

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)
16QAM	824.7	20407	1.4	1	0	21.46
				1	3	22.03
				1	5	21.41
				3	0	21.52
				3	1	21.60
				3	3	21.55
	836.5	20525		6	0	20.52
				1	0	21.74
				1	3	21.67
				1	5	22.15
				3	0	21.42
				3	1	21.43
	848.3	20643		3	3	21.57
				6	0	20.57
				1	0	21.76
				1	3	21.83
				1	5	21.65
				3	0	21.33
64QAM	824.7	20407	3	1	21.42	
			3	3	21.37	
			6	0	20.49	
			1	0	20.86	
			1	3	20.95	
			1	5	20.84	
	836.5	20525	3	0	20.64	
			3	1	20.72	
			3	3	20.65	
			6	0	19.52	
			1	0	20.44	
			1	3	20.35	
	848.3	20643	1	5	20.29	
			3	0	20.51	
			3	1	20.79	
			3	3	20.54	
			6	0	19.53	
			1	0	20.24	
			1	3	20.49	
			1	5	20.54	
			3	0	20.41	
			3	1	20.26	
			3	3	20.45	
			6	0	19.45	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	22.37
				1	3	22.48
				1	5	22.42
				3	0	22.34
				3	1	22.42
				3	3	22.38
				6	0	21.47
	836.5	20525		1	0	22.36
				1	3	22.57
				1	5	22.36
				3	0	22.38
				3	1	22.40
				3	3	22.36
				6	0	21.46
	848.3	20643		1	0	22.40
				1	3	22.51
				1	5	22.41
				3	0	22.35
				3	1	22.34
				3	3	22.33
				6	0	21.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
16QAM	825.5	20415	3	1	0	22.30	
				1	8	22.27	
				1	14	22.00	
				8	0	20.71	
				8	4	20.68	
				8	7	20.71	
				15	0	20.71	
	836.5	20525		1	0	21.70	
				1	8	21.81	
				1	14	21.73	
				8	0	20.54	
				8	4	20.51	
				8	7	20.47	
				15	0	20.49	
	847.5	20635		1	0	21.90	
				1	8	21.74	
				1	14	21.70	
				8	0	20.59	
				8	4	20.63	
				8	7	20.55	
				15	0	20.57	
	64QAM	825.5		20415	1	0	21.02
					1	8	20.95
					1	14	20.91
8			0		19.78		
8			4		19.70		
8			7		19.72		
15			0		19.51		
836.5		20525	1	0	20.33		
			1	8	20.32		
			1	14	20.38		
			8	0	19.49		
			8	4	19.61		
			8	7	19.57		
			15	0	19.49		
847.5		20635	1	0	20.35		
			1	8	20.37		
			1	14	20.28		
			8	0	19.72		
			8	4	19.68		
			8	7	19.58		
			15	0	19.68		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	22.67
				1	8	22.67
				1	14	22.53
				8	0	21.68
				8	4	21.60
				8	7	21.60
				15	0	21.64
	836.5	20525		1	0	22.46
				1	8	22.44
				1	14	22.36
				8	0	21.52
				8	4	21.56
				8	7	21.50
				15	0	21.48
	847.5	20635		1	0	22.39
				1	8	22.60
				1	14	22.54
				8	0	21.57
				8	4	21.59
				8	7	21.52
				15	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	826.5	20425	5	1	0	21.88
				1	12	21.72
				1	24	21.79
				12	0	20.61
				12	7	20.60
				12	13	20.55
	836.5	20525		25	0	20.63
				1	0	22.05
				1	12	21.96
				1	24	22.01
				12	0	20.54
				12	7	20.49
	846.5	20625		12	13	20.44
				25	0	20.53
				1	0	21.99
				1	12	21.98
				1	24	22.00
				12	0	20.49
64QAM	826.5	20425	12	7	20.50	
			12	13	20.59	
			25	0	20.59	
			1	0	20.68	
			1	12	20.56	
			1	24	20.37	
	836.5	20525	12	0	19.62	
			12	7	19.60	
			12	13	19.56	
			25	0	19.69	
			1	0	20.90	
			1	12	20.66	
	846.5	20625	1	24	20.85	
			12	0	19.71	
			12	7	19.73	
			12	13	19.67	
			25	0	19.63	
			1	0	20.78	
			1	12	21.16	
			1	24	20.88	
			12	0	19.73	
			12	7	19.55	
			12	13	19.68	
			25	0	19.54	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	846.5	20625	5	1	0	22.51
				1	12	22.45
				1	24	22.50
				12	0	21.61
	826.5	20425		1	0	22.54
				1	12	22.46
				1	24	22.51
				12	0	21.69
				12	7	21.55
				12	13	21.56
				25	0	21.60
				1	0	22.58
	836.5	20525		1	12	22.36
				1	24	22.63
				12	0	21.57
				12	7	21.53
				12	13	21.57
				25	0	21.53
				12	7	21.55
	846.5	20625		12	13	21.65
25			0	21.54		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	829	20450	10	1	0	22.36
				1	25	22.61
				1	49	22.48
				25	0	20.71
				25	12	20.69
				25	25	20.59
	836.5	20525		50	0	20.65
				1	0	21.72
				1	25	21.64
				1	49	21.60
				25	0	20.58
				25	12	20.67
	844	20600		25	25	20.59
				50	0	20.52
				1	0	21.81
				1	25	21.72
				1	49	21.77
				25	0	20.58
64QAM	829	20450	25	12	20.63	
			25	25	20.65	
			50	0	20.52	
			1	0	20.87	
			1	25	20.88	
			1	49	20.62	
	836.5	20525	25	0	19.71	
			25	12	19.67	
			25	25	19.63	
			50	0	19.74	
			1	0	20.40	
			1	25	20.44	
	844	20600	1	49	20.44	
			25	0	19.60	
			25	12	19.65	
			25	25	19.65	
			50	0	19.69	
			1	0	20.37	
			1	25	20.21	
			1	49	20.19	
			25	0	19.59	
			25	12	19.53	
			25	25	19.75	
			50	0	19.56	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	22.35
				1	25	22.50
				1	49	22.48
				25	0	21.67
				25	12	21.66
				25	25	21.58
				50	0	21.62
	836.5	20525		1	0	22.59
				1	25	22.37
				1	49	22.49
				25	0	21.54
				25	12	21.60
				25	25	21.49
				50	0	21.54
	844	20600		1	0	22.51
				1	25	22.44
				1	49	22.54
				25	0	21.55
				25	12	21.52
				25	25	21.58
				50	0	21.56

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 5	QPSK	824.7	20407	1.4	6	0	1.082	Fig.1
Band 5	QPSK	836.5	20525	1.4	6	0	1.082	Fig.2
Band 5	QPSK	848.3	20643	1.4	6	0	1.088	Fig.3
Band 5	QPSK	825.5	20415	3	15	0	2.670	Fig.4
Band 5	QPSK	836.5	20525	3	15	0	2.683	Fig.5
Band 5	QPSK	847.5	20635	3	15	0	2.683	Fig.6
Band 5	QPSK	826.5	20425	5	25	0	4.472	Fig.7
Band 5	QPSK	836.5	20525	5	25	0	4.472	Fig.8
Band 5	QPSK	846.5	20625	5	25	0	4.472	Fig.9
Band 5	QPSK	829	20450	10	50	0	8.944	Fig.10
Band 5	QPSK	836.5	20525	10	50	0	8.987	Fig.11
Band 5	QPSK	844	20600	10	50	0	8.944	Fig.12
Band 5	QPSK	844	20600	10	50	0	8.944	Fig.13

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 5	16QAM	824.7	20407	1.4	6	0	1.082	Fig.14
Band 5	16QAM	836.5	20525	1.4	6	0	1.082	Fig.15
Band 5	16QAM	848.3	20643	1.4	6	0	1.088	Fig.16
Band 5	16QAM	825.5	20415	3	15	0	2.683	Fig.17
Band 5	16QAM	836.5	20525	3	15	0	2.696	Fig.18
Band 5	16QAM	847.5	20635	3	15	0	2.683	Fig.19
Band 5	16QAM	847.5	20635	3	15	0	2.683	Fig.20
Band 5	16QAM	826.5	20425	5	25	0	4.472	Fig.21
Band 5	16QAM	836.5	20525	5	25	0	4.472	Fig.22
Band 5	16QAM	846.5	20625	5	25	0	4.472	Fig.23
Band 5	16QAM	829	20450	10	50	0	8.944	Fig.24
Band 5	16QAM	836.5	20525	10	50	0	8.944	Fig.25
Band 5	16QAM	844	20600	10	50	0	8.944	Fig.26
Band 5	16QAM	844	20600	10	50	0	8.944	Fig.27

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
Band 5	64QAM	824.7	20407	1.4	6	0	1.082	Fig.28
Band 5	64QAM	836.5	20525	1.4	6	0	1.088	Fig.29
Band 5	64QAM	848.3	20643	1.4	6	0	1.076	Fig.30
Band 5	64QAM	825.5	20415	3	15	0	2.683	Fig.31
Band 5	64QAM	836.5	20525	3	15	0	2.683	Fig.32
Band 5	64QAM	847.5	20635	3	15	0	2.670	Fig.33
Band 5	64QAM	847.5	20635	3	15	0	2.683	Fig.34
Band 5	64QAM	826.5	20425	5	25	0	4.493	Fig.35
Band 5	64QAM	836.5	20525	5	25	0	4.472	Fig.36
Band 5	64QAM	846.5	20625	5	25	0	4.472	Fig.37
Band 5	64QAM	829	20450	10	50	0	8.944	Fig.38
Band 5	64QAM	836.5	20525	10	50	0	8.944	Fig.39
Band 5	64QAM	844	20600	10	50	0	8.944	Fig.40
Band 5	64QAM	844	20600	10	50	0	8.944	Fig.41

Test Mode: QPSK

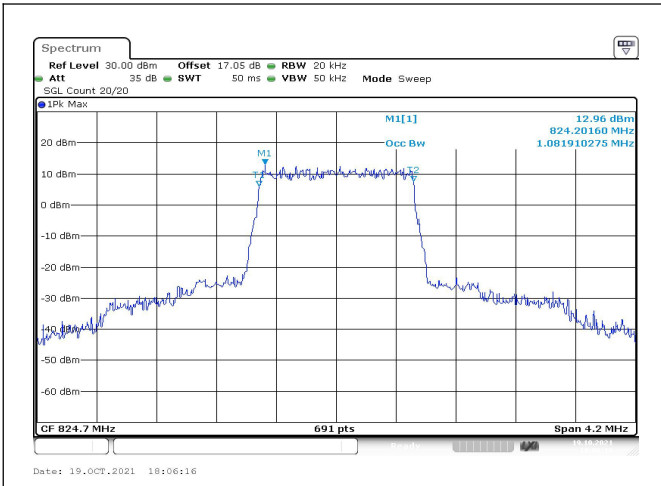


Fig.1

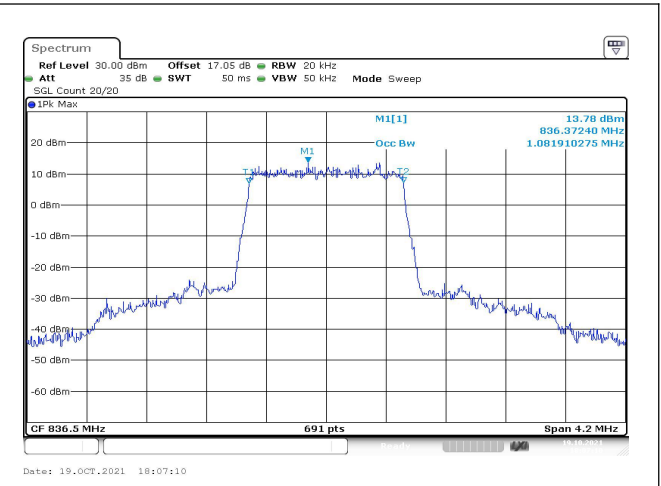


Fig.2

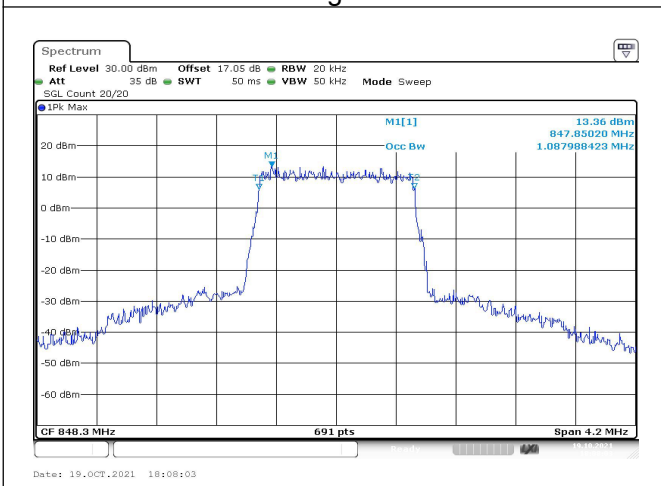


Fig.3

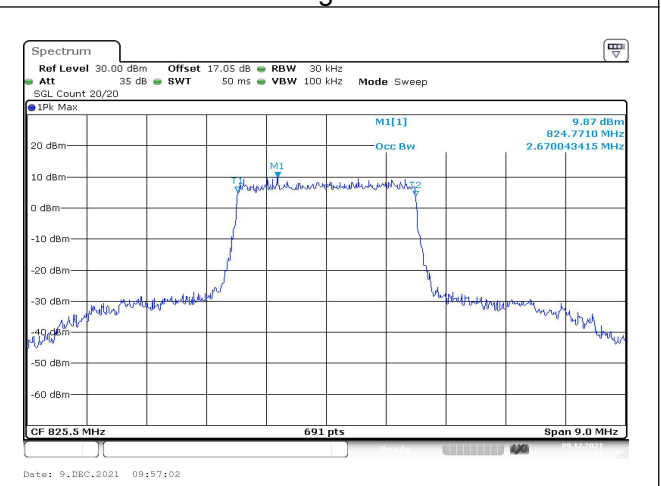


Fig.4

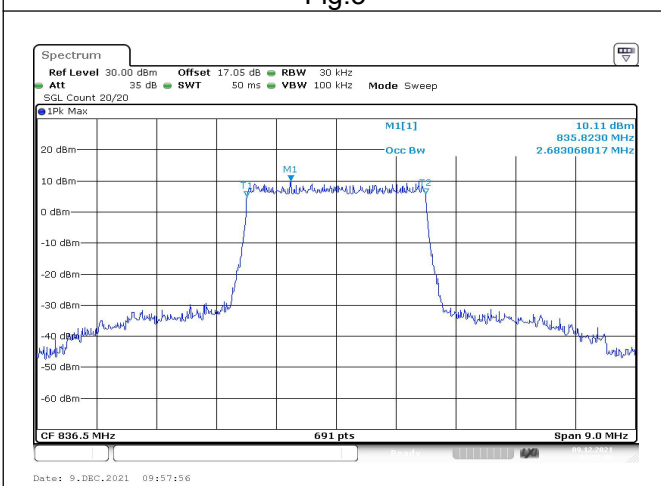


Fig.5

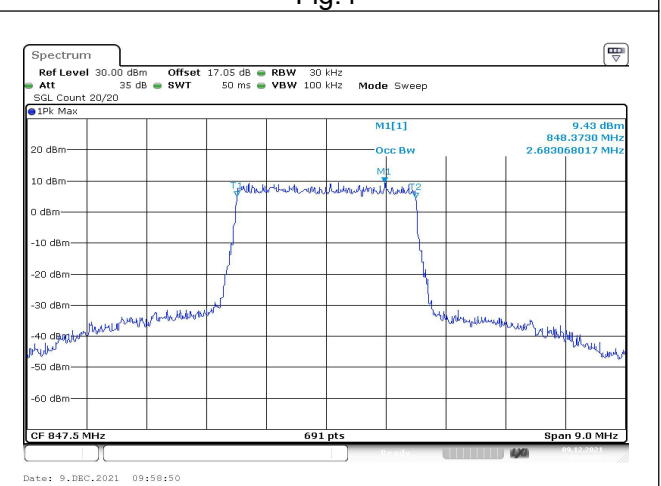


Fig.6

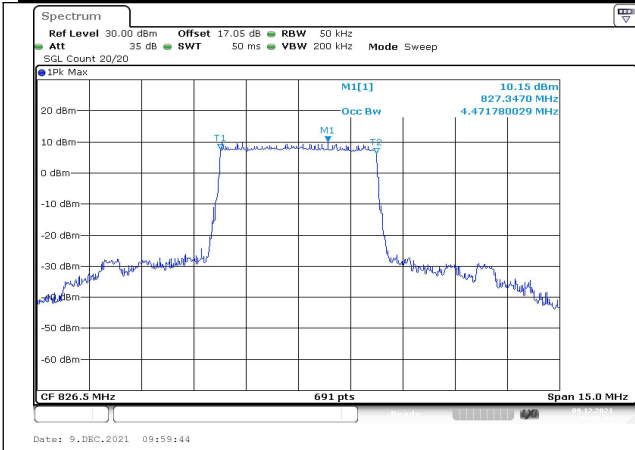


Fig.7

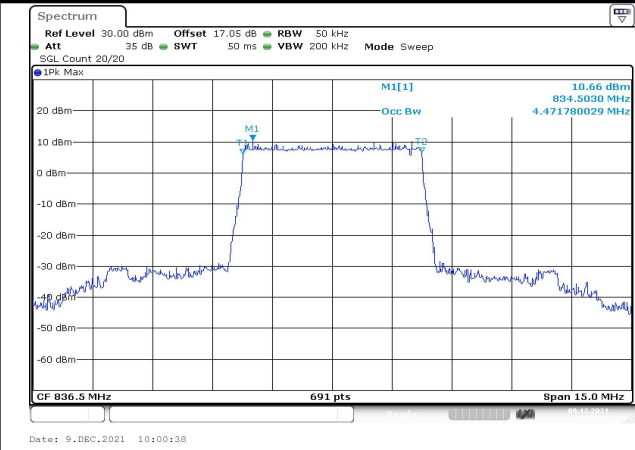


Fig.8

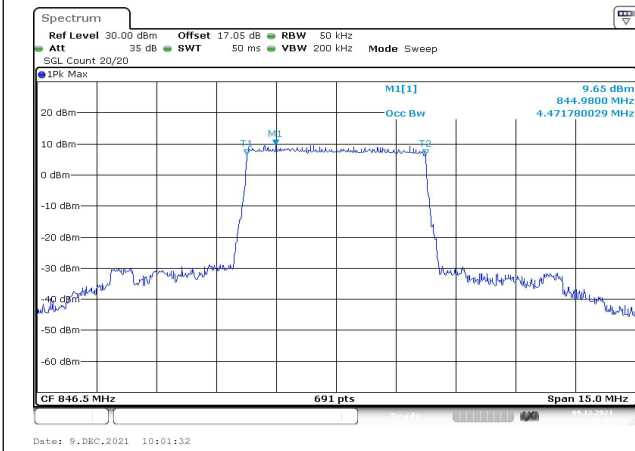


Fig.9

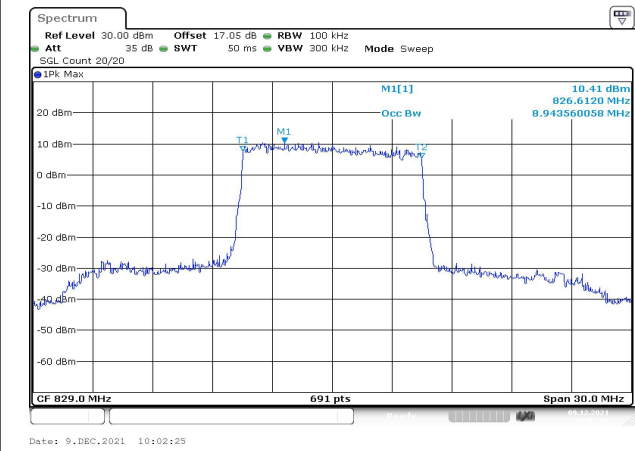


Fig.10

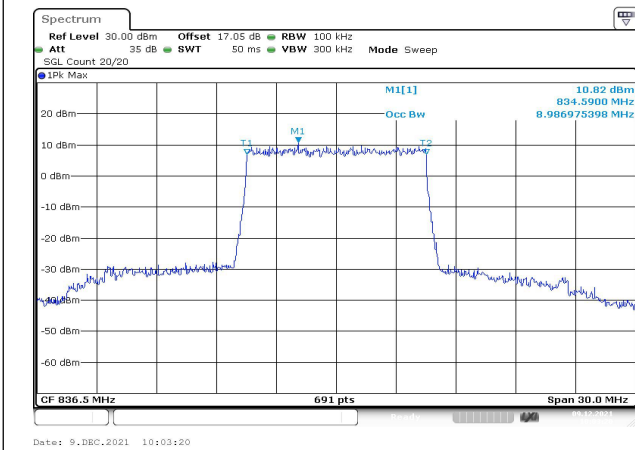


Fig.11

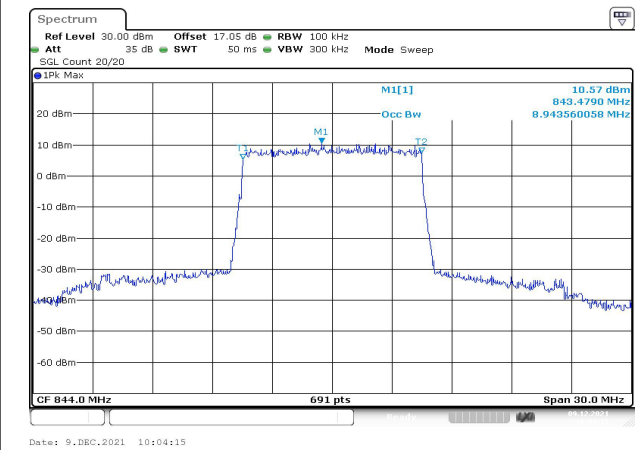


Fig.12

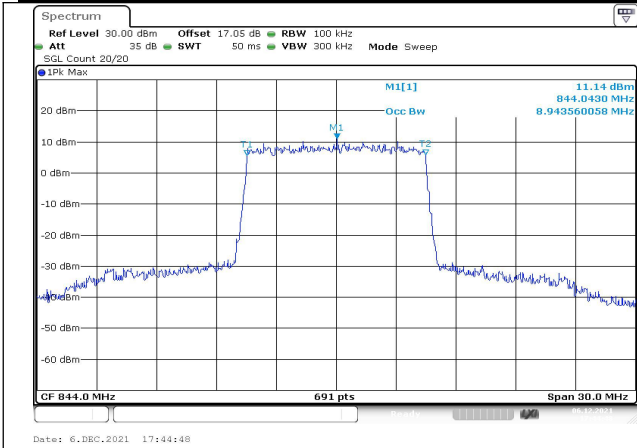


Fig.13

Test Mode: 16QAM

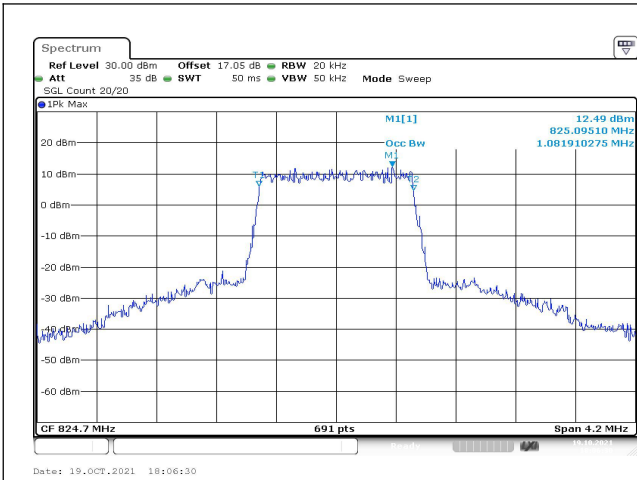


Fig.14

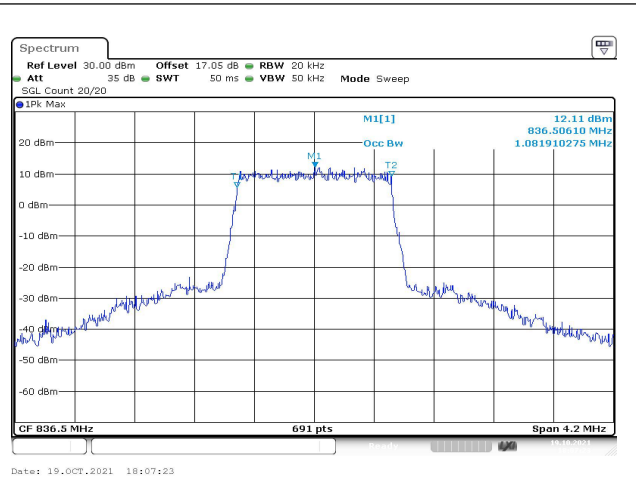


Fig.15

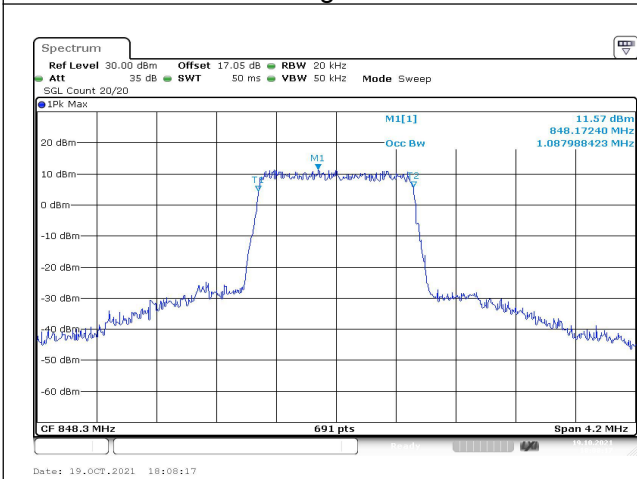


Fig.16

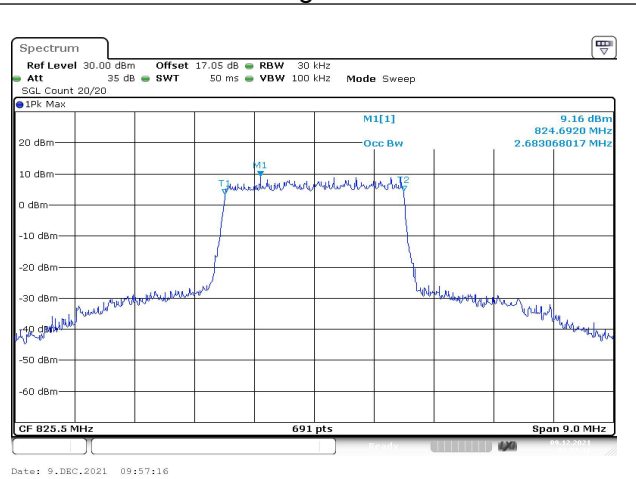
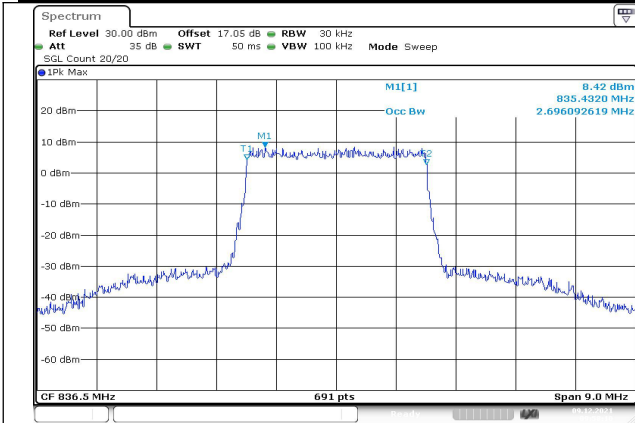
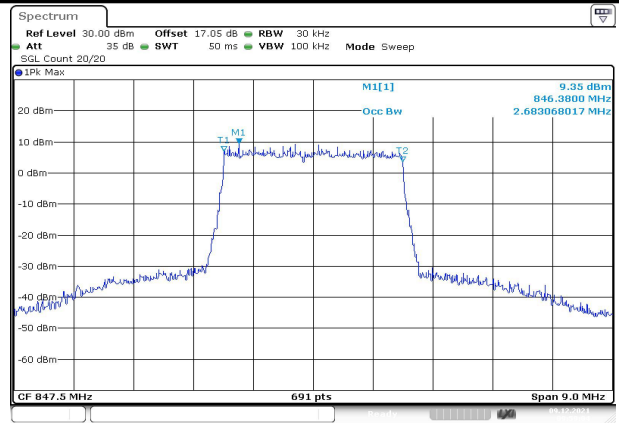


Fig.17



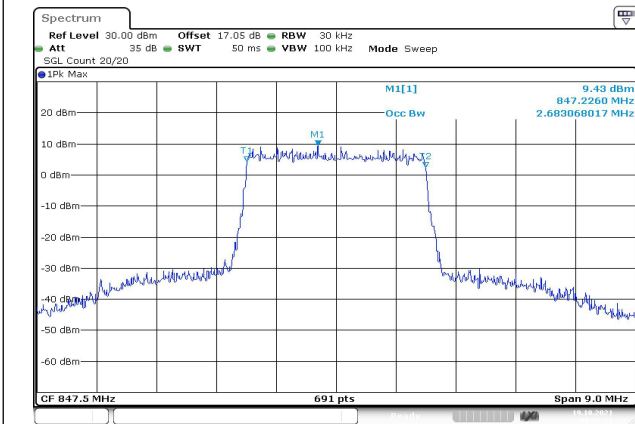
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Fig.18



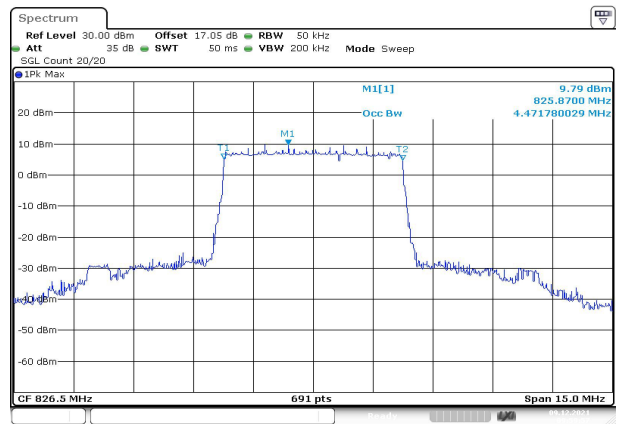
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Fig.19



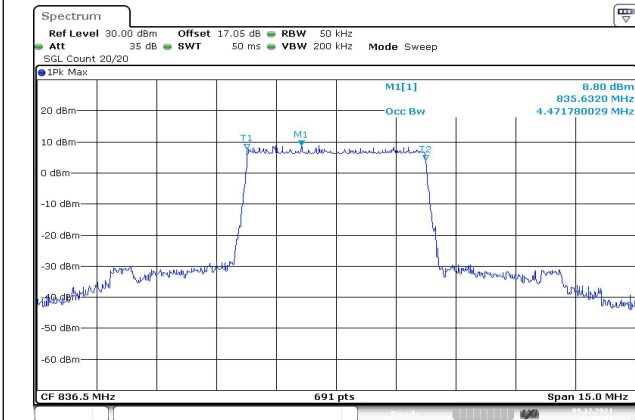
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Fig.20



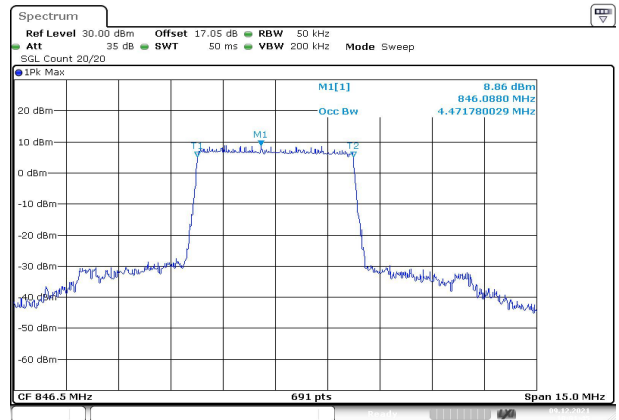
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Fig.21



Date: 9.DEC.2021 10:00:52

Fig.22



Date: 9.DEC.2021 10:01:45

Fig.23

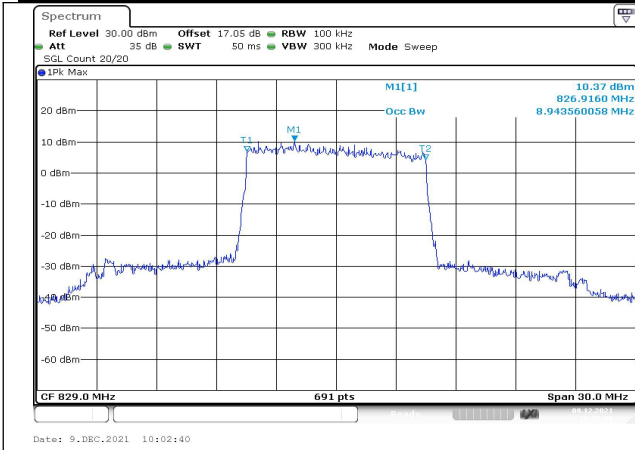


Fig.24

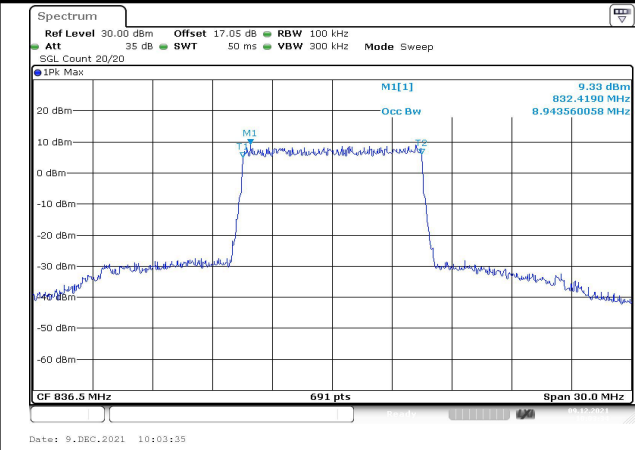


Fig.25

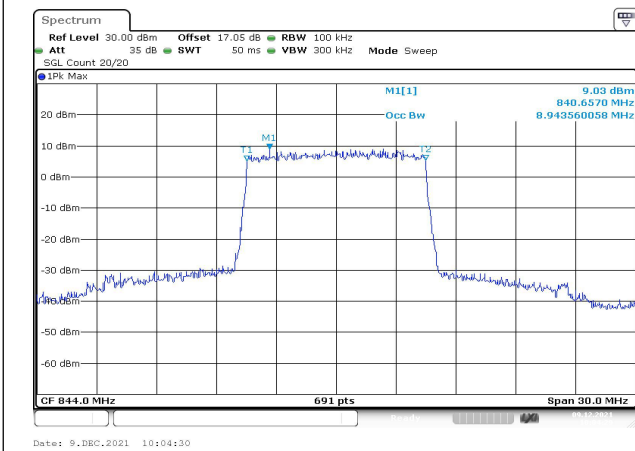


Fig.26

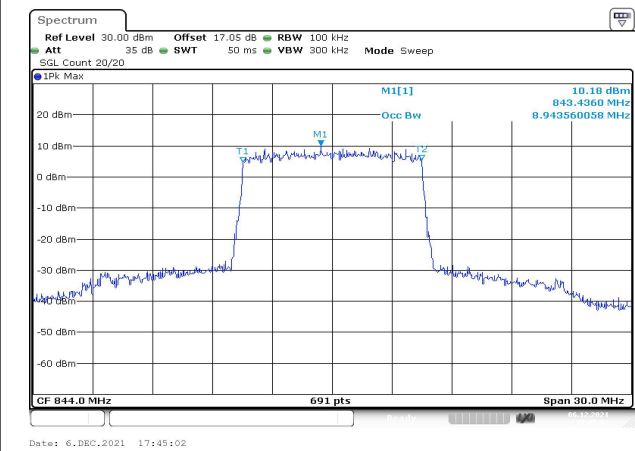


Fig.27

Test Mode: 64QAM

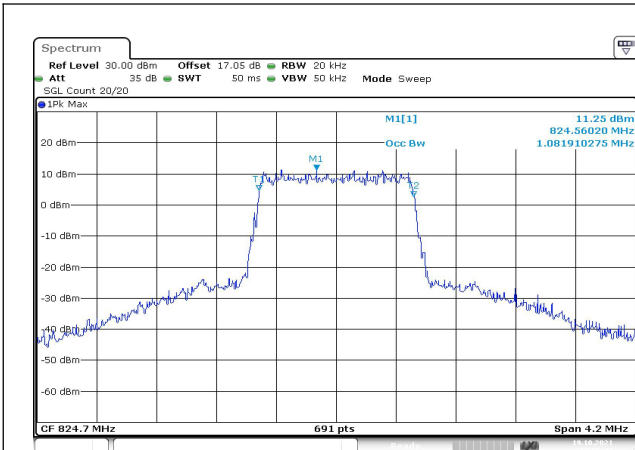


Fig.28

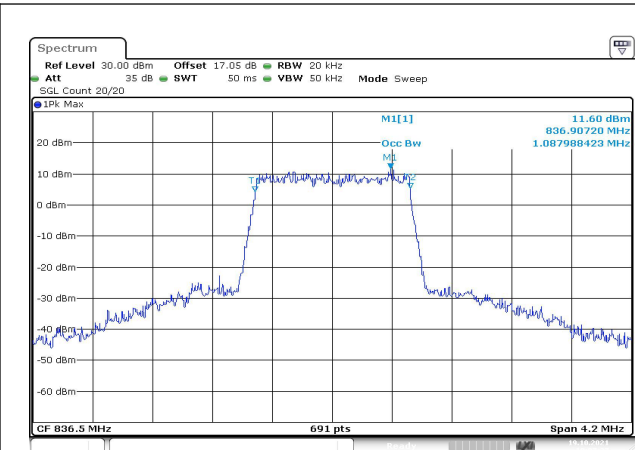


Fig.29