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	23.60
				1	3	23.71
				1	5	23.79
				3	0	23.44
				3	1	23.55
				3	3	23.55
				6	0	23.52
	836.5	20525		1	0	24.72
				1	3	24.75
				1	5	24.75
				3	0	24.74
				3	1	24.71
				3	3	24.70
				6	0	23.71
	848.3	20643		1	0	24.64
				1	3	24.74
				1	5	24.73
				3	0	24.98
				3	1	24.88
				3	3	24.95
				6	0	23.91
16QAM	824.7	20407		1	0	23.28
				1	3	23.37
				1	5	23.46
				3	0	23.41
				3	1	23.40
				3	3	23.40
				6	0	22.32
	836.5	20525		1	0	24.47
				1	3	24.45
				1	5	24.44
				3	0	23.98
				3	1	23.77
				3	3	23.77
				6	0	23.14
	848.3	20643		1	0	23.76
				1	3	23.78
				1	5	23.78
				3	0	23.89
				3	1	23.86
				3	3	23.86
				6	0	22.58

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	824.7	20407	1.4	1	0	22.32
				1	3	22.32
				1	5	22.32
				3	0	22.32
				3	1	22.32
				3	3	22.52
				6	0	22.52
	836.5	20525		1	0	23.15
				1	3	23.15
				1	5	23.15
				3	0	23.15
				3	1	23.15
				3	3	23.15
				6	0	23.15
	848.3	20643		1	0	22.59
				1	3	22.59
				1	5	22.59
				3	0	22.59
				3	1	22.87
				3	3	22.87
				6	0	22.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.52
				1	8	23.58
				1	14	23.58
				8	0	23.65
				8	4	23.57
				8	7	23.57
				15	0	23.61
	836.5	20525		1	0	24.74
				1	8	24.64
				1	14	24.63
				8	0	23.77
				8	4	23.72
				8	7	23.72
				15	0	23.75
	847.5	20635		1	0	24.75
				1	8	25.08
				1	14	25.07
				8	0	23.88
				8	4	23.92
				8	7	23.92
				15	0	23.91
16QAM	825.5	20415		1	0	23.91
				1	8	24.09
				1	14	24.09
				8	0	22.71
				8	4	22.54
				8	7	22.65
				15	0	22.47
	836.5	20525		1	0	23.84
				1	8	23.84
				1	14	23.83
				8	0	22.74
				8	4	22.80
				8	7	22.80
				15	0	22.61
	847.5	20635		1	0	23.82
				1	8	23.58
				1	14	23.58
				8	0	23.00
				8	4	22.97
				8	7	22.97
				15	0	22.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	825.5	20415	3	1	0	22.74
				1	8	22.74
				1	14	22.74
				8	0	22.75
				8	4	22.65
				8	7	22.65
				15	0	22.66
	836.5	20525		1	0	22.61
				1	8	22.61
				1	14	22.61
				8	0	22.61
				8	4	22.61
				8	7	22.61
				15	0	22.61
	847.5	20635		1	0	22.88
				1	8	22.88
				1	14	22.88
				8	0	22.88
				8	4	22.88
				8	7	22.88
				15	0	22.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	23.29
				1	12	23.56
				1	24	23.62
				12	0	23.50
				12	7	23.58
				12	13	23.66
				25	0	23.68
	836.5	20525		1	0	24.45
				1	12	24.35
				1	24	24.44
				12	0	23.72
				12	7	23.64
				12	13	23.63
				25	0	23.67
	846.5	20625		1	0	24.52
				1	12	24.82
				1	24	24.82
				12	0	23.83
				12	7	23.78
				12	13	23.78
				25	0	23.75
16QAM	826.5	20425		1	0	23.23
				1	12	22.92
				1	24	22.92
				12	0	22.27
				12	7	22.33
				12	13	22.33
				25	0	22.62
	836.5	20525		1	0	23.86
				1	12	23.87
				1	24	23.87
				12	0	22.67
				12	7	22.69
				12	13	22.69
				25	0	22.87
	846.5	20625		1	0	23.64
				1	12	23.53
				1	24	23.53
				12	0	22.88
				12	7	22.85
				12	13	22.85
				25	0	22.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	826.5	20425	5	1	0	22.61
				1	12	22.62
				1	24	22.61
				12	0	22.61
				12	7	22.61
				12	13	22.61
				25	0	22.61
	836.5	20525		1	0	22.88
				1	12	22.87
				1	24	22.87
				12	0	22.87
				12	7	22.87
				12	13	22.87
				25	0	22.87
	846.5	20625		1	0	22.89
				1	12	22.89
				1	24	22.89
				12	0	22.89
				12	7	22.89
				12	13	22.89
				25	0	22.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	836.5	20525	10	1	0	24.65
				1	25	24.80
				1	49	24.80
				25	0	23.77
				25	12	23.73
				25	25	23.73
				50	0	23.80
	844	20600		1	0	24.93
				1	25	24.96
				1	49	24.96
				25	0	23.88
				25	12	23.83
				25	25	23.83
				50	0	23.77
16QAM	829	20450		1	0	23.24
				1	25	23.42
				1	49	23.40
				25	0	22.61
				25	12	22.64
				25	25	22.63
				50	0	22.55
	836.5	20525		1	0	24.31
				1	25	24.36
				1	49	24.36
				25	0	22.91
				25	12	22.88
				25	25	22.88
				50	0	22.70
	844	20600		1	0	24.53
				1	25	24.57
				1	49	24.57
				25	0	23.09
				25	12	23.08
				25	25	23.09
				50	0	22.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	829	20450	10	1	0	22.55
				1	25	22.55
				1	49	22.54
				25	0	22.54
				25	12	22.53
				25	25	22.53
				50	0	22.53
	836.5	20525		1	0	22.70
				1	25	22.70
				1	49	22.80
				25	0	22.61
				25	12	22.61
				25	25	22.61
				50	0	22.61
	844	20600		1	0	22.87
				1	25	22.87
				1	49	22.87
				25	0	22.87
				25	12	22.87
				25	25	22.87
				50	0	22.87

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	1.082	Fig.5	1.082	Fig.6
	848.3	20643		6	0	1.088	Fig.7	1.076	Fig.8	1.094	Fig.9
	825.5	20415	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	836.5	20525		15	0	2.683	Fig.13	2.683	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	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	846.5	20625		25	0	4.450	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

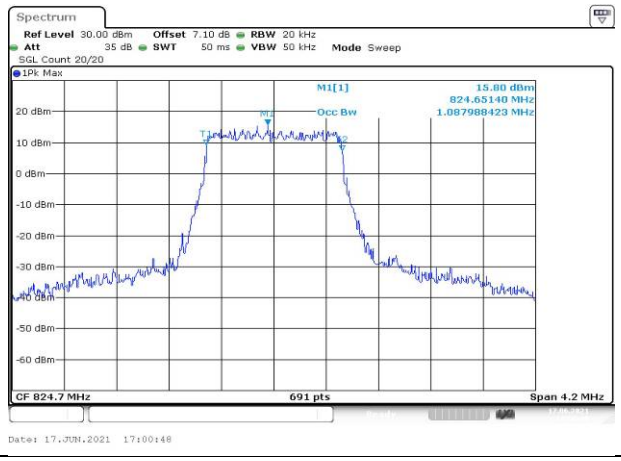


Fig.1

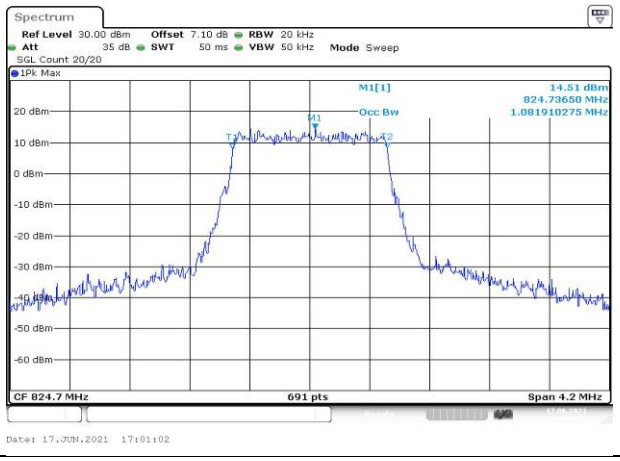


Fig.2

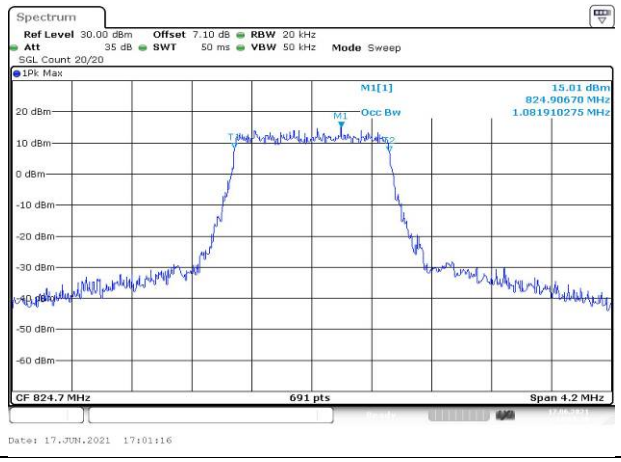


Fig.3

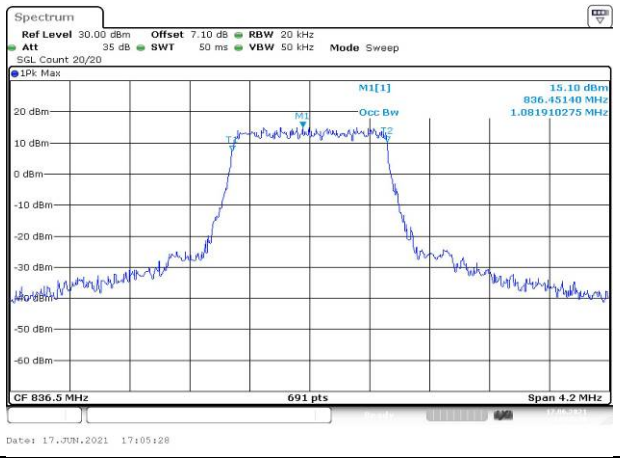


Fig.4

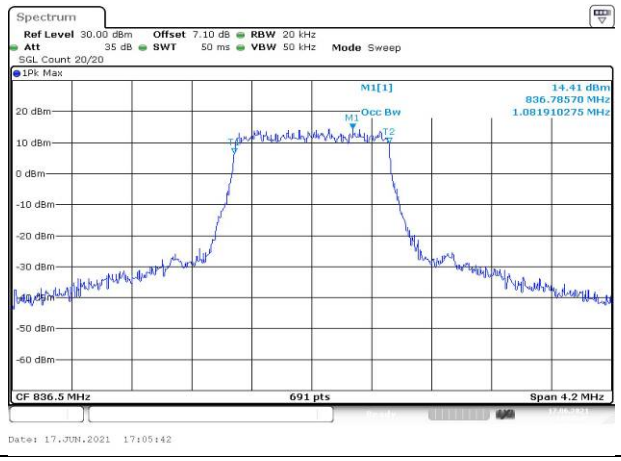


Fig.5

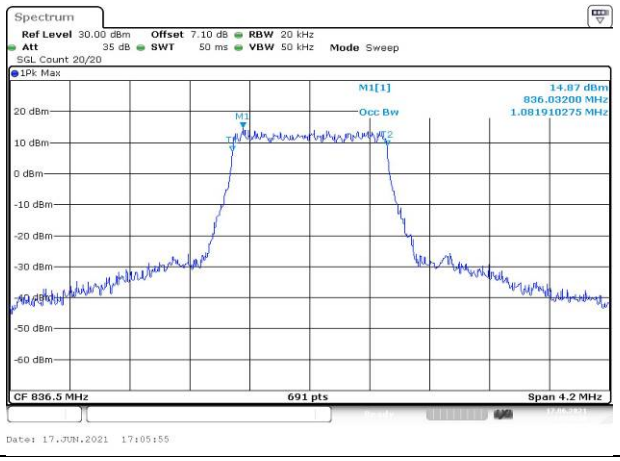


Fig.6

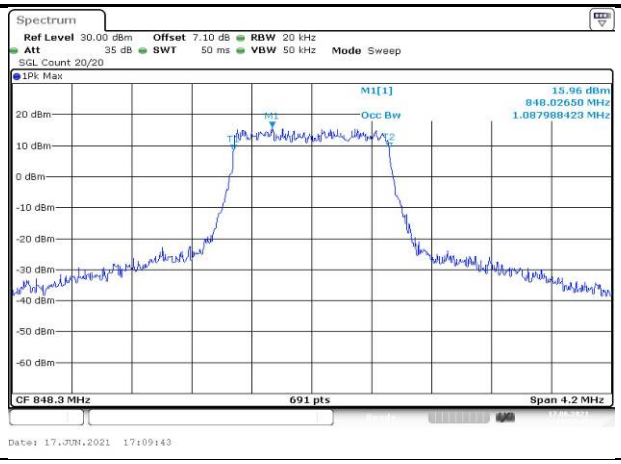


Fig.7

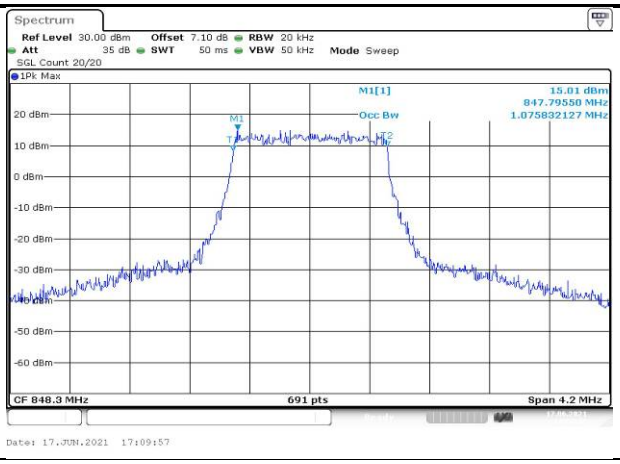


Fig.8

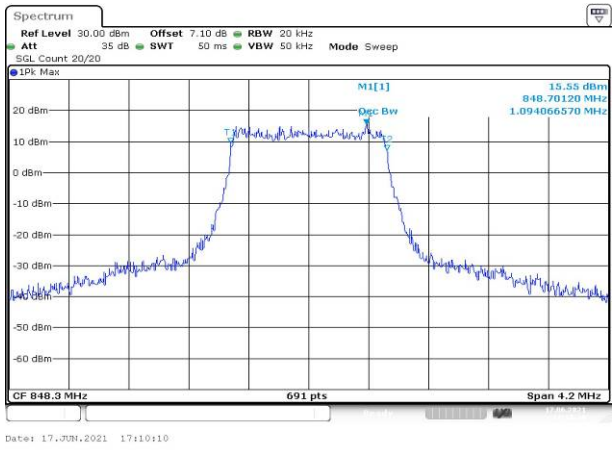


Fig.9

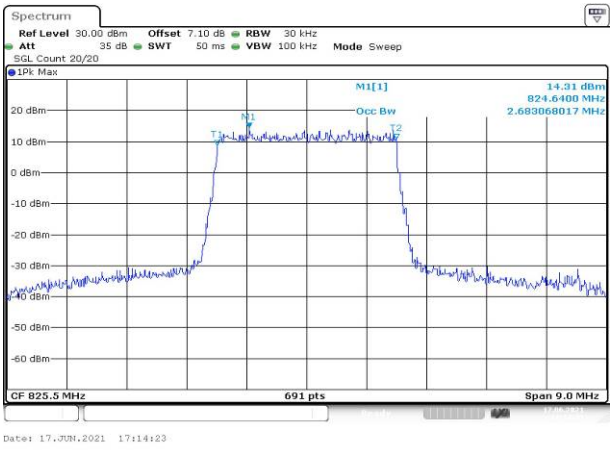


Fig.10

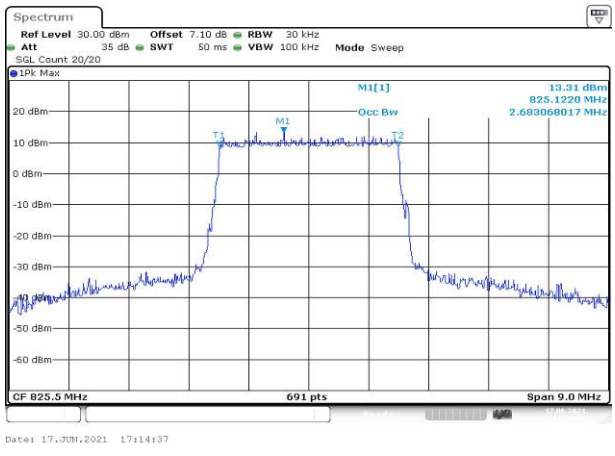


Fig.11

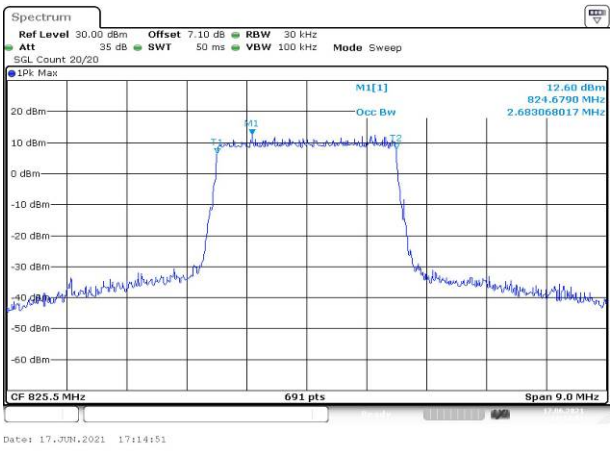


Fig.12

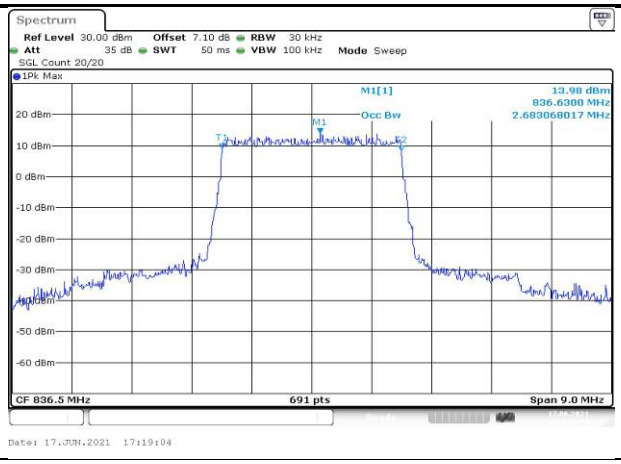


Fig.13

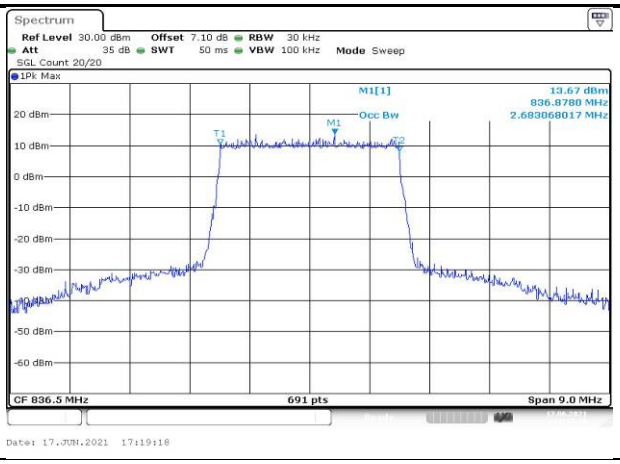


Fig.14

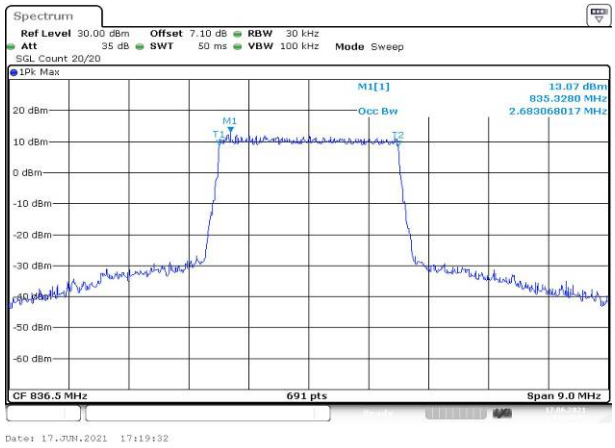


Fig.15

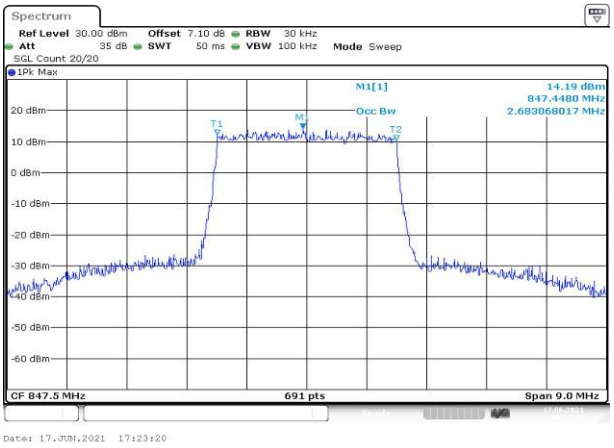


Fig.16

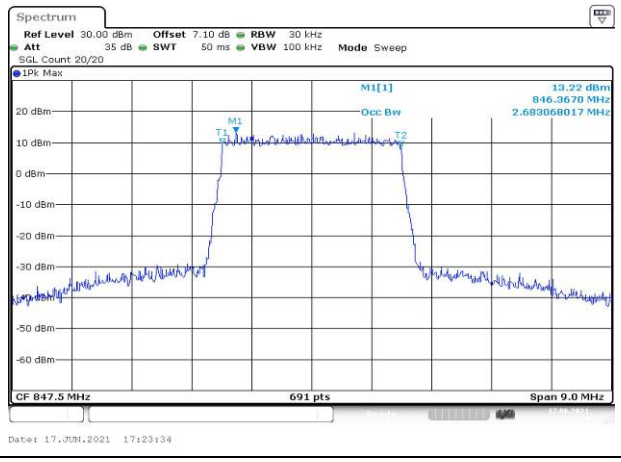


Fig.17

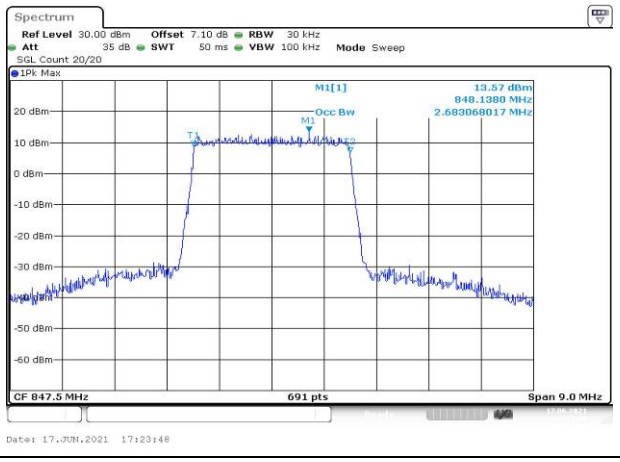


Fig.18

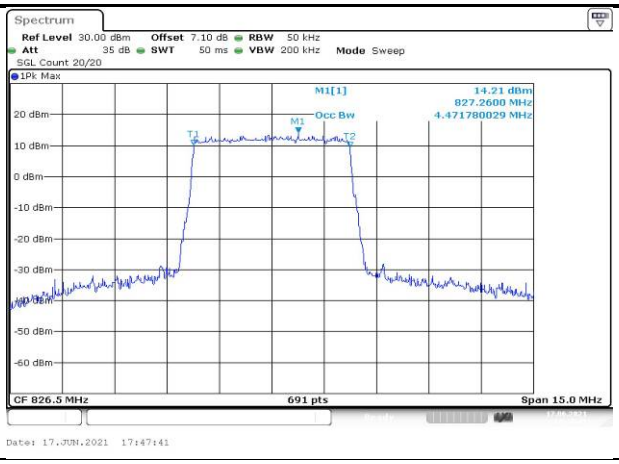


Fig.19

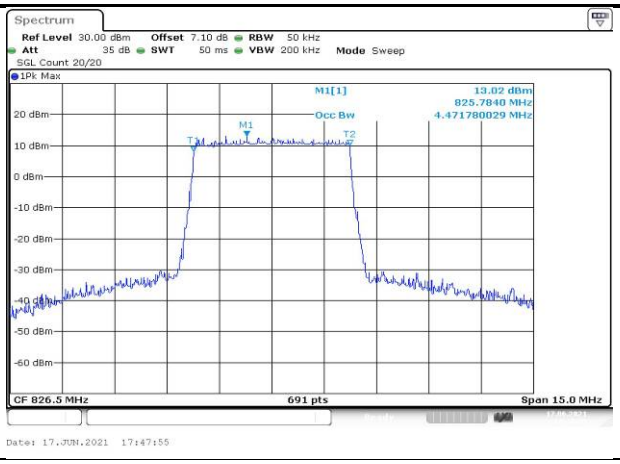
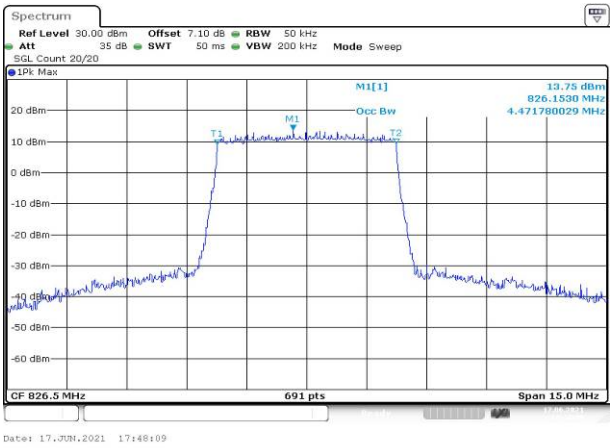


Fig.20



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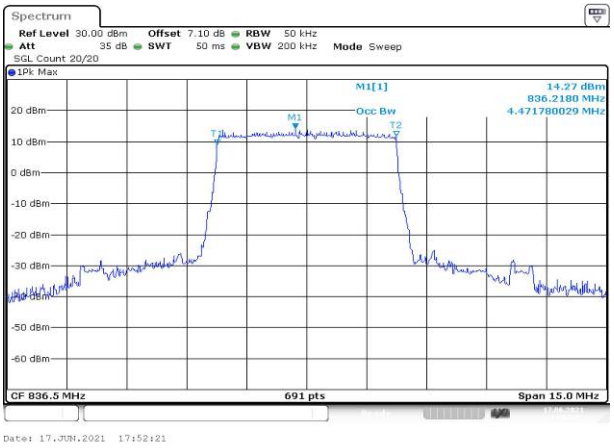


Fig.22

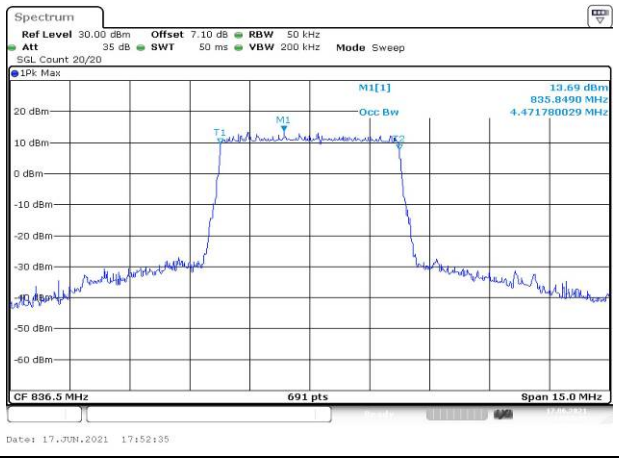
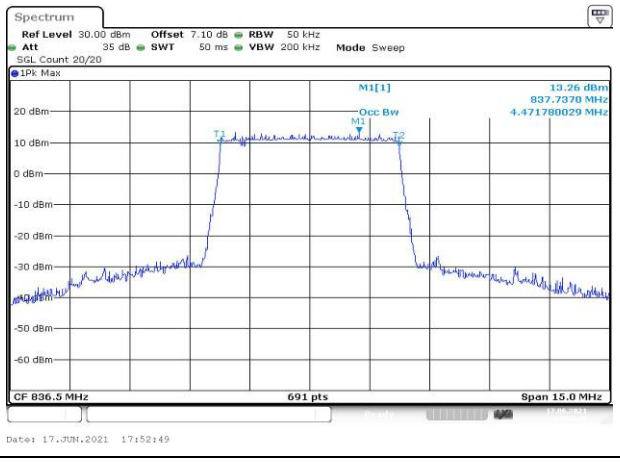


Fig.23



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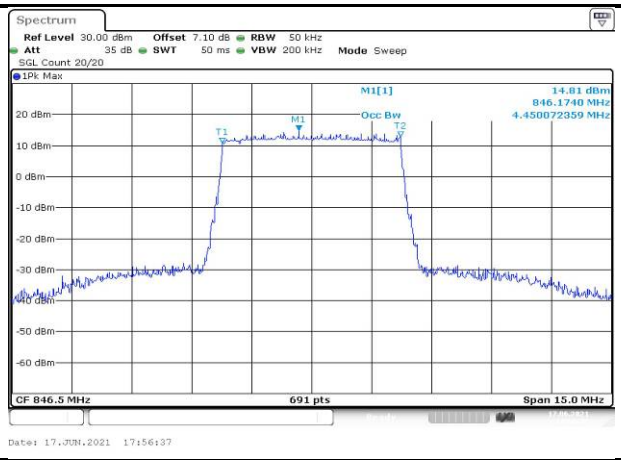

Fig.25

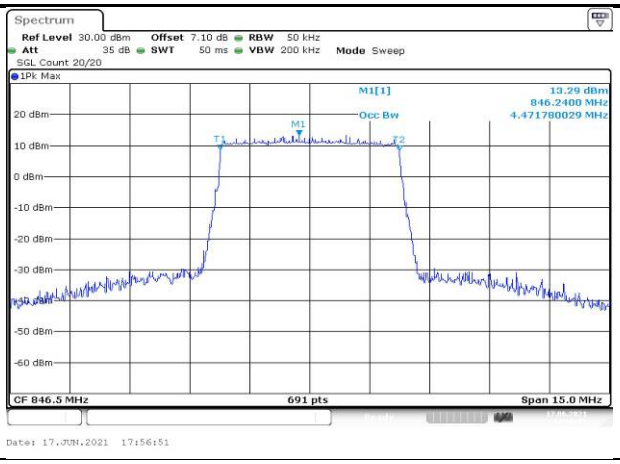

Fig.26

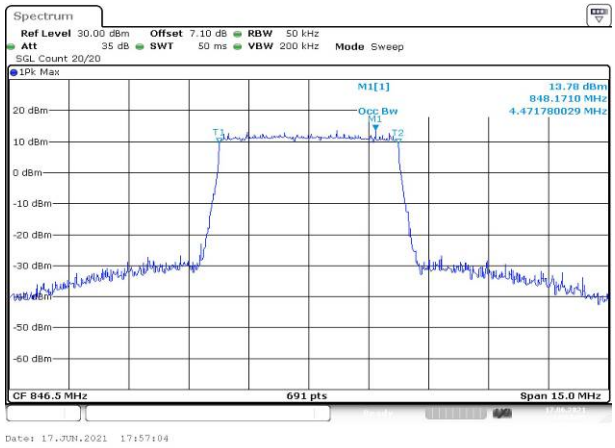

Fig.27

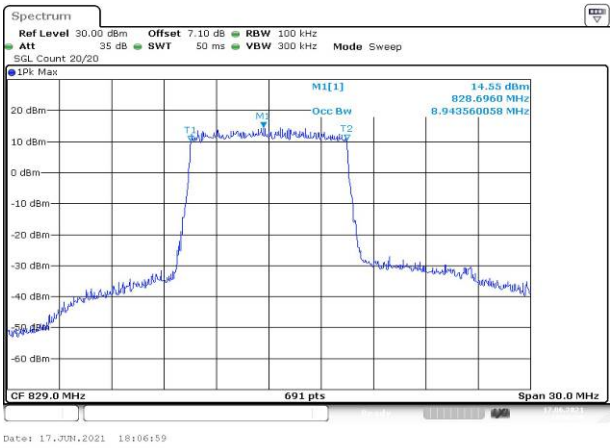

Fig.28

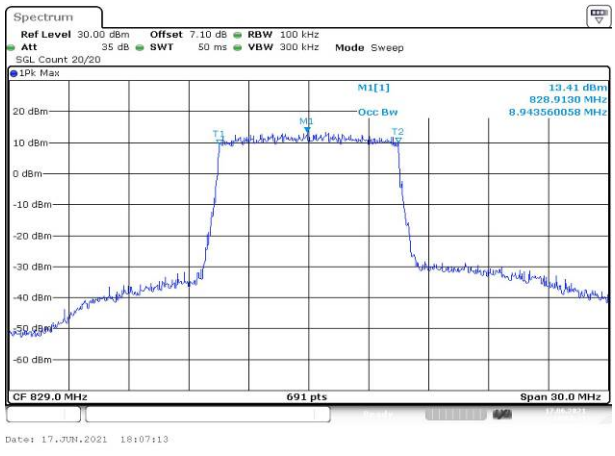

Fig.29

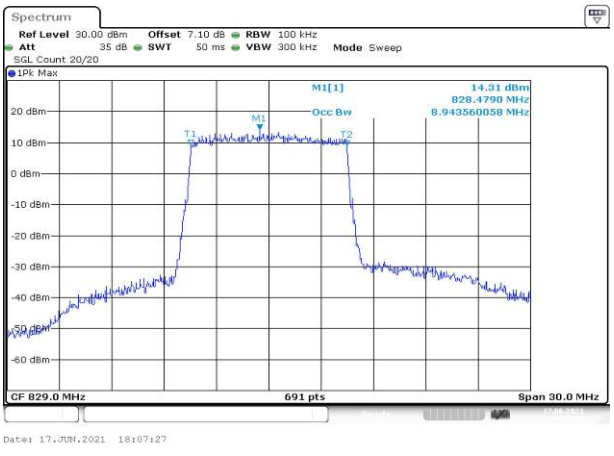

Fig.30

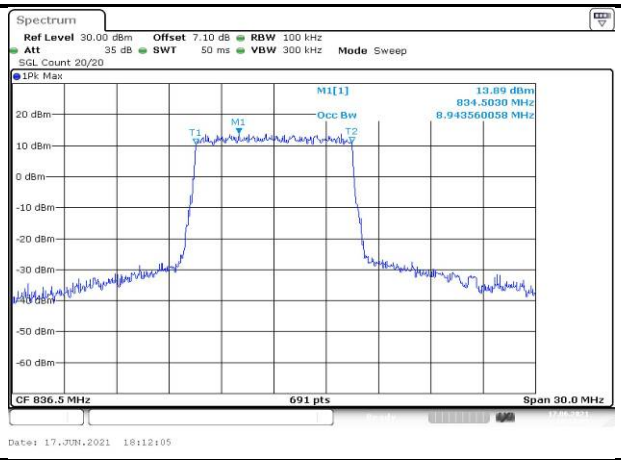

Fig.31

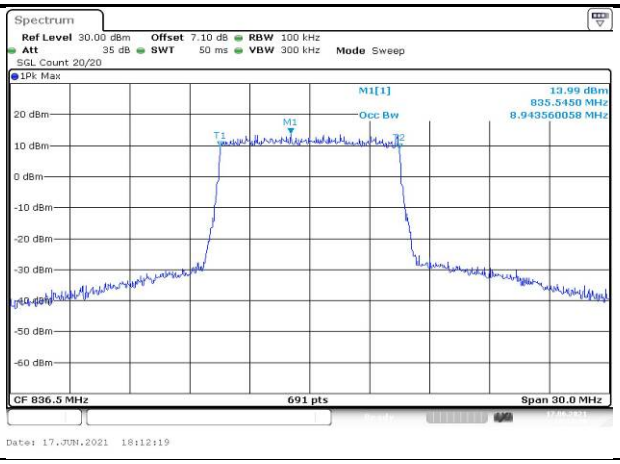

Fig.32

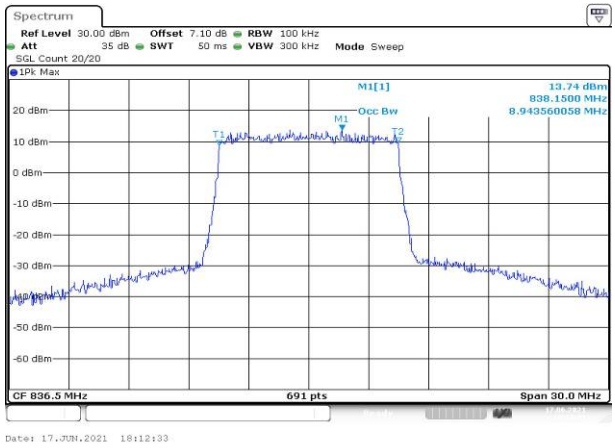

Fig.33

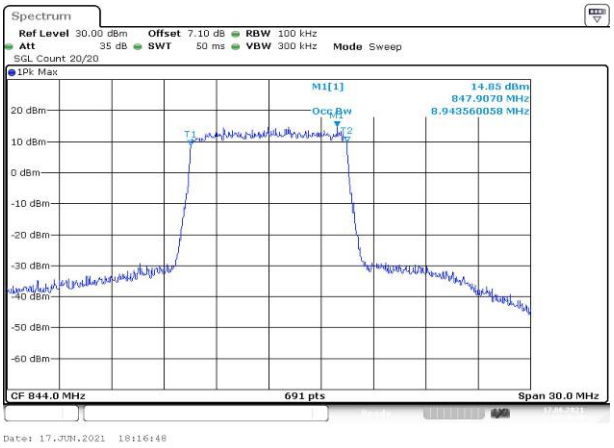

Fig.34

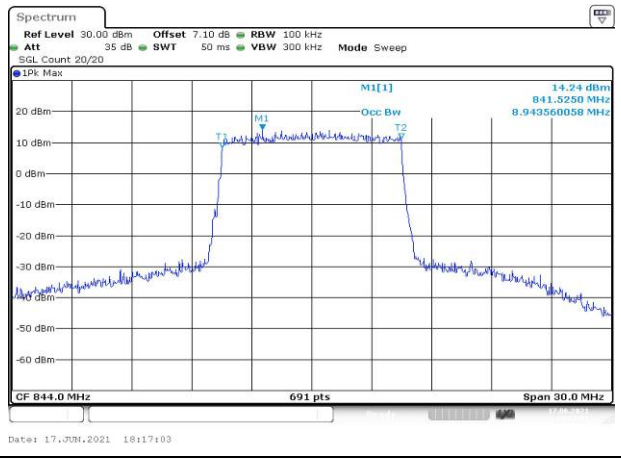

Fig.35

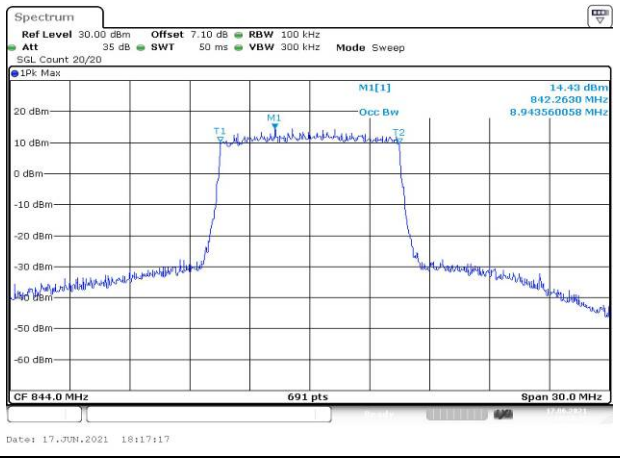

Fig.36

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	1.264	Fig.3
	836.5	20525		6	0	1.252	Fig.4	1.228	Fig.5	1.246	Fig.6
	848.3	20643		6	0	1.252	Fig.7	1.246	Fig.8	1.270	Fig.9
	825.5	20415	3	15	0	2.931	Fig.10	2.904	Fig.11	2.878	Fig.12
	836.5	20525		15	0	2.904	Fig.13	2.918	Fig.14	2.904	Fig.15
	847.5	20635		15	0	2.931	Fig.16	2.918	Fig.17	2.931	Fig.18
	826.5	20425	5	25	0	4.906	Fig.19	4.841	Fig.20	4.906	Fig.21
	836.5	20525		25	0	4.863	Fig.22	4.884	Fig.23	4.928	Fig.24
	846.5	20625		25	0	4.906	Fig.25	4.884	Fig.26	4.906	Fig.27
	829	20450	10	50	0	9.638	Fig.28	9.595	Fig.29	9.638	Fig.30
	836.5	20525		50	0	9.638	Fig.31	9.638	Fig.32	9.638	Fig.33
	844	20600		50	0	9.682	Fig.34	9.595	Fig.35	9.551	Fig.36

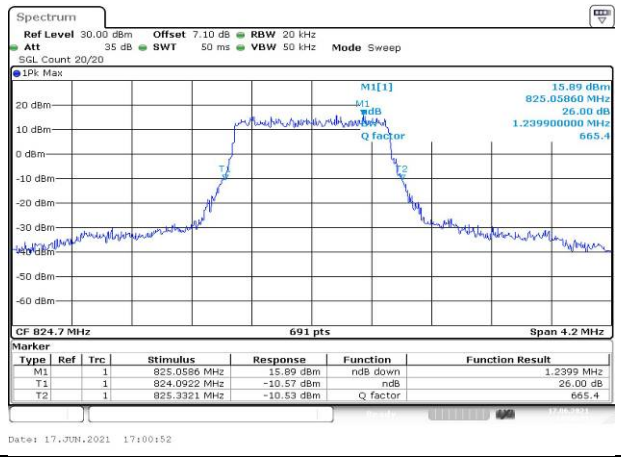

Fig.1

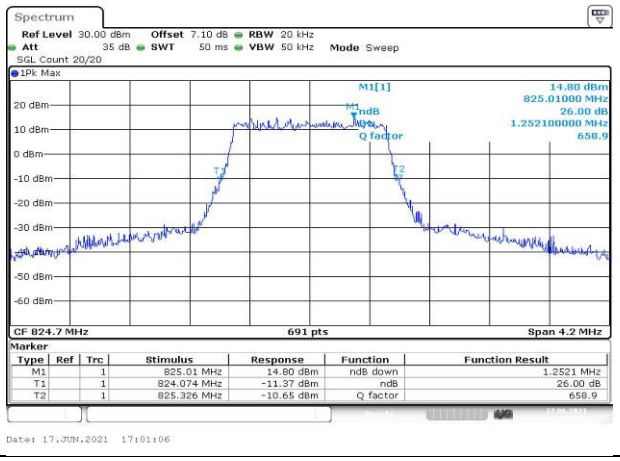

Fig.2

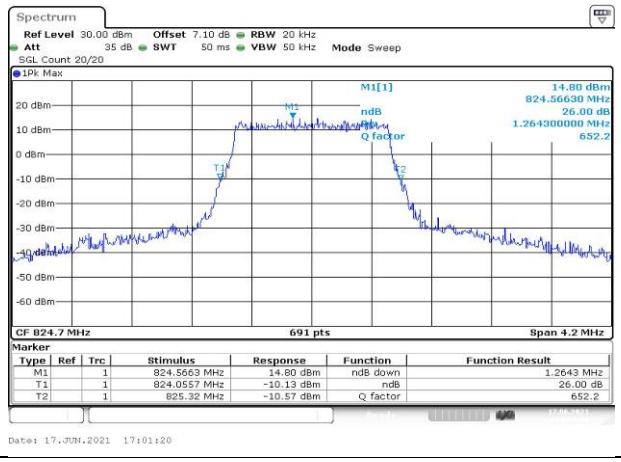

Fig.3

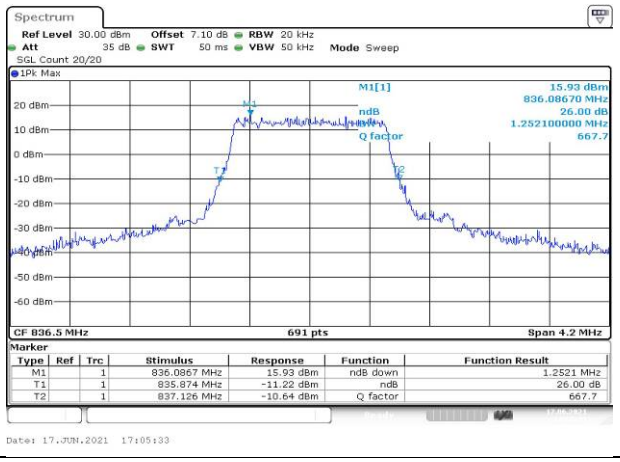

Fig.4

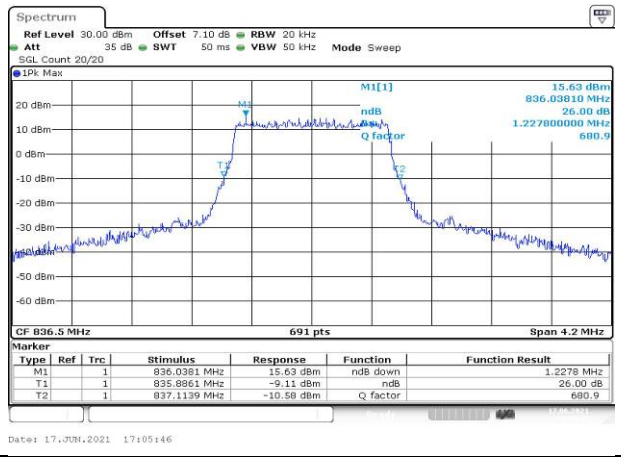

Fig.5

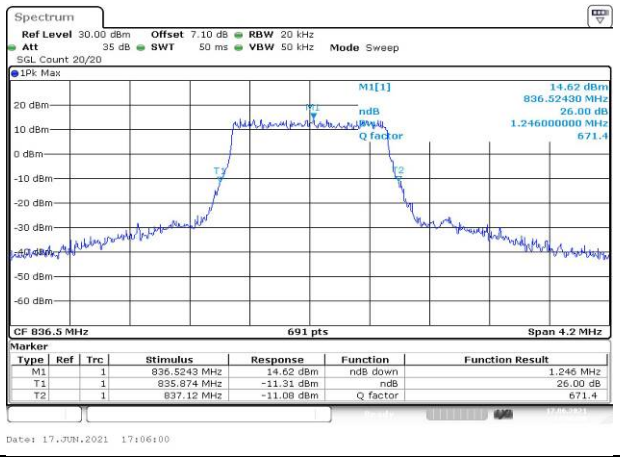

Fig.6