APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 5

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	23.27
				1	3	23.29
				1	5	23.30
				3	0	23.38
				3	1	23.47
				3	3	23.36
				6	0	22.40
	836.5	20525		1	0	22.96
				1	3	23.07
				1	5	23.00
				3	0	23.12
				3	1	23.12
				3	3	23.01
				6	0	21.99
	848.3	20643		1	0	23.19
				1	3	23.15
				1	5	23.21
				3	0	23.27
				3	1	23.22
				3	3	23.16
				6	0	22.19
16QAM	824.7	20407		1	0	22.40
				1	3	22.41
				1	5	22.48
				3	0	22.44
				3	1	22.50
				3	3	22.45
				6	0	21.29
	836.5	20525		1	0	22.08
				1	3	22.02
				1	5	22.06
				3	0	22.35
				3	1	22.33
				3	3	22.18
				6	0	20.99
	848.3	20643		1	0	22.29
				1	3	22.33
				1	5	22.28
				3	0	22.13
				3	1	22.19
				3	3	22.21
				6	0	21.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	824.7	20407	1.4	1	0	21.30
				1	3	21.24
				1	5	21.37
				3	0	21.26
				3	1	21.24
				3	3	21.28
				6	0	21.30
	836.5	20525		1	0	21.02
				1	3	21.12
				1	5	20.99
				3	0	21.00
				3	1	21.15
				3	3	21.03
				6	0	21.08
	848.3	20643		1	0	21.20
				1	3	21.25
				1	5	21.30
				3	0	21.31
				3	1	21.26
				3	3	21.20
				6	0	21.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	22.86
				1	8	22.83
				1	14	22.84
				8	0	21.95
				8	4	21.89
				8	7	21.85
				15	0	21.91
	836.5	20525		1	0	23.06
				1	8	23.11
				1	14	23.11
				8	0	22.05
				8	4	22.02
				8	7	22.06
				15	0	22.09
	847.5	20635		1	0	23.23
				1	8	23.19
				1	14	23.18
				8	0	22.25
				8	4	22.25
				8	7	22.20
				15	0	22.20
16QAM	825.5	20415		1	0	22.43
				1	8	22.52
				1	14	22.56
				8	0	21.03
				8	4	21.12
				8	7	21.11
				15	0	20.95
	836.5	20525		1	0	22.19
				1	8	22.17
				1	14	22.25
				8	0	21.05
				8	4	21.10
				8	7	21.11
				15	0	21.01
	847.5	20635		1	0	22.35
				1	8	22.22
				1	14	22.32
				8	0	21.24
				8	4	21.22
				8	7	21.22
				15	0	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	825.5	20415	3	1	0	20.94
				1	8	20.97
				1	14	20.95
				8	0	20.96
				8	4	20.95
				8	7	20.94
				15	0	20.96
	836.5	20525		1	0	20.99
				1	8	21.02
				1	14	21.00
				8	0	21.01
				8	4	21.00
				8	7	20.98
				15	0	21.01
	847.5	20635		1	0	21.31
				1	8	21.25
				1	14	21.30
				8	0	21.27
				8	4	21.26
				8	7	21.27
				15	0	21.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	22.80
				1	12	22.85
				1	24	22.80
				12	0	21.87
				12	7	21.96
				12	13	21.91
				25	0	21.99
	836.5	20525		1	0	22.96
				1	12	22.96
				1	24	22.94
				12	0	22.07
				12	7	22.02
				12	13	22.01
				25	0	22.04
	846.5	20625		1	0	23.10
				1	12	23.10
				1	24	23.13
				12	0	22.18
				12	7	22.20
				12	13	22.21
				25	0	22.21
16QAM	826.5	20425		1	0	21.73
				1	12	21.77
				1	24	21.76
				12	0	20.91
				12	7	20.86
				12	13	20.93
				25	0	20.92
	836.5	20525		1	0	22.24
				1	12	22.27
				1	24	22.27
				12	0	21.09
				12	7	21.02
				12	13	21.06
				25	0	21.08
	846.5	20625		1	0	22.15
				1	12	22.13
				1	24	22.10
				12	0	21.03
				12	7	21.13
				12	13	21.12
				25	0	21.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	826.5	20425	5	1	0	20.97
				1	12	20.96
				1	24	20.95
				12	0	20.95
				12	7	21.02
				12	13	21.03
				25	0	20.93
	836.5	20525		1	0	21.02
				1	12	21.02
				1	24	21.03
				12	0	21.09
				12	7	21.08
				12	13	21.10
				25	0	21.12
	846.5	20625		1	0	21.20
				1	12	21.21
				1	24	21.21
				12	0	21.27
				12	7	21.24
				12	13	21.24
				25	0	21.22

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	22.80
				1	25	22.97
				1	49	22.96
				25	0	21.89
				25	12	21.91
				25	25	21.89
				50	0	21.95
	836.5	20525		1	0	22.99
				1	25	23.11
				1	49	23.08
				25	0	22.06
				25	12	22.05
				25	25	22.05
				50	0	22.11
	844	20600		1	0	23.03
				1	25	23.09
				1	49	23.12
				25	0	22.04
				25	12	22.19
				25	25	22.21
				50	0	22.18
16QAM	829	20450		1	0	22.43
				1	25	22.54
				1	49	22.54
				25	0	21.01
				25	12	21.07
				25	25	21.04
				50	0	21.00
	836.5	20525		1	0	22.11
				1	25	22.22
				1	49	22.21
				25	0	21.13
				25	12	21.02
				25	25	21.11
				50	0	21.07
	844	20600		1	0	22.22
				1	25	22.22
				1	49	22.28
				25	0	21.25
				25	12	21.29
				25	25	21.30
				50	0	21.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	829	20450	10	1	0	20.95
				1	25	20.91
				1	49	20.98
				25	0	20.99
				25	12	21.00
				25	25	20.92
				50	0	20.99
	836.5	20525		1	0	21.07
				1	25	21.07
				1	49	21.15
				25	0	21.12
				25	12	21.14
				25	25	21.13
				50	0	21.13
	844	20600		1	0	21.24
				1	25	21.15
				1	49	21.23
				25	0	21.22
				25	12	21.21
				25	25	21.21
				50	0	21.23

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
5	824.7	20407	1.4	6	0	1.088	Fig.1	1.082	Fig.2	1.082	Fig.3
	836.5	20525		6	0	1.082	Fig.4	1.088	Fig.5	1.088	Fig.6
	848.3	20643		6	0	1.088	Fig.7	1.082	Fig.8	1.082	Fig.9
	825.5	20415	3	15	0	2.683	Fig.10	2.683	Fig.11	2.657	Fig.12
	836.5	20525		15	0	2.683	Fig.13	2.670	Fig.14	2.683	Fig.15
	847.5	20635		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	826.5	20425	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	836.5	20525		25	0	4.493	Fig.22	4.493	Fig.23	4.472	Fig.24
	846.5	20625		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	829	20450	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	836.5	20525		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	844	20600		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36

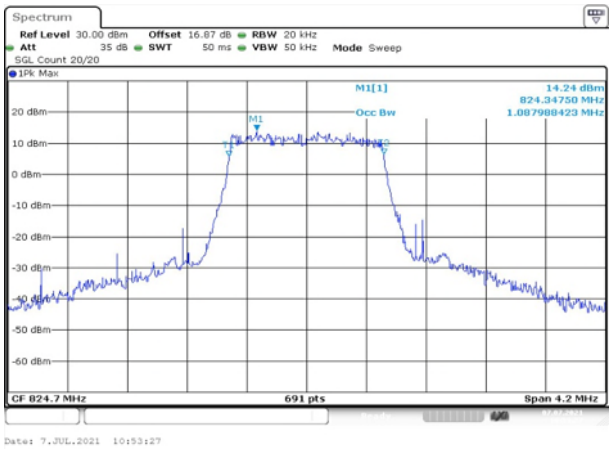


Fig.1

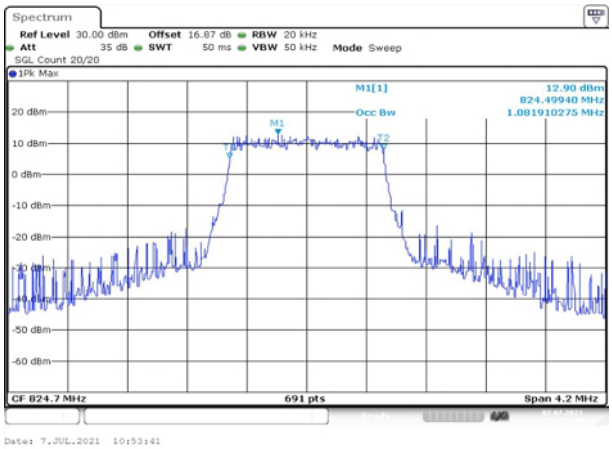


Fig.2

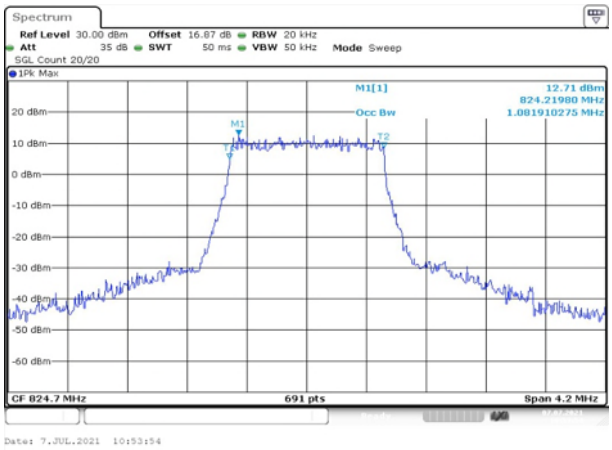


Fig.3

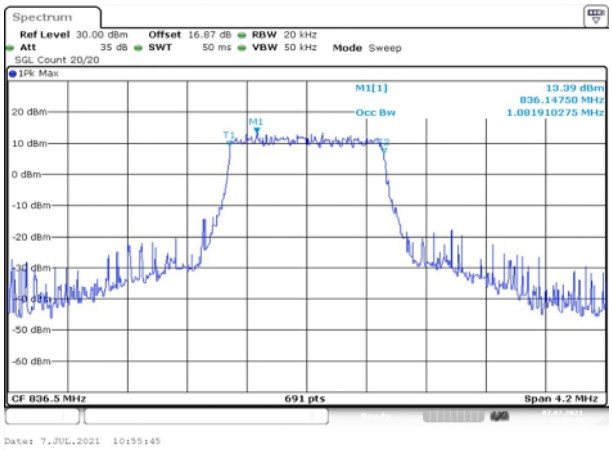


Fig.4

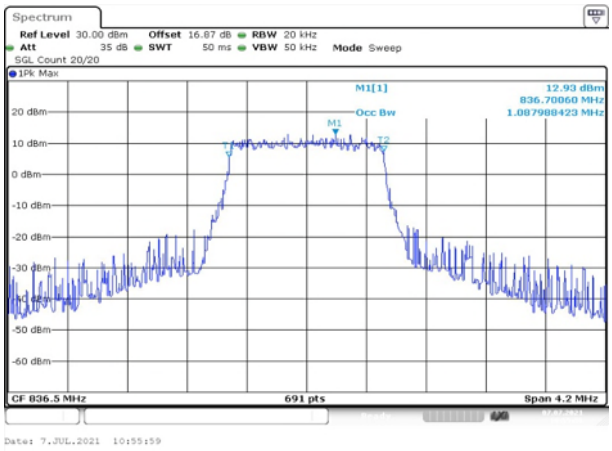


Fig.5

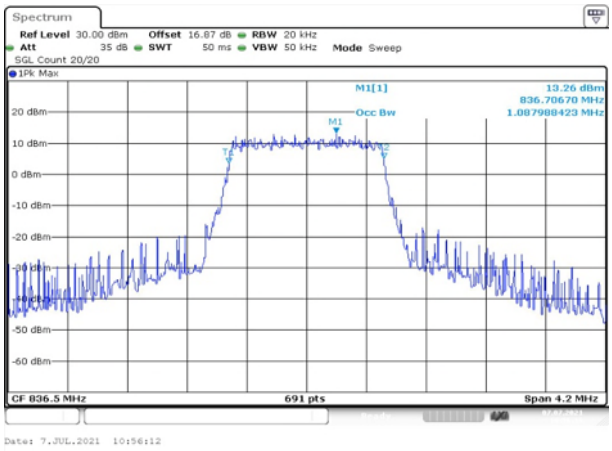


Fig.6

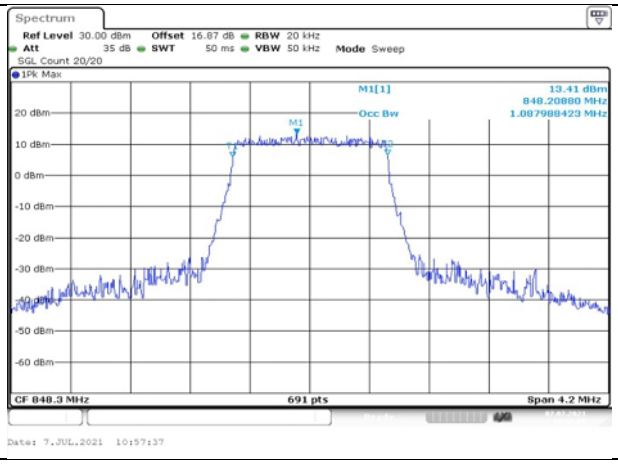


Fig.7

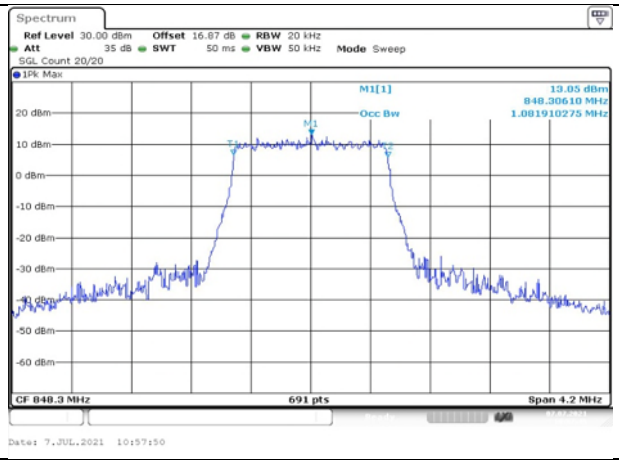


Fig.8

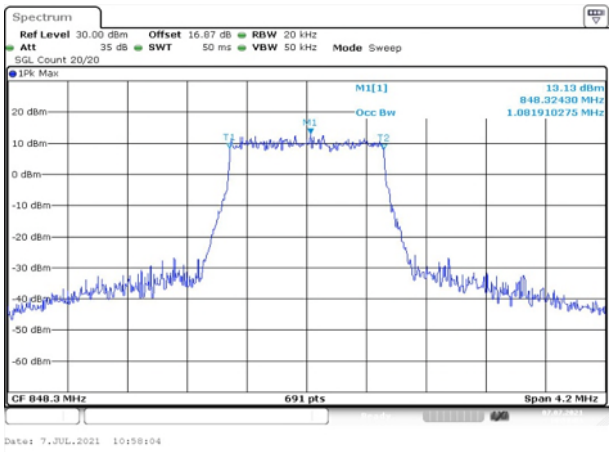


Fig.9

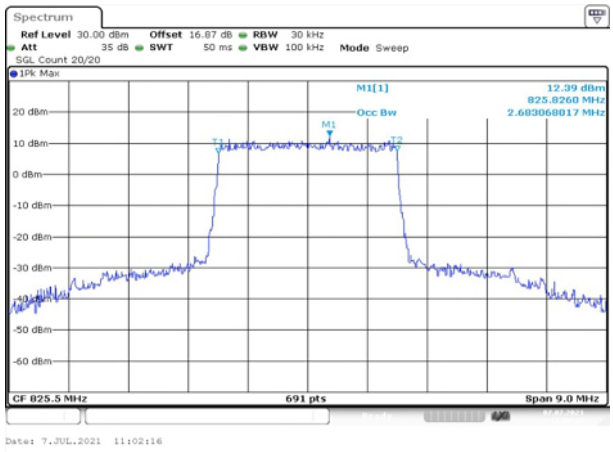


Fig.10

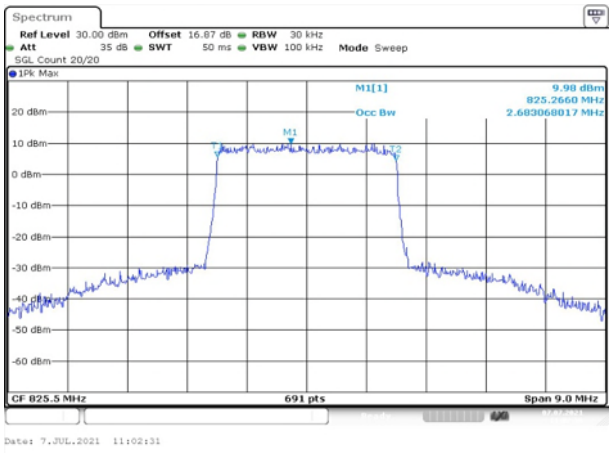


Fig.11

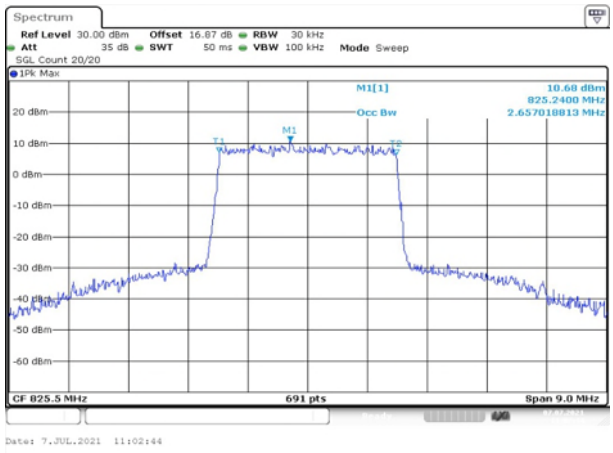


Fig.12

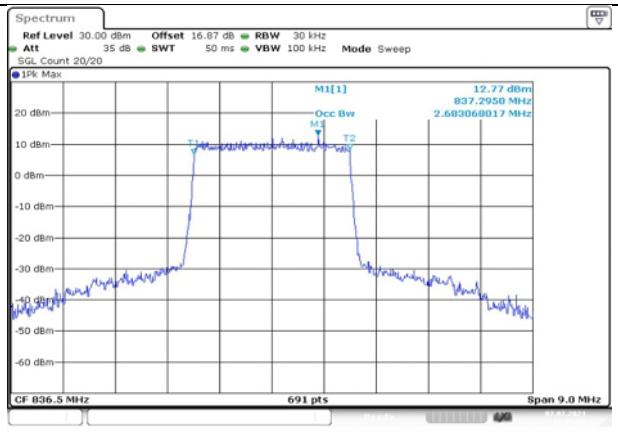


Fig.13

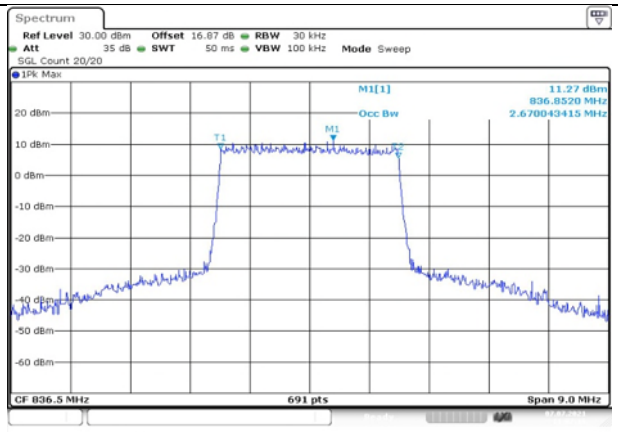


Fig.14

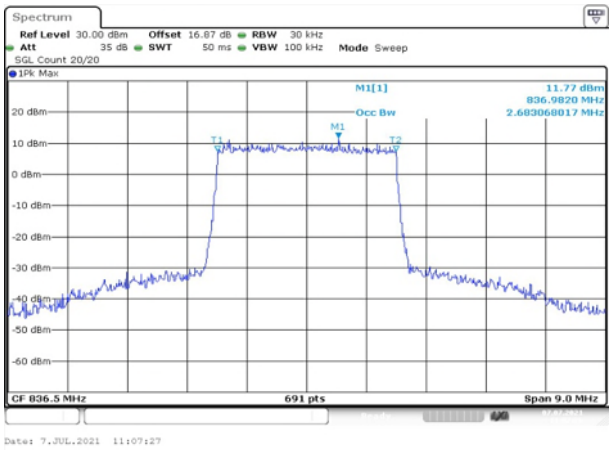


Fig.15

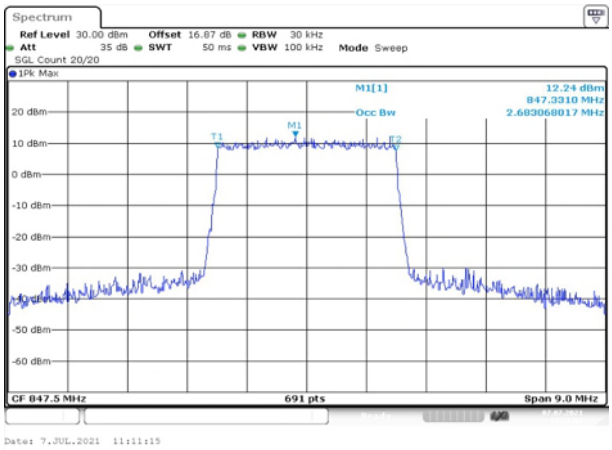


Fig.16

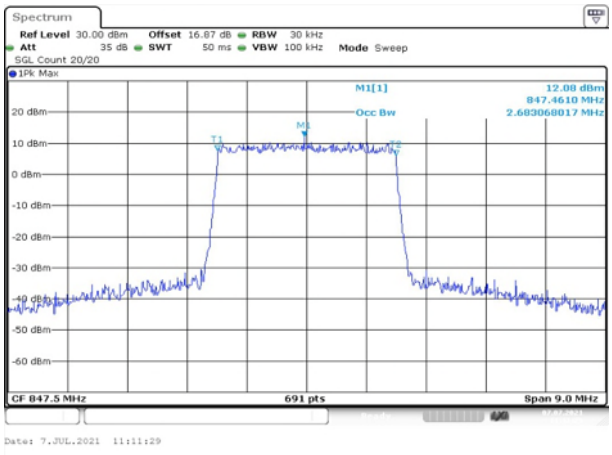


Fig.17

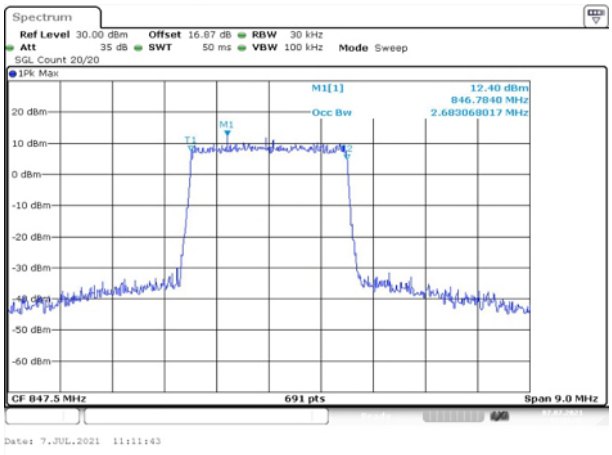


Fig.18

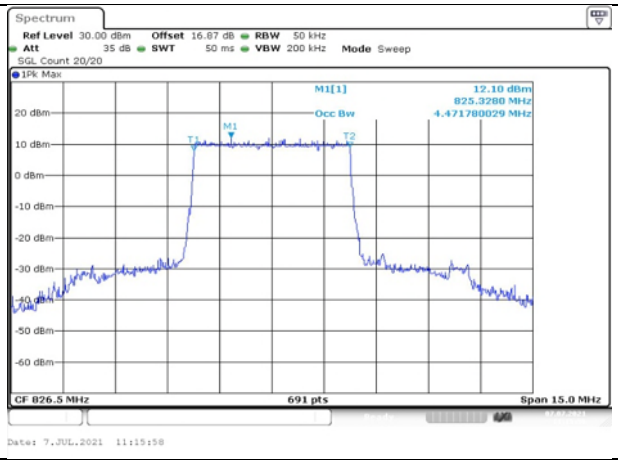


Fig.19

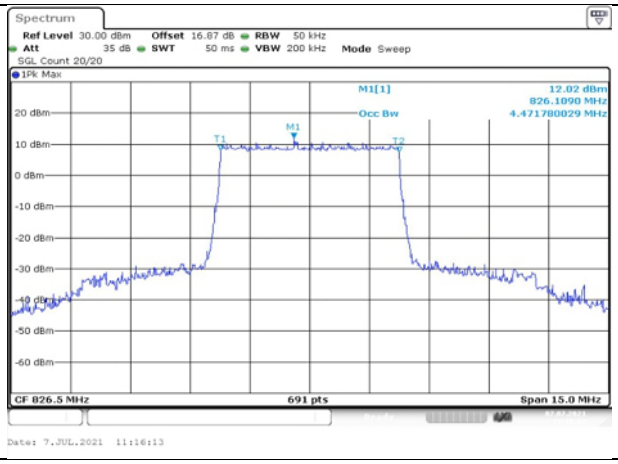


Fig.20

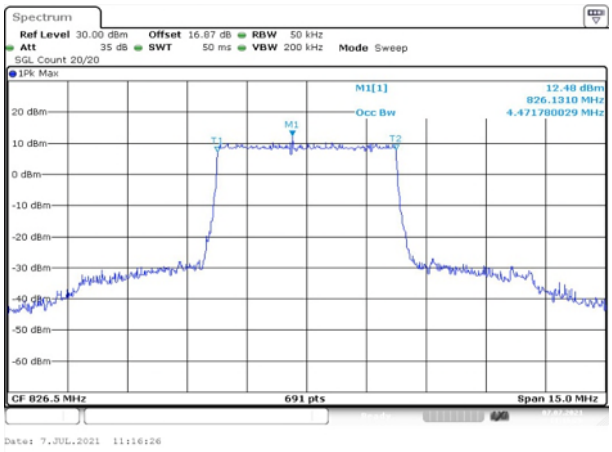


Fig.21

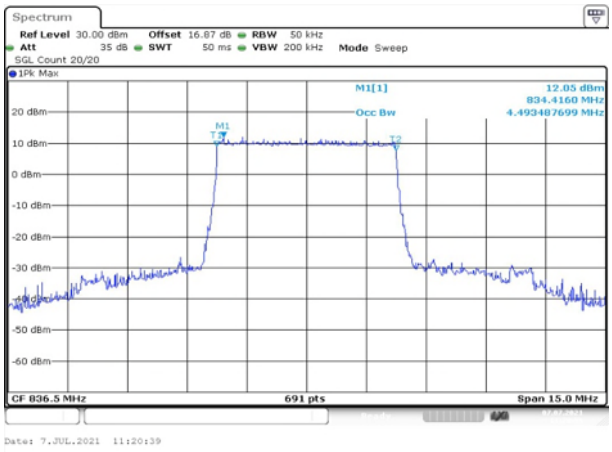


Fig.22

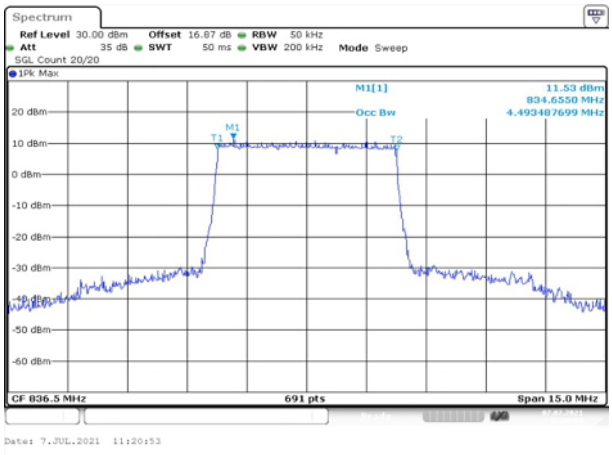


Fig.23

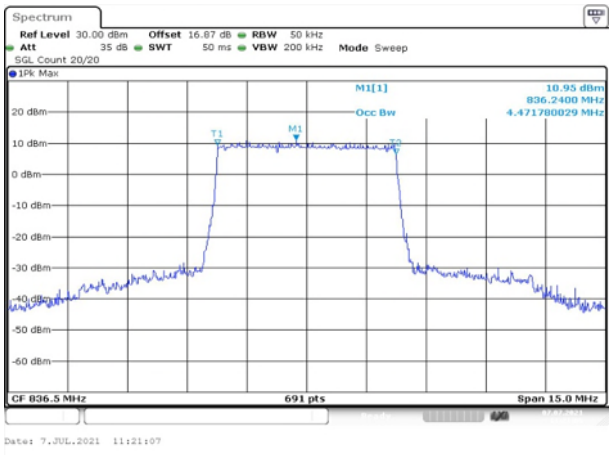
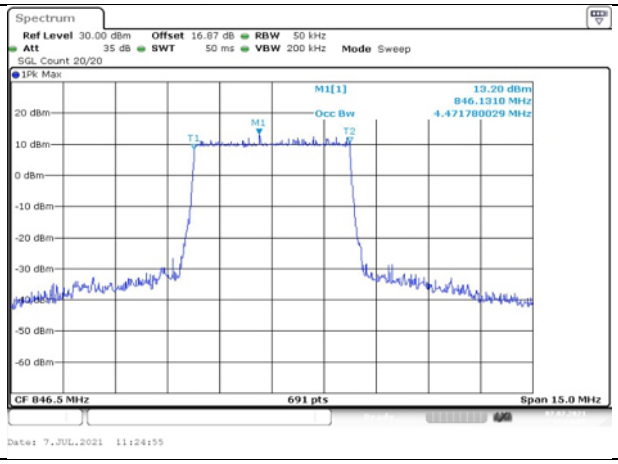


Fig.24



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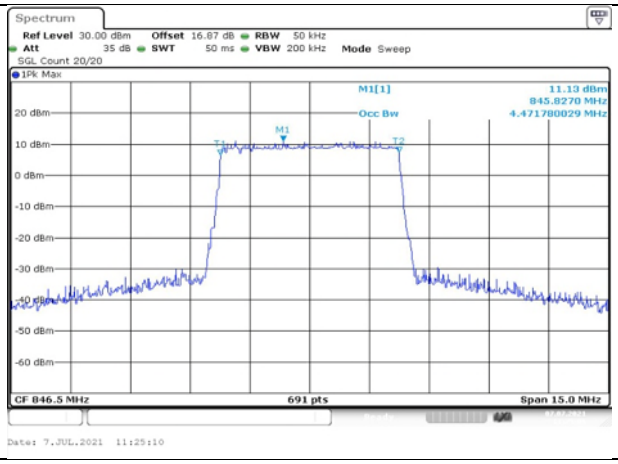


Fig.26

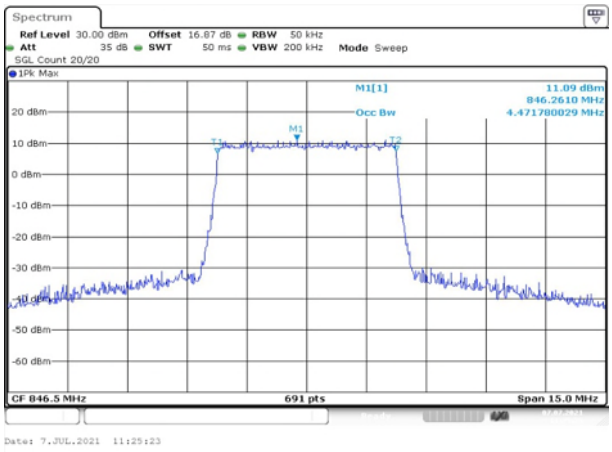


Fig.27

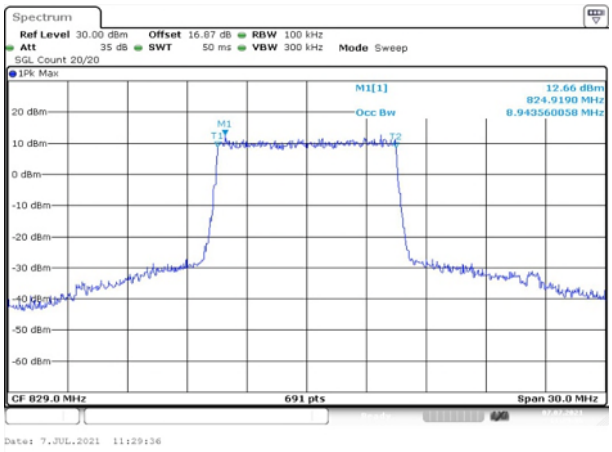


Fig.28

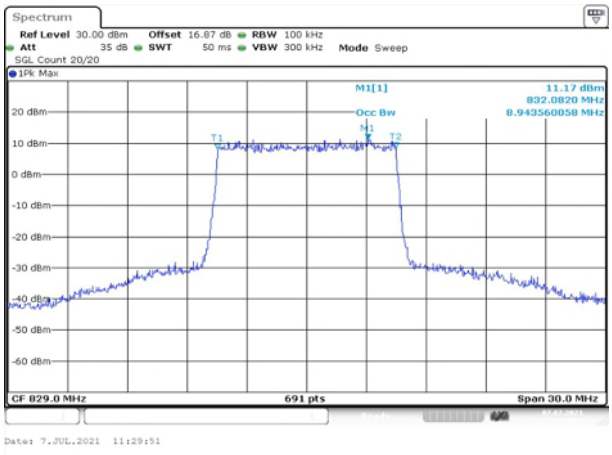
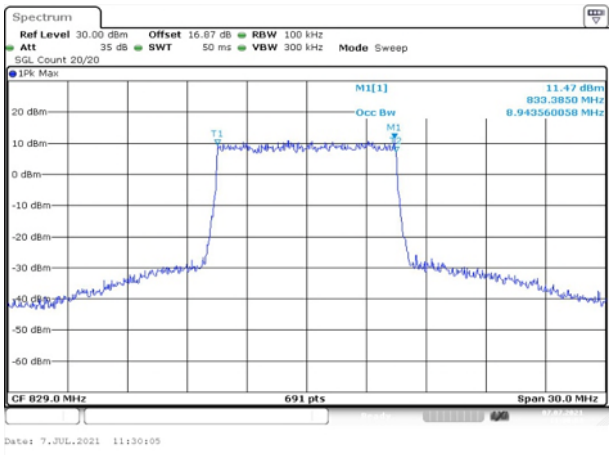


Fig.29



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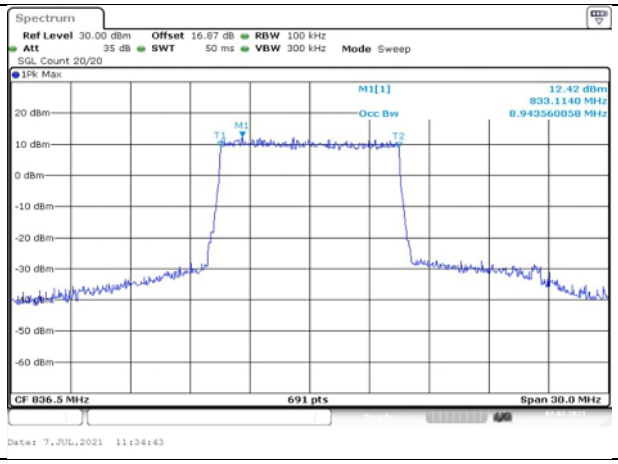

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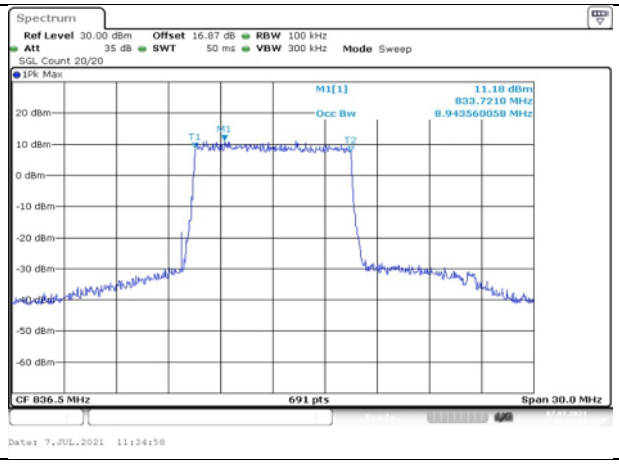

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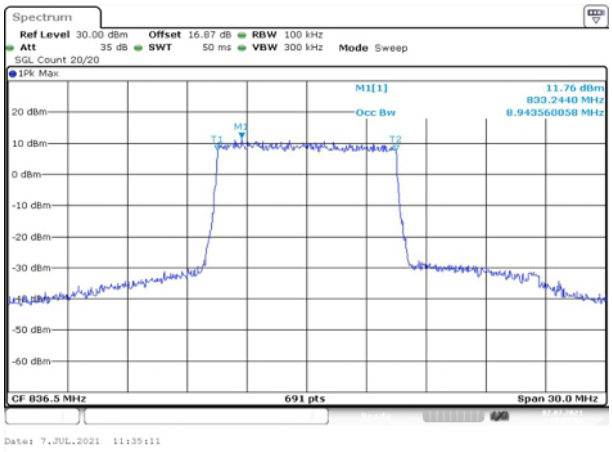

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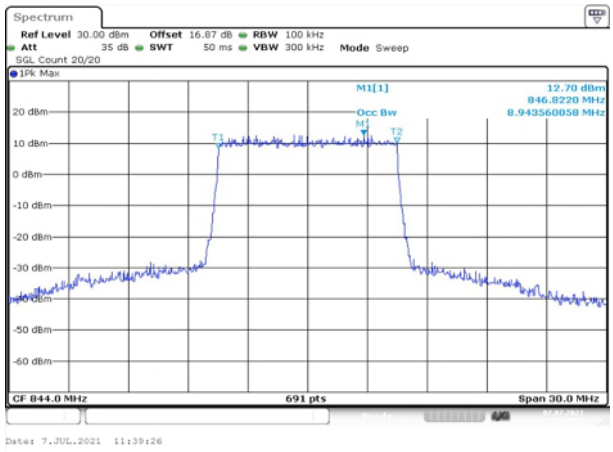

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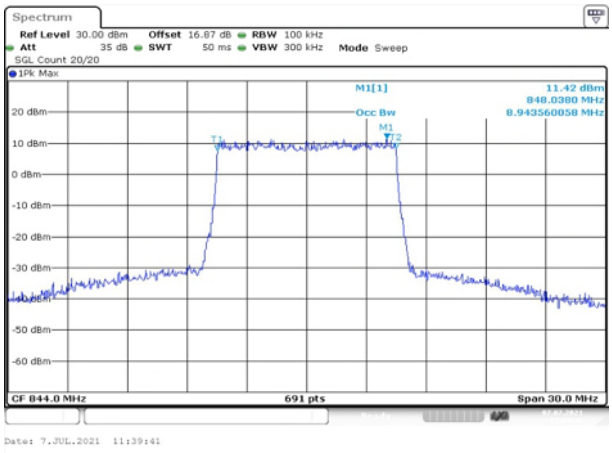

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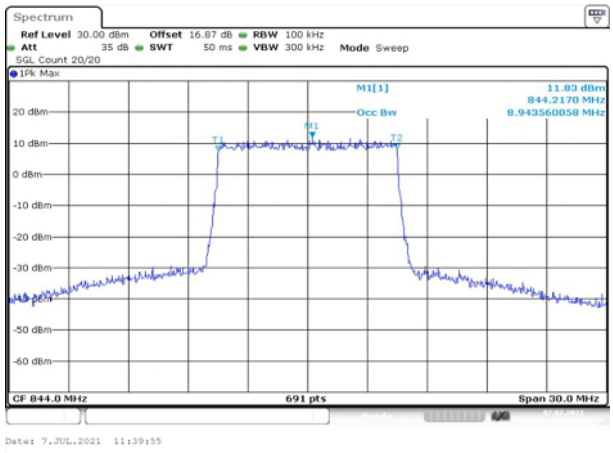


Fig.36

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	
5	824.7	20407	1.4	6	0	1.240	Fig.1	1.252	Fig.2	1.246	Fig.3
	836.5	20525		6	0	1.234	Fig.4	1.258	Fig.5	1.258	Fig.6
	848.3	20643		6	0	1.258	Fig.7	1.234	Fig.8	1.234	Fig.9
	825.5	20415	3	15	0	2.852	Fig.10	2.865	Fig.11	2.852	Fig.12
	836.5	20525		15	0	2.865	Fig.13	2.878	Fig.14	2.852	Fig.15
	847.5	20635		15	0	2.852	Fig.16	2.852	Fig.17	2.852	Fig.18
	826.5	20425	5	25	0	4.776	Fig.19	4.776	Fig.20	4.841	Fig.21
	836.5	20525		25	0	4.841	Fig.22	4.776	Fig.23	4.819	Fig.24
	846.5	20625		25	0	4.819	Fig.25	4.819	Fig.26	4.841	Fig.27
	829	20450	10	50	0	9.551	Fig.28	9.508	Fig.29	9.465	Fig.30
	836.5	20525		50	0	9.551	Fig.31	9.508	Fig.32	9.465	Fig.33
	844	20600		50	0	9.551	Fig.34	9.508	Fig.35	9.508	Fig.36

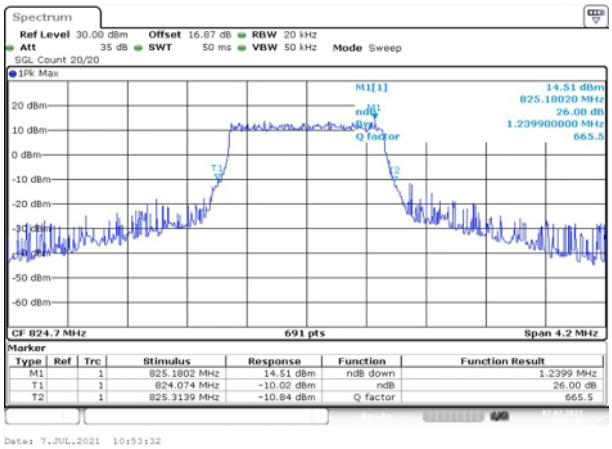


Fig.1

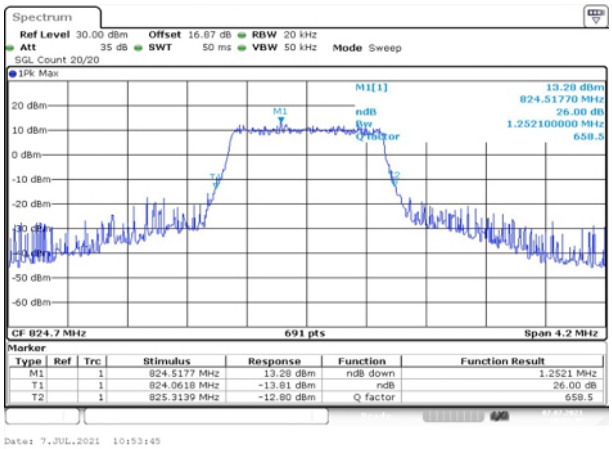
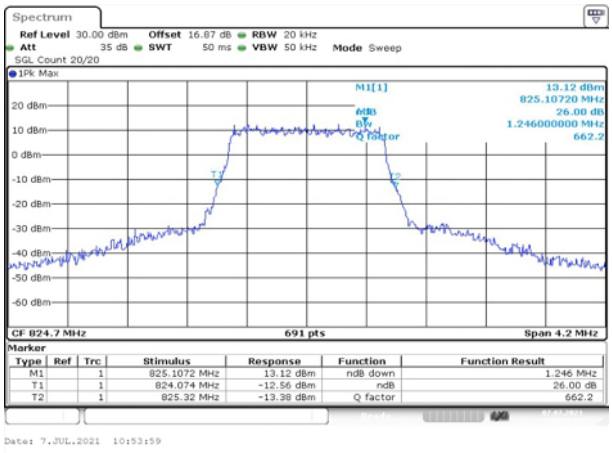


Fig.2



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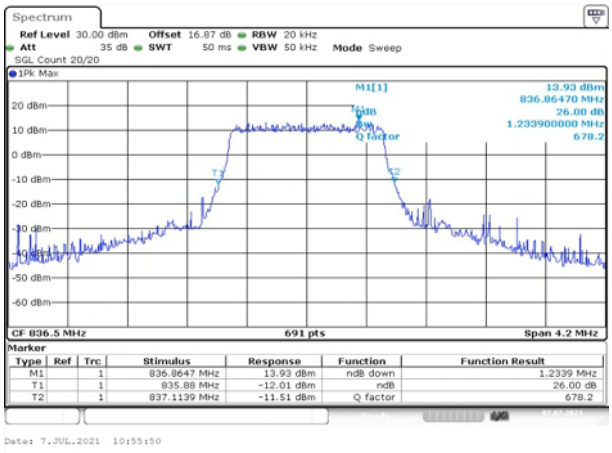


Fig.4

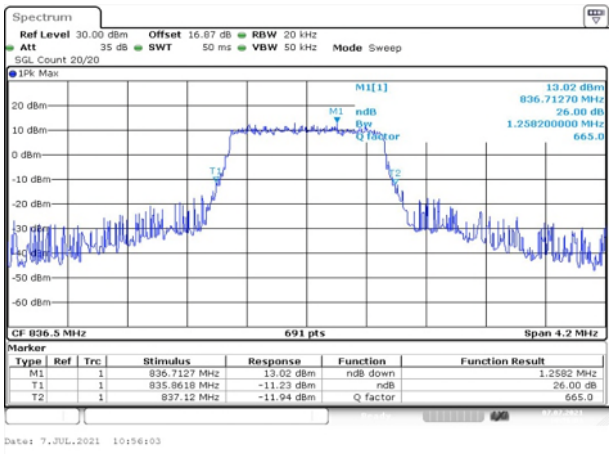


Fig.5

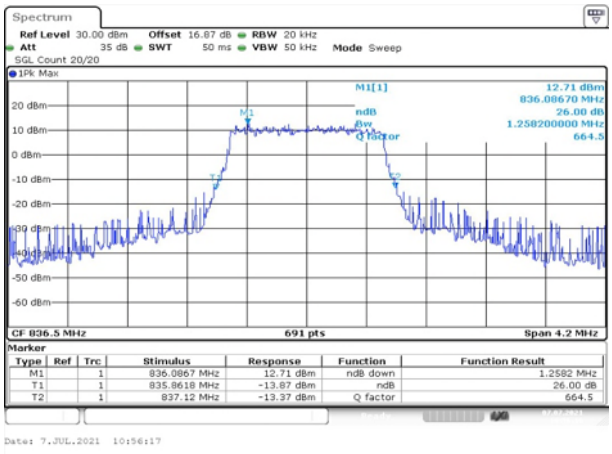


Fig.6

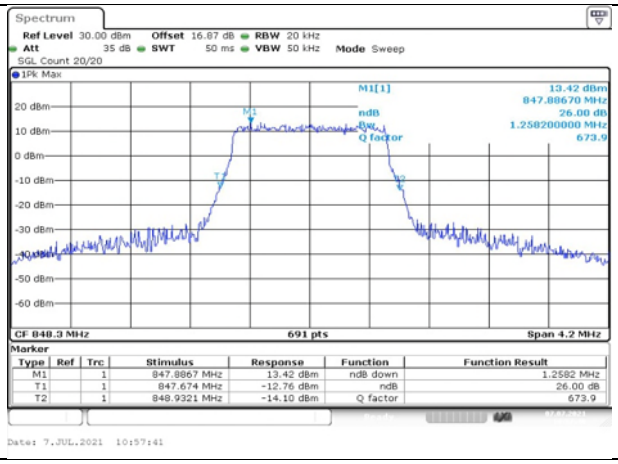


Fig.7

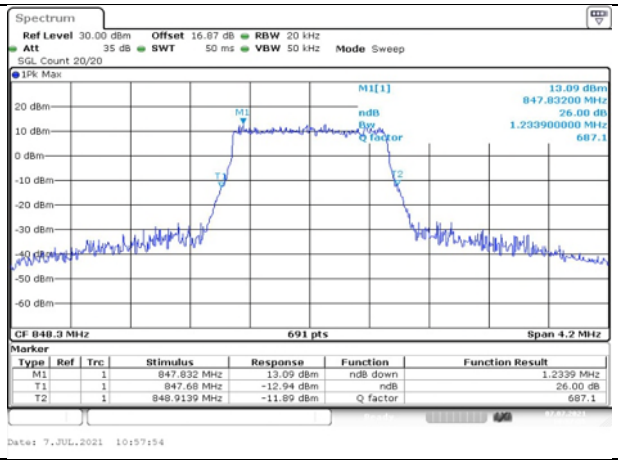


Fig.8

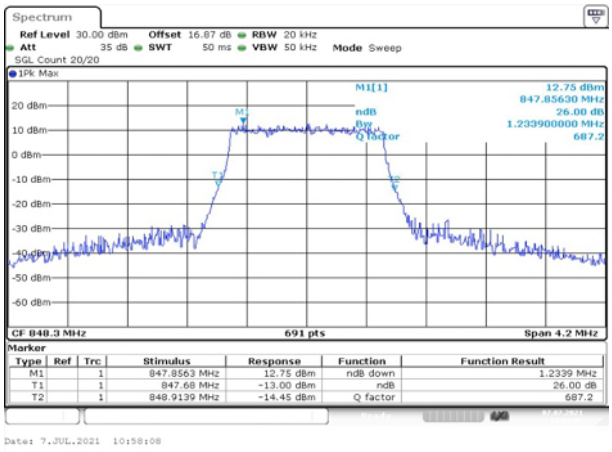
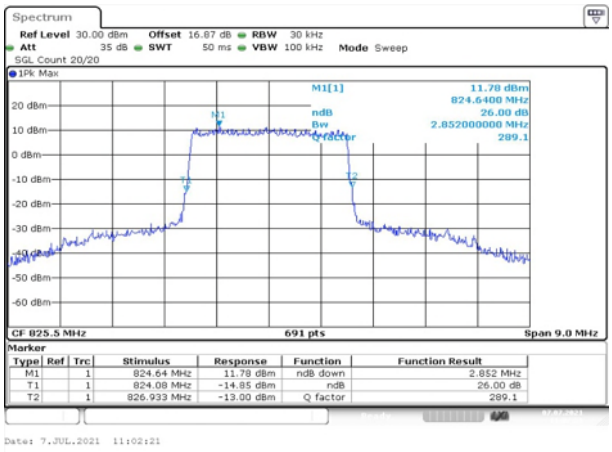


Fig.9



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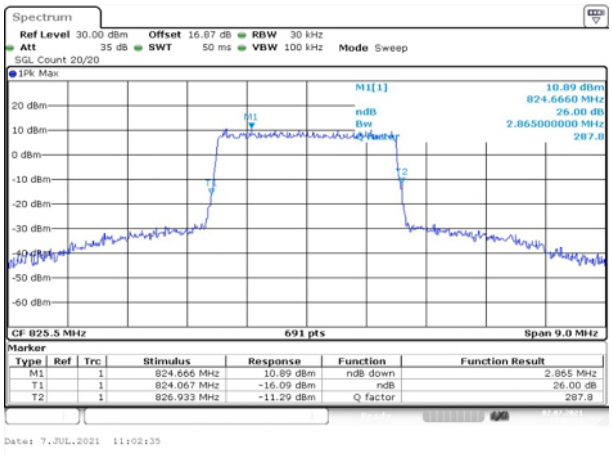


Fig.11

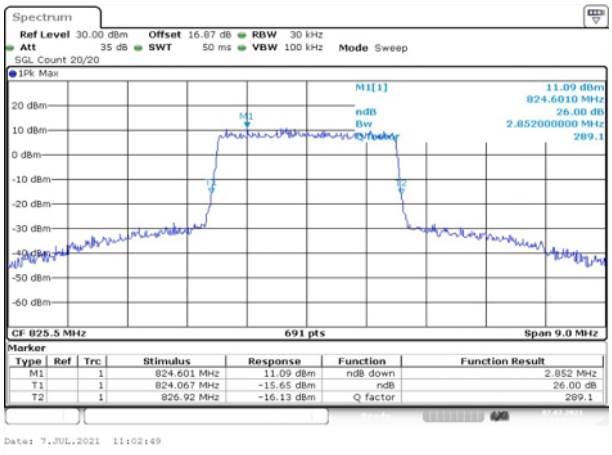


Fig.12

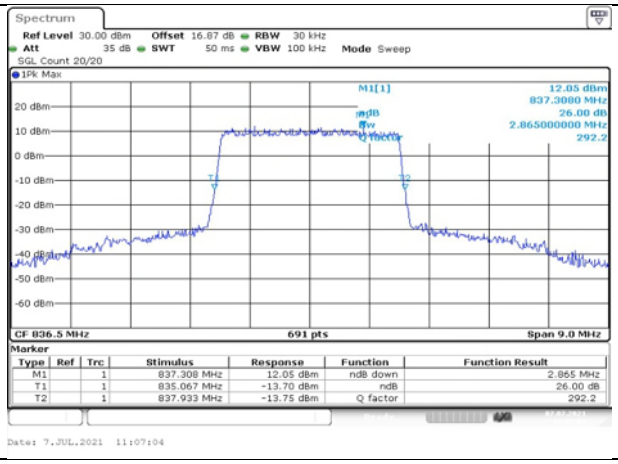
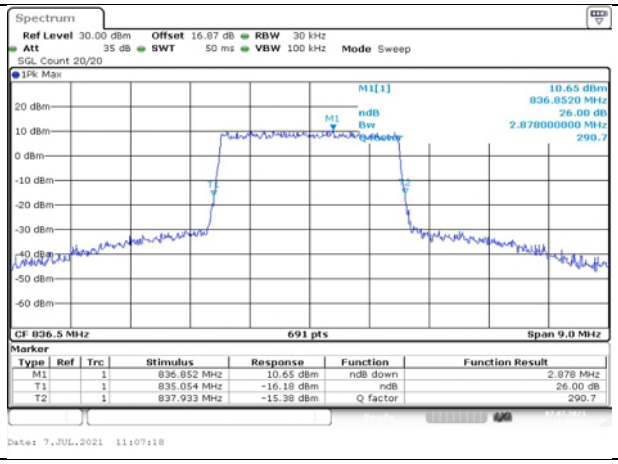


Fig.13



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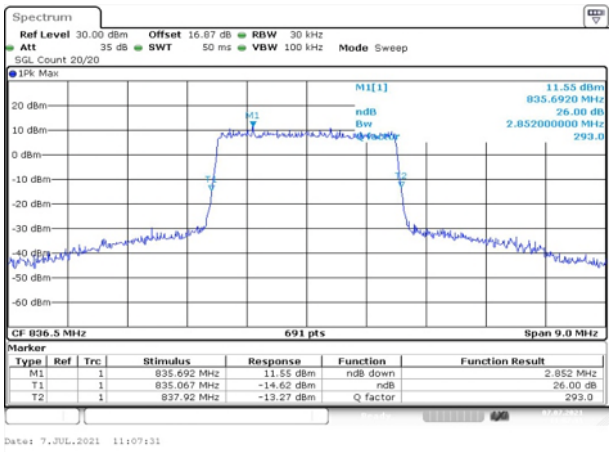

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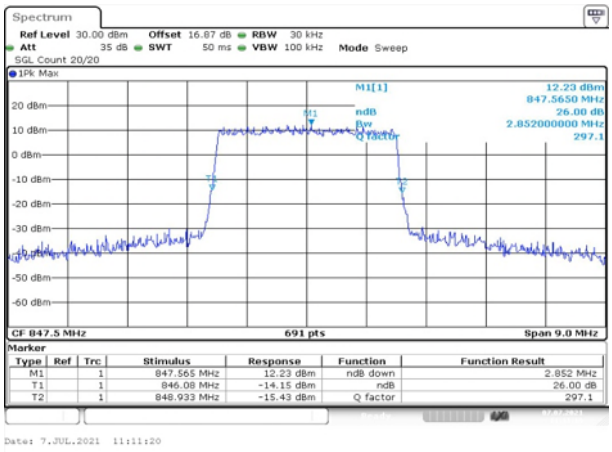
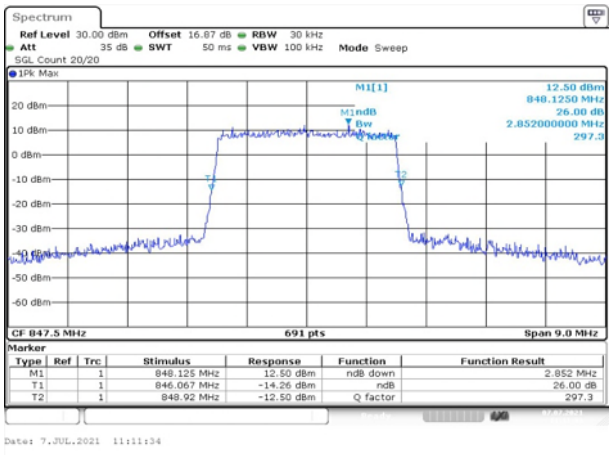


Fig.16



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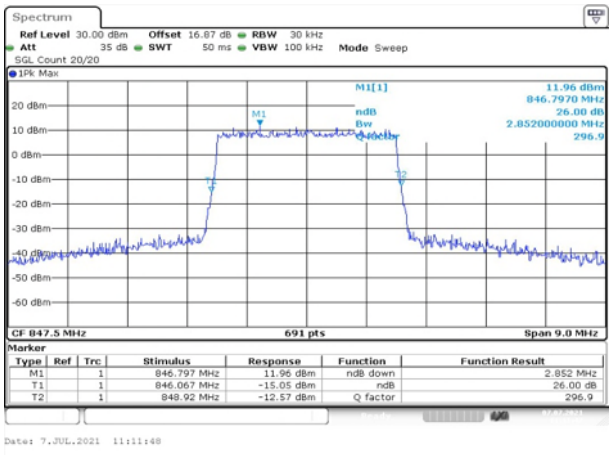

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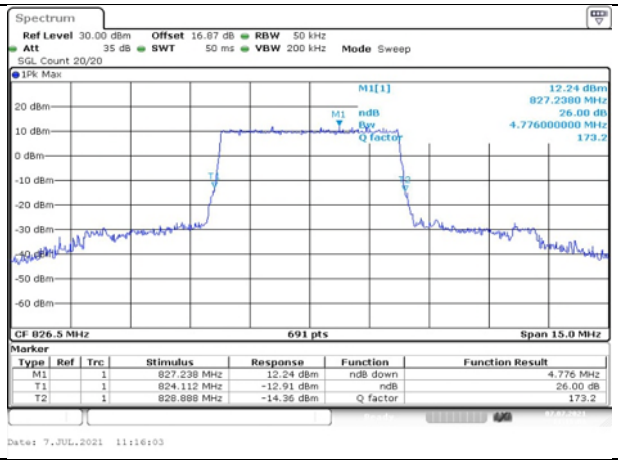


Fig.19

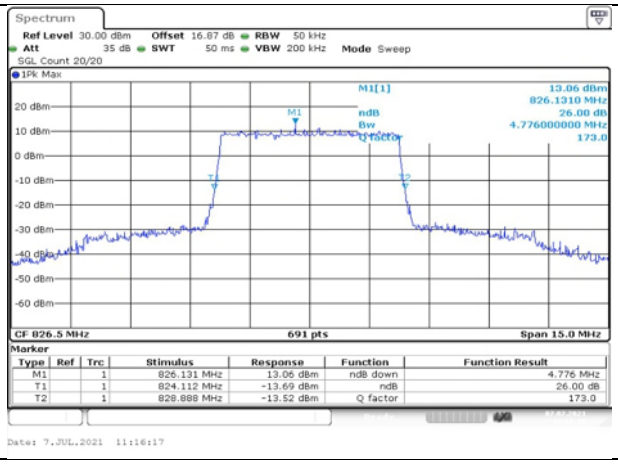


Fig.20

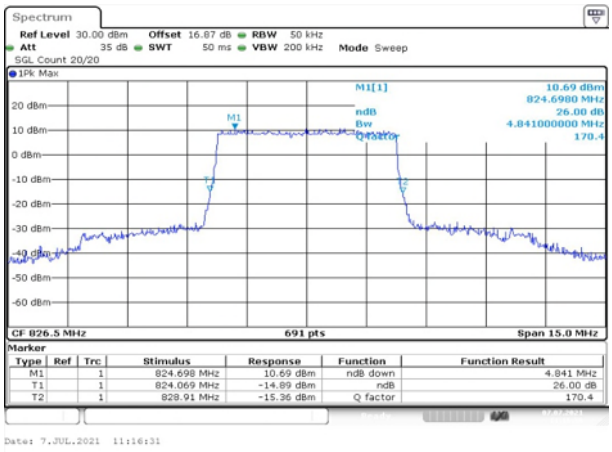


Fig.21

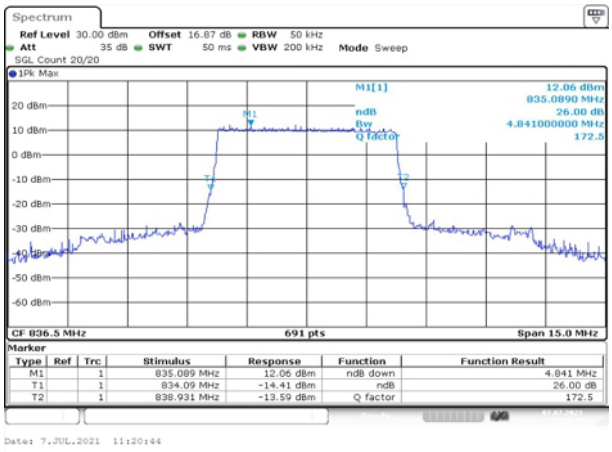
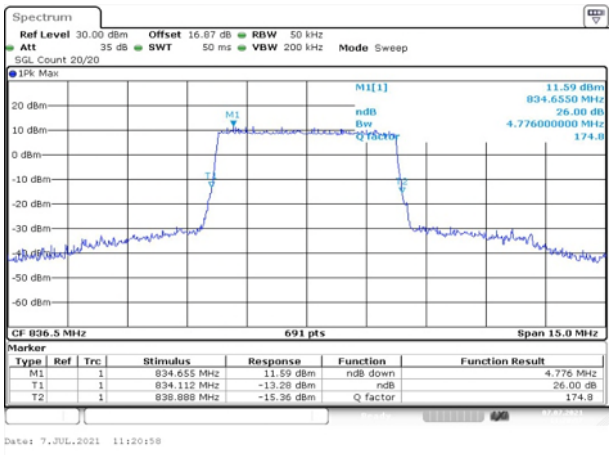


Fig.22



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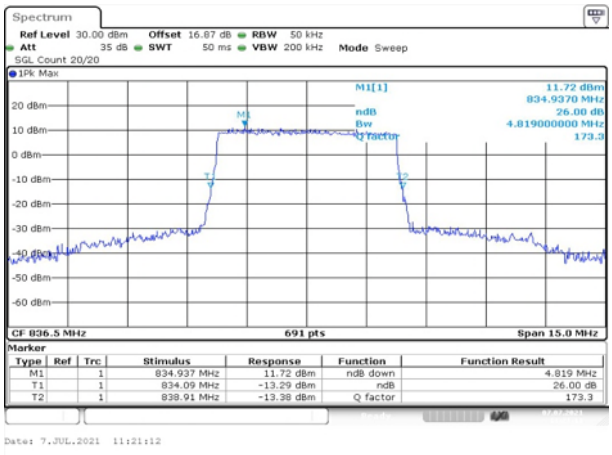

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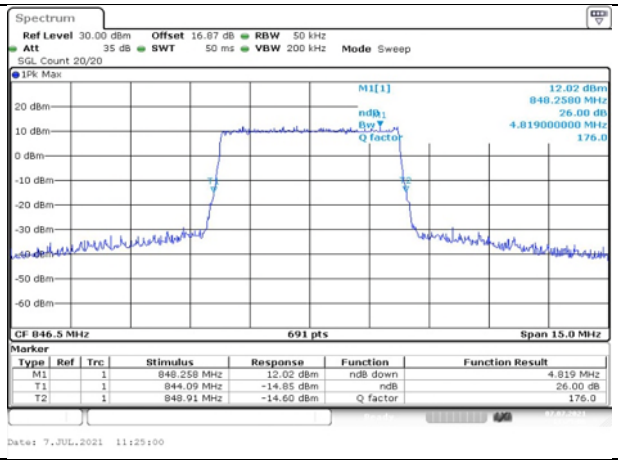


Fig.25

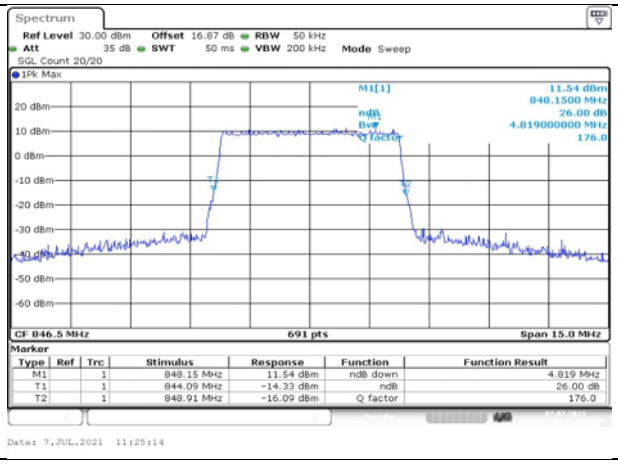


Fig.26

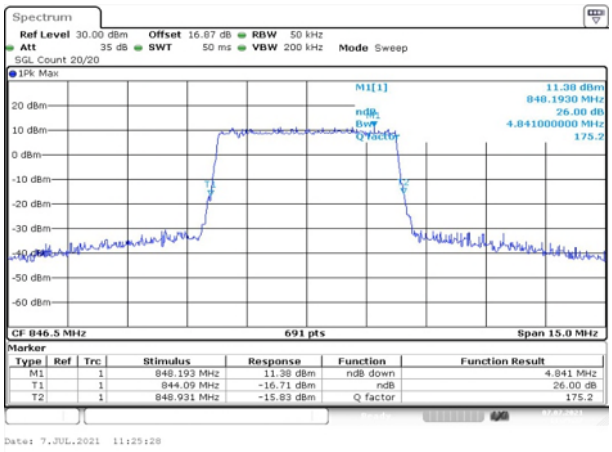


Fig.27

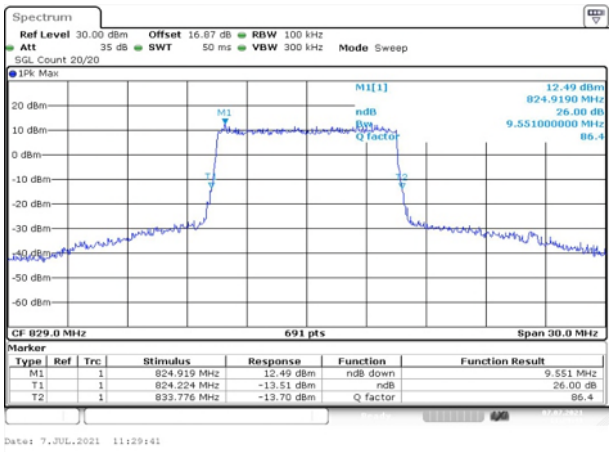
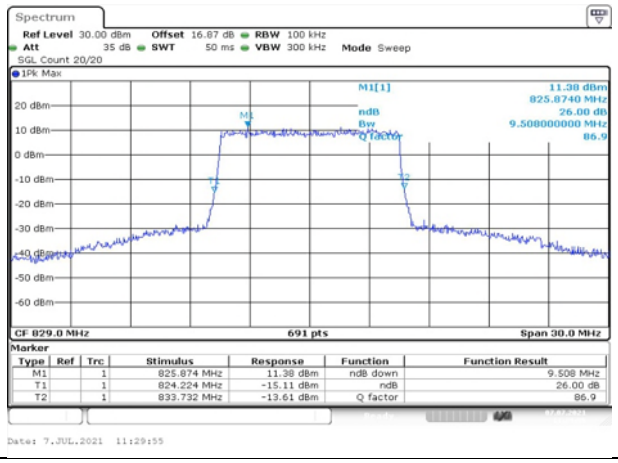


Fig.28



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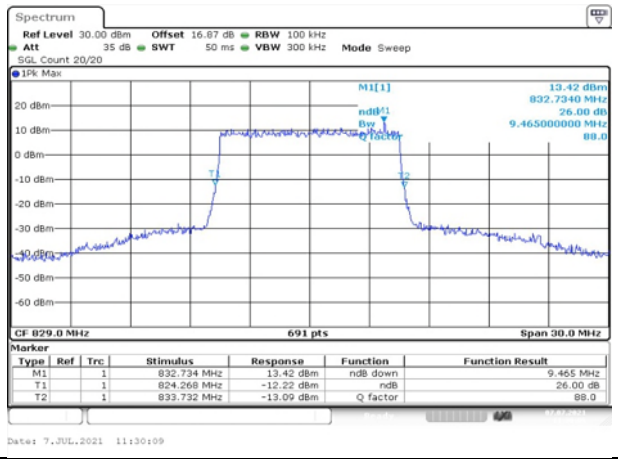

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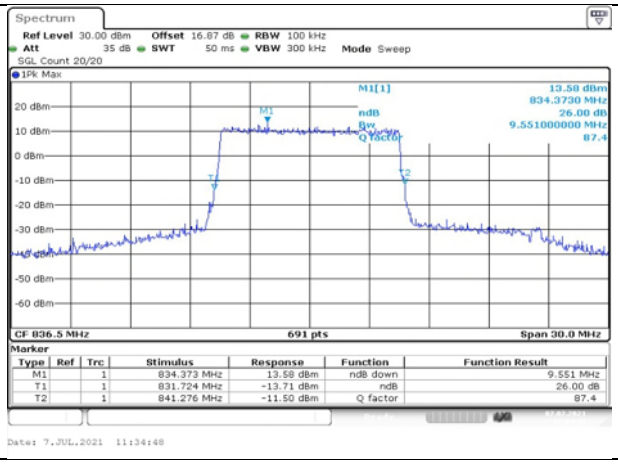

Fig.31

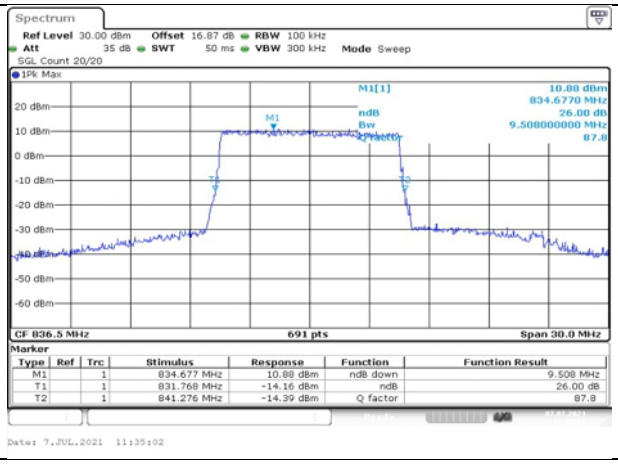

Fig.32

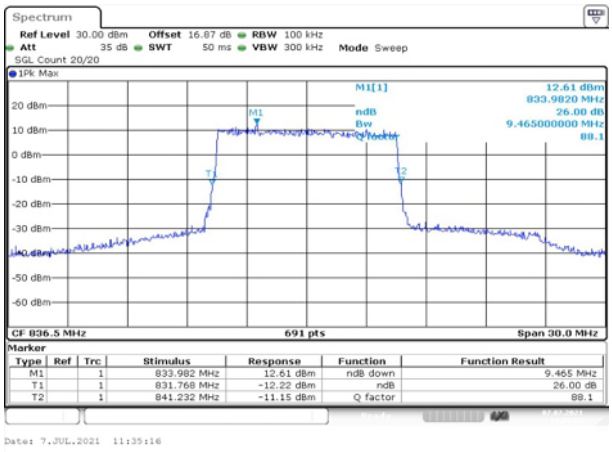

Fig.33

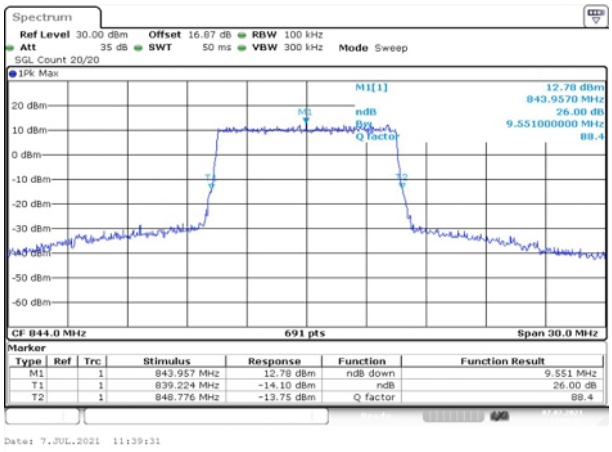

Fig.34

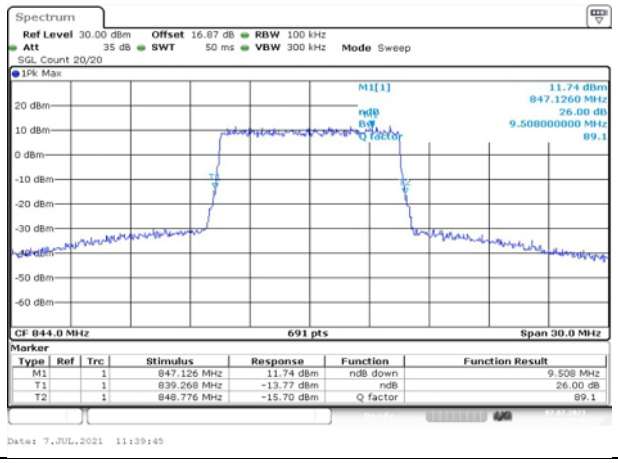

Fig.35

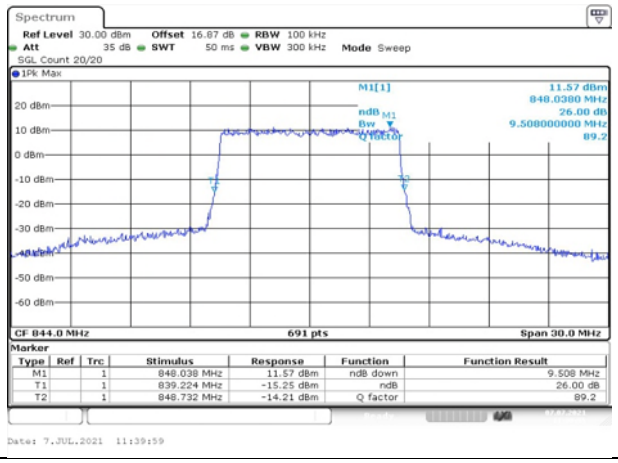

Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
5	824.7	20407	1.4	1	5	Fig.1	Fig.2	Fig.3
	824.7	20407		6	0	Fig.4	Fig.5	Fig.6
	836.5	20525		1	5	Fig.7	Fig.8	Fig.9
	836.5	20525		6	0	Fig.10	Fig.11	Fig.12
	848.3	20643		1	5	Fig.13	Fig.14	Fig.15
	848.3	20643		6	0	Fig.16	Fig.17	Fig.18
	825.5	20415	3	1	14	Fig.19	Fig.20	Fig.21
	825.5	20415		15	0	Fig.22	Fig.23	Fig.24
	836.5	20525		1	14	Fig.25	Fig.26	Fig.27
	836.5	20525		15	0	Fig.28	Fig.29	Fig.30
	847.5	20635		1	14	Fig.31	Fig.32	Fig.33
	847.5	20635		15	0	Fig.34	Fig.35	Fig.36
	826.5	20425	5	1	24	Fig.37	Fig.38	Fig.39
	826.5	20425		25	0	Fig.40	Fig.41	Fig.42
	836.5	20525		1	24	Fig.43	Fig.44	Fig.45
	836.5	20525		25	0	Fig.46	Fig.47	Fig.48
	846.5	20625		1	24	Fig.49	Fig.50	Fig.51
	846.5	20625		25	0	Fig.52	Fig.53	Fig.54
	829	20450	10	1	49	Fig.55	Fig.56	Fig.57
	829	20450		50	0	Fig.58	Fig.59	Fig.60
	836.5	20525		1	49	Fig.61	Fig.62	Fig.63
	836.5	20525		50	0	Fig.64	Fig.65	Fig.66
	844	20600		1	49	Fig.67	Fig.68	Fig.69
	844	20600		50	0	Fig.70	Fig.71	Fig.72

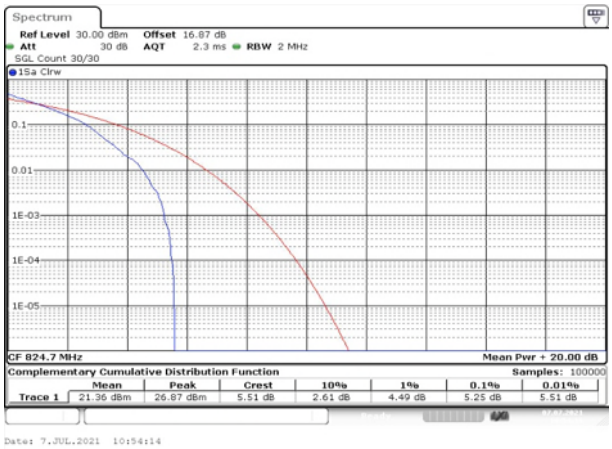

Fig.1

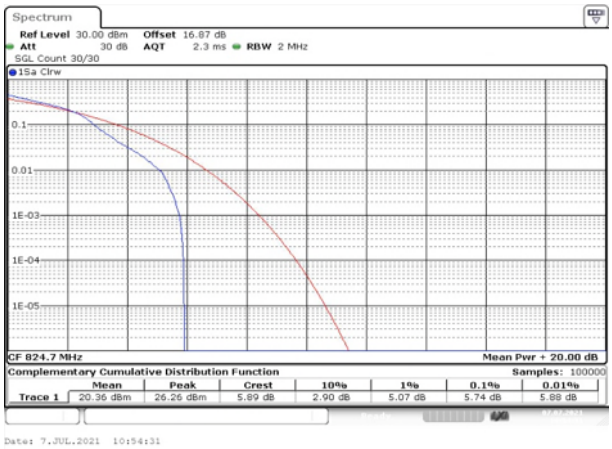

Fig.2

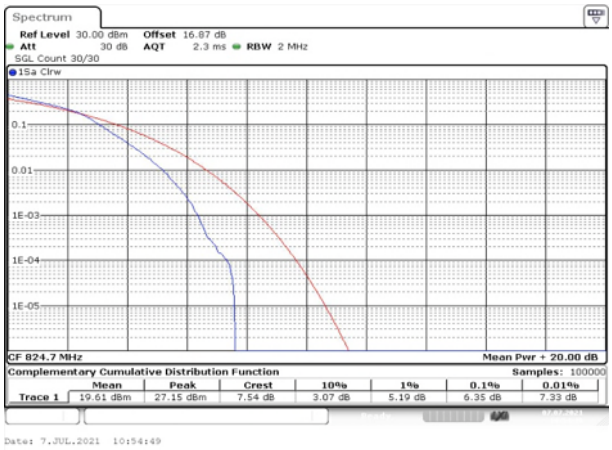

Fig.3

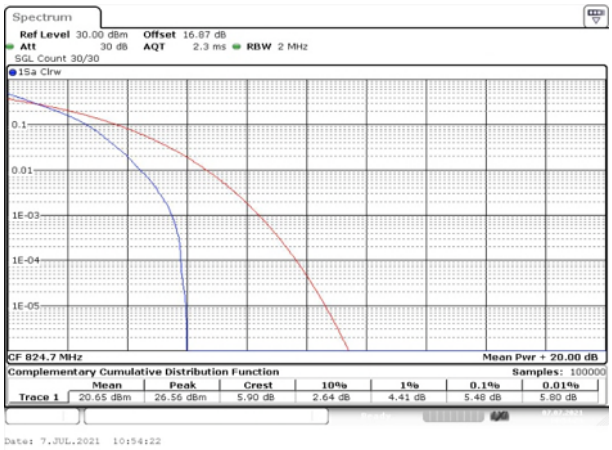

Fig.4

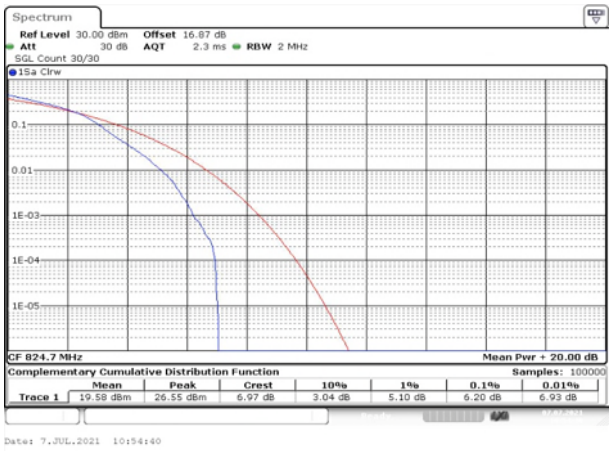

Fig.5

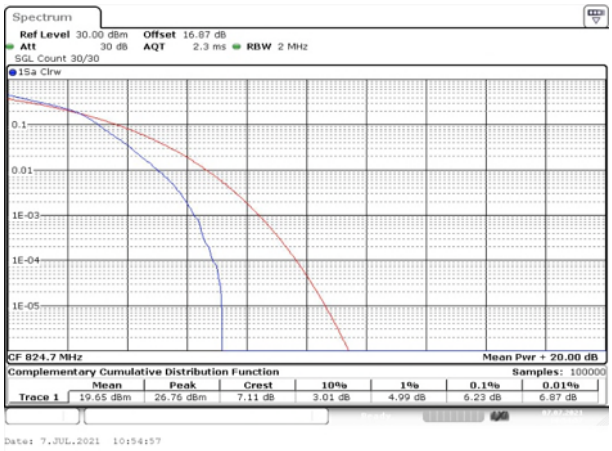

Fig.6