APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency(MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power(dBm)
QPSK	2572.5	37775	5	1	0	22.87
				1	12	22.89
				1	24	22.87
				12	0	21.93
				12	7	21.91
				12	13	21.89
				25	0	21.88
	2595	38000		1	0	22.86
				1	12	22.91
				1	24	22.97
				12	0	21.89
				12	7	22.02
				12	13	21.96
				25	0	21.93
	2617.5	38225		1	0	23.01
				1	12	22.95
				1	24	22.94
				12	0	22.08
				12	7	22.10
				12	13	22.10
				25	0	22.11
16QAM	2572.5	37775		1	0	22.37
				1	12	22.31
				1	24	22.30
				12	0	20.91
				12	7	20.89
				12	13	20.88
				25	0	20.90
	2595	38000		1	0	22.03
				1	12	22.11
				1	24	22.16
				12	0	20.89
				12	7	20.96
				12	13	20.96
				25	0	20.91
	2617.5	38225		1	0	22.44
				1	12	22.48
				1	24	22.40
				12	0	21.17
				12	7	21.11
				12	13	21.12
				25	0	21.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2572.5	37775	5	1	0	20.97
				1	12	20.90
				1	24	20.89
				12	0	20.89
				12	7	20.89
				12	13	20.98
				25	0	20.91
	2595	38000		1	0	20.92
				1	12	20.93
				1	24	20.92
				12	0	20.91
				12	7	20.91
				12	13	20.91
				25	0	20.91
	2617.5	38225		1	0	21.06
				1	12	21.07
				1	24	21.09
				12	0	21.12
				12	7	21.09
				12	13	21.14
				25	0	21.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	22.82
				1	25	22.78
				1	49	22.71
				25	0	21.94
				25	12	21.97
				25	25	21.95
				50	0	21.97
	2595	38000		1	0	22.87
				1	25	22.79
				1	49	22.87
				25	0	21.93
				25	12	22.04
				25	25	22.04
				50	0	22.03
	2615	38200		1	0	23.13
				1	25	23.07
				1	49	23.01
				25	0	22.14
				25	12	22.14
				25	25	22.23
				50	0	22.10
16QAM	2575	37800		1	0	22.39
				1	25	22.18
				1	49	22.59
				25	0	21.06
				25	12	21.00
				25	25	21.00
				50	0	20.97
	2595	38000		1	0	22.00
				1	25	21.97
				1	49	22.08
				25	0	20.96
				25	12	21.08
				25	25	21.01
				50	0	21.01
	2615	38200		1	0	22.02
				1	25	22.11
				1	49	22.00
				25	0	21.01
				25	12	21.09
				25	25	21.15
				50	0	21.11

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2575	37800	10	1	0	21.04
				1	25	20.97
				1	49	21.00
				25	0	21.01
				25	12	21.04
				25	25	20.97
				50	0	21.00
	2595	38000		1	0	20.89
				1	25	21.00
				1	49	20.90
				25	0	20.93
				25	12	21.00
				25	25	21.00
				50	0	20.99
	2615	38200		1	0	21.12
				1	25	21.06
				1	49	21.13
				25	0	21.12
				25	12	21.12
				25	25	21.12
				50	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	22.71
				1	37	22.70
				1	74	22.68
				36	0	21.78
				36	29	21.76
				36	30	21.79
				75	0	21.80
	2595	38000		1	0	22.78
				1	37	22.82
				1	74	22.84
				36	0	21.78
				36	29	21.85
				36	30	21.84
				75	0	21.87
	2612.5	38175		1	0	22.99
				1	37	23.03
				1	74	23.04
				36	0	21.98
				36	29	22.08
				36	30	22.03
				75	0	21.84
16QAM	2577.5	37825		1	0	22.12
				1	37	22.12
				1	74	22.14
				36	0	20.80
				36	29	20.88
				36	30	20.87
				75	0	20.84
	2595	38000		1	0	21.86
				1	37	21.82
				1	74	21.96
				36	0	20.77
				36	29	20.88
				36	30	20.88
				75	0	20.80
	2612.5	38175		1	0	22.17
				1	37	22.02
				1	74	22.03
				36	0	20.91
				36	29	20.98
				36	30	20.98
				75	0	20.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2577.5	37825	15	1	0	20.84
				1	37	20.84
				1	74	20.83
				36	0	20.82
				36	29	20.83
				36	30	20.84
				75	0	20.85
	2595	38000		1	0	20.84
				1	37	20.87
				1	74	20.86
				36	0	20.87
				36	29	20.83
				36	30	20.87
				75	0	20.87
	2612.5	38175		1	0	20.92
				1	37	20.92
				1	74	20.92
				36	0	20.98
				36	29	20.92
				36	30	20.96
				75	0	20.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	22.80
				1	49	22.90
				1	99	22.88
				50	0	21.76
				50	24	21.92
				50	50	21.89
				100	0	21.84
	2595	38000		1	0	22.94
				1	49	23.02
				1	99	23.02
				50	0	21.85
				50	24	21.93
				50	50	21.93
				100	0	21.90
	2610	38150		1	0	22.97
				1	49	23.01
				1	99	23.05
				50	0	21.95
				50	24	22.02
				50	50	22.05
				100	0	21.97
16QAM	2580	37850		1	0	22.05
				1	49	22.15
				1	99	22.14
				50	0	20.82
				50	24	20.90
				50	50	20.89
				100	0	20.97
	2595	38000		1	0	22.01
				1	49	22.08
				1	99	22.05
				50	0	20.84
				50	24	20.93
				50	50	20.93
				100	0	20.99
	2610	38150		1	0	21.62
				1	49	21.68
				1	99	21.68
				50	0	21.04
				50	24	21.10
				50	50	21.15
				100	0	20.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2580	37850	20	1	0	20.87
				1	49	20.87
				1	99	20.90
				50	0	20.92
				50	24	20.89
				50	50	20.91
				100	0	20.88
	2595	38000		1	0	20.92
				1	49	20.95
				1	99	20.98
				50	0	20.98
				50	24	20.88
				50	50	20.98
				100	0	20.88
	2610	38150		1	0	20.95
				1	49	21.03
				1	99	20.99
				50	0	21.02
				50	24	20.99
				50	50	21.02
				100	0	21.00

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2595	38000		25	0	4.472	Fig.4	4.450	Fig.5	4.472	Fig.6
	2617.5	38225		25	0	4.450	Fig.7	4.472	Fig.8	4.450	Fig.9
	2575	37800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2595	38000		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	2615	38200		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2577.5	37825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2595	38000		75	0	13.415	Fig.22	13.480	Fig.23	13.415	Fig.24
	2612.5	38175		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2580	37850	20	100	0	17.800	Fig.28	17.800	Fig.29	17.887	Fig.30
	2595	38000		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2610	38150		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36

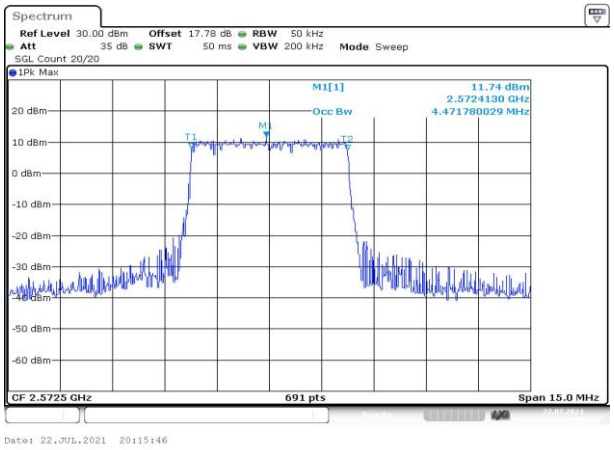


Fig.1

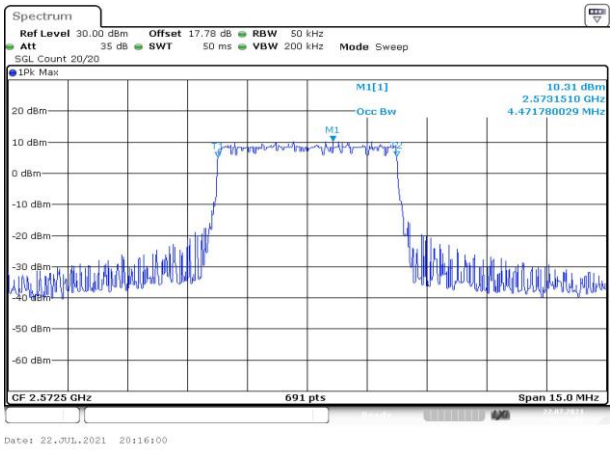


Fig.2

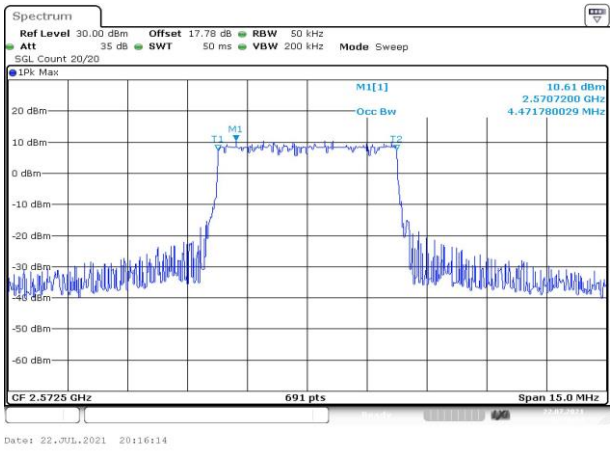


Fig.3

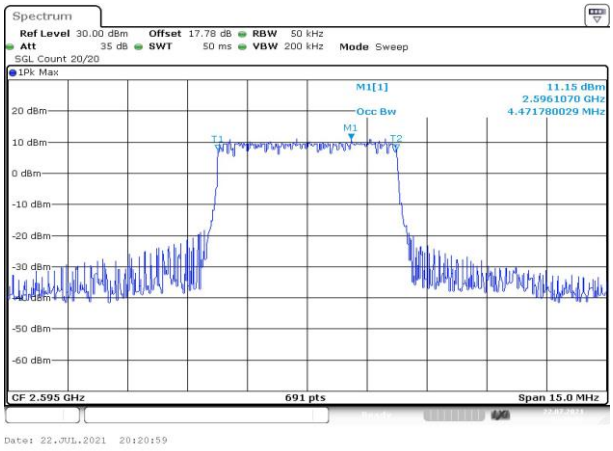


Fig.4

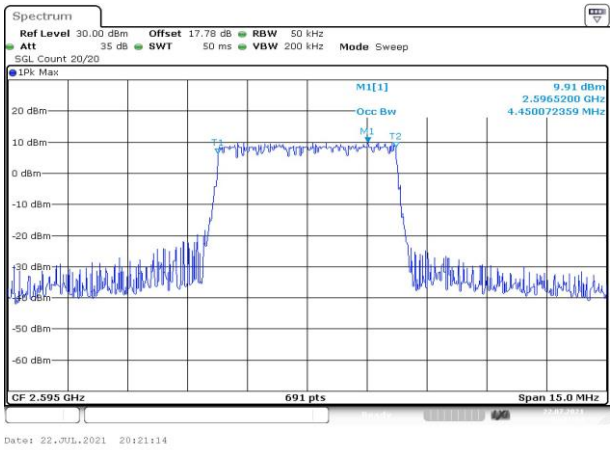


Fig.5

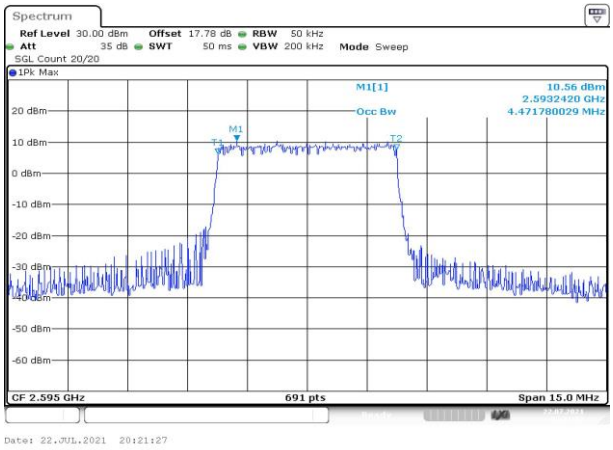


Fig.6

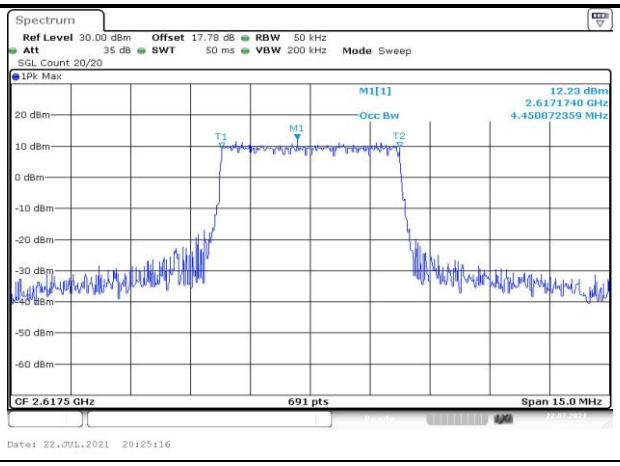


Fig.7

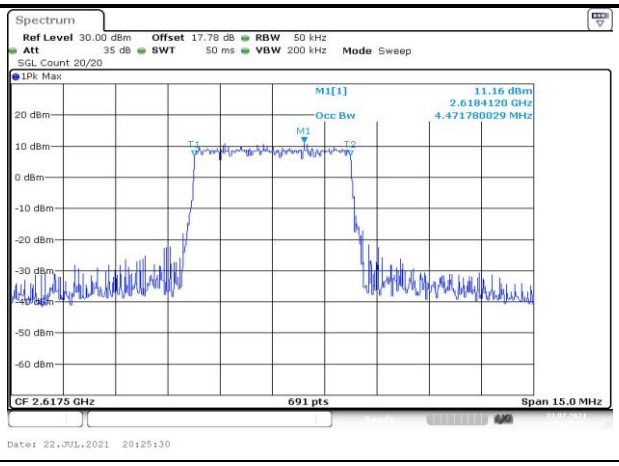


Fig.8

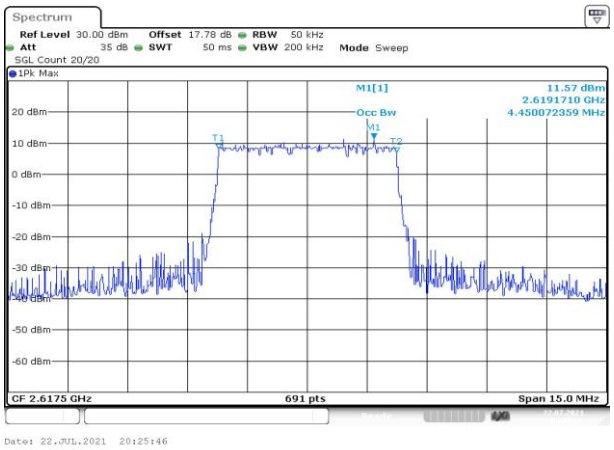


Fig.9

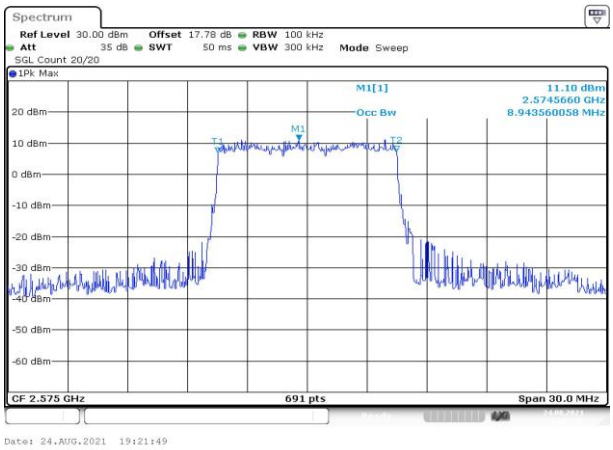


Fig.10

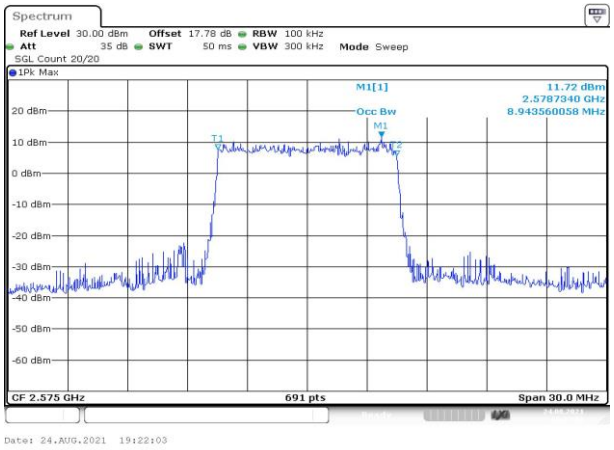


Fig.11

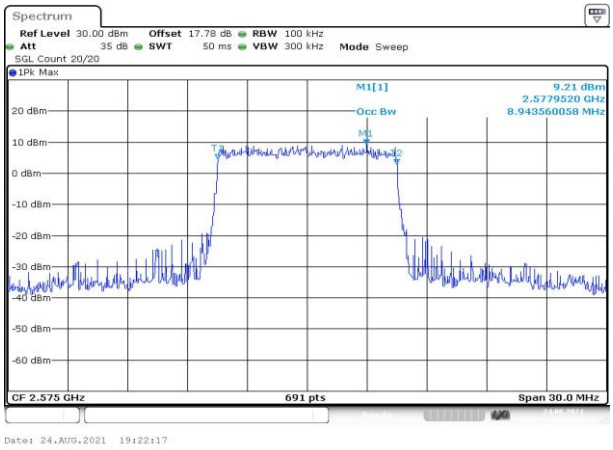


Fig.12

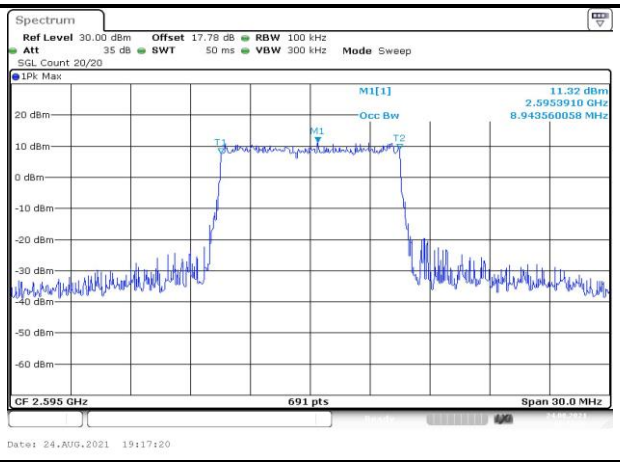


Fig.13

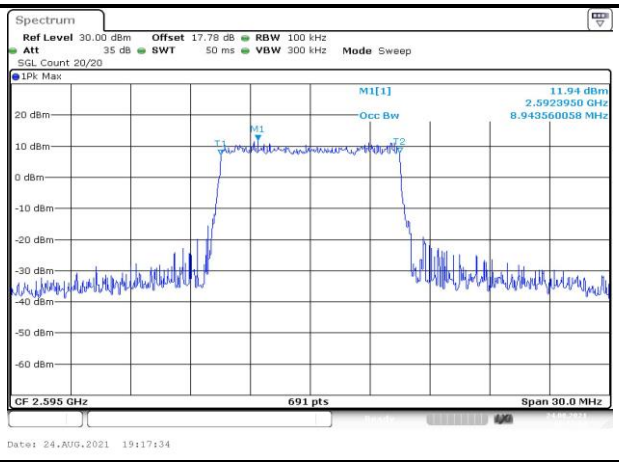


Fig.14

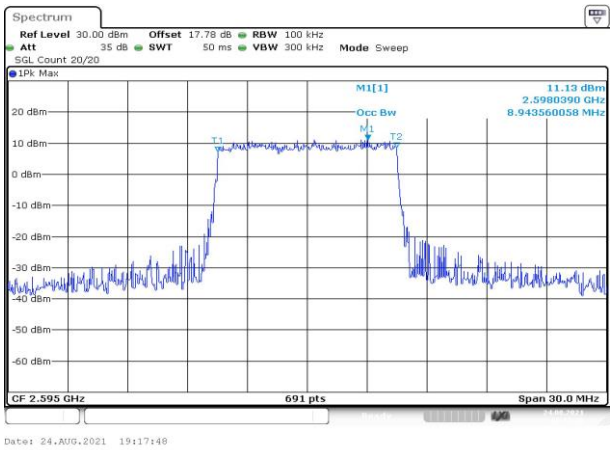


Fig.15

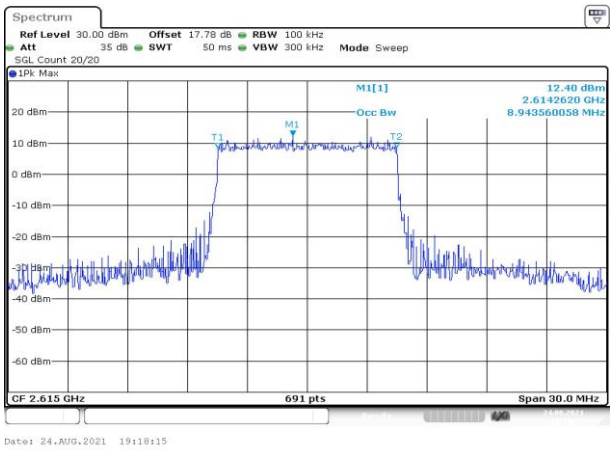


Fig.16

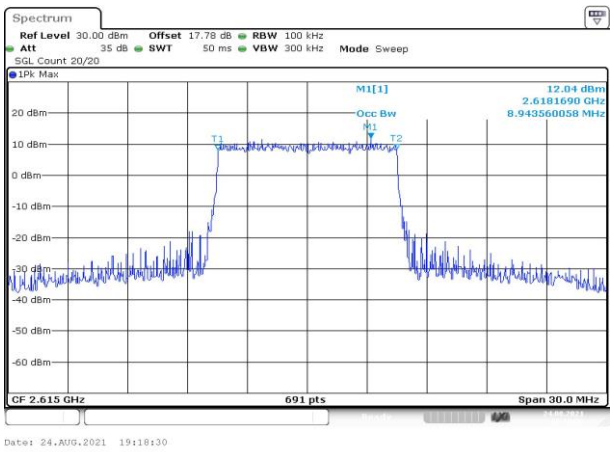
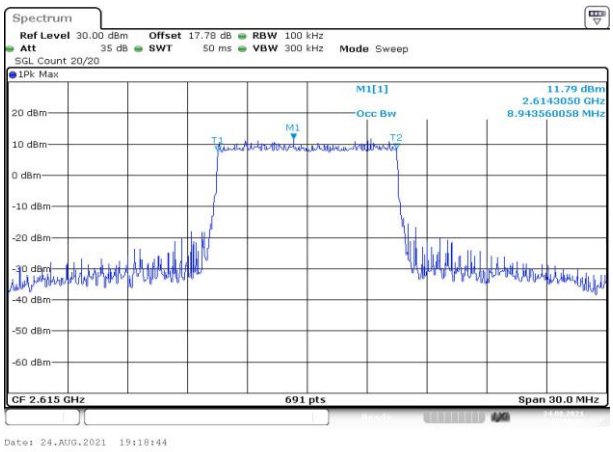


Fig.17



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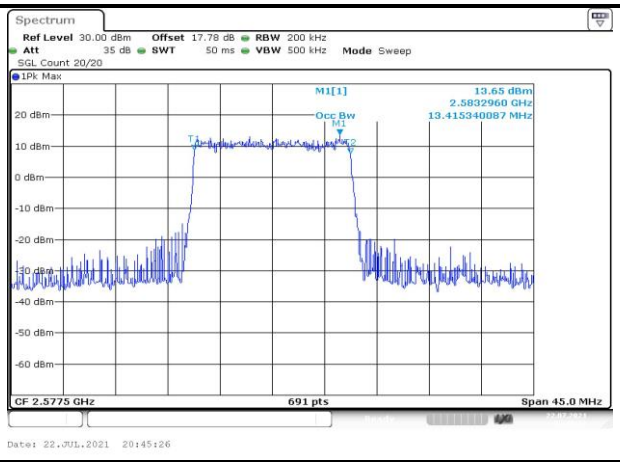

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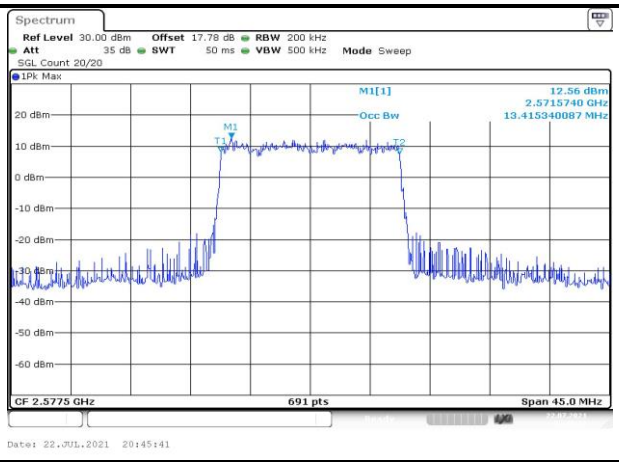

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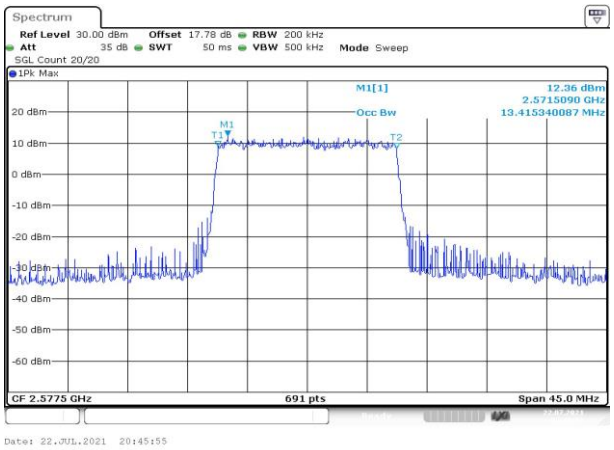


Fig.21

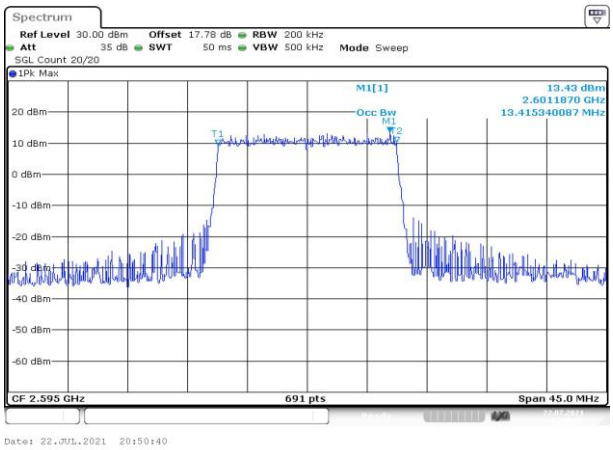
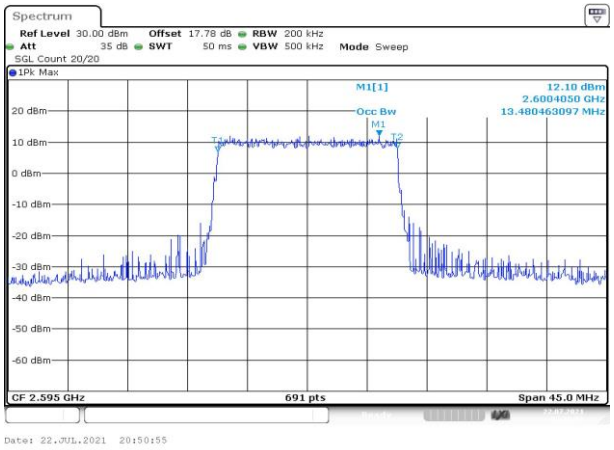


Fig.22



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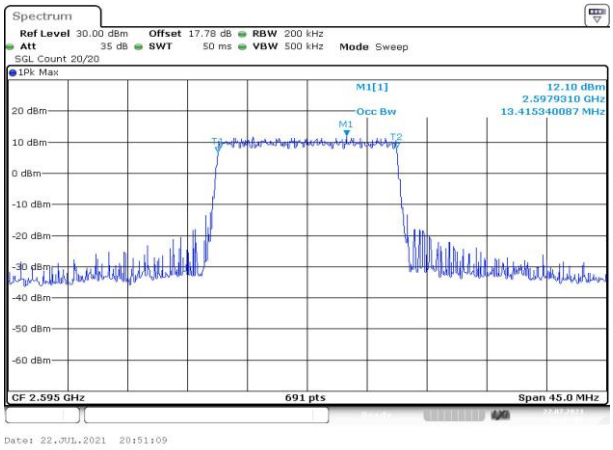

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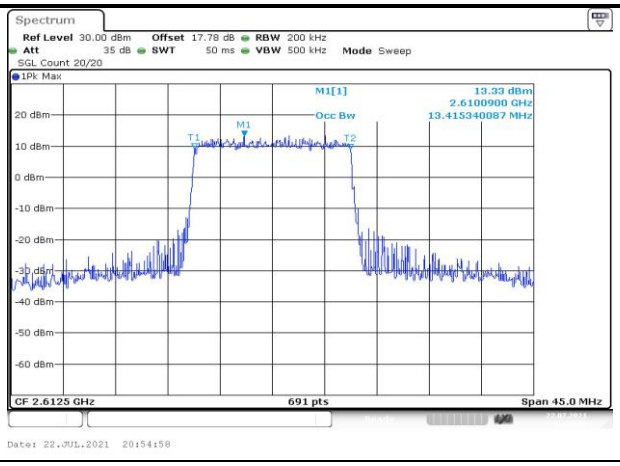


Fig.25

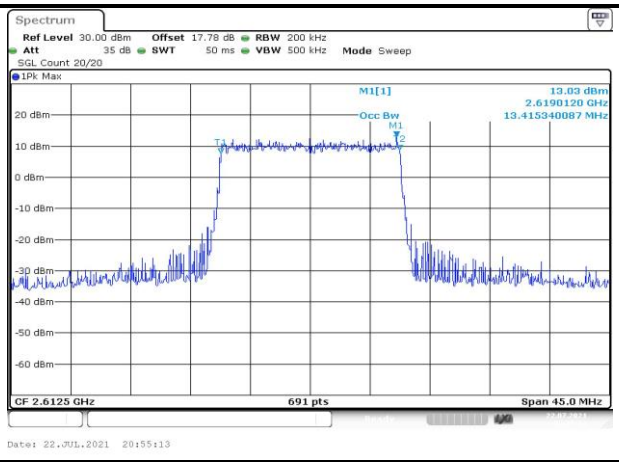


Fig.26

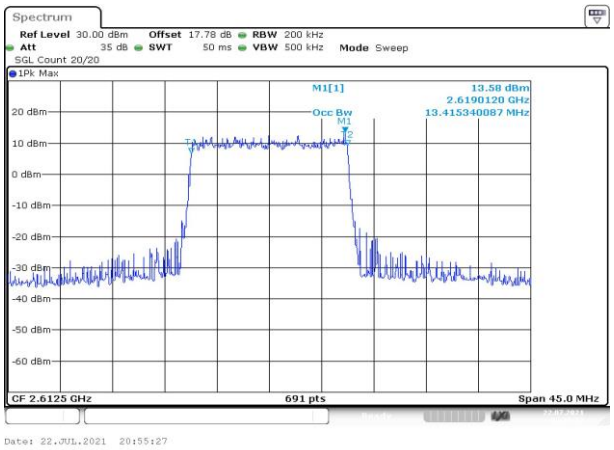


Fig.27

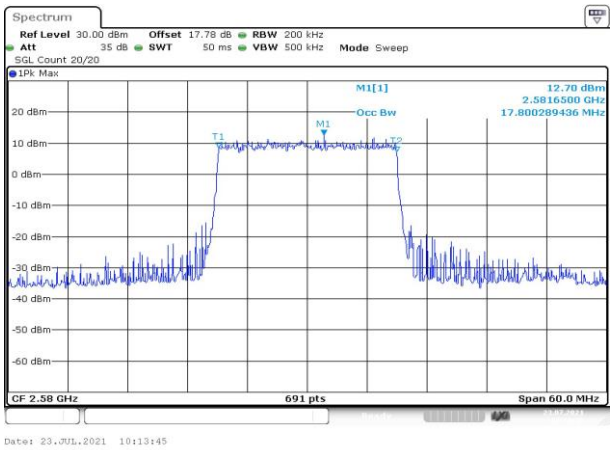


Fig.28

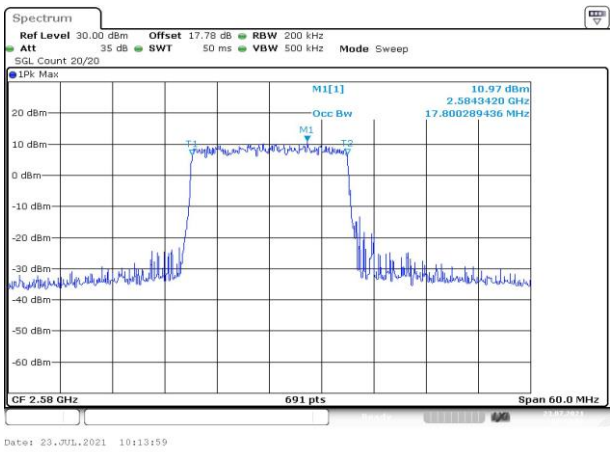
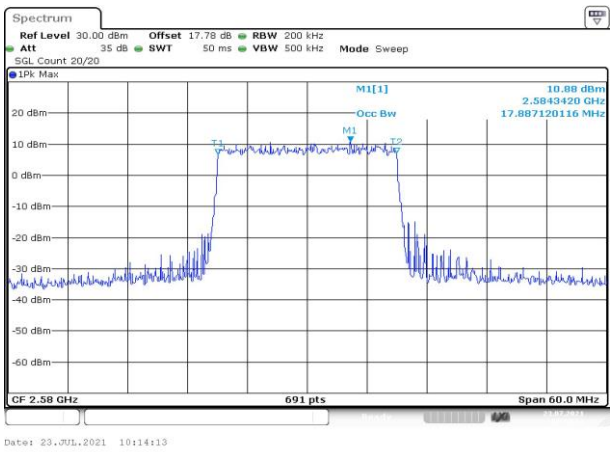


Fig.29



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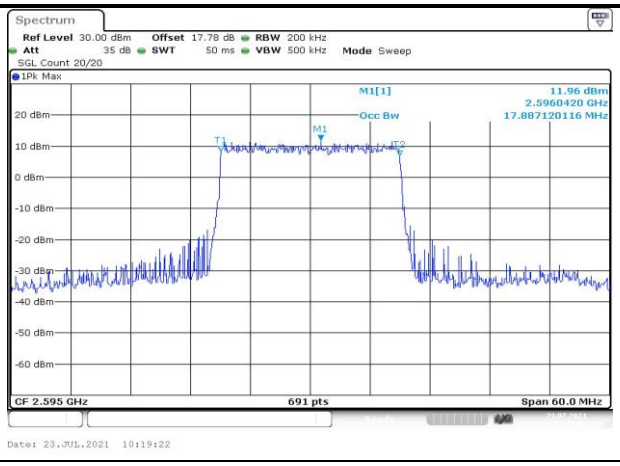

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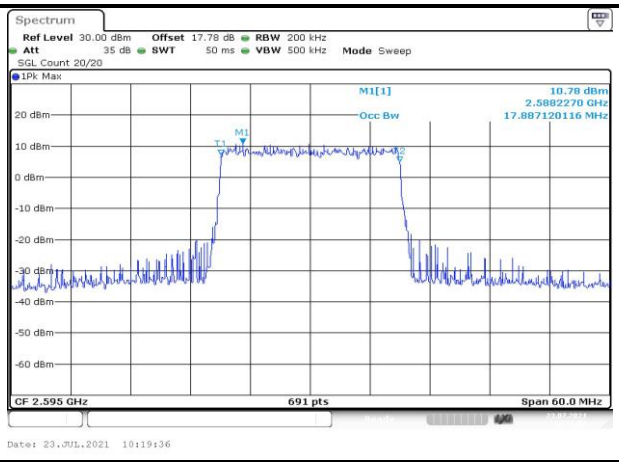

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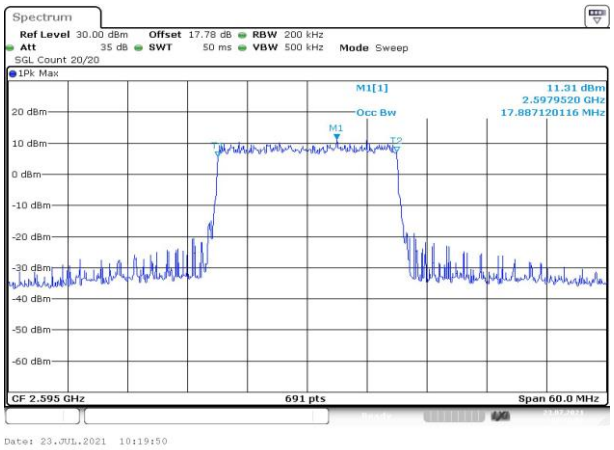

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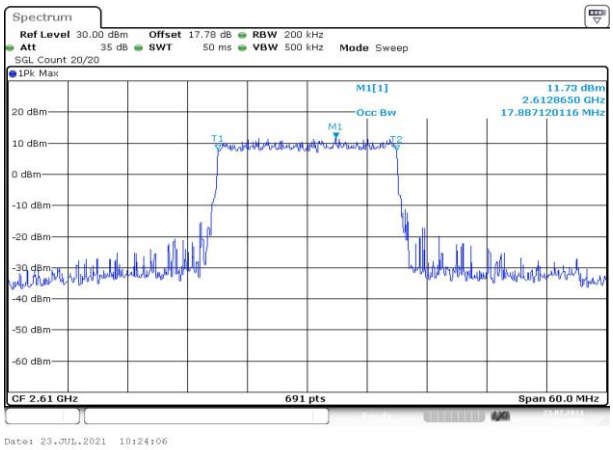

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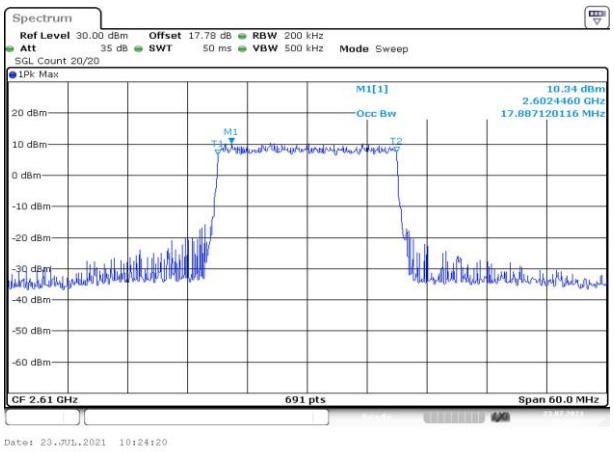

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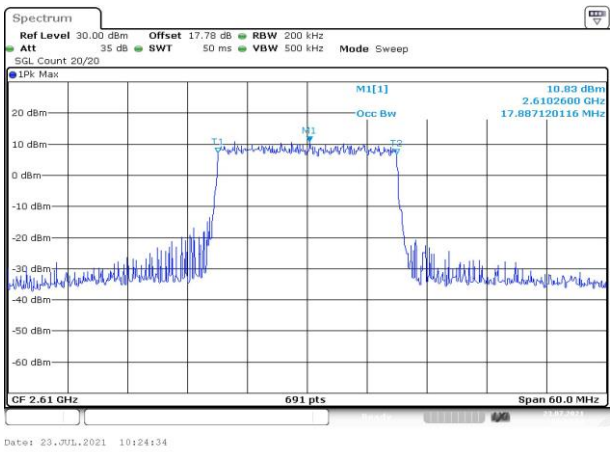


Fig.36

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	
38	2572.5	37775	5	25	0	4.863	Fig.1	4.841	Fig.2	4.841	Fig.3
	2595	38000		25	0	4.797	Fig.4	4.841	Fig.5	4.819	Fig.6
	2617.5	38225		25	0	4.797	Fig.7	4.819	Fig.8	4.819	Fig.9
	2575	37800	10	50	0	9.595	Fig.10	9.551	Fig.11	9.638	Fig.12
	2595	38000		50	0	9.551	Fig.13	9.508	Fig.14	9.638	Fig.15
	2615	38200		50	0	9.508	Fig.16	9.421	Fig.17	9.508	Fig.18
	2577.5	37825	15	75	0	14.327	Fig.19	14.327	Fig.20	14.457	Fig.21
	2595	38000		75	0	14.457	Fig.22	14.392	Fig.23	14.522	Fig.24
	2612.5	38175		75	0	14.653	Fig.25	14.457	Fig.26	14.197	Fig.27
	2580	37850	20	100	0	19.103	Fig.28	19.103	Fig.29	19.103	Fig.30
	2595	38000		100	0	19.103	Fig.31	19.016	Fig.32	19.016	Fig.33
	2610	38150		100	0	19.016	Fig.34	18.755	Fig.35	19.103	Fig.36

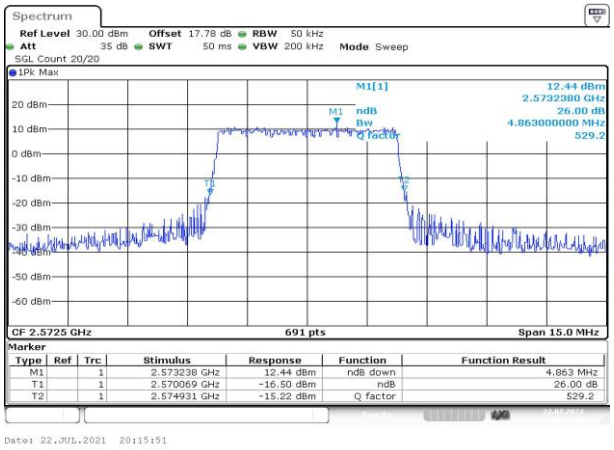
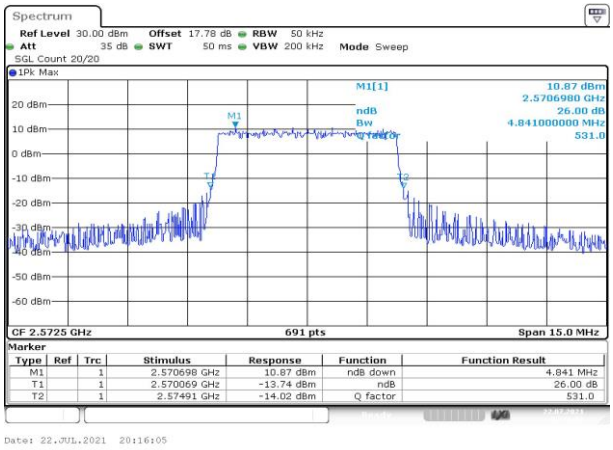


Fig.1



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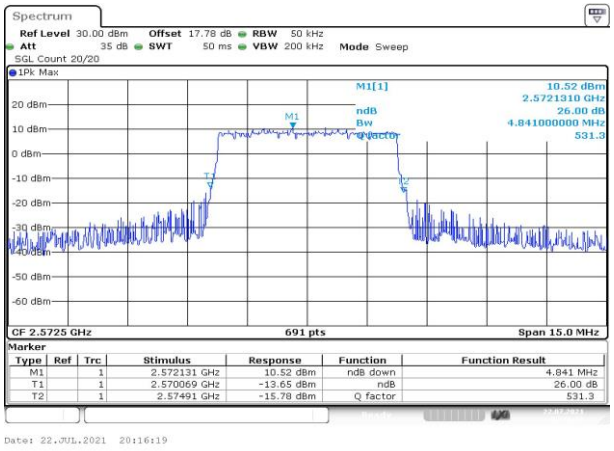
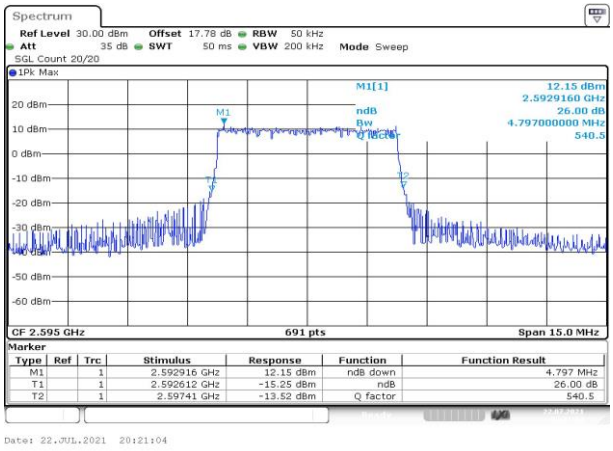


Fig.3



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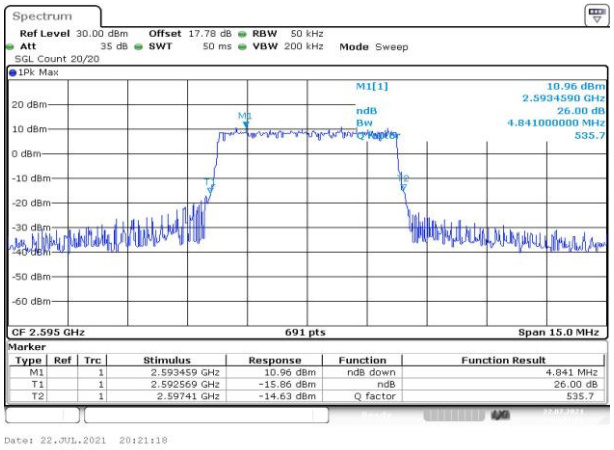


Fig.5

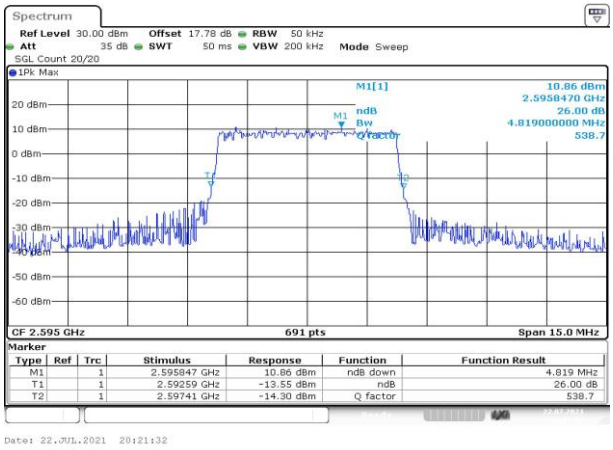


Fig.6

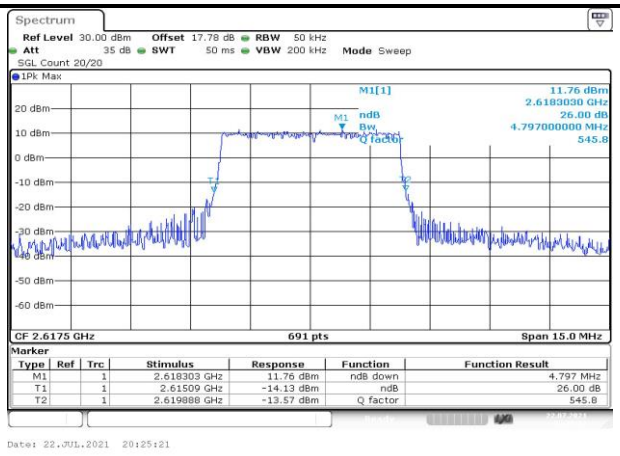


Fig.7

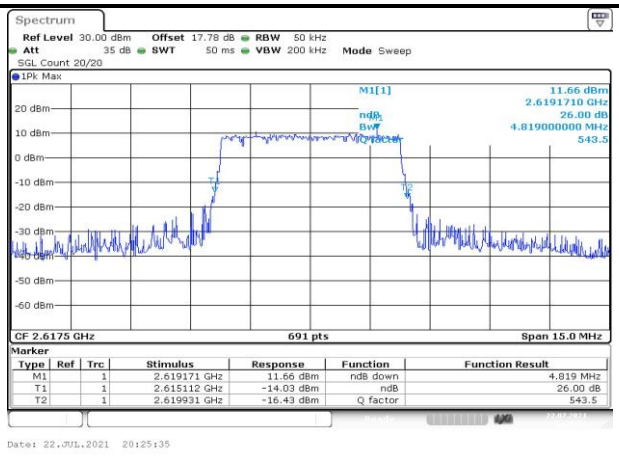


Fig.8

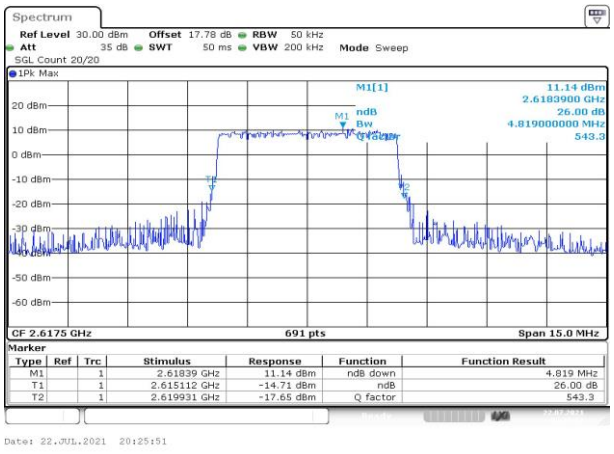


Fig.9

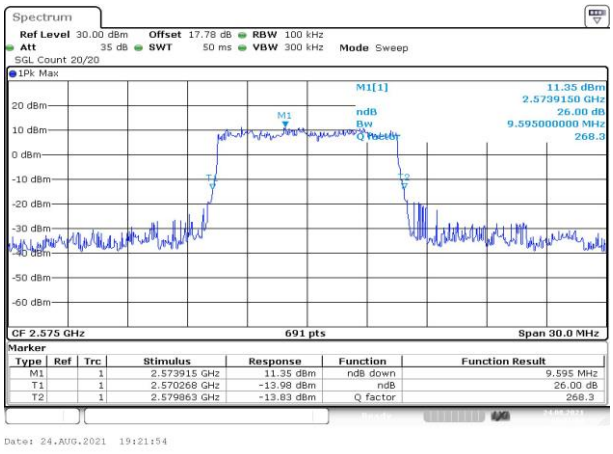


Fig.10

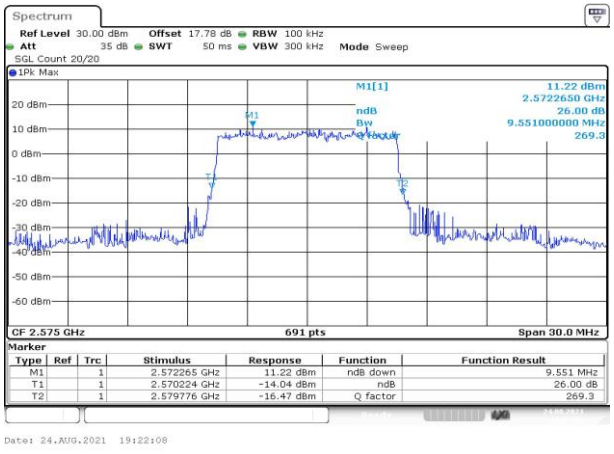


Fig.11

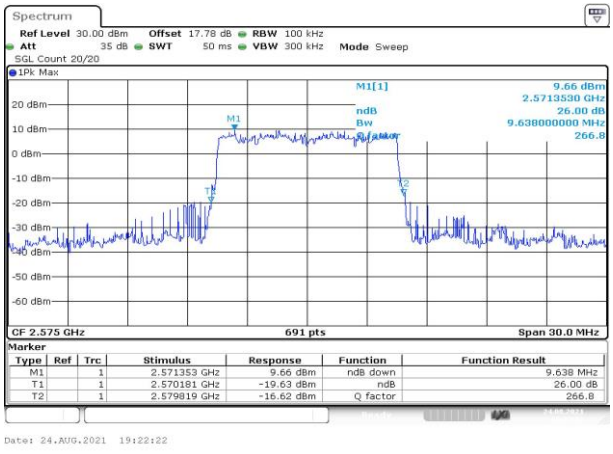


Fig.12

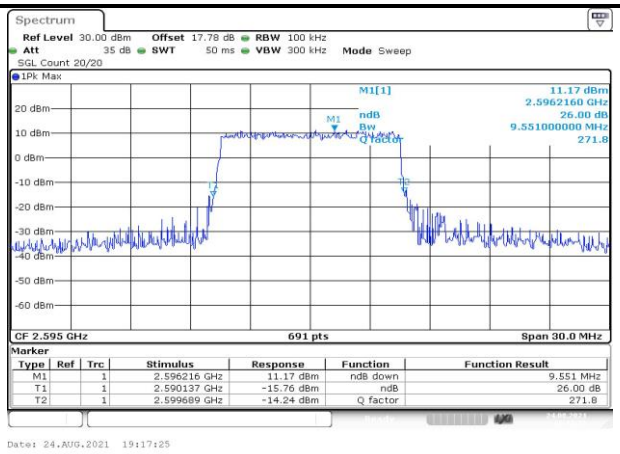
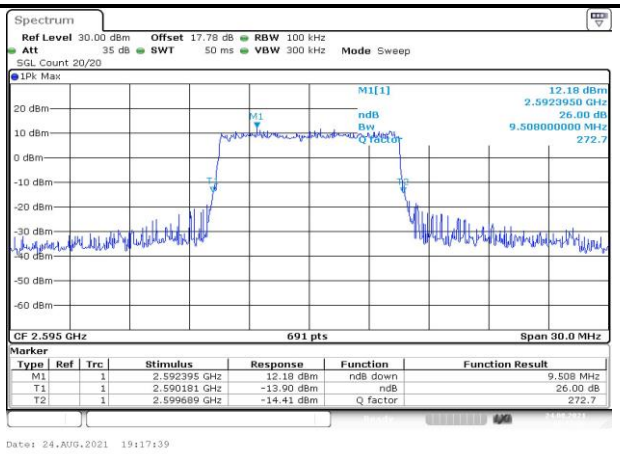


Fig.13



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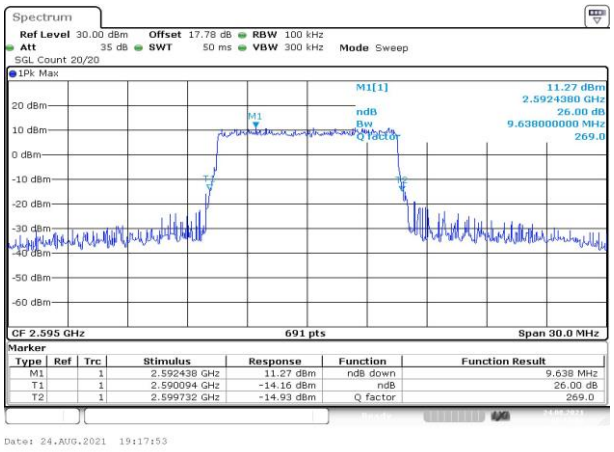

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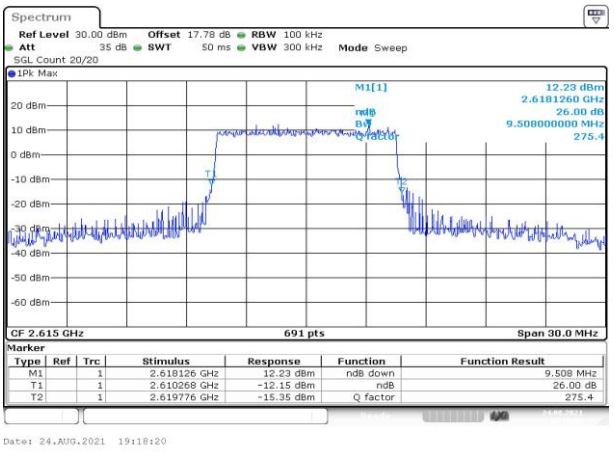


Fig.16

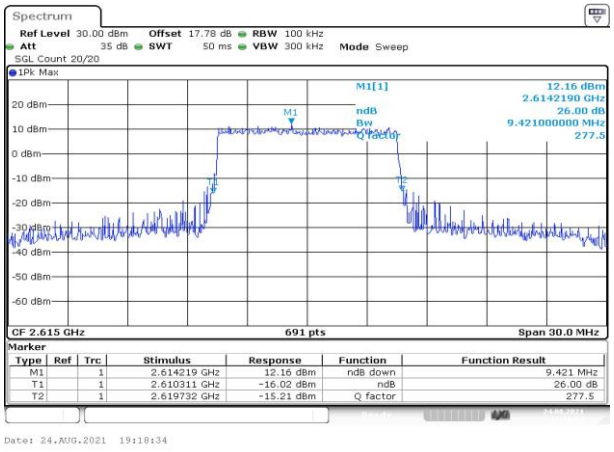
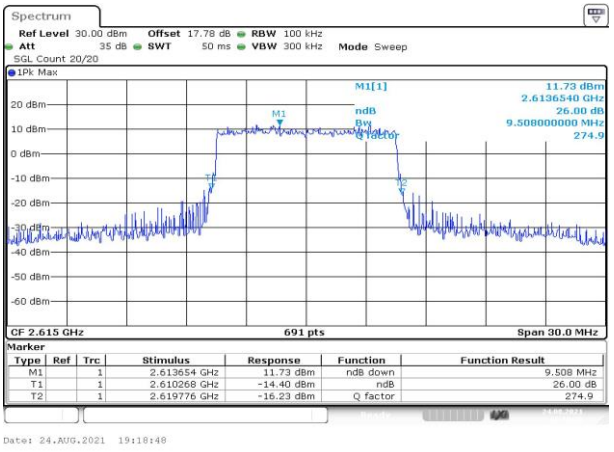


Fig.17



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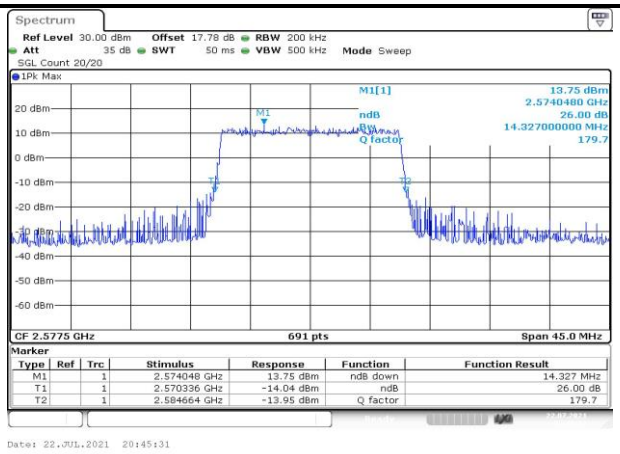


Fig.19

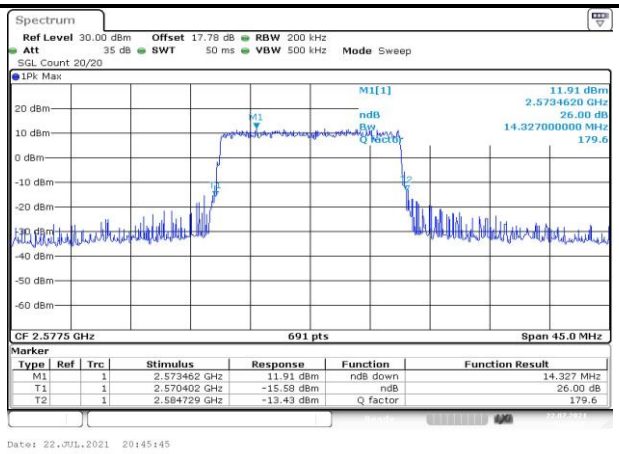
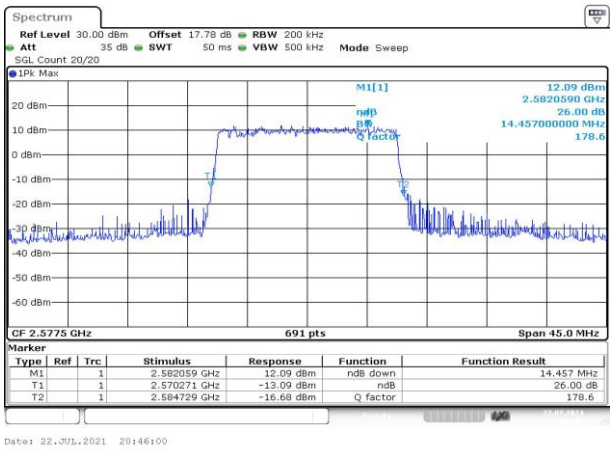


Fig.20



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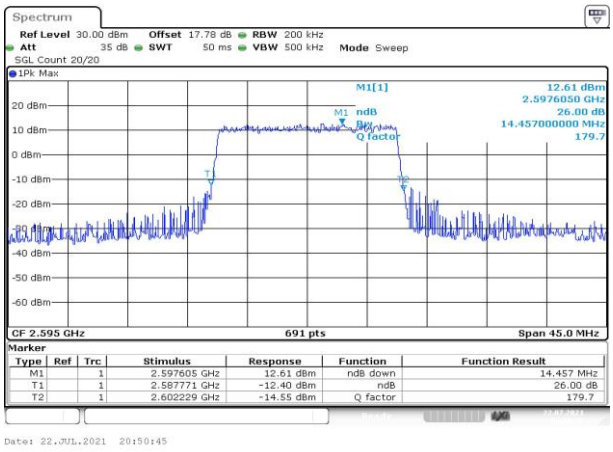


Fig.22

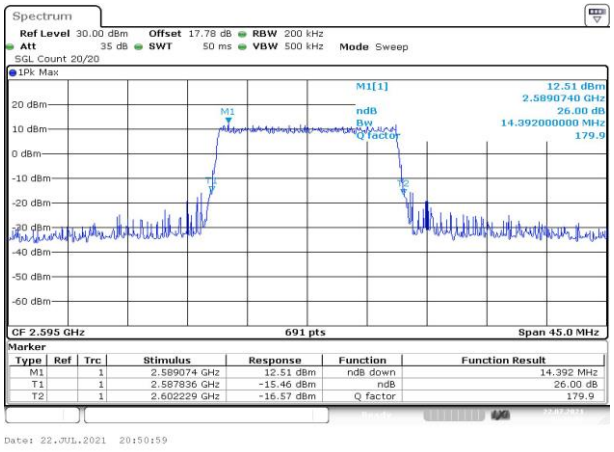
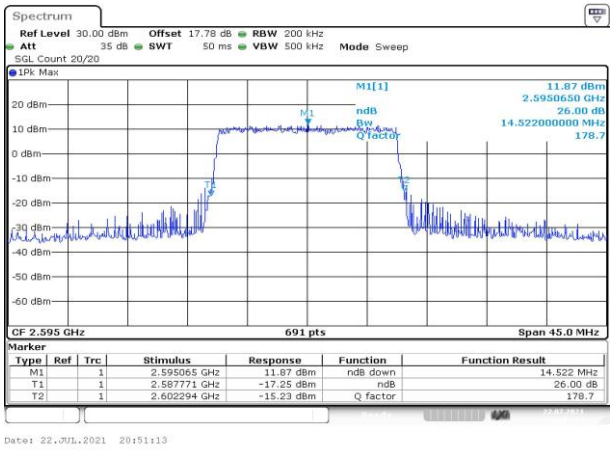


Fig.23



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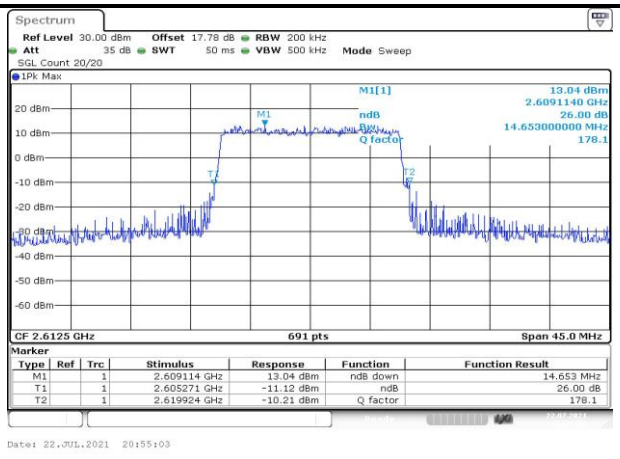

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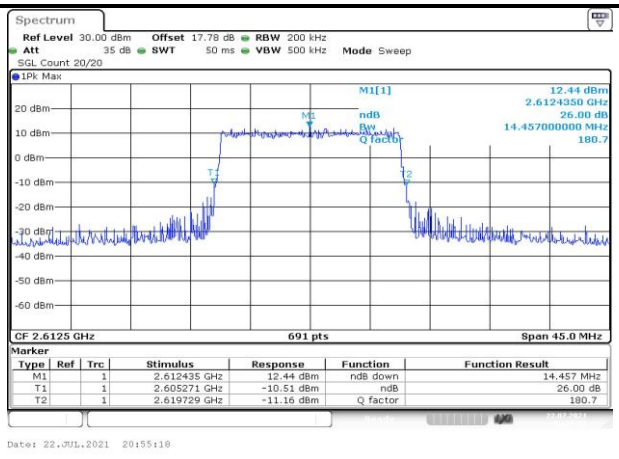


Fig.26

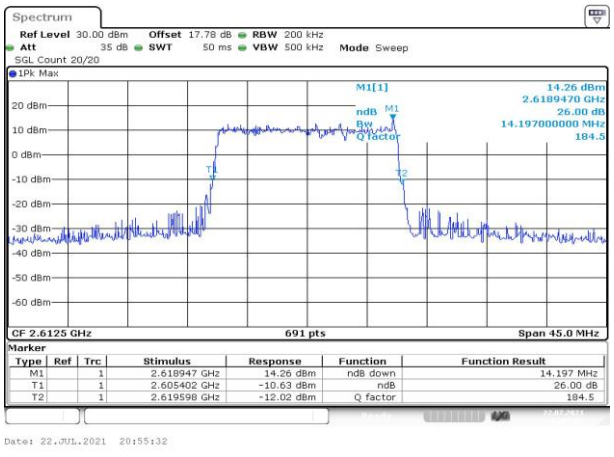


Fig.27

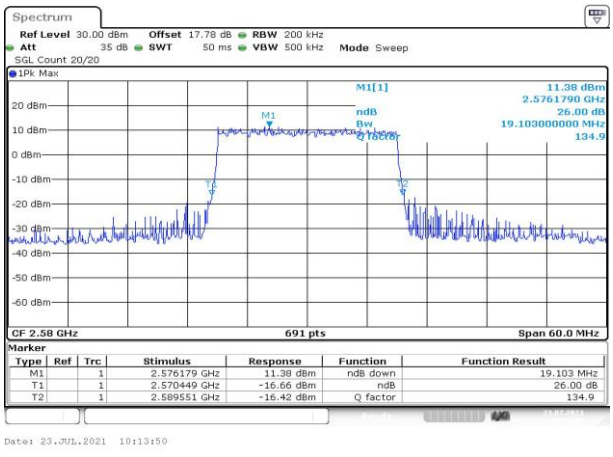


Fig.28

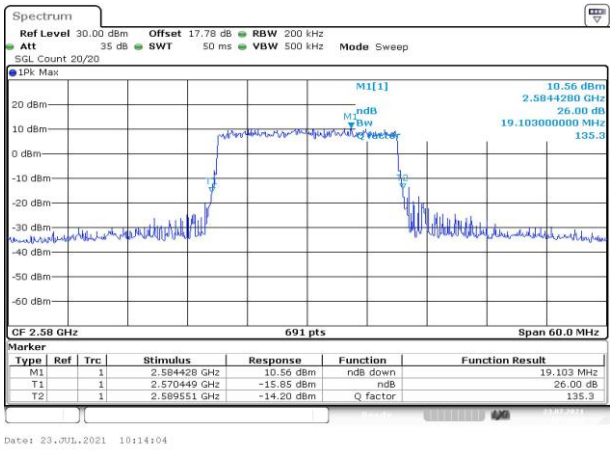
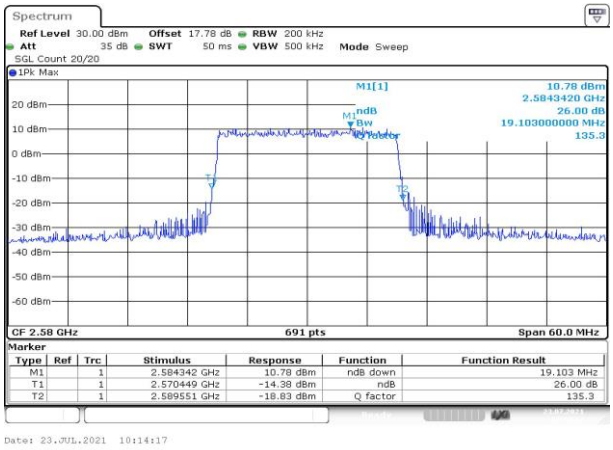


Fig.29



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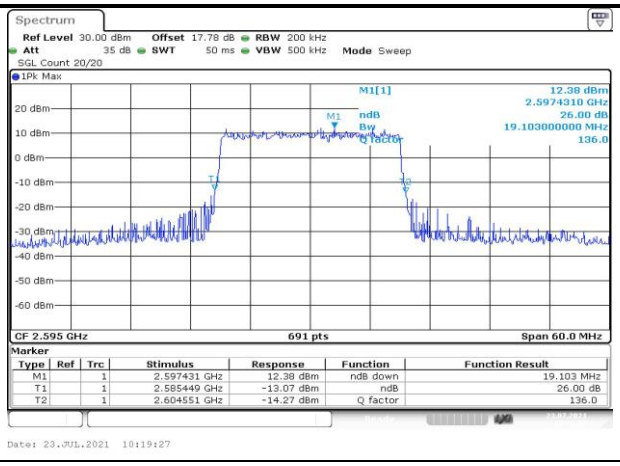

Fig.31

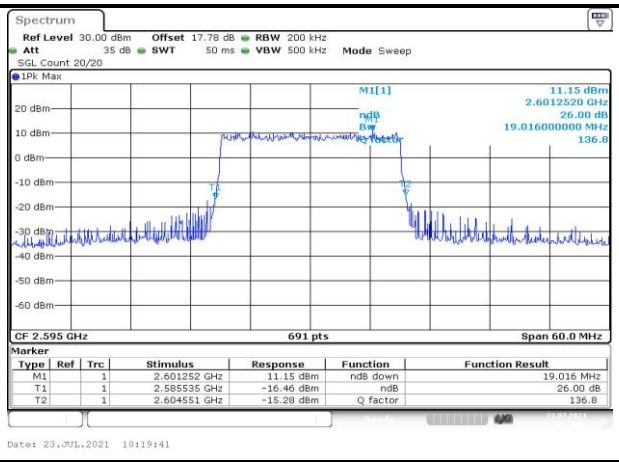

Fig.32

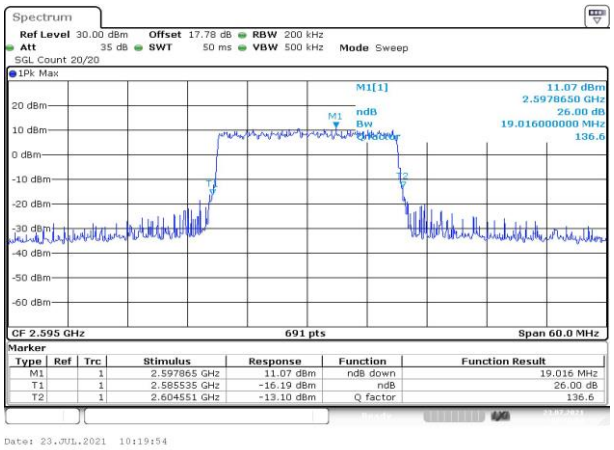

Fig.33

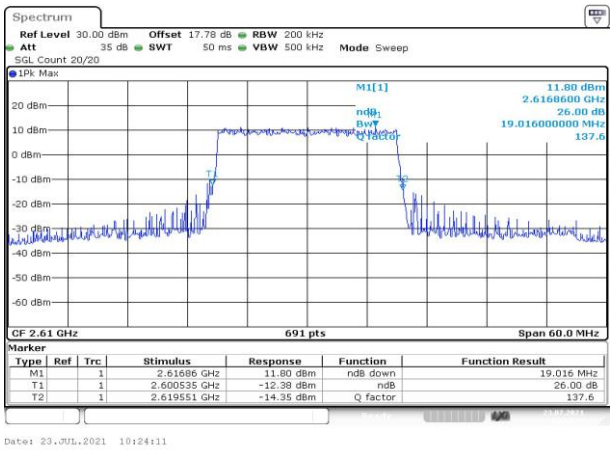

Fig.34

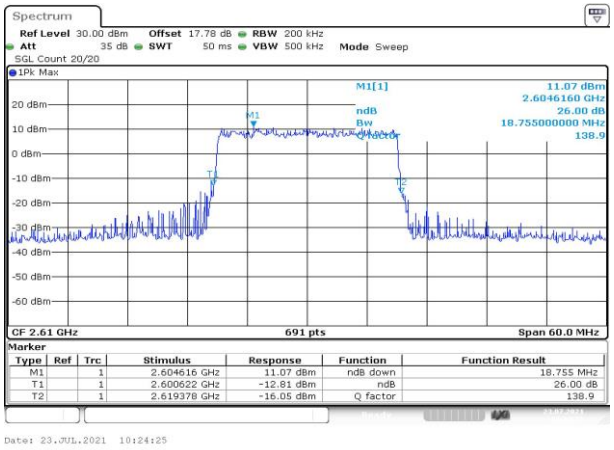

Fig.35

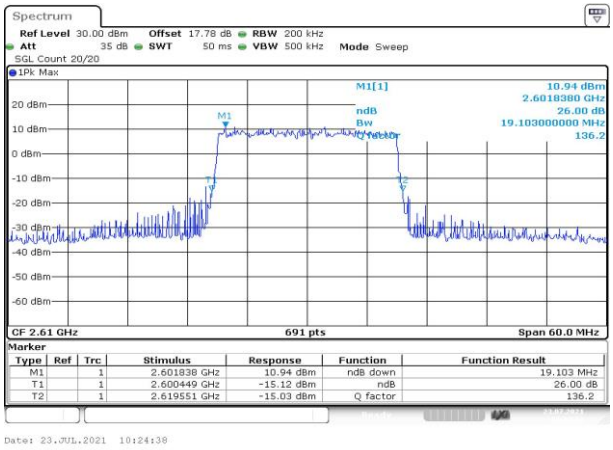

Fig.36

4 Peak-Average Ratio

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

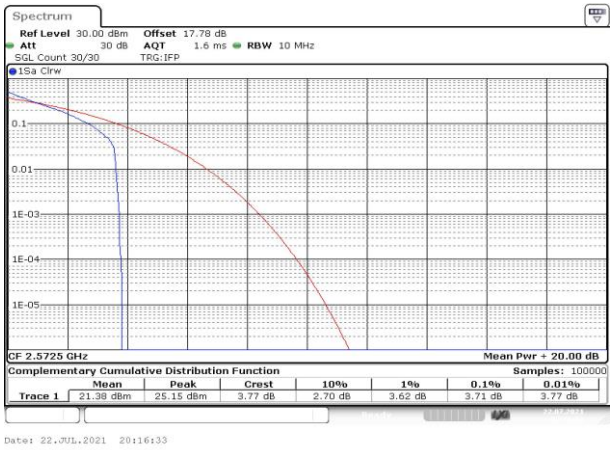

Fig.1

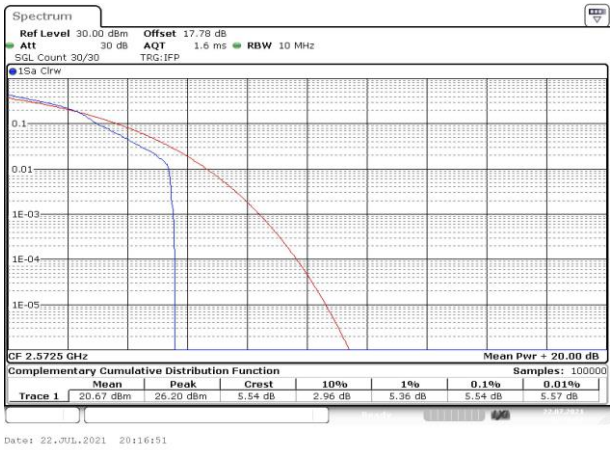

Fig.2

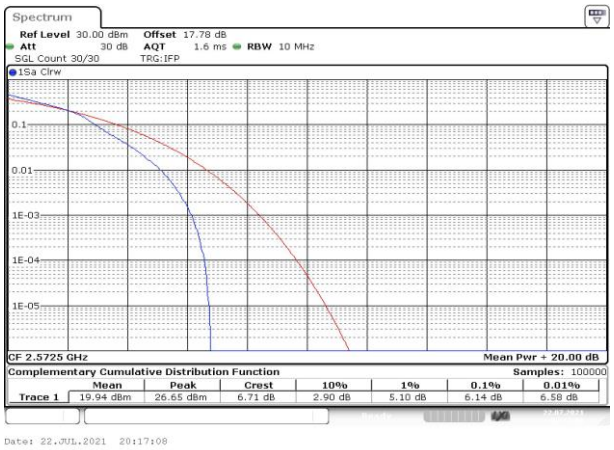

Fig.3

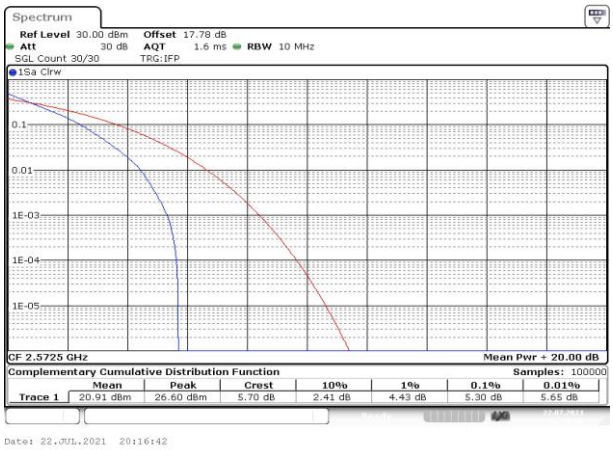

Fig.4

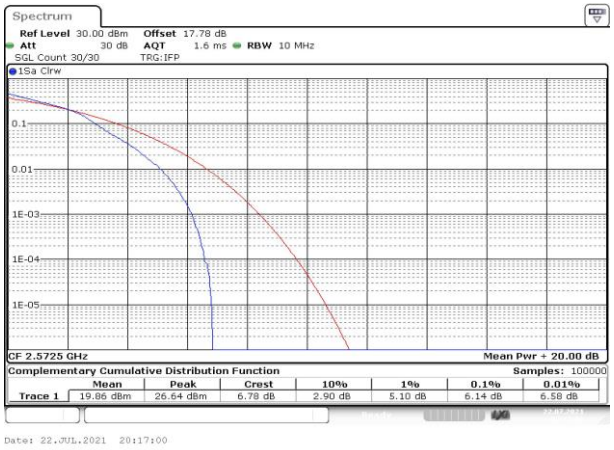

Fig.5

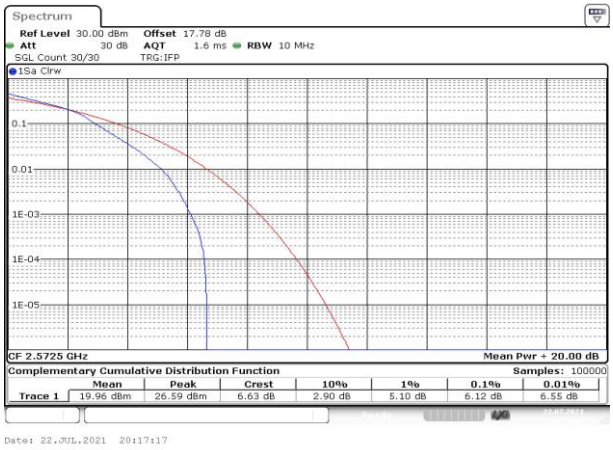

Fig.6

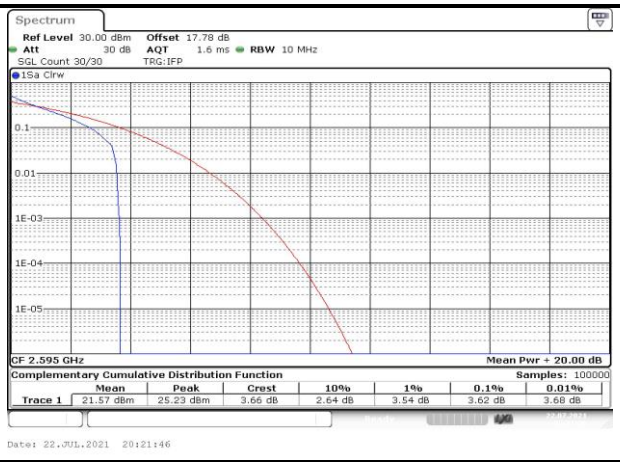

Fig.7

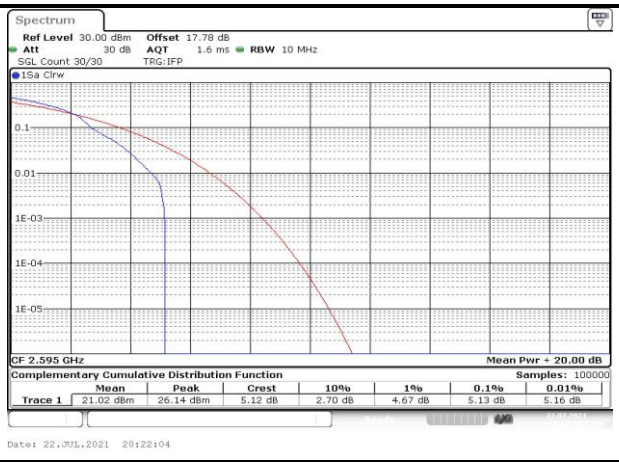

Fig.8

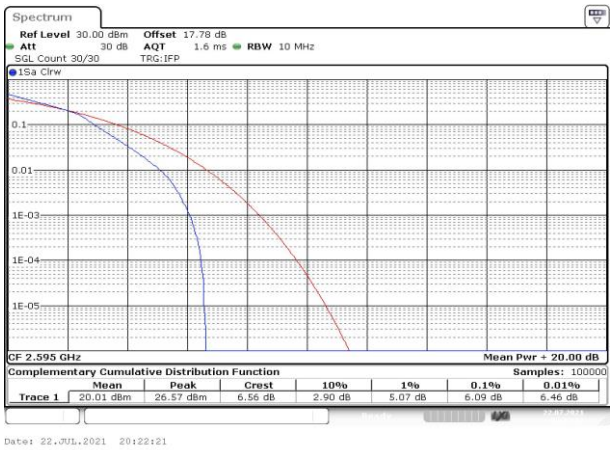

Fig.9

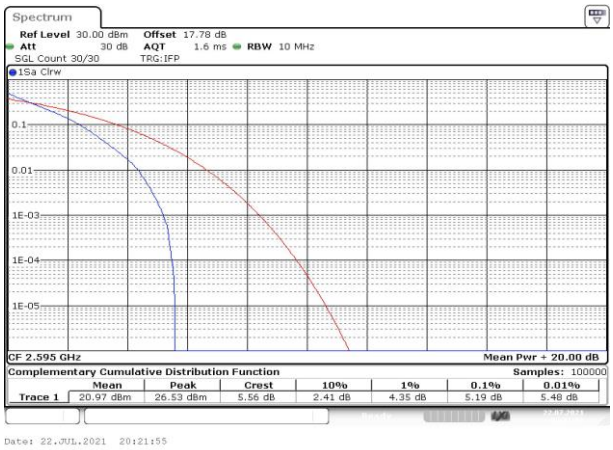

Fig.10

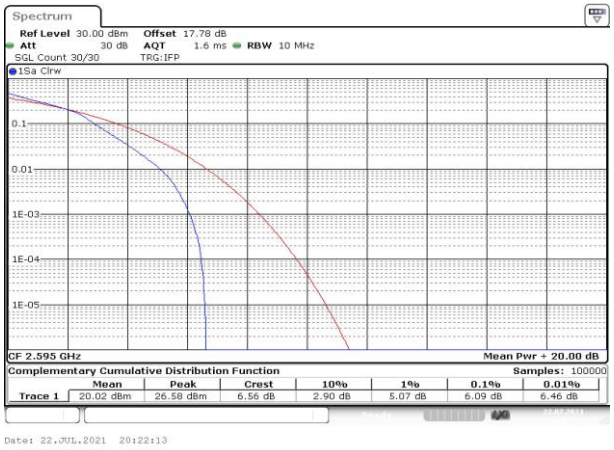

Fig.11

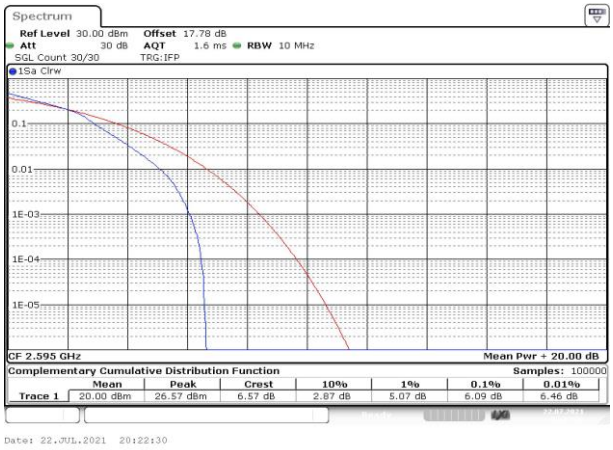

Fig.12