APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 71

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	665.5	133147	5	1	0	23.69
				1	12	23.60
				1	24	23.61
				12	0	22.67
				12	7	22.73
				12	13	22.78
				25	0	22.70
	680.5	133297		1	0	23.57
				1	12	23.08
				1	24	23.05
				12	0	22.21
				12	7	22.28
				12	13	22.22
				25	0	22.27
	695.5	133447		1	0	23.03
				1	12	23.12
				1	24	23.14
				12	0	22.26
				12	7	22.21
				12	13	22.25
				25	0	22.33
16QAM	665.5	133147		1	0	22.77
				1	12	22.71
				1	24	22.71
				12	0	21.52
				12	7	21.67
				12	13	21.72
				25	0	21.76
	680.5	133297		1	0	22.23
				1	12	22.23
				1	24	22.18
				12	0	21.18
				12	7	21.20
				12	13	21.23
				25	0	21.28
	695.5	133447		1	0	22.23
				1	12	22.25
				1	24	22.25
				12	0	21.20
				12	7	21.20
				12	13	21.19
				25	0	21.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	665.5	133147	5	1	0	21.79
				1	12	21.79
				1	24	21.76
				12	0	21.79
				12	7	21.83
				12	13	21.78
				25	0	21.60
	680.5	133297		1	0	21.28
				1	12	21.30
				1	24	21.25
				12	0	21.33
				12	7	21.28
				12	13	21.29
				25	0	21.33
	695.5	133447		1	0	21.26
				1	12	21.24
				1	24	21.30
				12	0	21.30
				12	7	21.29
				12	13	21.31
				25	0	21.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	668	133172	10	1	0	23.21
				1	25	23.17
				1	49	23.18
				25	0	22.19
				25	12	22.21
				25	25	22.24
				50	0	22.24
	680.5	133297		1	0	23.21
				1	25	23.17
				1	49	23.22
				25	0	22.24
				25	12	22.31
				25	25	22.29
				50	0	22.23
	693	133422		1	0	23.24
				1	25	23.20
				1	49	23.19
				25	0	22.35
				25	12	22.22
				25	25	22.14
				50	0	22.33
16QAM	668	133172		1	0	22.31
				1	25	22.34
				1	49	22.26
				25	0	21.25
				25	12	21.35
				25	25	21.36
				50	0	21.25
	680.5	133297		1	0	22.37
				1	25	22.30
				1	49	22.28
				25	0	21.30
				25	12	21.34
				25	25	21.34
				50	0	21.30
	693	133422		1	0	22.27
				1	25	22.32
				1	49	22.31
				25	0	21.42
				25	12	21.25
				25	25	21.22
				50	0	21.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	668	133172	10	1	0	21.24
				1	25	21.27
				1	49	21.21
				25	0	21.24
				25	12	21.23
				25	25	21.23
				50	0	21.22
	680.5	133297		1	0	21.29
				1	25	21.29
				1	49	21.29
				25	0	21.29
				25	12	21.29
				25	25	21.29
				50	0	21.30
	693	133422		1	0	21.22
				1	25	21.27
				1	49	21.33
				25	0	21.25
				25	12	21.28
				25	25	21.30
				50	0	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	670.5	133197	15	1	0	23.12
				1	37	23.19
				1	74	23.09
				36	0	22.27
				36	29	22.40
				36	30	22.38
				75	0	22.26
	680.5	133297		1	0	23.14
				1	37	23.06
				1	74	23.15
				36	0	22.28
				36	29	22.26
				36	30	22.31
				75	0	22.29
	690.5	133397		1	0	23.13
				1	37	23.19
				1	74	23.16
				36	0	22.29
				36	29	22.32
				36	30	22.30
				75	0	22.32
16QAM	670.5	133197		1	0	22.66
				1	37	22.68
				1	74	22.68
				36	0	21.24
				36	29	21.27
				36	30	21.26
				75	0	21.23
	680.5	133297		1	0	22.62
				1	37	22.62
				1	74	22.66
				36	0	21.17
				36	29	21.23
				36	30	21.25
				75	0	21.19
	690.5	133397		1	0	22.58
				1	37	22.65
				1	74	22.64
				36	0	21.24
				36	29	21.15
				36	30	21.19
				75	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	670.5	133197	15	1	0	21.32
				1	37	21.24
				1	74	21.26
				36	0	21.19
				36	29	21.28
				36	30	21.26
				75	0	21.27
	680.5	133297		1	0	21.21
				1	37	21.19
				1	74	21.20
				36	0	21.19
				36	29	21.20
				36	30	21.24
				75	0	21.21
	690.5	133397		1	0	21.17
				1	37	21.25
				1	74	21.23
				36	0	21.18
				36	29	21.27
				36	30	21.26
				75	0	21.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	673	133222	20	1	0	22.92
				1	49	22.92
				1	99	22.91
				50	0	22.24
				50	24	22.37
				50	50	22.41
				100	0	22.34
	680.5	133297		1	0	22.96
				1	49	22.87
				1	99	22.92
				50	0	22.16
				50	24	22.24
				50	50	22.31
				100	0	22.21
	688	133372		1	0	22.89
				1	49	22.91
				1	99	22.93
				50	0	22.22
				50	24	22.23
				50	50	22.20
				100	0	22.23
16QAM	673	133222		1	0	22.56
				1	49	22.48
				1	99	22.52
				50	0	21.22
				50	24	21.36
				50	50	21.33
				100	0	21.32
	680.5	133297		1	0	22.56
				1	49	22.53
				1	99	22.47
				50	0	21.12
				50	24	21.23
				50	50	21.25
				100	0	21.24
	688	133372		1	0	22.58
				1	49	22.54
				1	99	22.51
				50	0	21.22
				50	24	21.16
				50	50	21.16
				100	0	21.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	673	133222	20	1	0	21.24
				1	49	21.31
				1	99	21.25
				50	0	21.30
				50	24	21.27
				50	50	21.25
				100	0	21.34
	680.5	133297		1	0	21.17
				1	49	21.16
				1	99	21.23
				50	0	21.17
				50	24	21.19
				50	50	21.20
				100	0	21.18
	688	133372		1	0	21.22
				1	49	21.22
				1	99	21.21
				50	0	21.20
				50	24	21.20
				50	50	21.20
				100	0	21.20

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
71	665.5	133147	5	25	0	4.472	Fig.1	4.493	Fig.2	4.493	Fig.3
	680.5	133297		25	0	4.472	Fig.4	4.493	Fig.5	4.472	Fig.6
	695.5	133447		25	0	4.472	Fig.7	4.493	Fig.8	4.472	Fig.9
	668	133172	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	680.5	133297		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	693	133422		50	0	8.944	Fig.16	8.987	Fig.17	8.944	Fig.18
	670.5	133197	15	75	0	13.415	Fig.19	13.480	Fig.20	13.415	Fig.21
	680.5	133297		75	0	13.480	Fig.22	13.415	Fig.23	13.480	Fig.24
	690.5	133397		75	0	13.480	Fig.25	13.480	Fig.26	13.415	Fig.27
	673	133222	20	100	0	17.887	Fig.28	17.800	Fig.29	17.974	Fig.30
	680.5	133297		100	0	17.887	Fig.31	17.974	Fig.32	17.887	Fig.33
	688	133372		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36

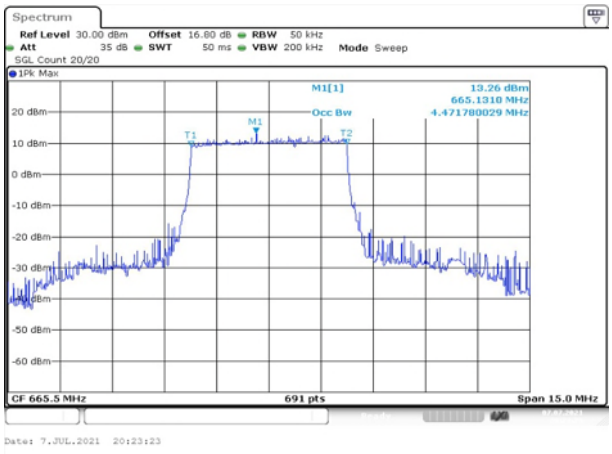


Fig.1

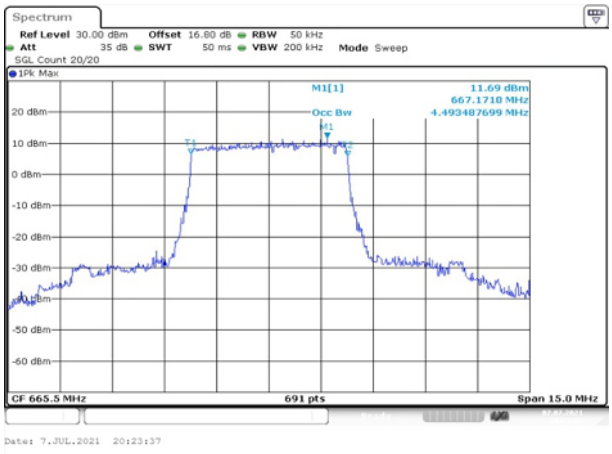


Fig.2

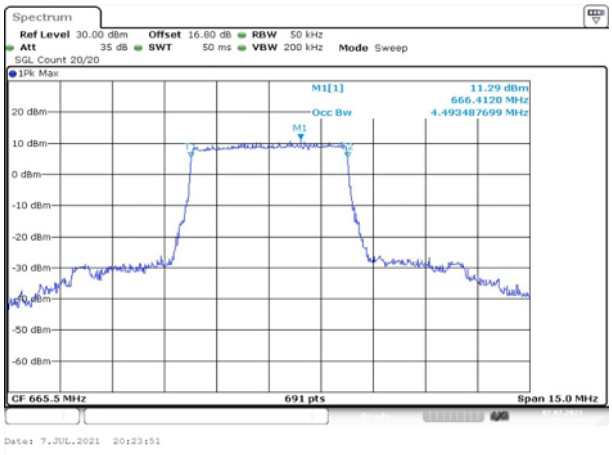


Fig.3

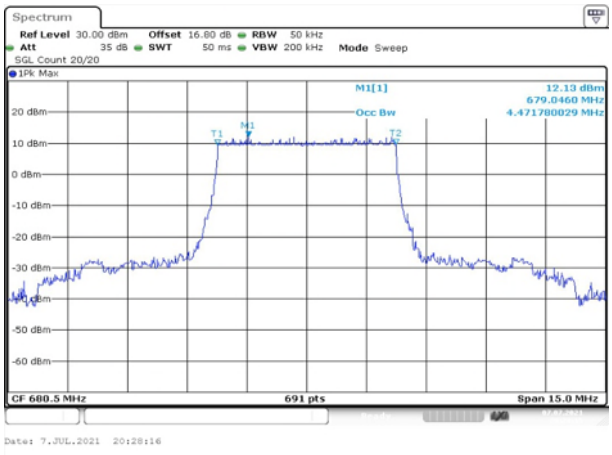


Fig.4

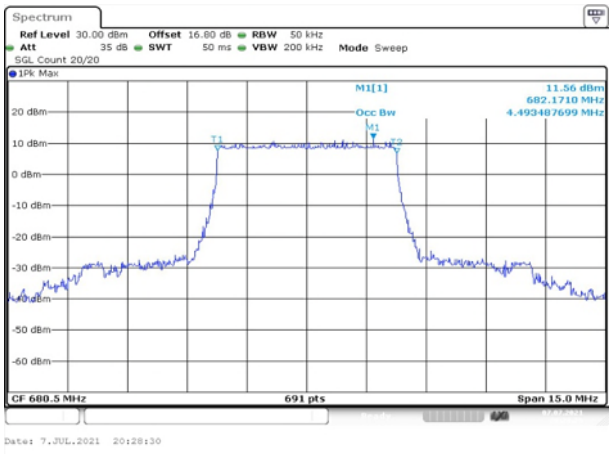


Fig.5

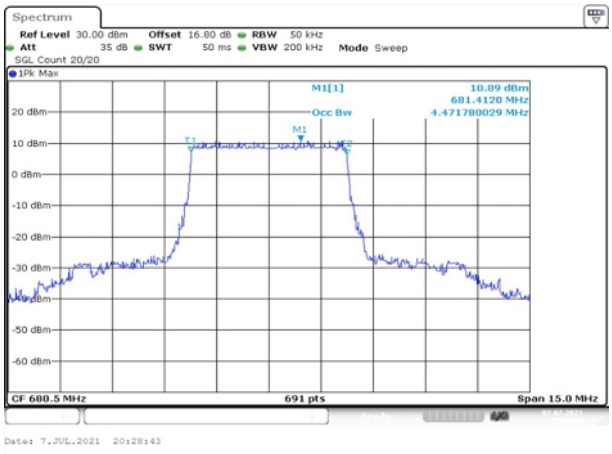


Fig.6

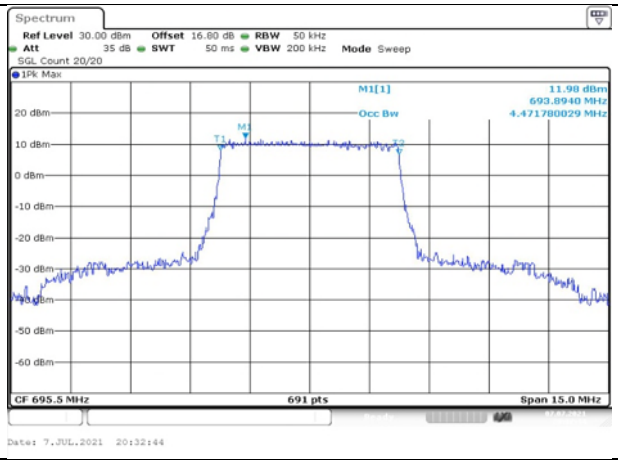


Fig.7

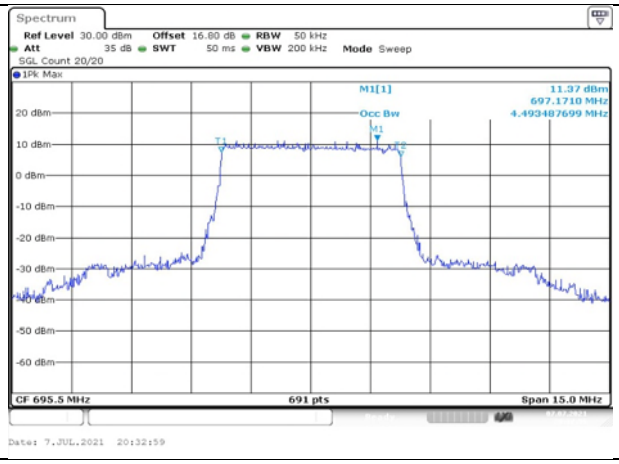


Fig.8

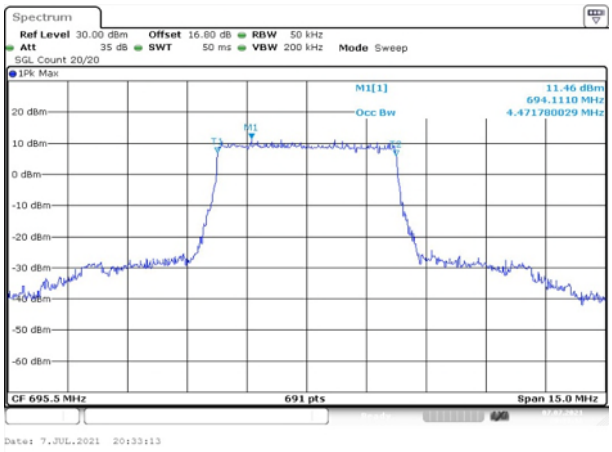


Fig.9

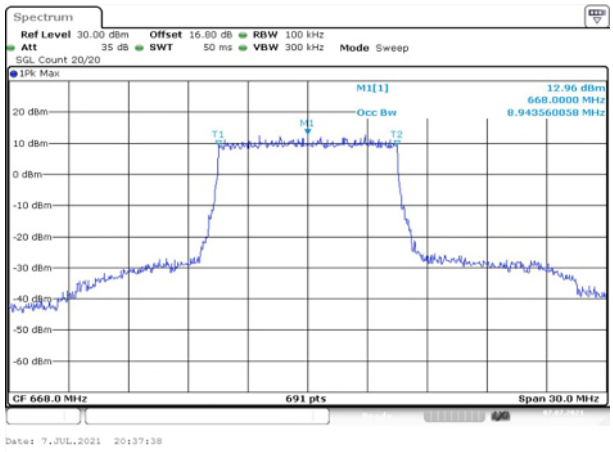


Fig.10

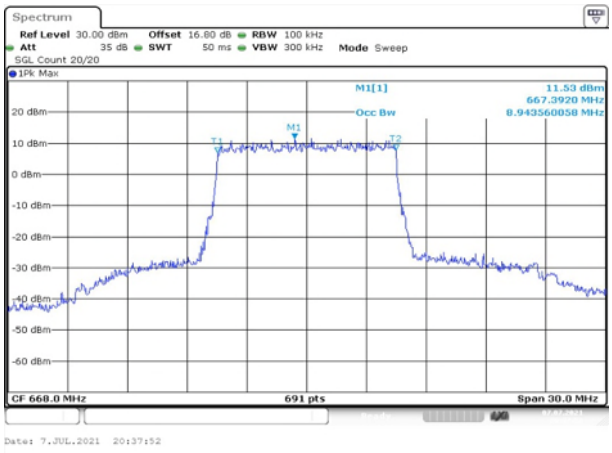


Fig.11

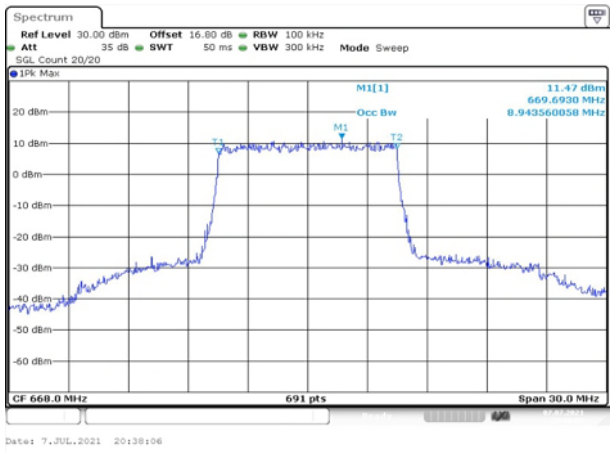


Fig.12

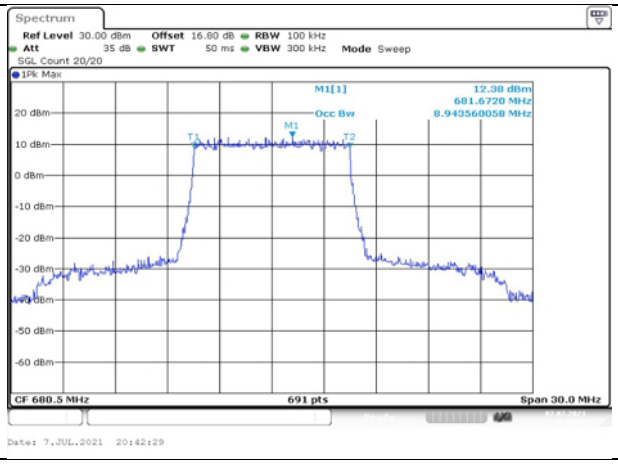


Fig.13

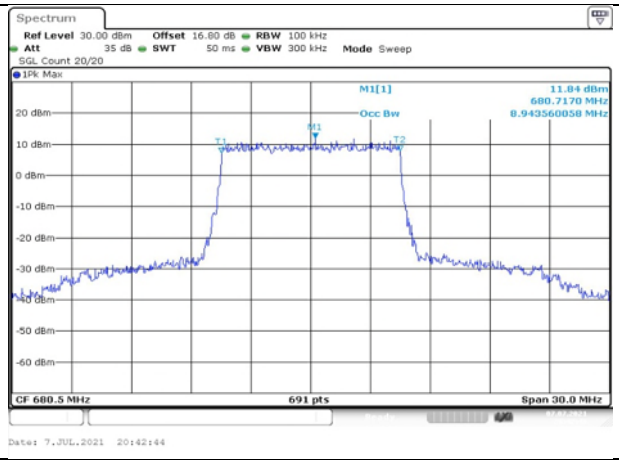
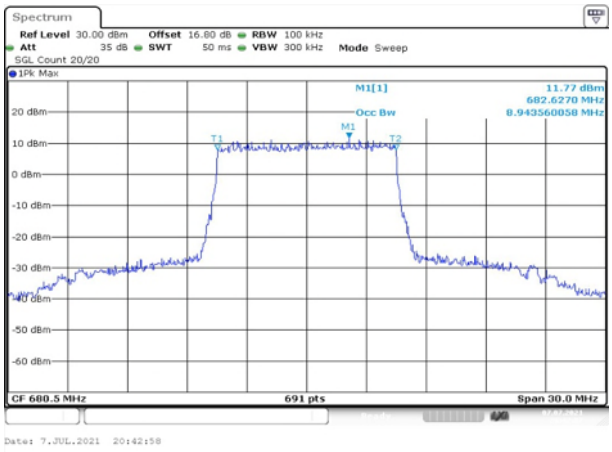


Fig.14



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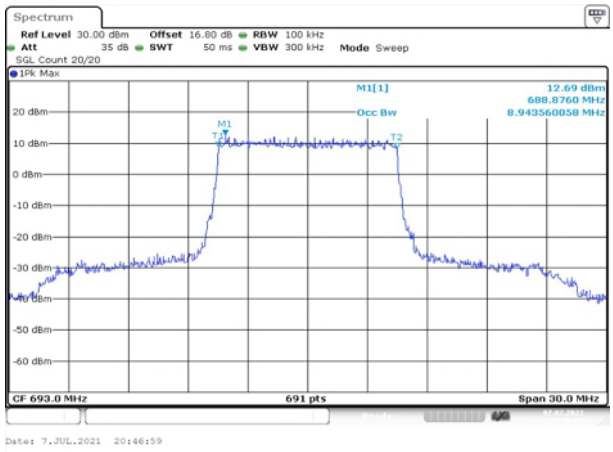
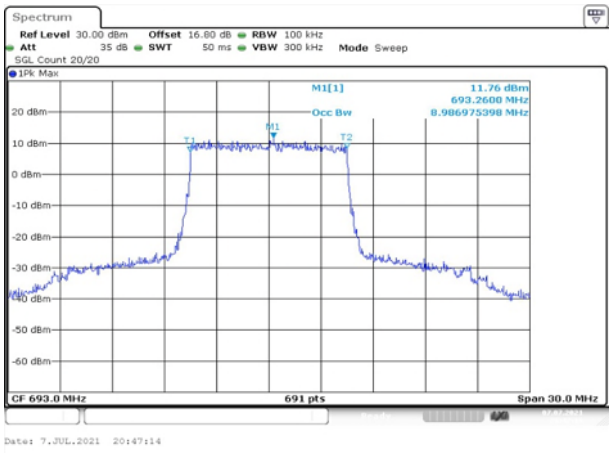


Fig.16



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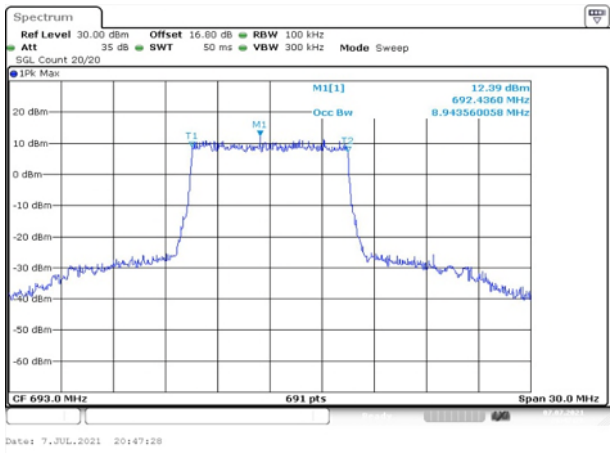

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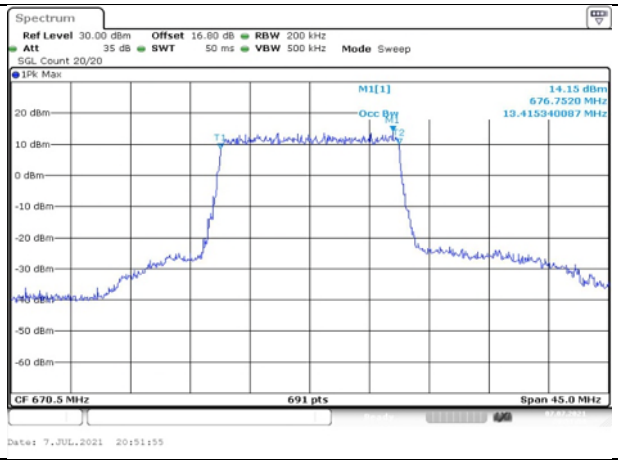
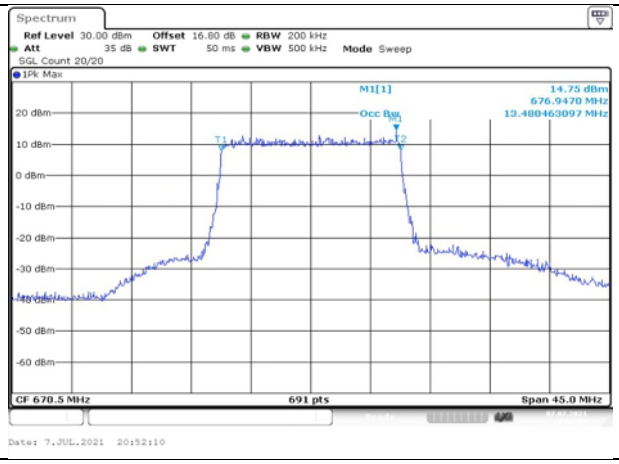


Fig.19



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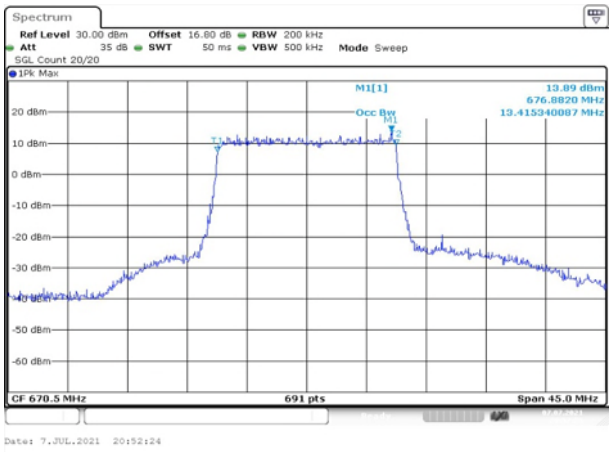


Fig.21

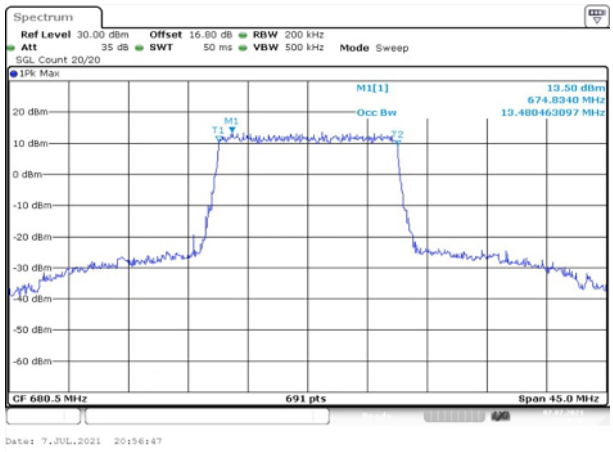
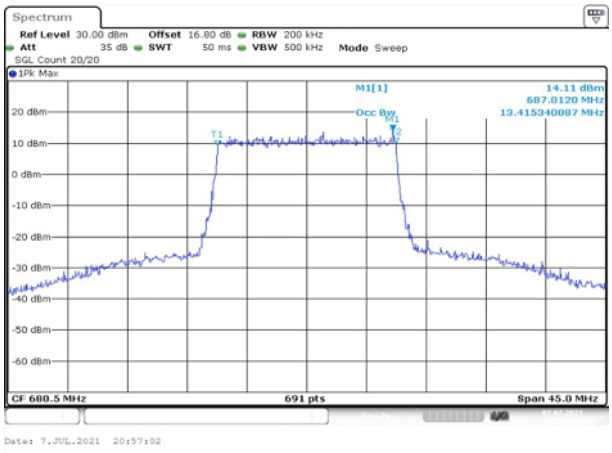


Fig.22



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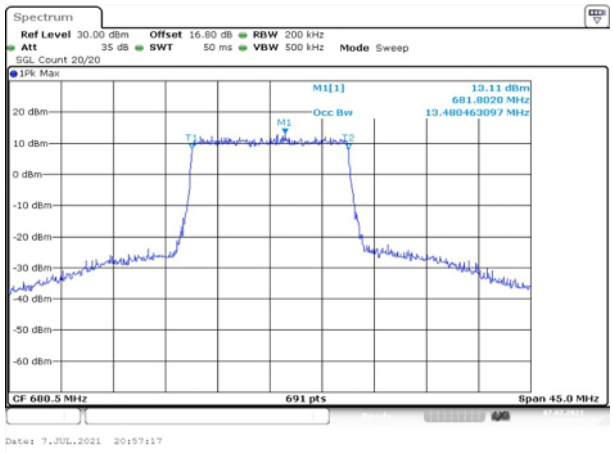


Fig.24

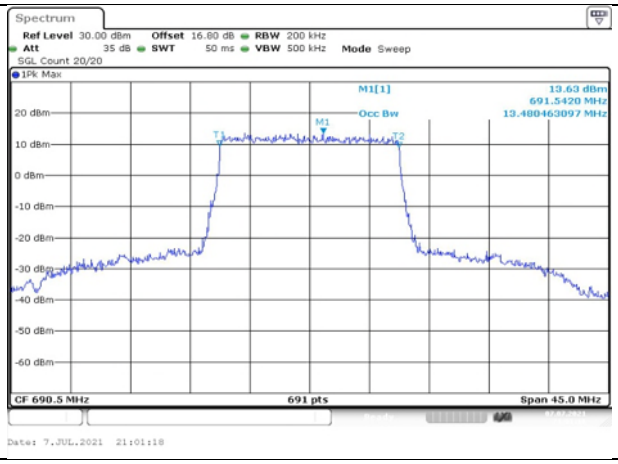


Fig.25

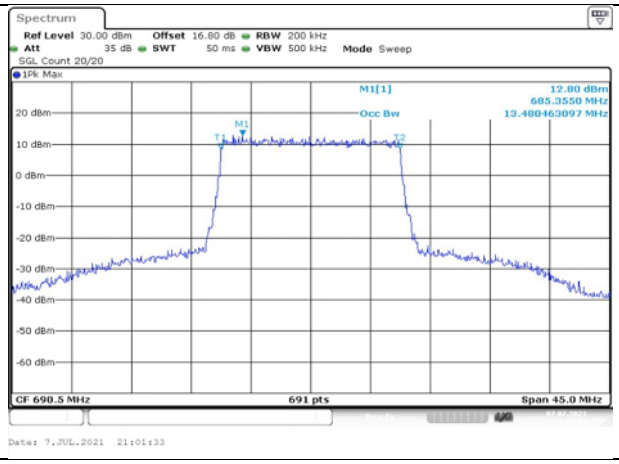


Fig.26

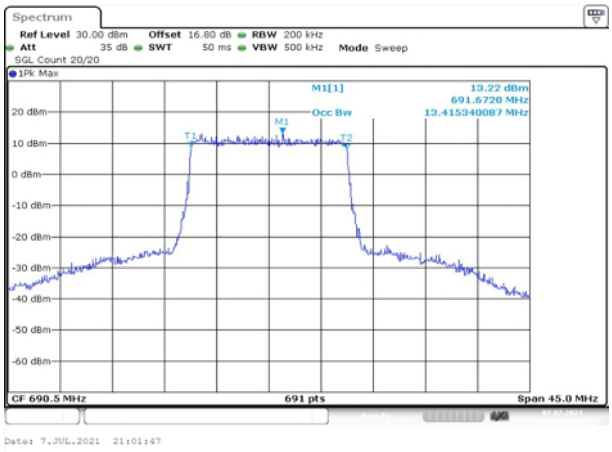


Fig.27

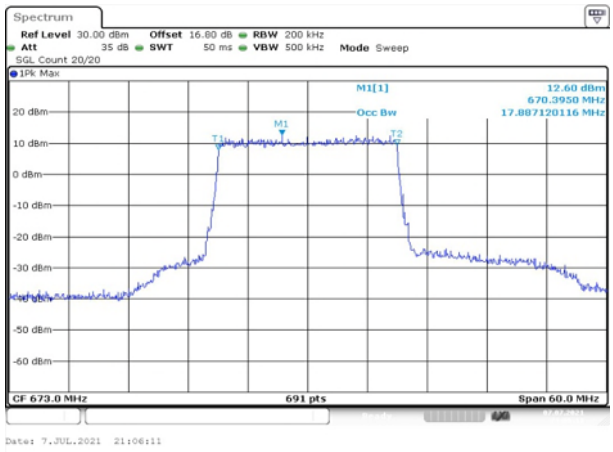


Fig.28

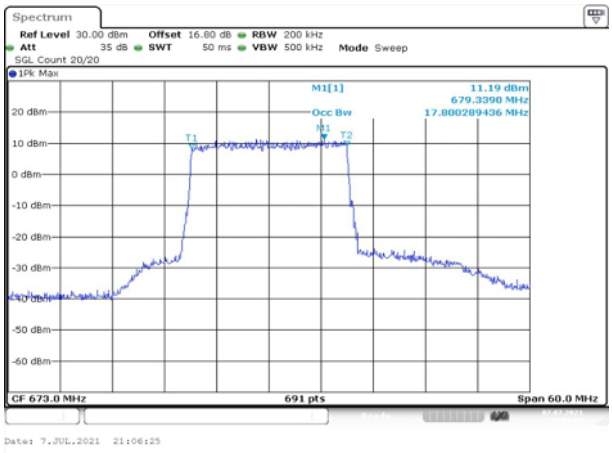
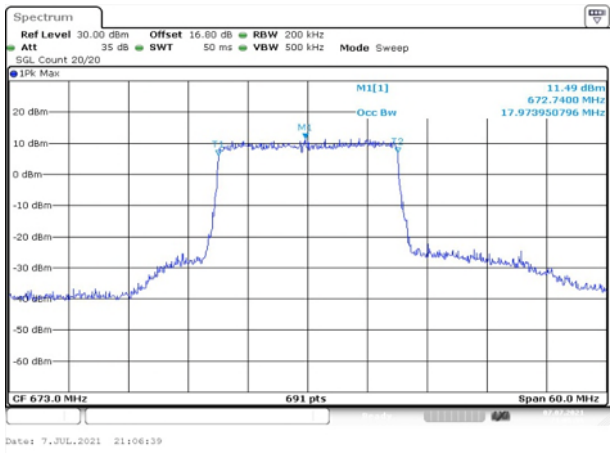


Fig.29



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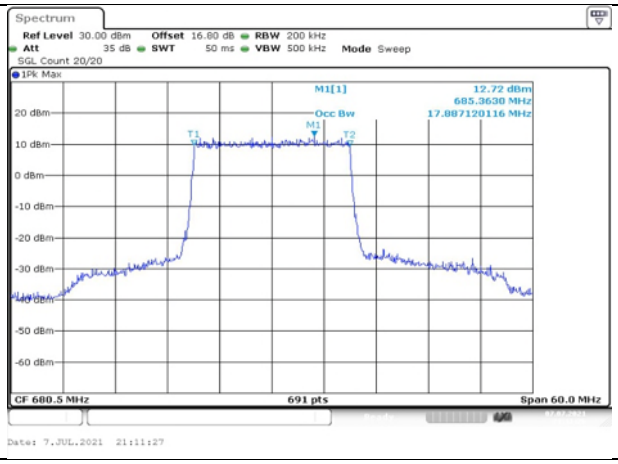

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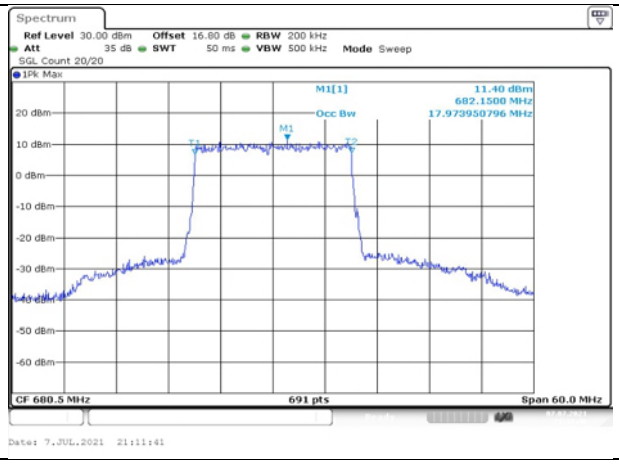

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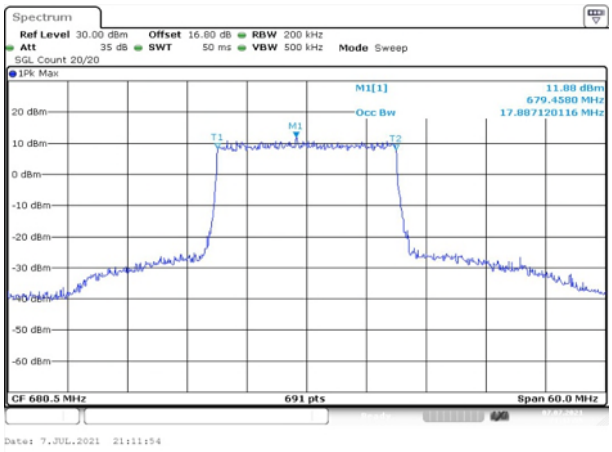

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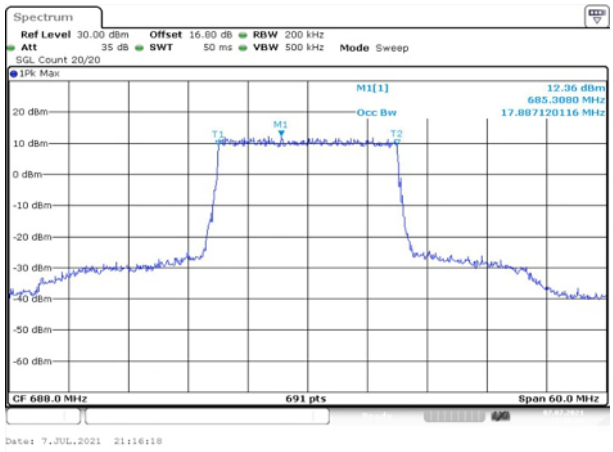

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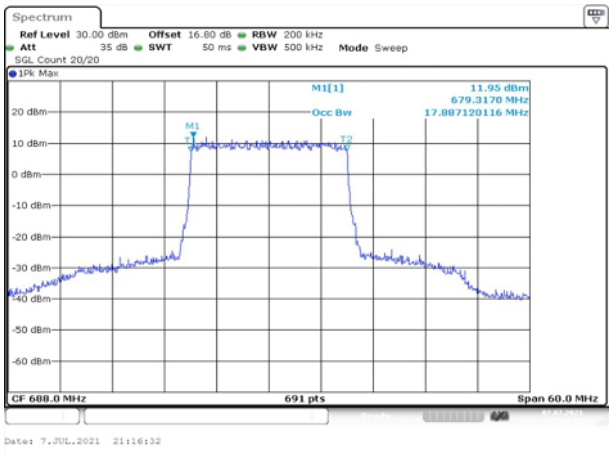

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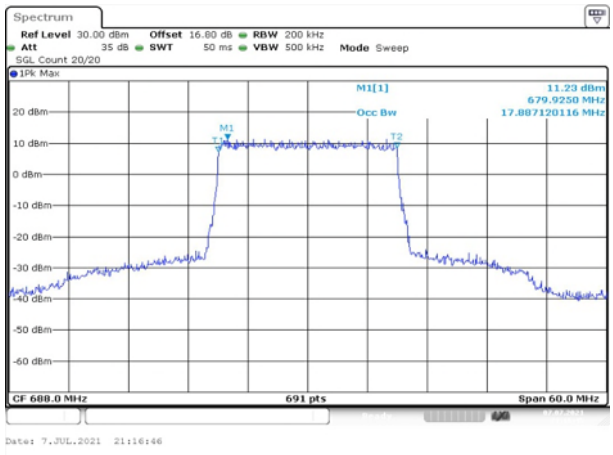


Fig.36

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	
71	665.5	133147	5	25	0	4.993	Fig.1	5.014	Fig.2	5.014	Fig.3
	680.5	133297		25	0	5.036	Fig.4	4.971	Fig.5	4.949	Fig.6
	695.5	133447		25	0	4.993	Fig.7	5.014	Fig.8	5.014	Fig.9
	668	133172	10	50	0	9.682	Fig.10	9.638	Fig.11	9.638	Fig.12
	680.5	133297		50	0	9.768	Fig.13	9.768	Fig.14	9.812	Fig.15
	693	133422		50	0	9.682	Fig.16	9.899	Fig.17	9.855	Fig.18
	670.5	133197	15	75	0	14.913	Fig.19	14.653	Fig.20	14.783	Fig.21
	680.5	133297		75	0	14.783	Fig.22	14.783	Fig.23	14.718	Fig.24
	690.5	133397		75	0	14.783	Fig.25	14.913	Fig.26	14.653	Fig.27
	673	133222	20	100	0	19.450	Fig.28	19.276	Fig.29	19.450	Fig.30
	680.5	133297		100	0	19.276	Fig.31	19.276	Fig.32	19.190	Fig.33
	688	133372		100	0	19.450	Fig.34	19.103	Fig.35	19.276	Fig.36

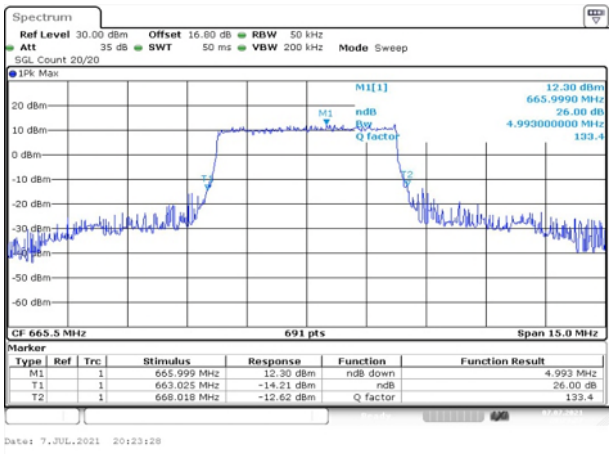
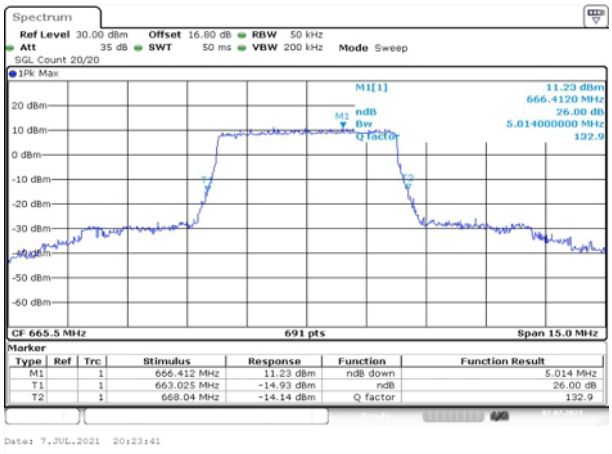


Fig.1



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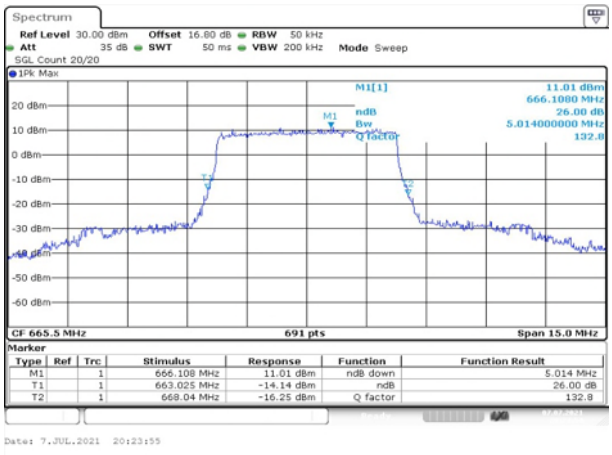

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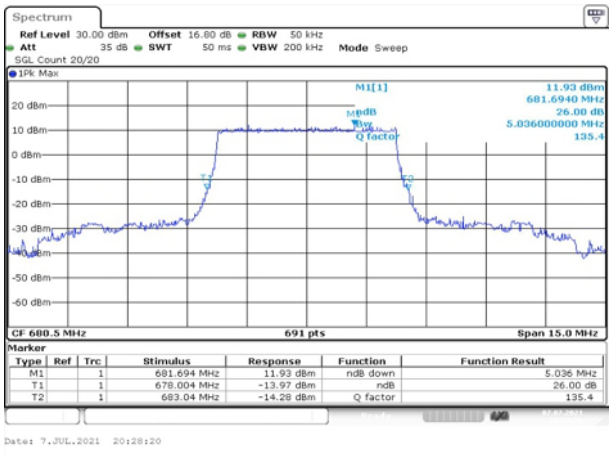

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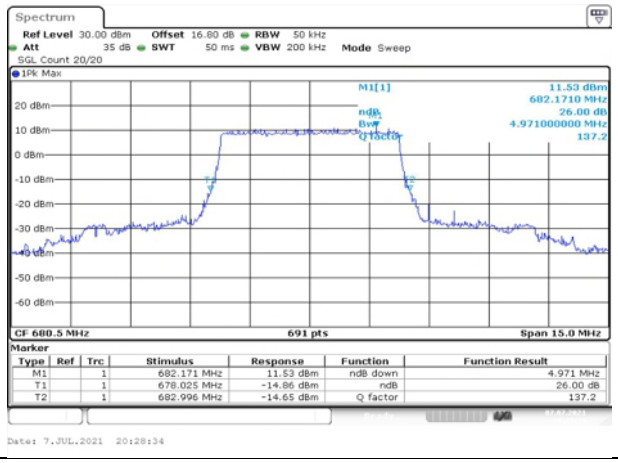


Fig.5

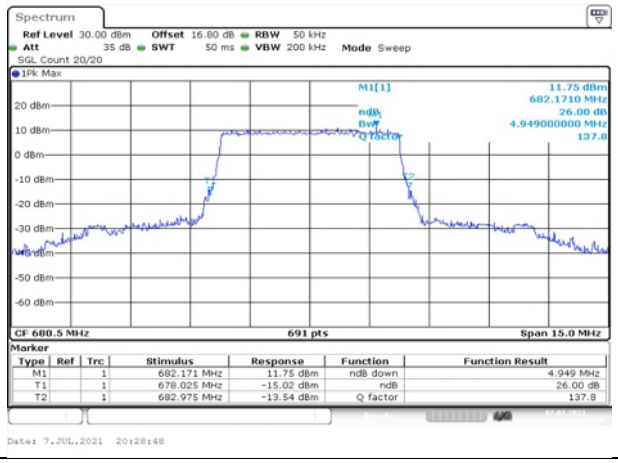
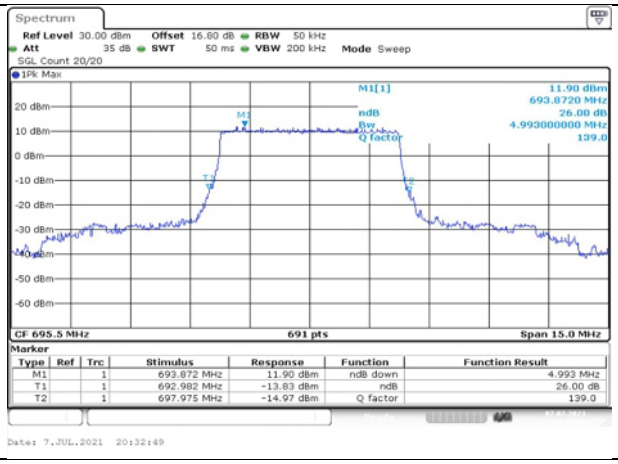


Fig.6



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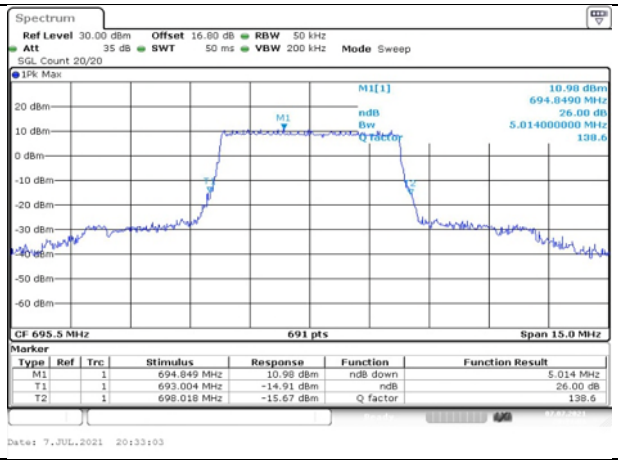

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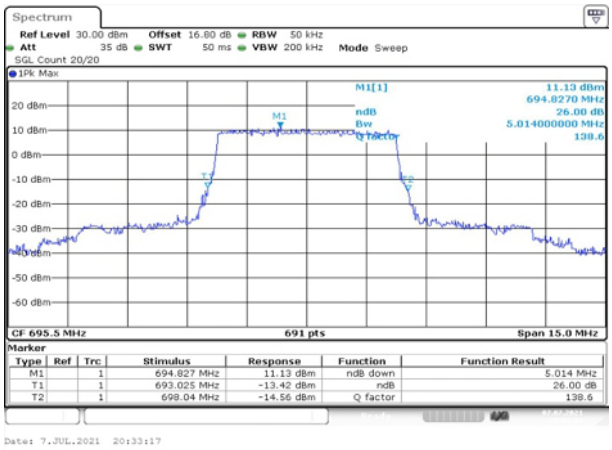

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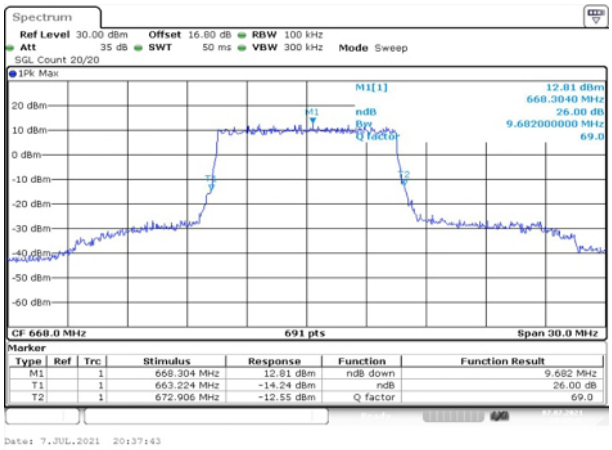

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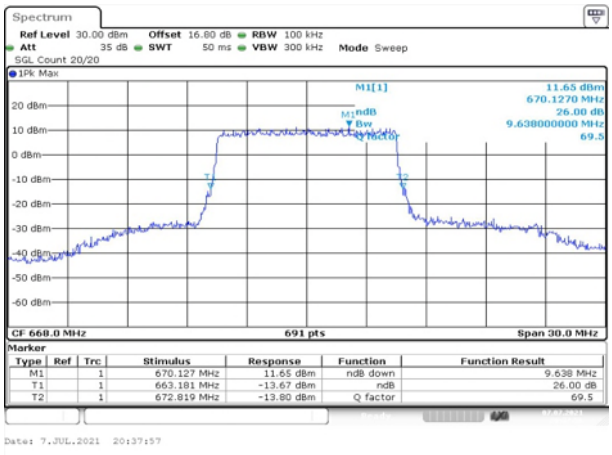
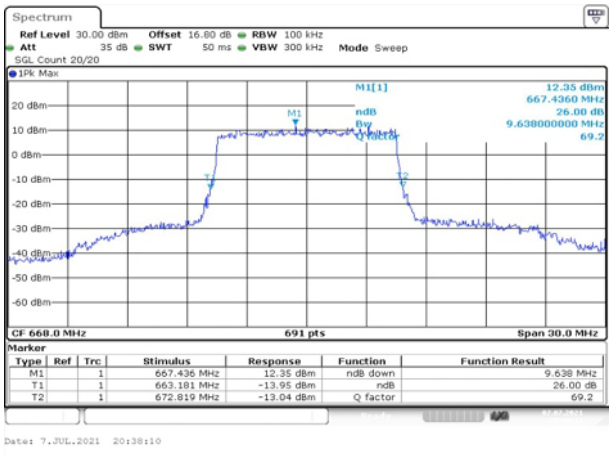


Fig.11



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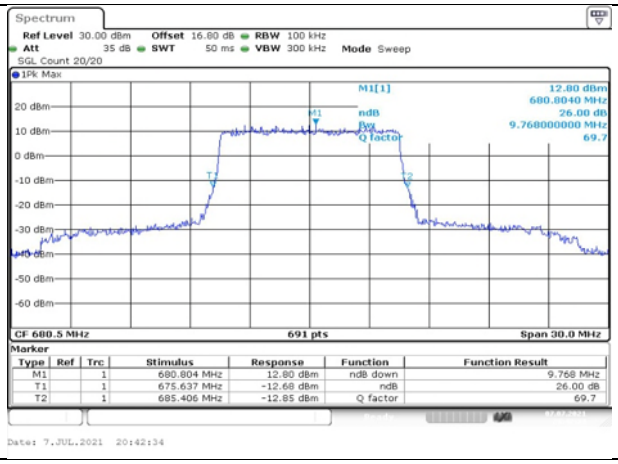

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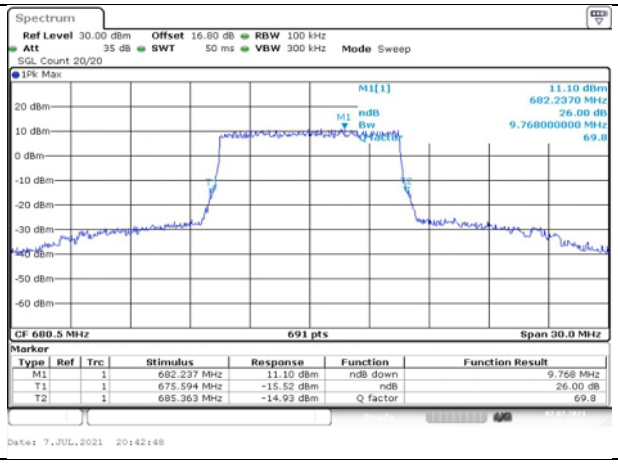

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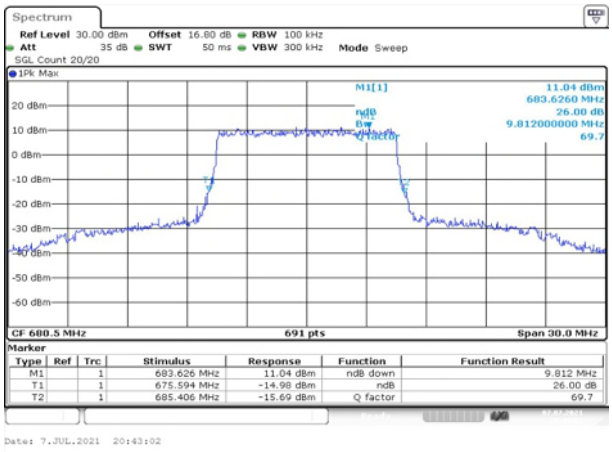

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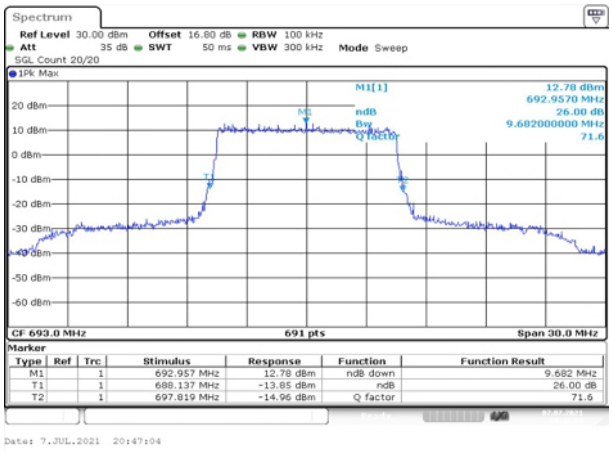

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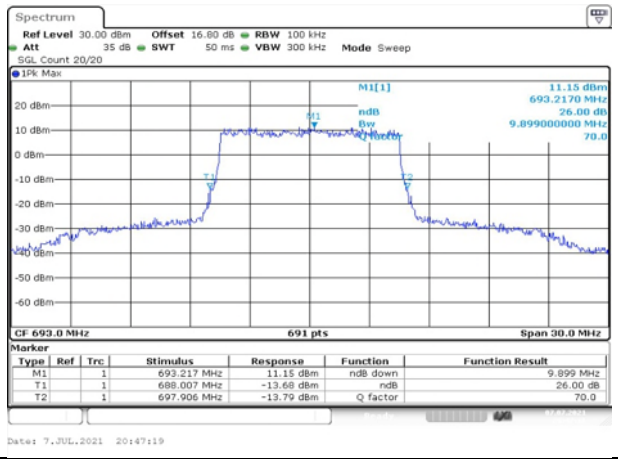

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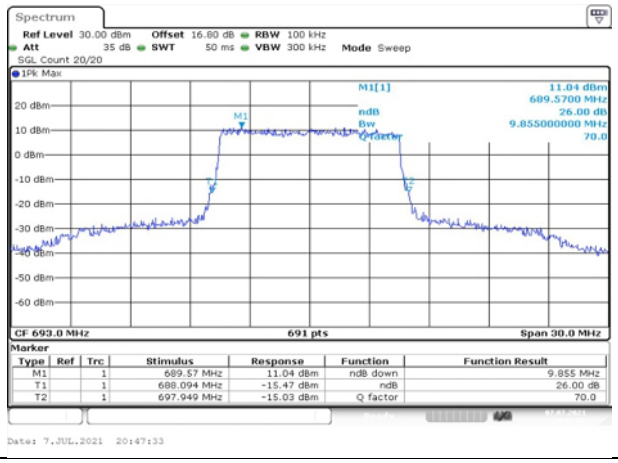

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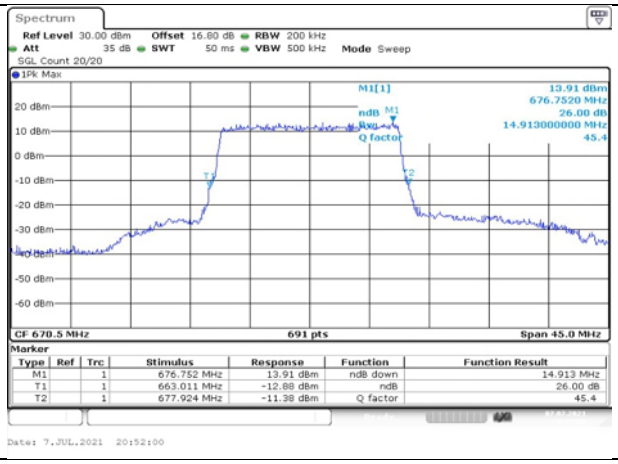

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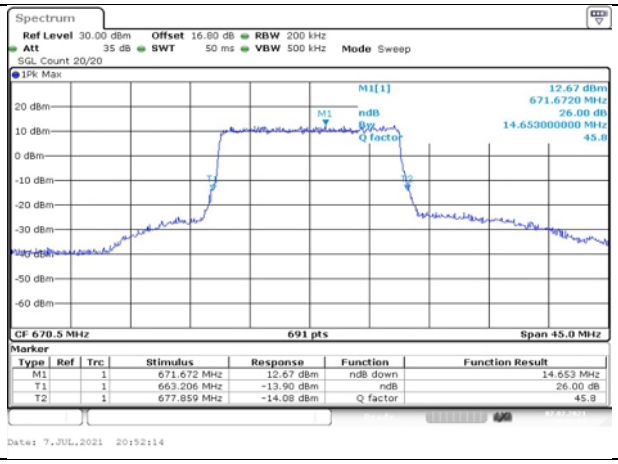
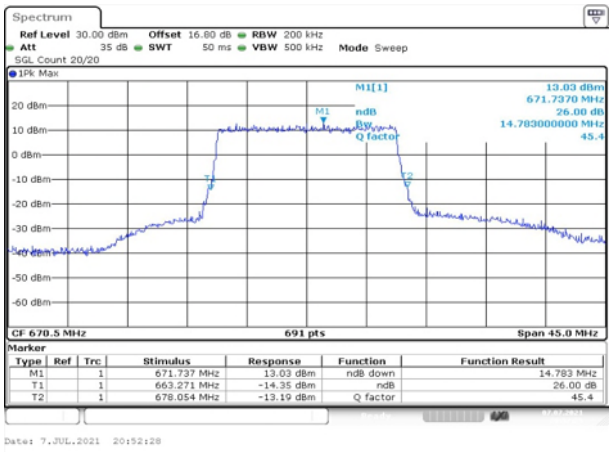


Fig.20



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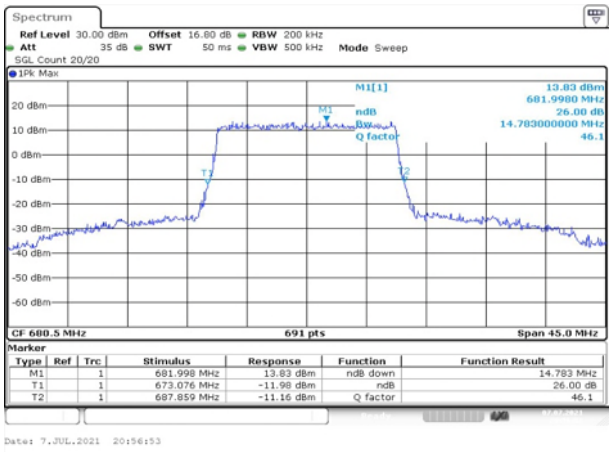

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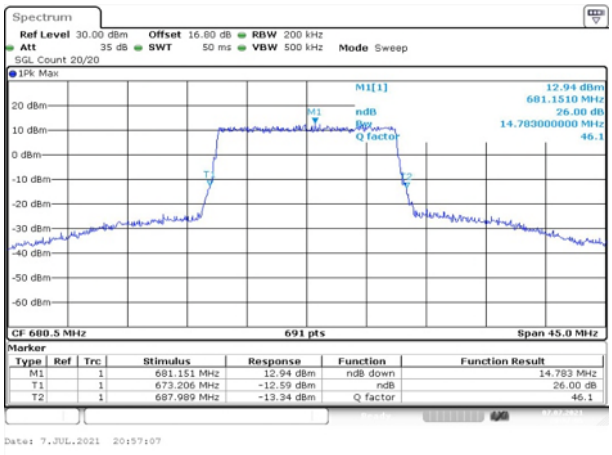

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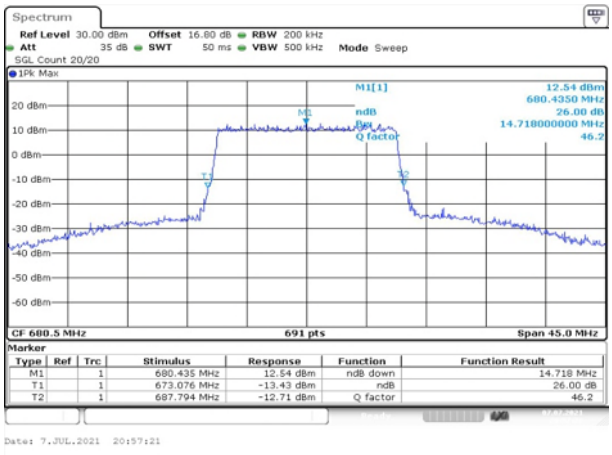

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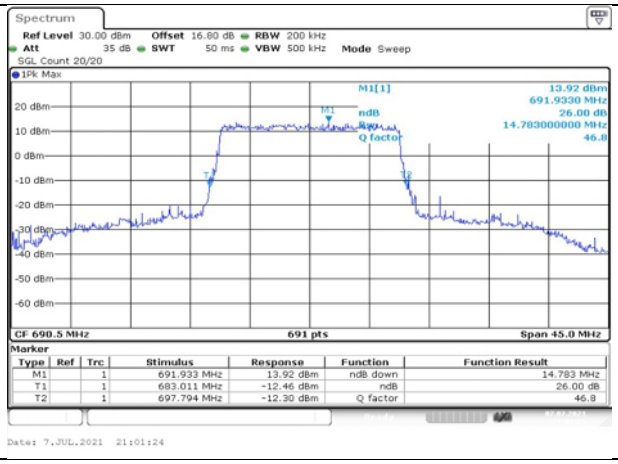

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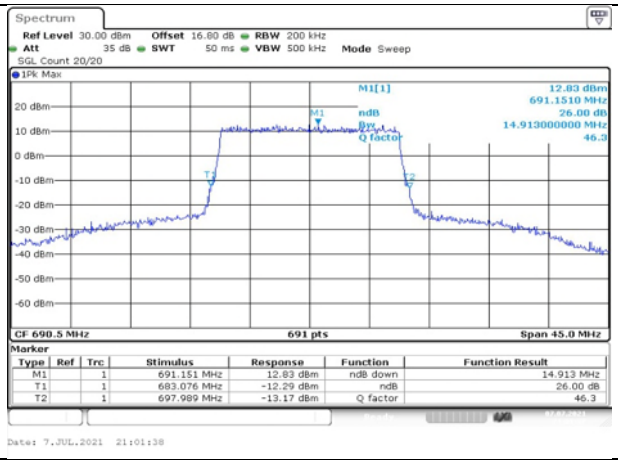
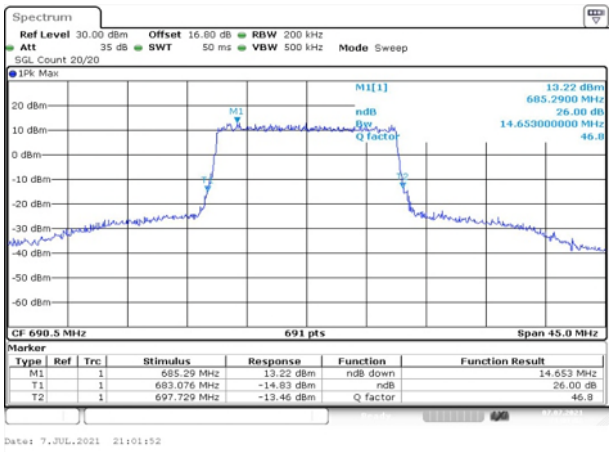


Fig.26



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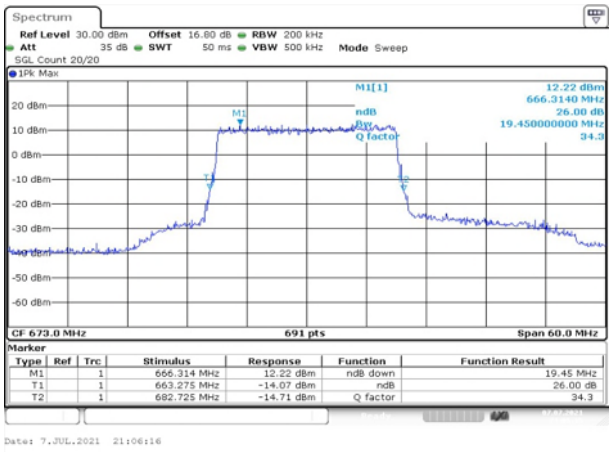

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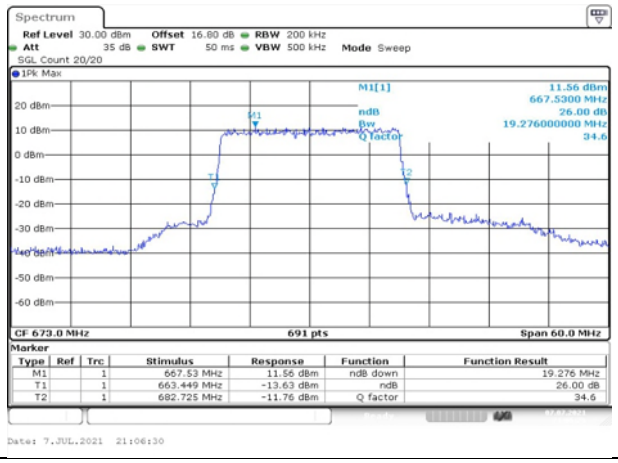

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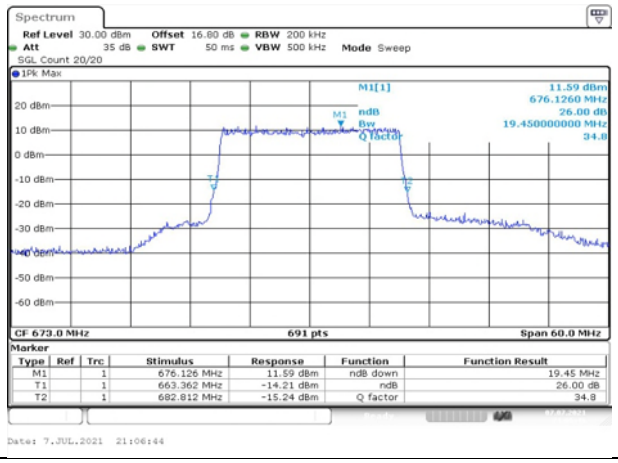

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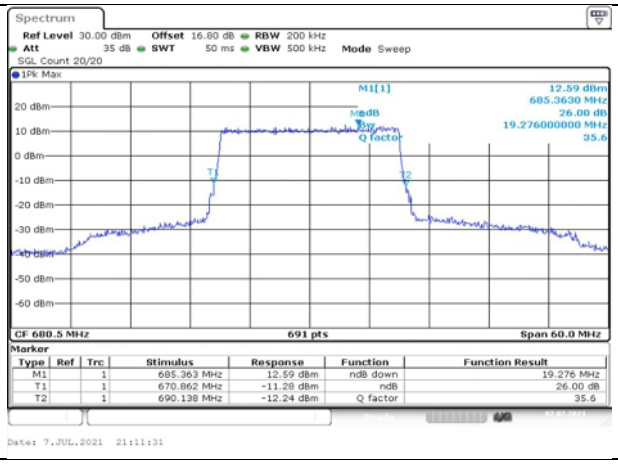

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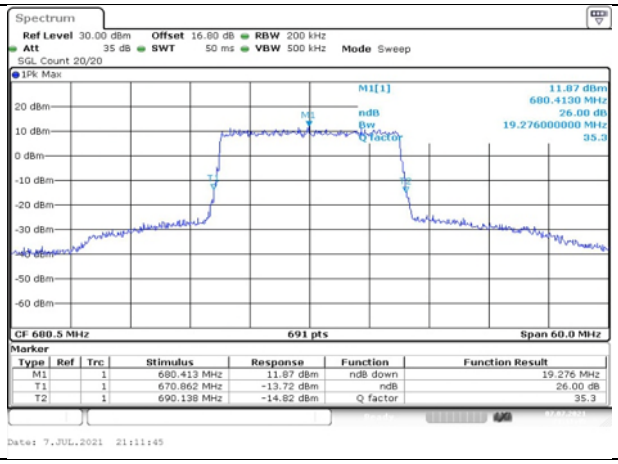
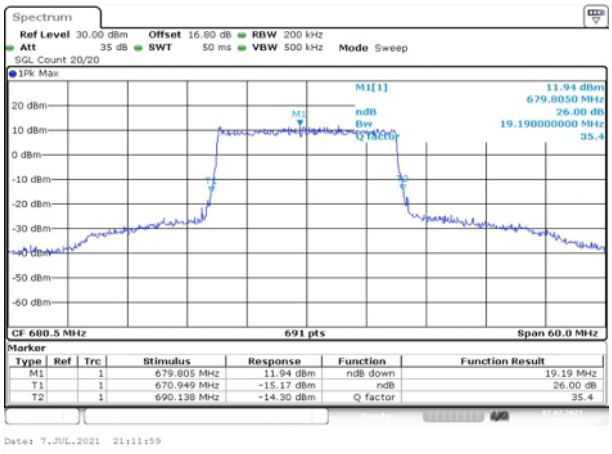


Fig.32



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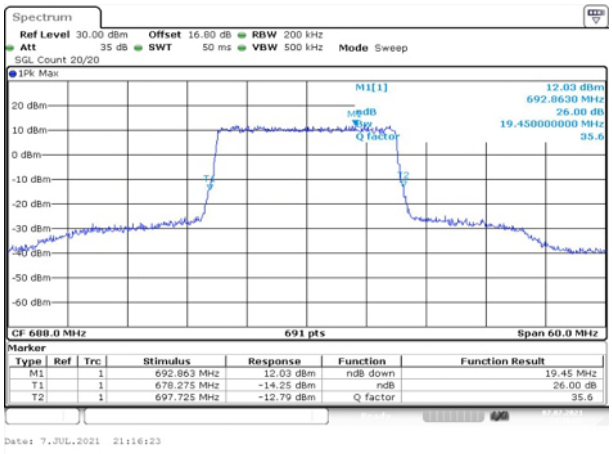

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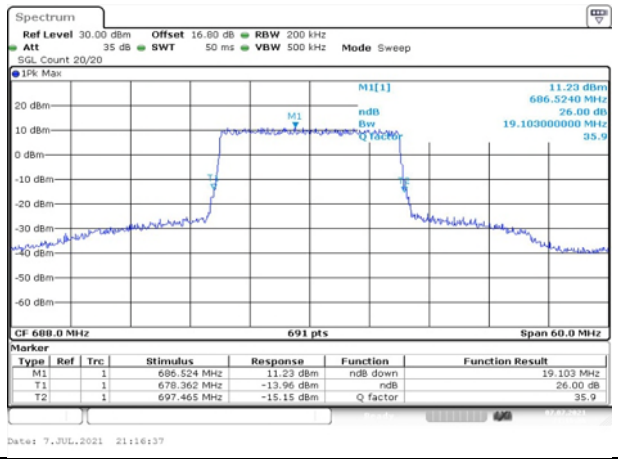


Fig.35

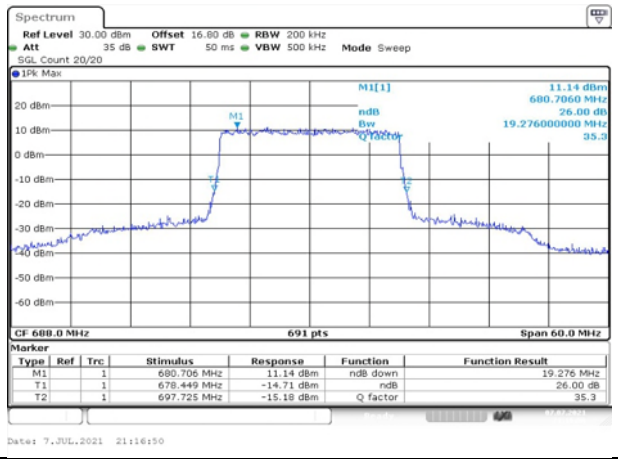


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
71	665.5	133147	5	1	24	Fig.1	Fig.2	Fig.3
	665.5	133147		25	0	Fig.4	Fig.5	Fig.6
	680.5	133297		1	24	Fig.7	Fig.8	Fig.9
	680.5	133297		25	0	Fig.10	Fig.11	Fig.12
	695.5	133447		1	24	Fig.13	Fig.14	Fig.15
	695.5	133447		25	0	Fig.16	Fig.17	Fig.18
	668	133172	10	1	49	Fig.19	Fig.20	Fig.21
	668	133172		50	0	Fig.22	Fig.23	Fig.24
	680.5	133297		1	49	Fig.25	Fig.26	Fig.27
	680.5	133297		50	0	Fig.28	Fig.29	Fig.30
	693	133422		1	49	Fig.31	Fig.32	Fig.33
	693	133422		50	0	Fig.34	Fig.35	Fig.36
	670.5	133197	15	1	74	Fig.37	Fig.38	Fig.39
	670.5	133197		75	0	Fig.40	Fig.41	Fig.42
	680.5	133297		1	74	Fig.43	Fig.44	Fig.45
	680.5	133297		75	0	Fig.46	Fig.47	Fig.48
	690.5	133397		1	74	Fig.49	Fig.50	Fig.51
	690.5	133397		75	0	Fig.52	Fig.53	Fig.54
	673	133222	20	1	99	Fig.55	Fig.56	Fig.57
	673	133222		100	0	Fig.58	Fig.59	Fig.60
	680.5	133297		1	99	Fig.61	Fig.62	Fig.63
	680.5	133297		100	0	Fig.64	Fig.65	Fig.66
	688	133372		1	99	Fig.67	Fig.68	Fig.69
	688	133372		100	0	Fig.70	Fig.71	Fig.72

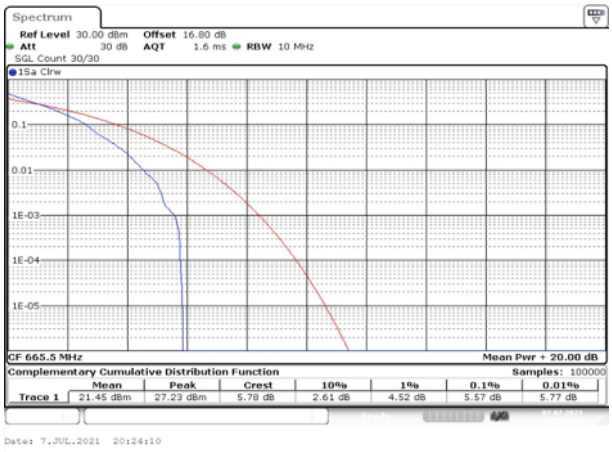


Fig.1

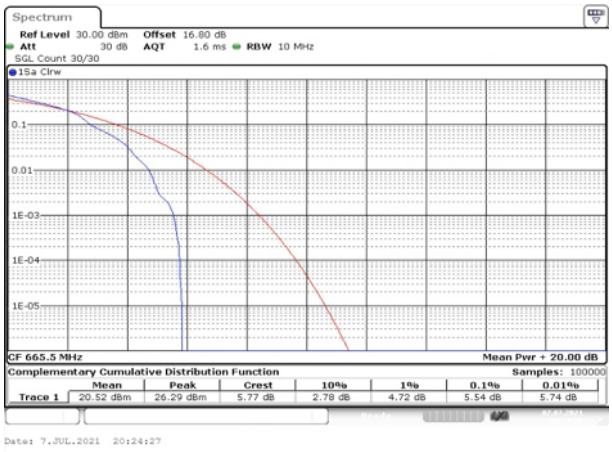
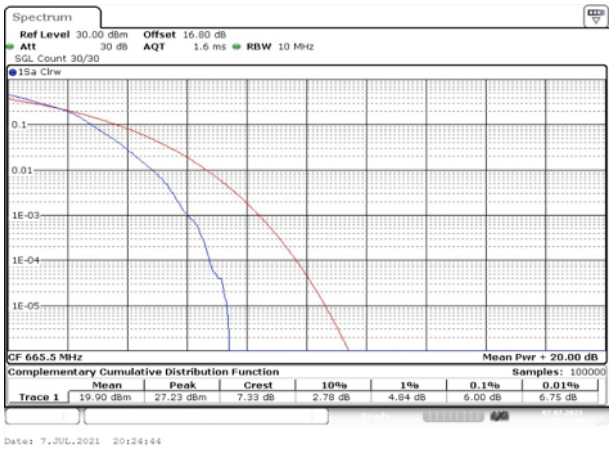


Fig.2



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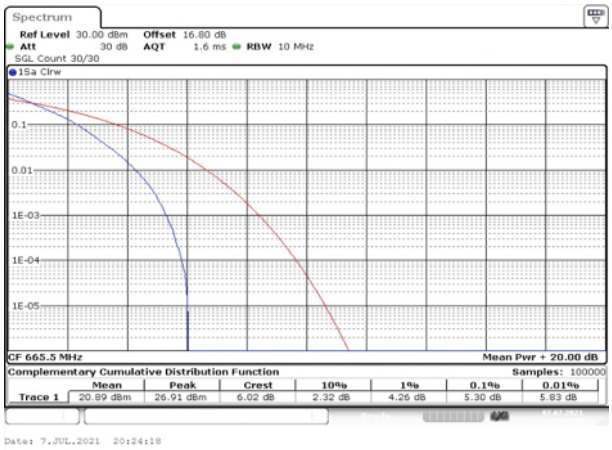

Fig.4

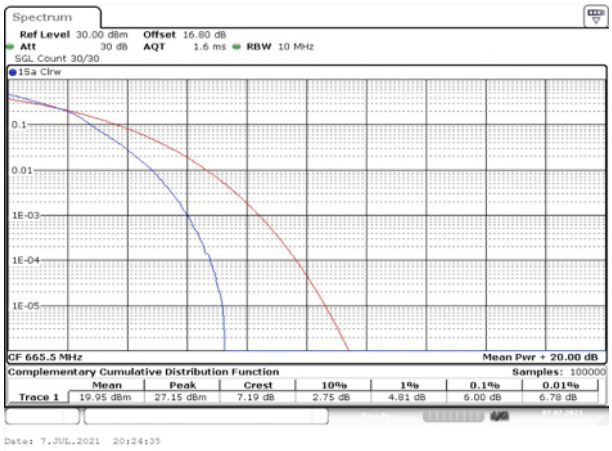

Fig.5

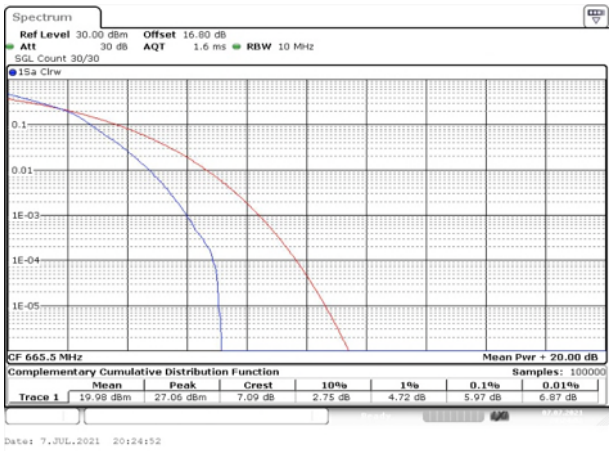

Fig.6