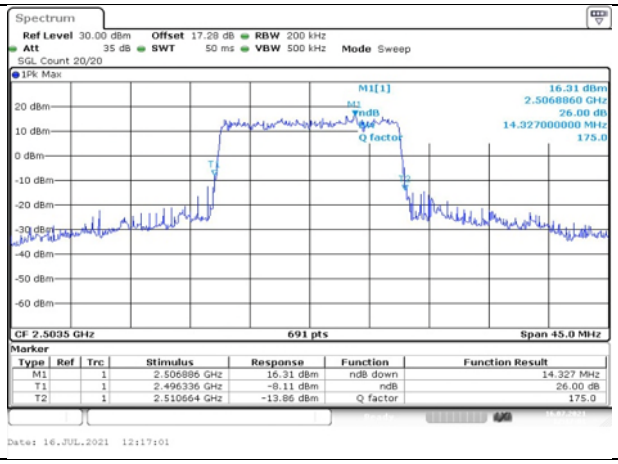

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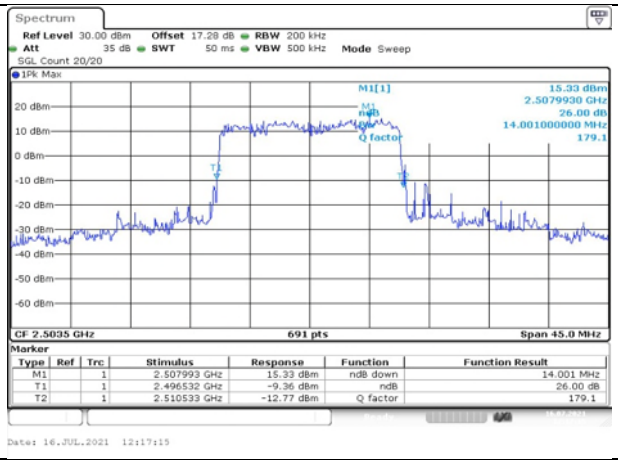
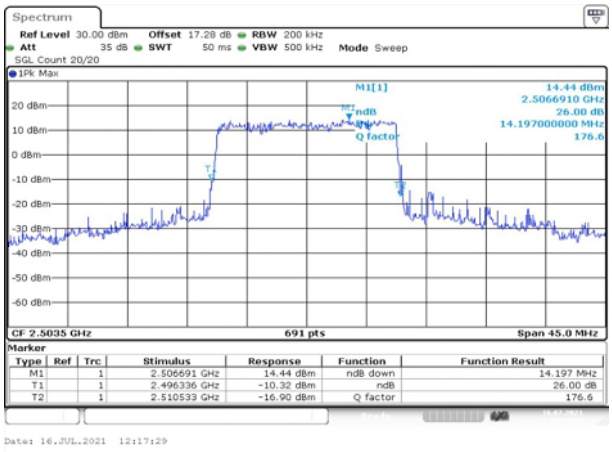


Fig.20



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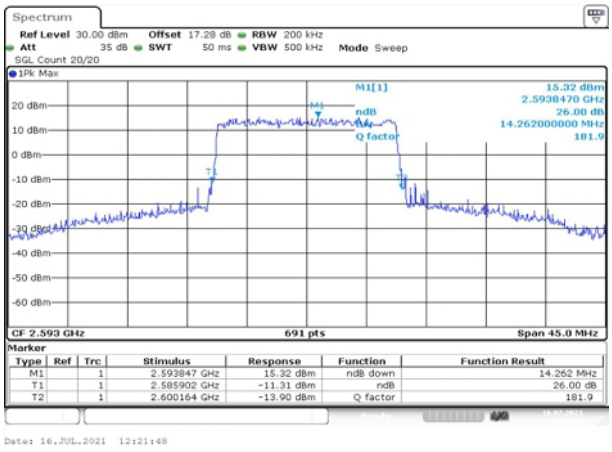

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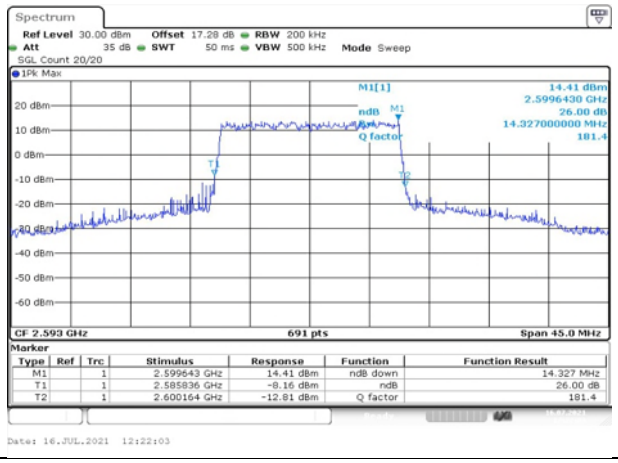

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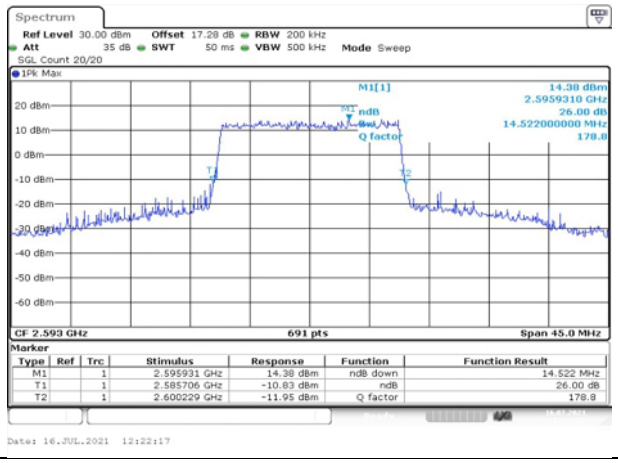

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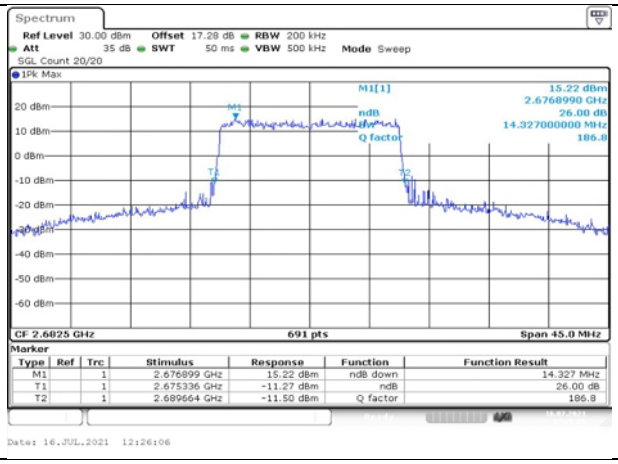


Fig.25

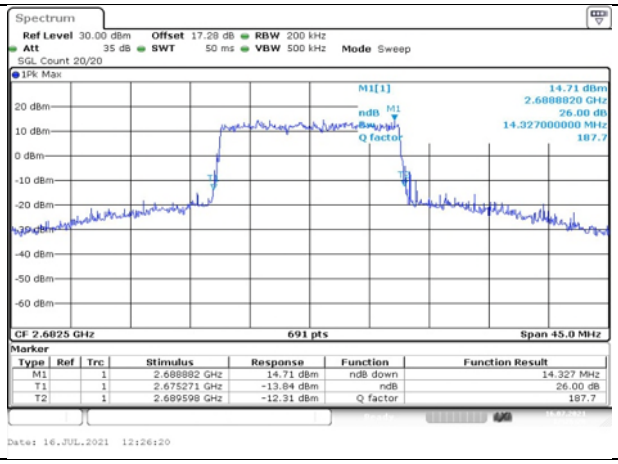


Fig.26

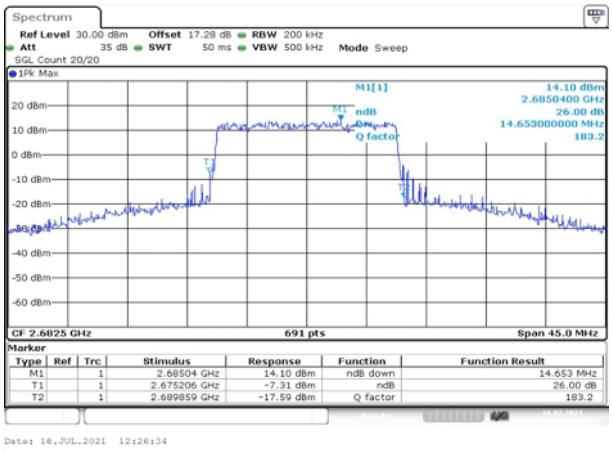


Fig.27

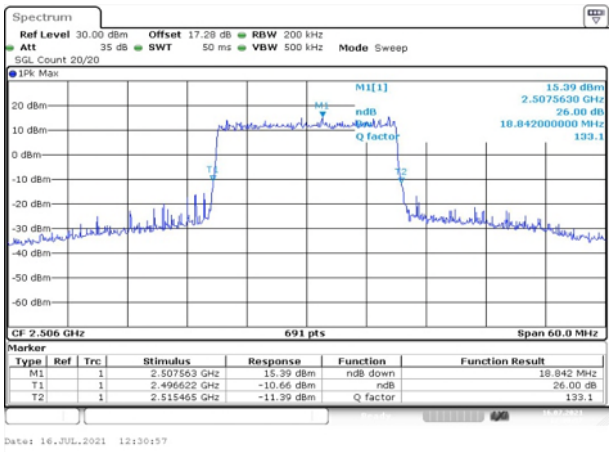


Fig.28

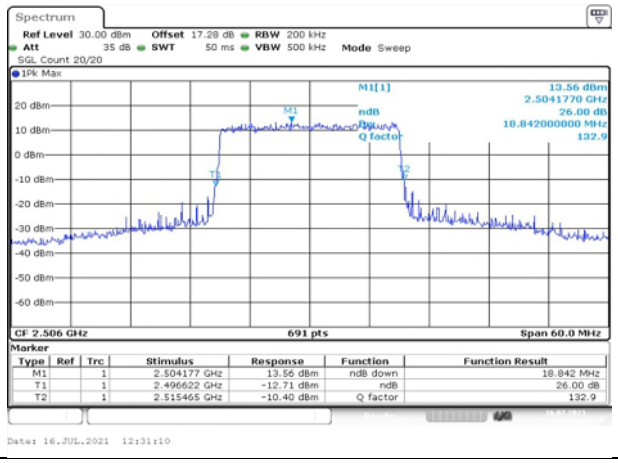
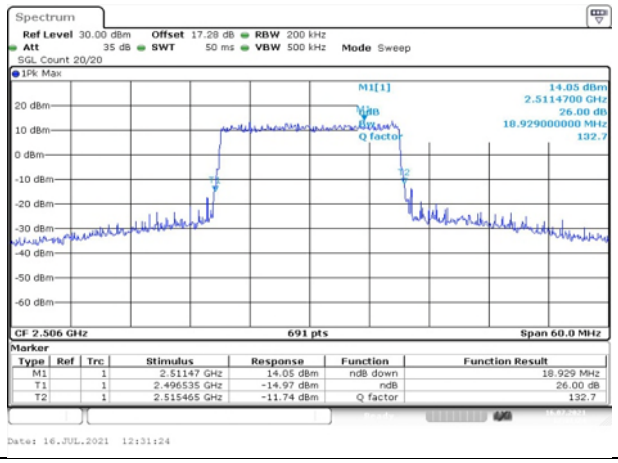


Fig.29



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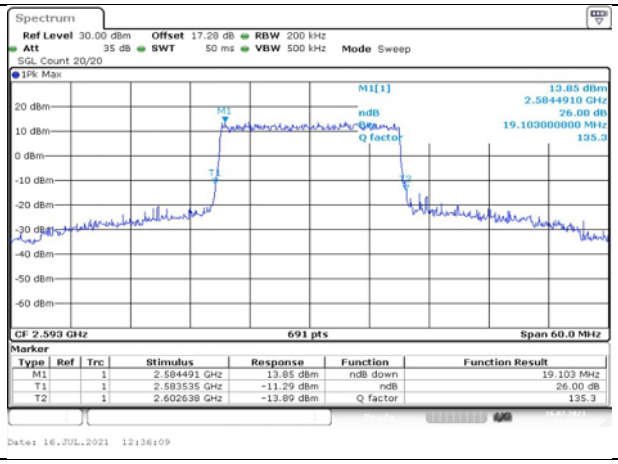

Fig.31

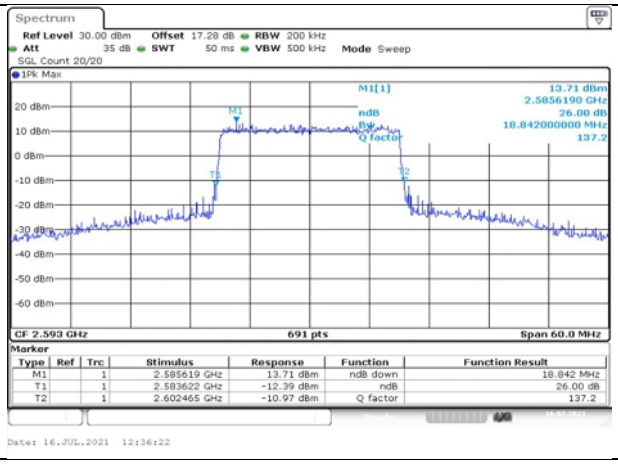

Fig.32

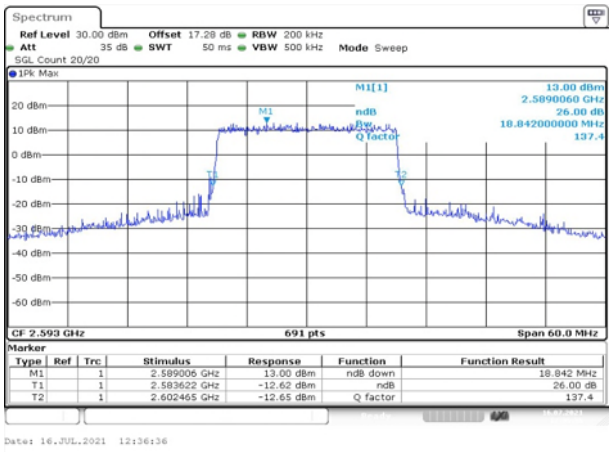

Fig.33

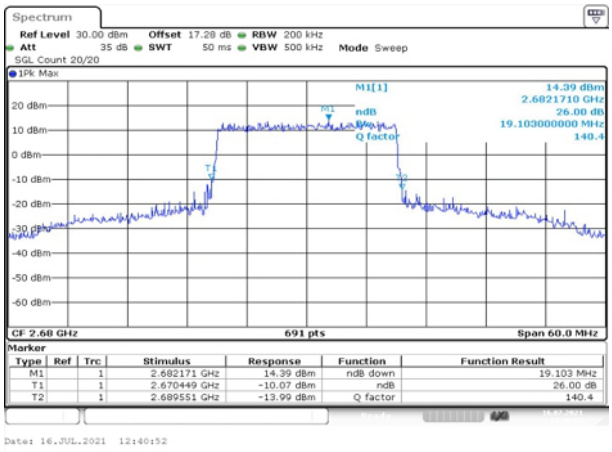

Fig.34

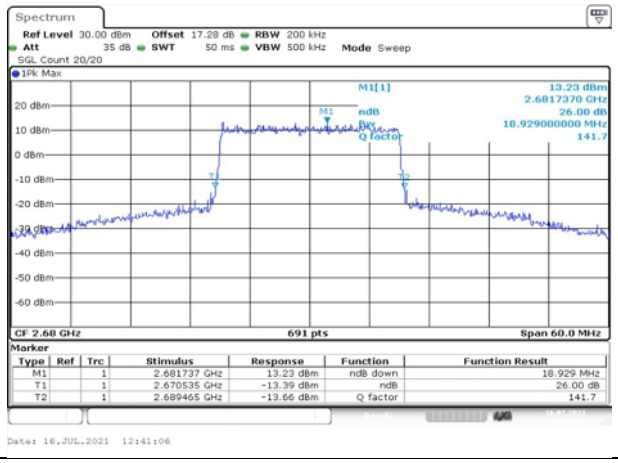

Fig.35

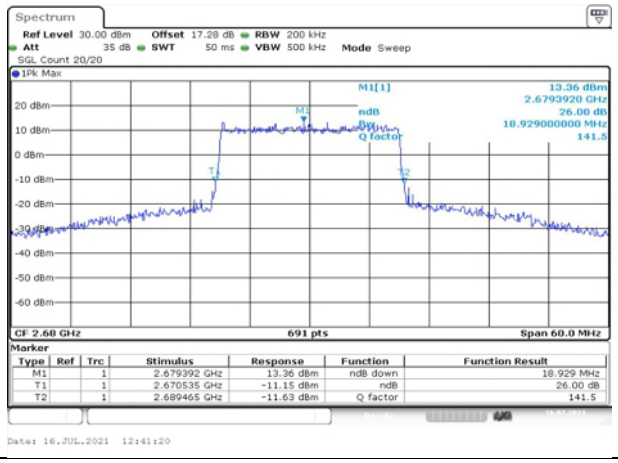

Fig.36

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

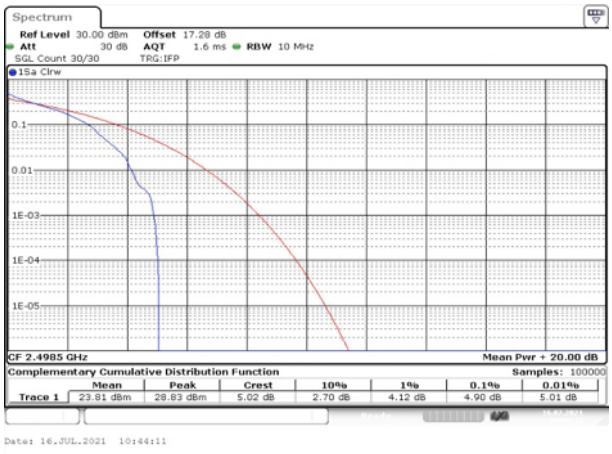

Fig.1

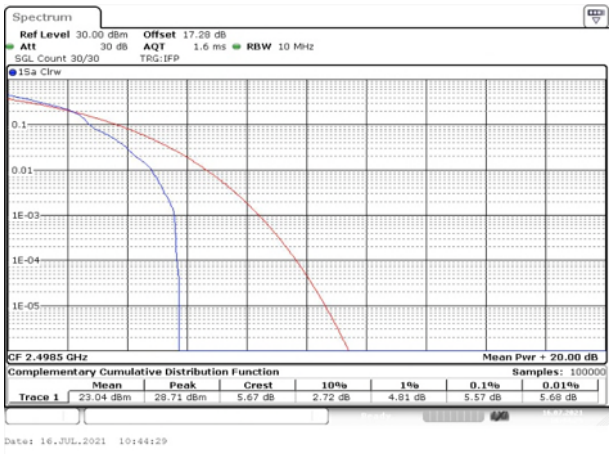

Fig.2

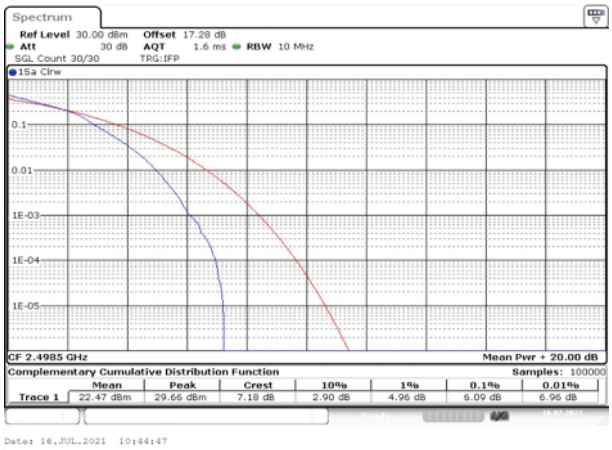

Fig.3

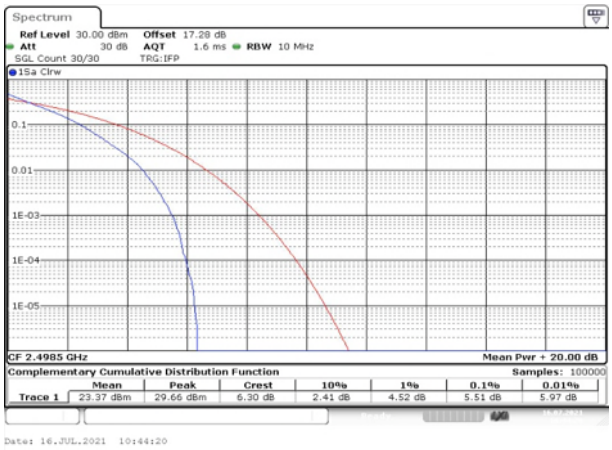

Fig.4

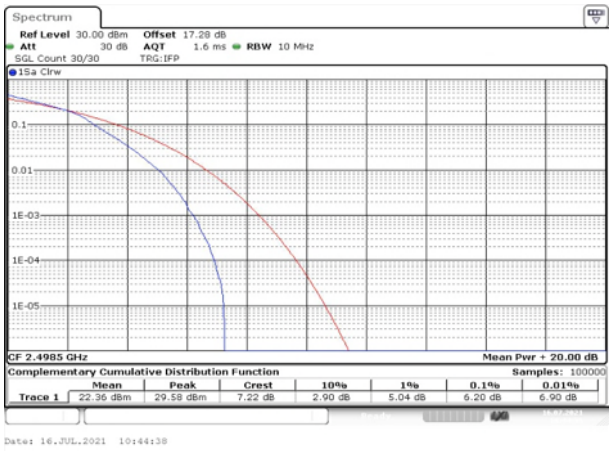

Fig.5

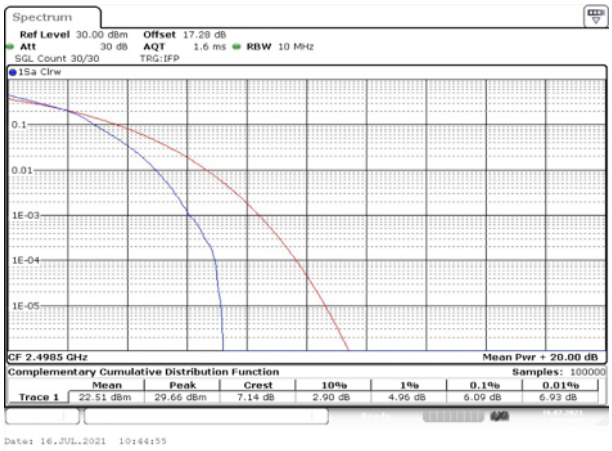

Fig.6