

LTE Band 17
1 RF Power Output

2.4G Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	706.5	23755	5	1	0	24.37	
				1	12	24.42	
				1	24	24.35	
				12	0	23.48	
				12	7	23.36	
				12	13	23.36	
				25	0	23.24	
	710	23790		1	0	24.41	
				1	12	24.39	
				1	24	24.38	
				12	0	23.37	
				12	7	23.42	
				12	13	23.42	
				25	0	23.42	
	713.5	23825		1	0	24.35	
				1	12	24.36	
				1	24	24.33	
				12	0	23.45	
				12	7	23.38	
				12	13	23.30	
				25	0	23.37	
	16QAM	706.5		23755	1	0	22.58
					1	12	22.68
					1	24	22.53
12			0		22.19		
12			7		22.33		
12			13		22.33		
25			0		22.27		
710		23790	1	0	23.31		
			1	12	23.41		
			1	24	23.41		
			12	0	22.40		
			12	7	22.40		
			12	13	22.40		
			25	0	22.64		
713.5		23825	1	0	23.29		
			1	12	23.32		
			1	24	23.46		
			12	0	22.23		
			12	7	22.18		
			12	13	22.18		
			25	0	22.33		

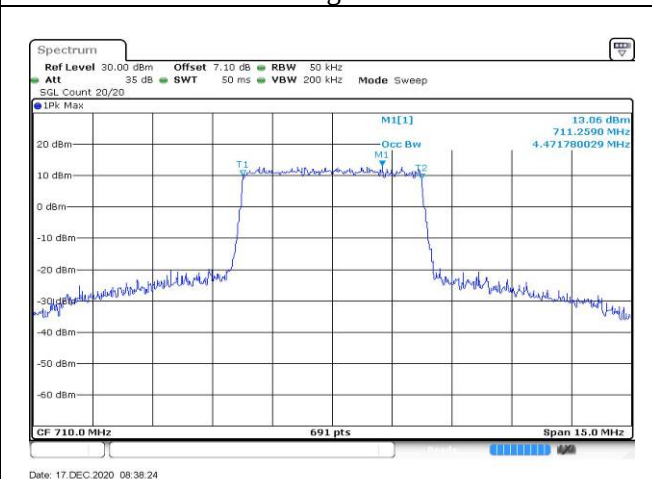
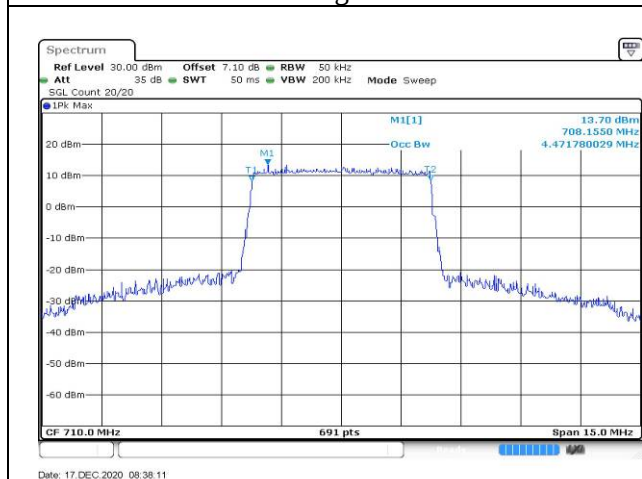
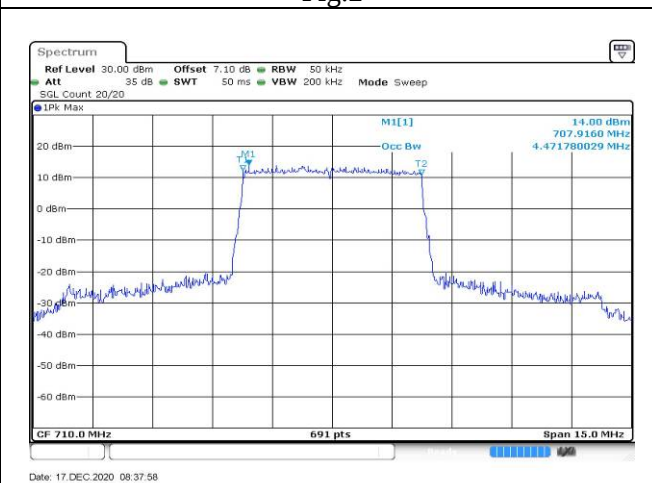
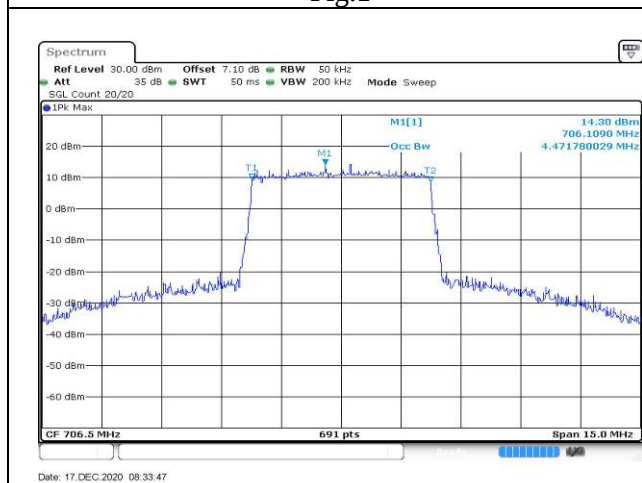
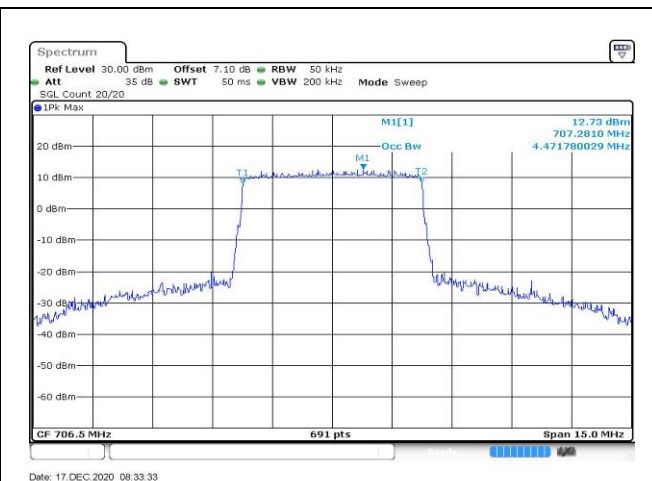
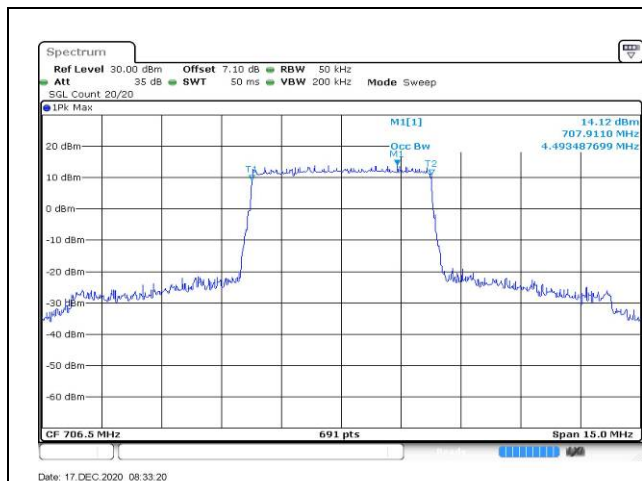
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	706.5	23755	5	1	0	22.27
				1	12	22.27
				1	24	22.27
				12	0	22.27
				12	7	22.26
				12	13	22.27
				25	0	22.32
	710	23790		1	0	22.64
				1	12	22.64
				1	24	22.63
				12	0	22.68
				12	7	22.72
				12	13	22.63
				25	0	22.63
	713.5	23825		1	0	22.34
				1	12	22.34
				1	24	22.08
				12	0	22.21
				12	7	22.09
				12	13	22.35
				25	0	22.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	709	23780	10	1	0	24.22	
				1	25	24.15	
				1	49	24.24	
				25	0	23.33	
				25	12	23.44	
				25	25	23.44	
				50	0	23.40	
	710	23790		1	0	24.41	
				1	25	24.30	
				1	49	24.30	
				25	0	23.39	
				25	12	23.42	
				25	25	23.42	
				50	0	23.48	
	711	23800		1	0	24.57	
				1	25	24.61	
				1	49	24.64	
				25	0	23.39	
				25	12	23.43	
				25	25	23.44	
				50	0	23.37	
	16QAM	709		23780	1	0	23.39
					1	25	23.41
					1	49	23.36
25					0	22.21	
25					12	22.35	
25					25	22.35	
50					0	22.28	
710		23790		1	0	24.06	
				1	25	24.05	
			1	49	24.04		
			25	0	22.36		
			25	12	22.28		
			25	25	22.29		
			50	0	22.69		
711		23800	1	0	23.17		
			1	25	23.08		
			1	49	23.08		
			25	0	22.46		
			25	12	22.37		
			25	25	22.48		
			50	0	22.72		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	709	23780	10	1	0	22.28
				1	25	22.28
				1	49	22.28
				25	0	22.28
				25	12	22.28
				25	25	22.28
				50	0	22.28
	710	23790		1	0	22.69
				1	25	22.73
				1	49	22.72
				25	0	22.76
				25	12	22.72
				25	25	22.68
				50	0	22.68
	711	23800		1	0	22.72
				1	25	22.72
				1	49	22.73
				25	0	22.73
				25	12	22.73
				25	25	22.73
				50	0	22.73

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
17	706.5	23755	5	25	0	4.493	Fig.1	4.472	Fig.2	4.472	Fig.3
	710	23790		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	713.5	23825		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	709	23780	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	710	23790		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	711	23800		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18



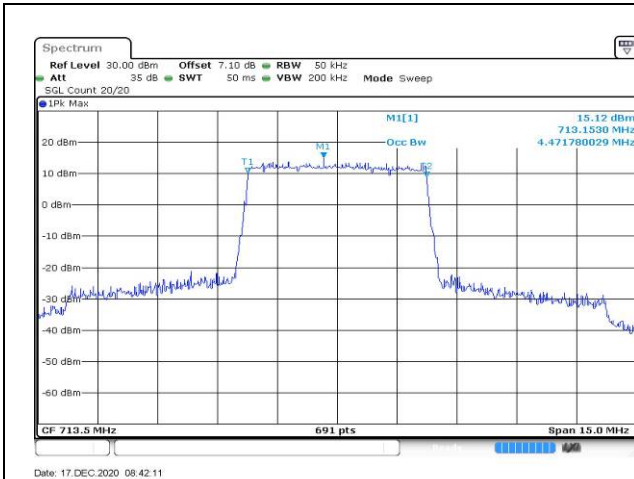


Fig.7

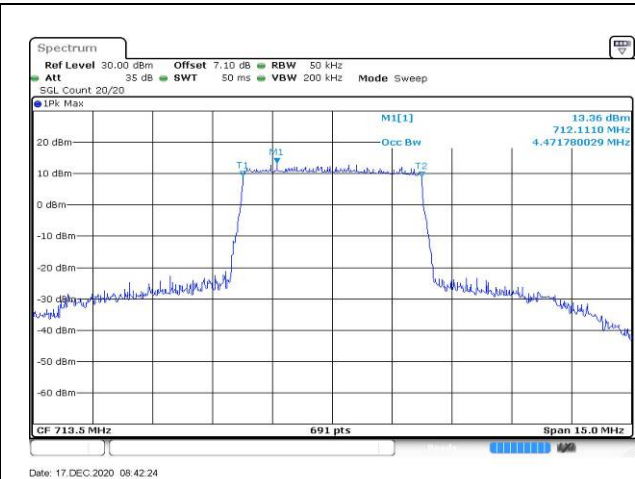


Fig.8

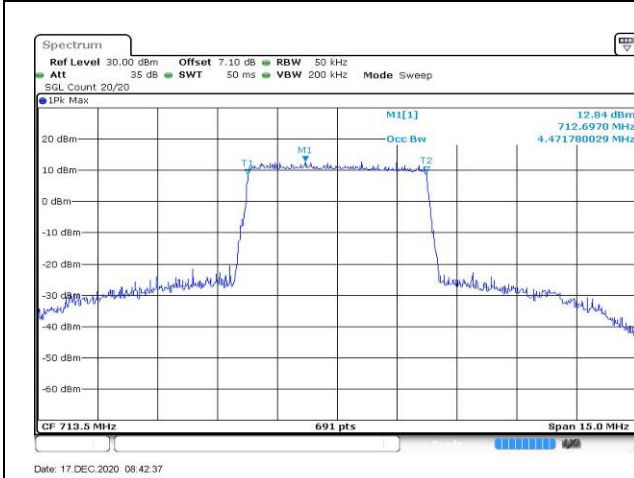


Fig.9

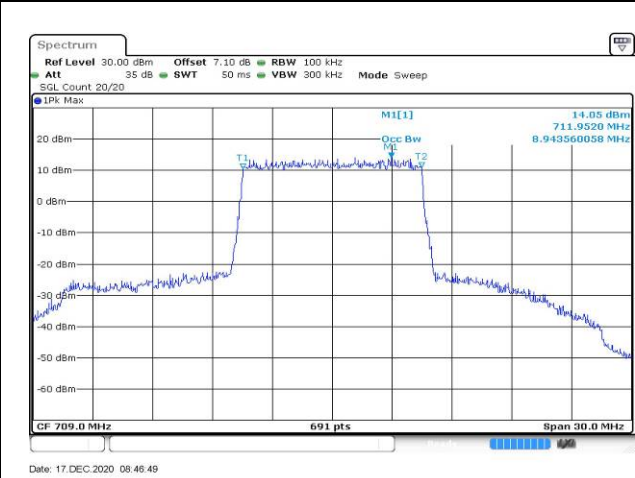


Fig.10

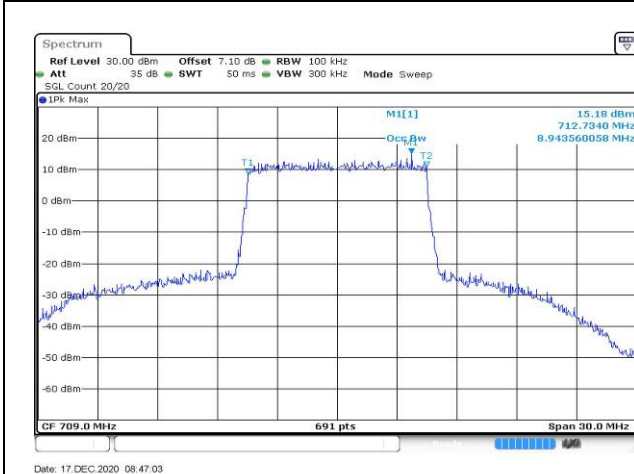


Fig.11

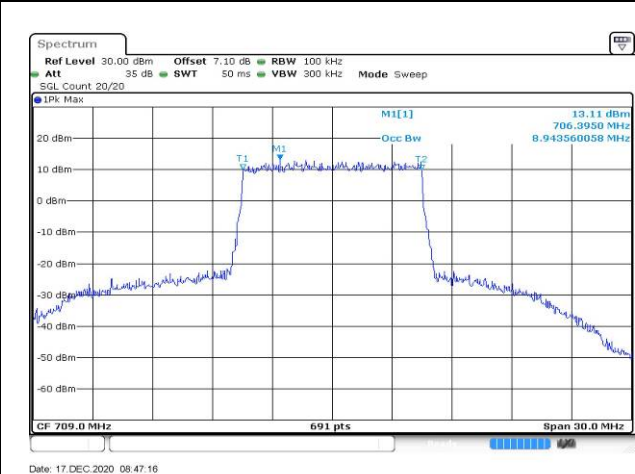
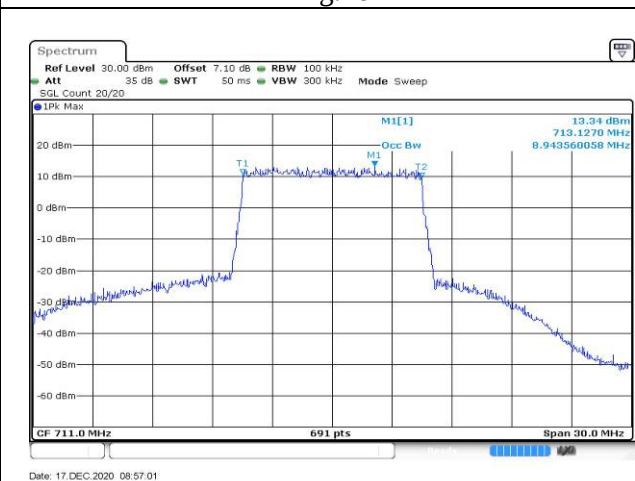
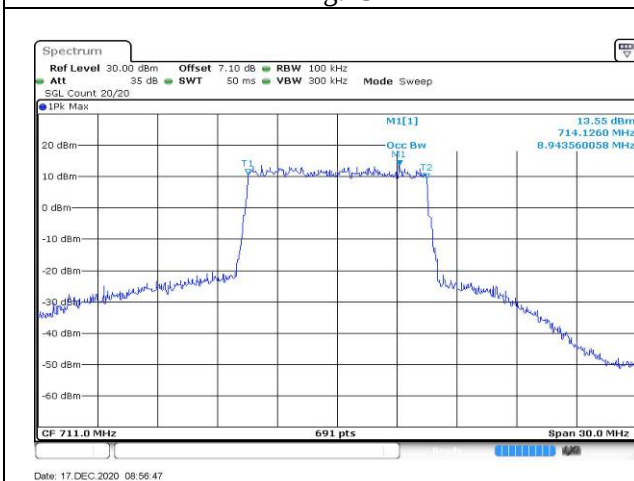
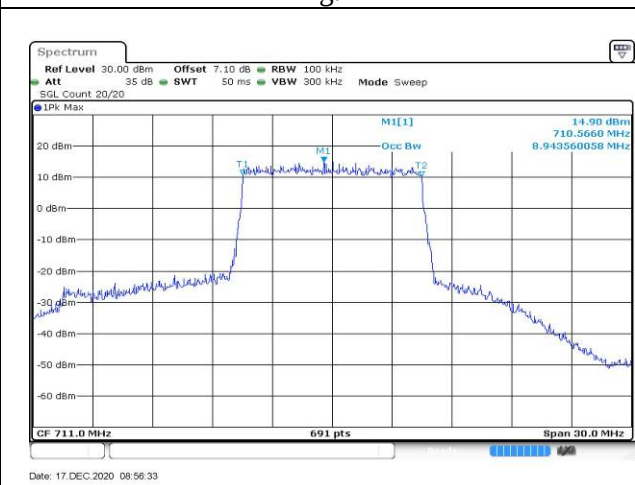
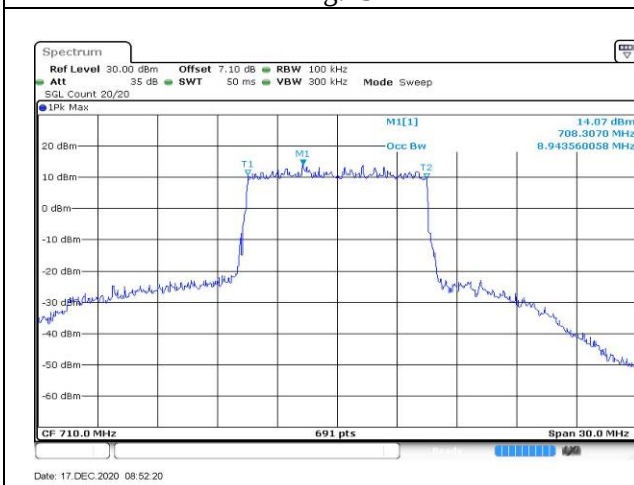
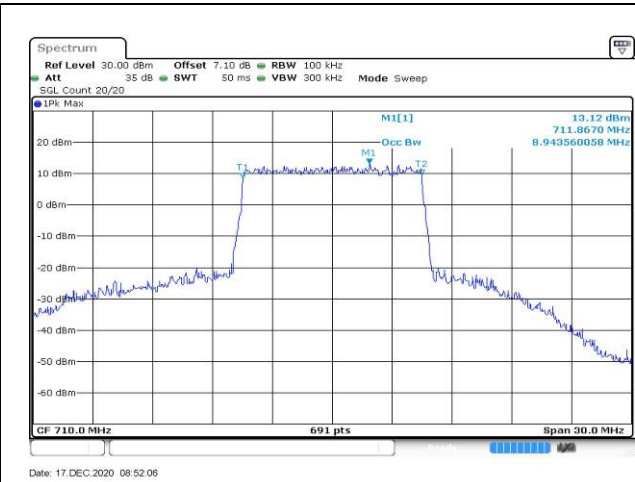
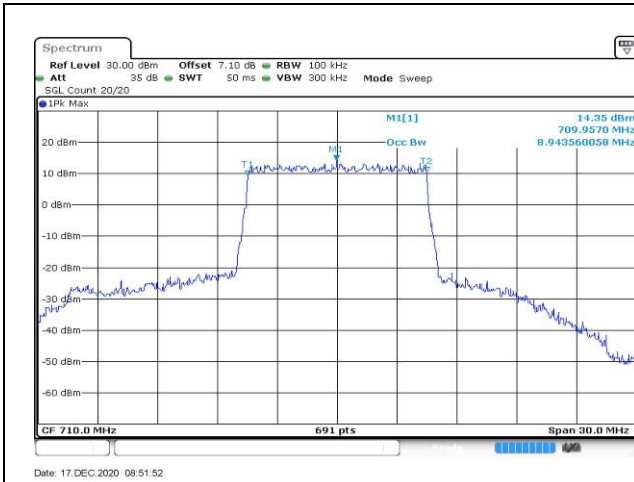


Fig.12



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	
17	706.5	23755	5	25	0	4.884	Fig.1	4.841	Fig.2	4.863	Fig.3
	710	23790		25	0	4.884	Fig.4	4.906	Fig.5	4.906	Fig.6
	713.5	23825		25	0	4.884	Fig.7	4.906	Fig.8	4.906	Fig.9
	709	23780	10	50	0	9.725	Fig.10	9.725	Fig.11	9.725	Fig.12
	710	23790		50	0	9.551	Fig.13	9.682	Fig.14	9.725	Fig.15
	711	23800		50	0	9.682	Fig.16	9.725	Fig.17	9.725	Fig.18

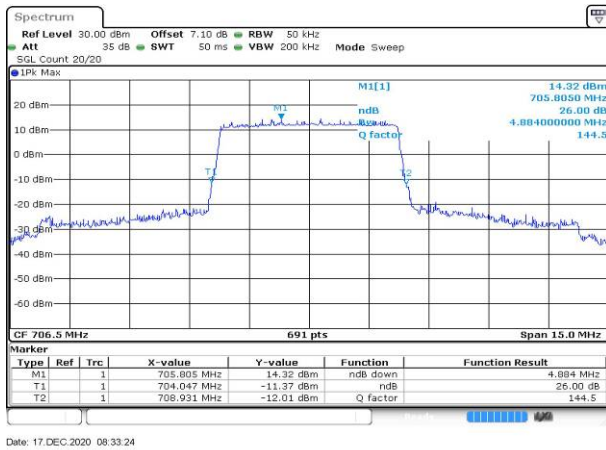


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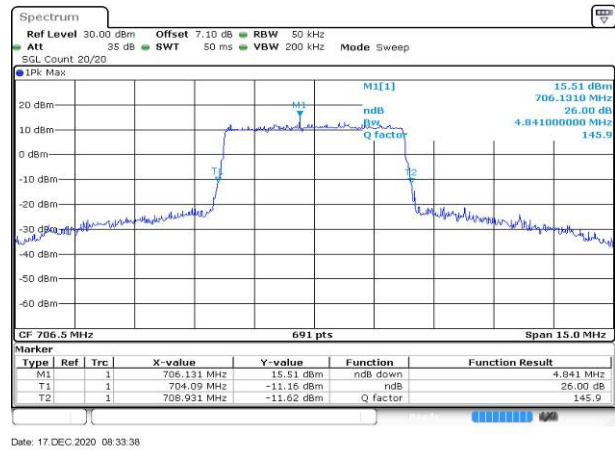


Fig.2

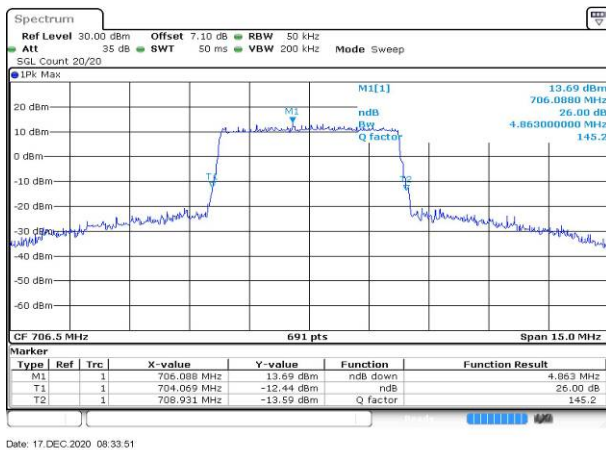


Fig.3

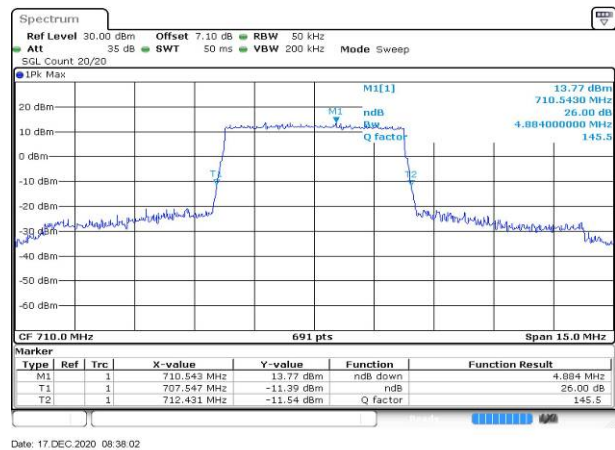


Fig.4

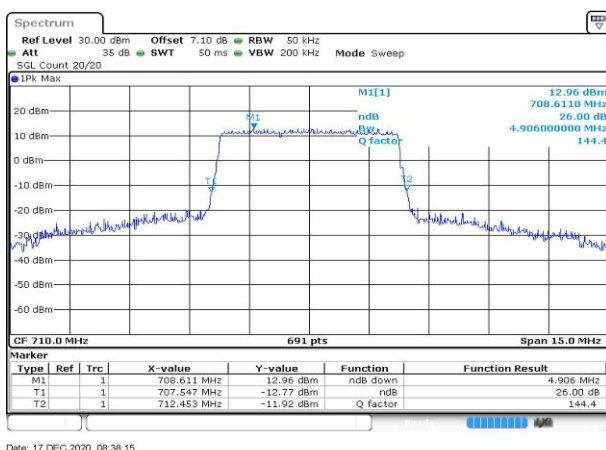


Fig.5

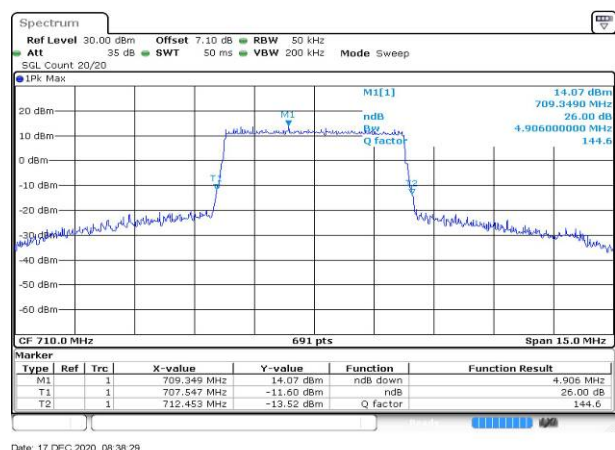


Fig.6

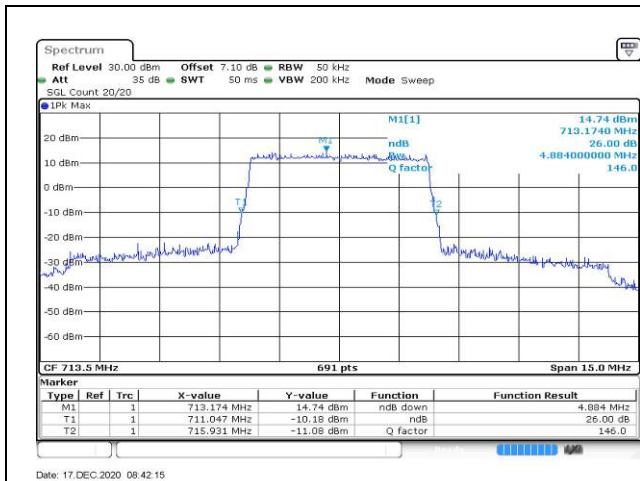


Fig.7

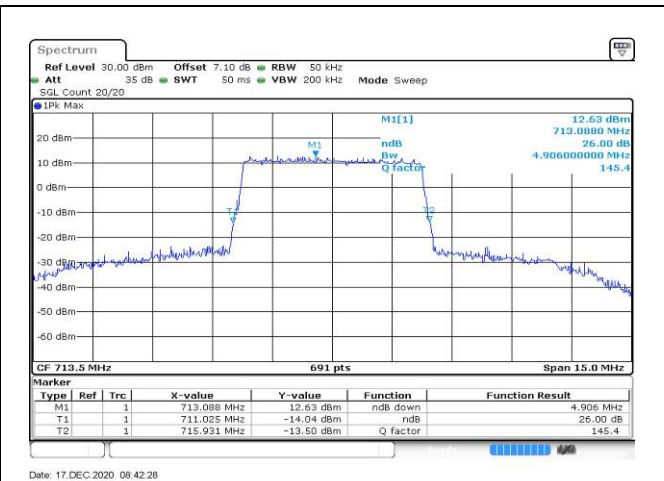


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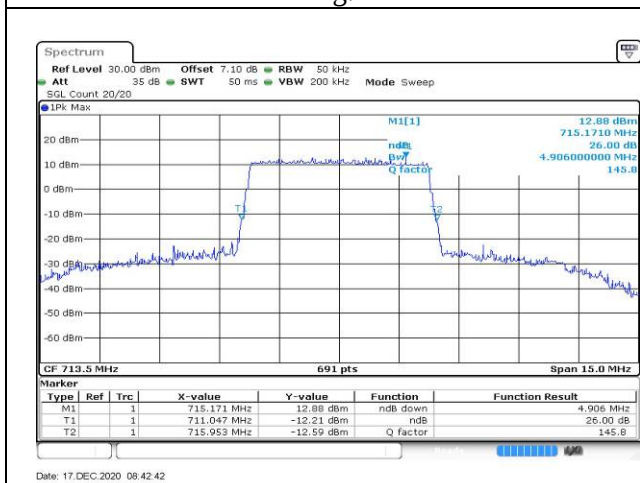


Fig.9

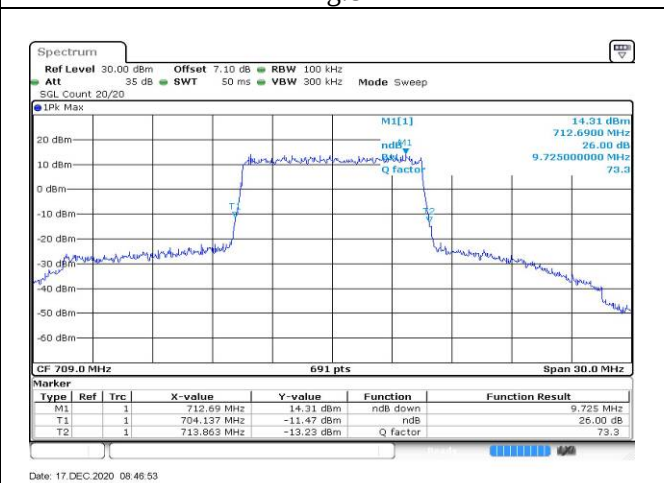


Fig.10

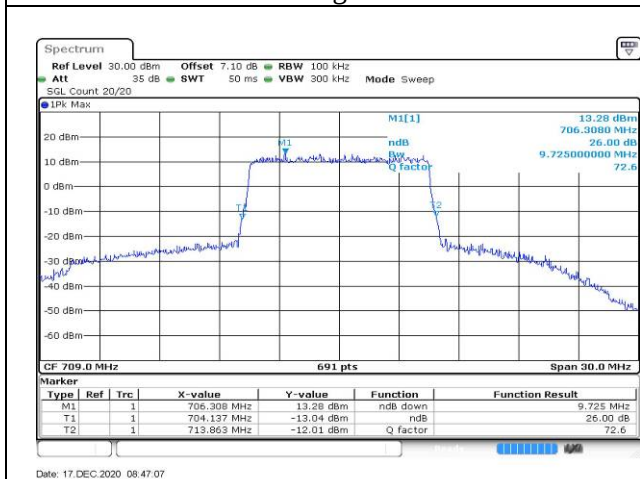


Fig.11

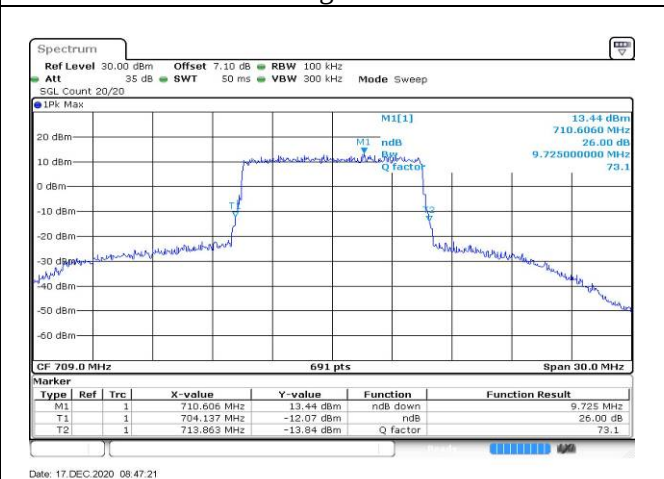


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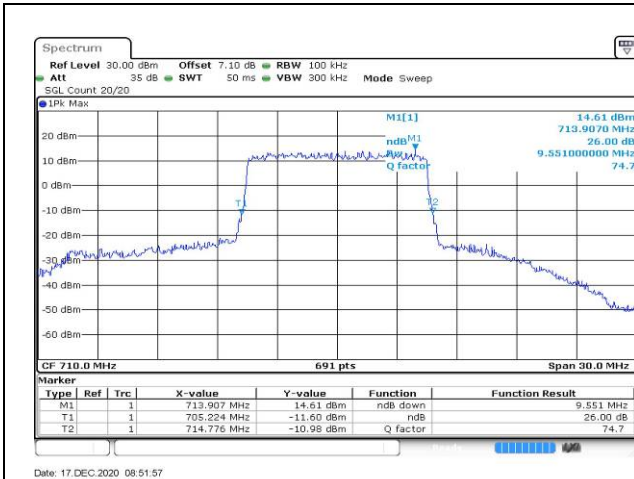


Fig.13

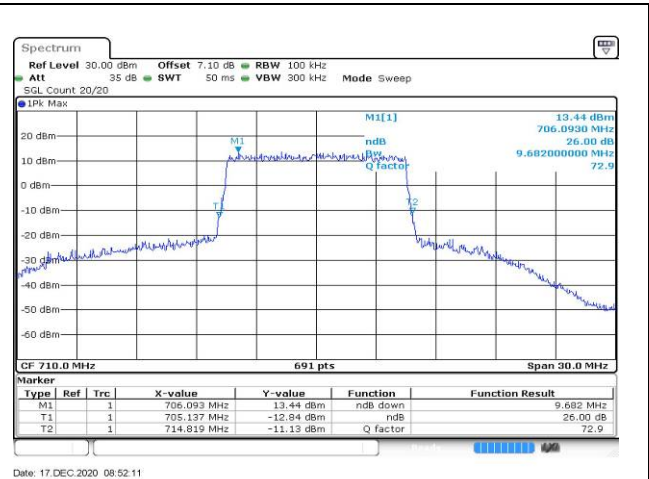


Fig.14

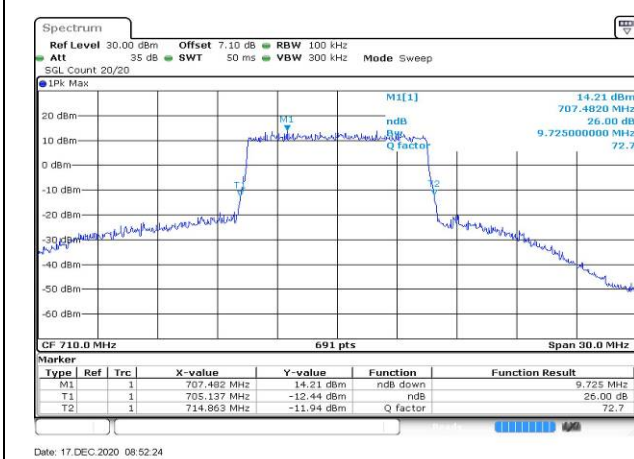


Fig.15

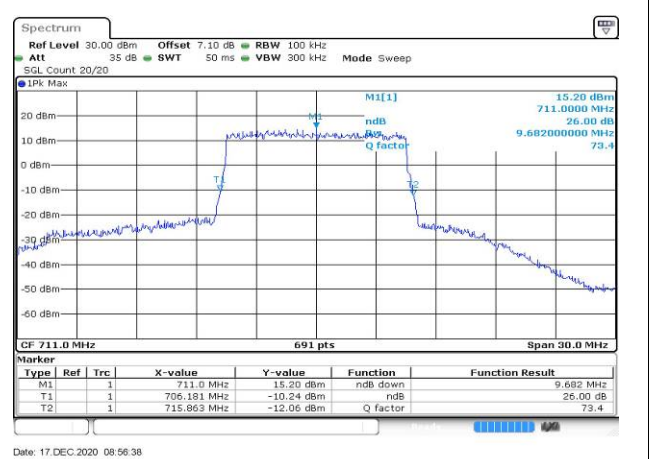


Fig.16

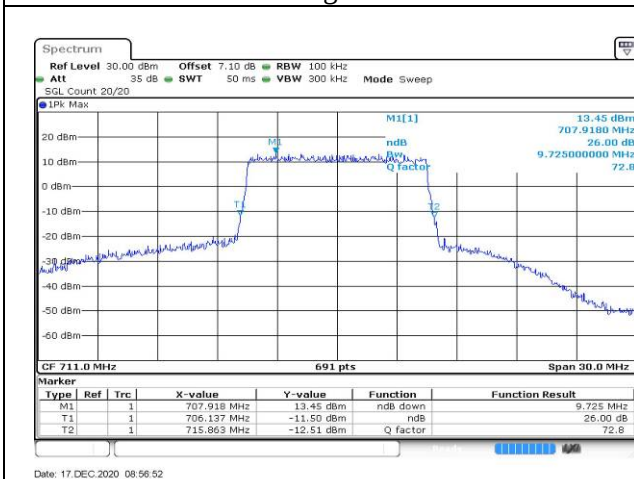


Fig.17

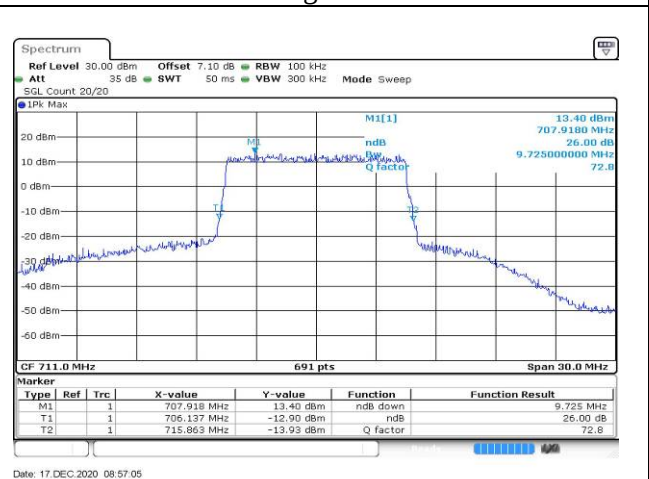
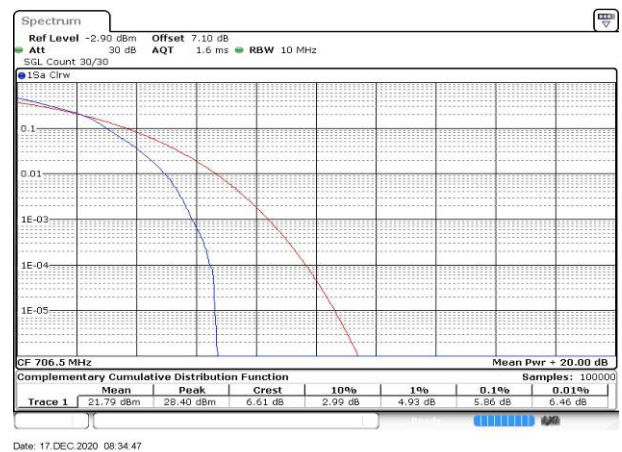
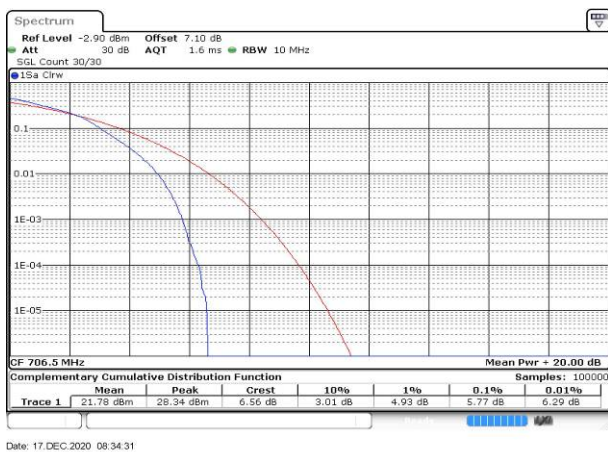
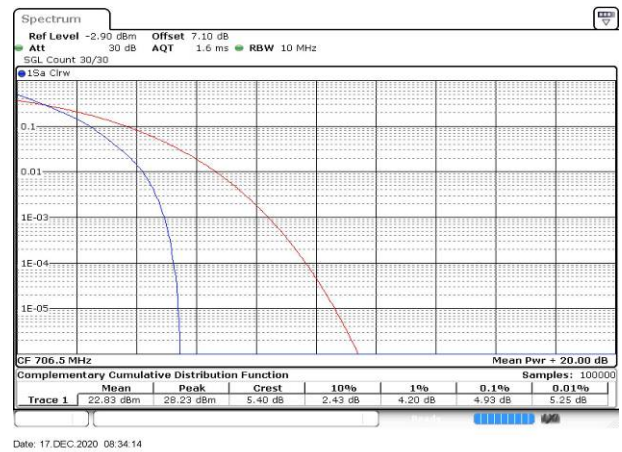
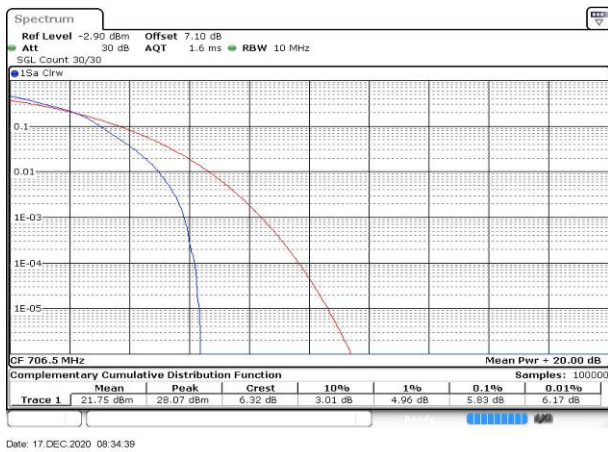
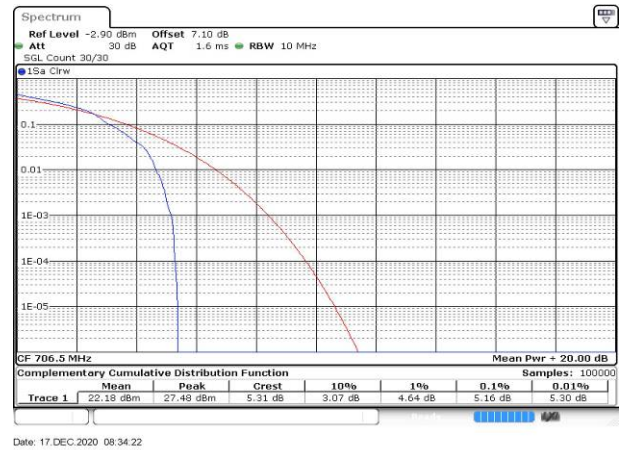
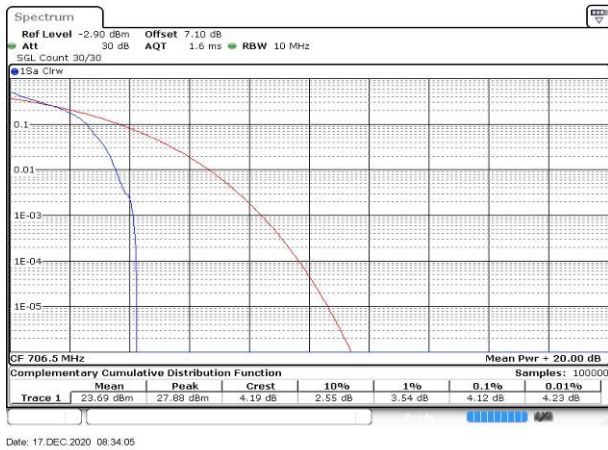


Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	706.5	23755	5	1	24	Fig.1	Fig.2	Fig.3
	706.5	23755		25	0	Fig.4	Fig.5	Fig.6
	710	23790		1	24	Fig.7	Fig.8	Fig.9
	710	23790		25	0	Fig.10	Fig.11	Fig.12
	713.5	23825		1	24	Fig.13	Fig.14	Fig.15
	713.5	23825		25	0	Fig.16	Fig.17	Fig.18
	709	23780	10	1	49	Fig.19	Fig.20	Fig.21
	709	23780		50	0	Fig.22	Fig.23	Fig.24
	710	23790		1	49	Fig.25	Fig.26	Fig.27
	710	23790		50	0	Fig.28	Fig.29	Fig.30
	711	23800		1	49	Fig.31	Fig.32	Fig.33
	711	23800		50	0	Fig.34	Fig.35	Fig.36



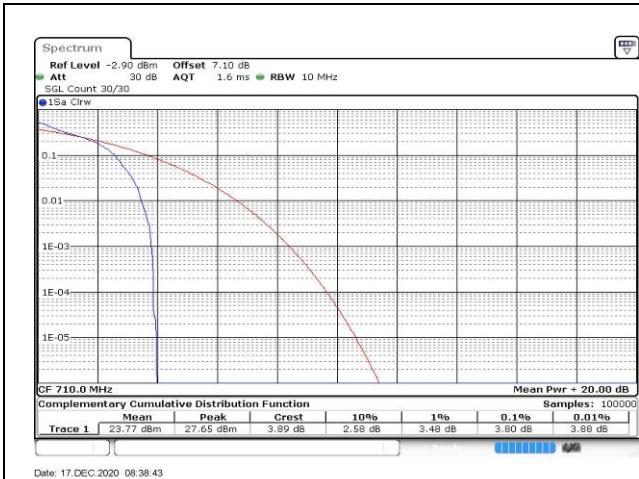


Fig.7

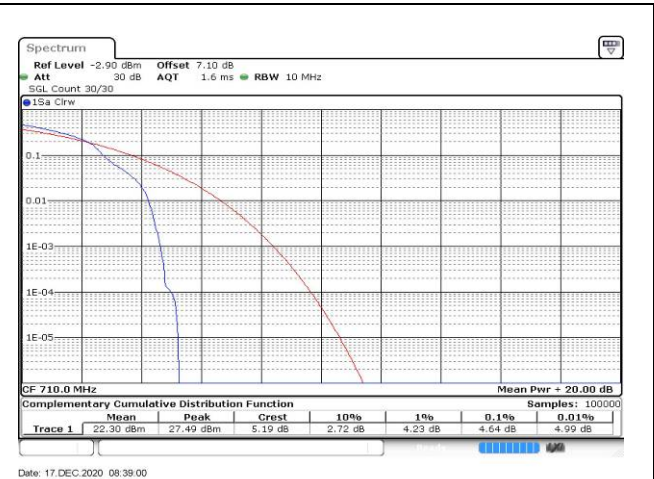


Fig.8



Fig.9

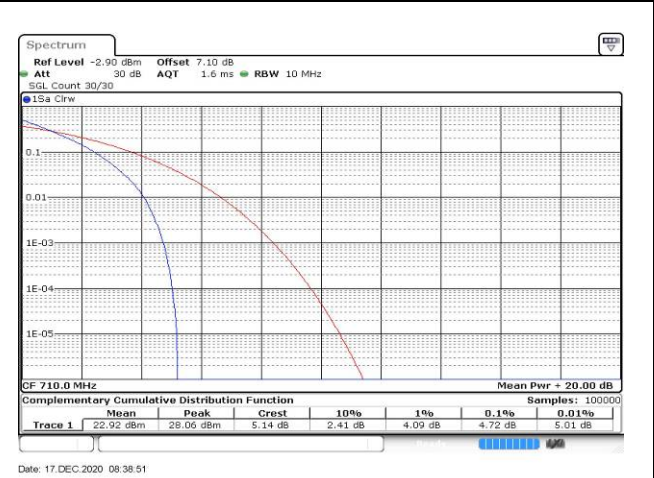


Fig.10

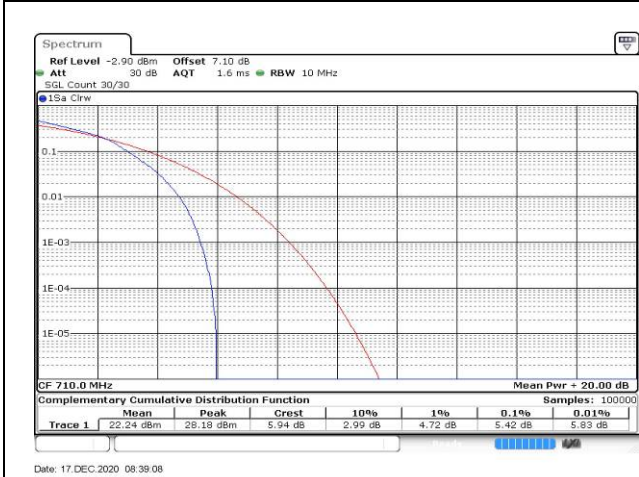


Fig.11

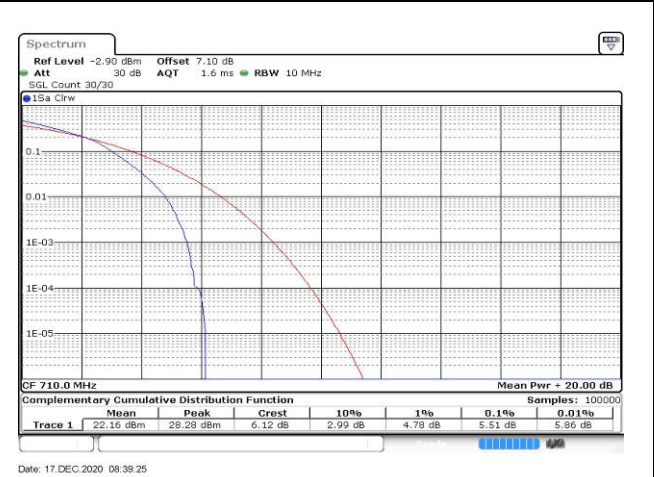


Fig.12

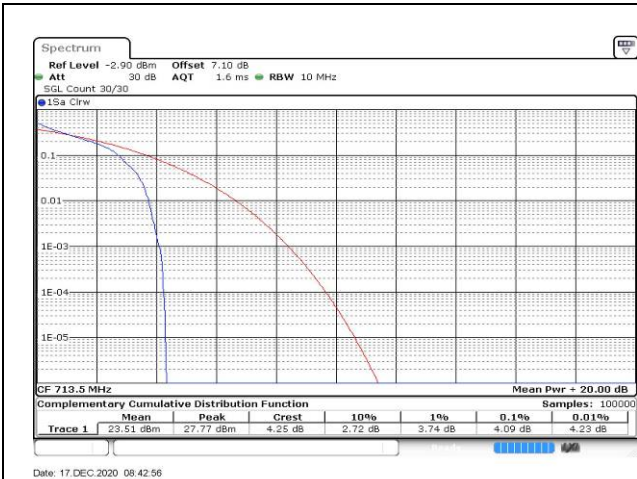


Fig.13

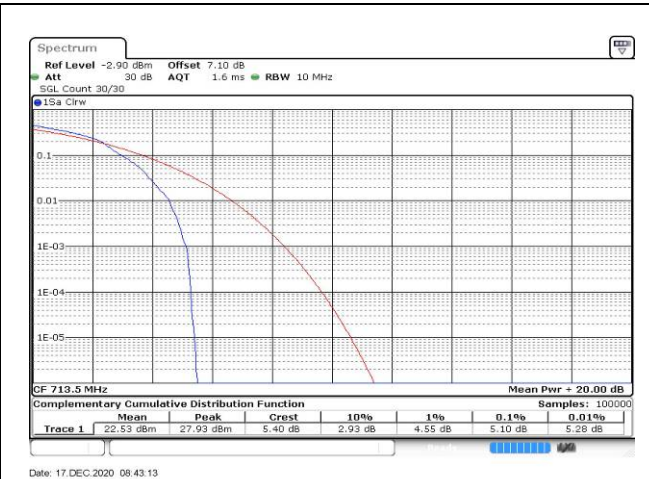


Fig.14



Fig.15



Fig.16



Fig.17

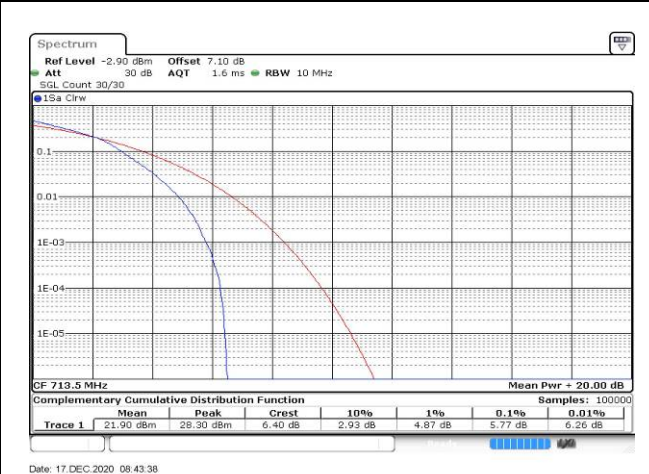


Fig.18

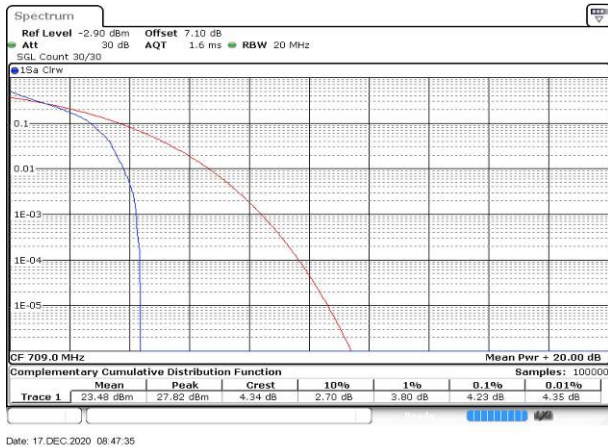


Fig.19

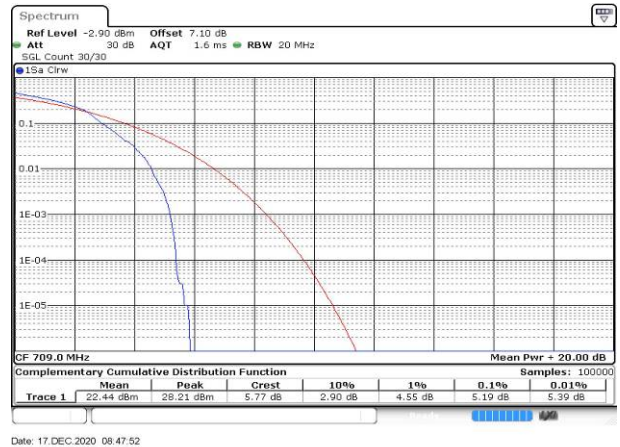


Fig.20

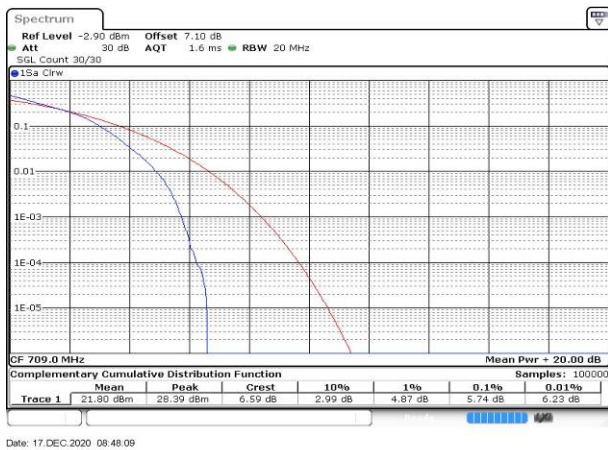


Fig.21

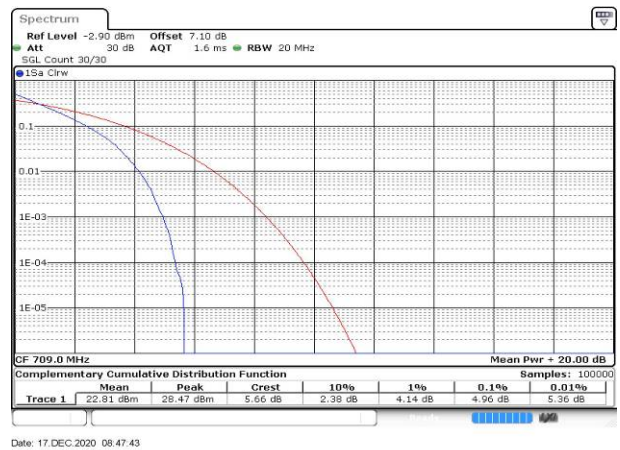


Fig.22

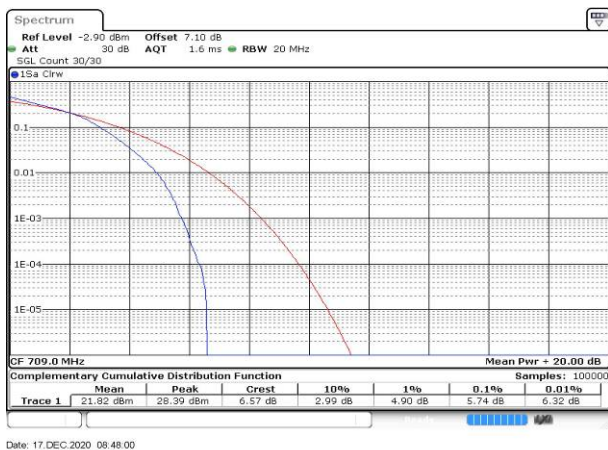


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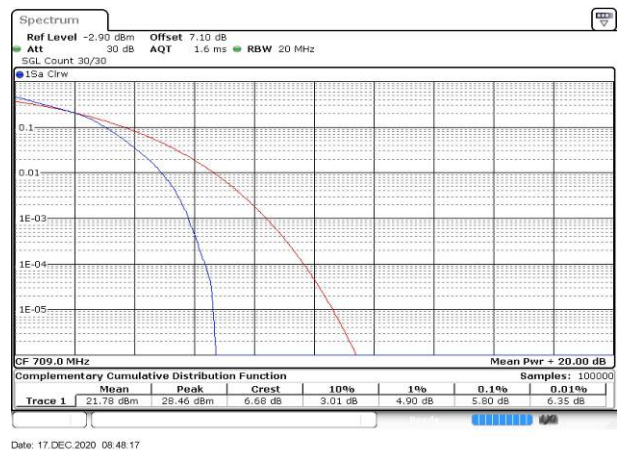


Fig.24

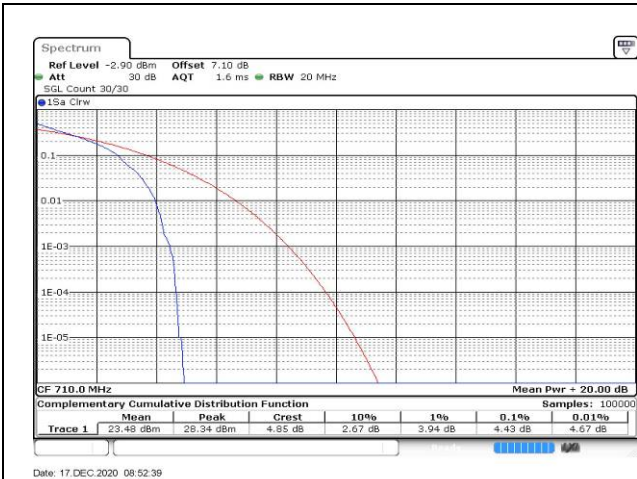


Fig.25

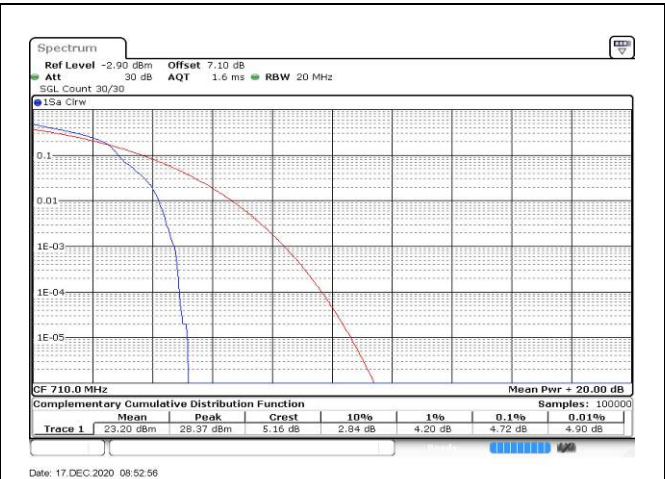


Fig.26

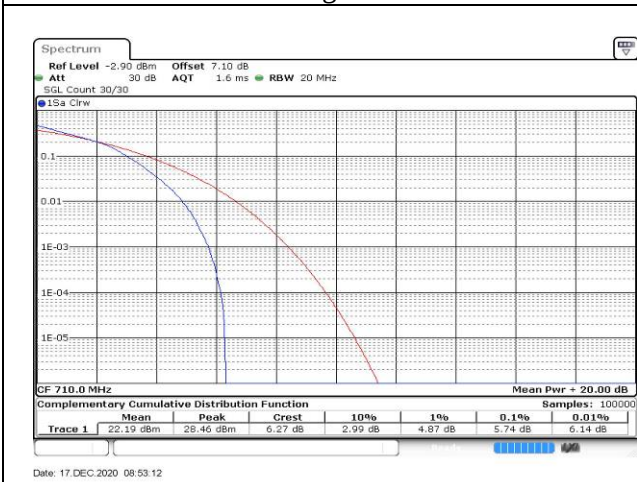


Fig.27

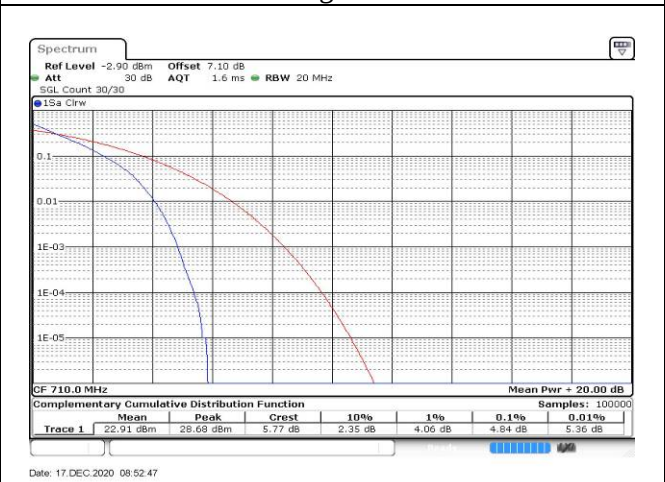


Fig.28

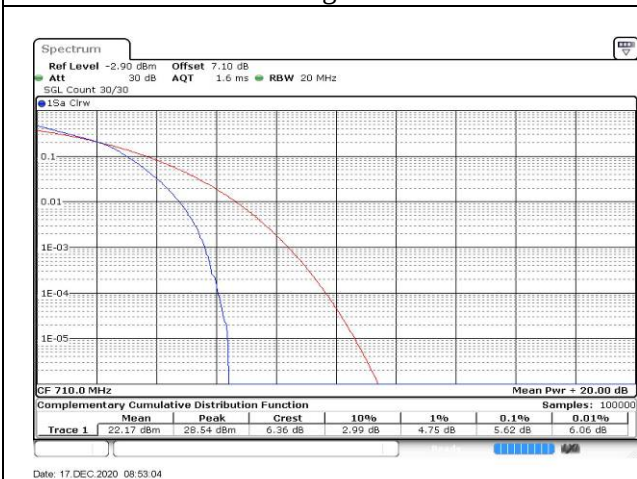


Fig.29

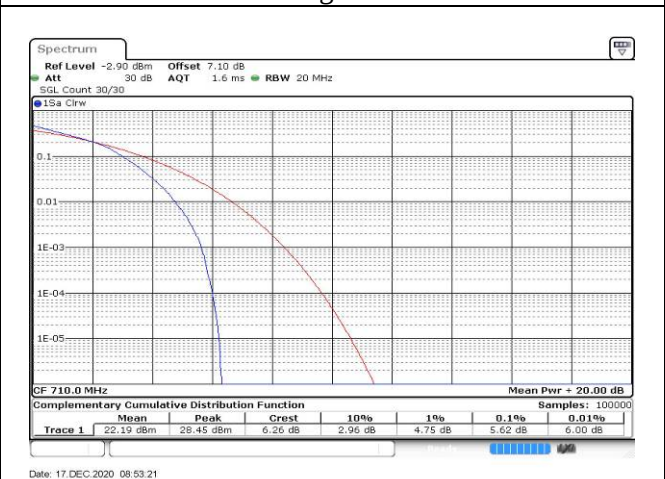


Fig.30

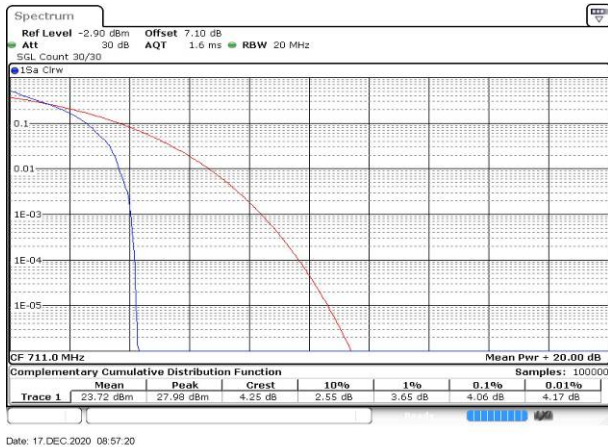


Fig.31

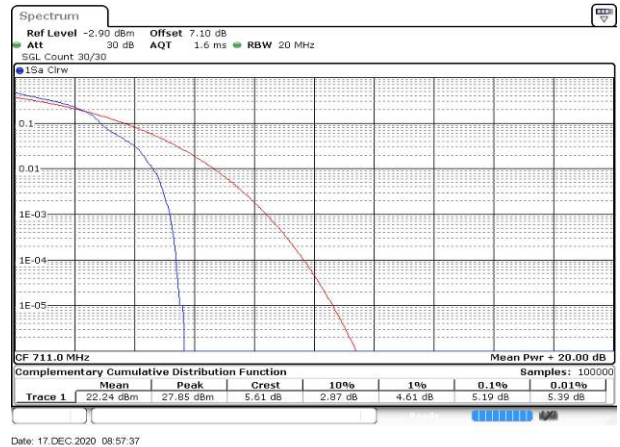


Fig.32

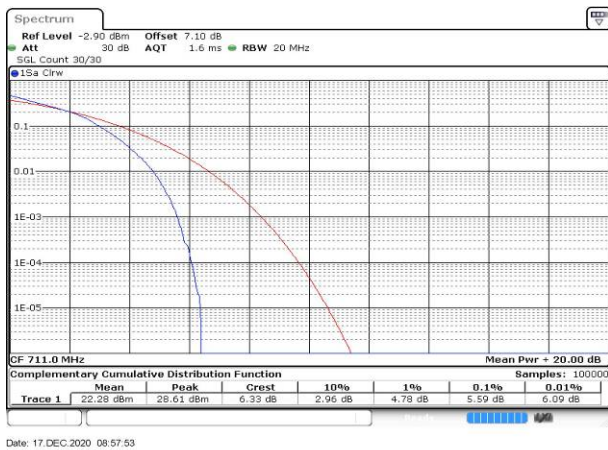


Fig.33

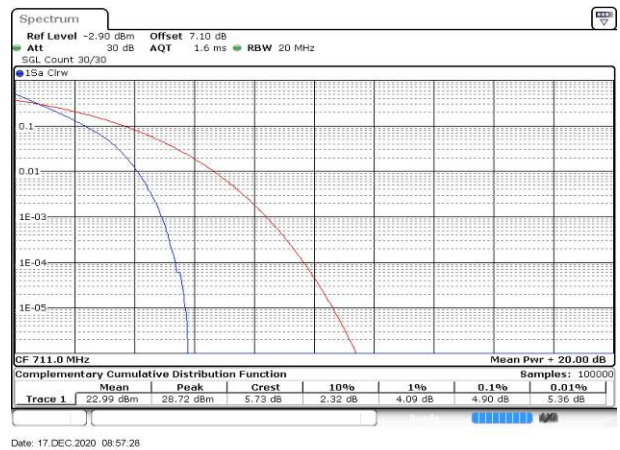


Fig.34

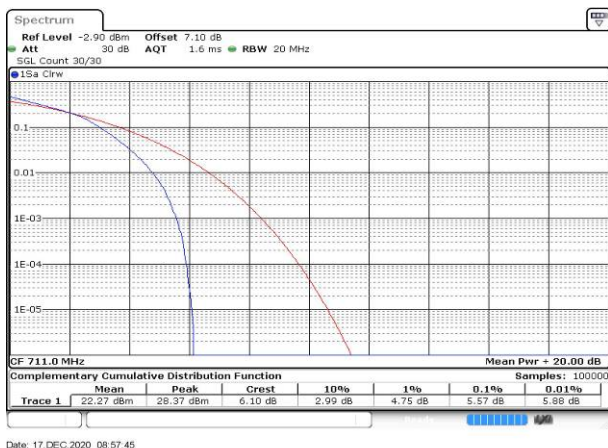


Fig.35

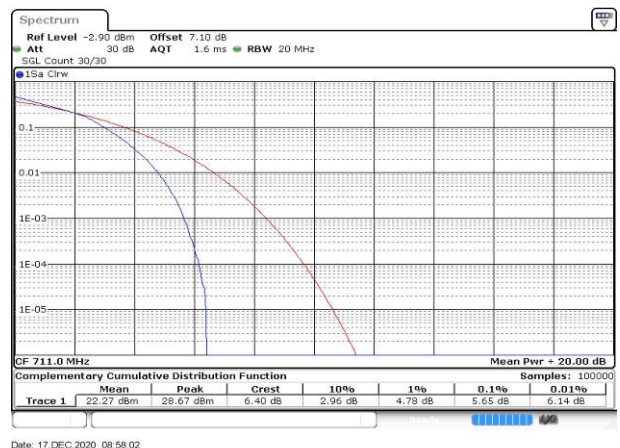


Fig.36

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
17	709	23780	10	1	0	Fig.1
	710	23790		1	0	Fig.2
	711	23800		1	0	Fig.3

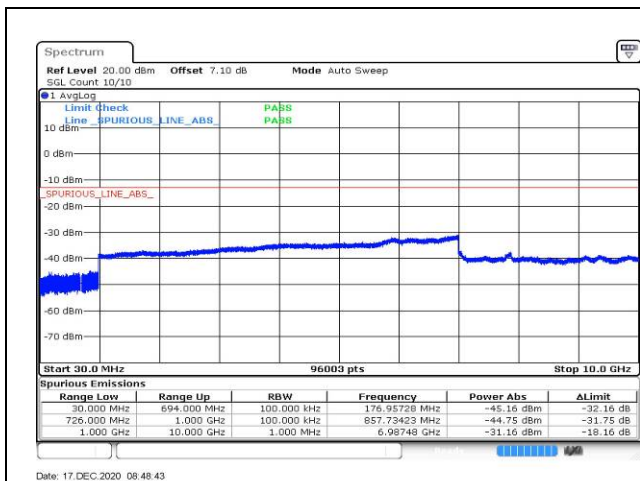


Fig.1

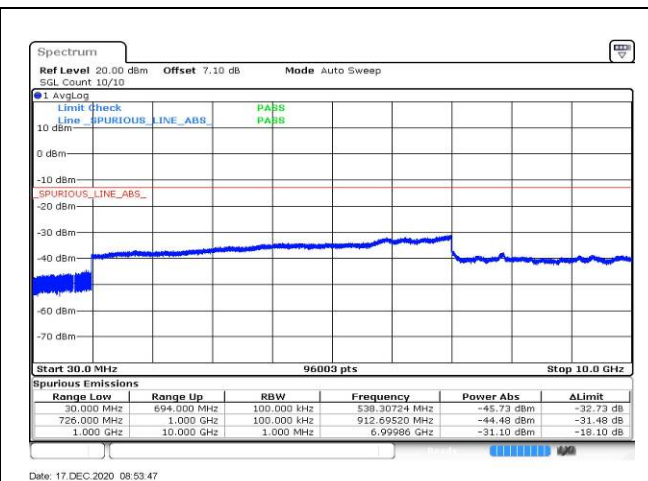


Fig.2

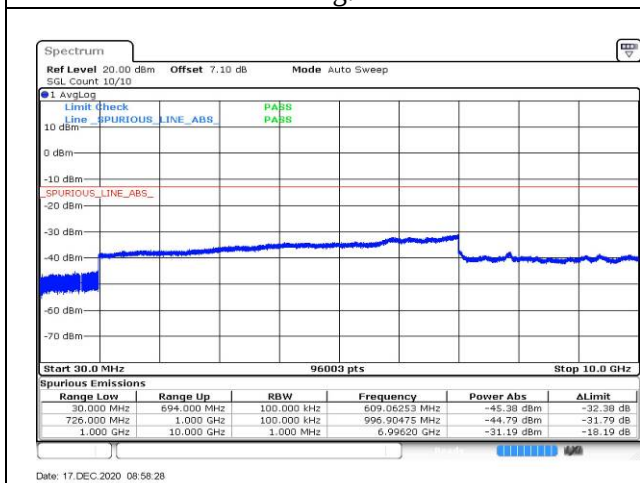


Fig.3

6 Band Edges Compliance

Band Edges Compliance						
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
17	706.5	23755	5	1	0	Fig.1
				25	0	Fig.2
	713.5	23825		1	24	Fig.3
				25	0	Fig.4
	709	23780	10	1	0	Fig.5
				50	0	Fig.6
	711	23800		1	49	Fig.7
				50	0	Fig.8

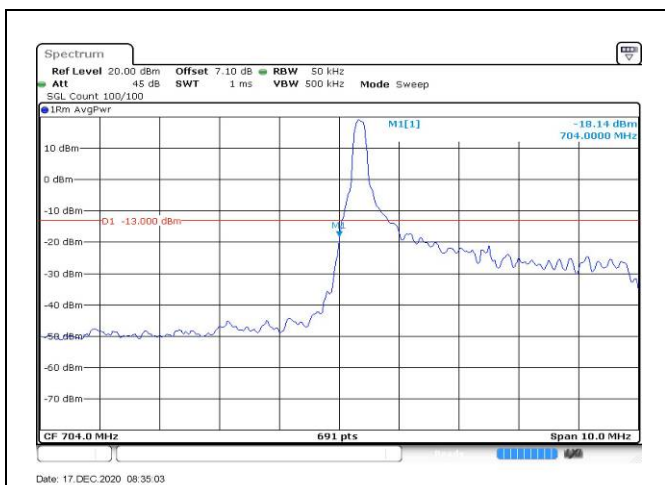


Fig.1

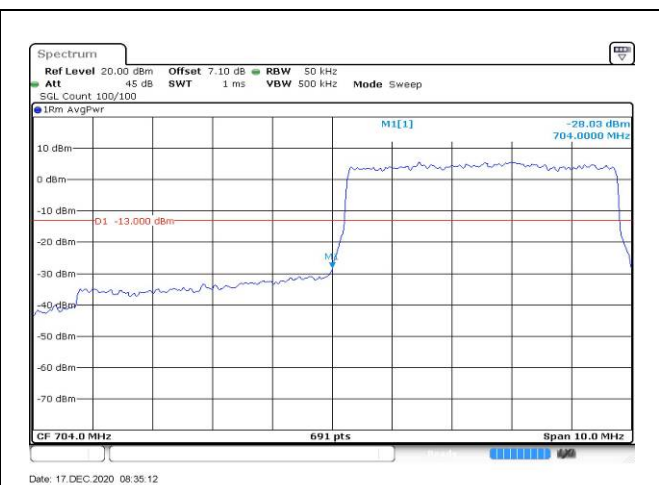


Fig.2

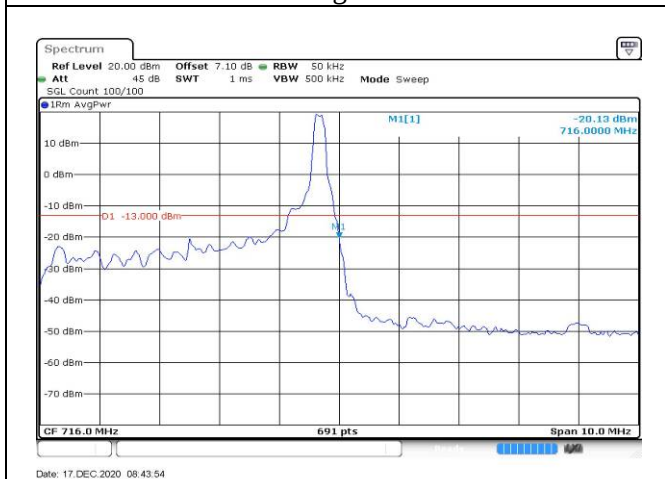


Fig.3

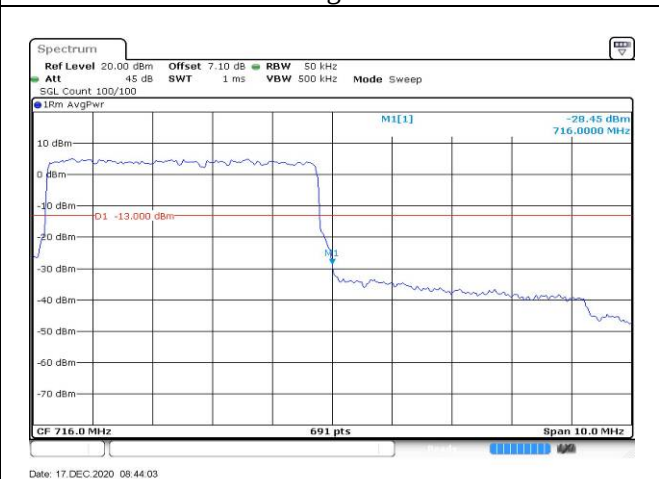


Fig.4

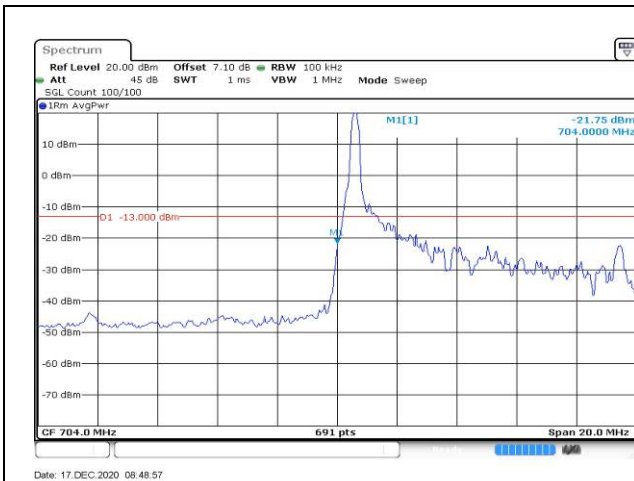


Fig.5

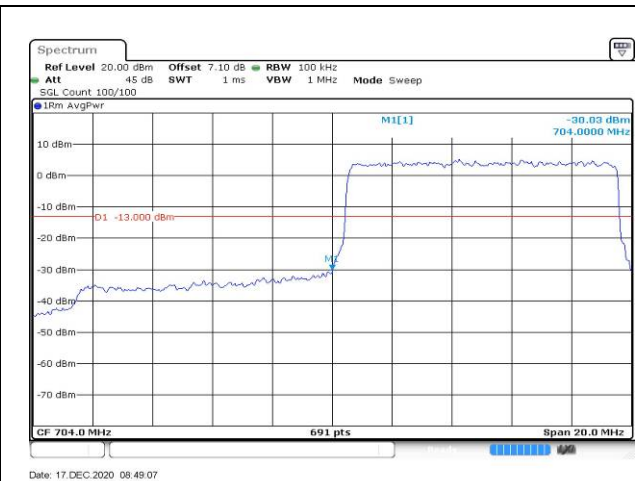


Fig.6

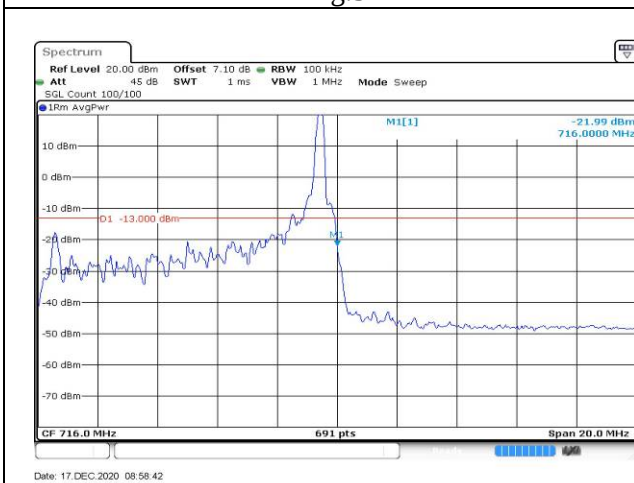


Fig.7

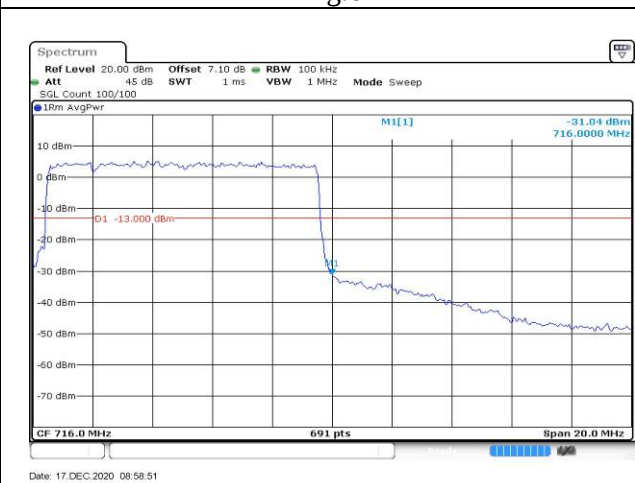


Fig.8

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band17 Low Channel QPSK	
		5M	10M
-10	NV	-0.043	-0.012
0	NV	-0.022	-0.028
+10	NV	-0.033	-0.007
+20	NV	0.000	0.000
+30	NV	-0.005	0.003
+40	NV	-0.012	0.005
+50	NV	-0.037	0.000
+55	NV	-0.014	0.005
+20	LV	0.007	0.011
+20	HV	-0.025	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band17 High Channel QPSK	
		5M	10M
-10	NV	-0.048	-0.019
0	NV	-0.029	-0.008
+10	NV	-0.019	-0.014
+20	NV	0.000	0.000
+30	NV	-0.017	-0.012
+40	NV	-0.018	-0.019
+50	NV	-0.016	-0.015
+55	NV	-0.009	-0.011
+20	LV	-0.019	-0.017
+20	HV	-0.021	-0.019

8 .Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	706.5	23755	5	1	0	24.37	19.82	0.096
				1	12	24.42	19.87	0.097
				1	24	24.35	19.80	0.095
				12	0	23.48	18.93	0.078
				12	7	23.36	18.81	0.076
				12	13	23.36	18.81	0.076
				25	0	23.24	18.69	0.074
	710	23790		1	0	24.41	19.86	0.097
				1	12	24.39	19.84	0.096
				1	24	24.38	19.83	0.096
				12	0	23.37	18.82	0.076
				12	7	23.42	18.87	0.077
				12	13	23.42	18.87	0.077
				25	0	23.42	18.87	0.077
	713.5	23825		1	0	24.35	19.80	0.095
				1	12	24.36	19.81	0.096
				1	24	24.33	19.78	0.095
				12	0	23.45	18.90	0.078
				12	7	23.38	18.83	0.076
				12	13	23.30	18.75	0.075
				25	0	23.37	18.82	0.076
16QAM	706.5	23755	1	0	22.58	18.03	0.064	
			1	12	22.68	18.13	0.065	
			1	24	22.53	17.98	0.063	
			12	0	22.19	17.64	0.058	
			12	7	22.33	17.78	0.060	
			12	13	22.33	17.78	0.060	
			25	0	22.27	17.72	0.059	
	710	23790	1	0	23.31	18.76	0.075	
			1	12	23.41	18.86	0.077	
			1	24	23.41	18.86	0.077	
			12	0	22.40	17.85	0.061	
			12	7	22.40	17.85	0.061	
			12	13	22.40	17.85	0.061	
			25	0	22.64	18.09	0.064	
	713.5	23825	1	0	23.29	18.74	0.075	
			1	12	23.32	18.77	0.075	
			1	24	23.46	18.91	0.078	
			12	0	22.23	17.68	0.059	
			12	7	22.18	17.63	0.058	
			12	13	22.18	17.63	0.058	
			25	0	22.33	17.78	0.060	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	706.5	23755	5	1	0	22.27	17.72	0.059
				1	12	22.27	17.72	0.059
				1	24	22.27	17.72	0.059
				12	0	22.27	17.72	0.059
				12	7	22.26	17.71	0.059
				12	13	22.27	17.72	0.059
				25	0	22.32	17.77	0.060
	710	23790		1	0	22.64	18.09	0.064
				1	12	22.64	18.09	0.064
				1	24	22.63	18.08	0.064
				12	0	22.68	18.13	0.065
				12	7	22.72	18.17	0.066
				12	13	22.63	18.08	0.064
				25	0	22.63	18.08	0.064
	713.5	23825		1	0	22.34	17.79	0.060
				1	12	22.34	17.79	0.060
				1	24	22.08	17.53	0.057
				12	0	22.21	17.66	0.058
				12	7	22.09	17.54	0.057
				12	13	22.35	17.80	0.060
				25	0	22.34	17.79	0.060

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	709	23780	10	1	0	24.22	19.67	0.093	
				1	25	24.15	19.60	0.091	
				1	49	24.24	19.69	0.093	
				25	0	23.33	18.78	0.076	
				25	12	23.44	18.89	0.077	
				25	25	23.44	18.89	0.077	
				50	0	23.40	18.85	0.077	
	710	23790		1	0	24.41	19.86	0.097	
				1	25	24.30	19.75	0.094	
				1	49	24.30	19.75	0.094	
				25	0	23.39	18.84	0.077	
				25	12	23.42	18.87	0.077	
				25	25	23.42	18.87	0.077	
				50	0	23.48	18.93	0.078	
	711	23800		1	0	24.57	20.02	0.100	
				1	25	24.61	20.06	0.101	
				1	49	24.64	20.09	0.102	
				25	0	23.39	18.84	0.077	
				25	12	23.43	18.88	0.077	
				25	25	23.44	18.89	0.077	
				50	0	23.37	18.82	0.076	
	16QAM	709		23780	1	0	23.39	18.84	0.077
					1	25	23.41	18.86	0.077
					1	49	23.36	18.81	0.076
					25	0	22.21	17.66	0.058
					25	12	22.35	17.80	0.060
					25	25	22.35	17.80	0.060
50					0	22.28	17.73	0.059	
710		23790		1	0	24.06	19.51	0.089	
				1	25	24.05	19.50	0.089	
				1	49	24.04	19.49	0.089	
				25	0	22.36	17.81	0.060	
				25	12	22.28	17.73	0.059	
				25	25	22.29	17.74	0.059	
				50	0	22.69	18.14	0.065	
711		23800		1	0	23.17	18.62	0.073	
				1	25	23.08	18.53	0.071	
				1	49	23.08	18.53	0.071	
				25	0	22.46	17.91	0.062	
				25	12	22.37	17.82	0.061	
				25	25	22.48	17.93	0.062	
				50	0	22.72	18.17	0.066	

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	709	23780	10	1	0	22.28	17.73	0.059
				1	25	22.28	17.73	0.059
				1	49	22.28	17.73	0.059
				25	0	22.28	17.73	0.059
				25	12	22.28	17.73	0.059
				25	25	22.28	17.73	0.059
				50	0	22.28	17.73	0.059
	710	23790		1	0	22.69	18.14	0.065
				1	25	22.73	18.18	0.066
				1	49	22.72	18.17	0.066
				25	0	22.76	18.21	0.066
				25	12	22.72	18.17	0.066
				25	25	22.68	18.13	0.065
				50	0	22.68	18.13	0.065
	711	23800		1	0	22.72	18.17	0.066
				1	25	22.72	18.17	0.066
				1	49	22.73	18.18	0.066
				25	0	22.73	18.18	0.066
				25	12	22.73	18.18	0.066
				25	25	22.73	18.18	0.066
				50	0	22.73	18.18	0.066