

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	699.7	23017	1.4	1	0	22.52
				1	3	22.59
				1	5	22.55
				3	0	22.53
				3	1	22.50
				3	3	22.56
	6	0		21.72		
	707.5	23095		1	0	22.52
				1	3	22.54
				1	5	22.52
				3	0	22.40
				3	1	22.32
				3	3	22.39
	6	0		21.59		
	715.3	23173		1	0	22.34
				1	3	22.42
				1	5	22.43
				3	0	22.30
3			1	22.37		
3			3	22.36		
16QAM	699.7	23017	6	0	21.35	
			1	0	21.67	
			1	3	21.74	
			1	5	21.74	
			3	0	21.63	
			3	1	21.66	
	707.5	23095	3	3	21.64	
			6	0	20.60	
			1	0	21.62	
			1	3	21.58	
			1	5	21.60	
			3	0	21.77	
	715.3	23173	3	1	21.76	
			3	3	21.77	
			6	0	20.61	
			1	0	21.42	
			1	3	21.50	
			1	5	21.48	
3	0	21.18				
3	1	21.24				
3	3	21.26				
6	0	20.42				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	699.7	23017	1.4	1	0	20.56
				1	3	20.57
				1	5	20.51
				3	0	20.60
				3	1	20.59
				3	3	20.59
	707.5	23095		6	0	20.60
				1	0	20.62
				1	3	20.62
				1	5	20.61
				3	0	20.63
				3	1	20.61
	715.3	23173		3	3	20.59
				6	0	20.56
				1	0	20.42
				1	3	20.37
				1	5	20.44
				3	0	20.37
			3	1	20.35	
			3	3	20.42	
			6	0	20.42	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	22.58
				1	8	22.53
				1	14	22.59
				8	0	21.71
				8	4	21.74
				8	7	21.71
	15	0		21.71		
	1	0		22.53		
	1	8		22.55		
	1	14		22.48		
	8	0		21.61		
	8	4		21.52		
	8	7		21.56		
	15	0		21.54		
	1	0		22.21		
	1	8		22.28		
	1	14		22.31		
	16QAM	700.5		23025	8	0
8			4		21.34	
8			7		21.38	
15			0		21.28	
1			0		22.11	
1			8		22.20	
1		14	22.19			
8		0	20.93			
8		4	20.92			
8		7	20.92			
15		0	20.83			
1		0	21.56			
1		8	21.56			
1		14	21.56			
8		0	20.52			
8		4	20.50			
8		7	20.49			
15		0	20.48			
714.5	23165	1	0	21.39		
		1	8	21.34		
		1	14	21.35		
		8	0	20.34		
		8	4	20.34		
		8	7	20.41		
15	0	20.39				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	700.5	23025	3	1	0	20.80
				1	8	20.82
				1	14	20.82
				8	0	20.81
				8	4	20.81
				8	7	20.80
				15	0	20.80
	707.5	23095		1	0	20.47
				1	8	20.43
				1	14	20.45
				8	0	20.44
				8	4	20.43
				8	7	20.48
				15	0	20.50
	714.5	23165		1	0	20.35
				1	8	20.32
				1	14	20.42
				8	0	20.35
				8	4	20.33
				8	7	20.41
				15	0	20.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	22.49
				1	12	22.37
				1	24	22.46
				12	0	21.50
				12	7	21.59
				12	13	21.59
	707.5	23095		25	0	21.53
				1	0	22.37
				1	12	22.40
				1	24	22.38
				12	0	21.44
				12	7	21.49
	713.5	23155		12	13	21.48
				25	0	21.50
				1	0	22.33
				1	12	22.27
				1	24	22.31
				12	0	21.25
16QAM	701.5	23035	12	7	21.35	
			12	13	21.35	
			25	0	21.28	
			1	0	21.42	
			1	12	21.43	
			1	24	21.44	
	707.5	23095	12	0	20.50	
			12	7	20.51	
			12	13	20.53	
			25	0	20.62	
			1	0	21.71	
			1	12	21.69	
	713.5	23155	1	24	21.63	
			12	0	20.54	
			12	7	20.53	
			12	13	20.52	
			25	0	20.51	
			1	0	21.38	
			1	12	21.40	
			1	24	21.28	
			12	0	20.27	
			12	7	20.28	
			12	13	20.28	
			25	0	20.32	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	701.5	23035	5	1	0	20.63
				1	12	20.63
				1	24	20.63
				12	0	20.61
				12	7	20.64
				12	13	20.62
				25	0	20.64
	707.5	23095		1	0	20.51
				1	12	20.52
				1	24	20.53
				12	0	20.52
				12	7	20.45
				12	13	20.48
				25	0	20.44
	713.5	23155		1	0	20.30
				1	12	20.29
				1	24	20.37
				12	0	20.30
				12	7	20.30
				12	13	20.30
				25	0	20.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.64
				1	25	22.31
				1	49	22.29
				25	0	21.57
				25	12	21.50
				25	25	21.52
	707.5	23095		50	0	21.57
				1	0	22.66
				1	25	22.41
				1	49	22.42
				25	0	21.58
				25	12	21.51
	711	23130		25	25	21.50
				50	0	21.53
				1	0	22.70
				1	25	22.38
				1	49	22.38
				25	0	21.53
16QAM	704	23060	25	12	21.46	
			25	25	21.45	
			50	0	21.49	
			1	0	21.65	
			1	25	21.39	
			1	49	21.38	
	707.5	23095	25	0	20.66	
			25	12	20.54	
			25	25	20.57	
			50	0	20.54	
			1	0	22.16	
			1	25	21.96	
	711	23130	1	49	21.96	
			25	0	20.66	
			25	12	20.49	
			25	25	20.57	
			50	0	20.54	
			1	0	21.74	
			1	25	21.49	
			1	49	21.42	
			25	0	20.57	
			25	12	20.43	
			25	25	20.47	
			50	0	20.48	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	704	23060	10	1	0	20.53
				1	25	20.58
				1	49	20.53
				25	0	20.53
				25	12	20.60
				25	25	20.55
				50	0	20.57
	707.5	23095		1	0	20.53
				1	25	20.54
				1	49	20.54
				25	0	20.55
				25	12	20.55
				25	25	20.56
				50	0	20.49
	711	23130		1	0	20.52
				1	25	20.46
				1	49	20.42
				25	0	20.45
				25	12	20.48
				25	25	20.42
				50	0	20.54

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
12	699.7	23017	1.4	6	0	1.082	Fig.1	1.082	Fig.2	1.082	Fig.3
	707.5	23095		6	0	1.082	Fig.4	1.082	Fig.5	1.082	Fig.6
	715.3	23173		6	0	1.082	Fig.7	1.082	Fig.8	1.082	Fig.9
	700.5	23025	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	707.5	23095		15	0	2.696	Fig.13	2.683	Fig.14	2.683	Fig.15
	714.5	23165		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	701.5	23035	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	707.5	23095		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	713.5	23155		25	0	4.450	Fig.25	4.472	Fig.26	4.472	Fig.27
	704	23060	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	707.5	23095		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	711	23130		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36

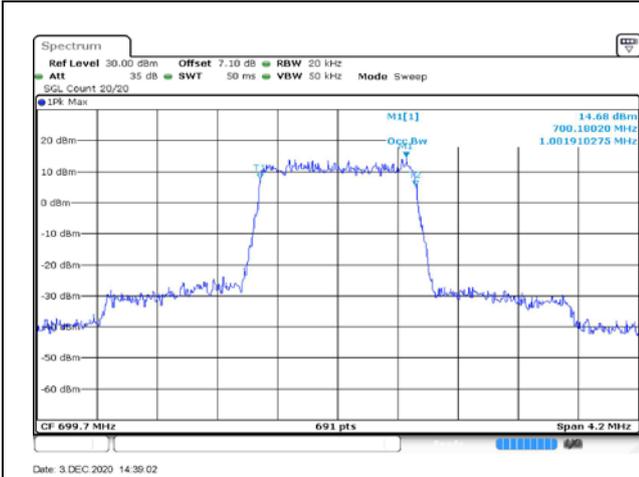


Fig.1

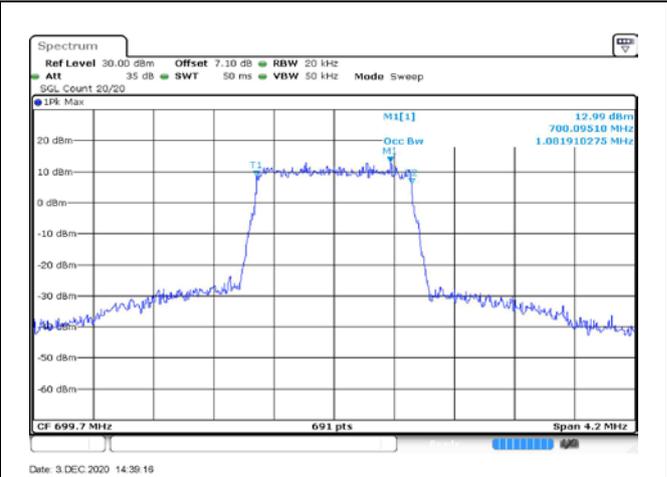


Fig.2

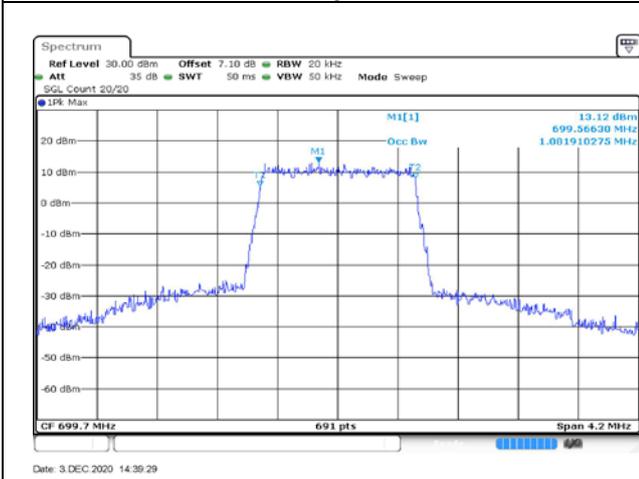


Fig.3

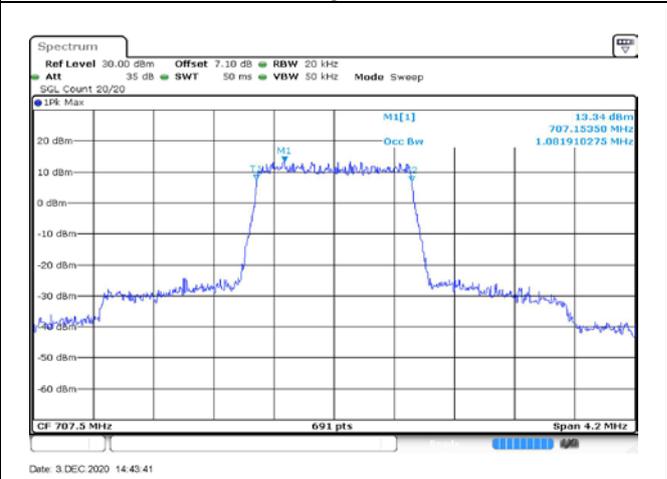


Fig.4

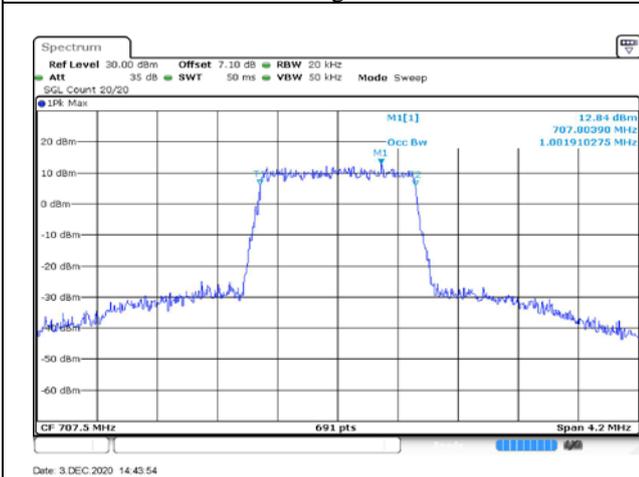


Fig.5

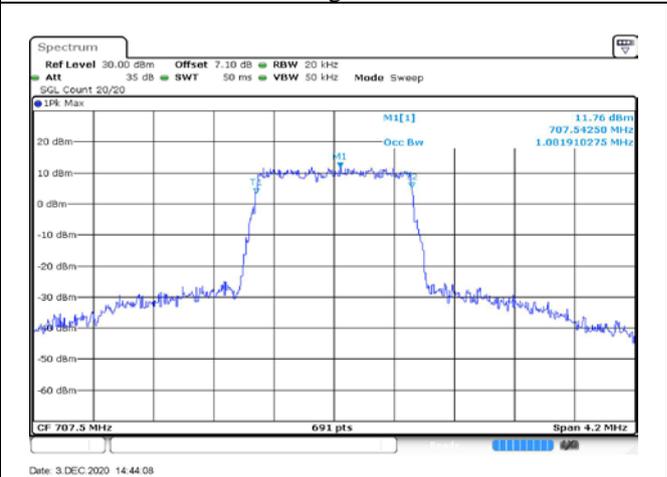


Fig.6

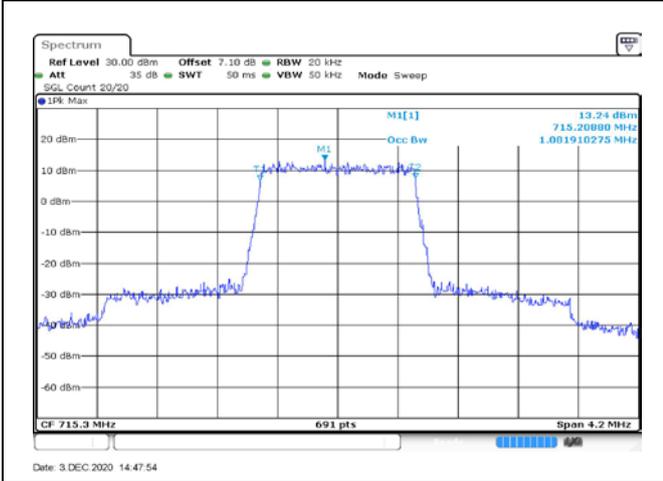


Fig.7

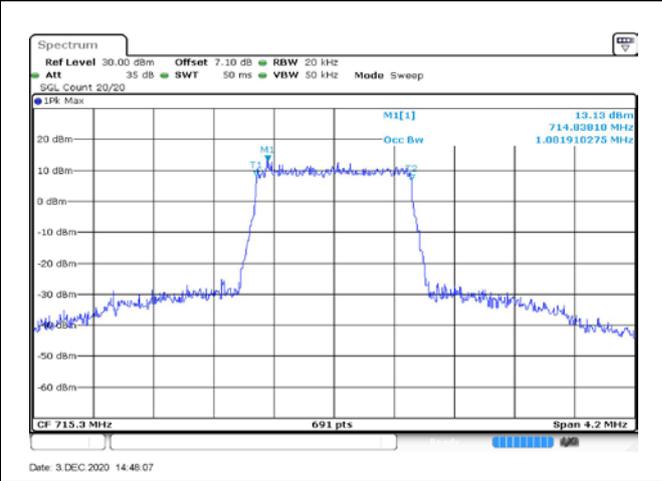


Fig.8

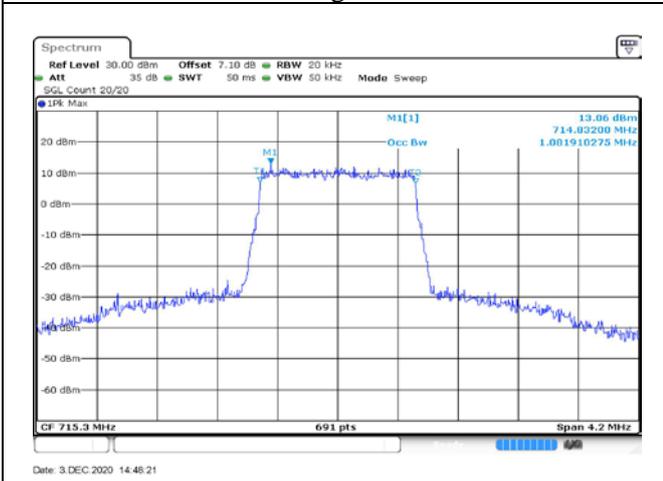


Fig.9

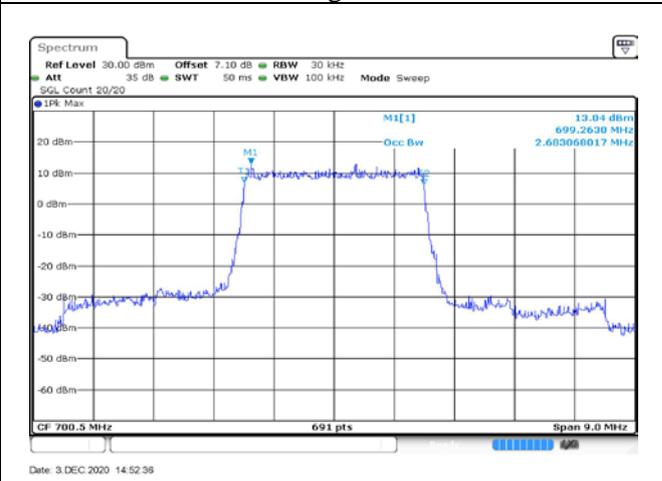


Fig.10

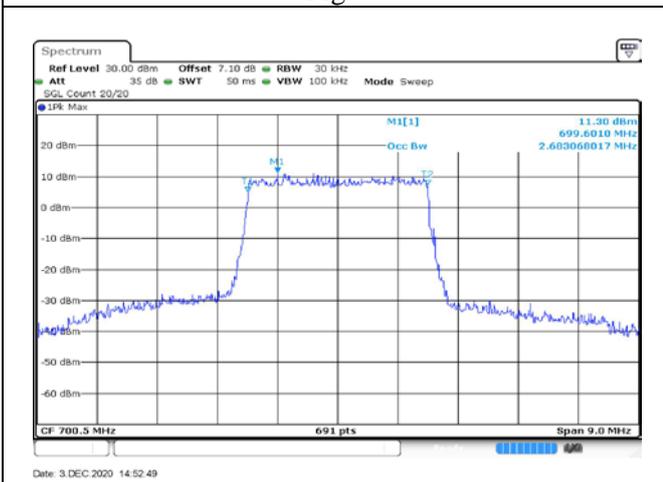


Fig.11

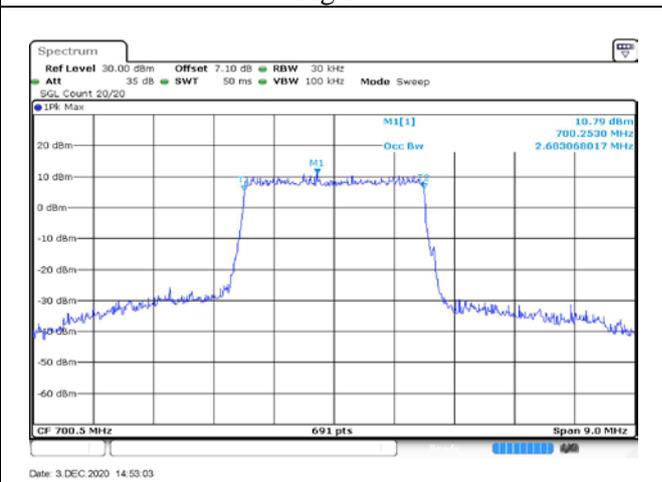


Fig.12

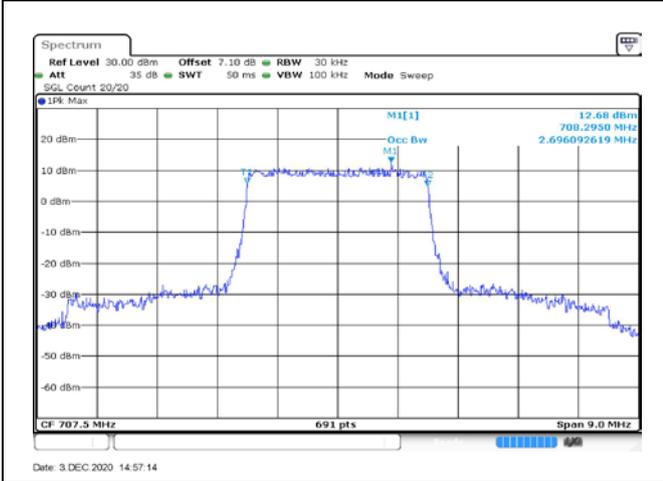


Fig.13

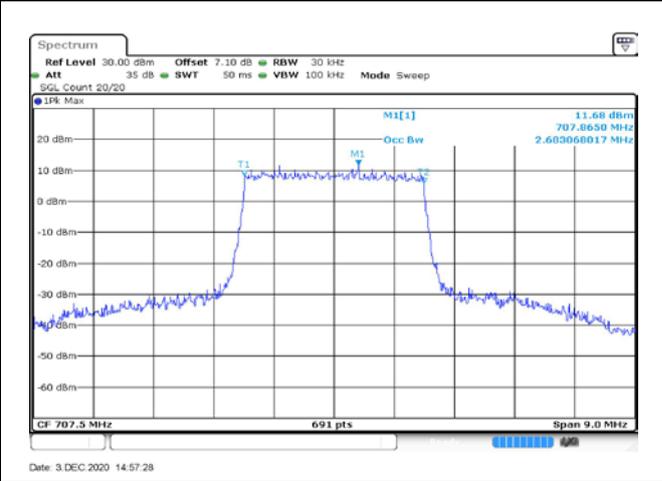


Fig.14

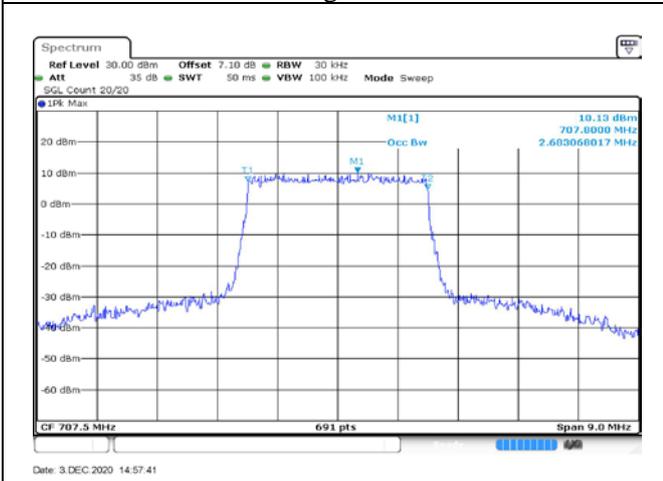


Fig.15

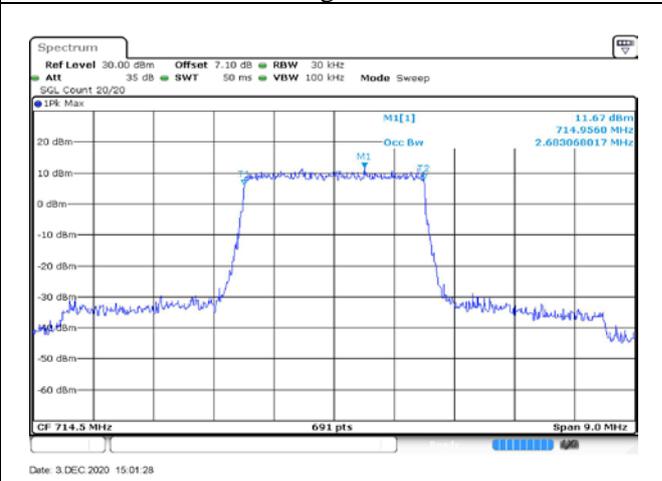


Fig.16

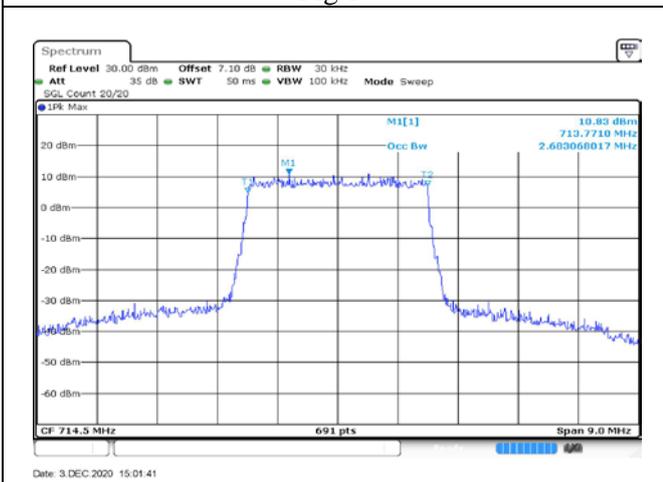


Fig.17

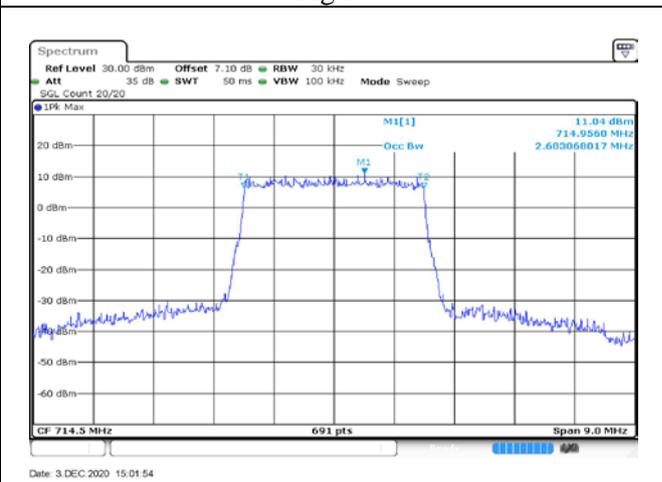


Fig.18

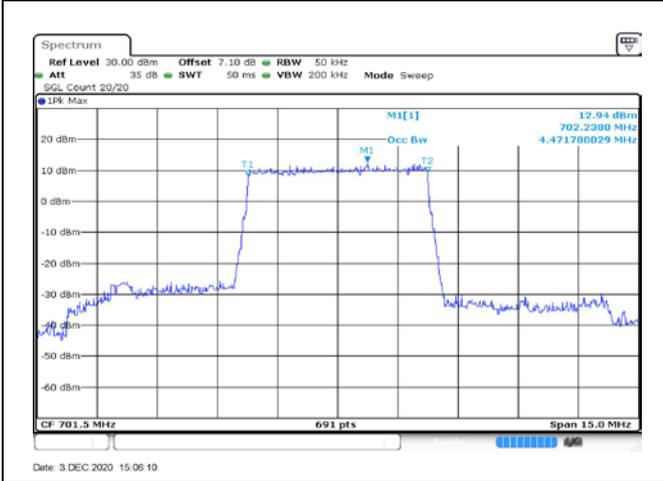


Fig.19

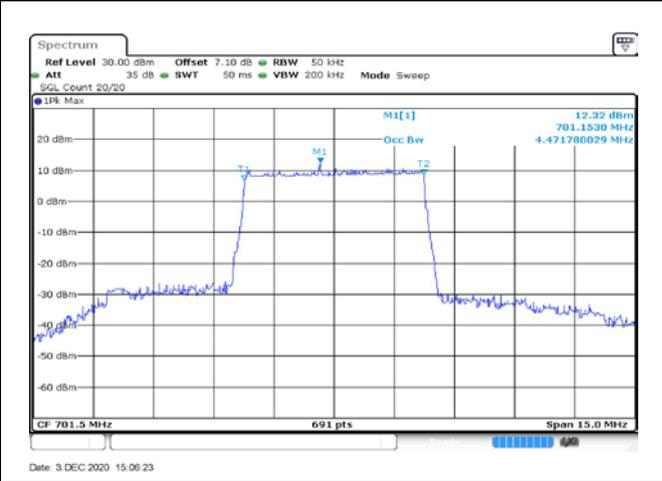


Fig.20

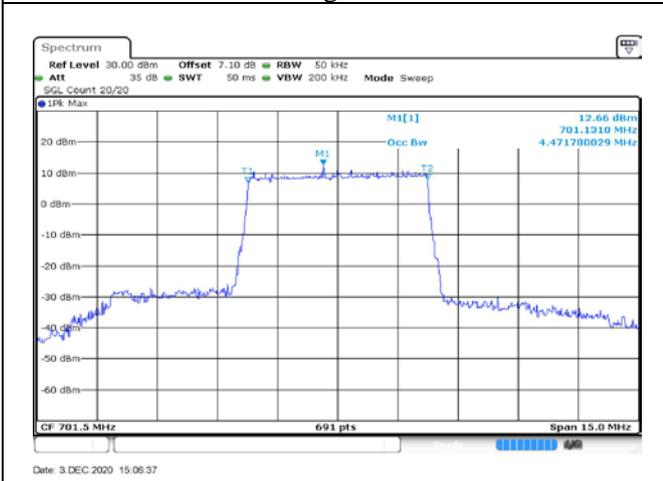


Fig.21

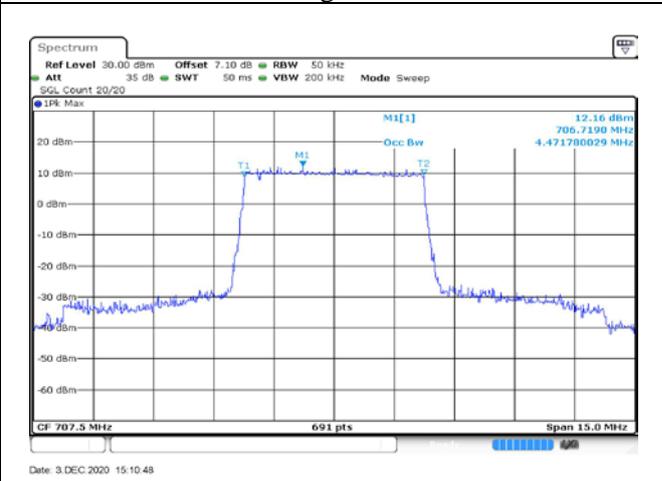


Fig.22

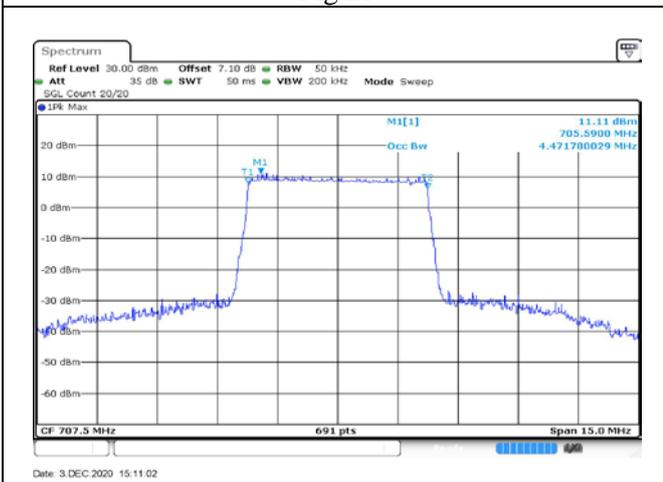


Fig.23

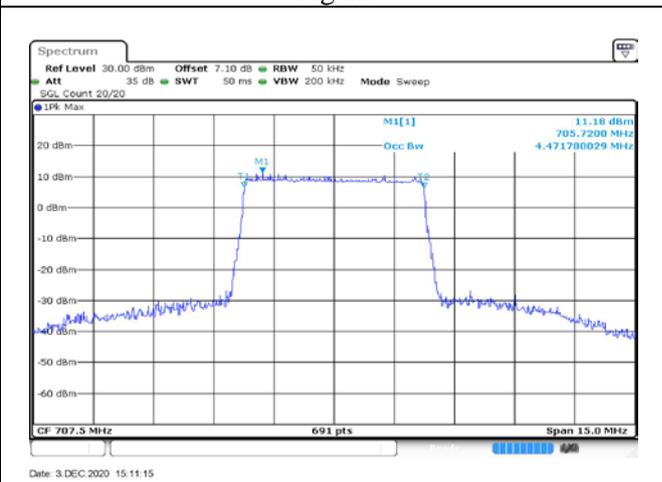


Fig.24

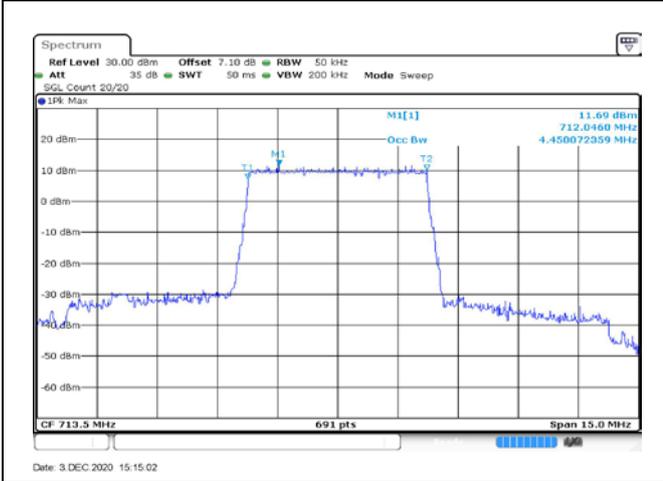


Fig.25

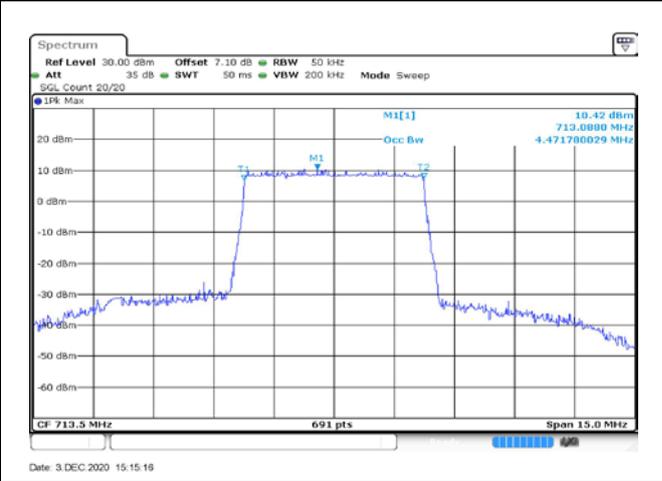


Fig.26

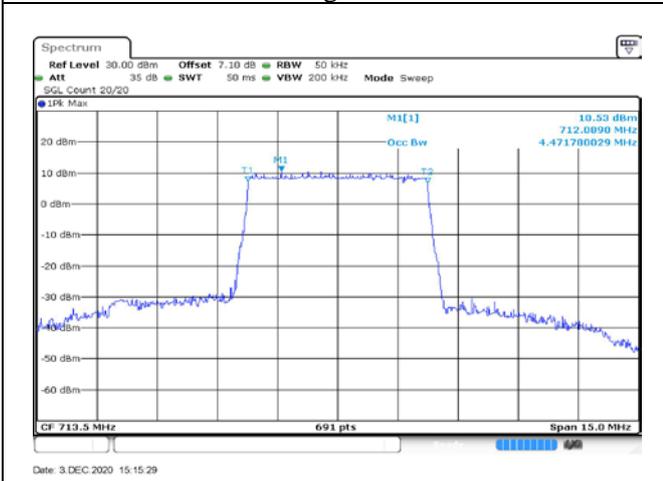


Fig.27

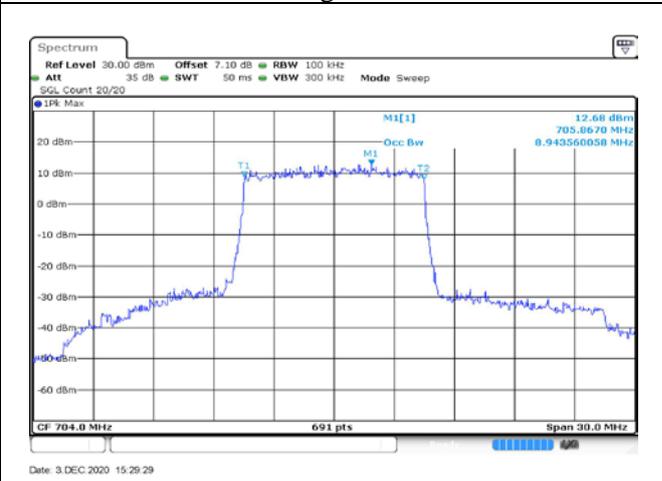


Fig.28

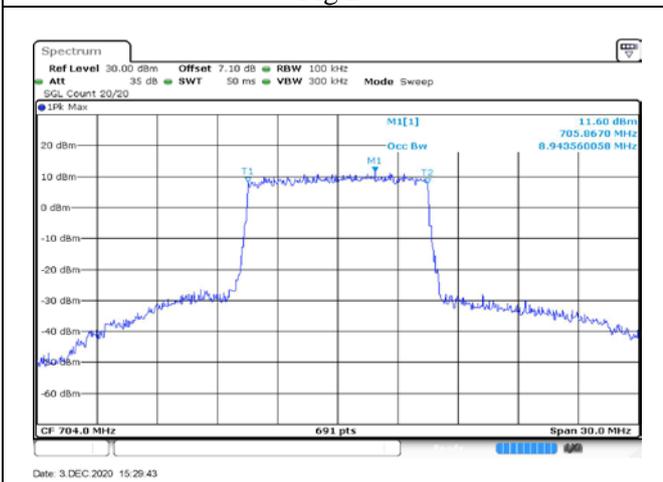


Fig.29

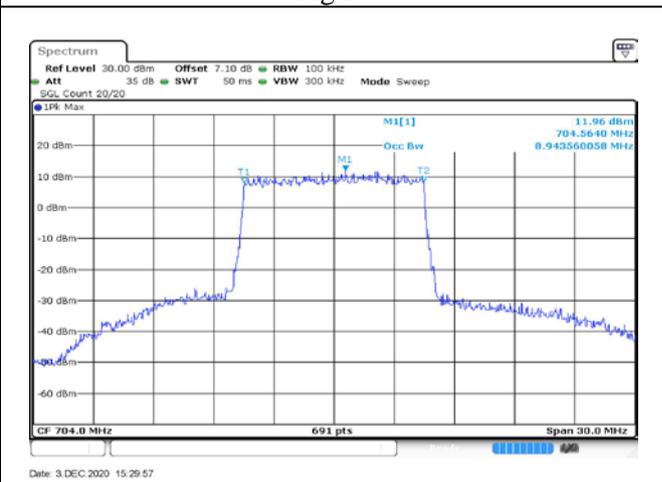


Fig.30

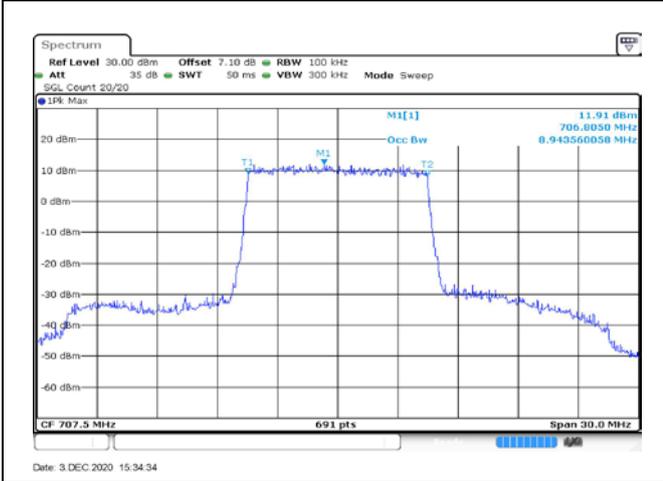


Fig.31

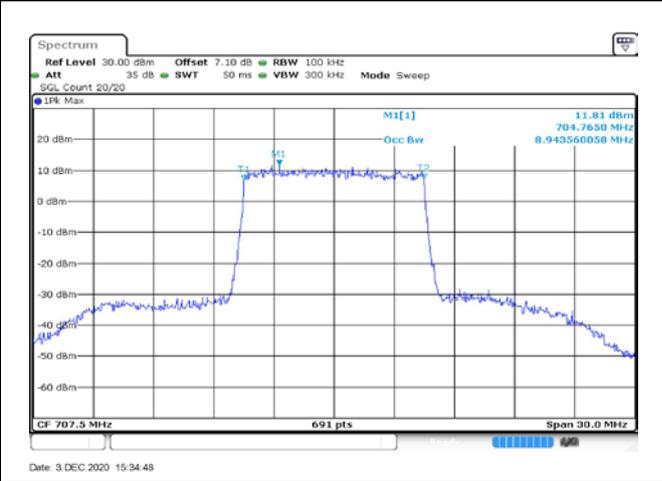


Fig.32

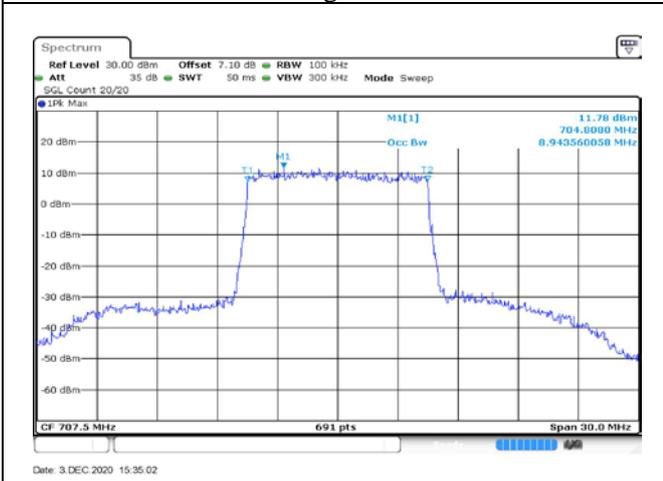


Fig.33

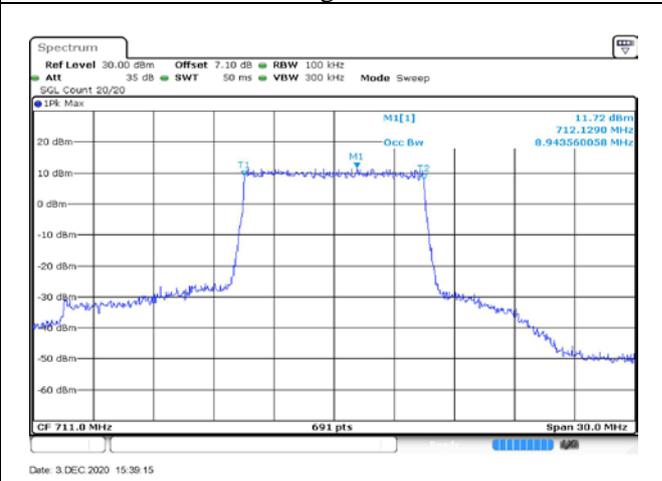


Fig.34

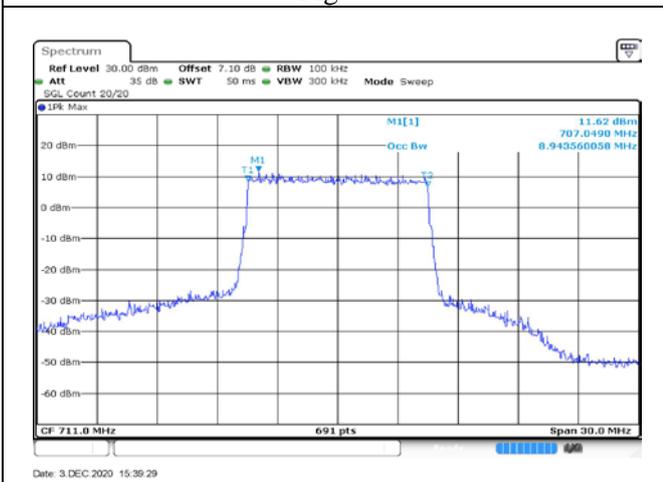


Fig.35

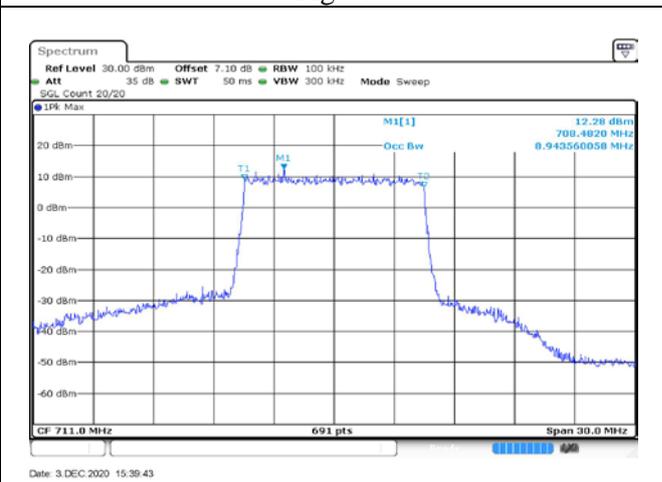


Fig.36

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	
12	699.7	23017	1.4	6	0	1.210	Fig.1	1.222	Fig.2	1.204	Fig.3
	707.5	23095		6	0	1.228	Fig.4	1.234	Fig.5	1.210	Fig.6
	715.3	23173		6	0	1.222	Fig.7	1.204	Fig.8	1.204	Fig.9
	700.5	23025	3	15	0	2.931	Fig.10	2.918	Fig.11	2.931	Fig.12
	707.5	23095		15	0	2.931	Fig.13	2.891	Fig.14	2.904	Fig.15
	714.5	23165		15	0	2.931	Fig.16	2.931	Fig.17	2.918	Fig.18
	701.5	23035	5	25	0	4.863	Fig.19	4.841	Fig.20	4.884	Fig.21
	707.5	23095		25	0	4.819	Fig.22	4.884	Fig.23	4.841	Fig.24
	713.5	23155		25	0	4.863	Fig.25	4.863	Fig.26	4.863	Fig.27
	704	23060	10	50	0	9.595	Fig.28	9.508	Fig.29	9.508	Fig.30
	707.5	23095		50	0	9.595	Fig.31	9.638	Fig.32	9.595	Fig.33
	711	23130		50	0	9.638	Fig.34	9.595	Fig.35	9.595	Fig.36

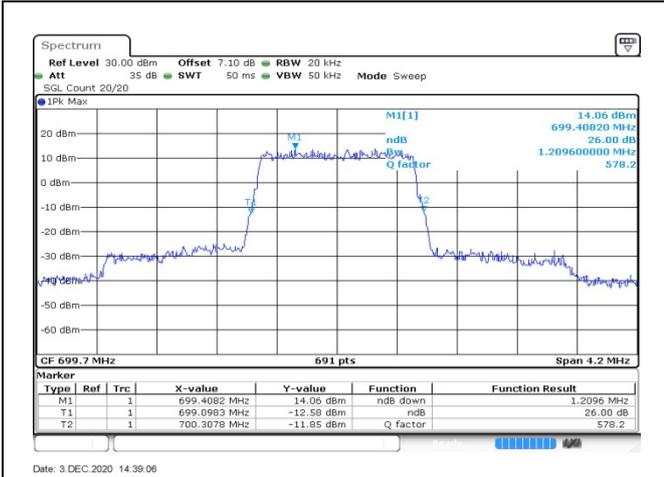


Fig.1

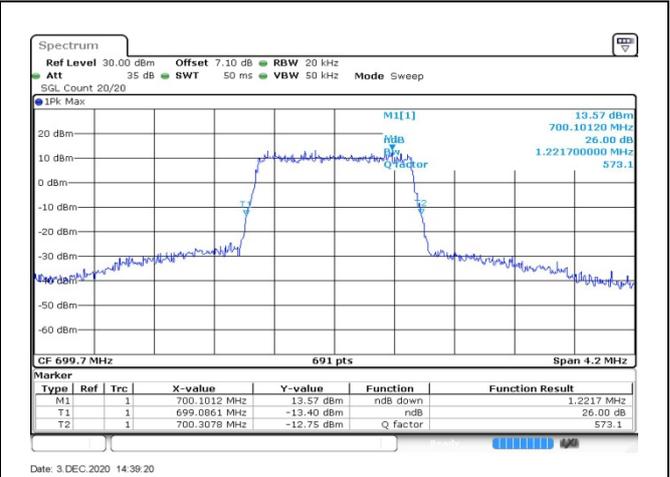


Fig.2

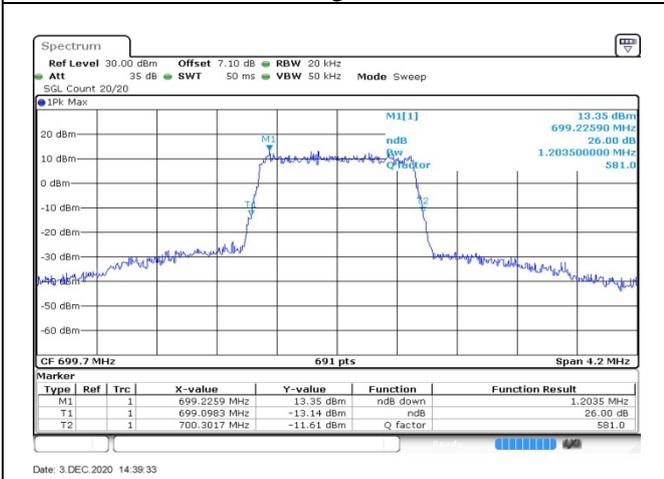


Fig.3

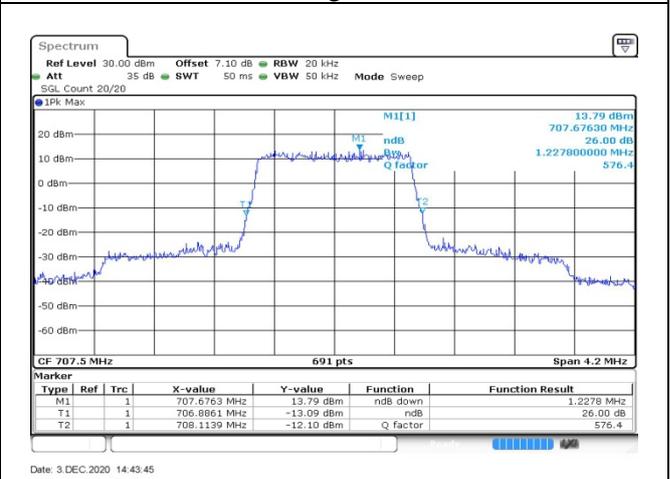


Fig.4

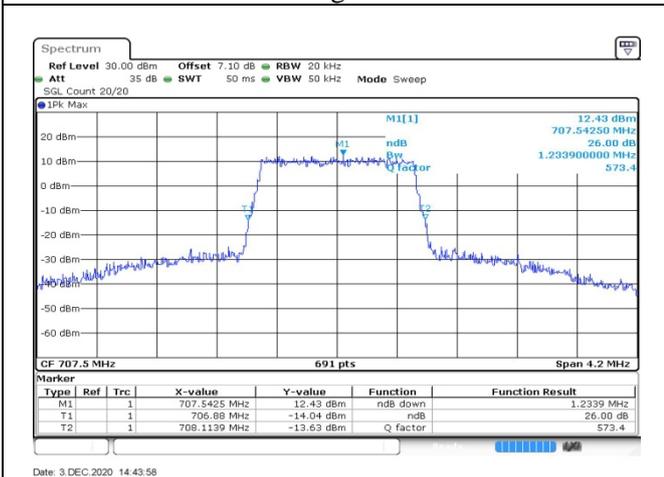


Fig.5

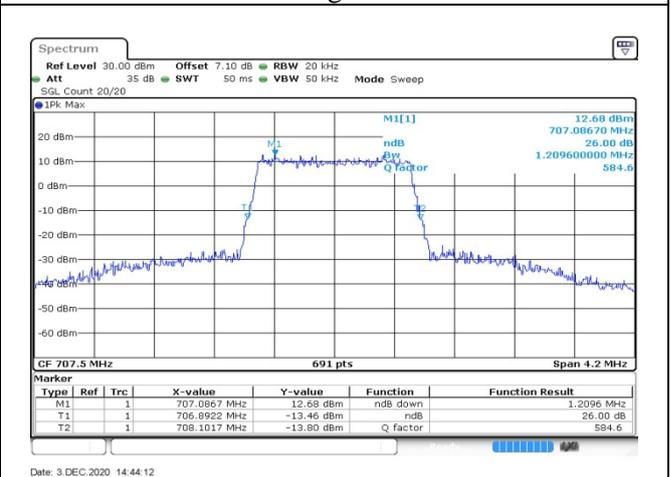


Fig.6

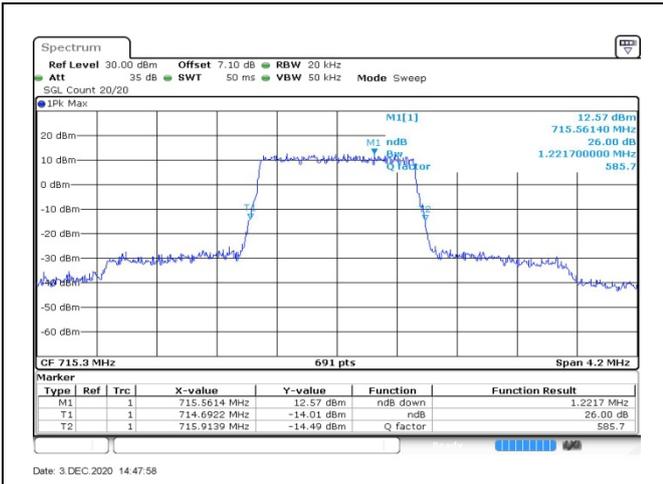


Fig.7

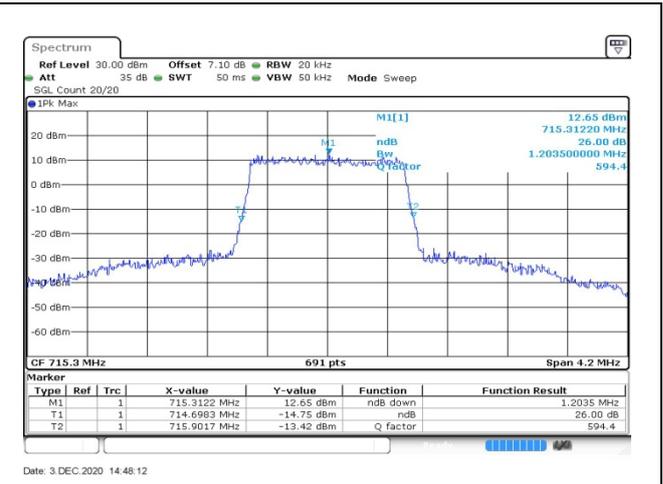


Fig.8

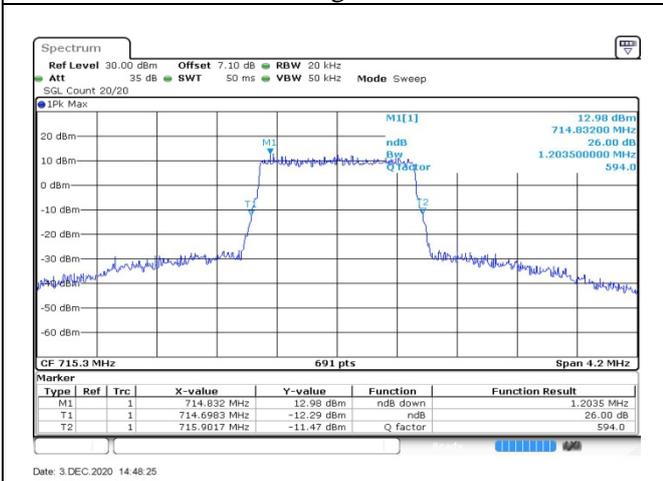


Fig.9

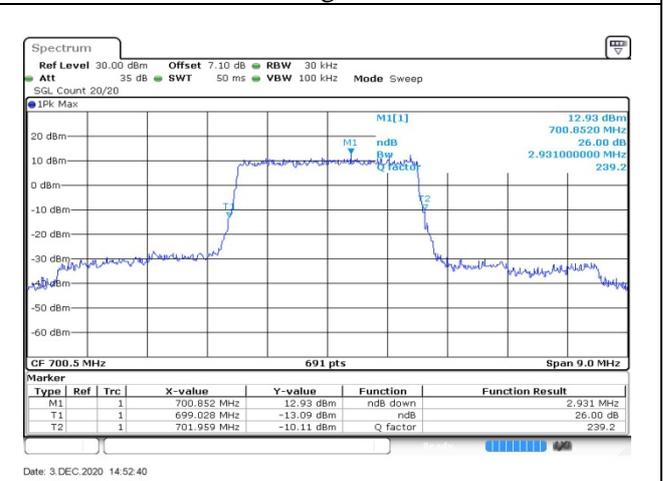


Fig.10

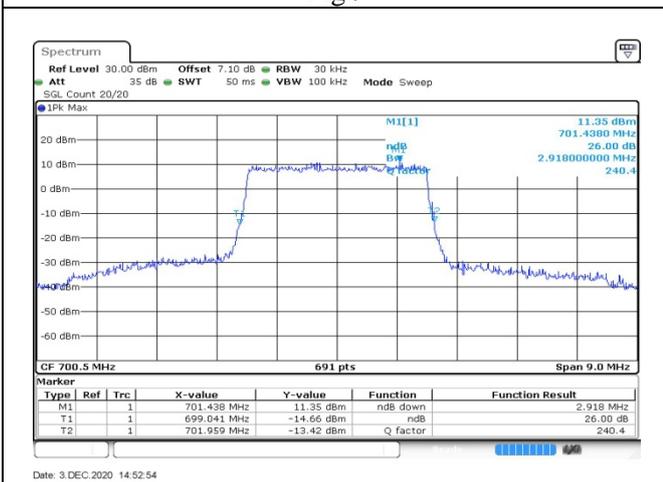


Fig.11

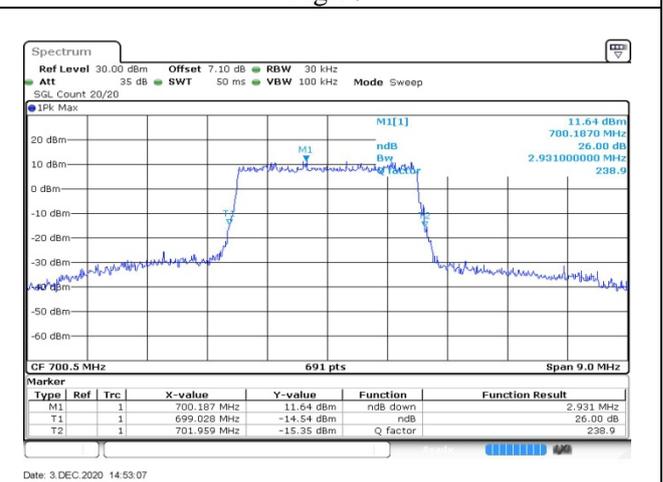


Fig.12

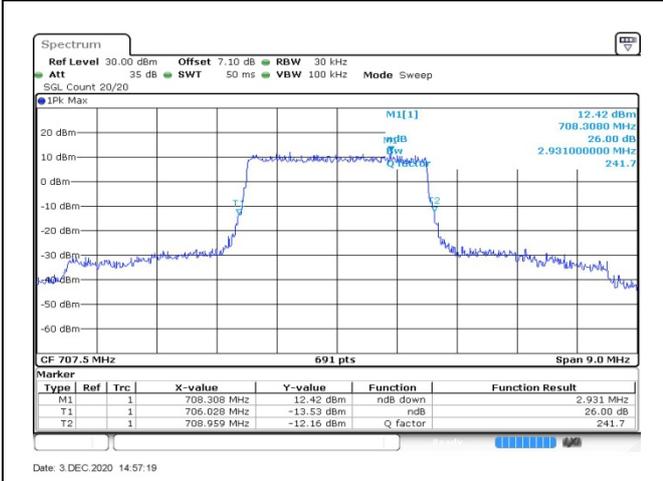


Fig.13

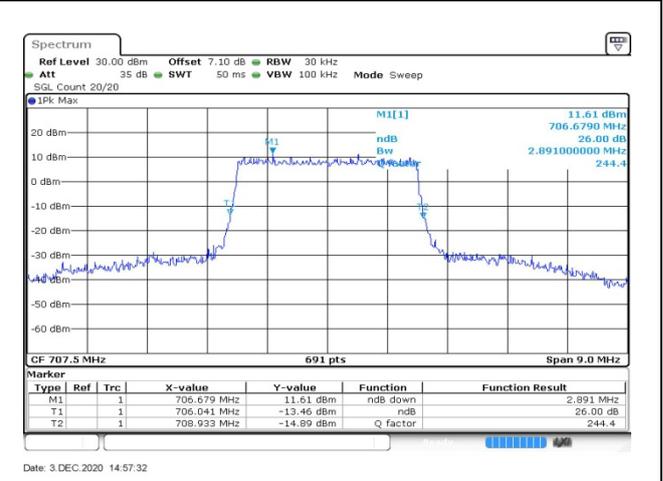


Fig.14

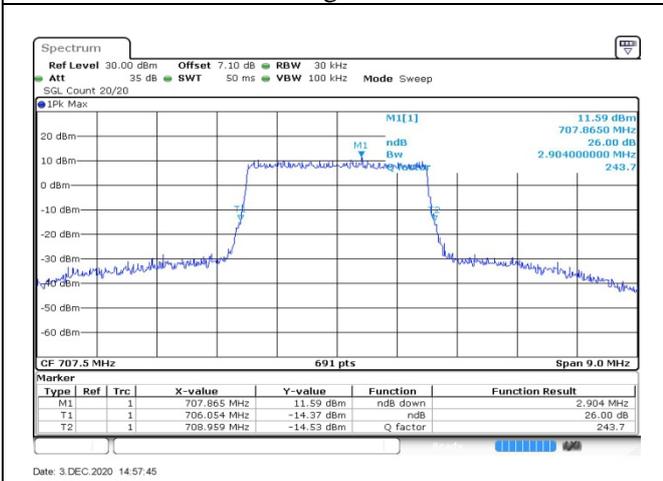


Fig.15

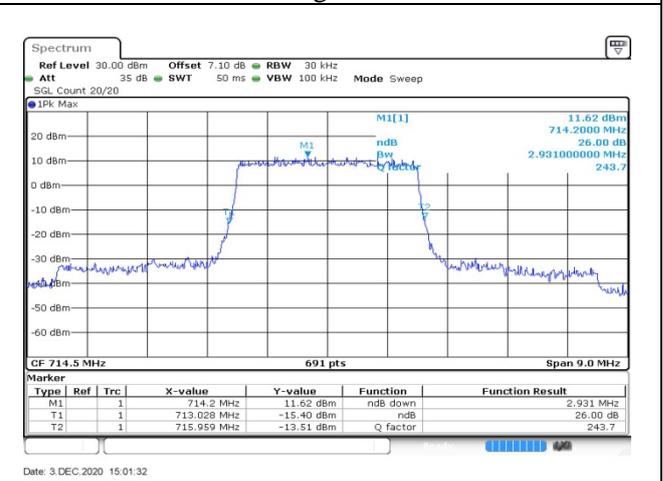


Fig.16

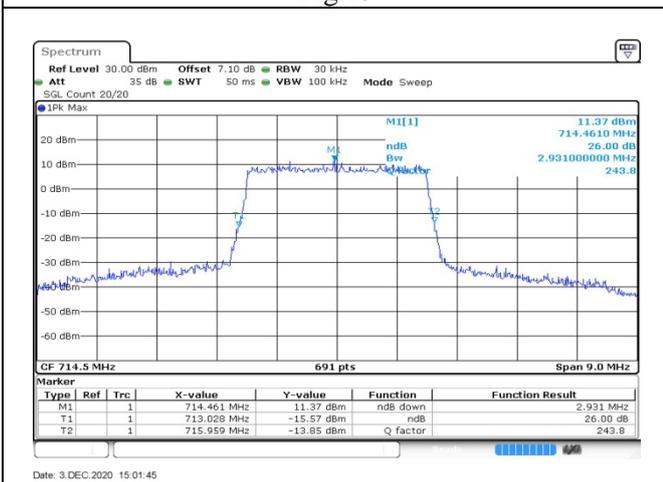


Fig.17

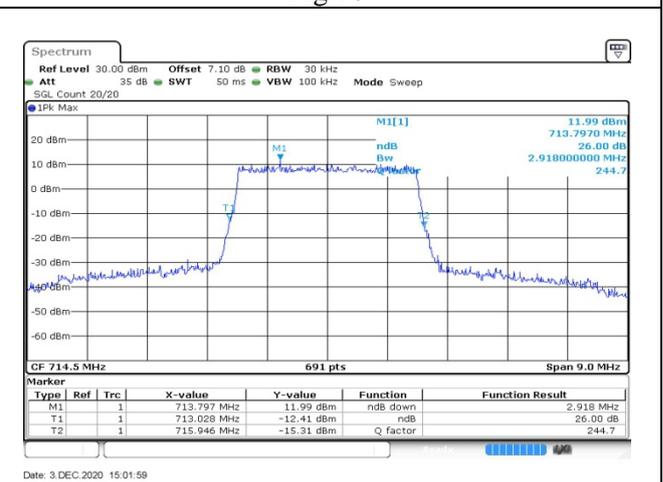


Fig.18