

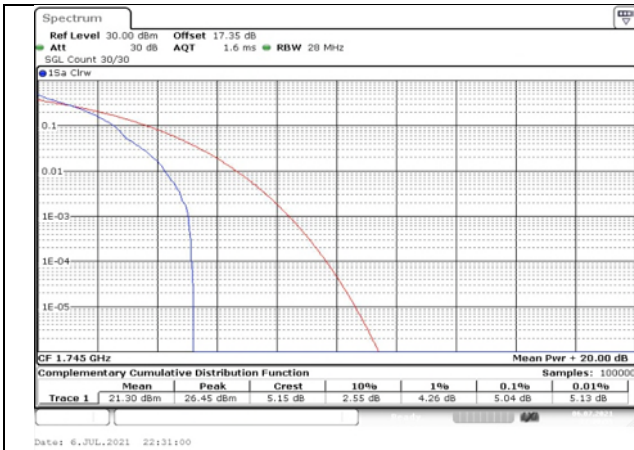


Fig.103

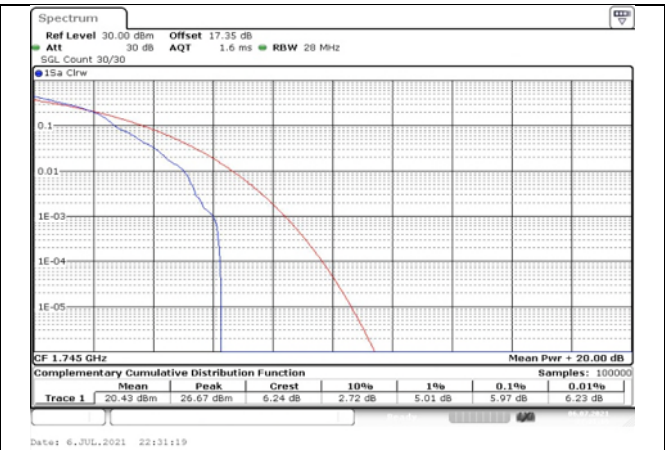


Fig.104

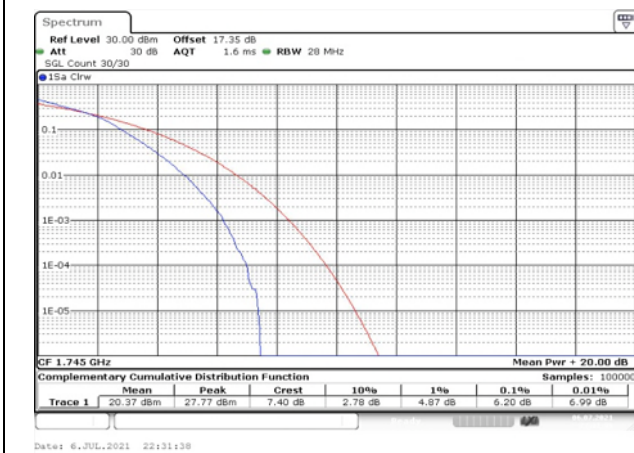


Fig.105

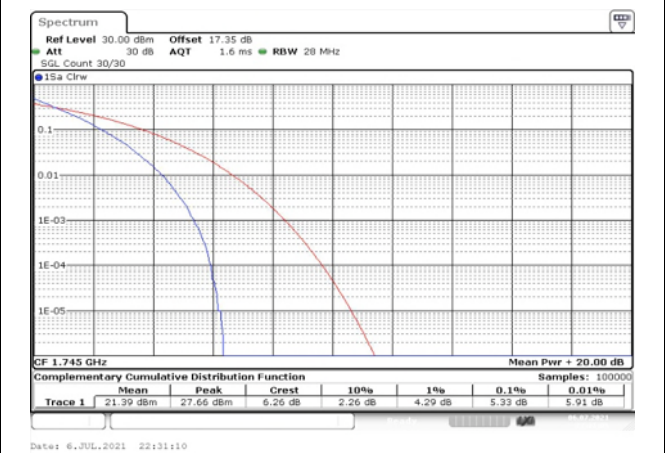


Fig.106

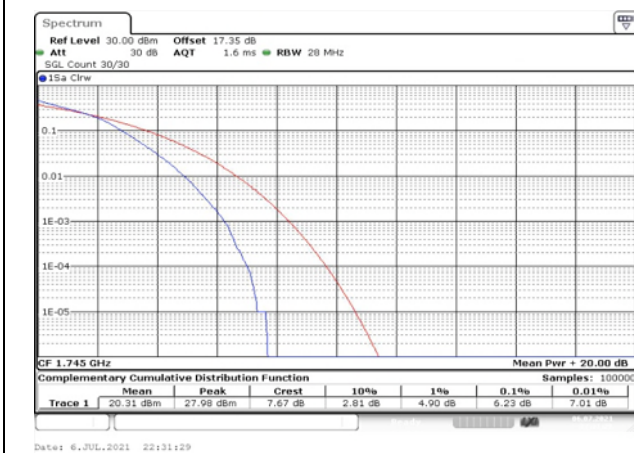


Fig.107

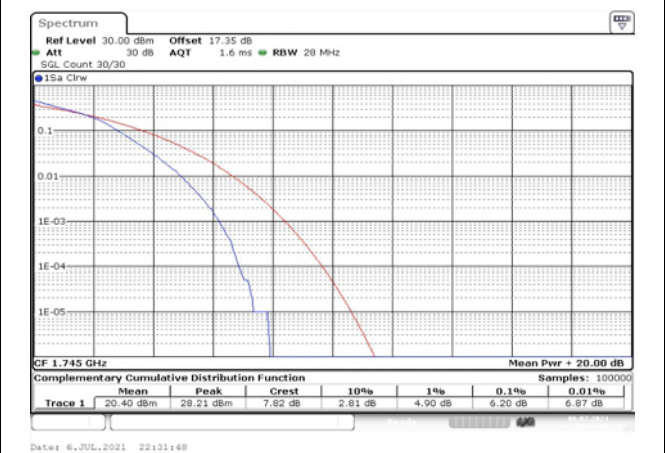


Fig.108

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

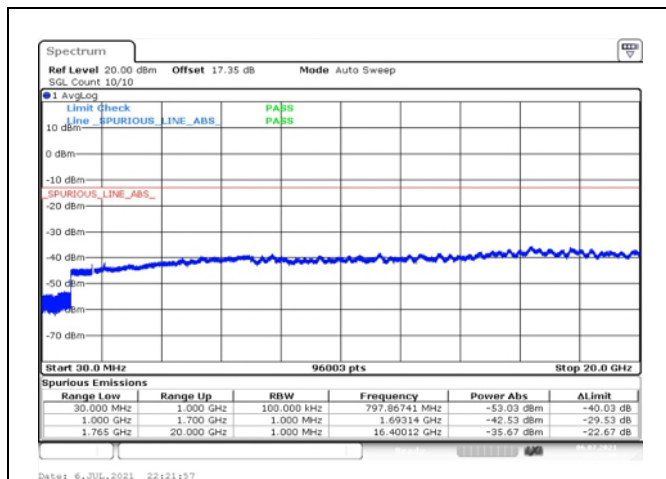


Fig.1

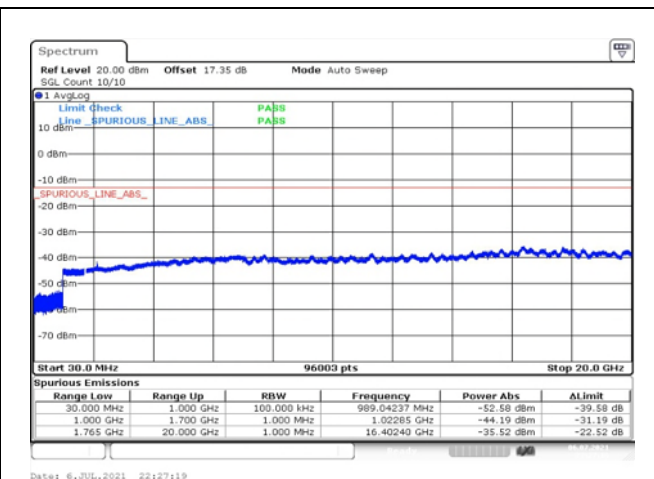


Fig.2

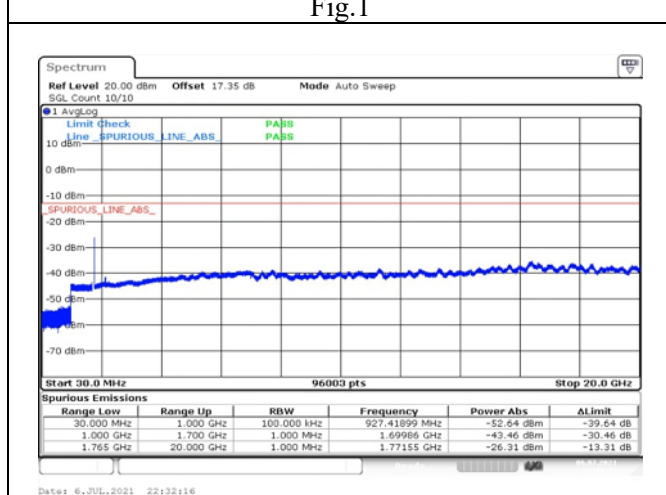


Fig.3

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

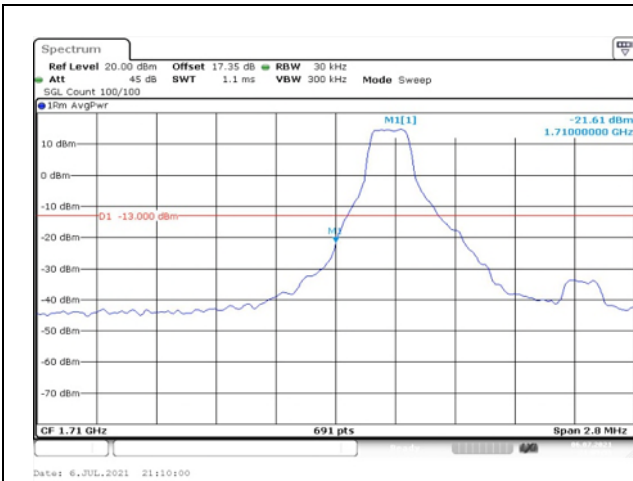


Fig.1

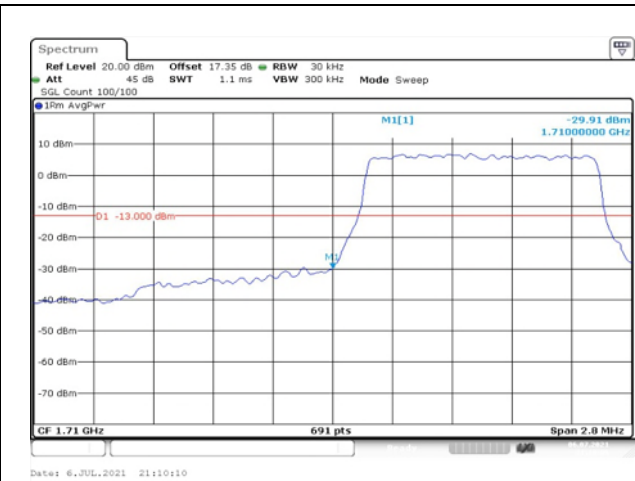


Fig.2

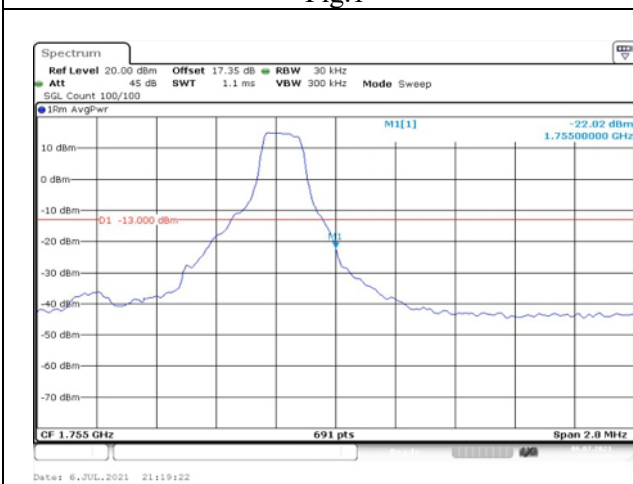


Fig.3

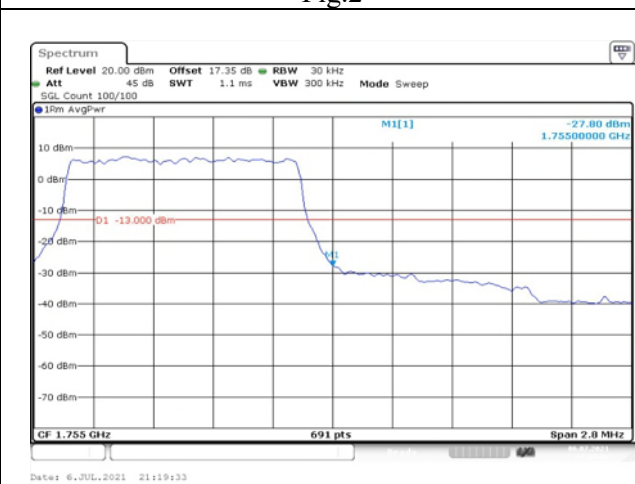


Fig.4

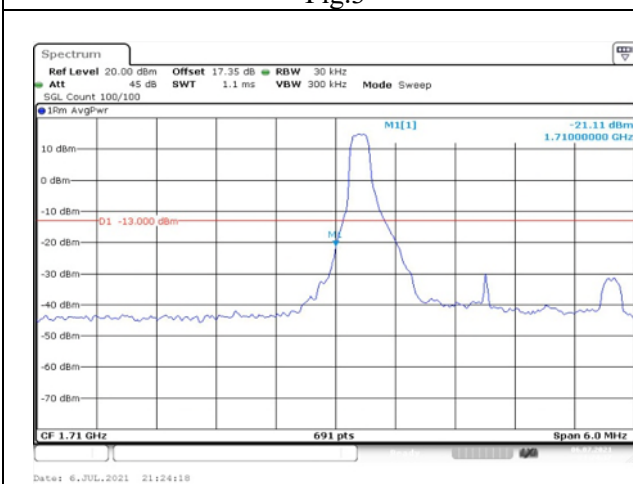


Fig.5

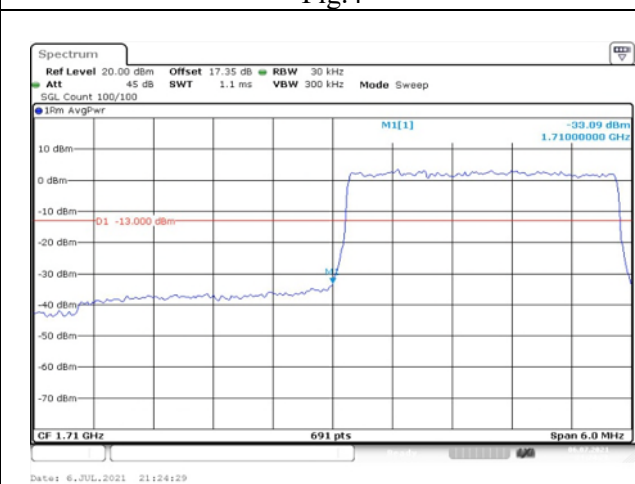


Fig.6

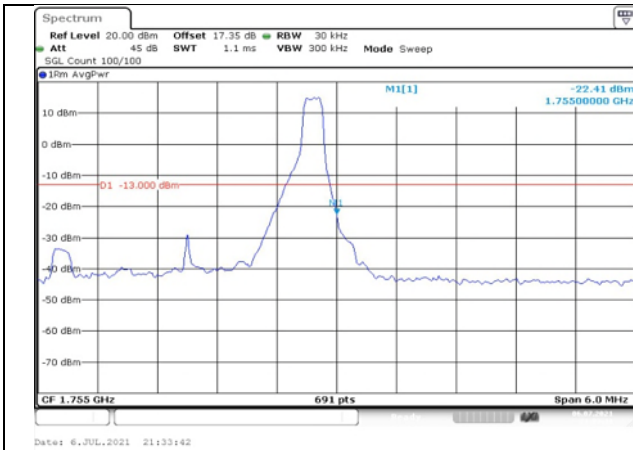


Fig.7

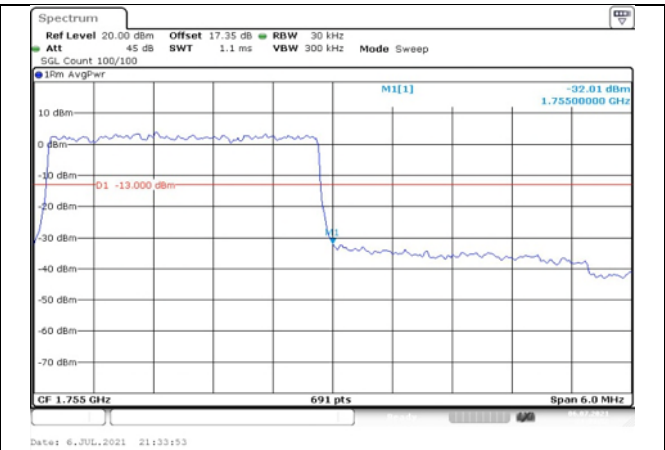


Fig.8

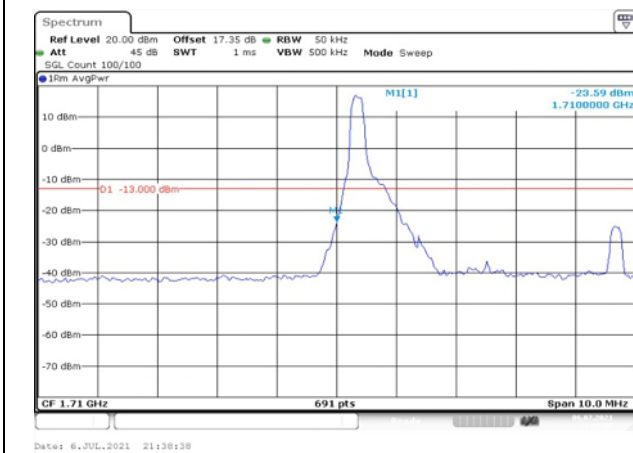


Fig.9

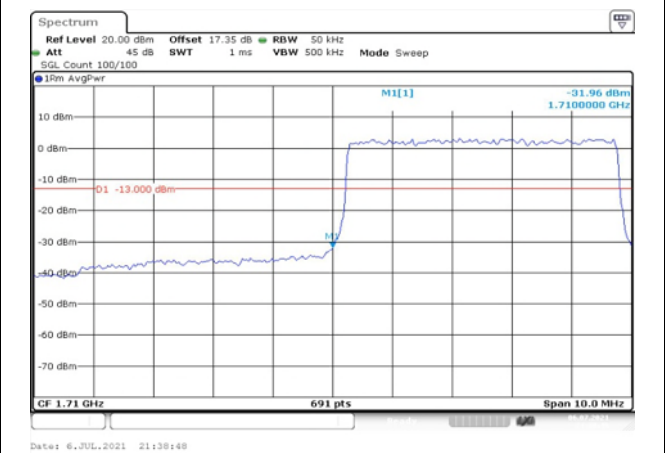


Fig.10

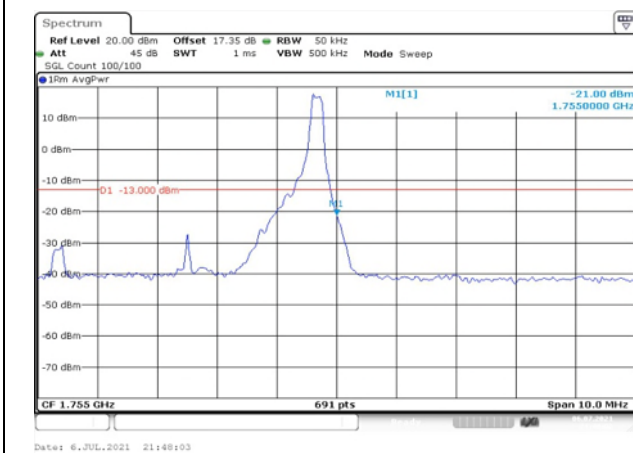


Fig.11

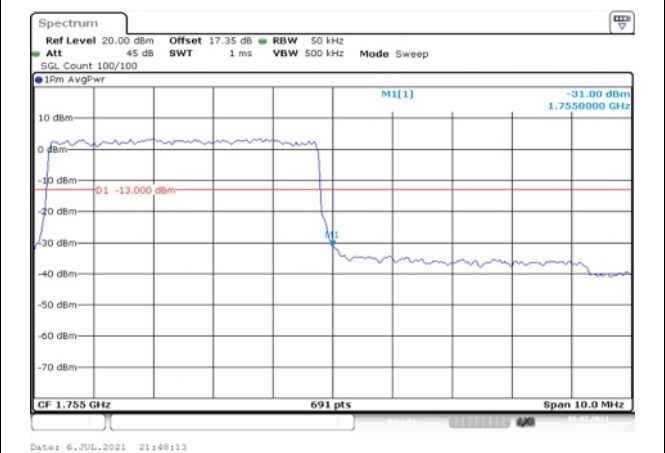


Fig.12

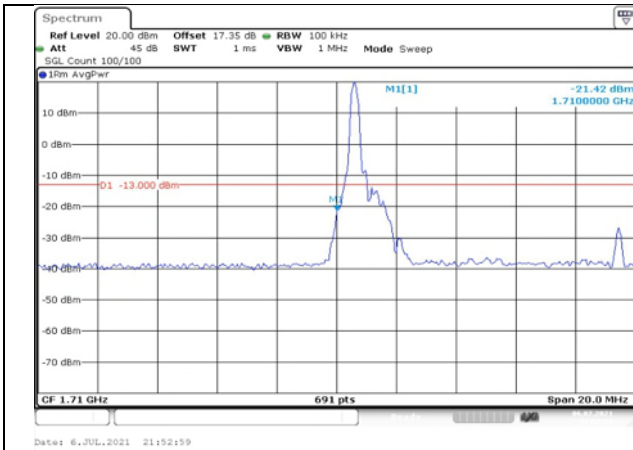


Fig.13

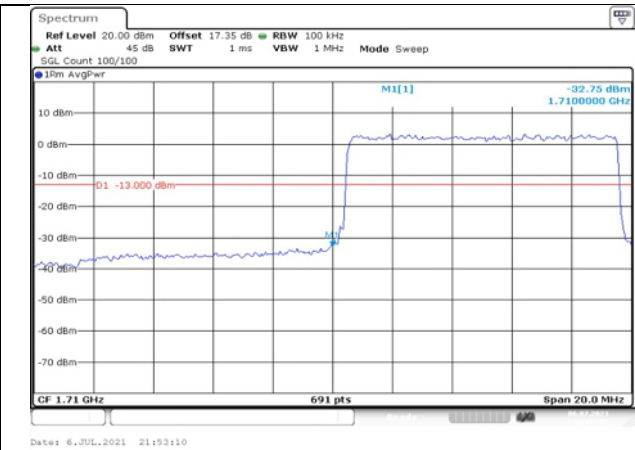


Fig.14

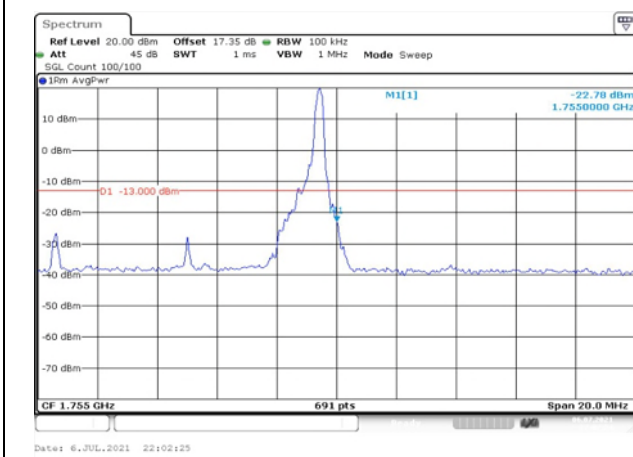


Fig.15

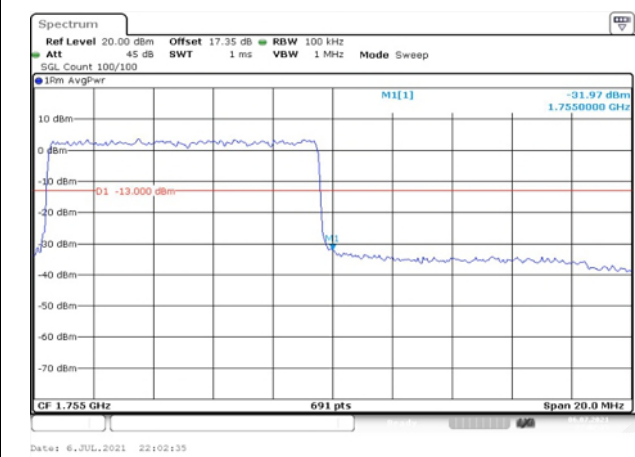


Fig.16

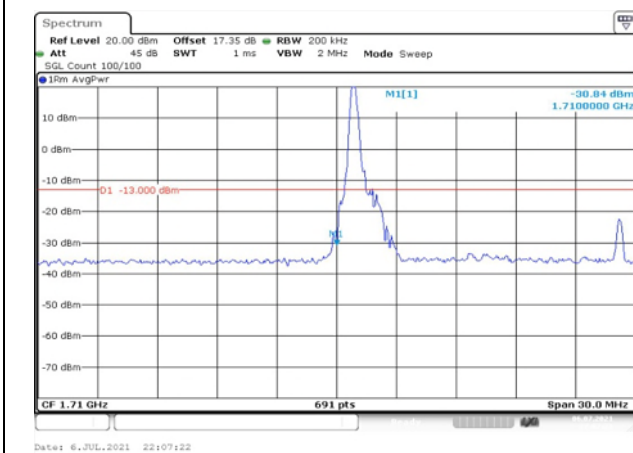


Fig.17

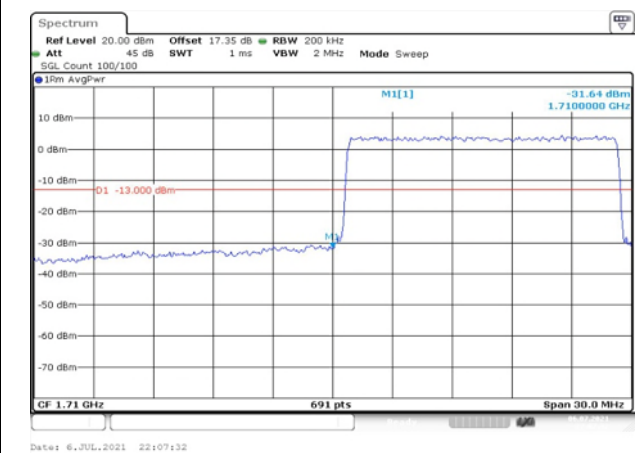


Fig.18

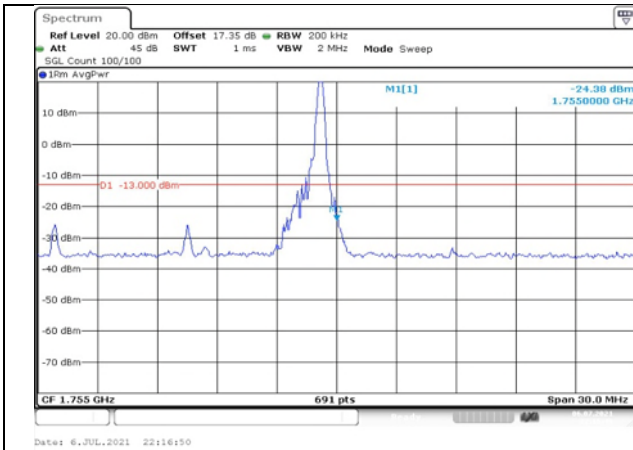


Fig.19

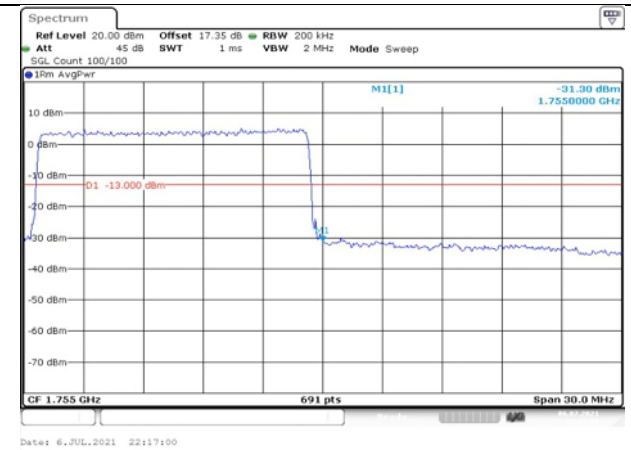


Fig.20

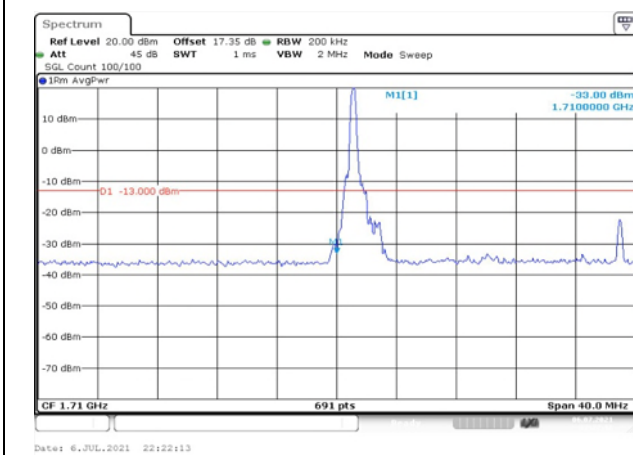


Fig.21

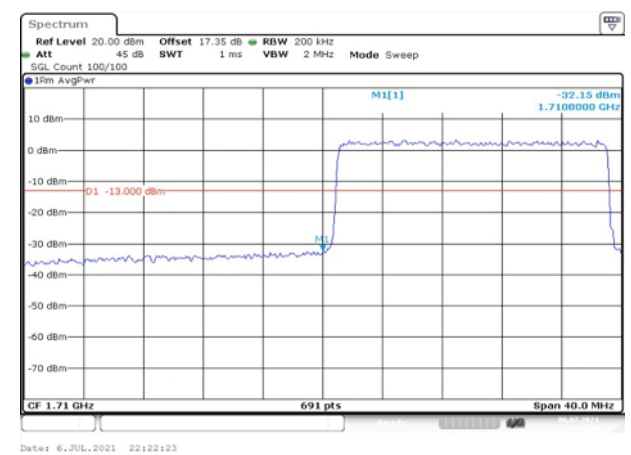


Fig.22

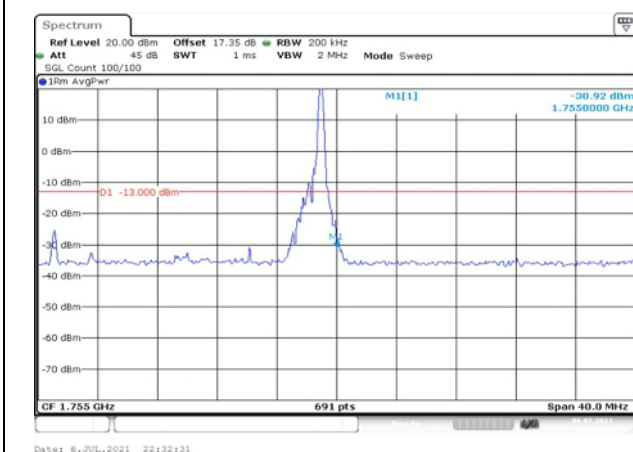


Fig.23

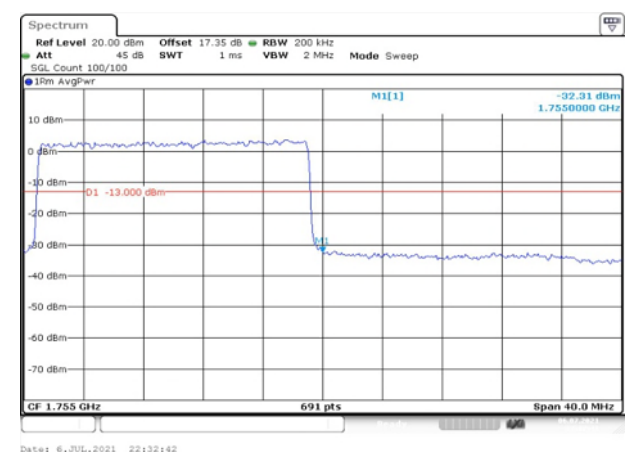


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	-0.005	0.001	-0.003	-0.003	-0.002	-0.003
+10	NV	0.001	-0.001	0.000	-0.003	-0.002	-0.002
+20	NV	-0.012	0.000	0.004	0.001	0.000	-0.012
+30	NV	-0.011	-0.008	-0.007	-0.008	-0.009	-0.008
+40	NV	-0.013	-0.009	-0.004	0.003	-0.008	0.002
+55	NV	-0.016	-0.004	-0.006	0.001	-0.014	-0.007
+20	LV	-0.005	-0.006	-0.003	0.000	0.000	-0.010
+20	HV	---	-0.003	-0.004	-0.001	-0.008	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	-0.008	-0.001	-0.005	0.000	-0.004	-0.003
+10	NV	-0.002	-0.002	-0.003	-0.001	-0.004	-0.001
+20	NV	-0.013	0.001	-0.011	-0.004	-0.011	0.002
+30	NV	-0.008	0.000	0.000	-0.007	-0.008	-0.007
+40	NV	0.002	-0.006	-0.004	0.002	-0.007	0.000
+55	NV	-0.006	0.005	-0.015	-0.005	0.001	0.000
+20	LV	0.004	-0.004	0.002	-0.008	0.001	0.003
+20	HV	---	-0.005	-0.009	0.000	0.003	0.004

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	23.72	22.22	0.167	
				1	3	23.19	21.69	0.148	
				1	5	23.22	21.72	0.149	
				3	0	23.31	21.81	0.152	
				3	1	23.26	21.76	0.150	
				3	3	23.41	21.91	0.155	
	6	0		22.35	20.85	0.122			
	1732.5	20175		1	0	23.29	21.79	0.151	
				1	3	23.40	21.90	0.155	
				1	5	23.34	21.84	0.153	
				3	0	23.37	21.87	0.154	
				3	1	23.32	21.82	0.152	
				3	3	23.37	21.87	0.154	
	6	0		22.40	20.90	0.123			
	1754.3	20393		1	0	23.41	21.91	0.155	
				1	3	23.45	21.95	0.157	
				1	5	23.44	21.94	0.156	
				3	0	23.57	22.07	0.161	
				3	1	23.58	22.08	0.161	
				3	3	23.59	22.09	0.162	
	6	0		22.57	21.07	0.128			
	16QAM	1710.7		19957	1	0	22.41	20.91	0.123
					1	3	22.36	20.86	0.122
					1	5	22.39	20.89	0.123
3					0	22.50	21.00	0.126	
3					1	22.48	20.98	0.125	
3					3	22.50	21.00	0.126	
6		0		21.32	19.82	0.096			
1732.5		20175		1	0	22.43	20.93	0.124	
				1	3	22.43	20.93	0.124	
				1	5	22.50	21.00	0.126	
				3	0	22.31	20.81	0.121	
				3	1	22.36	20.86	0.122	
				3	3	22.38	20.88	0.122	
6		0		21.52	20.02	0.100			
1754.3		20393		1	0	22.52	21.02	0.126	
				1	3	22.62	21.12	0.129	
				1	5	22.58	21.08	0.128	
				3	0	22.62	21.12	0.129	
				3	1	22.74	21.24	0.133	
				3	3	22.54	21.04	0.127	
6		0		21.45	19.95	0.099			

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	21.35	19.85	0.097
				1	3	21.34	19.84	0.096
				1	5	21.35	19.85	0.097
				3	0	21.37	19.87	0.097
				3	1	21.39	19.89	0.097
				3	3	21.41	19.91	0.098
				6	0	21.31	19.81	0.096
	1732.5	20175		1	0	21.42	19.92	0.098
				1	3	21.42	19.92	0.098
				1	5	21.42	19.92	0.098
				3	0	21.44	19.94	0.099
				3	1	21.44	19.94	0.099
				3	3	21.43	19.93	0.098
				6	0	21.41	19.91	0.098
	1754.3	20393		1	0	21.47	19.97	0.099
				1	3	21.42	19.92	0.098
				1	5	21.46	19.96	0.099
				3	0	21.43	19.93	0.098
				3	1	21.41	19.91	0.098
				3	3	21.44	19.94	0.099
				6	0	21.40	19.90	0.098

Modulation	Carrier frequen cy (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	23.37	21.87	0.154
				1	8	23.28	21.78	0.151
				1	14	23.32	21.82	0.152
				8	0	22.33	20.83	0.121
				8	4	22.30	20.80	0.120
				8	7	22.39	20.89	0.123
				15	0	22.38	20.88	0.122
	1732.5	20175		1	0	23.37	21.87	0.154
				1	8	23.42	21.92	0.156
				1	14	23.39	21.89	0.155
				8	0	22.33	20.83	0.121
				8	4	22.36	20.86	0.122
				8	7	22.35	20.85	0.122
				15	0	22.34	20.84	0.121
	1753.5	20385		1	0	23.49	21.99	0.158
				1	8	23.49	21.99	0.158
				1	14	23.52	22.02	0.159
				8	0	22.55	21.05	0.127
				8	4	22.50	21.00	0.126
				8	7	22.57	21.07	0.128
				15	0	22.55	21.05	0.127
16QAM	1711.5	19965		1	0	22.89	21.39	0.138
				1	8	22.94	21.44	0.139
				1	14	22.97	21.47	0.140
				8	0	21.53	20.03	0.101
				8	4	21.57	20.07	0.102
				8	7	21.50	20.00	0.100
				15	0	21.39	19.89	0.097
	1732.5	20175		1	0	22.48	20.98	0.125
				1	8	22.51	21.01	0.126
				1	14	22.48	20.98	0.125
				8	0	21.42	19.92	0.098
				8	4	21.31	19.81	0.096
				8	7	21.40	19.90	0.098
				15	0	21.33	19.83	0.096
	1753.5	20385		1	0	22.59	21.09	0.129
				1	8	22.62	21.12	0.129
				1	14	22.55	21.05	0.127
				8	0	21.56	20.06	0.101
				8	4	21.50	20.00	0.100
				8	7	21.45	19.95	0.099
				15	0	21.49	19.99	0.100

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	21.38	19.88	0.097
				1	8	21.39	19.89	0.097
				1	14	21.32	19.82	0.096
				8	0	21.36	19.86	0.097
				8	4	21.42	19.92	0.098
				8	7	21.41	19.91	0.098
				15	0	21.43	19.93	0.098
	1732.5	20175		1	0	21.32	19.82	0.096
				1	8	21.30	19.80	0.095
				1	14	21.27	19.77	0.095
				8	0	21.31	19.81	0.096
				8	4	21.36	19.86	0.097
				8	7	21.30	19.80	0.095
				15	0	21.31	19.81	0.096
	1753.5	20385		1	0	21.53	20.03	0.101
				1	8	21.55	20.05	0.101
				1	14	21.53	20.03	0.101
				8	0	21.54	20.04	0.101
				8	4	21.50	20.00	0.100
				8	7	21.56	20.06	0.101
				15	0	21.48	19.98	0.100

Modulation	Carrier frequern cy (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	23.34	21.84	0.153
				1	12	23.27	21.77	0.150
				1	24	23.32	21.82	0.152
				12	0	22.40	20.90	0.123
				12	7	22.43	20.93	0.124
				12	13	22.43	20.93	0.124
				25	0	22.38	20.88	0.122
	1732.5	20175		1	0	23.28	21.78	0.151
				1	12	23.29	21.79	0.151
				1	24	23.25	21.75	0.150
				12	0	22.28	20.78	0.120
				12	7	22.40	20.90	0.123
				12	13	22.40	20.90	0.123
				25	0	22.36	20.86	0.122
	1752.5	20375		1	0	23.43	21.93	0.156
				1	12	23.41	21.91	0.155
				1	24	23.47	21.97	0.157
				12	0	22.48	20.98	0.125
				12	7	22.55	21.05	0.127
				12	13	22.50	21.00	0.126
				25	0	22.49	20.99	0.126
16QAM	1712.5	19975	1	0	22.28	20.78	0.120	
			1	12	22.25	20.75	0.119	
			1	24	22.31	20.81	0.121	
			12	0	21.35	19.85	0.097	
			12	7	21.36	19.86	0.097	
			12	13	21.41	19.91	0.098	
			25	0	21.43	19.93	0.098	
	1732.5	20175	1	0	22.59	21.09	0.129	
			1	12	22.51	21.01	0.126	
			1	24	22.54	21.04	0.127	
			12	0	21.39	19.89	0.097	
			12	7	21.40	19.90	0.098	
			12	13	21.35	19.85	0.097	
			25	0	21.38	19.88	0.097	
	1752.5	20375	1	0	22.50	21.00	0.126	
			1	12	22.57	21.07	0.128	
			1	24	22.48	20.98	0.125	
			12	0	21.45	19.95	0.099	
			12	7	21.42	19.92	0.098	
			12	13	21.43	19.93	0.098	
			25	0	21.51	20.01	0.100	

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	21.42	19.92	0.098
				1	12	21.44	19.94	0.099
				1	24	21.46	19.96	0.099
				12	0	21.39	19.89	0.097
				12	7	21.44	19.94	0.099
				12	13	21.41	19.91	0.098
				25	0	21.37	19.87	0.097
	1732.5	20175		1	0	21.35	19.85	0.097
				1	12	21.31	19.81	0.096
				1	24	21.32	19.82	0.096
				12	0	21.37	19.87	0.097
				12	7	21.37	19.87	0.097
				12	13	21.39	19.89	0.097
				25	0	21.36	19.86	0.097
	1752.5	20375		1	0	21.50	20.00	0.100
				1	12	21.57	20.07	0.102
				1	24	21.51	20.01	0.100
				12	0	21.51	20.01	0.100
				12	7	21.49	19.99	0.100
				12	13	21.56	20.06	0.101
				25	0	21.53	20.03	0.101

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	23.34	21.84	0.153
				1	25	23.29	21.79	0.151
				1	49	23.27	21.77	0.150
				25	0	22.43	20.93	0.124
				25	12	22.43	20.93	0.124
				25	25	22.39	20.89	0.123
				50	0	22.42	20.92	0.124
	1732.5	20175		1	0	23.39	21.89	0.155
				1	25	23.40	21.90	0.155
				1	49	23.43	21.93	0.156
				25	0	22.42	20.92	0.124
				25	12	22.41	20.91	0.123
				25	25	22.49	20.99	0.126
				50	0	22.45	20.95	0.124
	1750	20350		1	0	23.39	21.89	0.155
				1	25	23.48	21.98	0.158
				1	49	23.43	21.93	0.156
				25	0	22.57	21.07	0.128
				25	12	22.53	21.03	0.127
				25	25	22.50	21.00	0.126
				50	0	22.59	21.09	0.129
16QAM	1715	20000	1	0	23.04	21.54	0.143	
			1	25	22.93	21.43	0.139	
			1	49	22.91	21.41	0.138	
			25	0	21.44	19.94	0.099	
			25	12	21.46	19.96	0.099	
			25	25	21.44	19.94	0.099	
			50	0	21.36	19.86	0.097	
	1732.5	20175	1	0	22.53	21.03	0.127	
			1	25	22.52	21.02	0.126	
			1	49	22.53	21.03	0.127	
			25	0	21.43	19.93	0.098	
			25	12	21.43	19.93	0.098	
			25	25	21.45	19.95	0.099	
			50	0	21.47	19.97	0.099	
	1750	20350	1	0	22.57	21.07	0.128	
			1	25	22.53	21.03	0.127	
			1	49	22.55	21.05	0.127	
			25	0	21.61	20.11	0.103	
			25	12	21.68	20.18	0.104	
			25	25	21.59	20.09	0.102	
			50	0	21.53	20.03	0.101	

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	21.38	19.88	0.097
				1	25	21.36	19.86	0.097
				1	49	21.39	19.89	0.097
				25	0	21.34	19.84	0.096
				25	12	21.38	19.88	0.097
				25	25	21.37	19.87	0.097
				50	0	21.38	19.88	0.097
	1732.5	20175		1	0	21.40	19.90	0.098
				1	25	21.46	19.96	0.099
				1	49	21.41	19.91	0.098
				25	0	21.40	19.90	0.098
				25	12	21.42	19.92	0.098
				25	25	21.42	19.92	0.098
				50	0	21.43	19.93	0.098
	1750	20350		1	0	21.59	20.09	0.102
				1	25	21.58	20.08	0.102
				1	49	21.59	20.09	0.102
				25	0	21.57	20.07	0.102
				25	12	21.52	20.02	0.100
				25	25	21.58	20.08	0.102
				50	0	21.55	20.05	0.101

Modulation	Carrier frequern cy (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	23.27	21.77	0.150
				1	37	23.22	21.72	0.149
				1	74	23.20	21.70	0.148
				36	0	22.41	20.91	0.123
				36	29	22.36	20.86	0.122
				36	30	22.41	20.91	0.123
				75	0	22.46	20.96	0.125
	1732.5	20175		1	0	23.30	21.80	0.151
				1	37	23.27	21.77	0.150
				1	74	23.33	21.83	0.152
				36	0	22.37	20.87	0.122
				36	29	22.41	20.91	0.123
				36	30	22.40	20.90	0.123
				75	0	22.47	20.97	0.125
	1747.5	20325		1	0	23.34	21.84	0.153
				1	37	23.36	21.86	0.153
				1	74	23.47	21.97	0.157
				36	0	22.49	20.99	0.126
				36	29	22.56	21.06	0.128
				36	30	22.57	21.07	0.128
				75	0	22.52	21.02	0.126
16QAM	1717.5	20025	1	0	22.93	21.43	0.139	
			1	37	22.80	21.30	0.135	
			1	74	22.79	21.29	0.135	
			36	0	21.43	19.93	0.098	
			36	29	21.38	19.88	0.097	
			36	30	21.33	19.83	0.096	
			75	0	21.33	19.83	0.096	
	1732.5	20175	1	0	22.43	20.93	0.124	
			1	37	22.45	20.95	0.124	
			1	74	22.49	20.99	0.126	
			36	0	21.37	19.87	0.097	
			36	29	21.39	19.89	0.097	
			36	30	21.40	19.90	0.098	
			75	0	21.40	19.90	0.098	
	1747.5	20325	1	0	22.85	21.35	0.136	
			1	37	22.86	21.36	0.137	
			1	74	22.87	21.37	0.137	
			36	0	21.47	19.97	0.099	
			36	29	21.51	20.01	0.100	
			36	30	21.58	20.08	0.102	
			75	0	21.47	19.97	0.099	

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	21.42	19.92	0.098
				1	37	21.34	19.84	0.096
				1	74	21.35	19.85	0.097
				36	0	21.41	19.91	0.098
				36	29	21.41	19.91	0.098
				36	30	21.39	19.89	0.097
				75	0	21.37	19.87	0.097
	1732.5	20175		1	0	21.46	19.96	0.099
				1	37	21.41	19.91	0.098
				1	74	21.41	19.91	0.098
				36	0	21.42	19.92	0.098
				36	29	21.39	19.89	0.097
				36	30	21.43	19.93	0.098
				75	0	21.40	19.90	0.098
	1747.5	20325		1	0	21.46	19.96	0.099
				1	37	21.53	20.03	0.101
				1	74	21.53	20.03	0.101
				36	0	21.53	20.03	0.101
				36	29	21.51	20.01	0.100
				36	30	21.43	19.93	0.098
				75	0	21.52	20.02	0.100

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	23.15	21.65	0.146
				1	49	23.04	21.54	0.143
				1	99	23.01	21.51	0.142
				50	0	22.36	20.86	0.122
				50	24	22.33	20.83	0.121
				50	50	22.33	20.83	0.121
				100	0	22.40	20.90	0.123
	1732.5	20175		1	0	23.26	21.76	0.150
				1	49	23.15	21.65	0.146
				1	99	23.27	21.77	0.150
				50	0	22.44	20.94	0.124
				50	24	22.39	20.89	0.123
				50	50	22.46	20.96	0.125
				100	0	22.38	20.88	0.122
	1745	20300		1	0	23.17	21.67	0.147
				1	49	23.23	21.73	0.149
				1	99	23.30	21.80	0.151
				50	0	22.42	20.92	0.124
				50	24	22.63	21.13	0.130
				50	50	22.60	21.10	0.129
				100	0	22.48	20.98	0.125
16QAM	1720	20050		1	0	22.48	20.98	0.125
				1	49	22.33	20.83	0.121
				1	99	22.38	20.88	0.122
				50	0	21.37	19.87	0.097
				50	24	21.30	19.80	0.095
				50	50	21.30	19.80	0.095
				100	0	21.35	19.85	0.097
	1732.5	20175		1	0	22.38	20.88	0.122
				1	49	22.45	20.95	0.124
				1	99	22.47	20.97	0.125
				50	0	21.39	19.89	0.097
				50	24	21.36	19.86	0.097
				50	50	21.44	19.94	0.099
				100	0	21.35	19.85	0.097
	1745	20300		1	0	22.70	21.20	0.132
				1	49	22.82	21.32	0.136
				1	99	22.84	21.34	0.136
				50	0	21.38	19.88	0.097
				50	24	21.54	20.04	0.101
				50	50	21.60	20.10	0.102
				100	0	21.49	19.99	0.100

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	21.40	19.90	0.098
				1	49	21.40	19.90	0.098
				1	99	21.36	19.86	0.097
				50	0	21.36	19.86	0.097
				50	24	21.40	19.90	0.098
				50	50	21.35	19.85	0.097
				100	0	21.41	19.91	0.098
	1732.5	20175		1	0	21.43	19.93	0.098
				1	49	21.40	19.90	0.098
				1	99	21.45	19.95	0.099
				50	0	21.44	19.94	0.099
				50	24	21.37	19.87	0.097
				50	50	21.38	19.88	0.097
				100	0	21.39	19.89	0.097
	1745	20300		1	0	21.55	20.05	0.101
				1	49	21.45	19.95	0.099
				1	99	21.47	19.97	0.099
				50	0	21.50	20.00	0.100
				50	24	21.48	19.98	0.100
				50	50	21.46	19.96	0.099
				100	0	21.46	19.96	0.099