

Fig.79

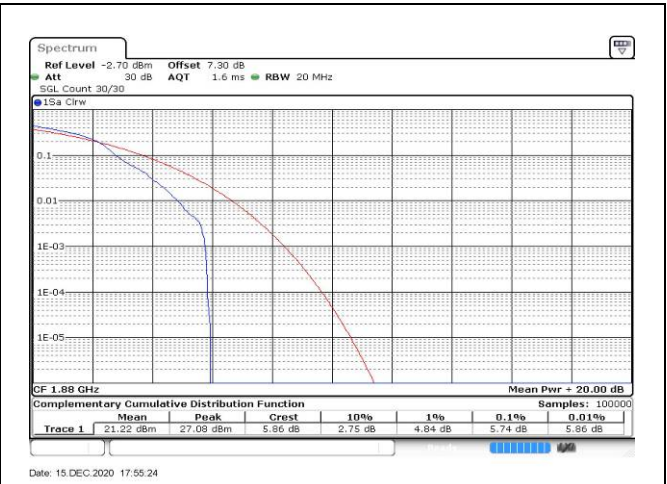


Fig.80

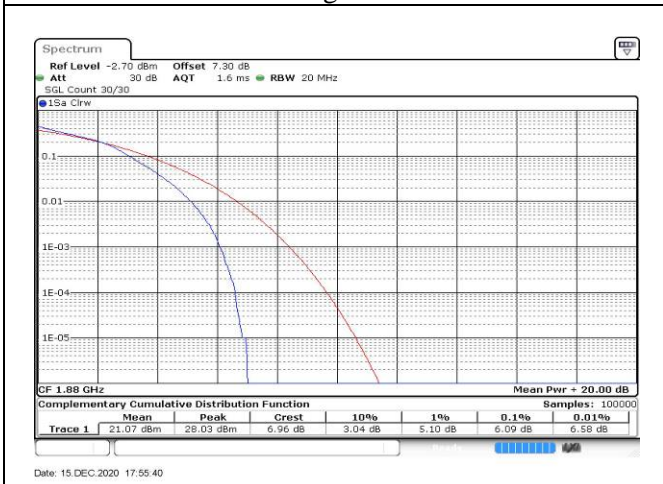


Fig.81

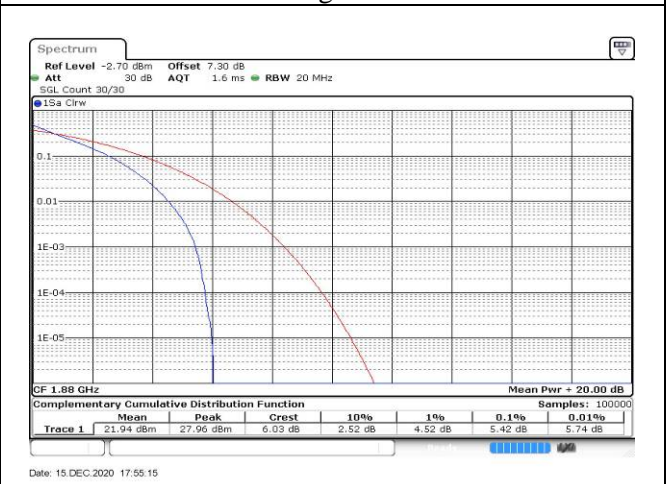


Fig.82

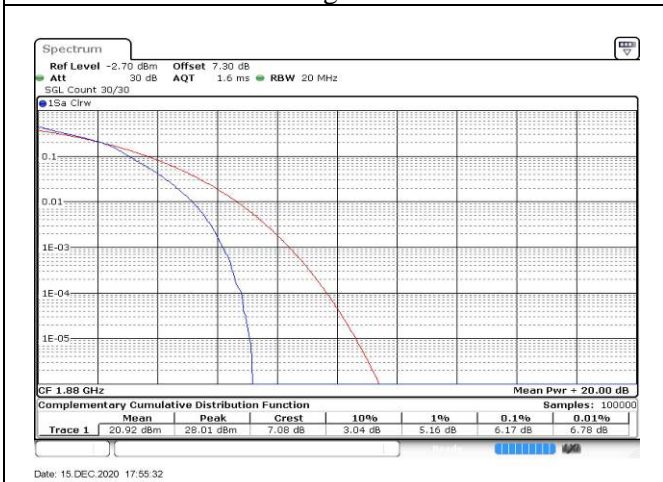


Fig.83

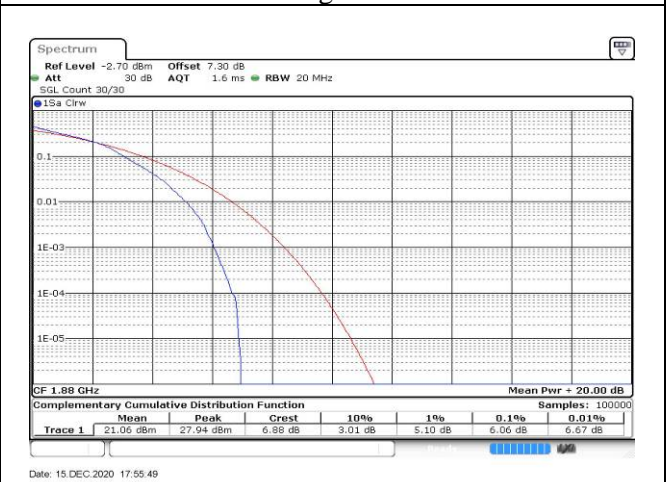


Fig.84

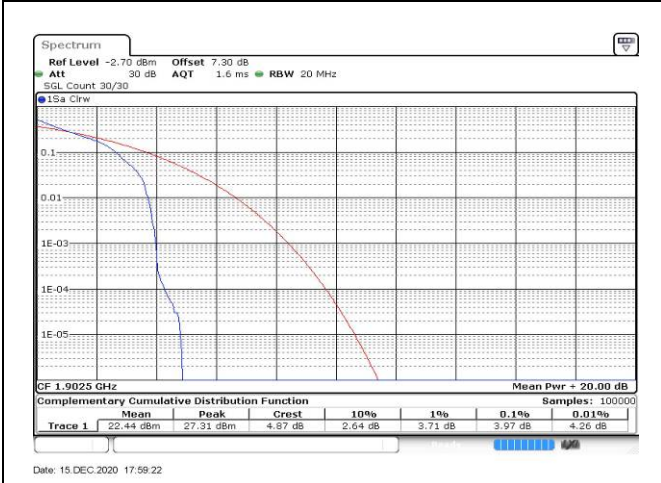


Fig.85

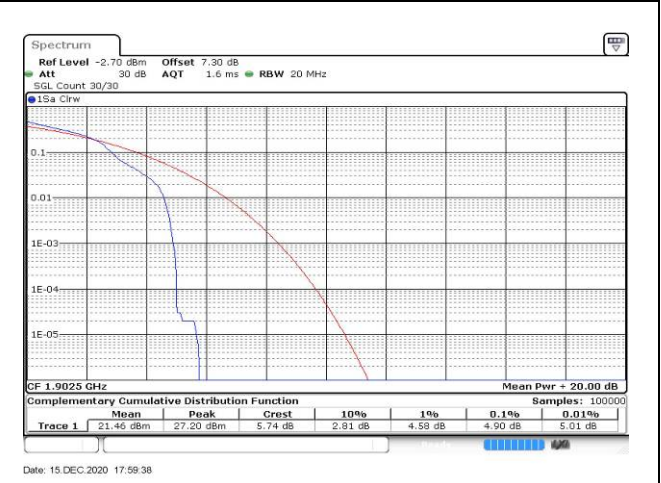


Fig.86

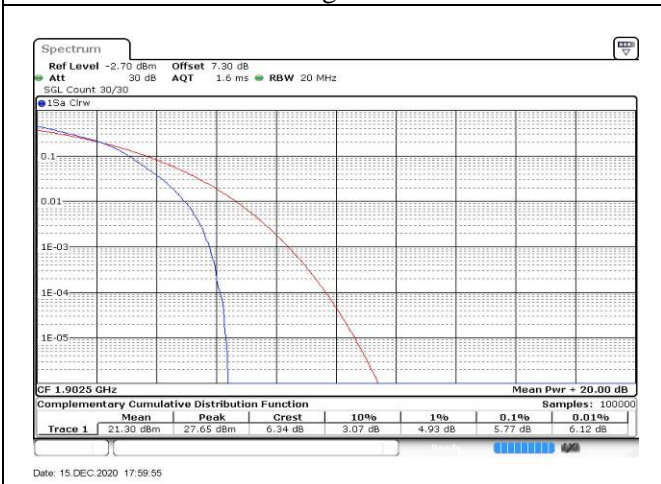


Fig.87

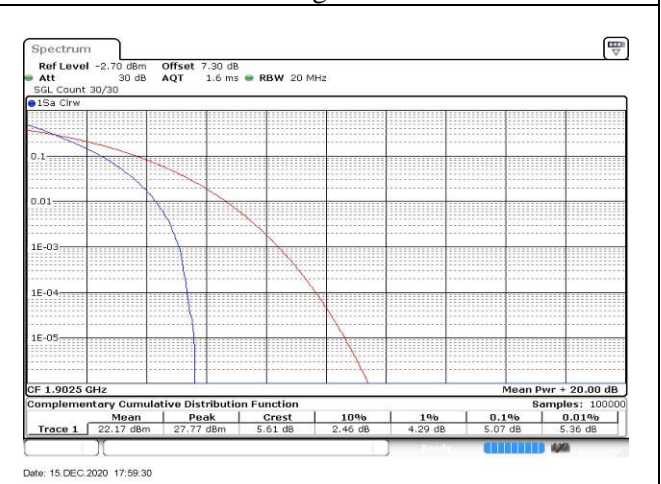


Fig.88

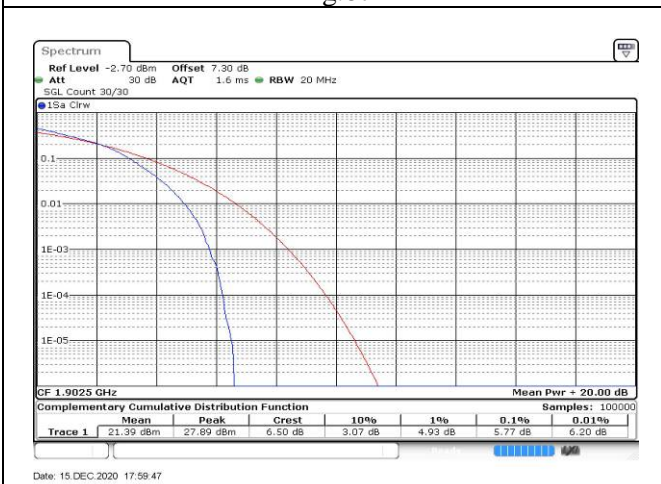


Fig.89

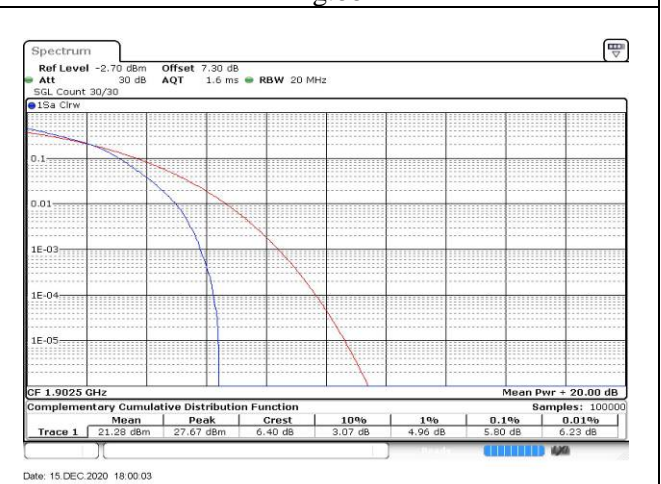


Fig.90

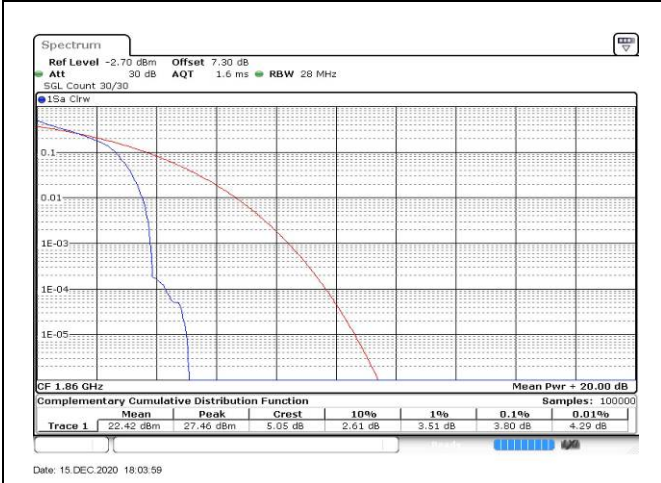


Fig.91

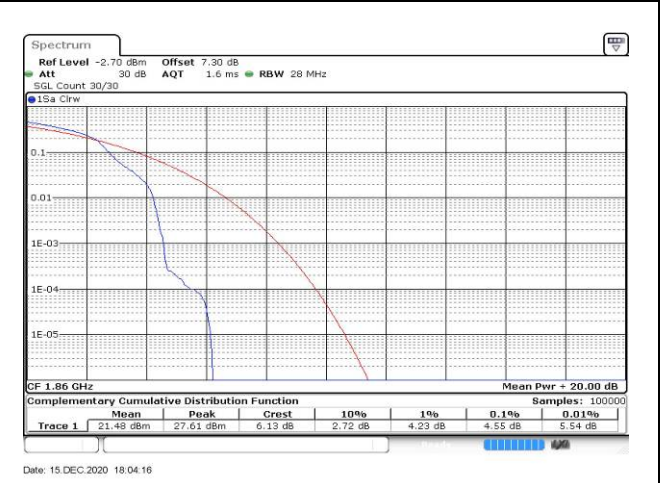


Fig.92

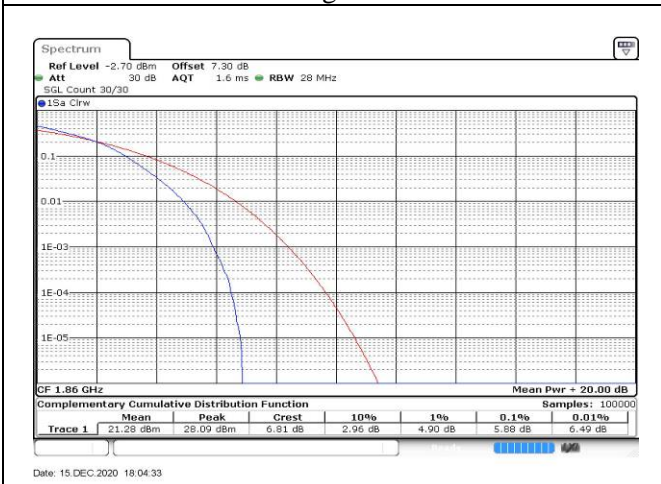


Fig.93

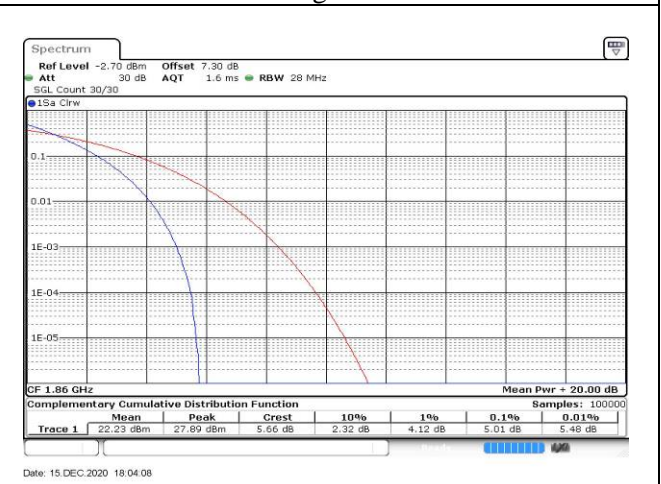


Fig.94

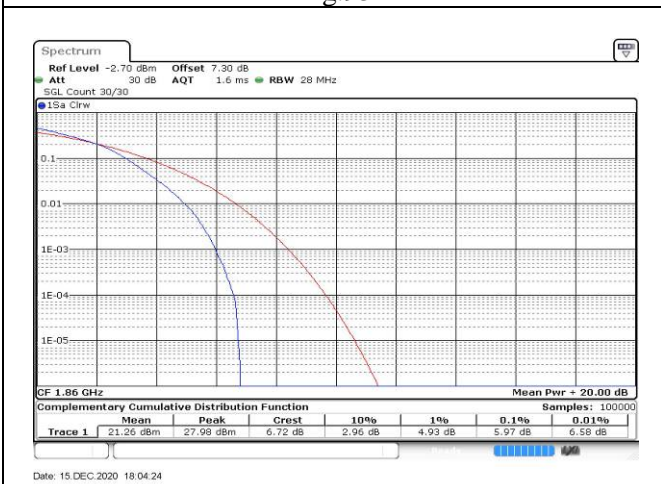


Fig.95

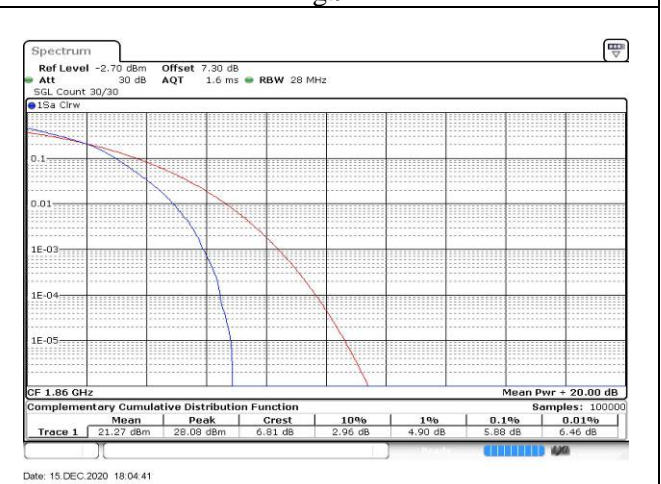


Fig.96

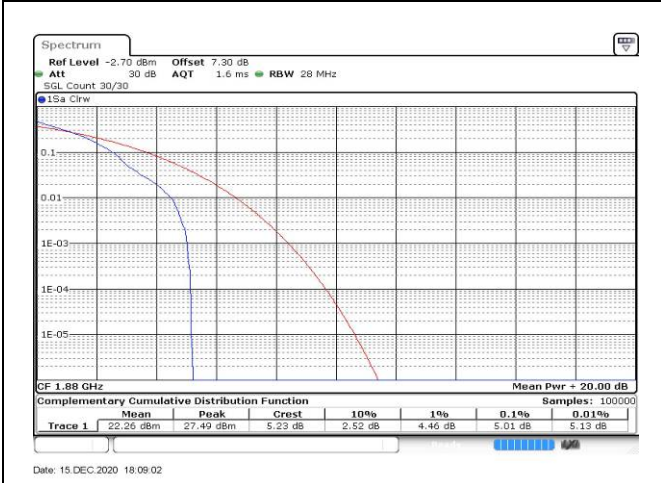


Fig.97

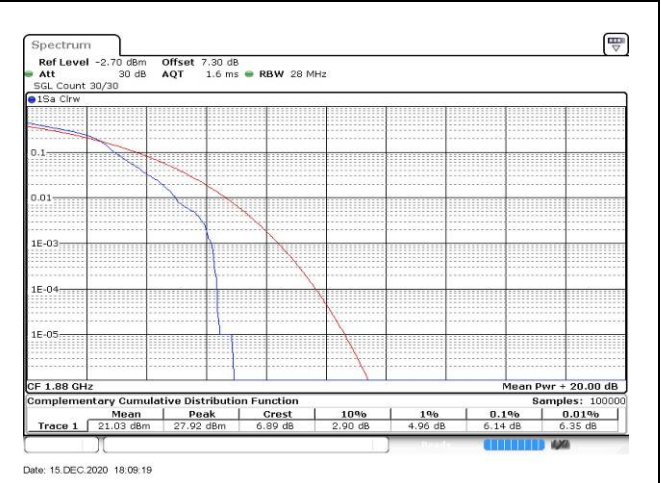


Fig.98

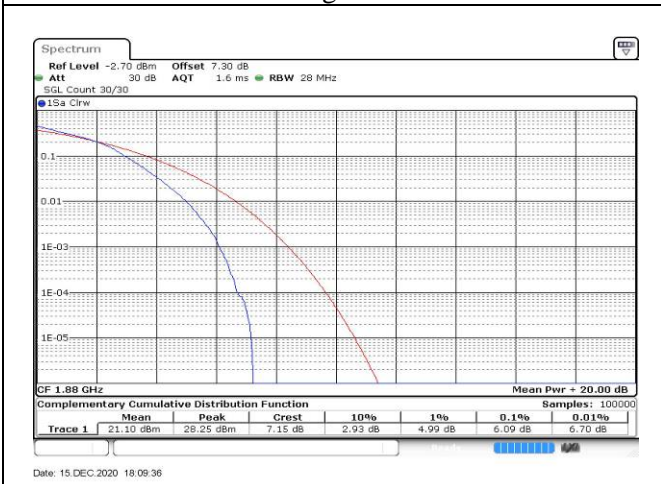


Fig.99

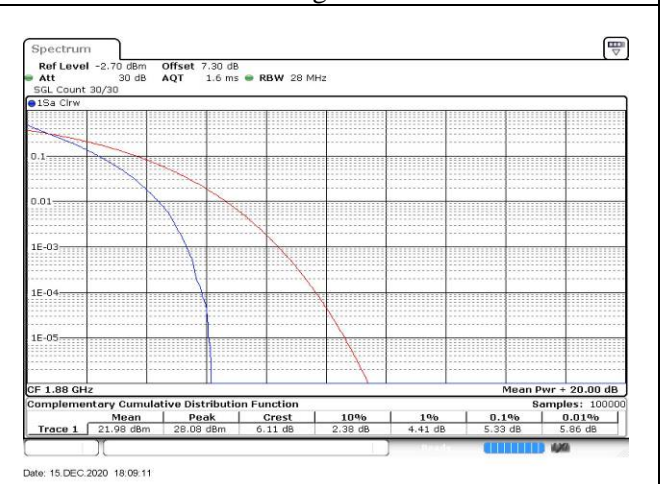


Fig.100

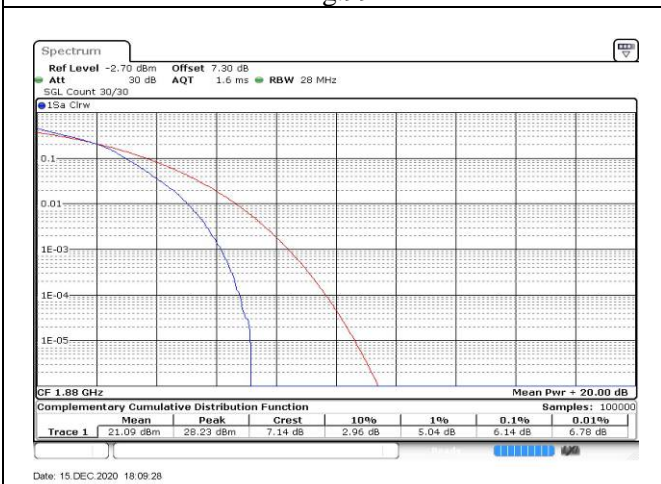


Fig.101

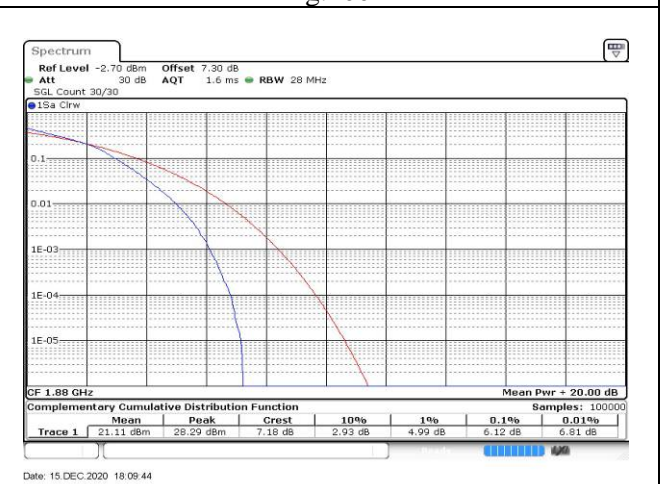


Fig.102

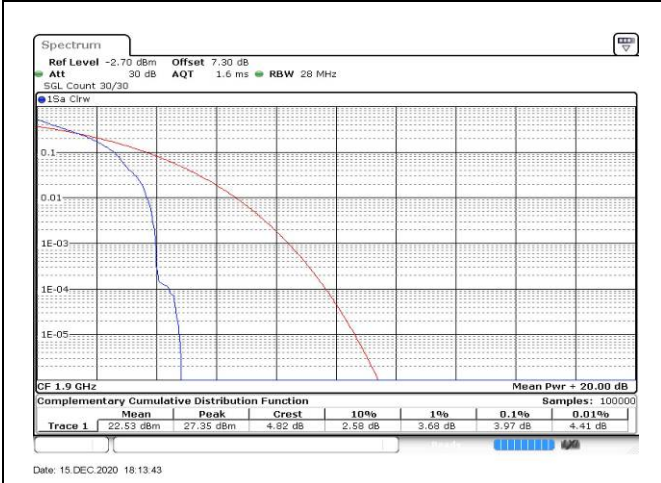


Fig.103

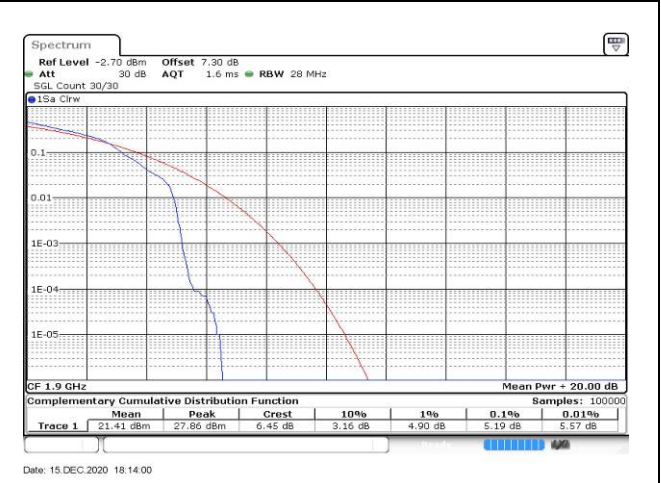


Fig.104

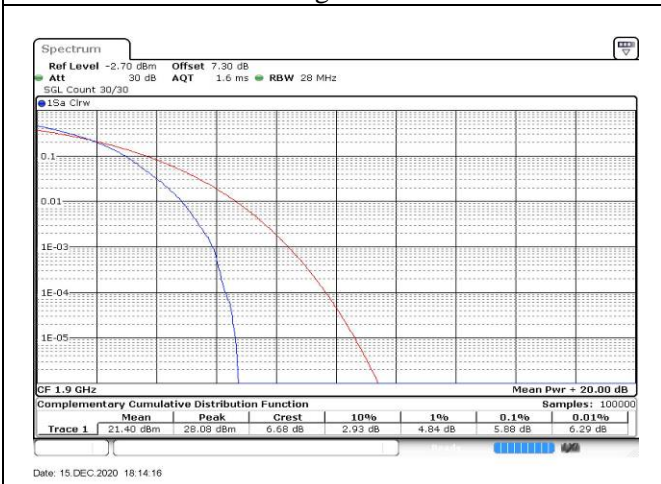


Fig.105

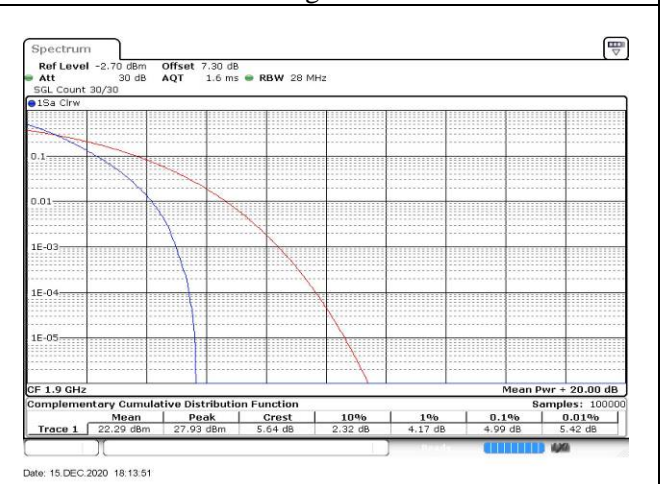


Fig.106

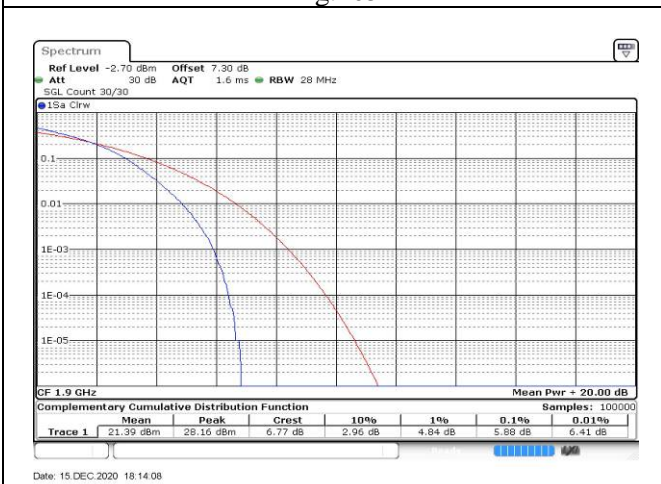


Fig.107

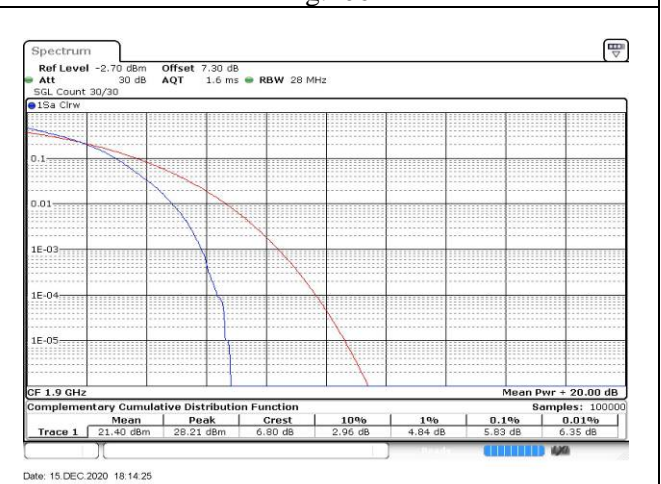


Fig.108

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1860	18700	20	1	0	Fig.1
	1880	18900		1	0	Fig.2
	1900	19100		1	0	Fig.3

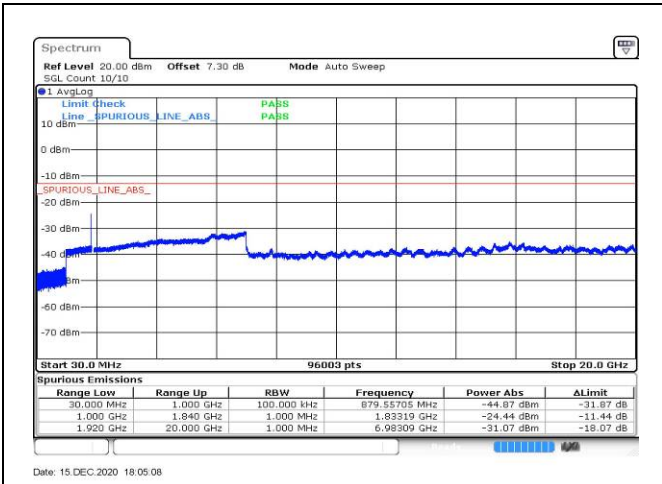


Fig.1

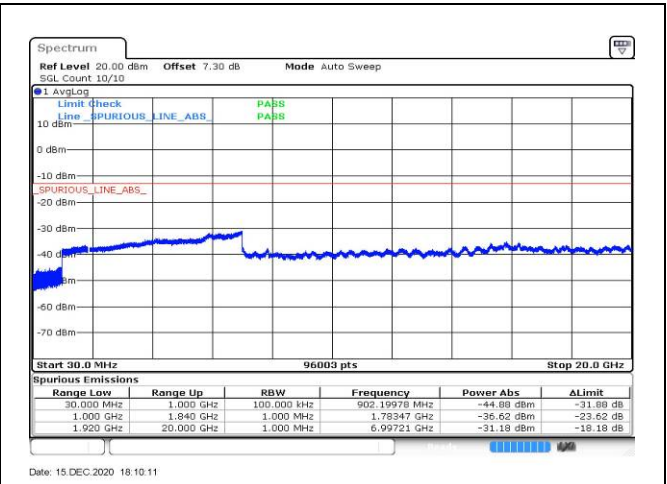


Fig.2

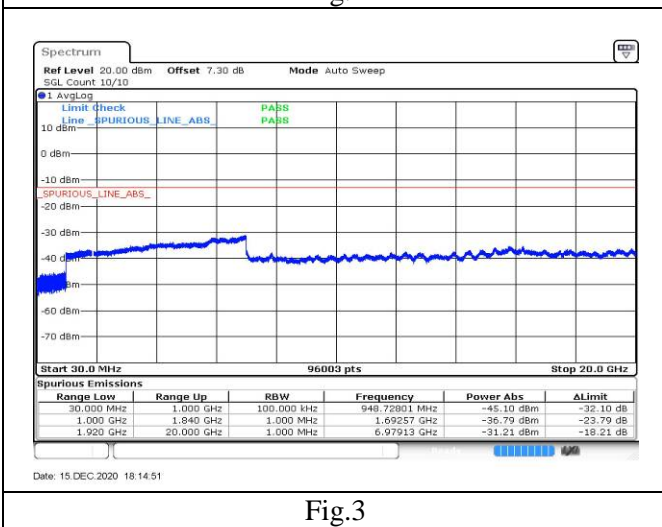


Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1850.7	18607	1.4	1	0	Fig.1
				6	0	Fig.2
	1	5		Fig.3		
	6	0		Fig.4		
	1909.3	19193	3	1	0	Fig.5
				15	0	Fig.6
	1	14		Fig.7		
	15	0		Fig.8		
	1851.5	18615	5	1	0	Fig.9
				25	0	Fig.10
	1	24		Fig.11		
	25	0		Fig.12		
	1908.5	19185	10	1	0	Fig.13
				50	0	Fig.14
	1	49		Fig.15		
	50	0		Fig.16		
	1852.5	18625	15	1	0	Fig.17
				75	0	Fig.18
	1	74		Fig.19		
	75	0		Fig.20		
	1907.5	19175	20	1	0	Fig.21
				100	0	Fig.22
	1	99		Fig.23		
	100	0		Fig.24		
1855	18650					
1905	19150					
1857.5	18675					
1902.5	19125					
1860	18700					
1900	19100					

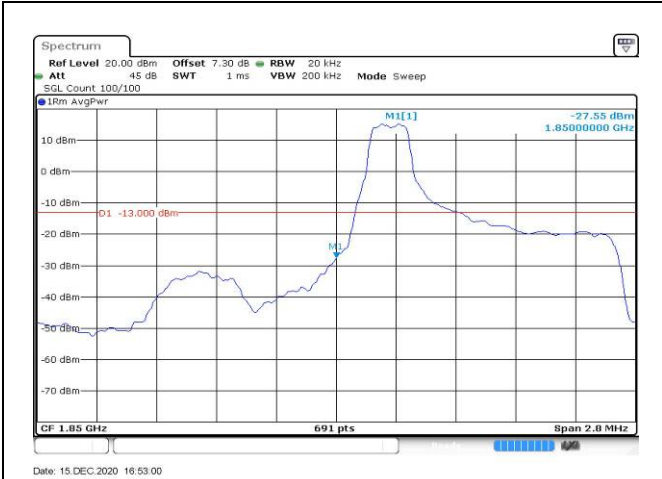


Fig.1

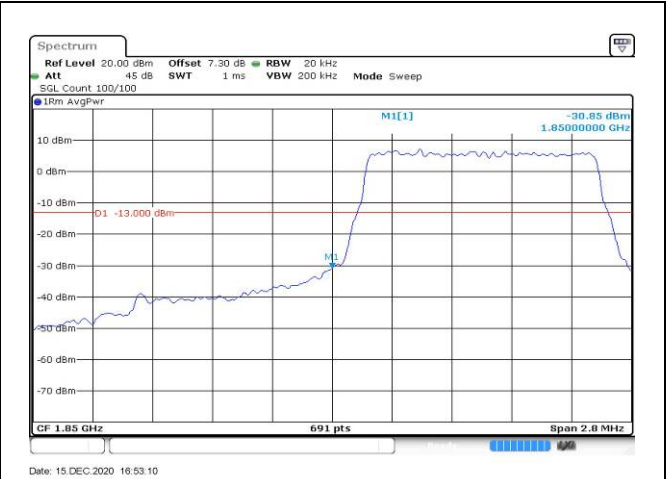


Fig.2

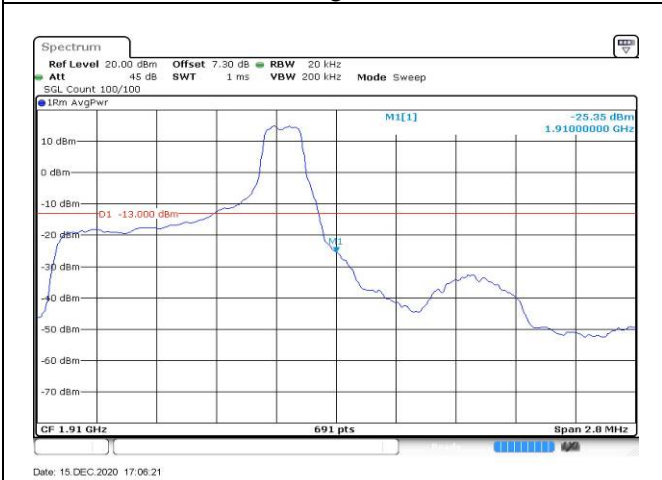


Fig.3

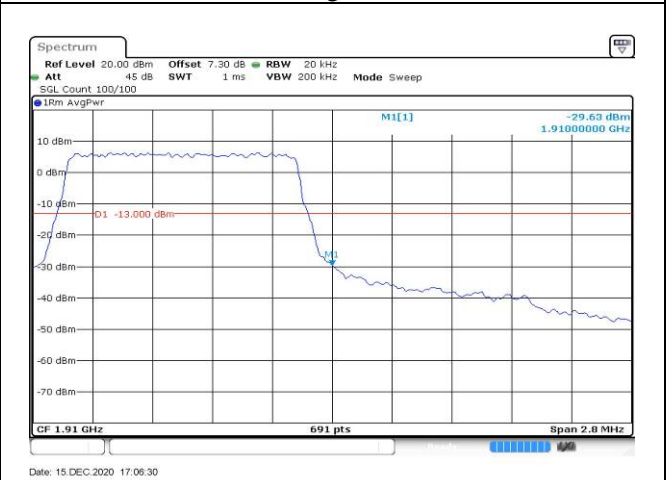


Fig.4

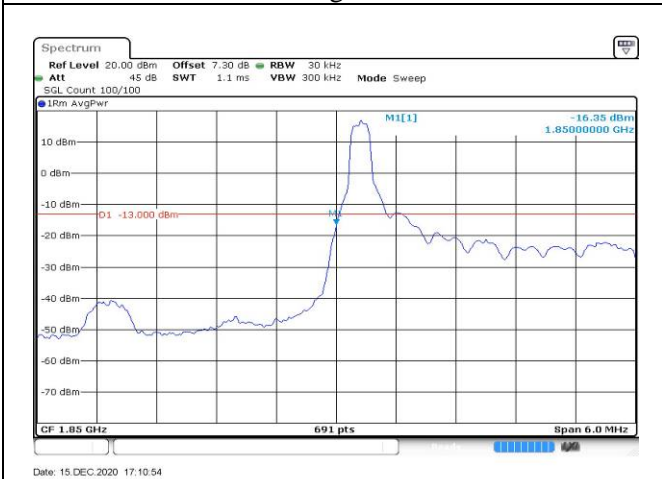


Fig.5

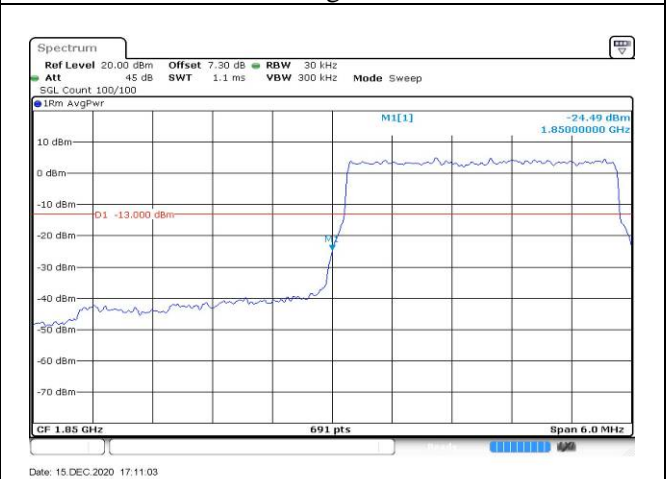


Fig.6

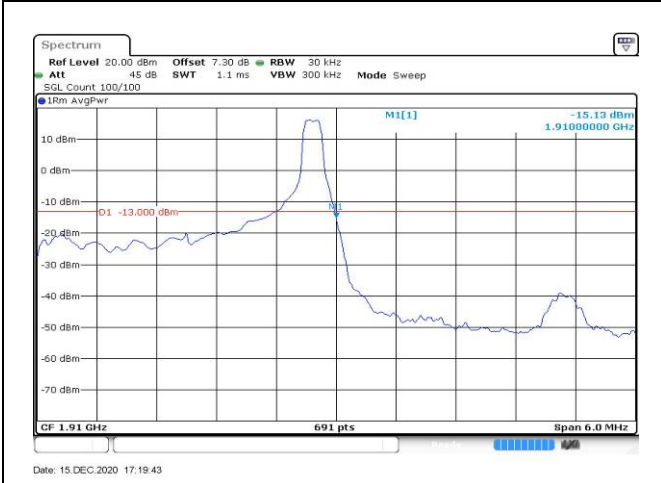


Fig.7

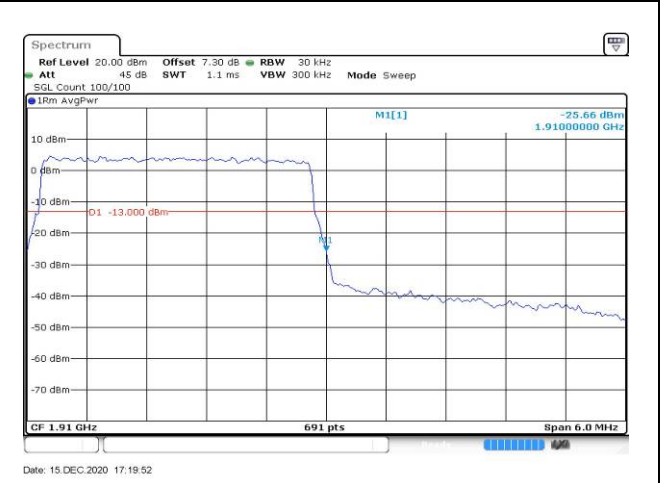


Fig.8

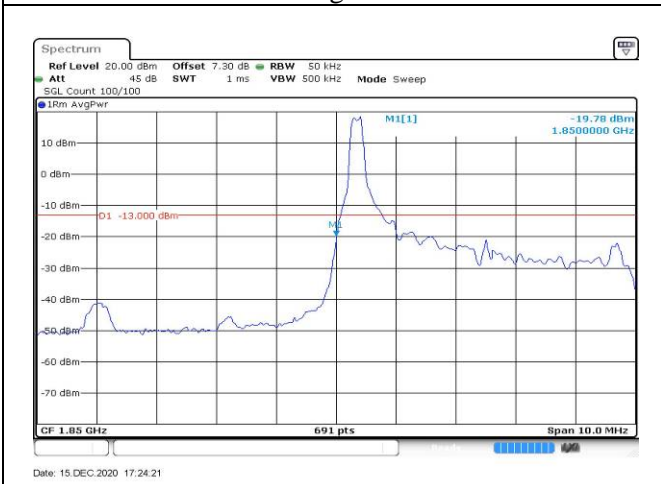


Fig.9

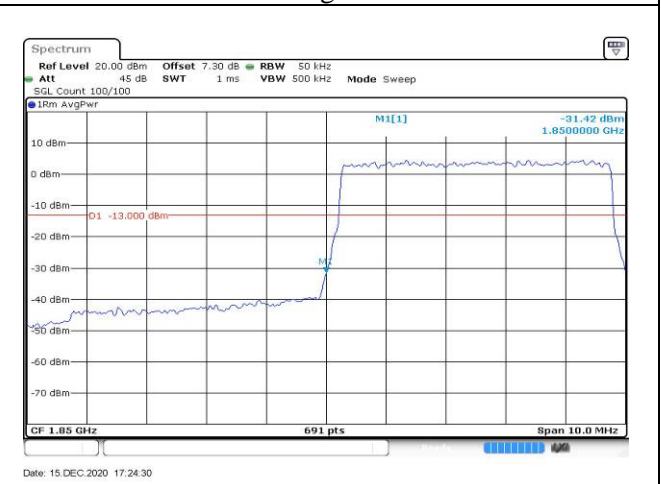


Fig.10

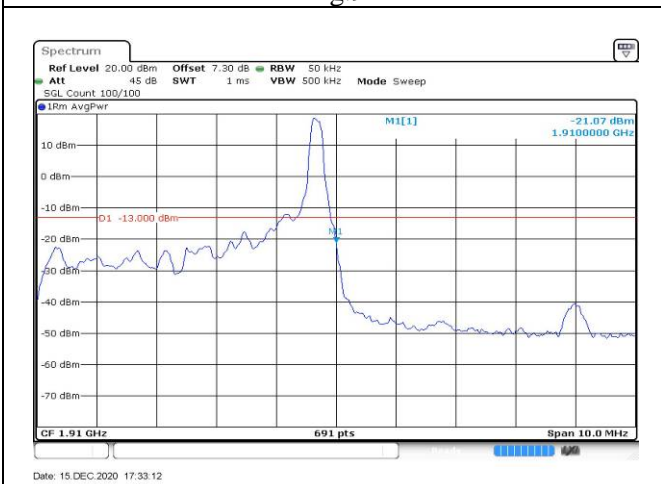


Fig.11

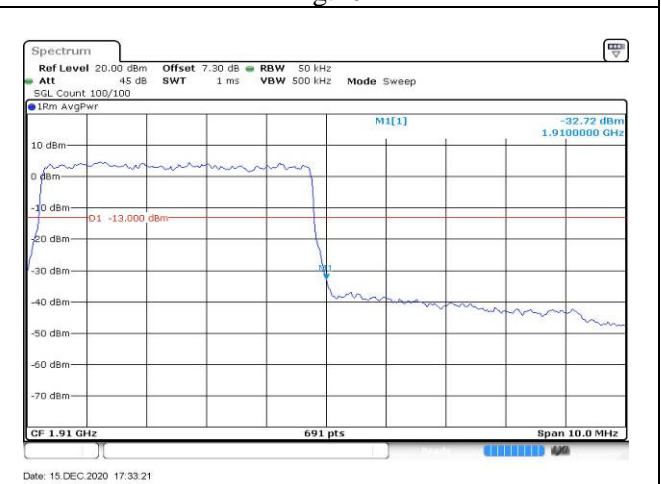


Fig.12

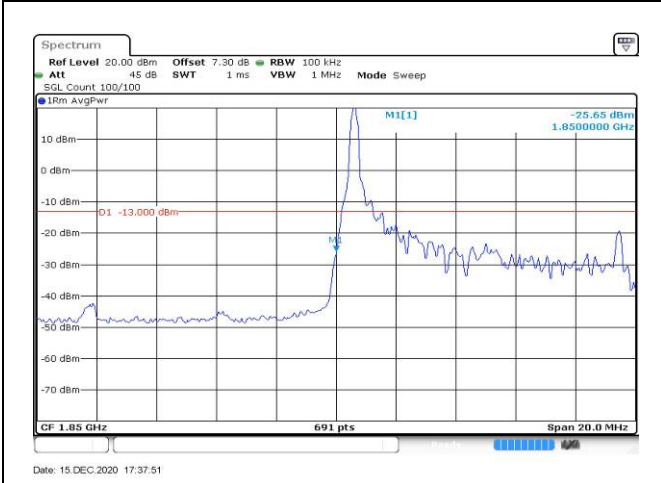


Fig.13

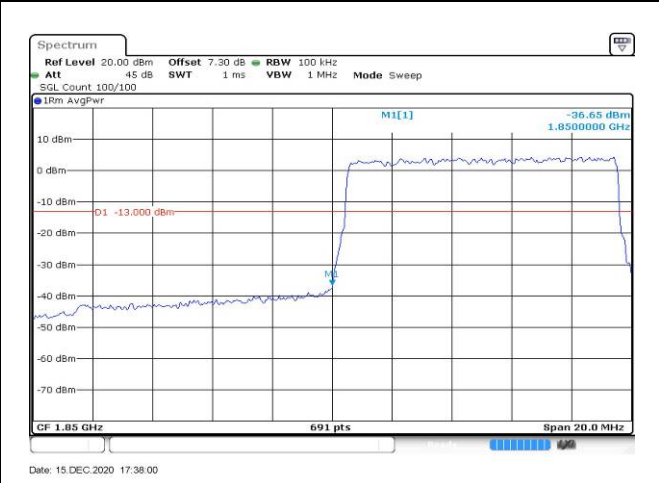


Fig.14

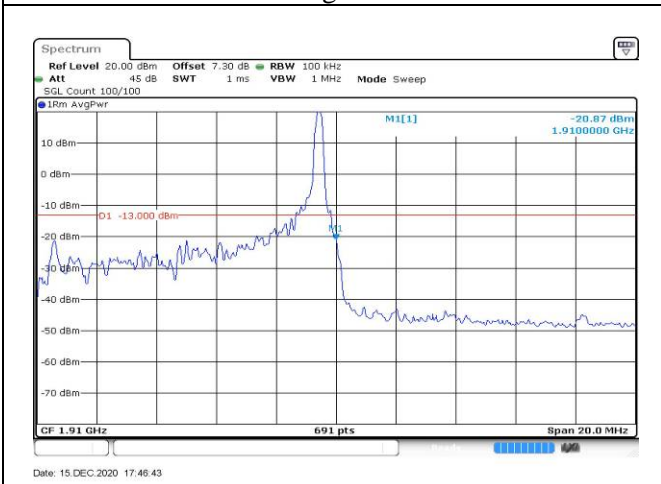


Fig.15

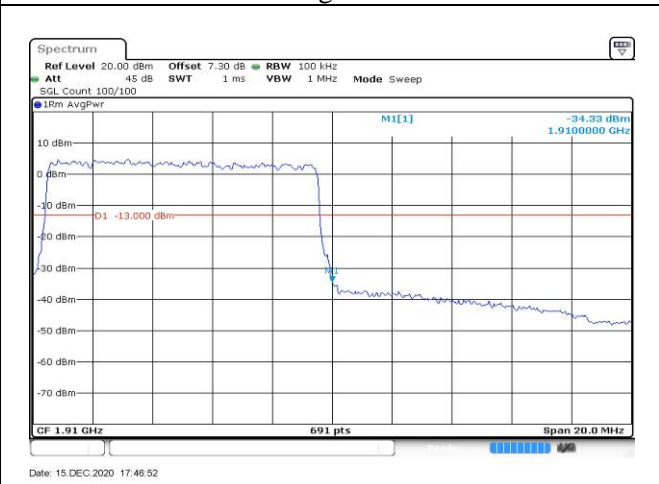


Fig.16

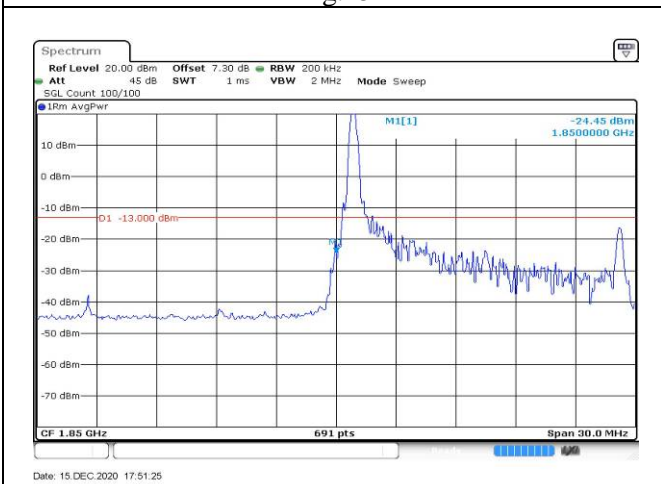


Fig.17

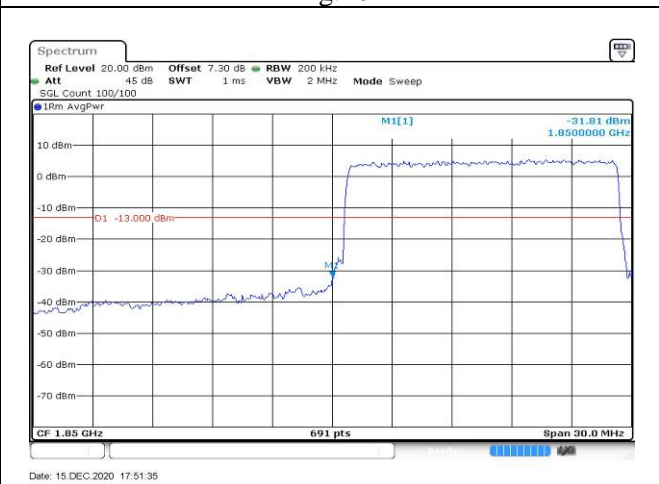


Fig.18

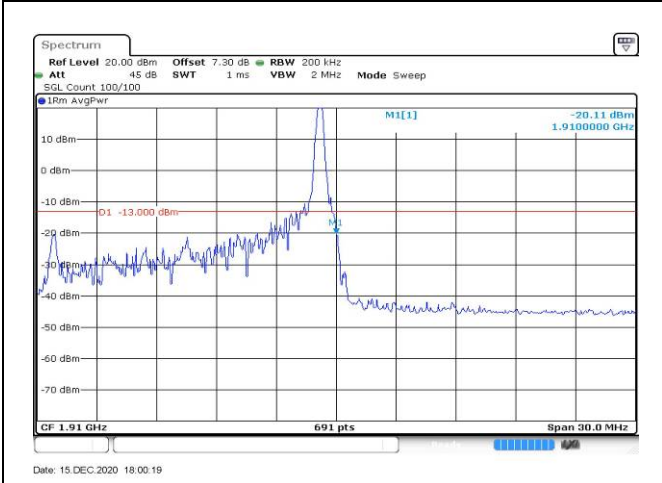


Fig.19

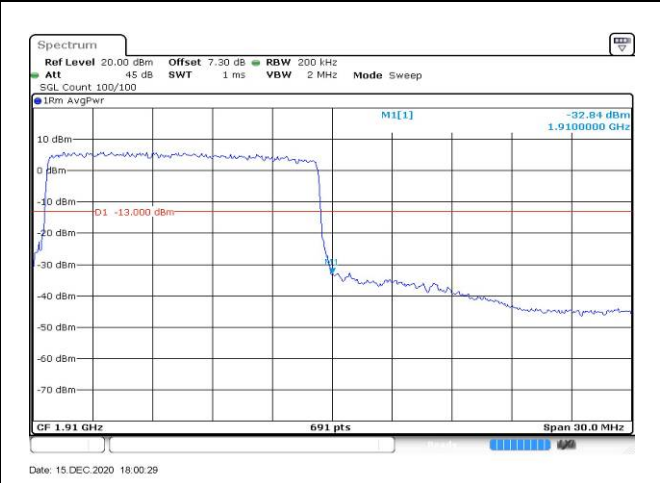


Fig.20

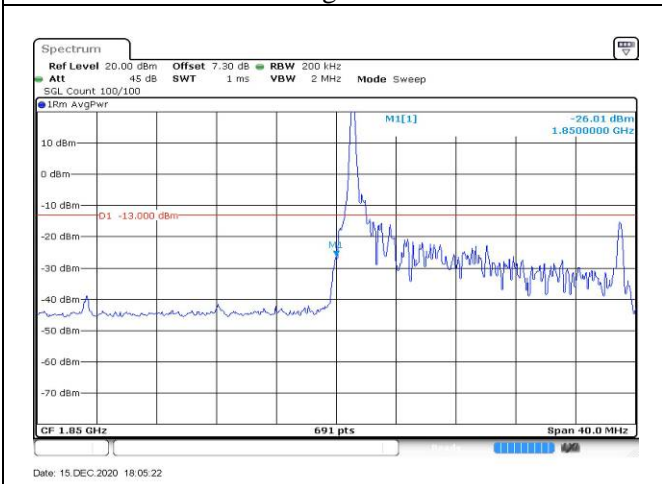


Fig.21

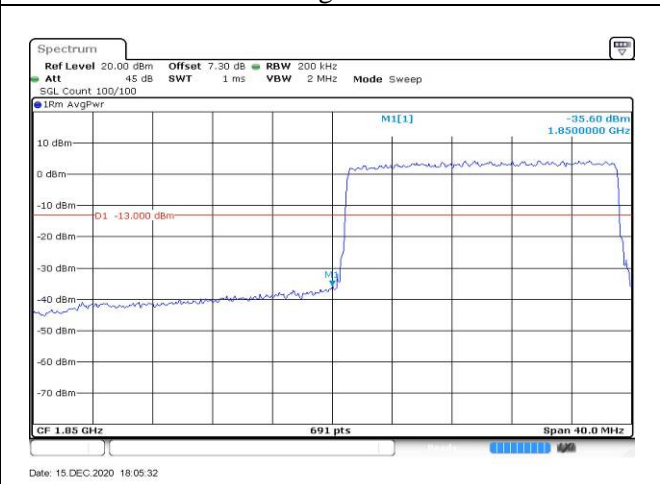


Fig.22

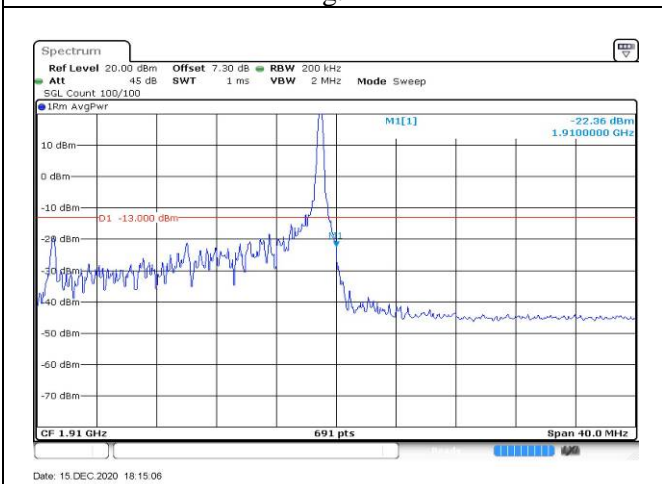


Fig.23

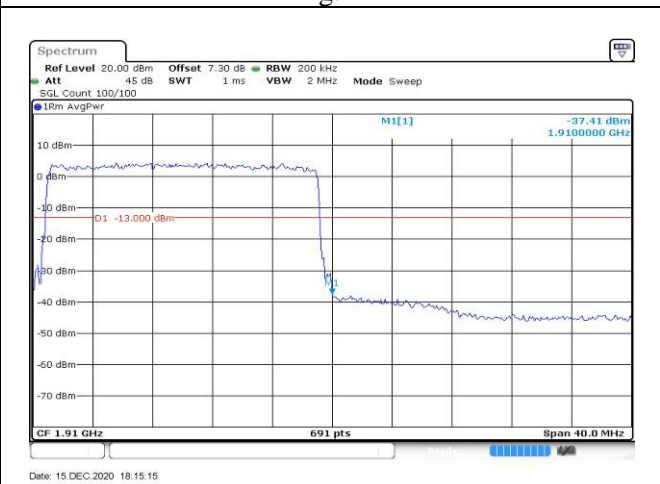


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.015	-0.009	-0.020	0.006	0.014	-0.006
0	NV	-0.009	-0.007	-0.023	-0.012	0.015	-0.016
+10	NV	-0.014	-0.007	-0.022	-0.003	-0.004	-0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.009	-0.007	-0.014	0.013	0.019	0.008
+40	NV	0.000	-0.003	-0.023	-0.018	-0.009	0.005
+50	NV	-0.018	-0.004	-0.024	-0.017	-0.006	-0.013
+55	NV	-0.011	-0.003	-0.018	-0.013	-0.007	-0.010
+20	LV	-0.003	-0.017	-0.020	0.005	-0.005	-0.017
+20	HV	-0.003	-0.016	0.002	0.000	0.013	-0.011

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.017	0.000	-0.013	-0.009	-0.016	-0.014
0	NV	-0.020	-0.030	-0.010	-0.010	-0.015	-0.012
+10	NV	-0.025	0.003	-0.005	-0.018	-0.010	-0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.016	-0.014	-0.007	-0.021	-0.013	-0.012
+40	NV	0.001	-0.019	-0.014	-0.016	-0.019	-0.011
+50	NV	-0.019	-0.005	-0.005	-0.022	-0.014	-0.011
+55	NV	-0.014	-0.003	-0.004	-0.018	-0.012	-0.010
+20	LV	-0.009	-0.011	0.001	-0.010	-0.003	-0.012
+20	HV	-0.014	-0.004	-0.013	-0.004	-0.009	-0.002

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	1850.7	18607	1.4	1	0	24.28	23.08	0.203
				1	3	24.20	23.00	0.200
				1	5	24.25	23.05	0.202
				3	0	24.13	22.93	0.196
				3	1	24.14	22.94	0.197
				3	3	24.27	23.07	0.203
	6	0		23.05	21.85	0.153		
	1	0		23.86	22.66	0.185		
	1	3		23.92	22.72	0.187		
	1	5		23.90	22.70	0.186		
	3	0		23.39	22.19	0.166		
	3	1		23.43	22.23	0.167		
	3	3		23.42	22.22	0.167		
	6	0		22.44	21.24	0.133		
	1	0		24.00	22.80	0.191		
	1	3		23.83	22.63	0.183		
	1	5		23.88	22.68	0.185		
	16QAM	1850.7		18607	1.4	3	0	23.01
3			1			23.05	21.85	0.153
3			3			23.02	21.82	0.152
6			0			22.18	20.98	0.125
1			0			22.80	21.60	0.145
1			3			22.86	21.66	0.147
1		5	22.84	21.64		0.146		
3		0	22.33	21.13		0.130		
3		1	22.37	21.17		0.131		
3		3	22.36	21.16		0.131		
6		0	21.38	20.18		0.104		
1		0	22.29	21.09		0.129		
1		3	22.26	21.06		0.128		
1		5	22.31	21.11		0.129		
3		0	21.67	20.47		0.111		
3		1	21.75	20.55		0.114		
3		3	21.88	20.68		0.117		
6		0	20.86	19.66		0.092		
1909.3	19193	1.4	1	0	22.94	21.74	0.149	
			1	3	22.77	21.57	0.144	
			1	5	22.82	21.62	0.145	
			3	0	21.95	20.75	0.119	
			3	1	21.99	20.79	0.120	
			3	3	21.96	20.76	0.119	
6	0	21.12	19.92	0.098				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1850.7	18607	1.4	1	0	22.35	21.15	0.130
				1	3	22.44	21.24	0.133
				1	5	22.43	21.23	0.133
				3	0	22.43	21.23	0.133
				3	1	22.42	21.22	0.132
				3	3	22.42	21.22	0.132
	1880	18900		6	0	22.42	21.22	0.132
				1	0	21.91	20.71	0.118
				1	3	22.02	20.82	0.121
				1	5	22.10	20.90	0.123
				3	0	22.01	20.81	0.121
				3	1	21.99	20.79	0.120
	1909.3	19193		3	3	21.99	20.79	0.120
				6	0	22.02	20.82	0.121
				1	0	22.28	21.08	0.128
				1	3	22.27	21.07	0.128
				1	5	22.26	21.06	0.128
				3	0	22.25	21.05	0.127
				3	1	22.24	21.04	0.127
				3	3	22.23	21.03	0.127
				6	0	22.23	21.03	0.127

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1851.5	18615	3	1	0	23.88	22.68	0.185
				1	8	23.80	22.60	0.182
				1	14	23.94	22.74	0.188
				8	0	22.98	21.78	0.151
				8	4	22.92	21.72	0.149
				8	7	22.90	21.70	0.148
	15	0		22.91	21.71	0.148		
	1	0		23.79	22.59	0.182		
	1	8		23.69	22.49	0.177		
	1	14		23.82	22.62	0.183		
	8	0		22.83	21.63	0.146		
	8	4		22.77	21.57	0.144		
	8	7		22.77	21.57	0.144		
	15	0		22.81	21.61	0.145		
	1	0		24.07	22.87	0.194		
	1	8		24.22	23.02	0.200		
	1	14		24.19	22.99	0.199		
	8	0		23.18	21.98	0.158		
8	4	23.07	21.87	0.154				
8	7	23.07	21.87	0.154				
15	0	23.15	21.95	0.157				
16QAM	1851.5	18615	1	0	23.02	21.82	0.152	
			1	8	22.94	21.74	0.149	
			1	14	22.91	21.71	0.148	
			8	0	22.37	21.17	0.131	
			8	4	22.31	21.11	0.129	
			8	7	22.30	21.10	0.129	
	15	0	22.30	21.10	0.129			
	1	0	23.05	21.85	0.153			
	1	8	23.04	21.84	0.153			
	1	14	23.05	21.85	0.153			
	8	0	22.23	21.03	0.127			
	8	4	22.29	21.09	0.129			
	8	7	22.30	21.10	0.129			
	15	0	21.98	20.78	0.120			
	1	0	23.29	22.09	0.162			
	1	8	23.39	22.19	0.166			
	1	14	23.93	22.73	0.187			
	8	0	22.27	21.07	0.128			
8	4	22.35	21.15	0.130				
8	7	22.39	21.19	0.132				
15	0	22.14	20.94	0.124				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1851.5	18615	3	1	0	22.29	21.09	0.129
				1	8	22.29	21.09	0.129
				1	14	22.28	21.08	0.128
				8	0	22.27	21.07	0.128
				8	4	22.27	21.07	0.128
				8	7	22.26	21.06	0.128
				15	0	22.26	21.06	0.128
	1880	18900		1	0	21.98	20.78	0.120
				1	8	21.98	20.78	0.120
				1	14	21.99	20.79	0.120
				8	0	21.98	20.78	0.120
				8	4	21.98	20.78	0.120
				8	7	21.98	20.78	0.120
				15	0	21.98	20.78	0.120
	1908.5	19185		1	0	22.14	20.94	0.124
				1	8	22.19	20.99	0.126
				1	14	22.19	20.99	0.126
				8	0	22.14	20.94	0.124
				8	4	22.19	20.99	0.126
				8	7	22.19	20.99	0.126
				15	0	22.19	20.99	0.126

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1852.5	18625	5	1	0	24.22	23.02	0.200
				1	12	24.04	22.84	0.192
				1	24	24.03	22.83	0.192
				12	0	23.28	22.08	0.161
				12	7	23.09	21.89	0.155
				12	13	23.09	21.89	0.155
				25	0	23.01	21.81	0.152
	1880	18900		1	0	23.93	22.73	0.187
				1	12	23.97	22.77	0.189
				1	24	23.96	22.76	0.189
				12	0	22.88	21.68	0.147
				12	7	22.79	21.59	0.144
				12	13	22.78	21.58	0.144
				25	0	22.84	21.64	0.146
	1907.5	19175		1	0	24.01	22.81	0.191
				1	12	23.96	22.76	0.189
				1	24	24.05	22.85	0.193
				12	0	23.11	21.91	0.155
				12	7	23.08	21.88	0.154
				12	13	23.18	21.98	0.158
				25	0	23.14	21.94	0.156
16QAM	1852.5	18625	1	0	22.45	21.25	0.133	
			1	12	22.30	21.10	0.129	
			1	24	22.30	21.10	0.129	
			12	0	22.26	21.06	0.128	
			12	7	22.11	20.91	0.123	
			12	13	22.11	20.91	0.123	
			25	0	22.29	21.09	0.129	
	1880	18900	1	0	23.00	21.80	0.151	
			1	12	23.18	21.98	0.158	
			1	24	23.17	21.97	0.157	
			12	0	21.96	20.76	0.119	
			12	7	21.97	20.77	0.119	
			12	13	21.97	20.77	0.119	
			25	0	21.99	20.79	0.120	
	1907.5	19175	1	0	23.13	21.93	0.156	
			1	12	23.20	22.00	0.158	
			1	24	23.10	21.90	0.155	
			12	0	22.00	20.80	0.120	
			12	7	22.04	20.84	0.121	
			12	13	22.07	20.87	0.122	
			25	0	22.15	20.95	0.124	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1852.5	18625	5	1	0	22.33	21.13	0.130
				1	12	22.25	21.05	0.127
				1	24	22.33	21.13	0.130
				12	0	22.30	21.10	0.129
				12	7	22.33	21.13	0.130
				12	13	22.25	21.05	0.127
				25	0	22.33	21.13	0.130
	1880	18900		1	0	21.99	20.79	0.120
				1	12	21.99	20.79	0.120
				1	24	22.00	20.80	0.120
				12	0	22.00	20.80	0.120
				12	7	22.00	20.80	0.120
				12	13	22.00	20.80	0.120
				25	0	22.00	20.80	0.120
	1907.5	19175		1	0	22.15	20.95	0.124
				1	12	22.05	20.85	0.122
				1	24	22.06	20.86	0.122
				12	0	22.06	20.86	0.122
				12	7	22.06	20.86	0.122
				12	13	22.06	20.86	0.122
				25	0	22.06	20.86	0.122

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1855	18650	10	1	0	24.14	22.94	0.197
				1	25	23.94	22.74	0.188
				1	49	23.95	22.75	0.188
				25	0	22.96	21.76	0.150
				25	12	23.06	21.86	0.153
				25	25	23.06	21.86	0.153
	50	0		23.07	21.87	0.154		
	1880	18900		1	0	23.91	22.71	0.187
				1	25	23.96	22.76	0.189
				1	49	23.99	22.79	0.190
				25	0	22.87	21.67	0.147
				25	12	22.94	21.74	0.149
				25	25	22.94	21.74	0.149
	50	0		22.90	21.70	0.148		
	1905	19150		1	0	24.05	22.85	0.193
				1	25	24.16	22.96	0.198
				1	49	24.12	22.92	0.196
				25	0	23.09	21.89	0.155
25			12	23.15	21.95	0.157		
25			25	23.15	21.95	0.157		
50	0	23.09	21.89	0.155				
16QAM	1855	18650	1	0	23.67	22.47	0.177	
			1	25	23.48	22.28	0.169	
			1	49	23.49	22.29	0.169	
			25	0	22.15	20.95	0.124	
			25	12	22.16	20.96	0.125	
			25	25	22.16	20.96	0.125	
	50	0	22.15	20.95	0.124			
	1880	18900	1	0	23.01	21.81	0.152	
			1	25	23.69	22.49	0.177	
			1	49	23.68	22.48	0.177	
			25	0	22.01	20.81	0.121	
			25	12	21.96	20.76	0.119	
			25	25	21.97	20.77	0.119	
	50	0	22.01	20.81	0.121			
	1905	19150	1	0	22.92	21.72	0.149	
			1	25	23.15	21.95	0.157	
			1	49	23.01	21.81	0.152	
			25	0	22.44	21.24	0.133	
25			12	22.37	21.17	0.131		
25			25	22.37	21.17	0.131		
50	0	22.22	21.02	0.126				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1855	18650	10	1	0	22.14	20.94	0.124
				1	25	22.15	20.95	0.124
				1	49	22.14	20.94	0.124
				25	0	22.14	20.94	0.124
				25	12	22.15	20.95	0.124
				25	25	22.15	20.95	0.124
	1880	18900		50	0	22.14	20.94	0.124
				1	0	21.97	20.77	0.119
				1	25	22.01	20.81	0.121
				1	49	21.95	20.75	0.119
				25	0	21.94	20.74	0.119
				25	12	21.95	20.75	0.119
	1905	19150		25	25	21.98	20.78	0.120
				50	0	21.95	20.75	0.119
				1	0	22.28	21.08	0.128
				1	25	22.29	21.09	0.129
				1	49	22.23	21.03	0.127
				25	0	22.29	21.09	0.129
				25	12	22.29	21.09	0.129
				25	25	22.34	21.14	0.130
				50	0	22.18	20.98	0.125

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1857.5	18675	15	1	0	23.97	22.77	0.189
				1	37	23.96	22.76	0.189
				1	74	23.98	22.78	0.190
				36	0	23.11	21.91	0.155
				36	29	23.15	21.95	0.157
				36	30	23.16	21.96	0.157
				75	0	23.10	21.90	0.155
	1880	18900		1	0	23.71	22.51	0.178
				1	37	23.77	22.57	0.181
				1	74	23.76	22.56	0.180
				36	0	22.83	21.63	0.146
				36	29	22.97	21.77	0.150
				36	30	22.96	21.76	0.150
				75	0	22.85	21.65	0.146
	1902.5	19125		1	0	23.95	22.75	0.188
				1	37	24.22	23.02	0.200
				1	74	24.23	23.03	0.201
				36	0	23.03	21.83	0.152
				36	29	23.13	21.93	0.156
				36	30	23.12	21.92	0.156
				75	0	23.07	21.87	0.154
16QAM	1857.5	18675	1	0	23.55	22.35	0.172	
			1	37	23.29	22.09	0.162	
			1	74	23.37	22.17	0.165	
			36	0	22.17	20.97	0.125	
			36	29	22.05	20.85	0.122	
			36	30	22.04	20.84	0.121	
			75	0	22.05	20.85	0.122	
	1880	18900	1	0	23.33	22.13	0.163	
			1	37	23.33	22.13	0.163	
			1	74	23.32	22.12	0.163	
			36	0	21.99	20.79	0.120	
			36	29	22.00	20.80	0.120	
			36	30	21.99	20.79	0.120	
			75	0	21.98	20.78	0.120	
	1902.5	19125	1	0	23.77	22.57	0.181	
			1	37	24.10	22.90	0.195	
			1	74	23.98	22.78	0.190	
			36	0	22.17	20.97	0.125	
			36	29	22.11	20.91	0.123	
			36	30	22.11	20.91	0.123	
			75	0	22.24	21.04	0.127	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1857.5	18675	15	1	0	22.05	20.85	0.122
				1	37	22.04	20.84	0.121
				1	74	22.04	20.84	0.121
				36	0	22.15	20.95	0.124
				36	29	22.14	20.94	0.124
				36	30	22.14	20.94	0.124
				75	0	22.02	20.82	0.121
	1880	18900		1	0	21.99	20.79	0.120
				1	37	21.99	20.79	0.120
				1	74	21.99	20.79	0.120
				36	0	21.99	20.79	0.120
				36	29	21.98	20.78	0.120
				36	30	21.98	20.78	0.120
				75	0	21.98	20.78	0.120
	1902.5	19125		1	0	22.24	21.04	0.127
				1	37	22.24	21.04	0.127
				1	74	22.25	21.05	0.127
				36	0	22.25	21.05	0.127
				36	29	22.25	21.05	0.127
				36	30	22.25	21.05	0.127
				75	0	22.25	21.05	0.127

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	1860	18700	20	1	0	24.31	23.11	0.205	
				1	49	24.06	22.86	0.193	
				1	99	24.06	22.86	0.193	
				50	0	22.92	21.72	0.149	
				50	24	22.95	21.75	0.150	
				50	50	22.95	21.75	0.150	
	100	0		23.00	21.80	0.151			
	1	0		24.05	22.85	0.193			
	1	49		24.13	22.93	0.196			
	1	99		24.11	22.91	0.195			
	50	0		22.78	21.58	0.144			
	50	24		22.88	21.68	0.147			
	50	50		22.87	21.67	0.147			
	100	0		22.80	21.60	0.145			
	1	0		23.98	22.78	0.190			
	1	49		24.30	23.10	0.204			
	1	99		24.18	22.98	0.199			
	50	0		23.03	21.83	0.152			
	50	24		23.19	21.99	0.158			
	50	50		23.19	21.99	0.158			
	100	0		23.21	22.01	0.159			
	16QAM	1860		18700	1	0	23.38	22.18	0.165
					1	49	23.07	21.87	0.154
					1	99	23.08	21.88	0.154
50			0		22.17	20.97	0.125		
50			24		22.09	20.89	0.123		
50			50		22.09	20.89	0.123		
100		0	22.10	20.90	0.123				
1		0	22.81	21.61	0.145				
1		49	22.87	21.67	0.147				
1		99	22.99	21.79	0.151				
50		0	22.04	20.84	0.121				
50		24	22.00	20.80	0.120				
50		50	22.00	20.80	0.120				
100		0	21.95	20.75	0.119				
1		0	23.66	22.46	0.176				
1		49	23.97	22.77	0.189				
1		99	23.96	22.76	0.189				
50		0	22.06	20.86	0.122				
50		24	22.26	21.06	0.128				
50		50	22.27	21.07	0.128				
100		0	22.24	21.04	0.127				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1860	18700	20	1	0	22.10	20.90	0.123
				1	49	22.10	20.90	0.123
				1	99	22.10	20.90	0.123
				50	0	22.11	20.91	0.123
				50	24	22.11	20.91	0.123
				50	50	22.12	20.92	0.124
				100	0	22.11	20.91	0.123
	1880	18900		1	0	21.96	20.76	0.119
				1	49	21.96	20.76	0.119
				1	99	21.96	20.76	0.119
				50	0	21.96	20.76	0.119
				50	24	21.96	20.76	0.119
				50	50	21.96	20.76	0.119
				100	0	21.95	20.75	0.119
	1900	19100		1	0	22.36	21.16	0.131
				1	49	22.25	21.05	0.127
				1	99	22.25	21.05	0.127
				50	0	22.25	21.05	0.127
				50	24	22.25	21.05	0.127
				50	50	22.25	21.05	0.127
				100	0	22.25	21.05	0.127