

**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
	836.5	20525		6	0	23.52
				1	0	24.72
				1	3	24.75
				1	5	24.75
				3	0	24.74
				3	1	24.71
	848.3	20643		3	3	24.70
				6	0	23.71
				1	0	24.64
				1	3	24.74
				1	5	24.73
				3	0	24.98
16QAM	824.7	20407	3	1	24.88	
			3	3	24.95	
			6	0	23.91	
			1	0	23.28	
			1	3	23.37	
			1	5	23.46	
	836.5	20525	3	0	23.41	
			3	1	23.40	
			3	3	23.40	
			6	0	22.32	
			1	0	24.47	
			1	3	24.45	
	848.3	20643	1	5	24.44	
			3	0	23.98	
			3	1	23.77	
			3	3	23.77	
			6	0	23.14	
			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		
	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		
	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			
	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			
	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	
	836.5	20525		25	0	23.68	
				1	0	24.45	
				1	12	24.35	
				1	24	24.44	
				12	0	23.72	
				12	7	23.64	
	846.5	20625		12	13	23.63	
				25	0	23.67	
				1	0	24.52	
				1	12	24.82	
				1	24	24.82	
				12	0	23.83	
	16QAM	826.5		20425	12	7	23.78
					12	13	23.78
					25	0	23.75
					1	0	23.23
					1	12	22.92
					1	24	22.92
836.5		20525	12	0	22.27		
			12	7	22.33		
			12	13	22.33		
			25	0	22.62		
			1	0	23.86		
			1	12	23.87		
846.5		20625	1	24	23.87		
			12	0	22.67		
			12	7	22.69		
			12	13	22.69		
			25	0	22.87		
			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

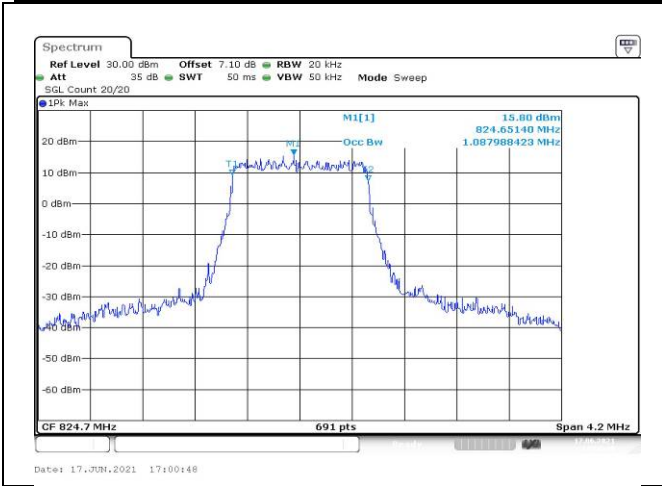


Fig.1

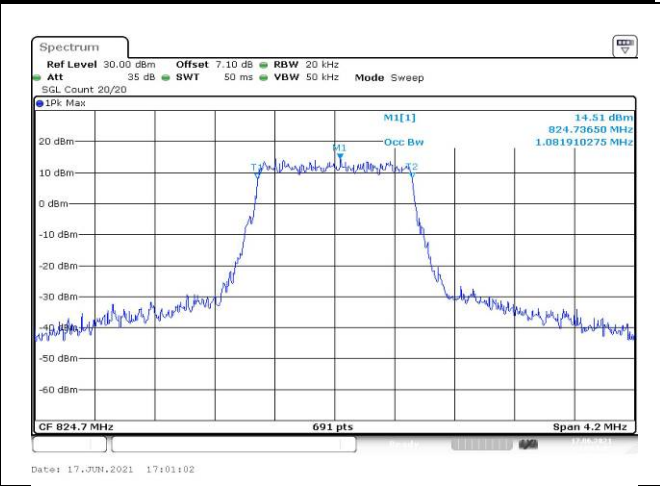


Fig.2

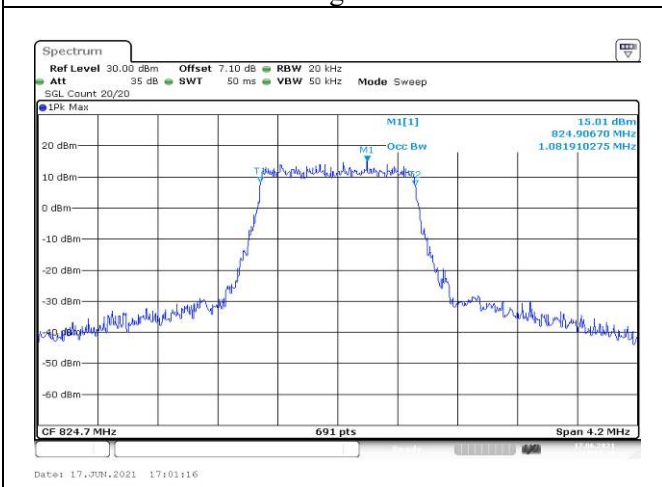


Fig.3

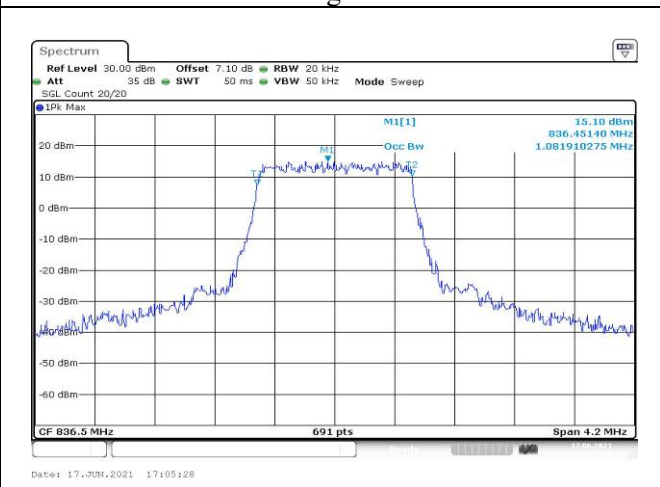


Fig.4

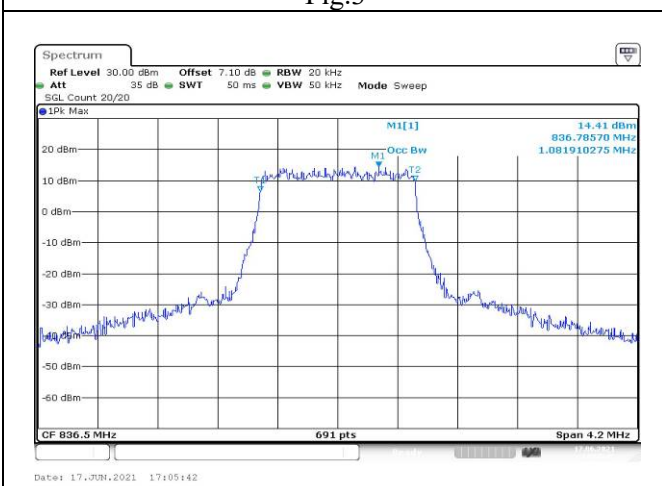


Fig.5

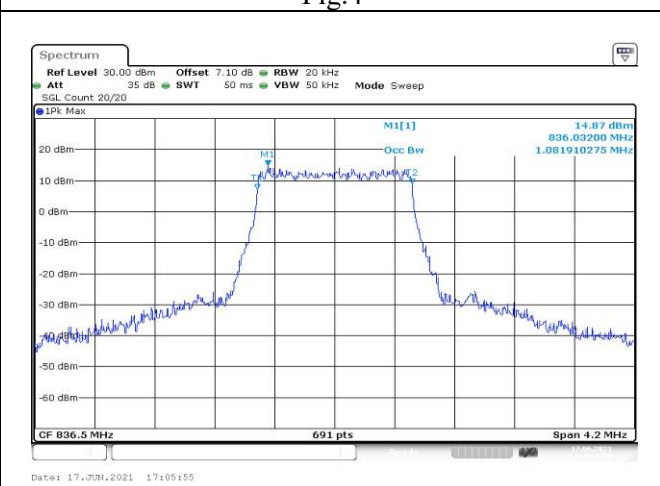


Fig.6

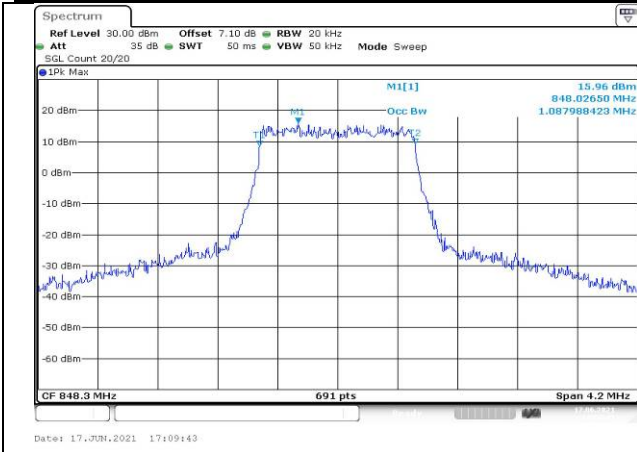


Fig.7

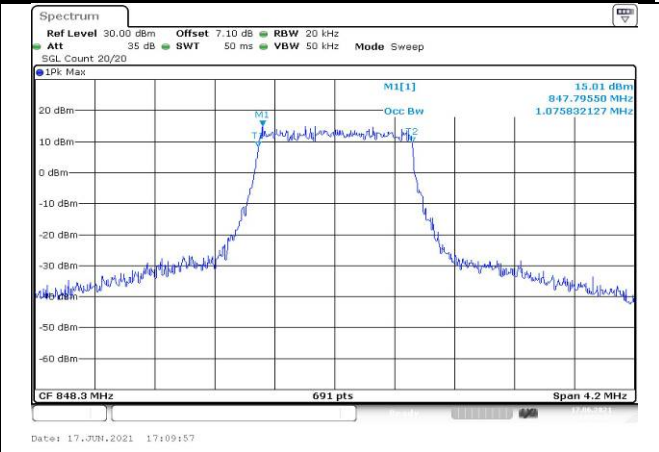


Fig.8

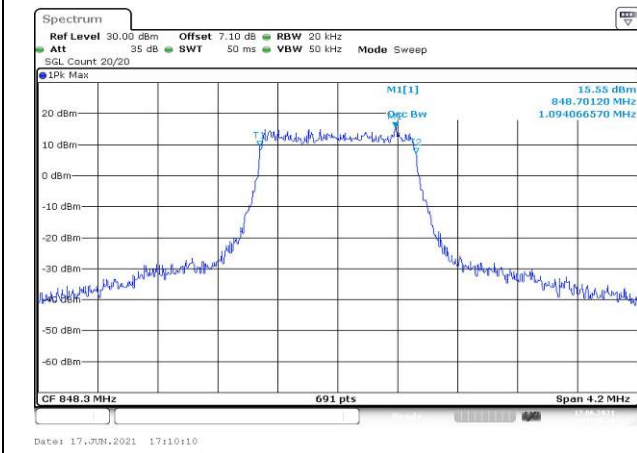


Fig.9

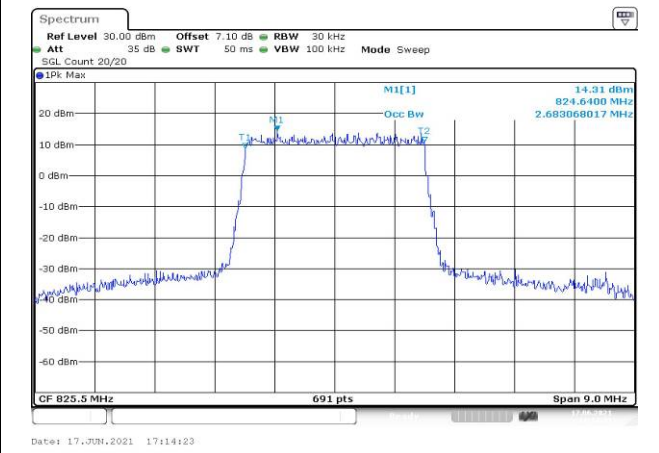


Fig.10

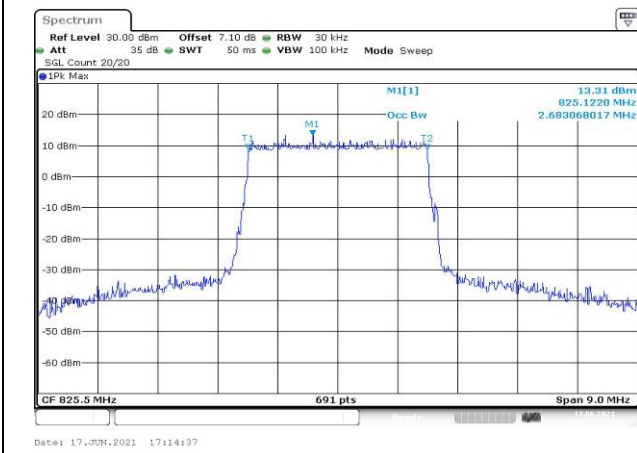


Fig.11

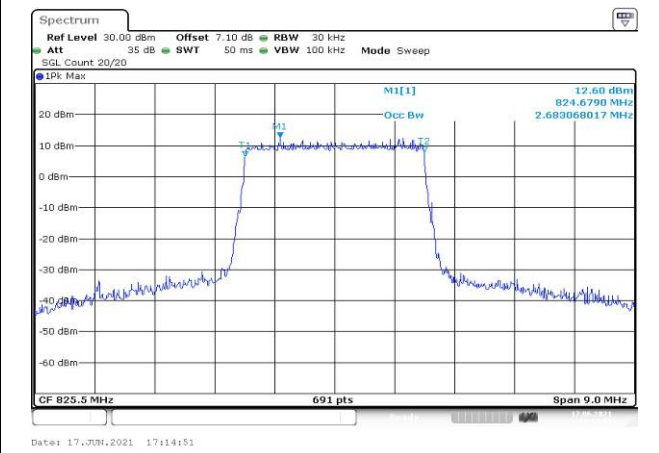


Fig.12

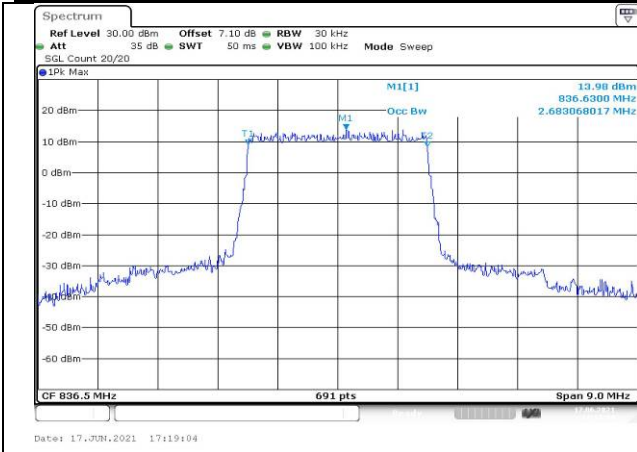


Fig.13

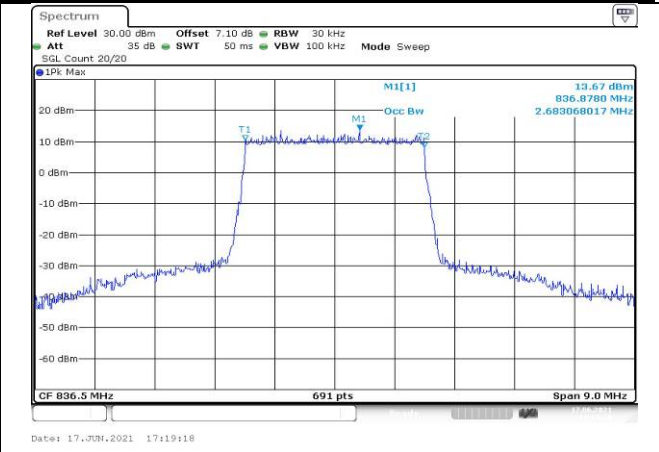


Fig.14

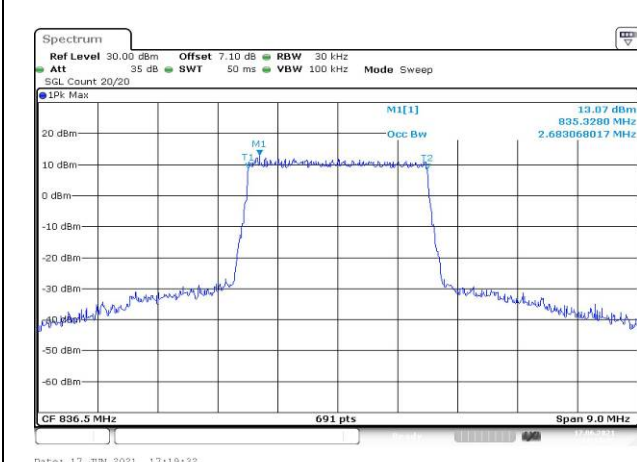


Fig.15

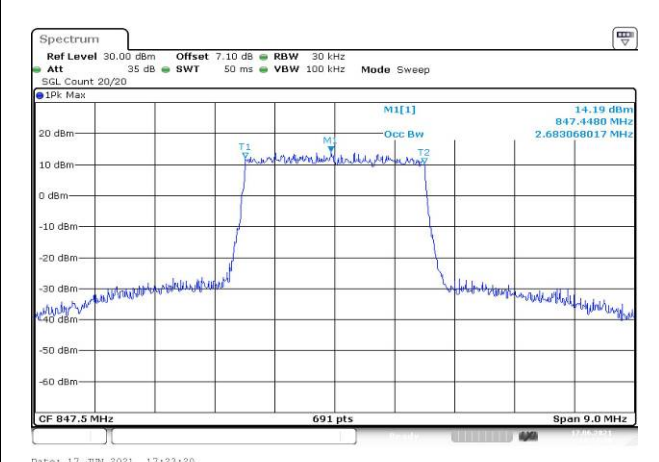


Fig.16

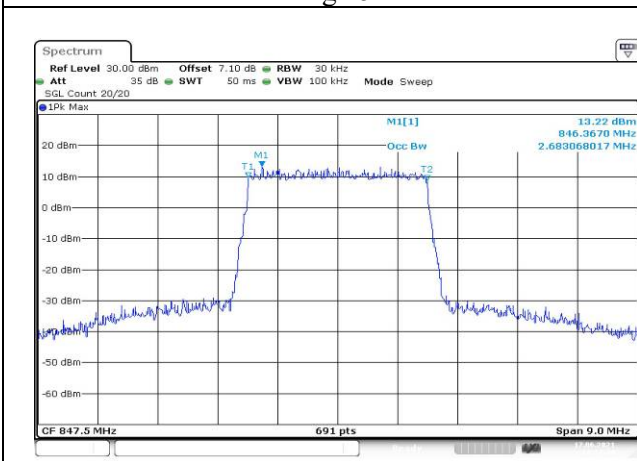


Fig.17

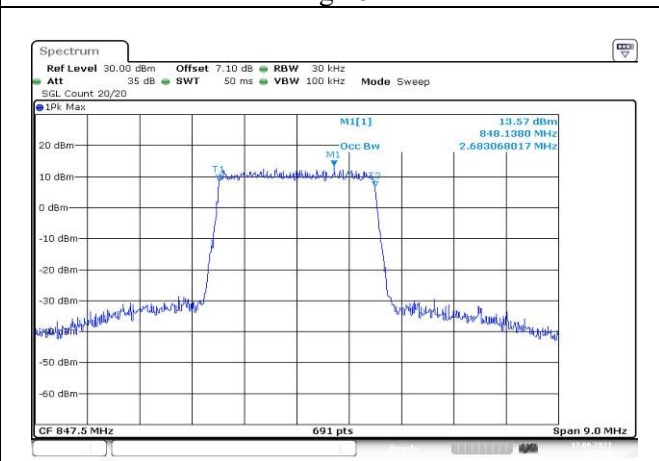


Fig.18

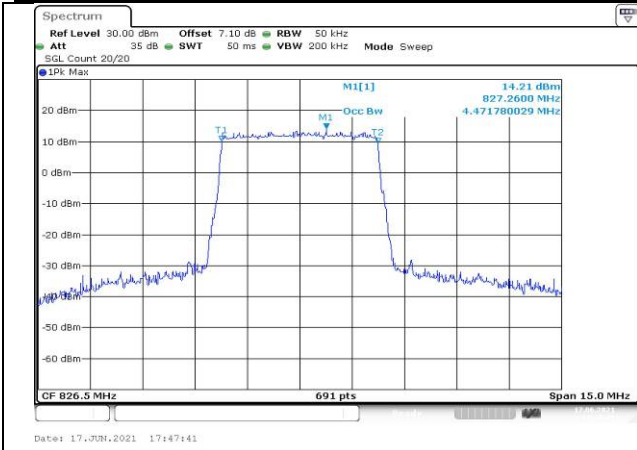


Fig.19

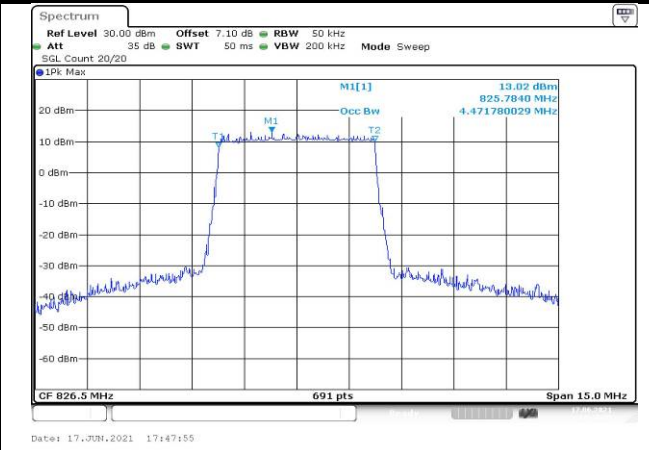


Fig.20

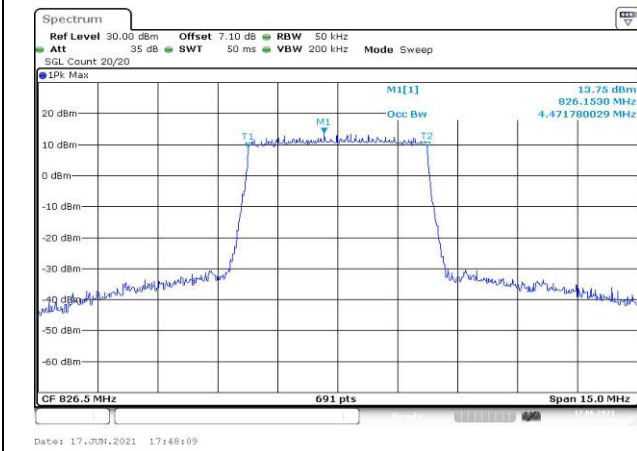


Fig.21

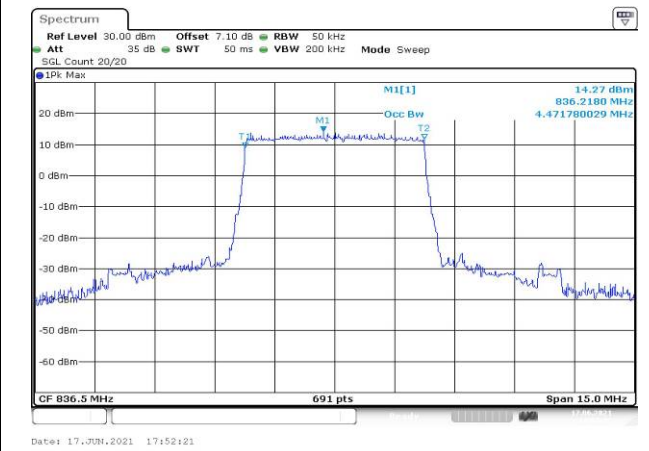


Fig.22

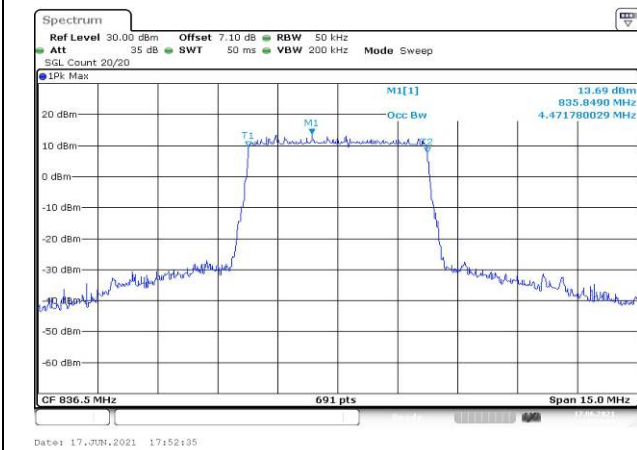


Fig.23

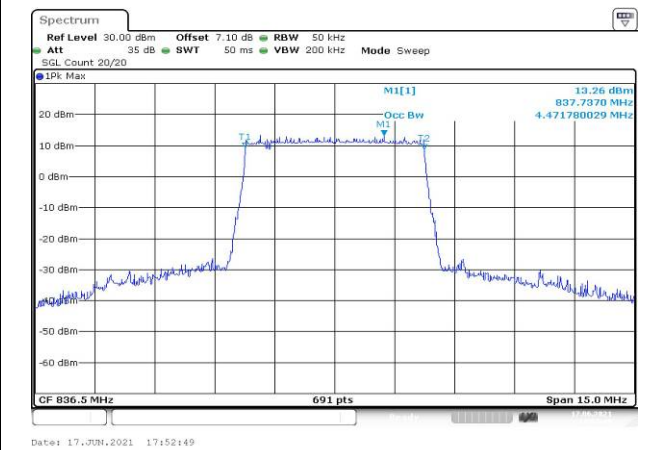


Fig.24

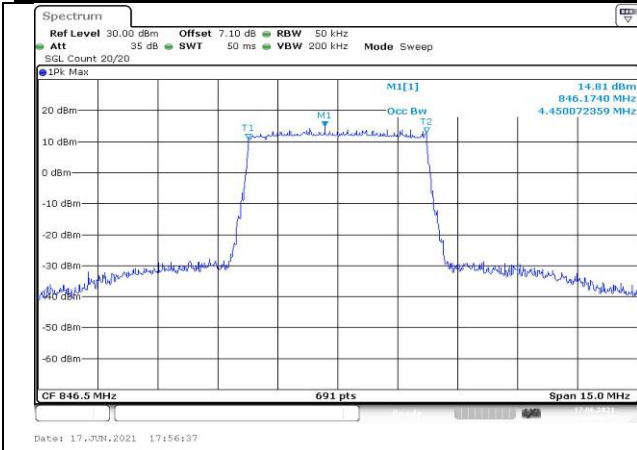


Fig.25

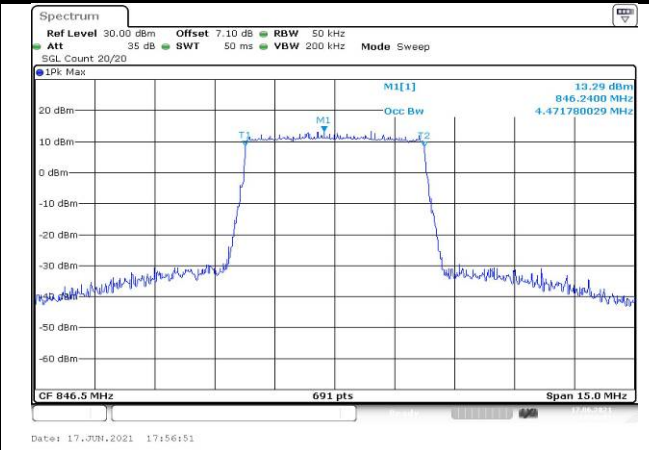


Fig.26

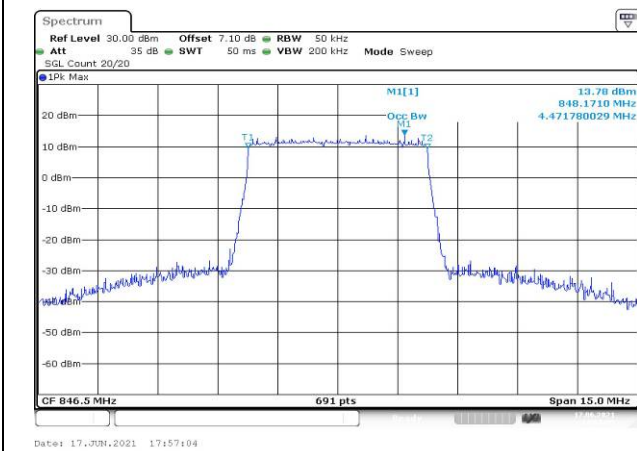


Fig.27

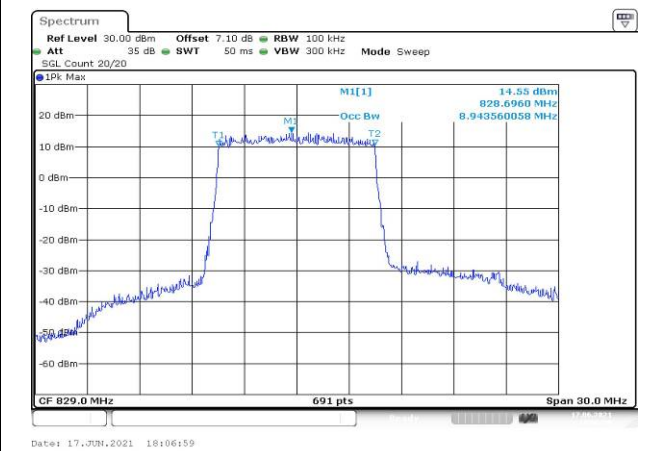


Fig.28

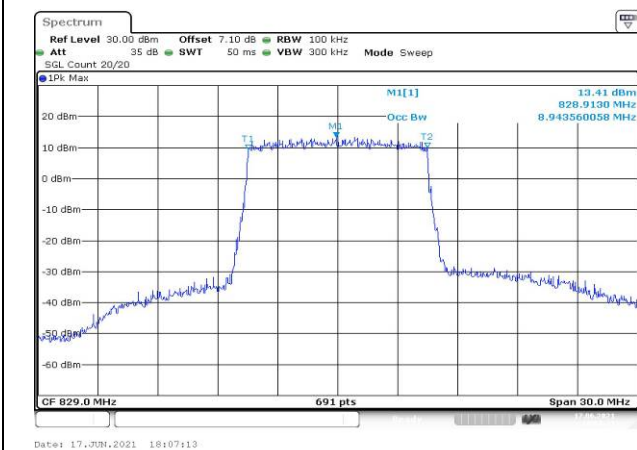


Fig.29

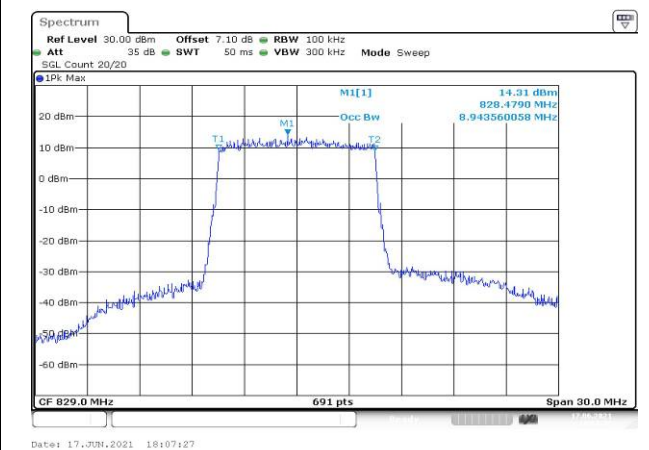


Fig.30



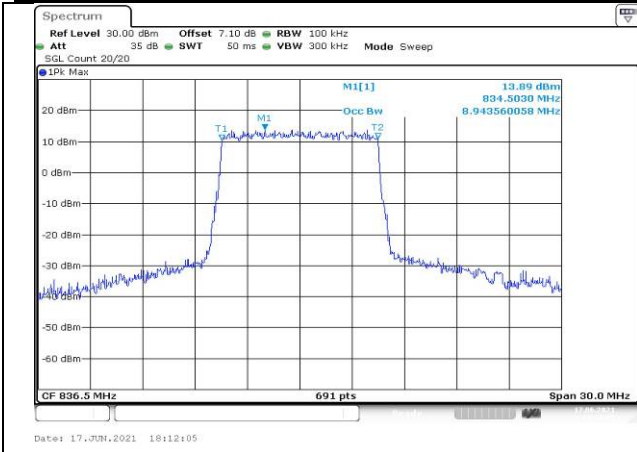


Fig.31



Fig.32

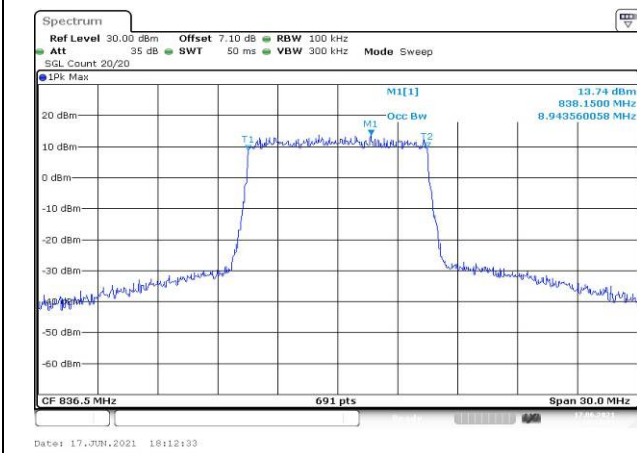


Fig.33

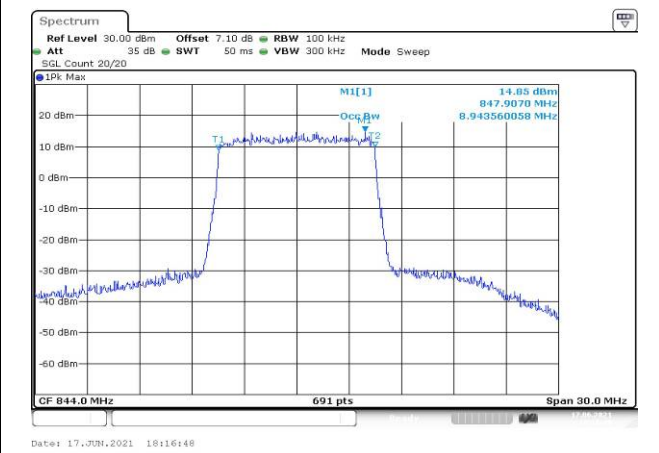


Fig.34

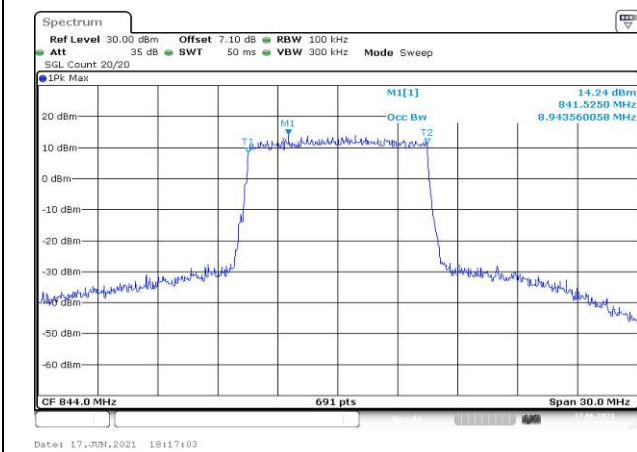


Fig.35

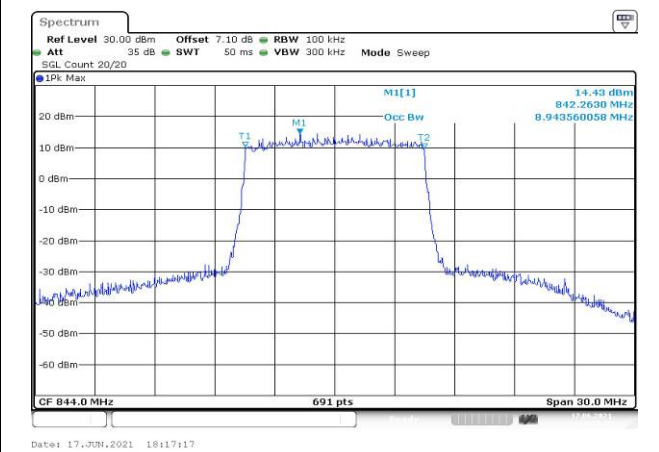


Fig.36

### 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



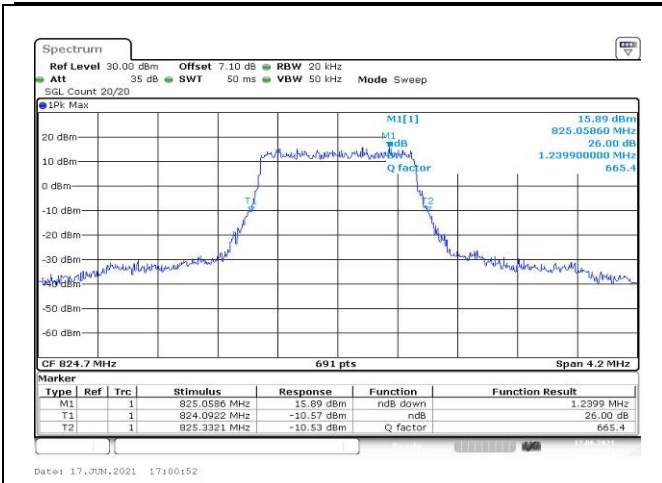


Fig.1

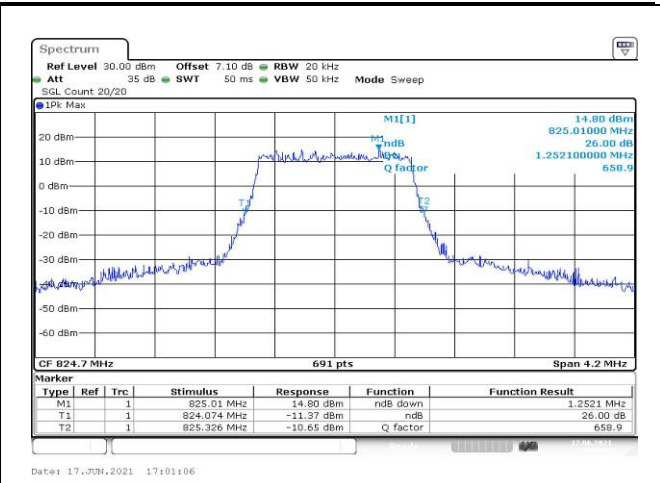


Fig.2

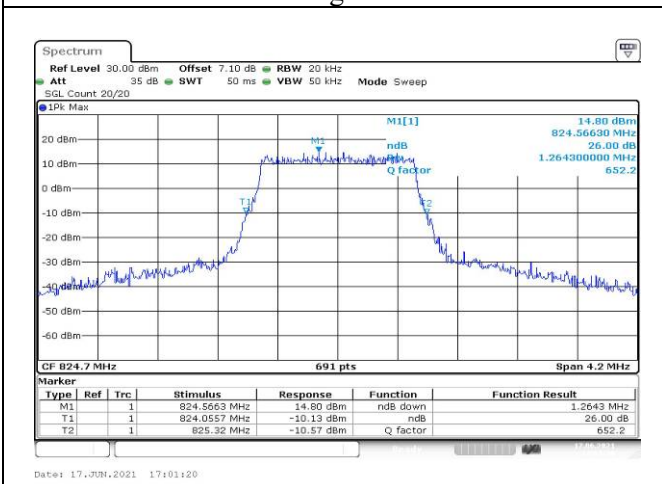


Fig.3



Fig.4



Fig.5



Fig.6