

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	24.05
				1	3	24.04
				1	5	24.07
				3	0	23.17
				3	1	23.12
				3	3	23.22
				6	0	22.23
	707.5	23095		1	0	24.00
				1	3	23.99
				1	5	23.96
				3	0	23.12
				3	1	23.17
				3	3	23.10
				6	0	22.41
	715.3	23173		1	0	24.21
				1	3	24.16
				1	5	24.18
				3	0	23.16
				3	1	23.15
				3	3	23.24
				6	0	22.43
16QAM	699.7	23017	1	0	23.36	
			1	3	23.35	
			1	5	23.40	
			3	0	22.43	
			3	1	22.40	
			3	3	22.53	
			6	0	21.47	
	707.5	23095	1	0	23.27	
			1	3	23.30	
			1	5	23.22	
			3	0	22.46	
			3	1	22.40	
			3	3	22.42	
			6	0	21.75	
	715.3	23173	1	0	23.44	
			1	3	23.41	
			1	5	23.44	
			3	0	22.39	
			3	1	22.48	
			3	3	22.53	
			6	0	21.74	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	699.7	23017	1.4	1	0	22.29
				1	3	22.50
				1	5	22.23
				3	0	22.44
				3	1	22.59
				3	3	22.53
				6	0	22.53
	707.5	23095		1	0	22.52
				1	3	22.41
				1	5	22.56
				3	0	22.39
				3	1	22.55
				3	3	22.54
				6	0	22.54
	715.3	23173		1	0	22.43
				1	3	22.42
				1	5	22.41
				3	0	22.54
				3	1	22.40
				3	3	22.52
				6	0	22.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	24.41
				1	8	24.26
				1	14	24.25
				8	0	23.25
				8	4	23.25
				8	7	23.24
				15	0	23.40
	707.5	23095		1	0	24.33
				1	8	24.35
				1	14	24.34
				8	0	23.35
				8	4	23.38
				8	7	23.43
				15	0	23.41
	714.5	23165		1	0	24.43
				1	8	24.57
				1	14	24.55
				8	0	23.32
				8	4	23.42
				8	7	23.42
				15	0	23.32
16QAM	700.5	23025	1	0	23.73	
			1	8	23.43	
			1	14	23.53	
			8	0	22.61	
			8	4	22.60	
			8	7	22.60	
			15	0	22.37	
	707.5	23095	1	0	23.59	
			1	8	23.56	
			1	14	23.48	
			8	0	22.32	
			8	4	22.42	
			8	7	22.39	
			15	0	22.35	
	714.5	23165	1	0	23.26	
			1	8	23.28	
			1	14	23.13	
			8	0	22.43	
			8	4	22.55	
			8	7	22.42	
			15	0	22.24	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	700.5	23025	3	1	0	22.38
				1	8	22.37
				1	14	22.37
				8	0	22.37
				8	4	22.37
				8	7	22.37
				15	0	22.37
	707.5	23095		1	0	22.44
				1	8	22.40
				1	14	22.39
				8	0	22.36
				8	4	22.36
				8	7	22.35
				15	0	22.44
	714.5	23165		1	0	22.24
				1	8	22.19
				1	14	22.19
				8	0	22.19
				8	4	22.25
				8	7	22.20
				15	0	22.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	701.5	23035	5	1	0	24.46	
				1	12	24.28	
				1	24	24.27	
				12	0	23.31	
				12	7	23.21	
				12	13	23.35	
				25	0	23.28	
	707.5	23095		1	0	24.44	
				1	12	24.36	
				1	24	24.36	
				12	0	23.43	
				12	7	23.42	
				12	13	23.42	
				25	0	23.38	
	713.5	23155		1	0	24.42	
				1	12	24.37	
				1	24	24.35	
				12	0	23.47	
				12	7	23.40	
				12	13	23.40	
				25	0	23.39	
	16QAM	701.5		23035	1	0	22.53
					1	12	22.63
					1	24	22.53
12					0	22.22	
12					7	22.39	
12					13	22.24	
25					0	22.38	
707.5		23095	1	0	23.32		
			1	12	23.44		
			1	24	23.44		
			12	0	22.38		
			12	7	22.24		
			12	13	22.14		
			25	0	22.25		
713.5		23155	1	0	23.07		
			1	12	23.00		
			1	24	22.99		
			12	0	22.09		
			12	7	22.05		
			12	13	22.05		
			25	0	22.13		

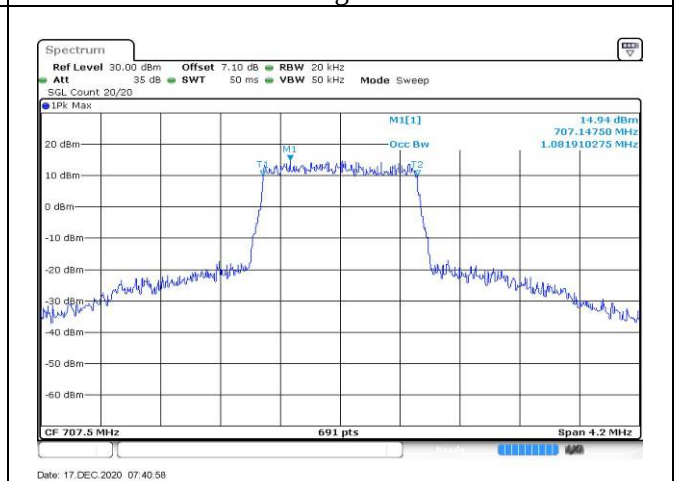
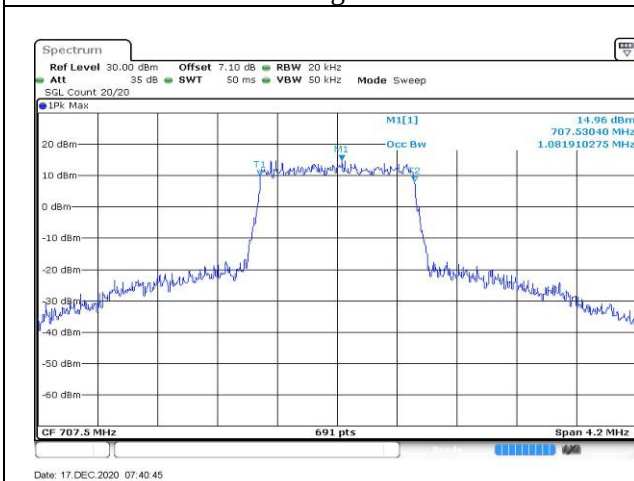
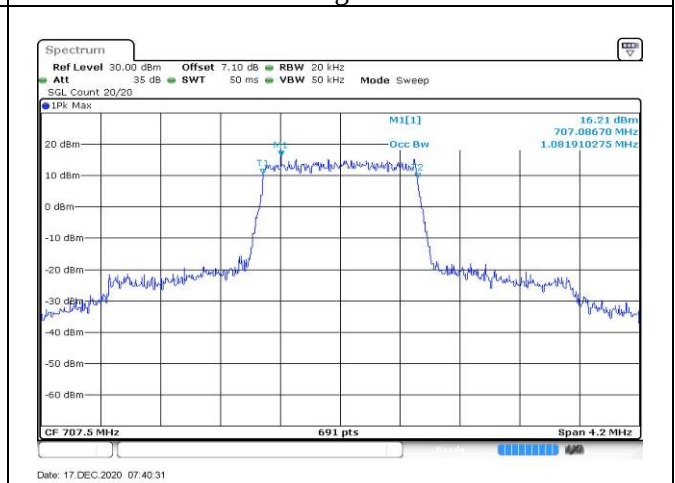
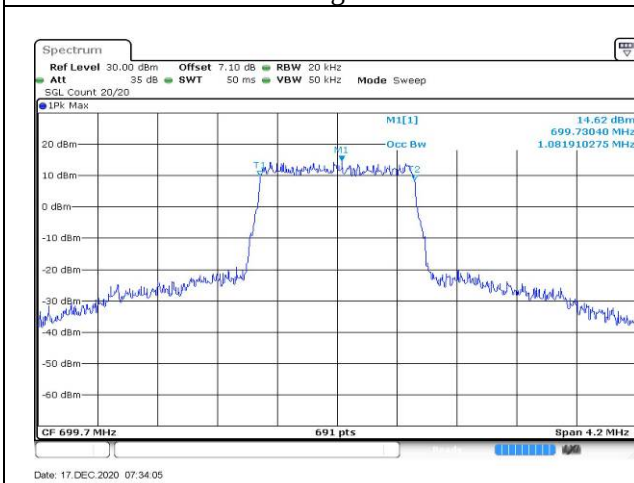
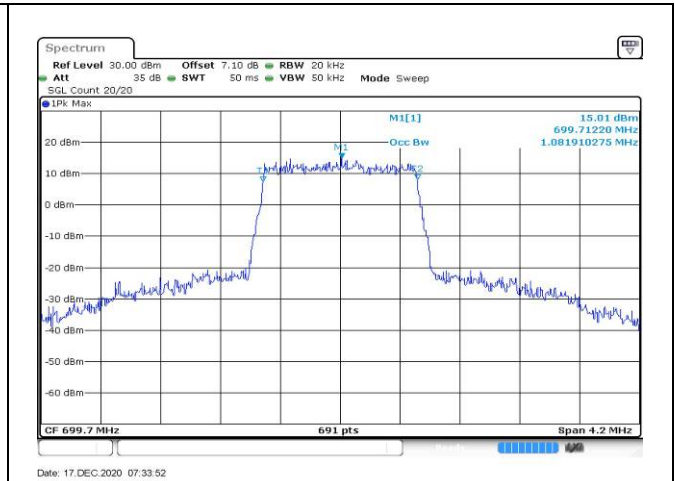
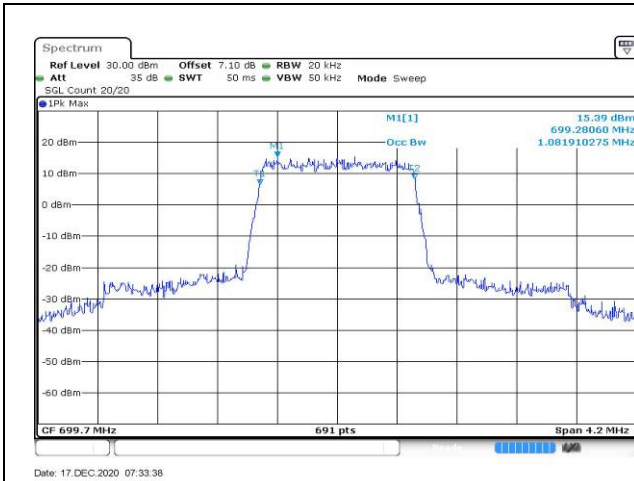
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	701.5	23035	5	1	0	22.38
				1	12	22.38
				1	24	22.38
				12	0	22.38
				12	7	22.33
				12	13	22.38
				25	0	22.33
	707.5	23095		1	0	22.25
				1	12	22.25
				1	24	22.25
				12	0	22.30
				12	7	22.29
				12	13	22.26
				25	0	22.25
	713.5	23155		1	0	22.13
				1	12	22.13
				1	24	22.13
				12	0	22.14
				12	7	22.30
				12	13	22.39
				25	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	24.15
				1	25	24.43
				1	49	24.42
				25	0	23.35
				25	12	23.22
				25	25	23.23
				50	0	23.31
	707.5	23095		1	0	24.29
				1	25	24.33
				1	49	24.33
				25	0	23.22
				25	12	23.47
				25	25	23.34
				50	0	23.23
	711	23130		1	0	24.59
				1	25	24.67
				1	49	24.51
				25	0	23.40
				25	12	23.22
				25	25	23.45
				50	0	23.39
16QAM	704	23060	1	0	23.75	
			1	25	23.56	
			1	49	23.63	
			25	0	22.27	
			25	12	22.15	
			25	25	22.16	
			50	0	22.35	
	707.5	23095	1	0	23.89	
			1	25	24.04	
			1	49	24.05	
			25	0	22.39	
			25	12	22.73	
			25	25	22.68	
			50	0	22.32	
	711	23130	1	0	23.17	
			1	25	23.09	
			1	49	23.08	
			25	0	22.81	
			25	12	22.49	
			25	25	22.45	
			50	0	22.74	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	704	23060	10	1	0	22.34
				1	25	22.34
				1	49	22.34
				25	0	22.34
				25	12	22.34
				25	25	22.34
				50	0	22.34
	707.5	23095		1	0	22.44
				1	25	22.59
				1	49	22.65
				25	0	22.70
				25	12	22.35
				25	25	22.61
				50	0	22.61
	711	23130		1	0	22.74
				1	25	22.74
				1	49	22.62
				25	0	22.62
				25	12	22.62
				25	25	22.62
				50	0	22.62

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	2.696	Fig.12
	707.5	23095		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	714.5	23165		15	0	2.683	Fig.16	2.683	Fig.17	2.696	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	4.472	Fig.25	4.493	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



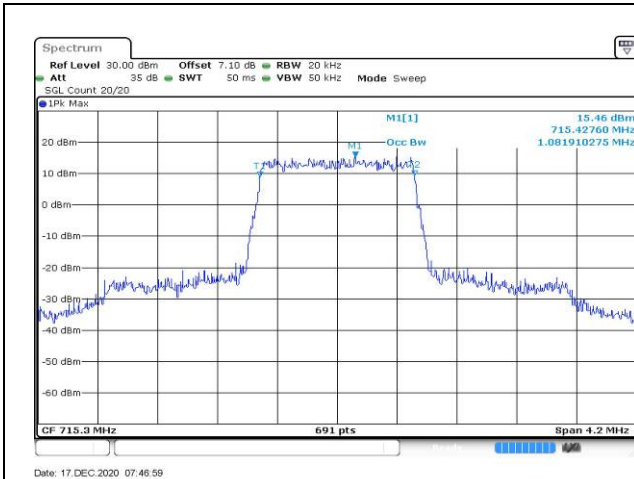


Fig.7

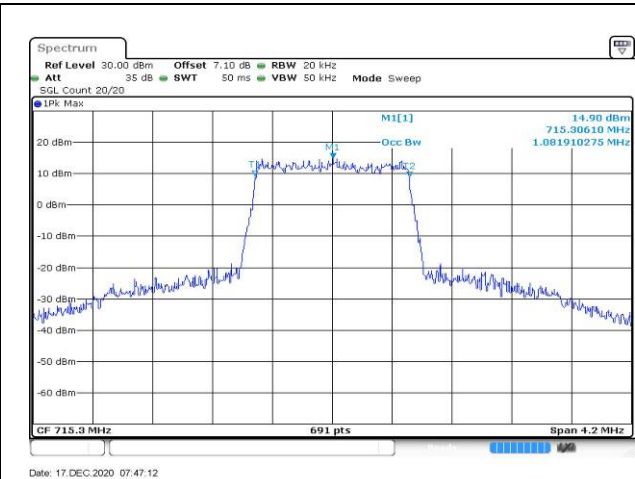


Fig.8

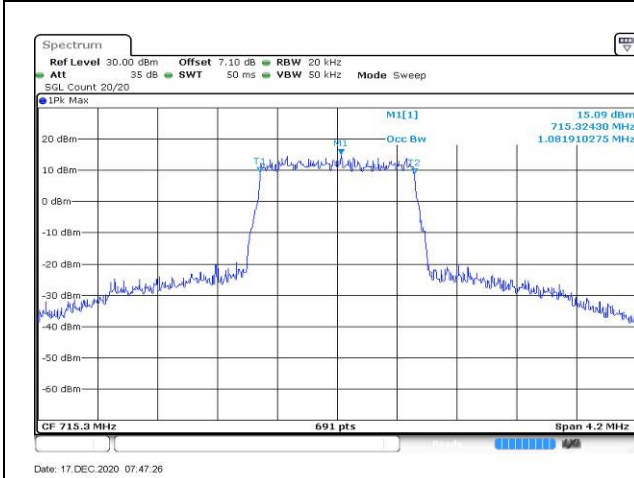


Fig.9

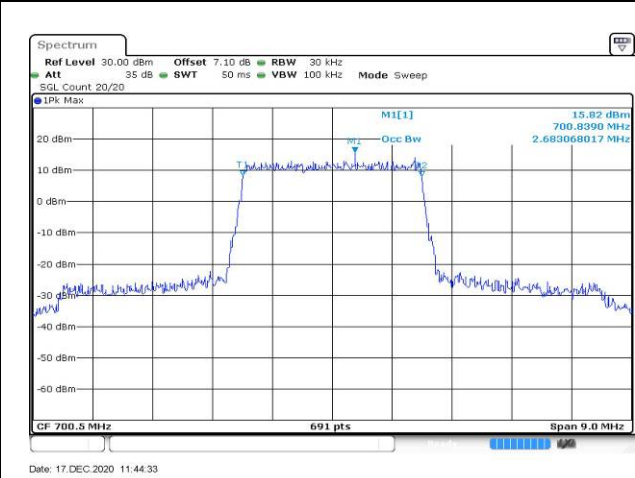


Fig.10

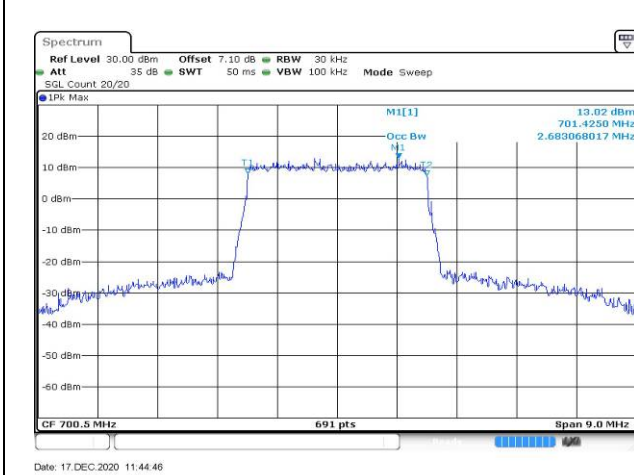


Fig.11

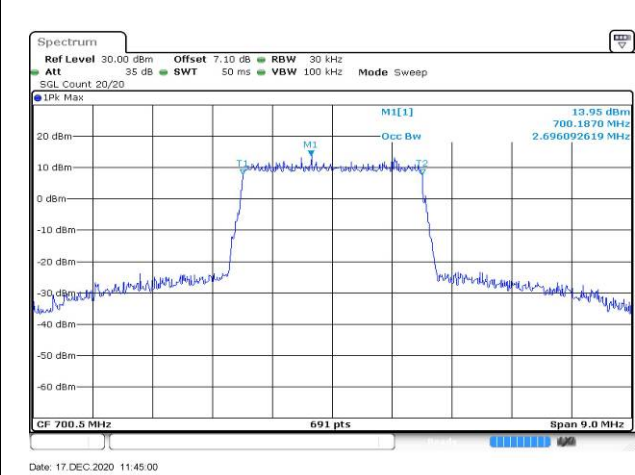
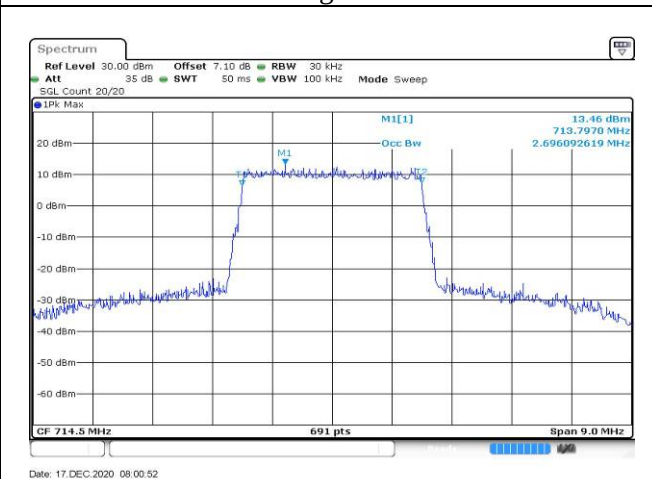
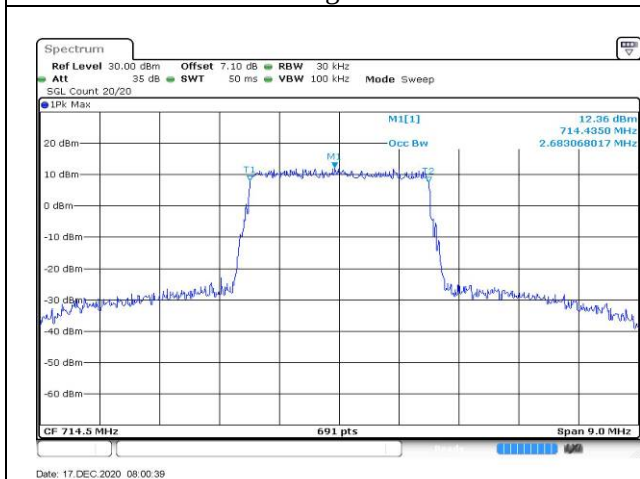
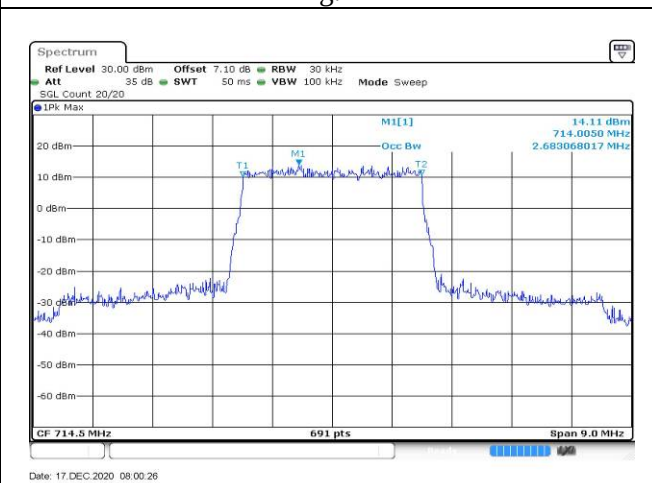
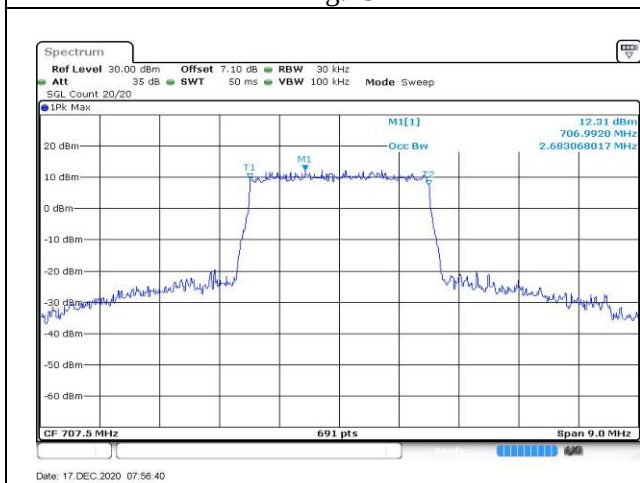
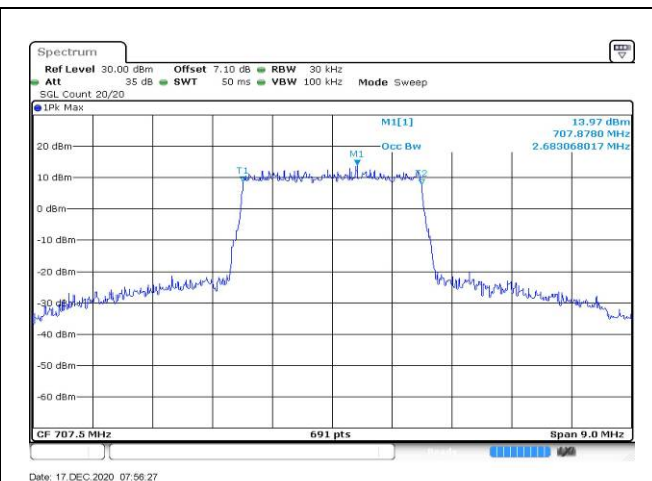
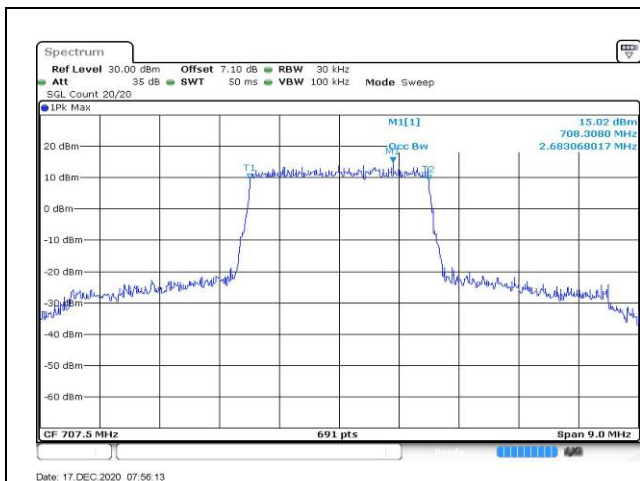


Fig.12



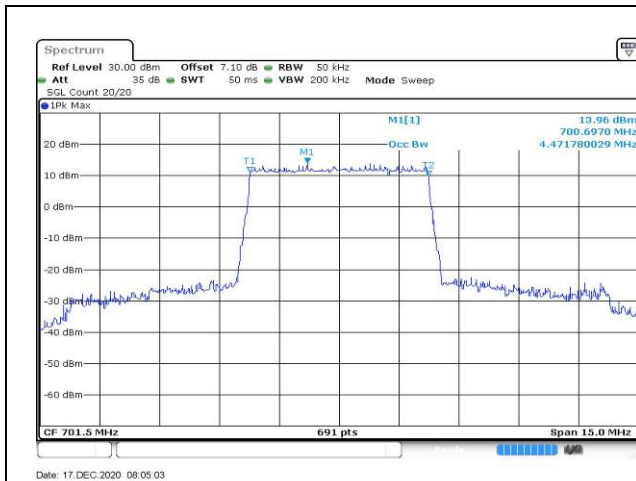


Fig.19

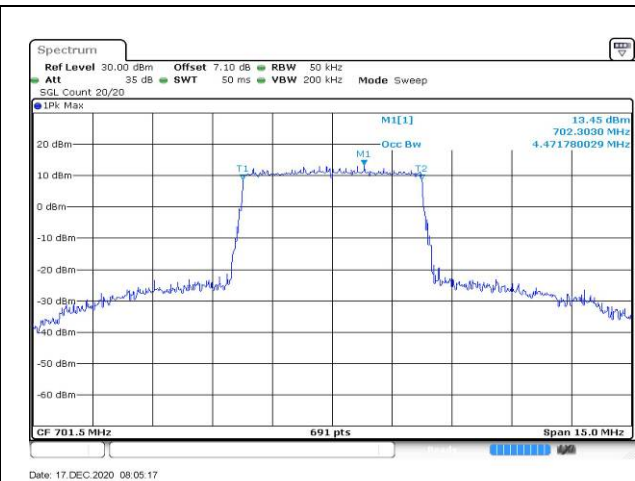


Fig.20

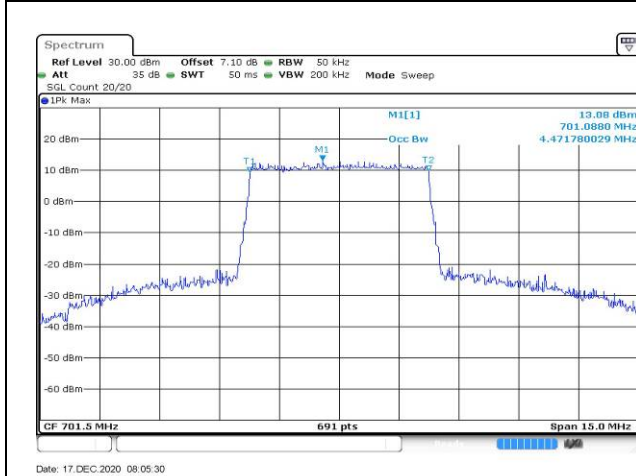


Fig.21

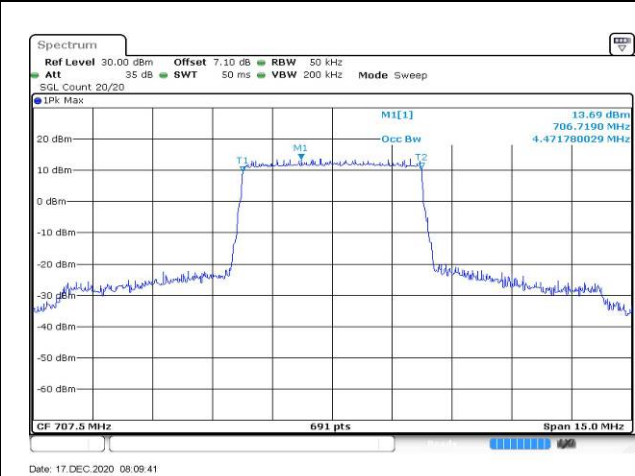


Fig.22

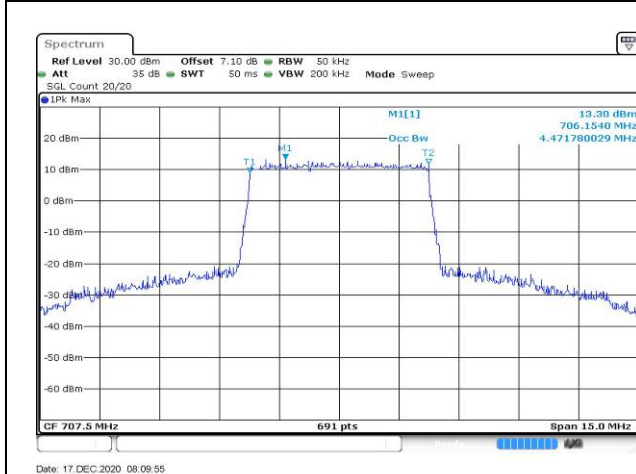


Fig.23

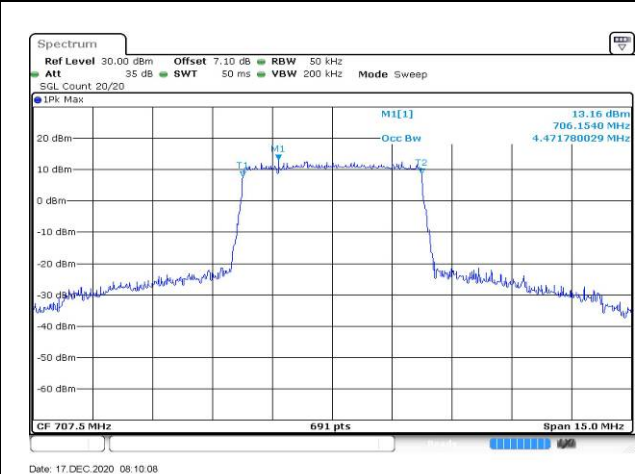


Fig.24

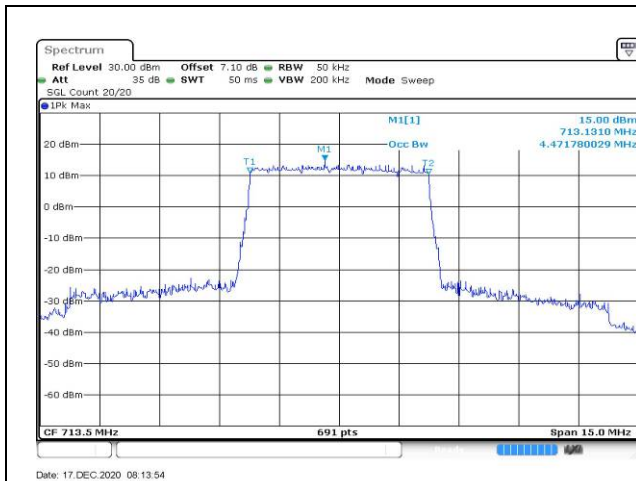


Fig.25

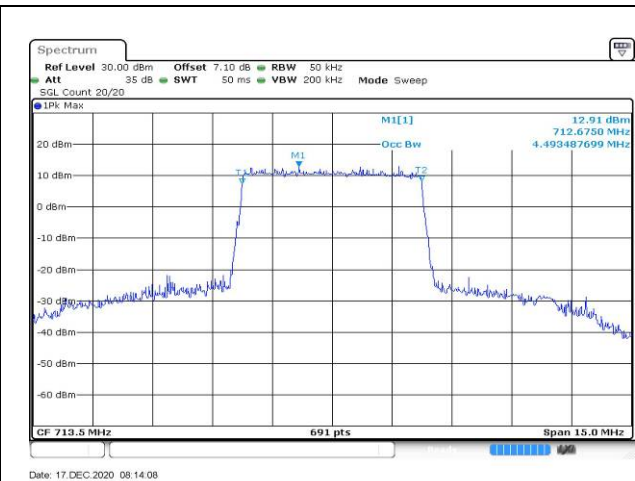


Fig.26

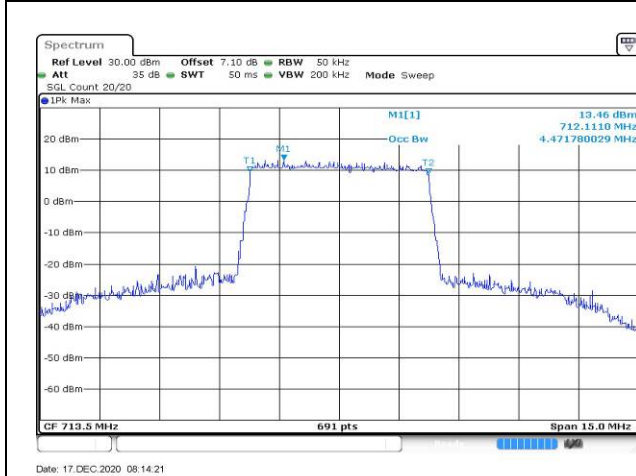


Fig.27

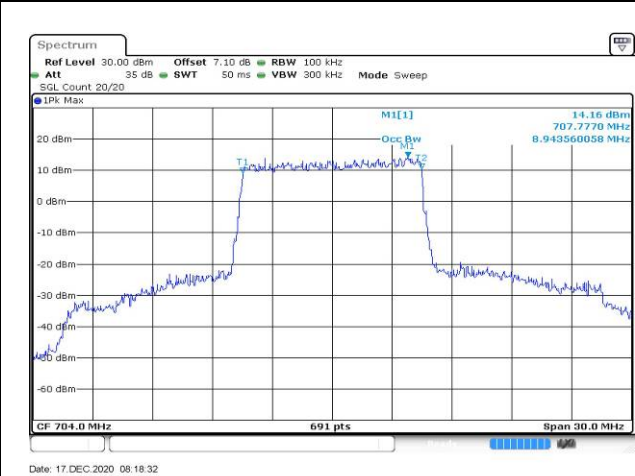


Fig.28

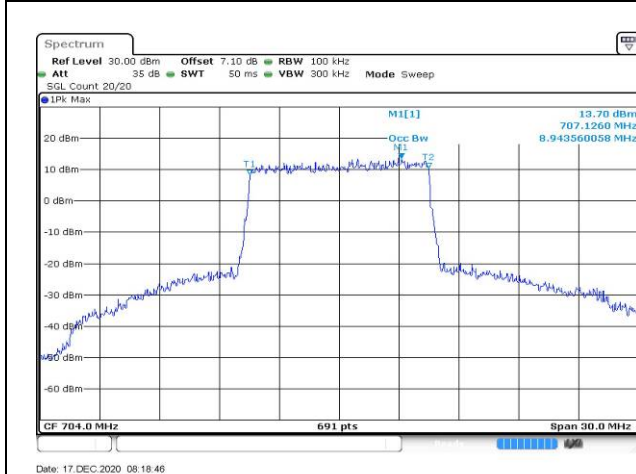


Fig.29

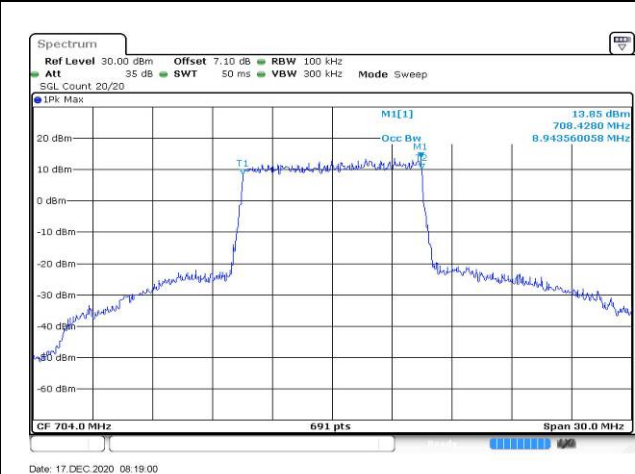
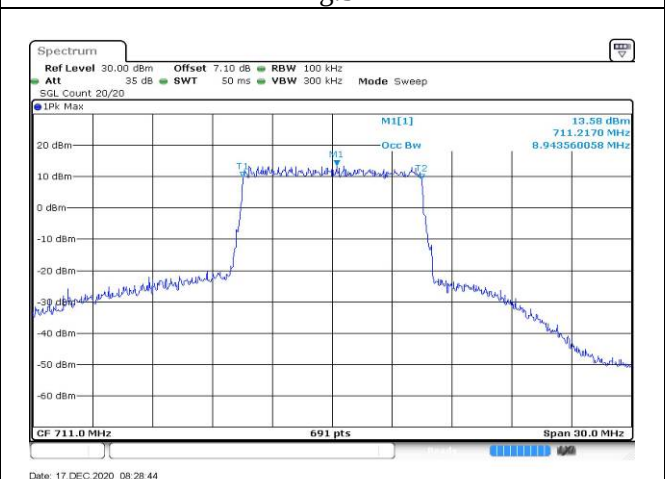
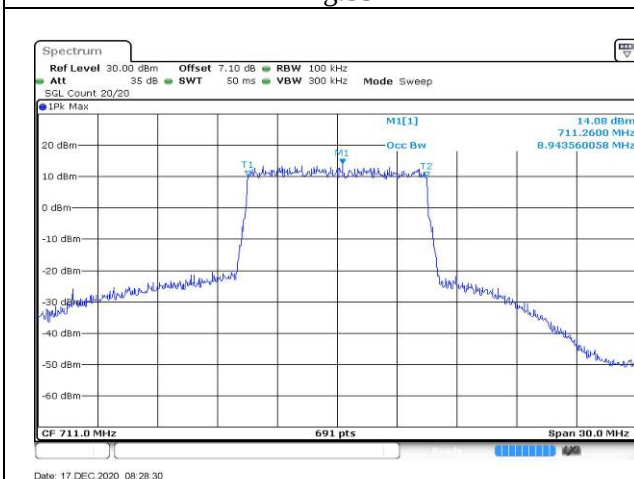
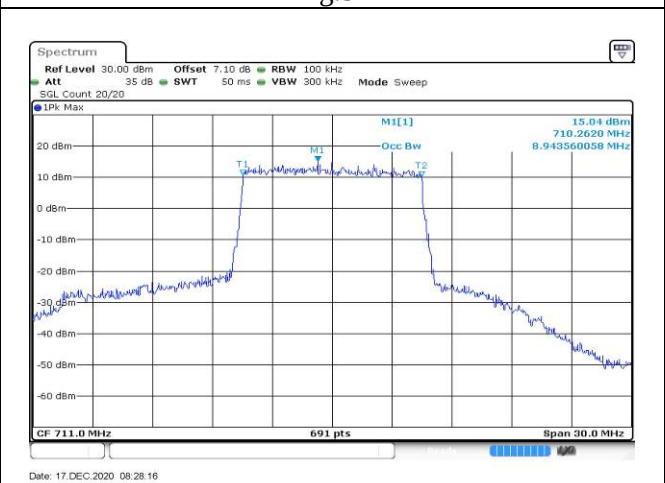
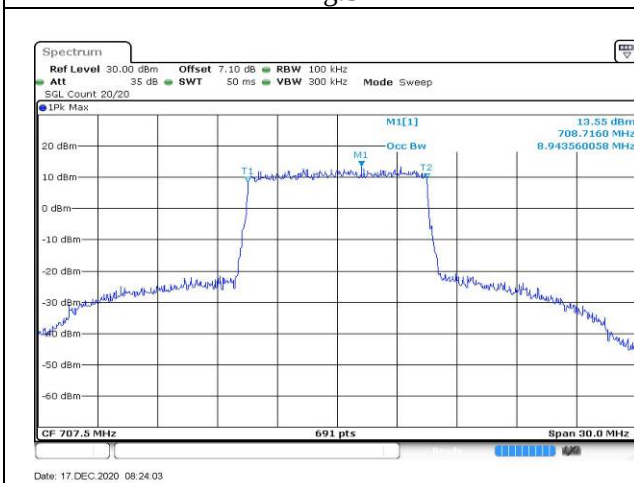
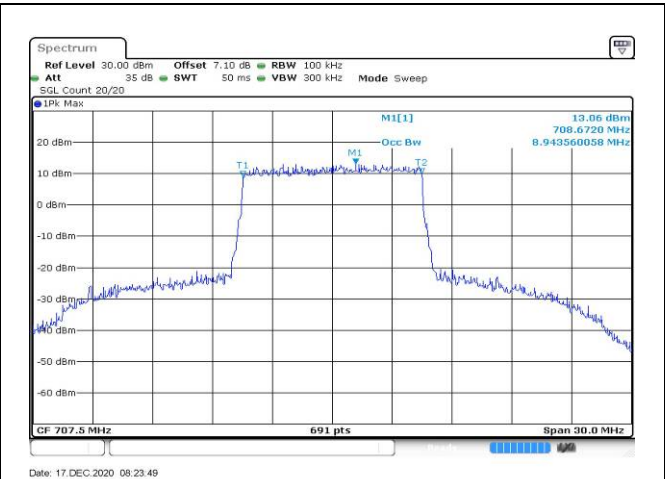
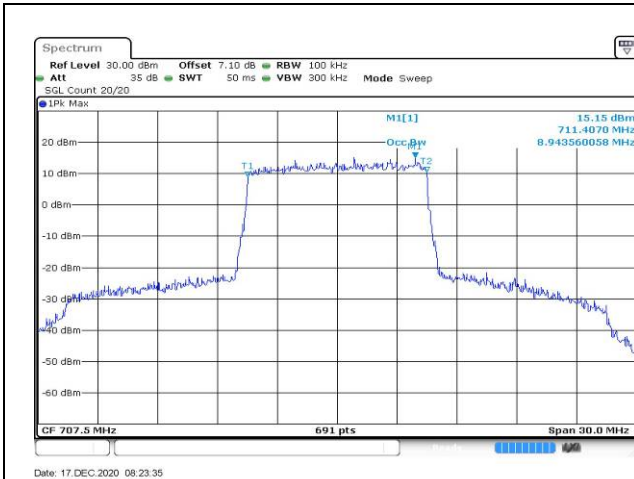


Fig.30



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	1.234	Fig.1	1.216	Fig.2	1.228	Fig.3
	707.5	23095		6	0	1.234	Fig.4	1.216	Fig.5	1.228	Fig.6
	715.3	23173		6	0	1.222	Fig.7	1.228	Fig.8	1.222	Fig.9
	700.5	23025	3	15	0	2.957	Fig.10	2.996	Fig.11	2.970	Fig.12
	707.5	23095		15	0	2.983	Fig.13	2.957	Fig.14	2.996	Fig.15
	714.5	23165		15	0	2.996	Fig.16	2.983	Fig.17	3.022	Fig.18
	701.5	23035	5	25	0	4.906	Fig.19	4.884	Fig.20	4.884	Fig.21
	707.5	23095		25	0	4.884	Fig.22	4.884	Fig.23	4.884	Fig.24
	713.5	23155		25	0	4.884	Fig.25	4.906	Fig.26	4.906	Fig.27
	704	23060	10	50	0	9.638	Fig.28	9.682	Fig.29	9.682	Fig.30
	707.5	23095		50	0	9.638	Fig.31	9.725	Fig.32	9.682	Fig.33
	711	23130		50	0	9.725	Fig.34	9.768	Fig.35	9.812	Fig.36

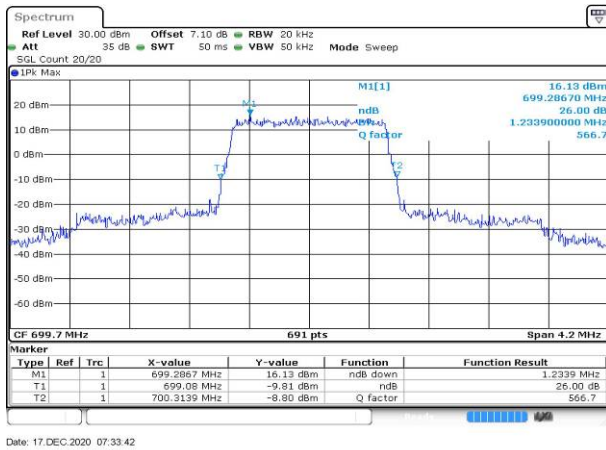


Fig.1

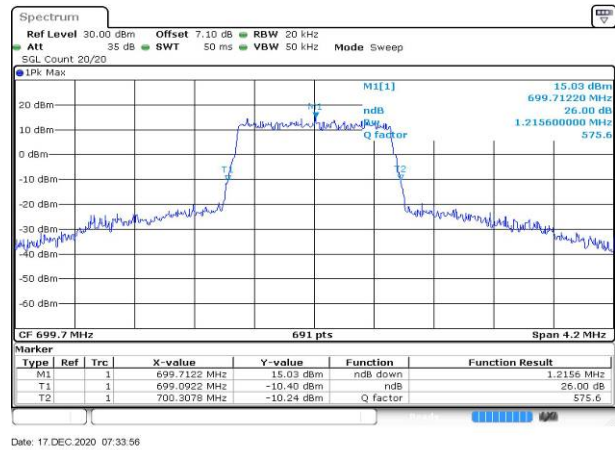


Fig.2

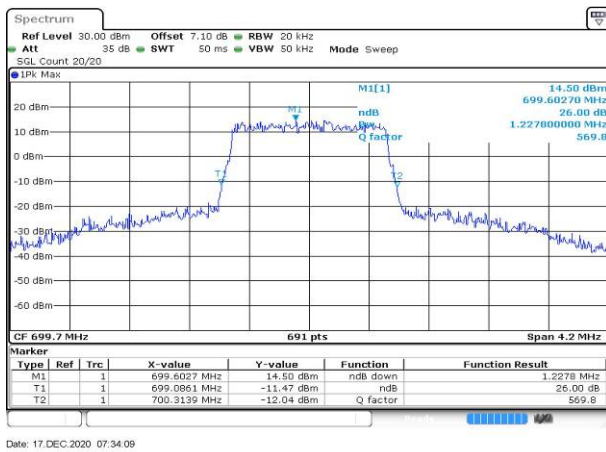


Fig.3

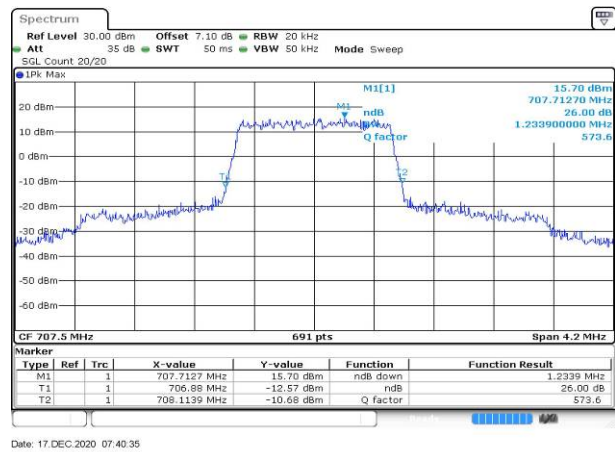


Fig.4

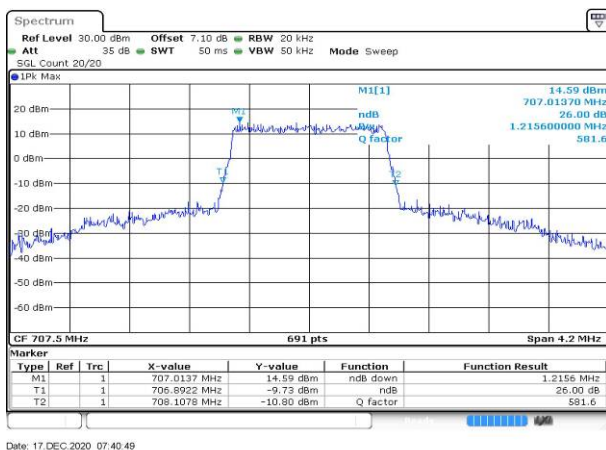


Fig.5

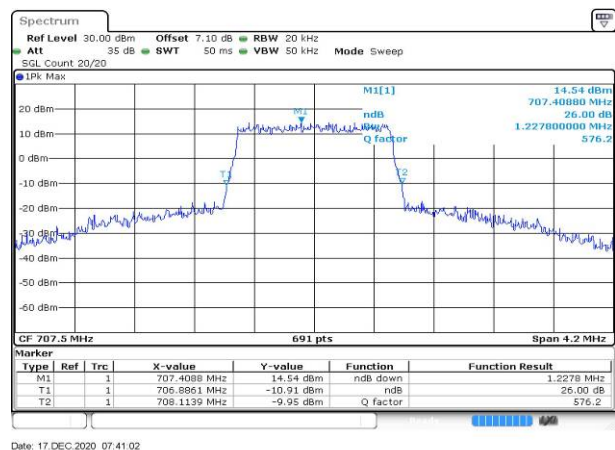


Fig.6

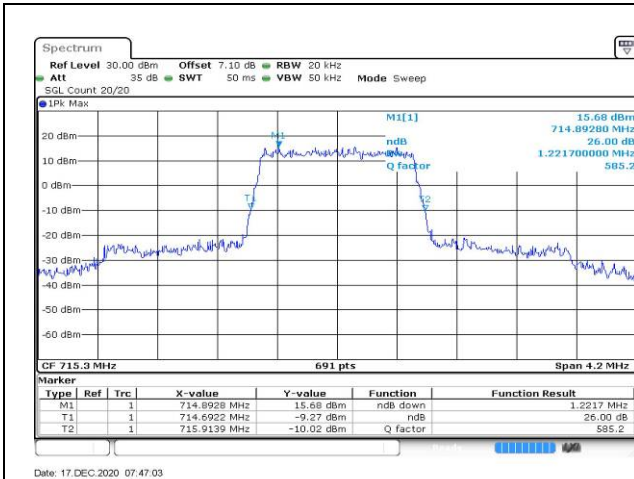


Fig.7

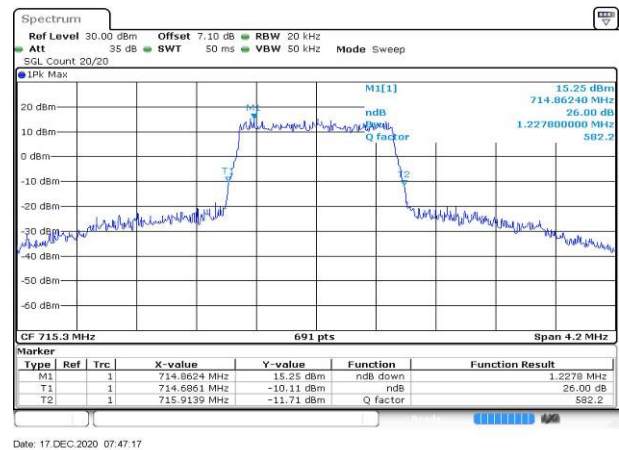


Fig.8

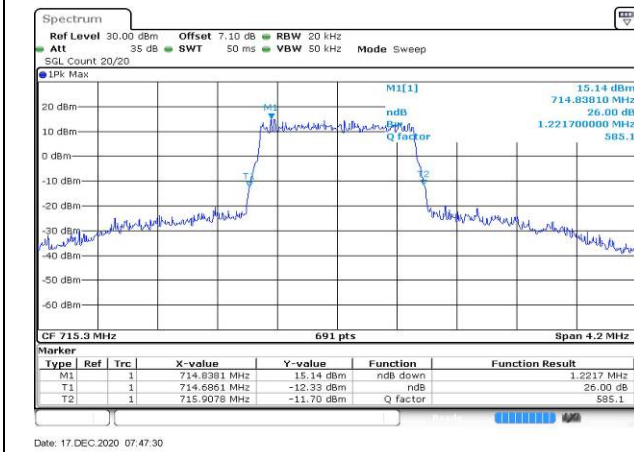


Fig.9

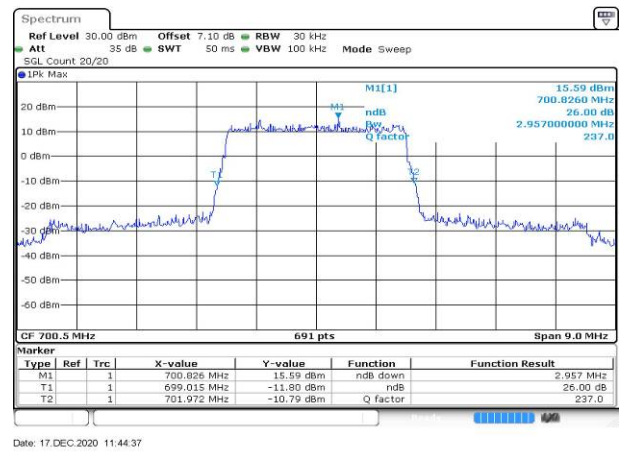


Fig.10

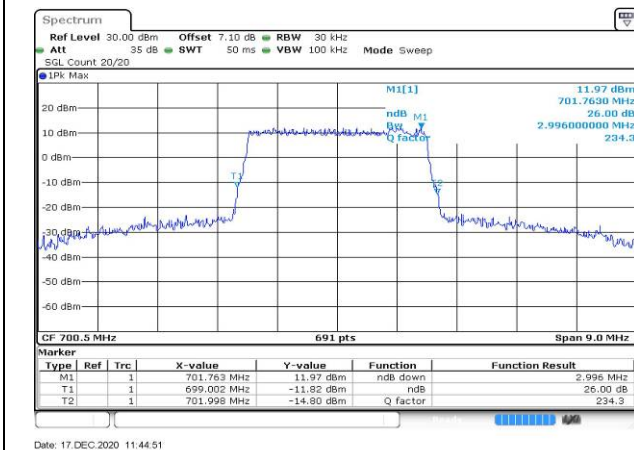


Fig.11

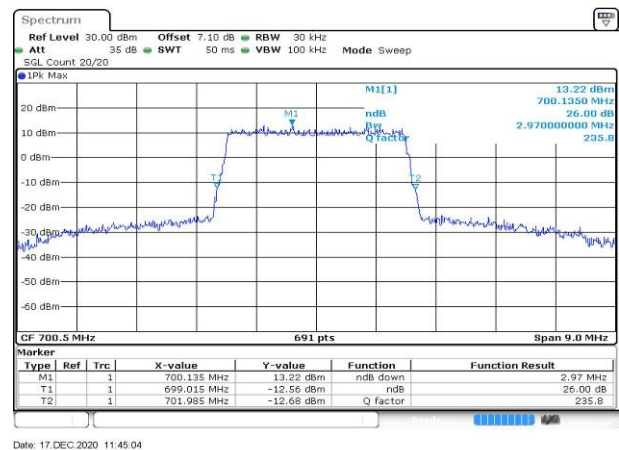


Fig.12

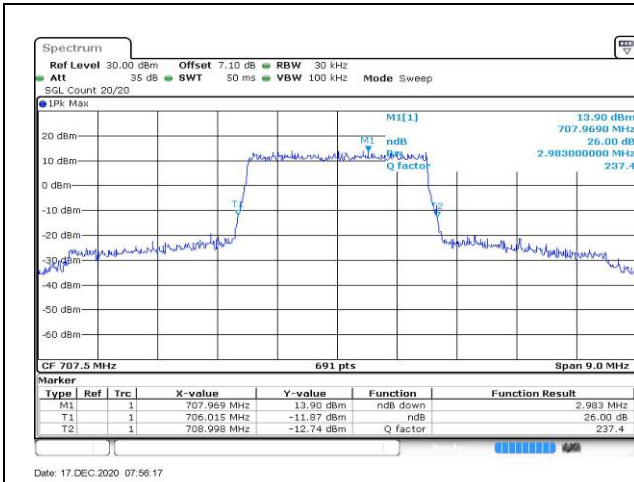


Fig.13

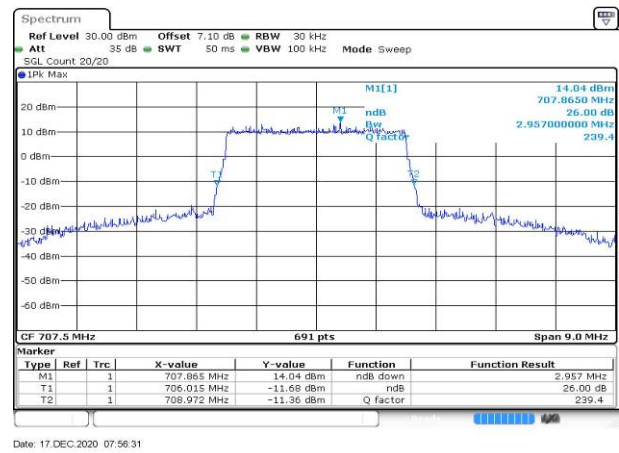


Fig.14

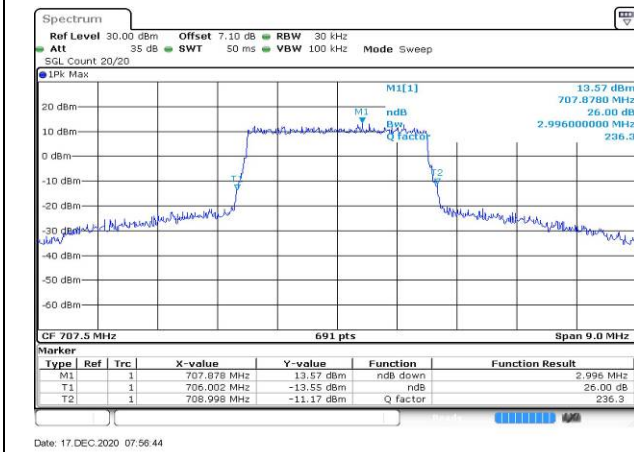


Fig.15

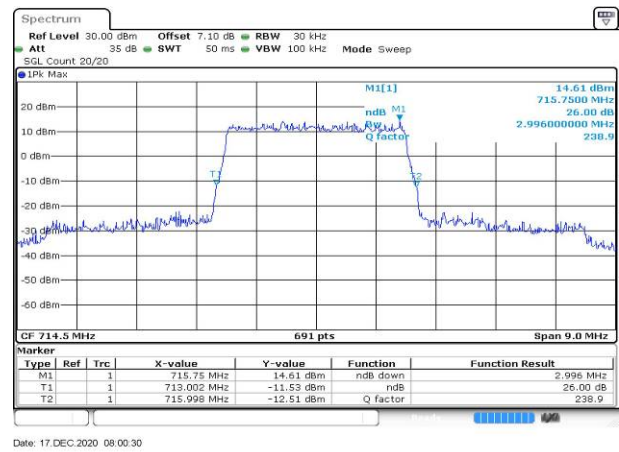


Fig.16

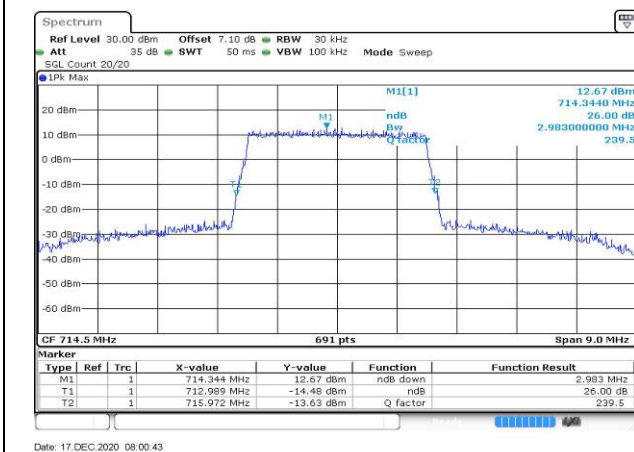


Fig.17

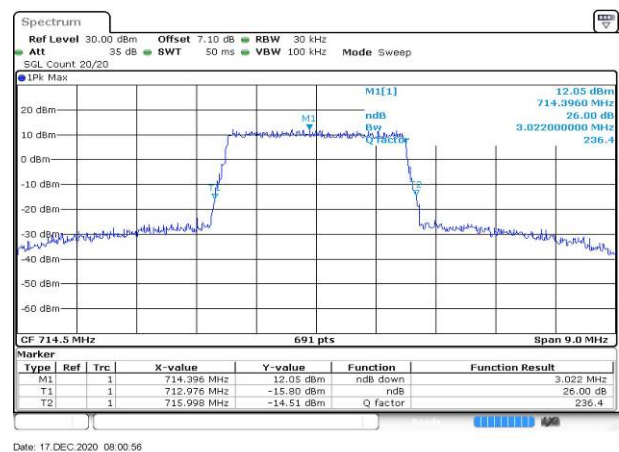


Fig.18

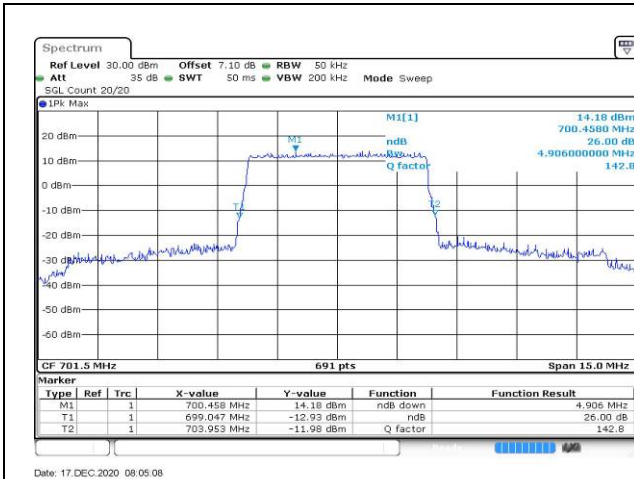


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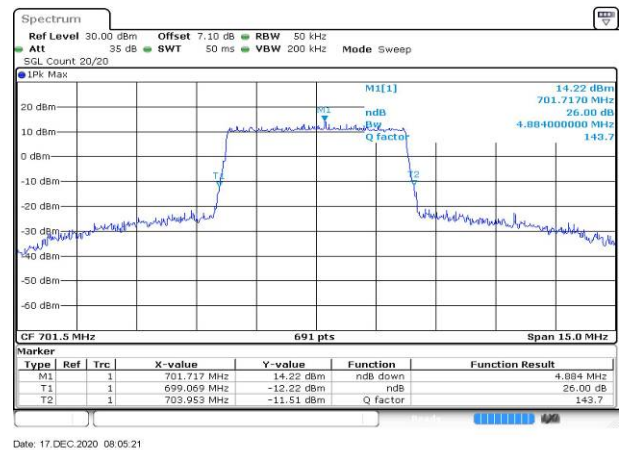


Fig.20

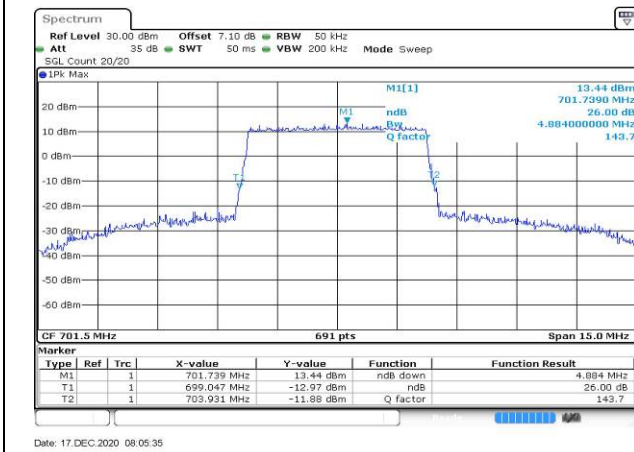


Fig.21

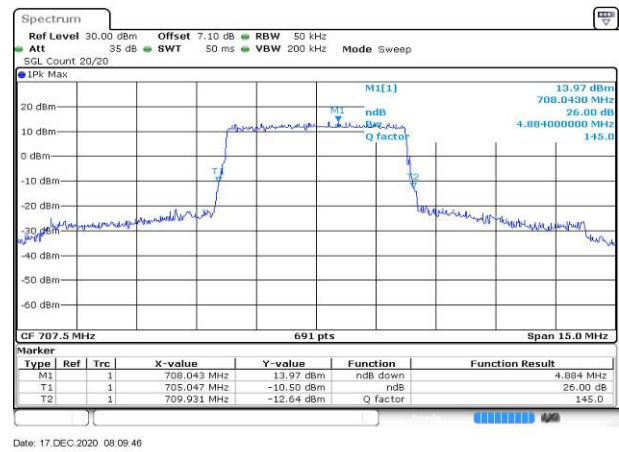


Fig.22

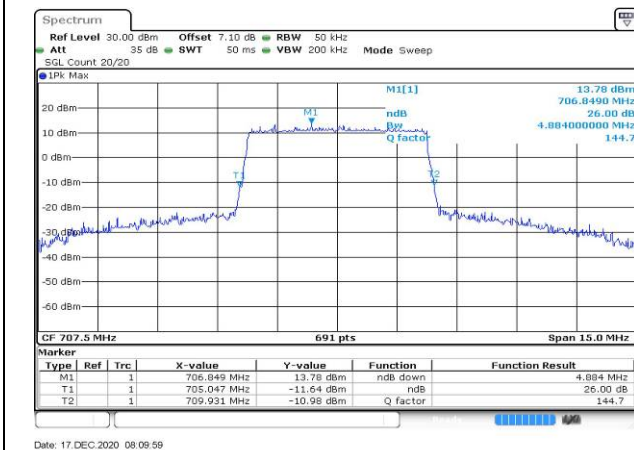


Fig.23

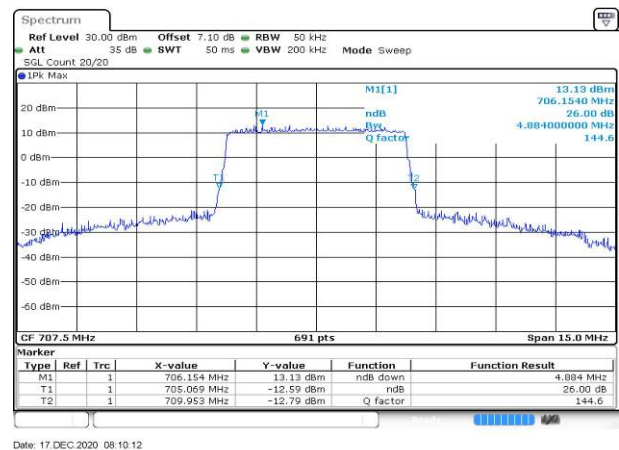


Fig.24

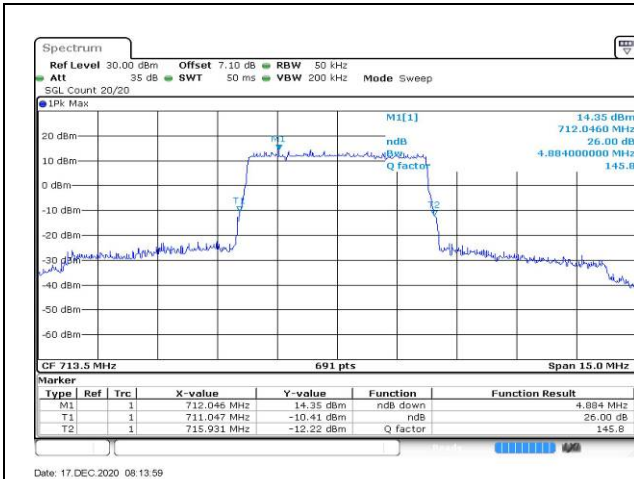


Fig.25

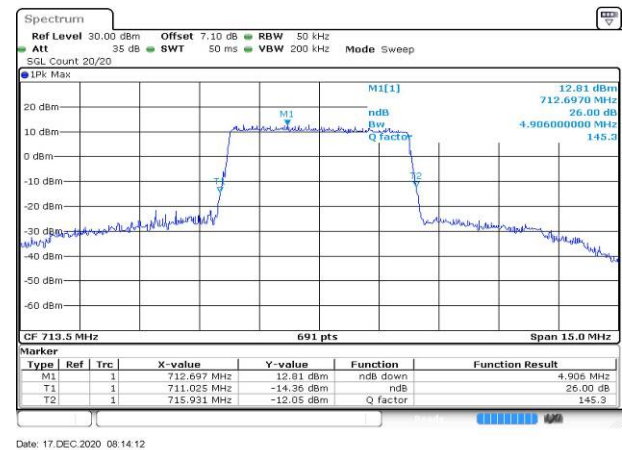


Fig.26

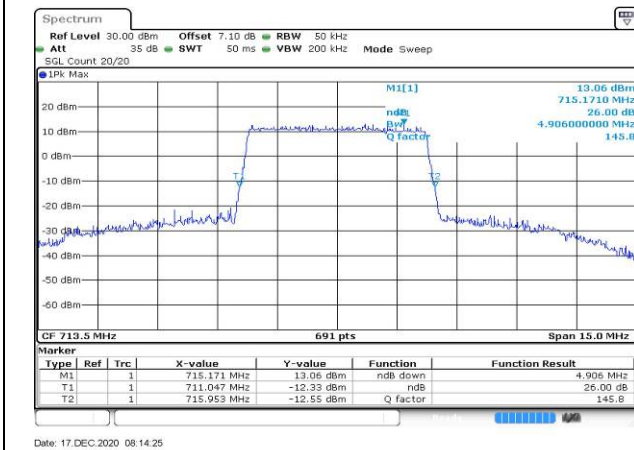


Fig.27

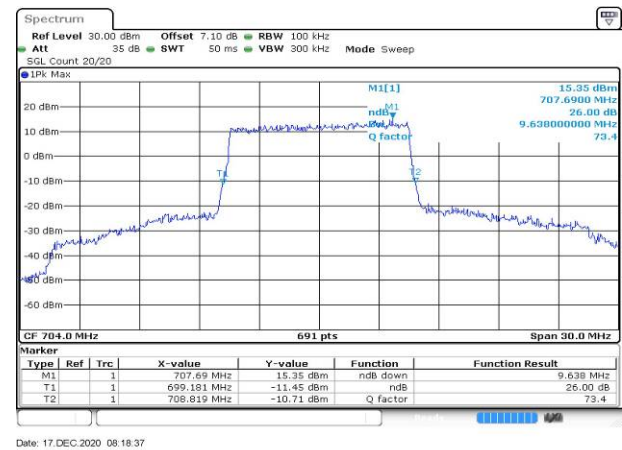


Fig.28

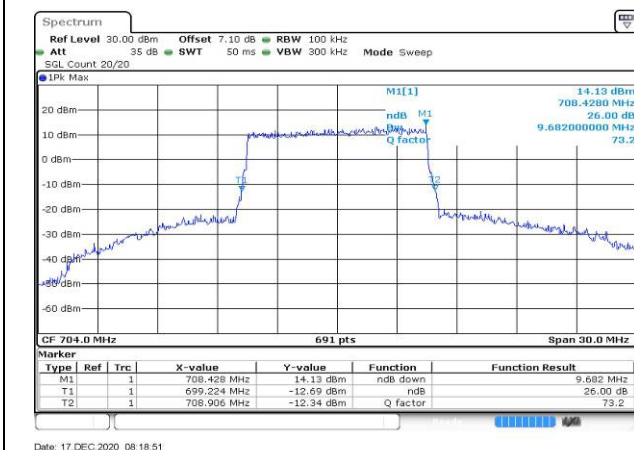


Fig.29

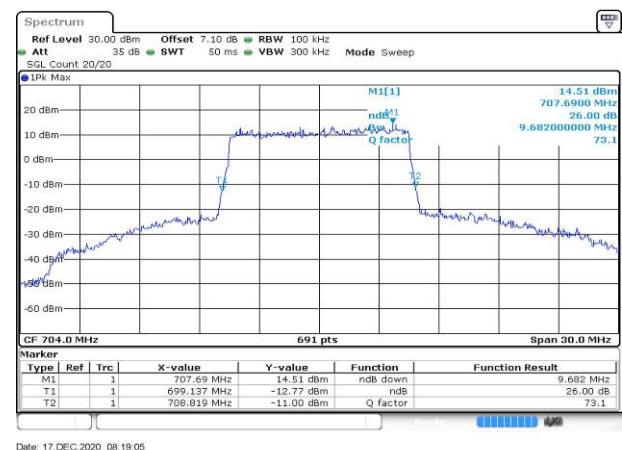


Fig.30

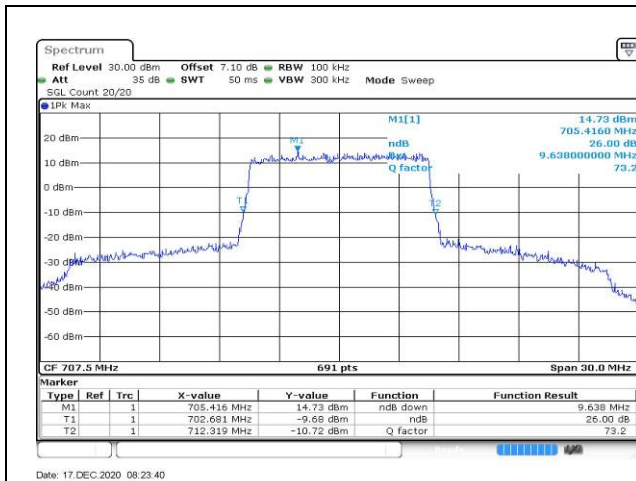


Fig.31

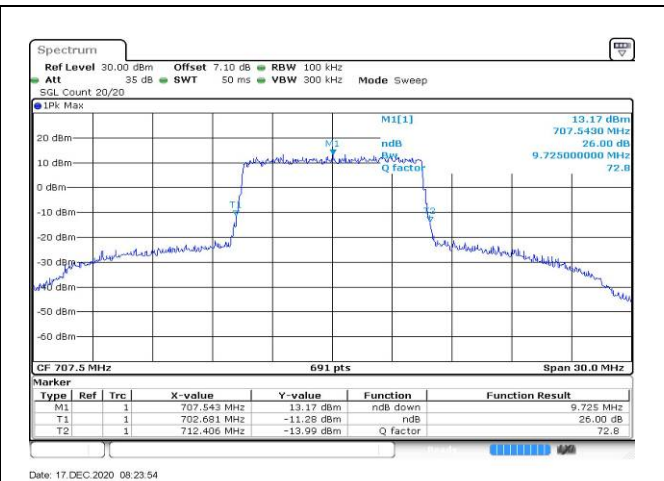


Fig.32

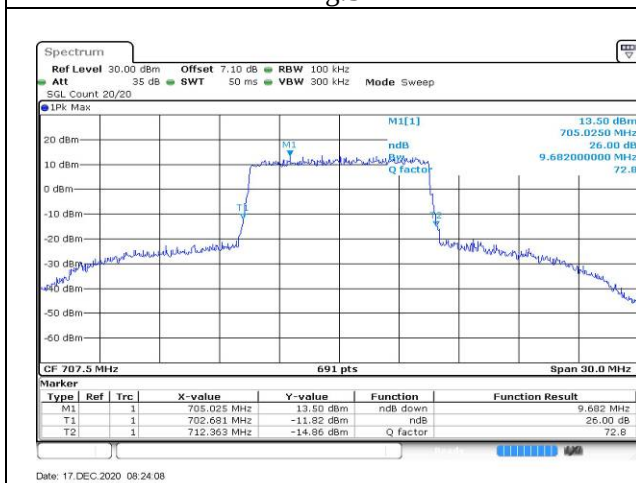


Fig.33

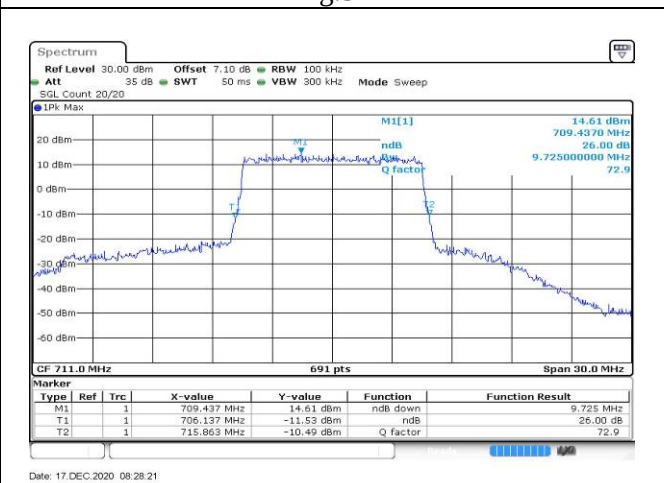


Fig.34

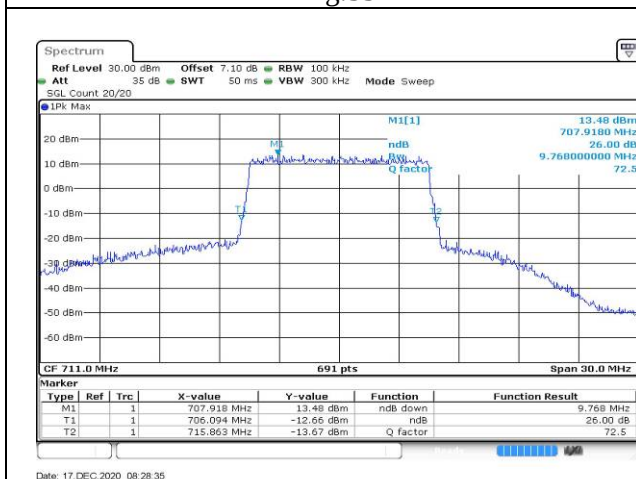


Fig.35

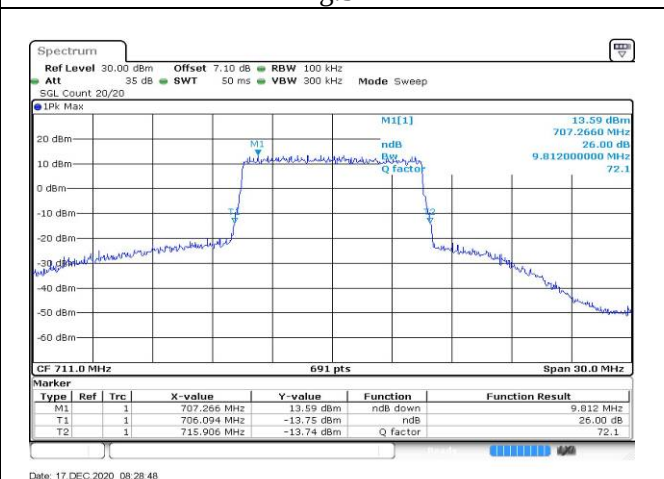


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
12	699.7	23017	1.4	1	5	Fig.1	Fig.2	Fig.3
	699.7	23017		6	0	Fig.4	Fig.5	Fig.6
	707.5	23095		1	5	Fig.7	Fig.8	Fig.9
	707.5	23095		6	0	Fig.10	Fig.11	Fig.12
	715.3	23173		1	5	Fig.13	Fig.14	Fig.15
	715.3	23173		6	0	Fig.16	Fig.17	Fig.18
	700.5	23025	3	1	14	Fig.19	Fig.20	Fig.21
	700.5	23025		15	0	Fig.22	Fig.23	Fig.24
	707.5	23095		1	14	Fig.25	Fig.26	Fig.27
	707.5	23095		15	0	Fig.28	Fig.29	Fig.30
	714.5	23165		1	14	Fig.31	Fig.32	Fig.33
	714.5	23165		15	0	Fig.34	Fig.35	Fig.36
	701.5	23035	5	1	24	Fig.37	Fig.38	Fig.39
	701.5	23035		25	0	Fig.40	Fig.41	Fig.42
	707.5	23095		1	24	Fig.43	Fig.44	Fig.45
	707.5	23095		25	0	Fig.46	Fig.47	Fig.48
	713.5	23155		1	24	Fig.49	Fig.50	Fig.51
	713.5	23155		25	0	Fig.52	Fig.53	Fig.54
	704	23060	10	1	49	Fig.55	Fig.56	Fig.57
	704	23060		50	0	Fig.58	Fig.59	Fig.60
	707.5	23095		1	49	Fig.61	Fig.62	Fig.63
	707.5	23095		50	0	Fig.64	Fig.65	Fig.66
	711	23130		1	49	Fig.67	Fig.68	Fig.69
	711	23130		50	0	Fig.70	Fig.71	Fig.72

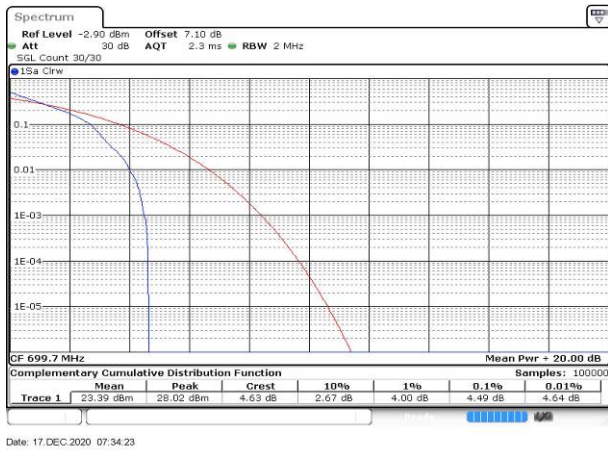


Fig.1

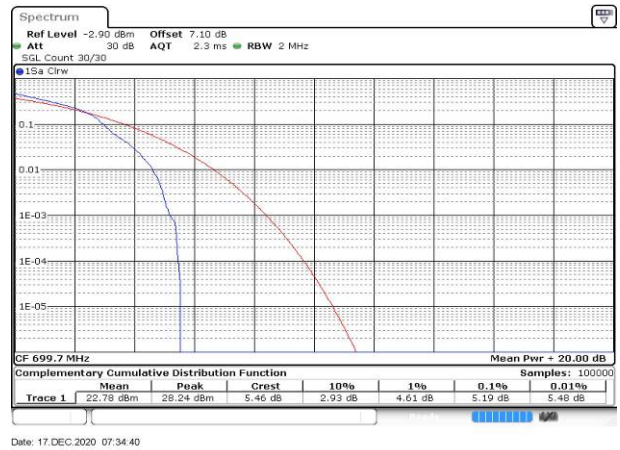


Fig.2

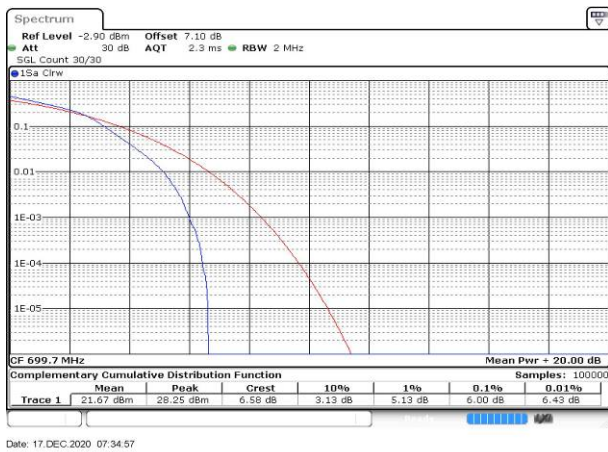


Fig.3

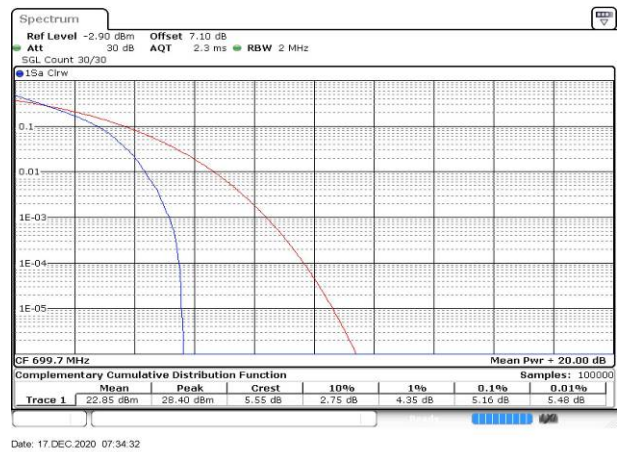


Fig.4

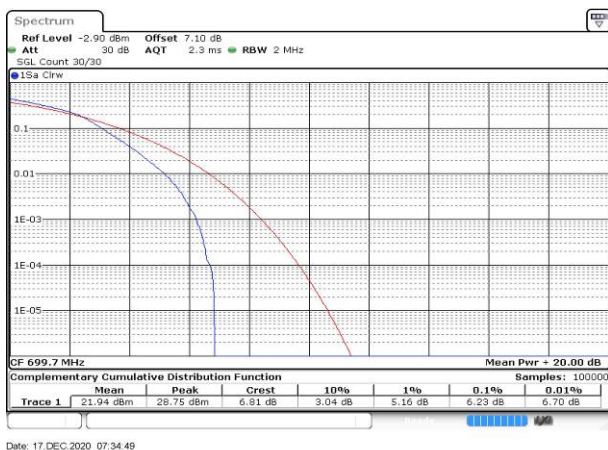


Fig.5

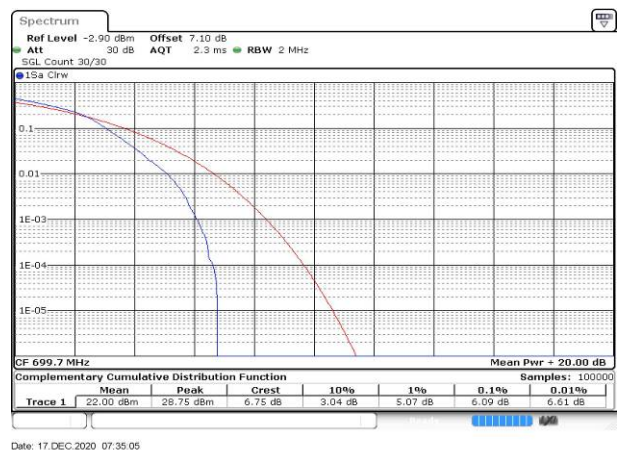


Fig.6

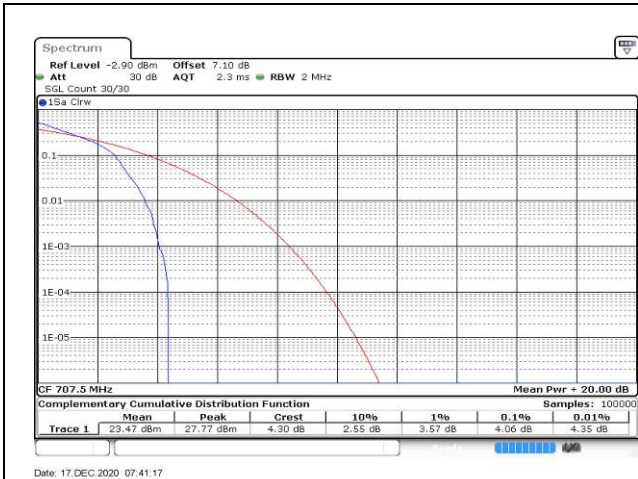


Fig.7

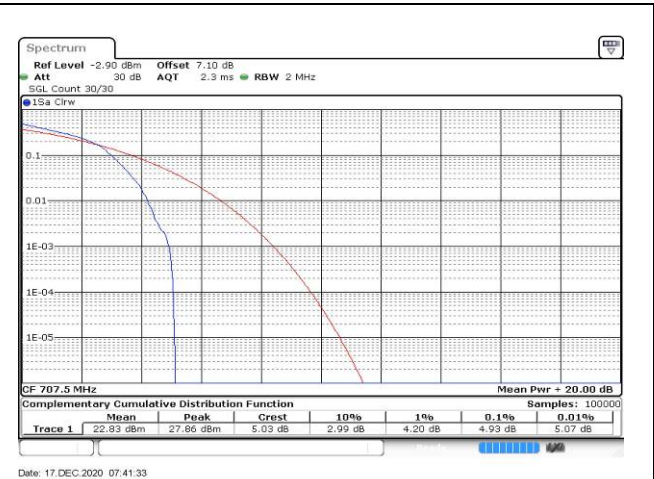


Fig.8

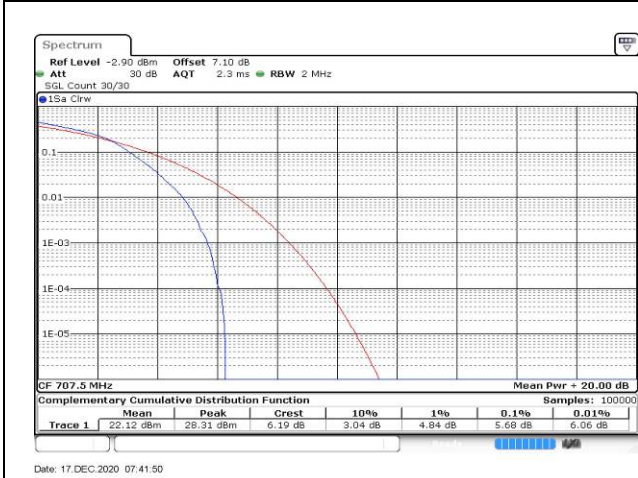


Fig.9



Fig.10



Fig.11



Fig.12

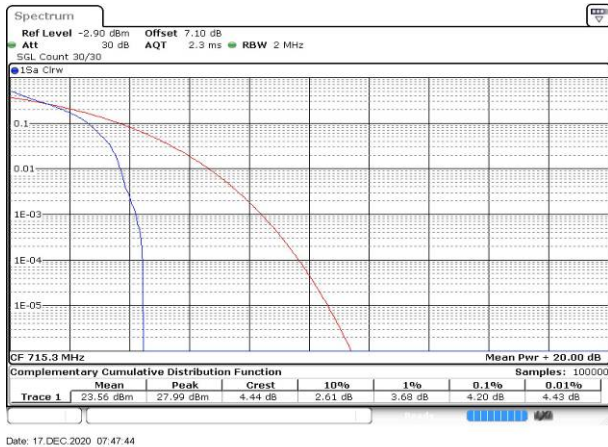


Fig.13

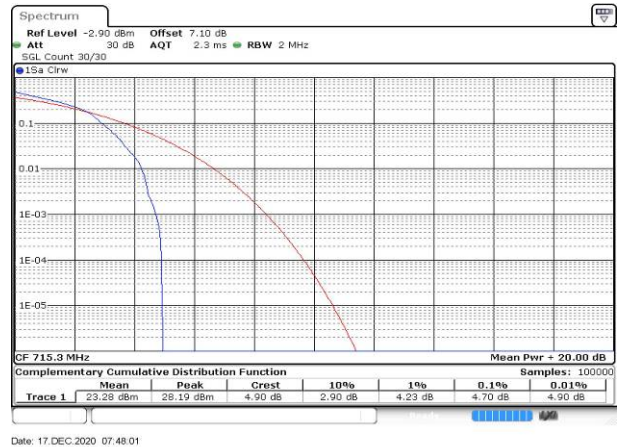


Fig.14

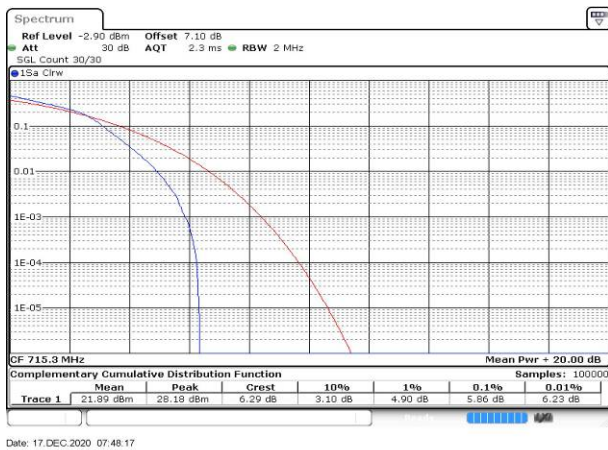


Fig.15

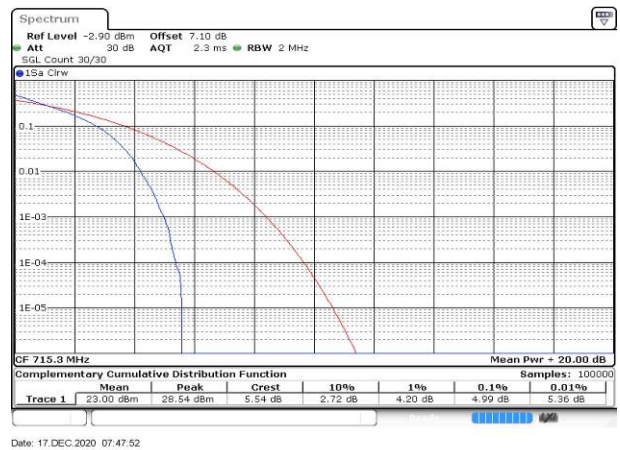


Fig.16



Fig.17

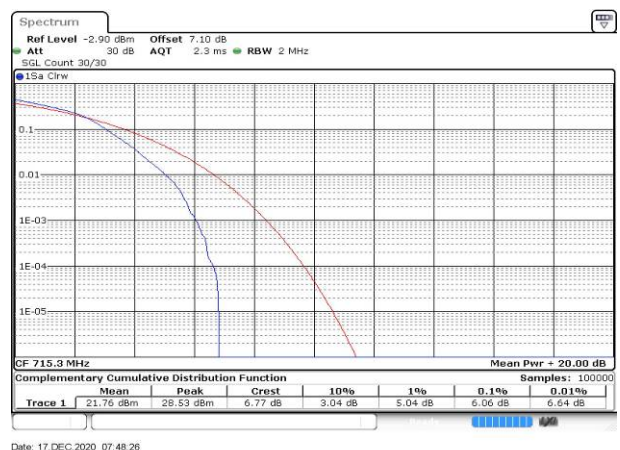


Fig.18