

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	22.56
				1	3	22.60
				1	5	22.46
				3	0	22.66
				3	1	22.56
				3	3	22.52
				6	0	21.59
	848.3	20643		1	0	22.74
				1	3	22.90
				1	5	22.81
				3	0	23.03
				3	1	23.04
				3	3	22.96
				6	0	21.97
16QAM	824.7	20407		1	0	21.62
				1	3	21.29
				1	5	21.36
				3	0	21.48
				3	1	21.61
				3	3	21.61
				6	0	20.76
	848.3	20643		1	0	22.32
				1	3	22.51
				1	5	22.47
				3	0	21.85
				3	1	21.67
				3	3	21.59
				6	0	21.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	824.7	20407	1.4	1	0	21.90
				1	3	21.91
				1	5	21.70
				3	0	21.70
				3	1	21.58
				3	3	21.64
	6	0		20.76		
	848.3	20643		1	0	21.69
				1	3	22.21
				1	5	22.02
				3	0	21.90
				3	1	21.63
				3	3	21.56
				6	0	20.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	22.79
				1	8	22.71
				1	14	22.90
				8	0	21.86
				8	4	21.84
				8	7	21.86
				15	0	21.84
	836.5	20525		1	0	22.88
				1	8	22.87
				1	14	22.97
				8	0	21.87
				8	4	21.86
				8	7	21.88
				15	0	21.84
	847.5	20635		1	0	23.10
				1	8	23.03
				1	14	23.12
				8	0	22.02
				8	4	22.04
				8	7	21.94
				15	0	22.01
16QAM	825.5	20415	1	0	22.43	
			1	8	22.35	
			1	14	22.54	
			8	0	21.29	
			8	4	21.28	
			8	7	21.34	
			15	0	20.97	
	836.5	20525	1	0	21.88	
			1	8	21.82	
			1	14	21.96	
			8	0	20.73	
			8	4	20.73	
			8	7	20.58	
			15	0	20.75	
	847.5	20635	1	0	22.23	
			1	8	22.16	
			1	14	21.97	
			8	0	20.84	
			8	4	20.72	
			8	7	20.67	
			15	0	20.87	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	825.5	20415	3	1	0	22.37
				1	8	21.66
				1	14	21.84
				8	0	20.93
				8	4	20.95
				8	7	21.05
				15	0	20.83
	836.5	20525		1	0	22.33
				1	8	21.80
				1	14	22.18
				8	0	20.66
				8	4	20.83
				8	7	20.87
				15	0	20.82
	847.5	20635		1	0	22.13
				1	8	21.70
				1	14	21.49
				8	0	20.72
				8	4	20.64
				8	7	20.72
				15	0	20.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	22.29
				1	12	22.55
				1	24	22.37
				12	0	21.67
				12	7	21.83
				12	13	21.77
				25	0	21.79
	836.5	20525		1	0	22.63
				1	12	23.09
				1	24	22.92
				12	0	21.86
				12	7	21.89
				12	13	21.82
				25	0	21.78
	846.5	20625		1	0	22.81
				1	12	22.97
				1	24	22.75
				12	0	21.76
				12	7	21.95
				12	13	21.81
				25	0	21.70
16QAM	826.5	20425	1	0	21.37	
			1	12	21.51	
			1	24	21.38	
			12	0	20.62	
			12	7	20.72	
			12	13	20.90	
			25	0	20.90	
	836.5	20525	1	0	21.64	
			1	12	21.74	
			1	24	21.65	
			12	0	20.56	
			12	7	20.71	
			12	13	20.66	
			25	0	20.77	
	846.5	20625	1	0	21.68	
			1	12	21.88	
			1	24	21.58	
			12	0	20.75	
			12	7	20.88	
			12	13	20.56	
			25	0	20.76	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	826.5	20425	5	1	0	22.03
				1	12	22.08
				1	24	21.87
				12	0	20.63
				12	7	20.72
				12	13	20.70
				25	0	20.92
	836.5	20525		1	0	21.51
				1	12	22.10
				1	24	22.04
				12	0	20.73
				12	7	20.72
				12	13	20.74
				25	0	20.91
	846.5	20625		1	0	21.72
				1	12	22.53
				1	24	21.92
				12	0	20.62
				12	7	20.74
				12	13	20.60
				25	0	20.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	829	20450	10	1	0	22.92	
				1	25	22.98	
				1	49	22.76	
				25	0	21.98	
				25	12	21.89	
				25	25	21.89	
				50	0	21.92	
	836.5	20525		1	0	23.11	
				1	25	23.05	
				1	49	23.24	
				25	0	22.02	
				25	12	22.01	
				25	25	22.06	
				50	0	21.99	
	844	20600		1	0	23.14	
				1	25	23.12	
				1	49	22.99	
				25	0	21.90	
				25	12	22.00	
				25	25	21.99	
				50	0	21.98	
	16QAM	829		20450	1	0	22.24
					1	25	22.38
					1	49	22.02
25					0	20.78	
25					12	20.73	
25					25	20.68	
50					0	20.70	
836.5		20525		1	0	22.03	
				1	25	21.96	
			1	49	22.04		
			25	0	20.96		
			25	12	20.90		
			25	25	20.97		
			50	0	20.76		
844		20600	1	0	22.31		
			1	25	22.34		
			1	49	22.01		
			25	0	20.98		
			25	12	21.05		
			25	25	20.98		
			50	0	20.92		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	829	20450	10	1	0	22.19
				1	25	22.36
				1	49	22.10
				25	0	21.05
				25	12	20.87
				25	25	20.96
				50	0	20.97
	836.5	20525		1	0	22.07
				1	25	21.81
				1	49	22.13
				25	0	21.12
				25	12	20.96
				25	25	21.03
				50	0	20.99
	844	20600		1	0	22.36
				1	25	21.84
				1	49	21.21
				25	0	20.81
				25	12	20.97
				25	25	20.88
				50	0	20.94

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	1.082	Fig.1	1.082	Fig.2	1.082	Fig.3
	836.5	20525		6	0	1.088	Fig.4	1.088	Fig.5	1.082	Fig.6
	848.3	20643		6	0	1.088	Fig.7	1.082	Fig.8	1.088	Fig.9
	825.5	20415	3	15	0	2.696	Fig.10	2.683	Fig.11	2.683	Fig.12
	836.5	20525		15	0	2.683	Fig.13	2.683	Fig.14	2.670	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	4.472	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

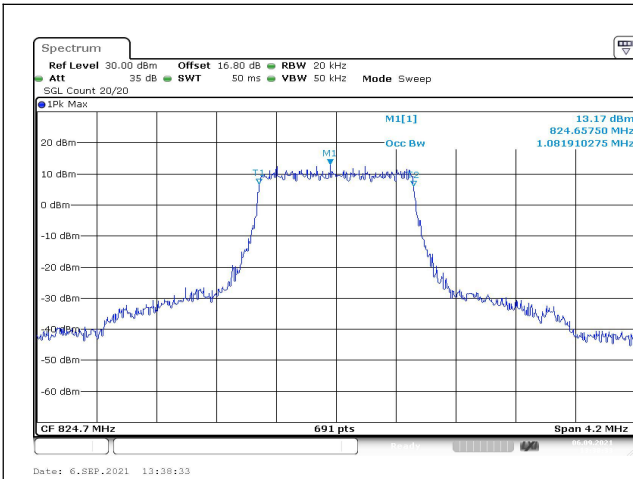


Fig.1

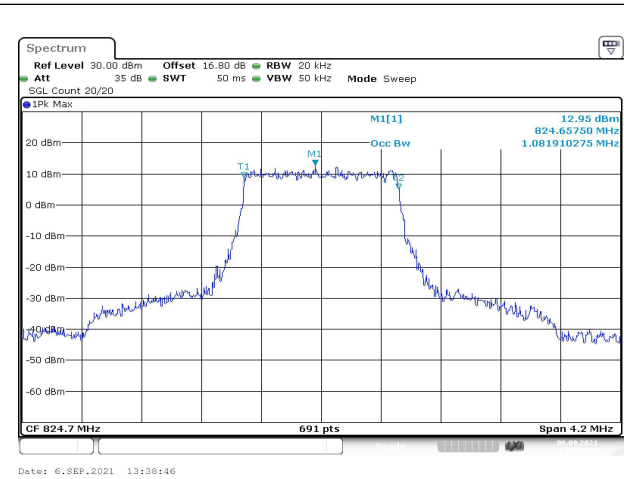


Fig.2

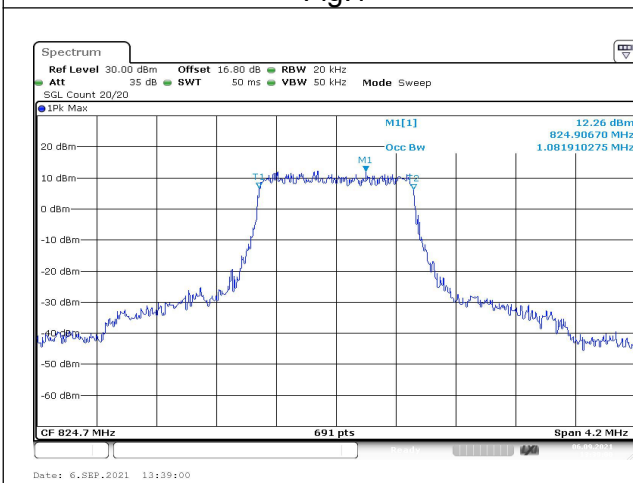


Fig.3

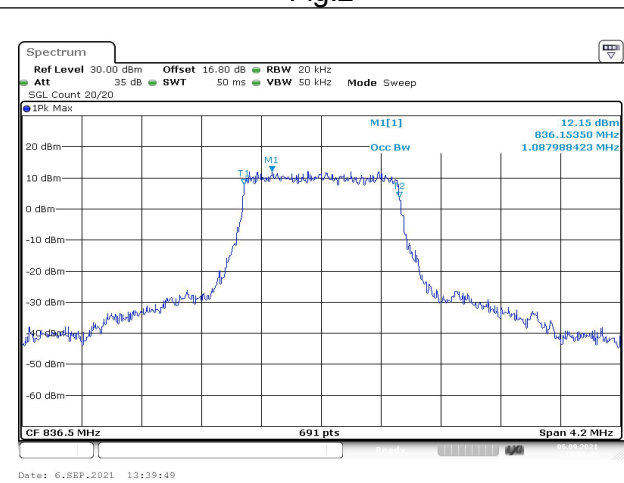


Fig.4

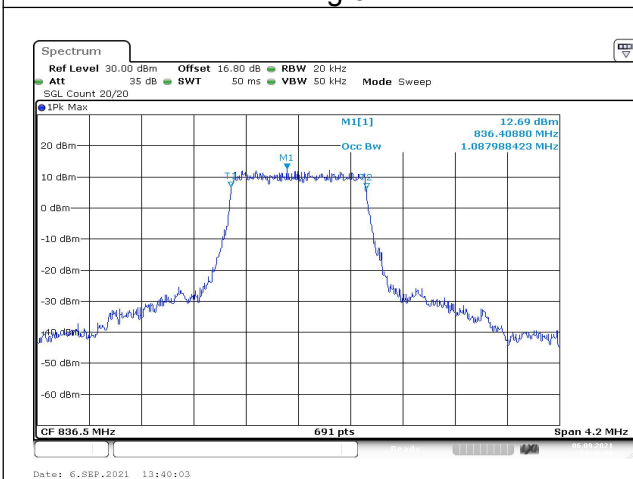


Fig.5

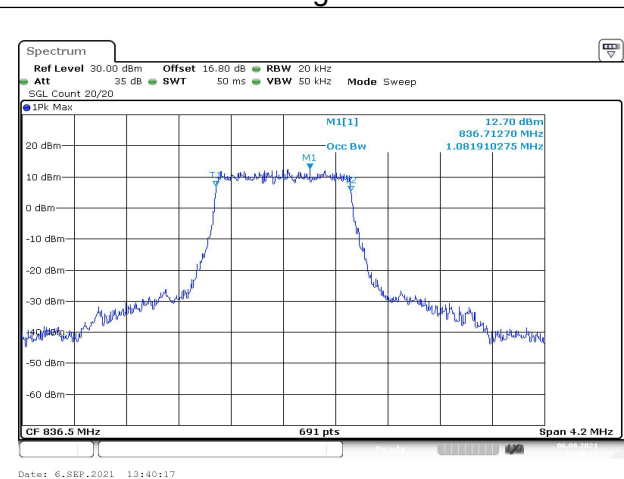


Fig.6

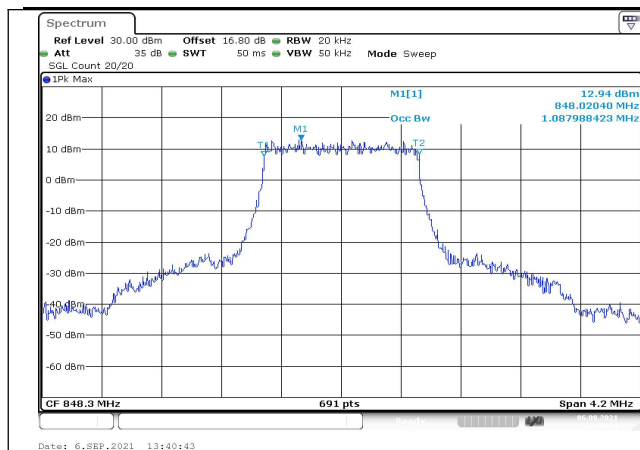


Fig.7

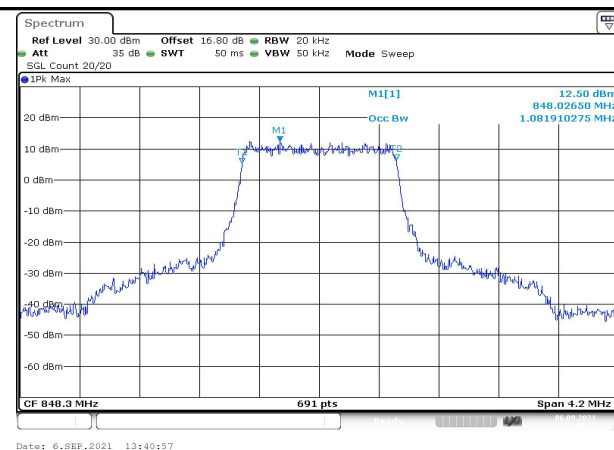


Fig.8

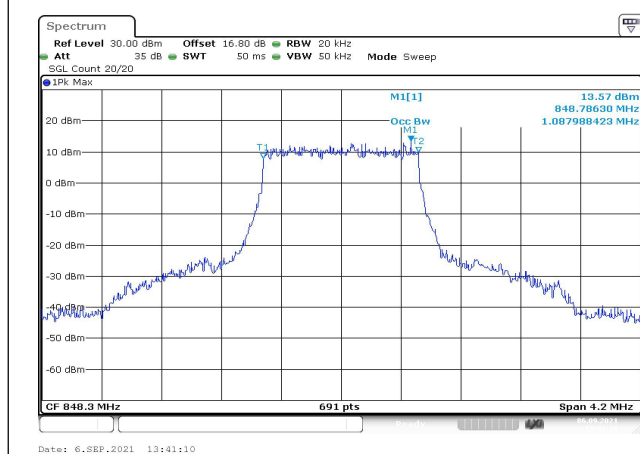


Fig.9

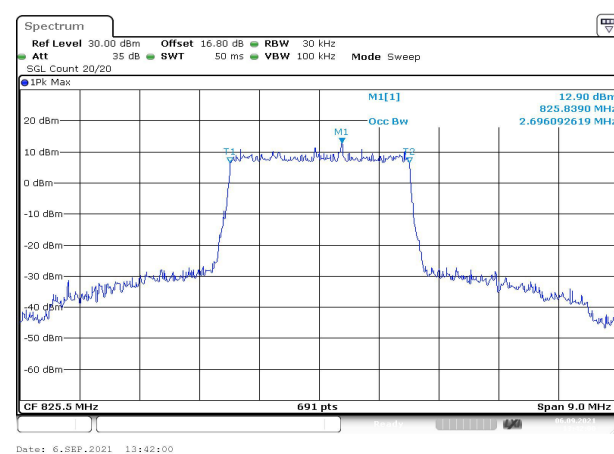


Fig.10

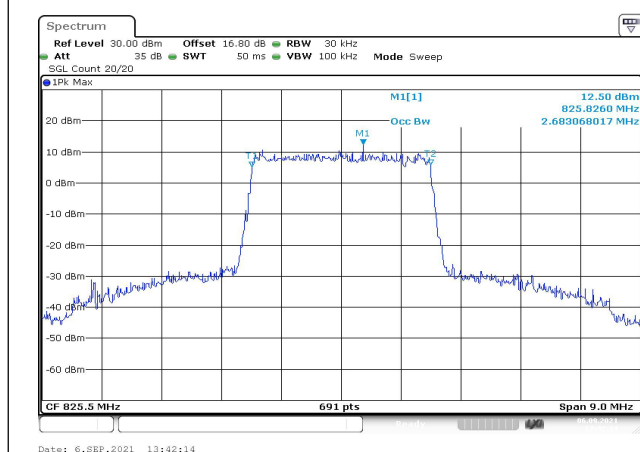


Fig.11

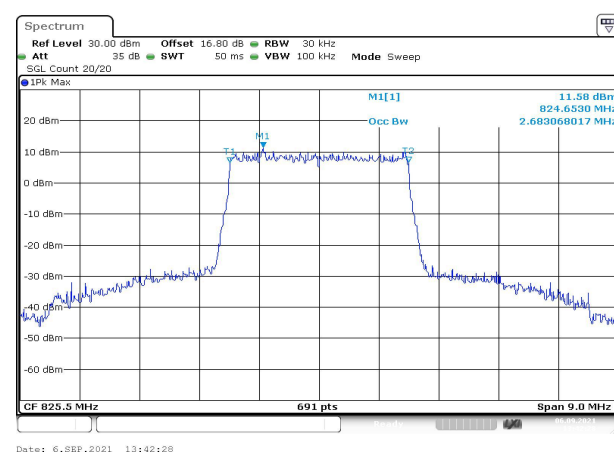


Fig.12

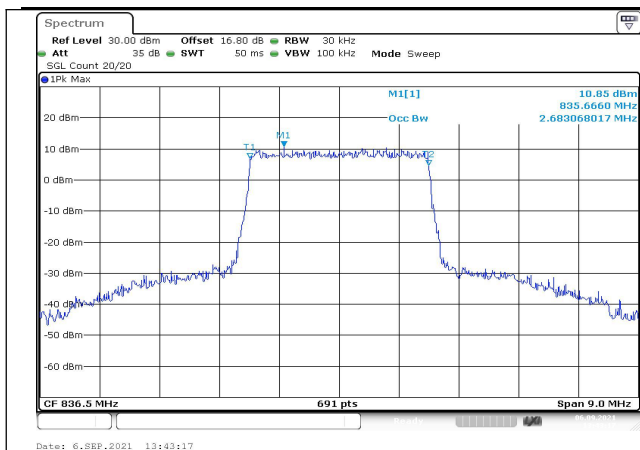


Fig.13

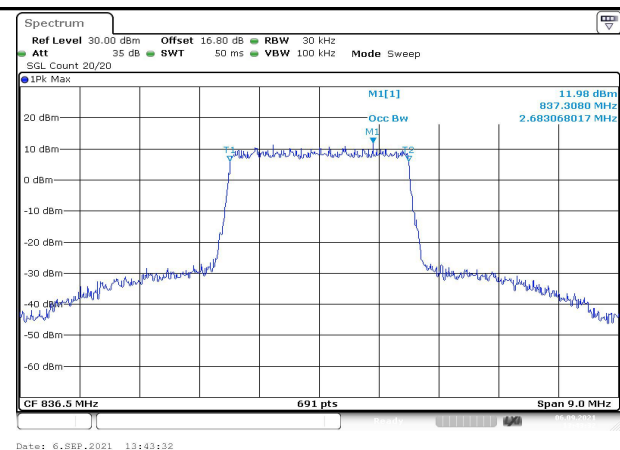


Fig.14

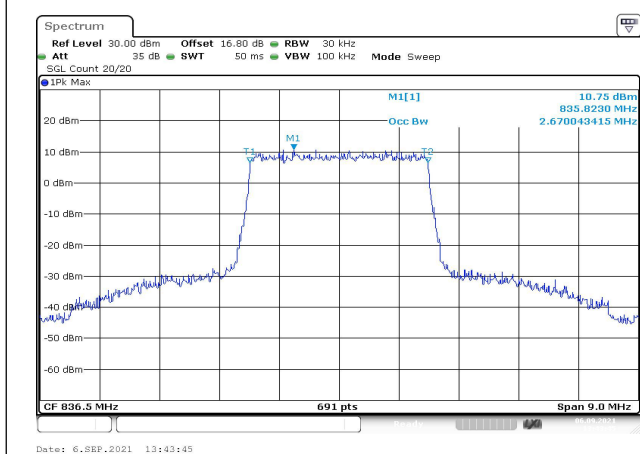


Fig.15

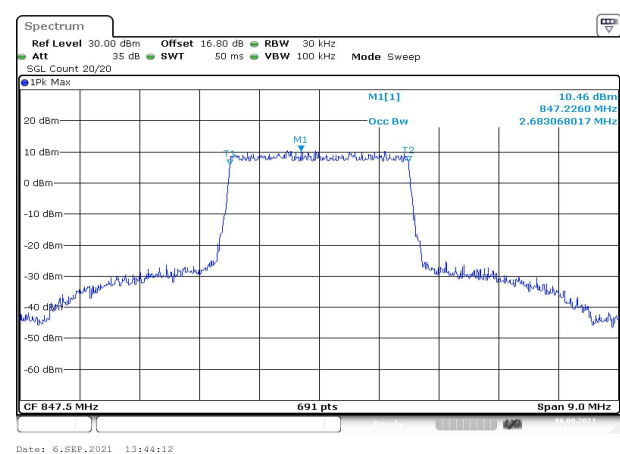


Fig.16

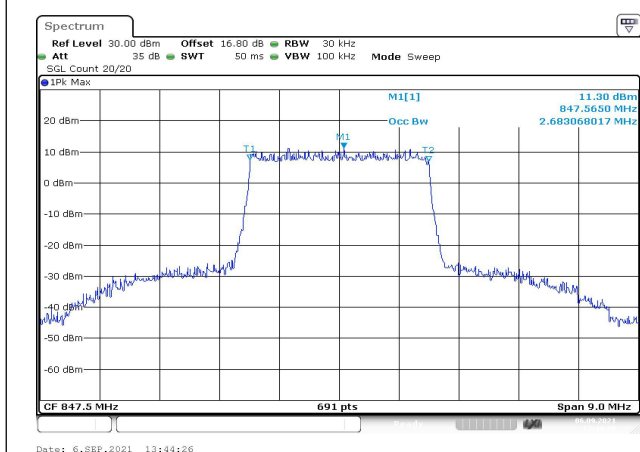


Fig.17

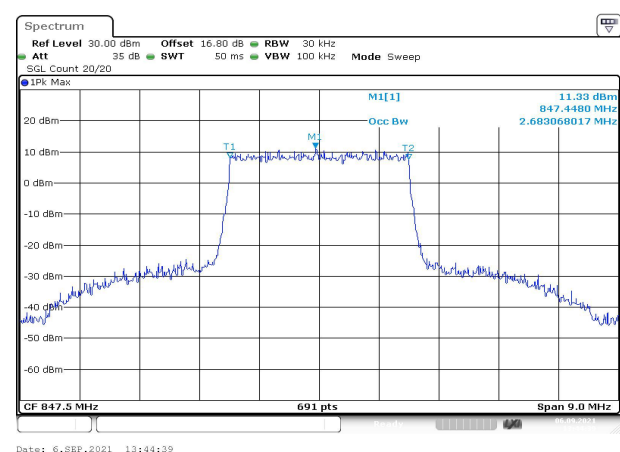
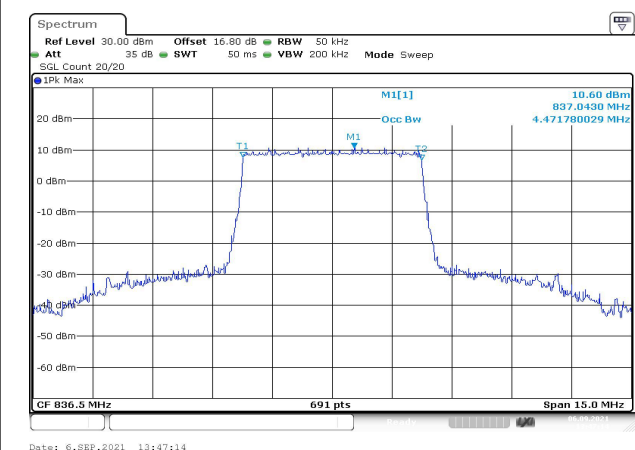
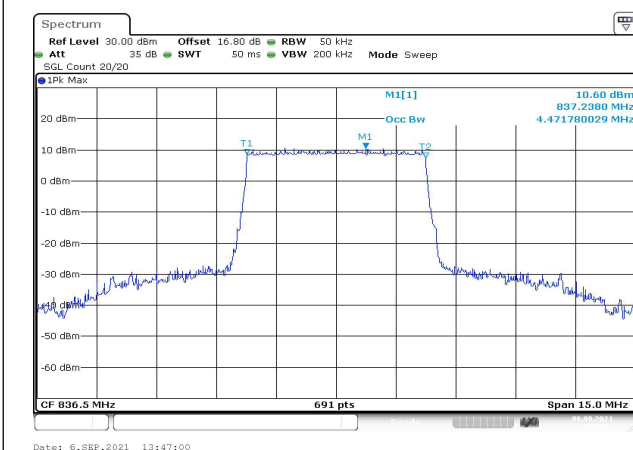
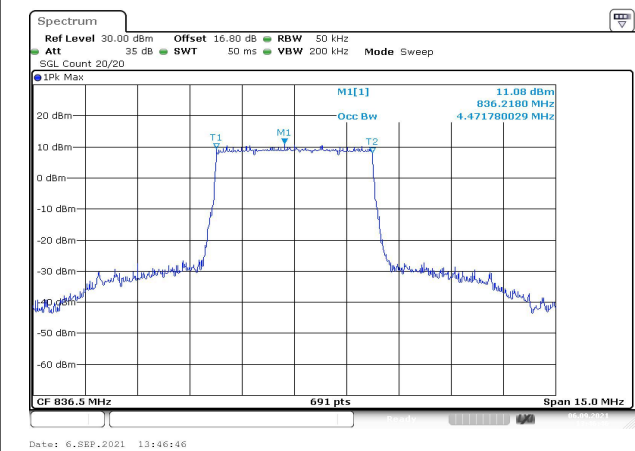
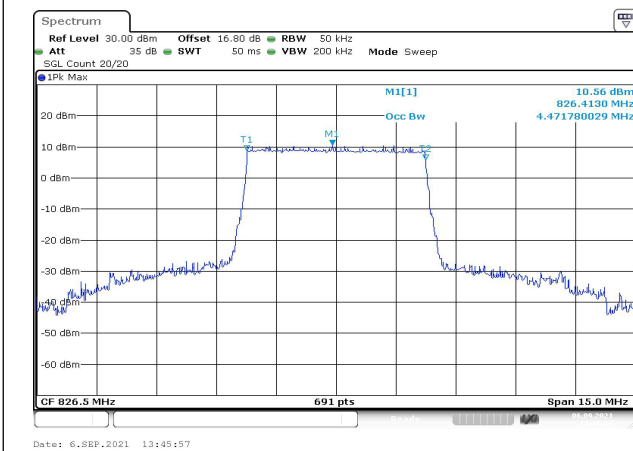
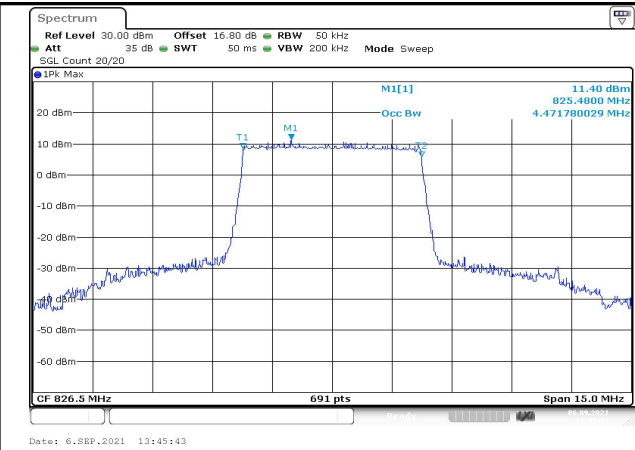
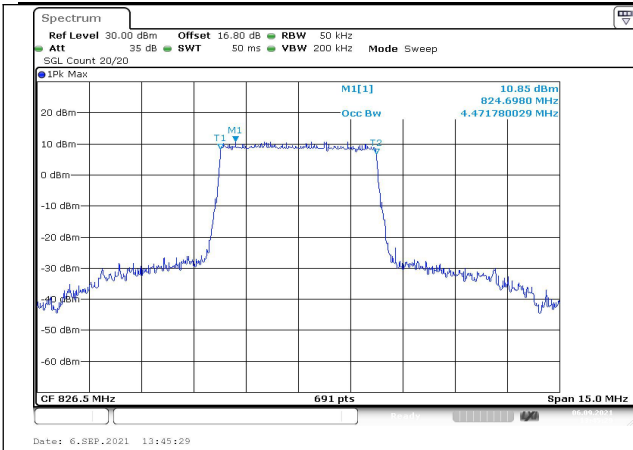


Fig.18



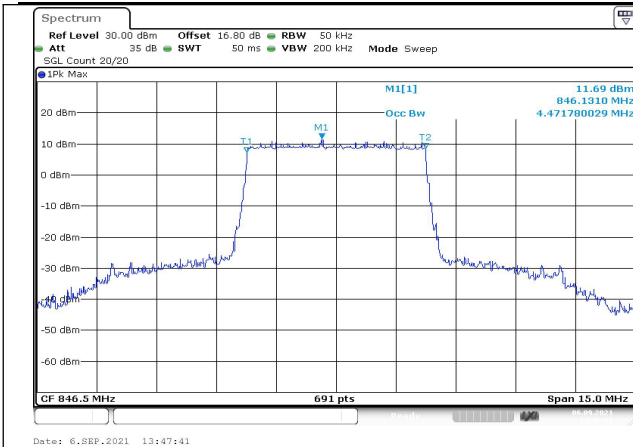


Fig.25

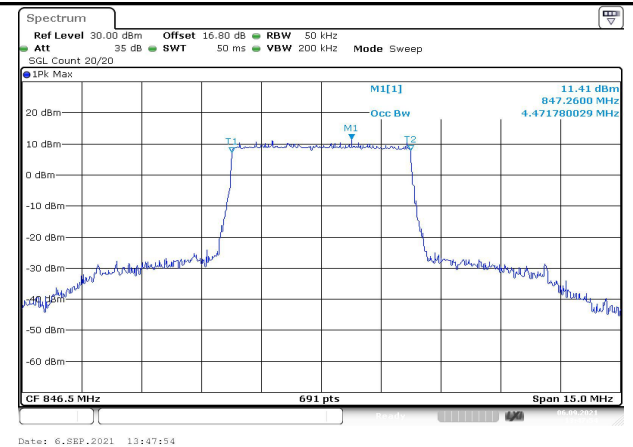


Fig.26

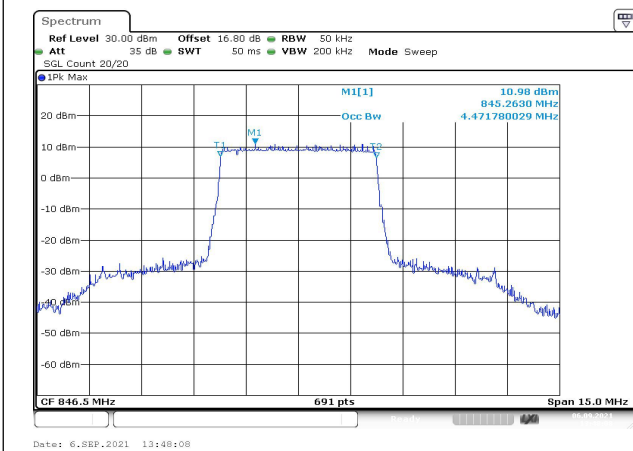


Fig.27

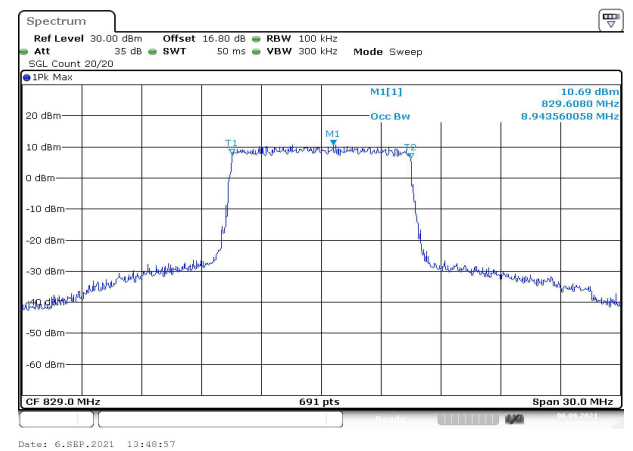


Fig.28

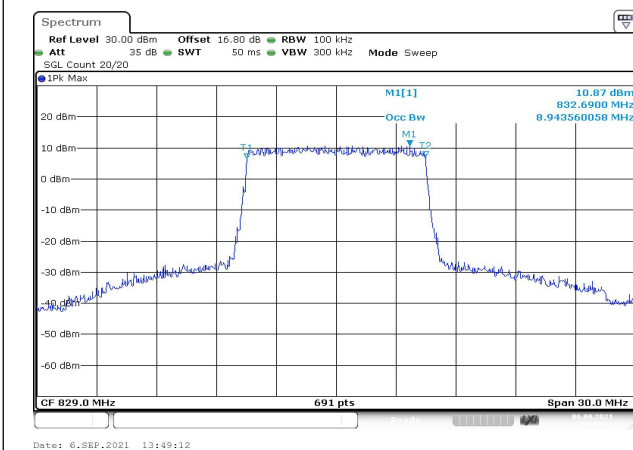


Fig.29

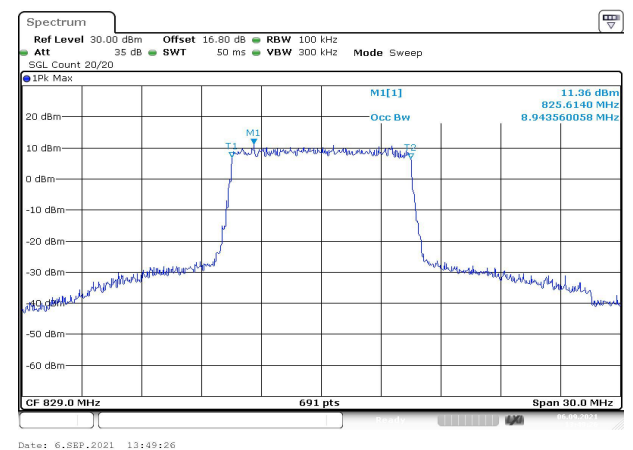


Fig.30