

Fig.91

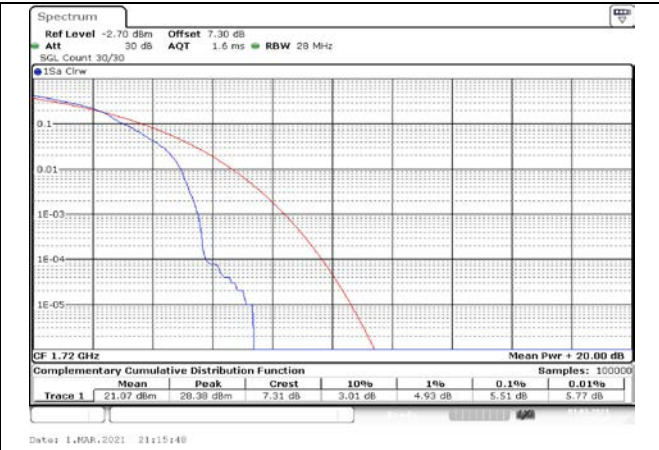


Fig.92

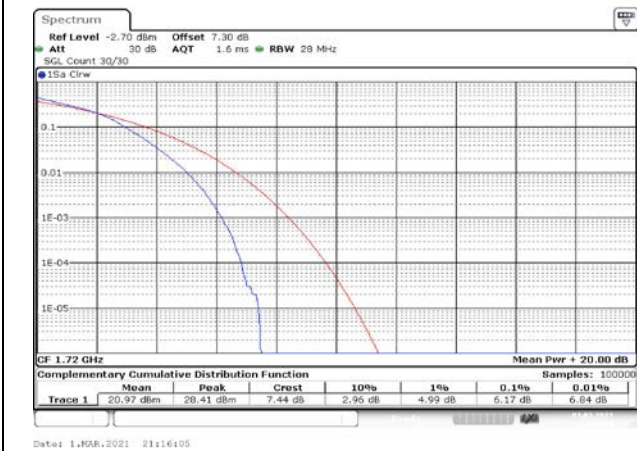


Fig.93

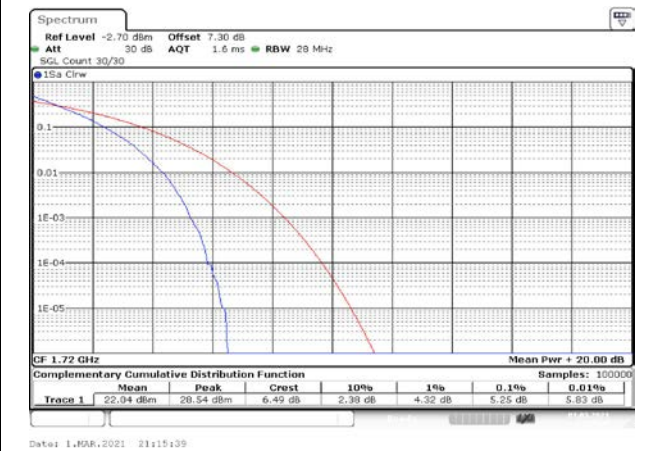


Fig.94

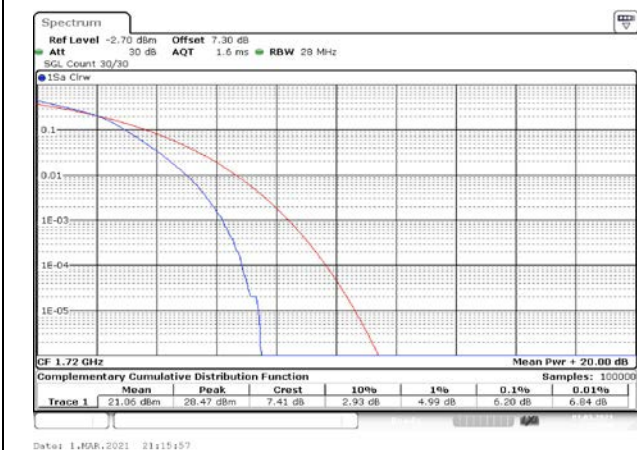


Fig.95



Fig.96

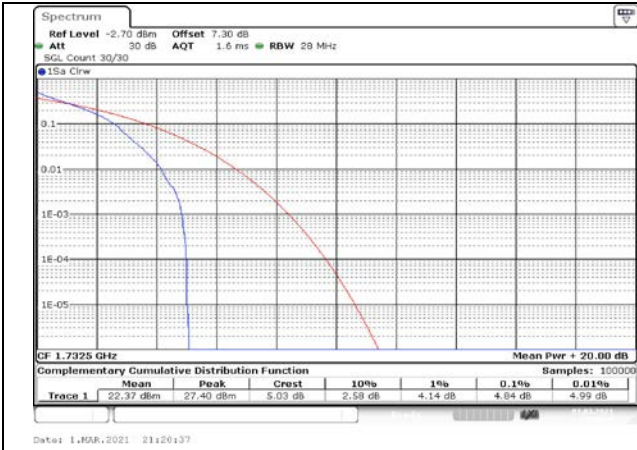


Fig.97

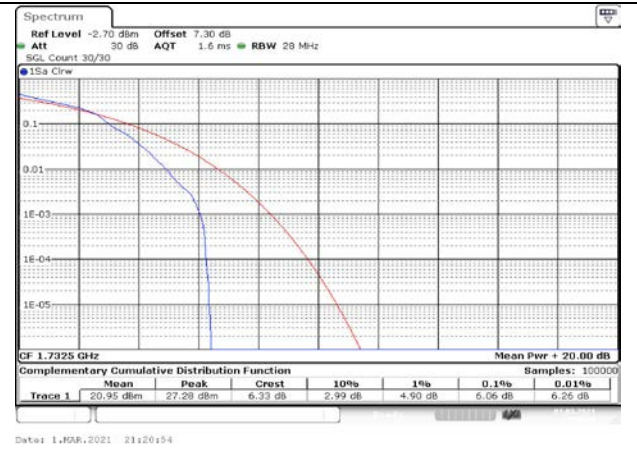


Fig.98

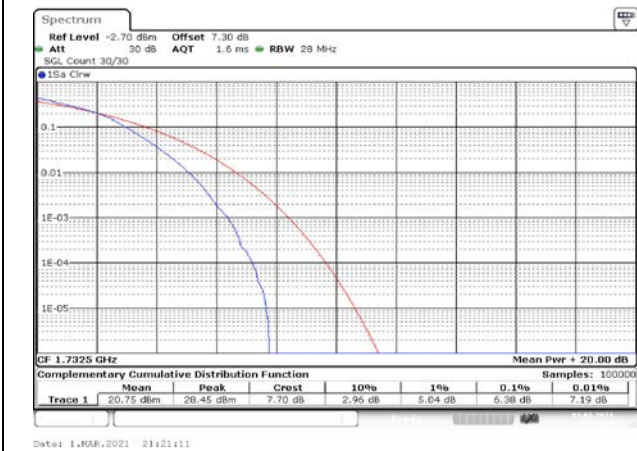


Fig.99

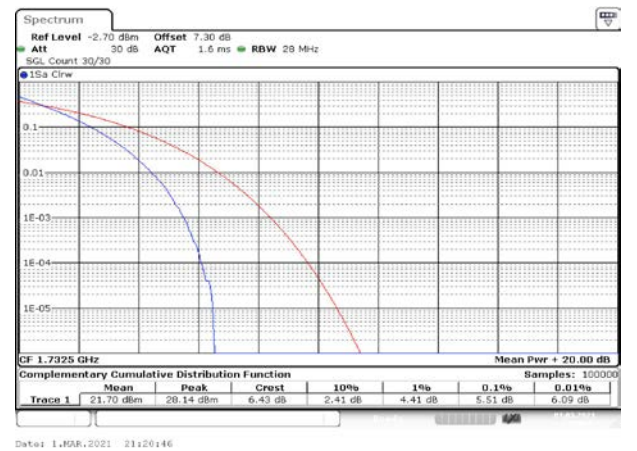


Fig.100

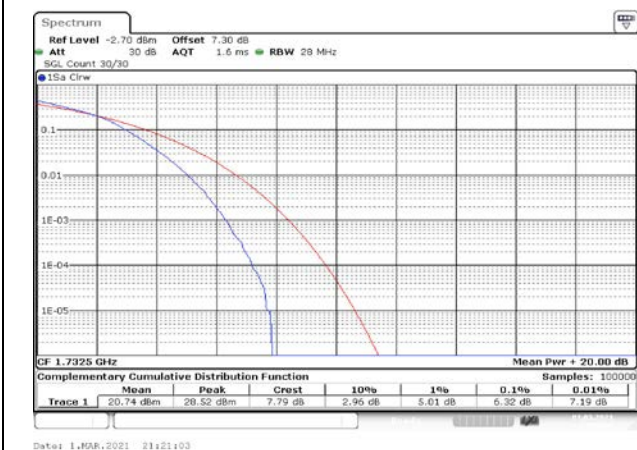


Fig.101

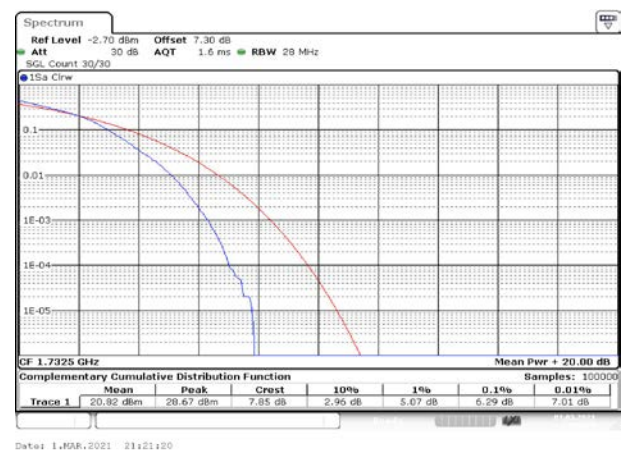


Fig.102

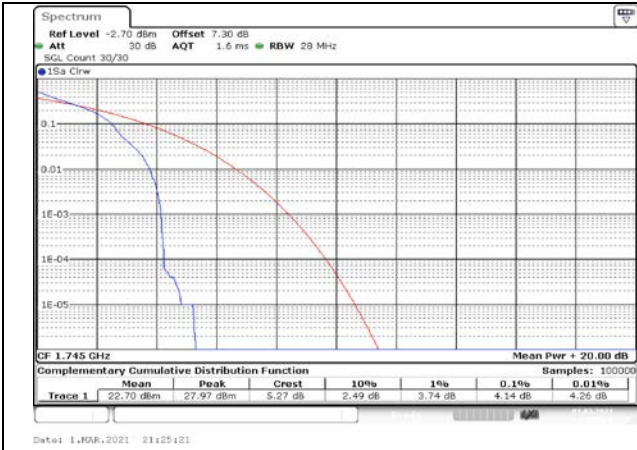


Fig.103



Fig.104

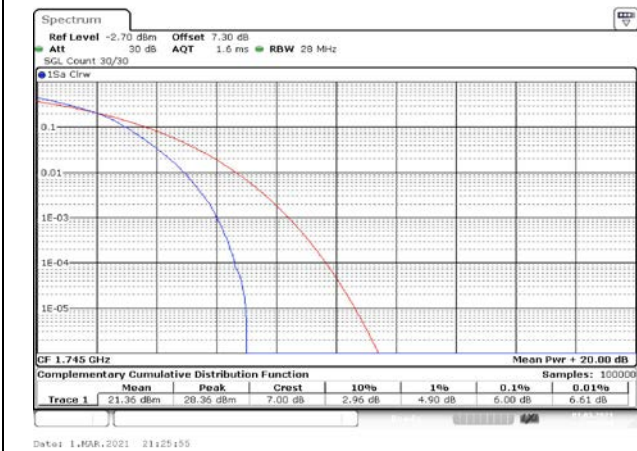


Fig.105

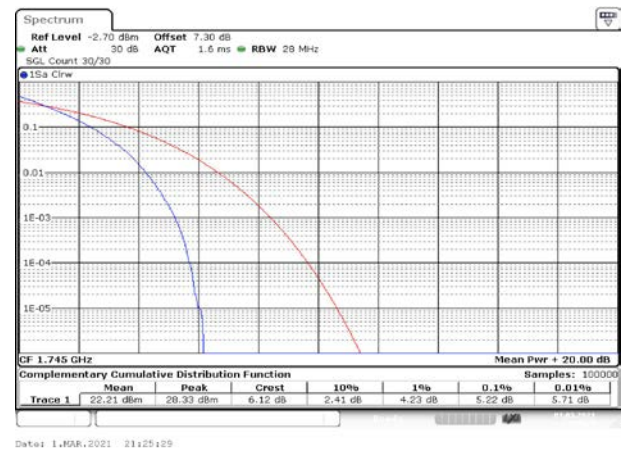


Fig.106

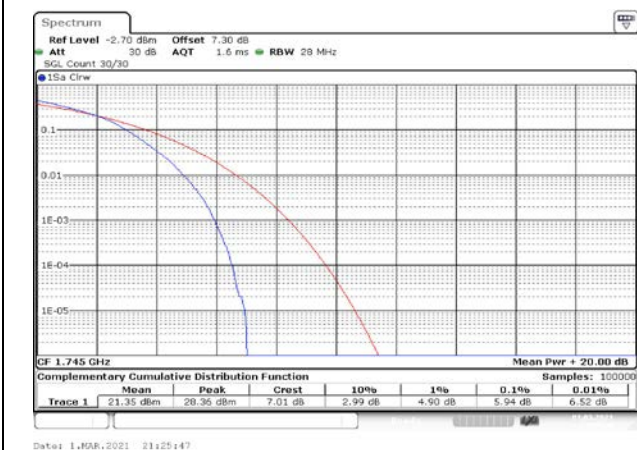


Fig.107

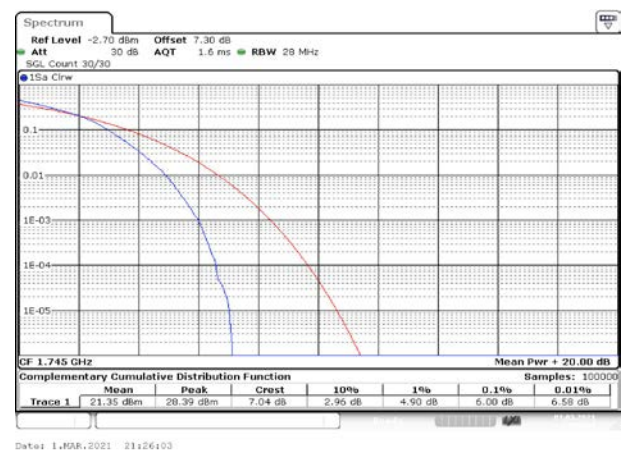


Fig.108

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1720	20050	20	1	0	Fig.1
	1732.5	20175		1	0	Fig.2
	1745	20300		1	0	Fig.3

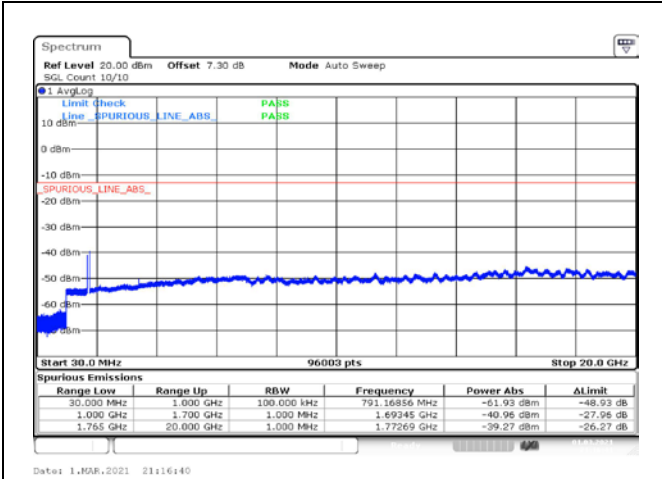


Fig.1

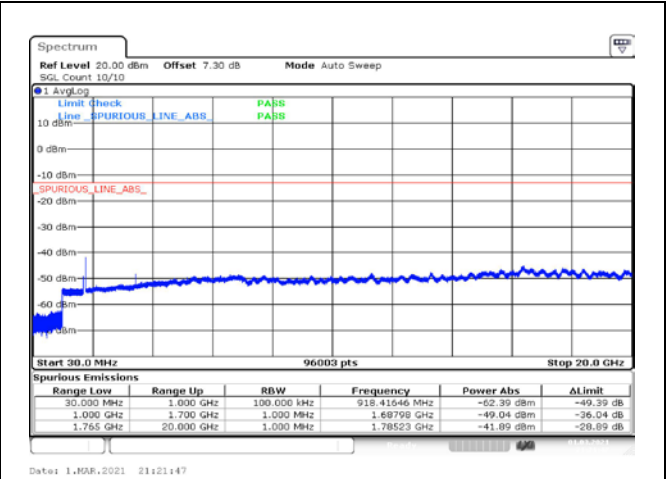


Fig.2

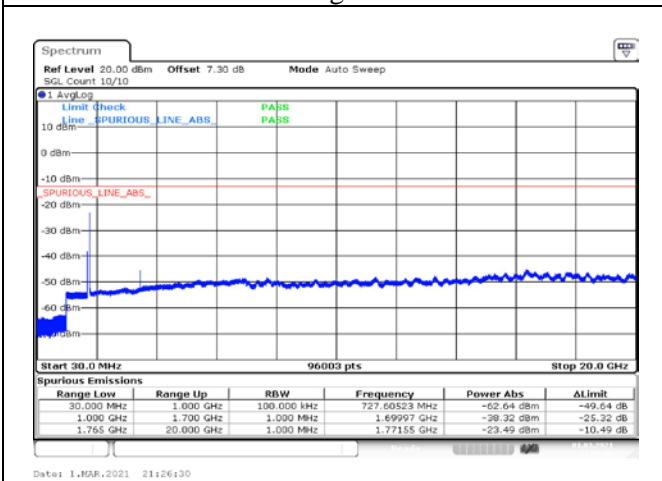


Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
4	1710.7	19957	1.4	1	0	Fig.1
				6	0	Fig.2
	1754.3	20393		1	5	Fig.3
				6	0	Fig.4
	1711.5	19965	3	1	0	Fig.5
				15	0	Fig.6
	1753.5	20385		1	14	Fig.7
				15	0	Fig.8
	1712.5	19975	5	1	0	Fig.9
				25	0	Fig.10
	1752.5	20375		1	24	Fig.11
				25	0	Fig.12
	1715	20000	10	1	0	Fig.13
				50	0	Fig.14
	1750	20350		1	49	Fig.15
				50	0	Fig.16
	1717.5	20025	15	1	0	Fig.17
				75	0	Fig.18
	1747.5	20325		1	74	Fig.19
				75	0	Fig.20
	1720	20050	20	1	0	Fig.21
				100	0	Fig.22
	1745	20300		1	99	Fig.23
				100	0	Fig.24

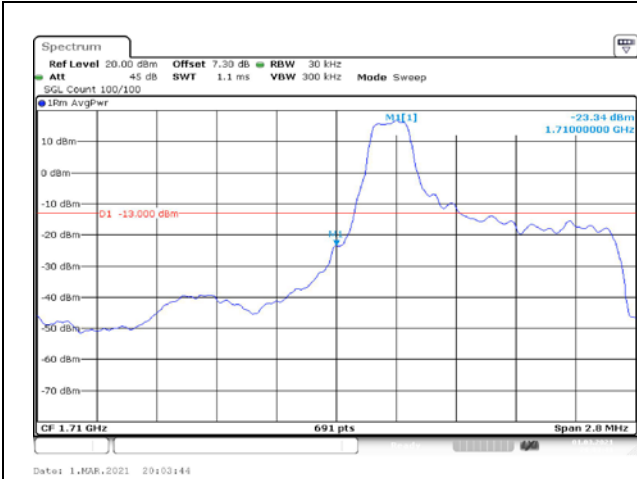


Fig.1

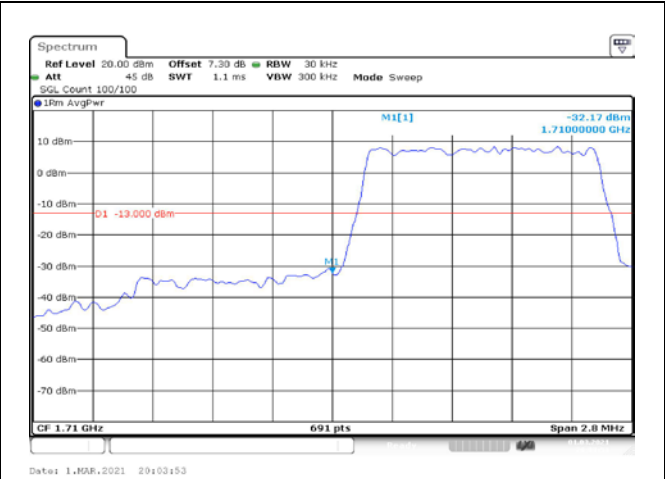


Fig.2

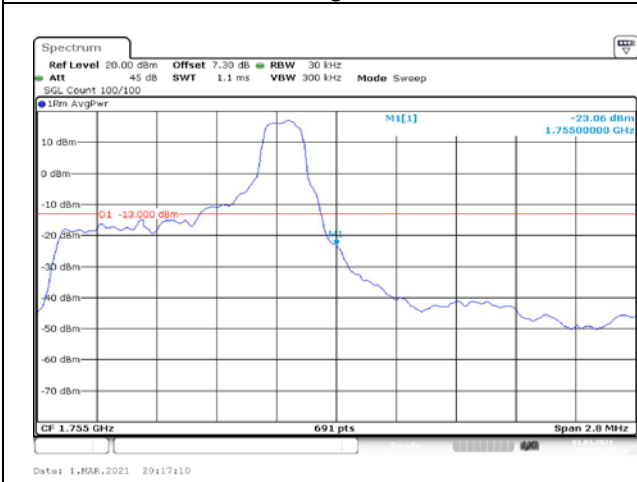


Fig.3

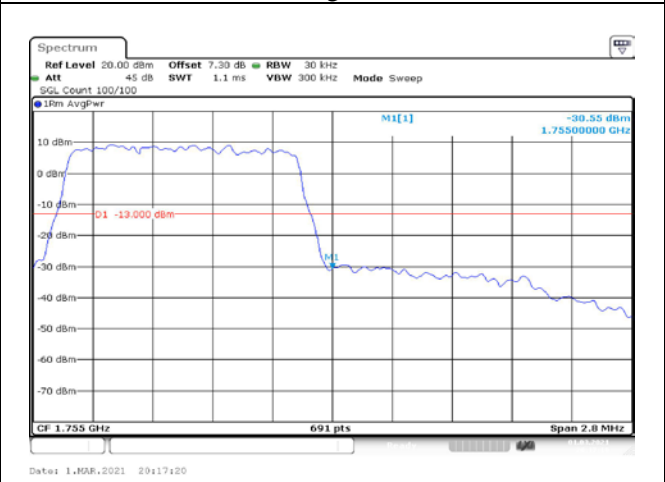


Fig.4

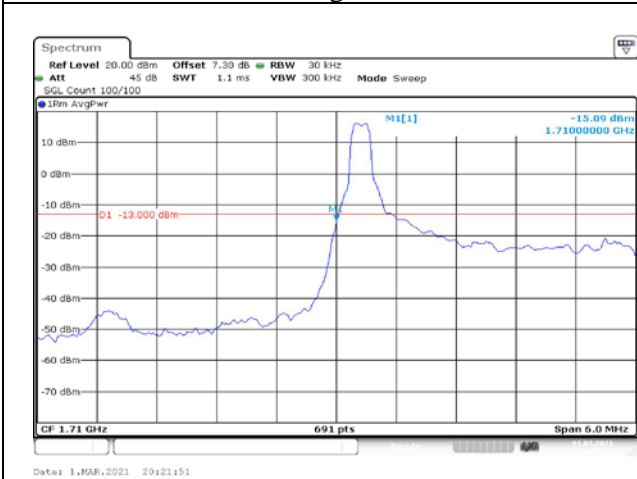


Fig.5

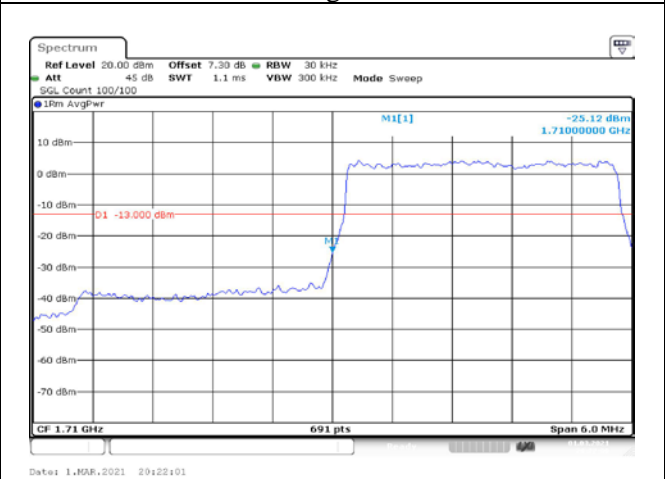


Fig.6

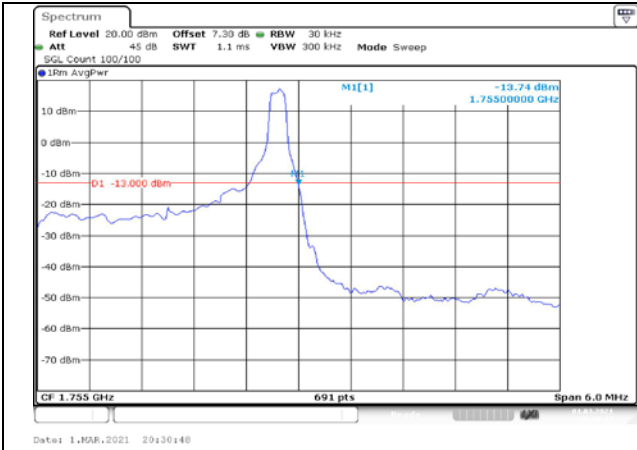


Fig.7

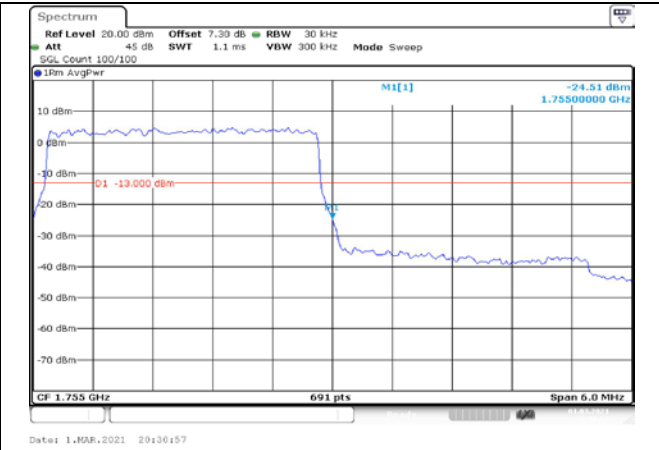


Fig.8

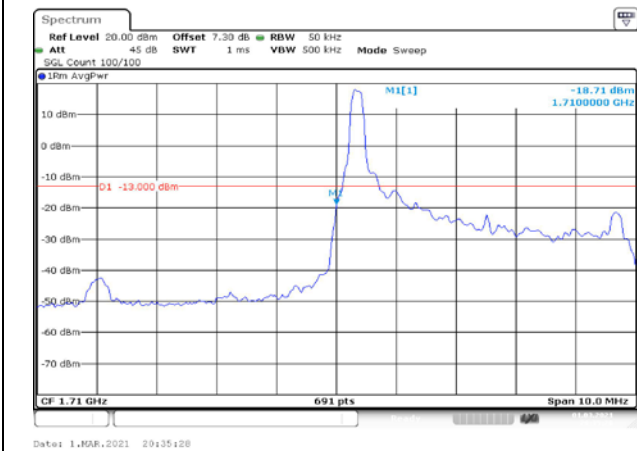


Fig.9

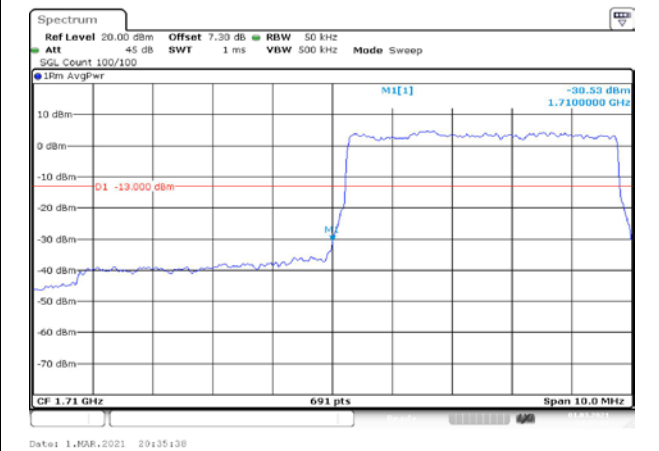


Fig.10

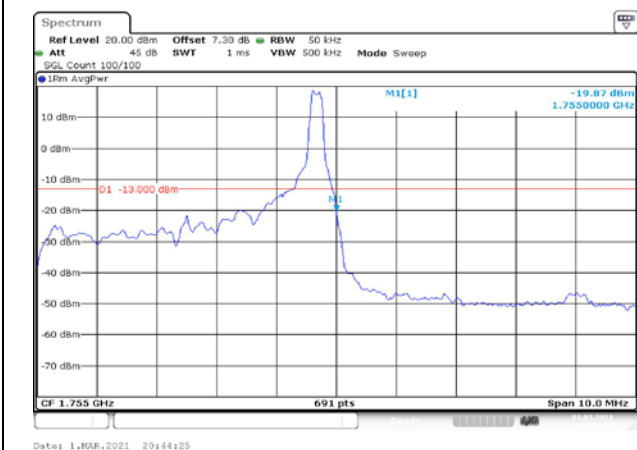


Fig.11

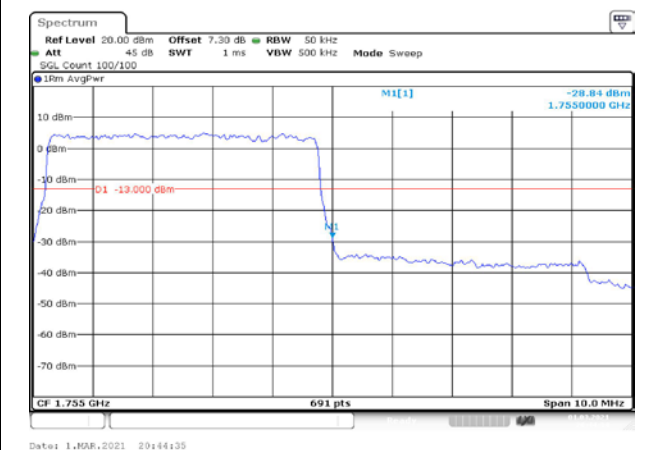
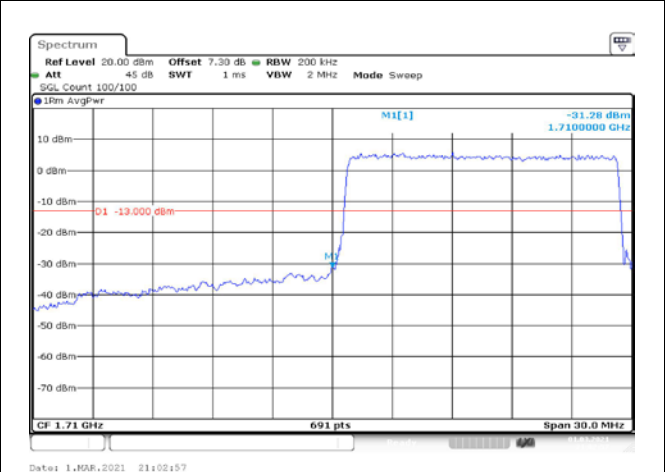
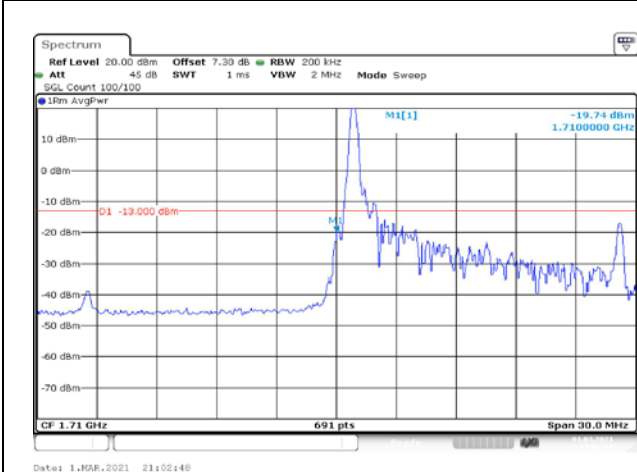
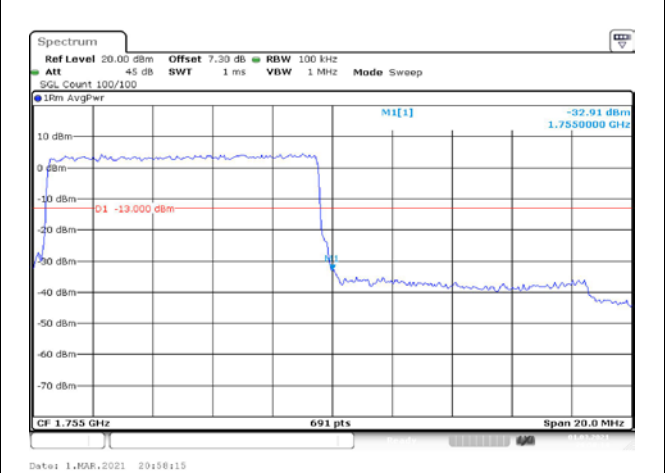
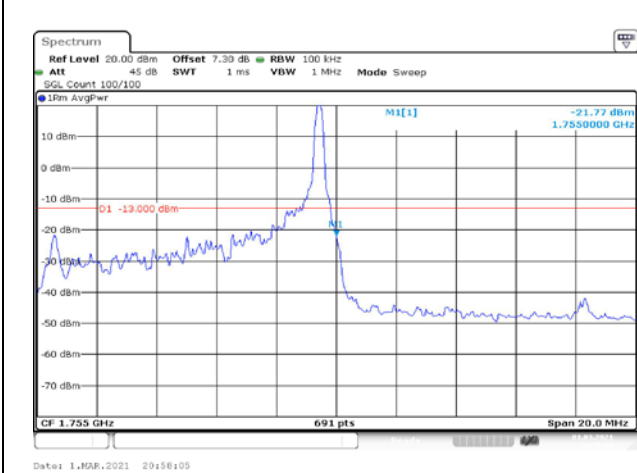
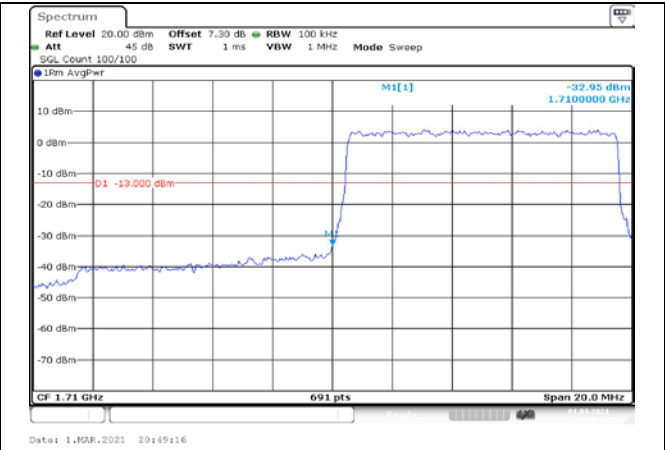
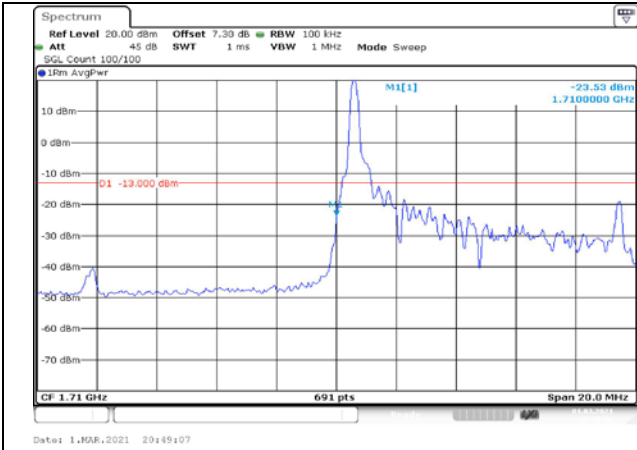


Fig.12



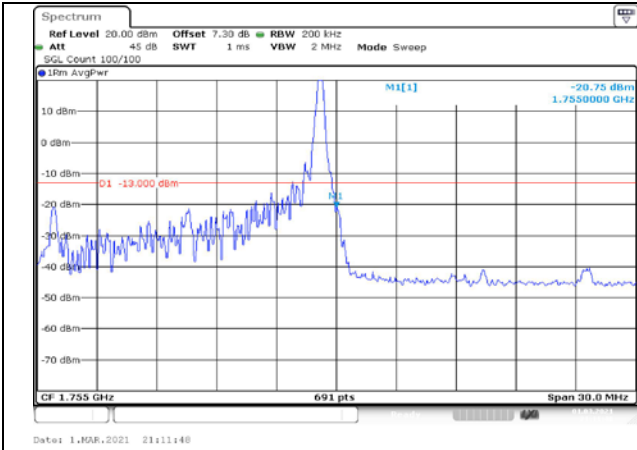


Fig.19

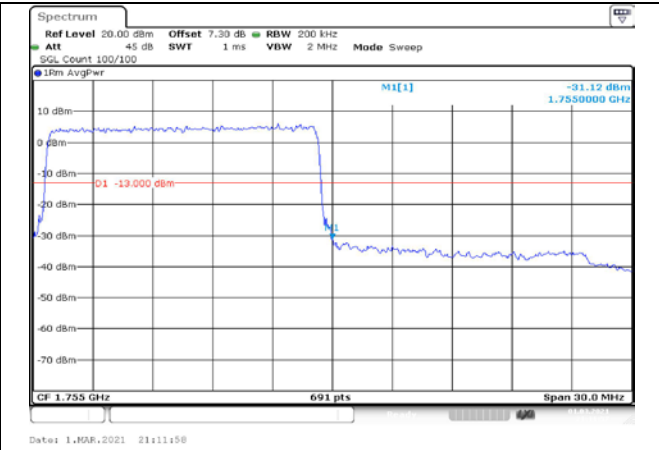


Fig.20

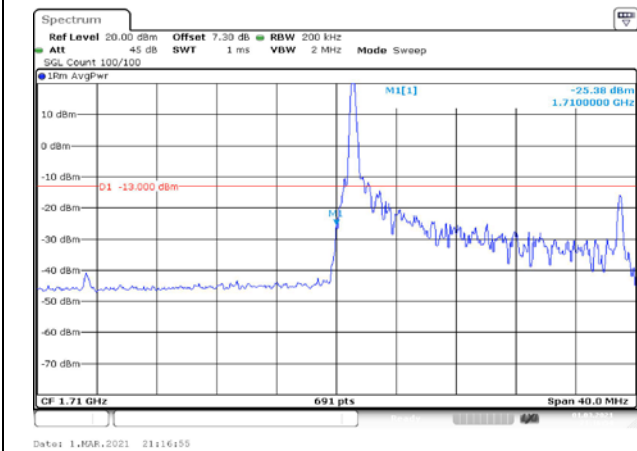


Fig.21

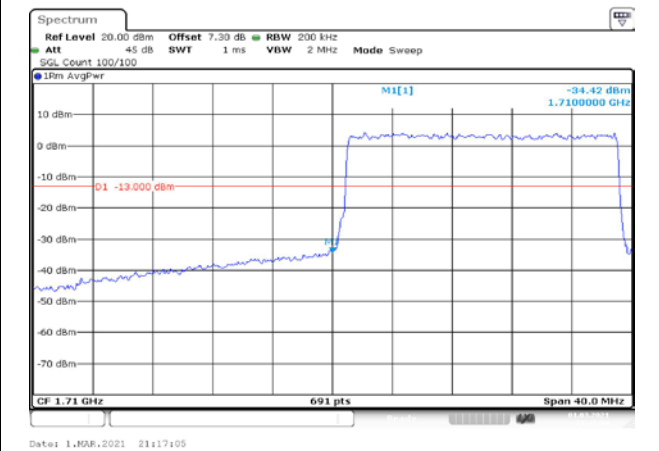


Fig.22

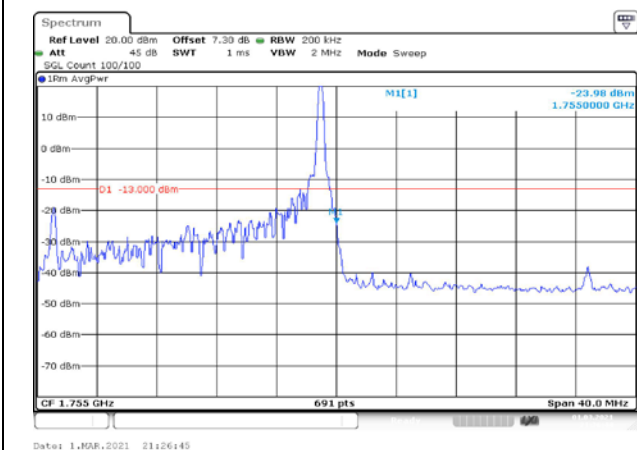


Fig.23

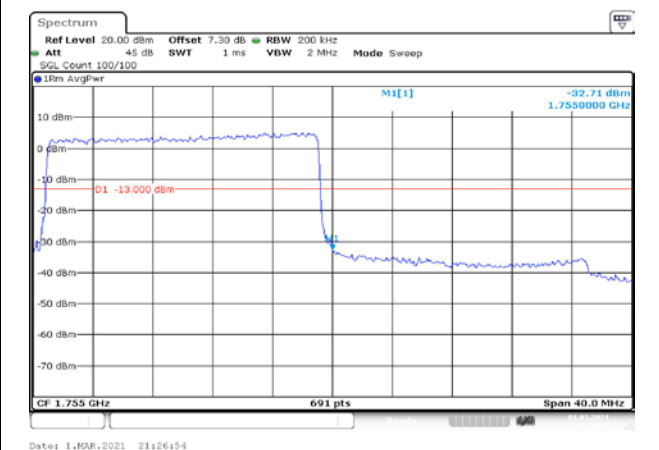


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.004	-0.003	-0.002	-0.021	---	-0.004
0	NV	0.002	0.018	-0.003	0.005	0.007	-0.012
+10	NV	0.012	-0.006	-0.005	0.005	-0.011	-0.006
+20	NV	0.010	-0.003	-0.001	-0.008	---	---
+30	NV	-0.002	0.008	0.002	-0.015	-0.007	-0.014
+40	NV	0.014	0.007	-0.028	-0.017	-0.013	-0.013
+50	NV	0.007	0.013	0.001	-0.013	---	-0.007
+20	LV	-0.013	-0.006	-0.002	-0.001	-0.013	-0.014
+20	HV	0.009	0.000	-0.009	0.002	0.009	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.000	-0.014	-0.004	-0.009	-0.022	-0.005
0	NV	0.006	-0.014	-0.022	-0.010	-0.014	-0.007
+10	NV	0.005	-0.012	-0.013	-0.016	-0.020	-0.001
+20	NV	-0.004	-0.011	-0.003	-0.015	-0.024	-0.015
+30	NV	0.017	-0.014	0.002	-0.015	-0.011	-0.006
+40	NV	0.014	-0.018	-0.002	-0.012	-0.007	-0.014
+50	NV	0.014	-0.003	-0.003	-0.008	-0.016	-0.006
+20	LV	-0.007	-0.001	-0.020	-0.022	-0.017	-0.016
+20	HV	0.003	-0.018	-0.016	-0.013	-0.009	-0.005

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	1710.7	19957	1.4	1	0	23.87	22.87	0.194
				1	3	23.79	22.79	0.190
				1	5	23.81	22.81	0.191
				3	0	23.92	22.92	0.196
				3	1	23.92	22.92	0.196
				3	3	23.91	22.91	0.195
16QAM	1732.5	20175		6	0	22.89	21.89	0.155
				1	0	22.46	21.46	0.140
				1	3	22.48	21.48	0.141
				1	5	22.48	21.48	0.141
				3	0	22.67	21.67	0.147
				3	1	22.65	21.65	0.146
	1754.3	20393		3	3	22.66	21.66	0.147
				6	0	21.91	20.91	0.123
				1	0	22.77	21.77	0.150
				1	3	22.70	21.70	0.148
				1	5	22.78	21.78	0.151
				3	0	22.65	21.65	0.146
			3	1	22.77	21.77	0.150	
			3	3	22.64	21.64	0.146	
			6	0	21.90	20.90	0.123	
			1	0	23.87	22.87	0.194	
			1	3	23.89	22.89	0.195	
			1	5	23.86	22.86	0.193	
			3	0	23.18	22.18	0.165	
			3	1	23.29	22.29	0.169	
			3	3	23.28	22.28	0.169	
			6	0	22.30	21.30	0.135	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	19957	1.4	1	0	21.83	20.83	0.121
				1	3	21.82	20.82	0.121
				1	5	21.91	20.91	0.123
				3	0	22.13	21.13	0.130
				3	1	22.13	21.13	0.130
				3	3	22.13	21.13	0.130
				6	0	22.04	21.04	0.127
	1732.5	20175		1	0	21.84	20.84	0.121
				1	3	21.97	20.97	0.125
				1	5	21.88	20.88	0.122
				3	0	21.91	20.91	0.123
				3	1	21.82	20.82	0.121
				3	3	21.91	20.91	0.123
				6	0	21.90	20.90	0.123
	1754.3	20393		1	0	22.29	21.29	0.135
				1	3	22.37	21.37	0.137
				1	5	22.36	21.36	0.137
				3	0	22.35	21.35	0.136
				3	1	22.35	21.35	0.136
				3	3	22.34	21.34	0.136
				6	0	22.34	21.34	0.136

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	19965	3	1	0	23.88	22.88	0.194
				1	8	23.72	22.72	0.187
				1	14	23.68	22.68	0.185
				8	0	22.91	21.91	0.155
				8	4	23.02	22.02	0.159
				8	7	22.83	21.83	0.152
				15	0	22.84	21.84	0.153
	1732.5	20175		1	0	23.50	22.50	0.178
				1	8	23.58	22.58	0.181
				1	14	23.57	22.57	0.181
				8	0	22.58	21.58	0.144
				8	4	22.51	21.51	0.142
				8	7	22.50	21.50	0.141
				15	0	22.49	21.49	0.141
	1753.5	20385		1	0	24.29	23.29	0.213
				1	8	24.30	23.30	0.214
				1	14	24.29	23.29	0.213
				8	0	23.12	22.12	0.163
				8	4	23.16	22.16	0.164
				8	7	23.16	22.16	0.164
				15	0	23.21	22.21	0.166
16QAM	1711.5	19965	1	0	23.27	22.27	0.169	
			1	8	23.27	22.27	0.169	
			1	14	23.27	22.27	0.169	
			8	0	22.17	21.17	0.131	
			8	4	22.19	21.19	0.132	
			8	7	22.24	21.24	0.133	
			15	0	21.95	20.95	0.124	
	1732.5	20175	1	0	23.43	22.43	0.175	
			1	8	23.41	22.41	0.174	
			1	14	23.30	22.30	0.170	
			8	0	21.72	20.72	0.118	
			8	4	21.77	20.77	0.119	
			8	7	21.69	20.69	0.117	
			15	0	21.57	20.57	0.114	
	1753.5	20385	1	0	22.95	21.95	0.157	
			1	8	23.02	22.02	0.159	
			1	14	23.02	22.02	0.159	
			8	0	22.45	21.45	0.140	
			8	4	22.52	21.52	0.142	
			8	7	22.48	21.48	0.141	
			15	0	22.32	21.32	0.136	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1711.5	19965	3	1	0	22.07	21.07	0.128
				1	8	21.97	20.97	0.125
				1	14	21.94	20.94	0.124
				8	0	21.94	20.94	0.124
				8	4	21.94	20.94	0.124
				8	7	21.94	20.94	0.124
				15	0	21.94	20.94	0.124
	1732.5	20175		1	0	21.57	20.57	0.114
				1	8	21.57	20.57	0.114
				1	14	21.58	20.58	0.114
				8	0	21.58	20.58	0.114
				8	4	21.62	20.62	0.115
				8	7	21.58	20.58	0.114
				15	0	21.58	20.58	0.114
	1753.5	20385		1	0	22.32	21.32	0.136
				1	8	22.32	21.32	0.136
				1	14	22.32	21.32	0.136
				8	0	22.32	21.32	0.136
				8	4	22.32	21.32	0.136
				8	7	22.53	21.53	0.142
				15	0	22.32	21.32	0.136

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	23.88	22.88	0.194
				1	12	23.83	22.83	0.192
				1	24	23.72	22.72	0.187
				12	0	22.86	21.86	0.153
				12	7	22.89	21.89	0.155
				12	13	22.89	21.89	0.155
	25	0		22.87	21.87	0.154		
	1	0		23.54	22.54	0.179		
	1	12		23.61	22.61	0.182		
	1	24		23.66	22.66	0.185		
	12	0		22.64	21.64	0.146		
	12	7		22.49	21.49	0.141		
	12	13		22.60	21.60	0.145		
	25	0		22.57	21.57	0.144		
	1	0		24.10	23.10	0.204		
	1	12		24.05	23.05	0.202		
	1	24		24.05	23.05	0.202		
	16QAM	1712.5		19975	5	12	0	23.26
12			7			23.23	22.23	0.167
12			13			23.23	22.23	0.167
25			0			23.19	22.19	0.166
1			0			22.11	21.11	0.129
1			12			22.05	21.05	0.127
1		24	22.05	21.05		0.127		
12		0	21.90	20.90		0.123		
12		7	21.92	20.92		0.124		
12		13	21.86	20.86		0.122		
25		0	21.99	20.99		0.126		
1		0	22.45	21.45		0.140		
1		12	22.49	21.49		0.141		
1		24	22.61	21.61		0.145		
12		0	21.57	20.57		0.114		
12		7	21.47	20.47		0.111		
12		13	21.42	20.42		0.110		
25		0	21.51	20.51		0.112		
1752.5	20375	5	1	0	22.78	21.78	0.151	
			1	12	22.84	21.84	0.153	
			1	24	22.83	21.83	0.152	
			12	0	22.03	21.03	0.127	
			12	7	22.07	21.07	0.128	
			12	13	22.28	21.28	0.134	
			25	0	22.31	21.31	0.135	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	19975	5	1	0	21.98	20.98	0.125
				1	12	21.99	20.99	0.126
				1	24	22.07	21.07	0.128
				12	0	21.99	20.99	0.126
				12	7	21.98	20.98	0.125
				12	13	21.99	20.99	0.126
				25	0	21.99	20.99	0.126
	1732.5	20175		1	0	21.52	20.52	0.113
				1	12	21.55	20.55	0.114
				1	24	21.63	20.63	0.116
				12	0	21.63	20.63	0.116
				12	7	21.63	20.63	0.116
				12	13	21.63	20.63	0.116
				25	0	21.64	20.64	0.116
	1752.5	20375		1	0	22.31	21.31	0.135
				1	12	22.31	21.31	0.135
				1	24	22.31	21.31	0.135
				12	0	22.30	21.30	0.135
				12	7	22.34	21.34	0.136
				12	13	22.30	21.30	0.135
				25	0	22.30	21.30	0.135

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	20000	10	1	0	23.77	22.77	0.189
				1	25	23.72	22.72	0.187
				1	49	23.70	22.70	0.186
				25	0	22.84	21.84	0.153
				25	12	22.84	21.84	0.153
				25	25	22.83	21.83	0.152
	50	0		22.79	21.79	0.151		
	1	0		23.67	22.67	0.185		
	1	25		23.76	22.76	0.189		
	1	49		23.74	22.74	0.188		
	25	0		22.44	21.44	0.139		
	25	12		22.62	21.62	0.145		
	25	25		22.62	21.62	0.145		
	50	0		22.54	21.54	0.143		
	1	0		24.17	23.17	0.207		
	1	25		24.37	23.37	0.217		
	1	49		24.36	23.36	0.217		
	16QAM	1715		20000	10	1	0	23.08
1			25			22.90	21.90	0.155
1			49			22.90	21.90	0.155
25			0			21.90	20.90	0.123
25			12			21.88	20.88	0.122
25			25			21.88	20.88	0.122
50		0	21.78	20.78		0.120		
1		0	22.76	21.76		0.150		
1		25	22.80	21.80		0.151		
1		49	22.80	21.80		0.151		
25		0	21.75	20.75		0.119		
25		12	21.75	20.75		0.119		
25		25	21.75	20.75		0.119		
50		0	21.72	20.72		0.118		
1		0	22.63	21.63		0.146		
1		25	22.85	21.85		0.153		
1		49	22.86	21.86		0.153		
1750		20350	20350	10		25	0	21.98
	25				12	22.35	21.35	0.136
	25				25	22.35	21.35	0.136
	50				0	22.19	21.19	0.132

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1715	20000	10	1	0	21.83	20.83	0.121
				1	25	21.83	20.83	0.121
				1	49	21.79	20.79	0.120
				25	0	21.78	20.78	0.120
				25	12	21.83	20.83	0.121
				25	25	21.86	20.86	0.122
				50	0	21.87	20.87	0.122
	1732.5	20175		1	0	21.72	20.72	0.118
				1	25	21.72	20.72	0.118
				1	49	21.71	20.71	0.118
				25	0	21.72	20.72	0.118
				25	12	21.72	20.72	0.118
				25	25	21.71	20.71	0.118
				50	0	21.71	20.71	0.118
	1750	20350		1	0	22.01	21.01	0.126
				1	25	22.19	21.19	0.132
				1	49	22.19	21.19	0.132
				25	0	22.27	21.27	0.134
				25	12	22.18	21.18	0.131
				25	25	22.19	21.19	0.132
				50	0	22.18	21.18	0.131

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	20025	15	1	0	23.86	22.86	0.193
				1	37	23.51	22.51	0.178
				1	74	23.50	22.50	0.178
				36	0	22.78	21.78	0.151
				36	29	22.72	21.72	0.149
				36	30	22.71	21.71	0.148
	75	0		22.78	21.78	0.151		
	1	0		23.73	22.73	0.187		
	1	37		23.86	22.86	0.193		
	1	74		23.70	22.70	0.186		
	36	0		22.54	21.54	0.143		
	36	29		22.65	21.65	0.146		
	36	30		22.66	21.66	0.147		
	75	0		22.64	21.64	0.146		
	1	0		23.88	22.88	0.194		
	1	37		24.23	23.23	0.210		
	1	74		24.24	23.24	0.211		
	16QAM	1717.5		20025	15	36	0	23.04
36			29			23.28	22.28	0.169
36			30			23.28	22.28	0.169
75			0			22.88	21.88	0.154
1			0			23.10	22.10	0.162
1			37			22.81	21.81	0.152
1		74	22.80	21.80		0.151		
36		0	21.87	20.87		0.122		
36		29	21.72	20.72		0.118		
36		30	21.73	20.73		0.118		
75		0	21.85	20.85		0.122		
1		0	22.76	21.76		0.150		
1		37	22.89	21.89		0.155		
1		74	22.89	21.89		0.155		
36		0	21.85	20.85		0.122		
36		29	21.68	20.68		0.117		
36		30	21.86	20.86		0.122		
75		0	21.72	20.72		0.118		
1	0	23.24	22.24	0.167				
1	37	23.55	22.55	0.180				
1	74	23.55	22.55	0.180				
1747.5	20325	20325	15	36	0	22.03	21.03	0.127
				36	29	22.33	21.33	0.136
				36	30	22.33	21.33	0.136
				75	0	21.88	20.88	0.122

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1717.5	20025	15	1	0	21.85	20.85	0.122
				1	37	21.85	20.85	0.122
				1	74	21.85	20.85	0.122
				36	0	21.85	20.85	0.122
				36	29	21.86	20.86	0.122
				36	30	21.86	20.86	0.122
				75	0	21.86	20.86	0.122
	1732.5	20175		1	0	21.73	20.73	0.118
				1	37	21.73	20.73	0.118
				1	74	21.77	20.77	0.119
				36	0	21.73	20.73	0.118
				36	29	21.87	20.87	0.122
				36	30	21.87	20.87	0.122
				75	0	21.78	20.78	0.120
	1747.5	20325		1	0	21.88	20.88	0.122
				1	37	21.88	20.88	0.122
				1	74	21.87	20.87	0.122
				36	0	21.88	20.88	0.122
				36	29	21.88	20.88	0.122
				36	30	21.88	20.88	0.122
				75	0	21.88	20.88	0.122

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	23.97	22.97	0.198
				1	49	23.62	22.62	0.183
				1	99	23.72	22.72	0.187
				50	0	22.79	21.79	0.151
				50	24	22.63	21.63	0.146
				50	50	22.63	21.63	0.146
	100	0		22.69	21.69	0.148		
	1	0		23.75	22.75	0.188		
	1	49		23.95	22.95	0.197		
	1	99		23.94	22.94	0.197		
	50	0		22.67	21.67	0.147		
	50	24		22.71	21.71	0.148		
	50	50		22.71	21.71	0.148		
	100	0		22.50	21.50	0.141		
	1	0		23.72	22.72	0.187		
	1	49		24.31	23.31	0.214		
	1	99		24.32	23.32	0.215		
	50	0		22.85	21.85	0.153		
50	24	23.00	22.00	0.158				
50	50	23.01	22.01	0.159				
100	0	23.06	22.06	0.161				
16QAM	1720	20050	1	0	22.93	21.93	0.156	
			1	49	22.67	21.67	0.147	
			1	99	22.66	21.66	0.147	
			50	0	21.91	20.91	0.123	
			50	24	21.74	20.74	0.119	
			50	50	21.75	20.75	0.119	
	100	0	21.76	20.76	0.119			
	1	0	23.19	22.19	0.166			
	1	49	23.33	22.33	0.171			
	1	99	23.33	22.33	0.171			
	50	0	21.83	20.83	0.121			
	50	24	21.87	20.87	0.122			
	50	50	21.88	20.88	0.122			
	100	0	21.64	20.64	0.116			
	1	0	23.38	22.38	0.173			
	1	49	23.83	22.83	0.192			
	1	99	23.83	22.83	0.192			
	50	0	21.94	20.94	0.124			
50	24	22.11	21.11	0.129				
50	50	22.11	21.11	0.129				
100	0	22.21	21.21	0.132				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	20050	20	1	0	21.76	20.76	0.119
				1	49	21.76	20.76	0.119
				1	99	21.76	20.76	0.119
				50	0	21.76	20.76	0.119
				50	24	21.77	20.77	0.119
				50	50	21.76	20.76	0.119
				100	0	21.77	20.77	0.119
	1732.5	20175		1	0	21.64	20.64	0.116
				1	49	21.64	20.64	0.116
				1	99	21.64	20.64	0.116
				50	0	21.64	20.64	0.116
				50	24	21.64	20.64	0.116
				50	50	21.64	20.64	0.116
				100	0	21.64	20.64	0.116
	1745	20300		1	0	22.22	21.22	0.132
				1	49	22.21	21.21	0.132
				1	99	22.22	21.22	0.132
				50	0	22.22	21.22	0.132
				50	24	22.21	21.21	0.132
				50	50	22.21	21.21	0.132
				100	0	22.21	21.21	0.132