

Fig.7

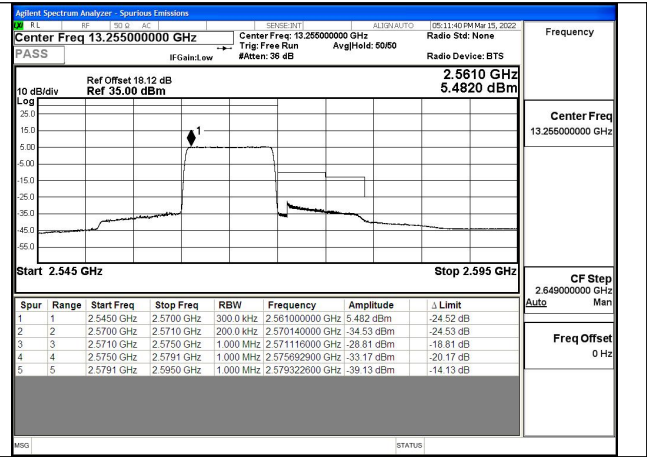


Fig.8

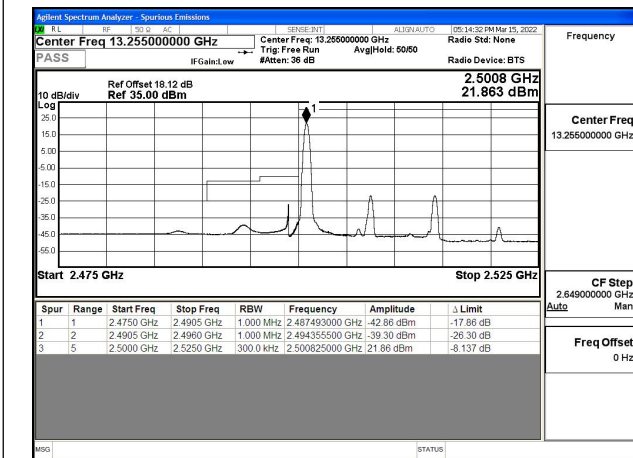


Fig.9

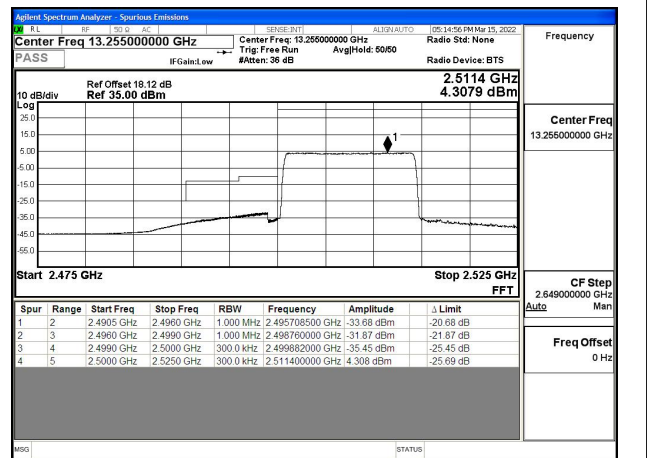


Fig.10

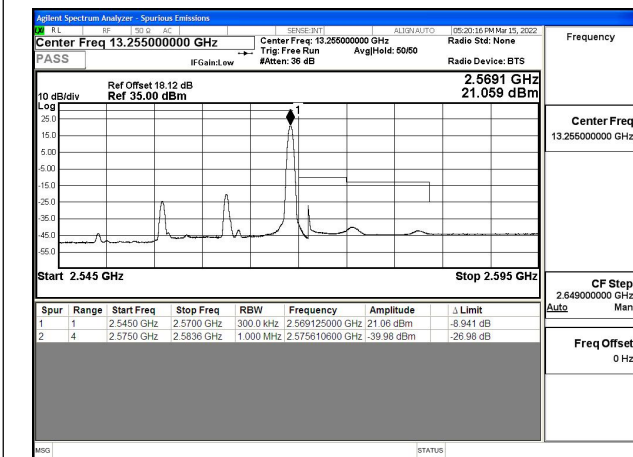


Fig.11

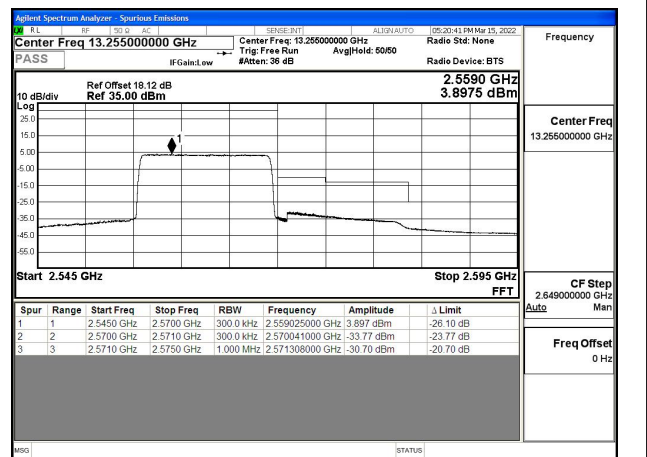


Fig.12

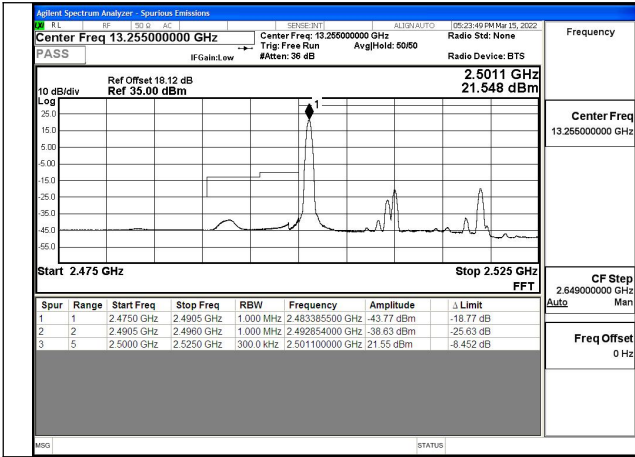


Fig.13

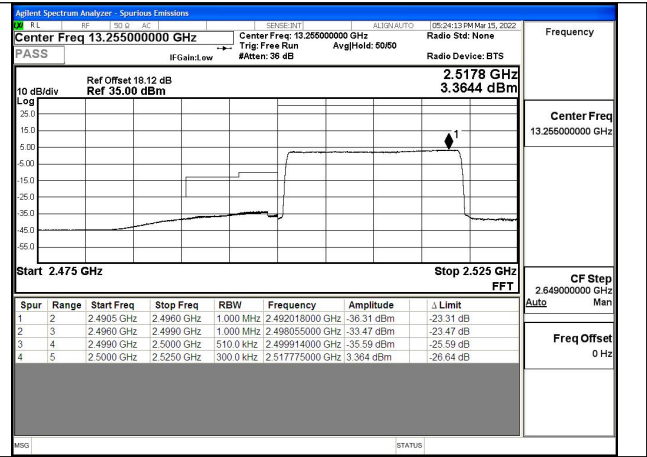


Fig.14

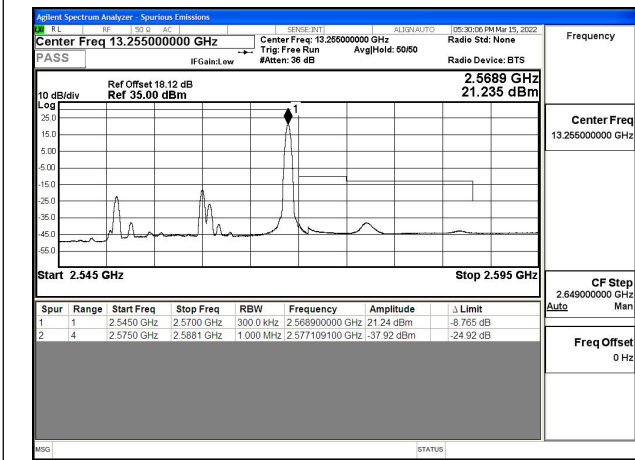


Fig.15

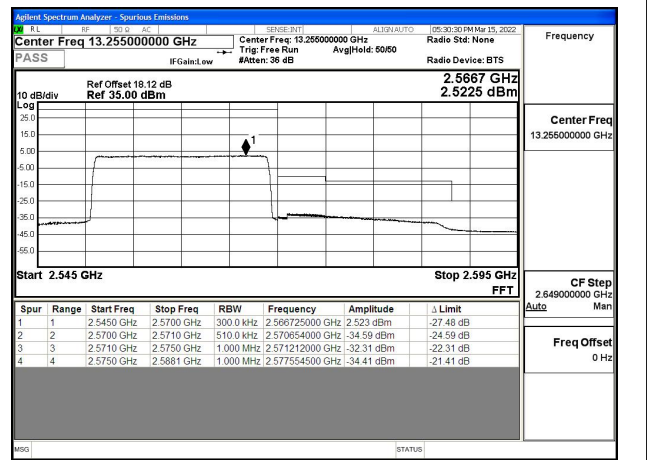


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 7 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.017	-0.003	-0.009	-0.004
0	NV	-0.012	-0.014	0.022	-0.016
+10	NV	-0.023	-0.017	-0.024	-0.018
+20	NV	-0.015	-0.011	-0.018	-0.016
+30	NV	-0.017	-0.009	-0.013	-0.011
+40	NV	-0.003	-0.013	-0.016	-0.011
+50	NV	-0.010	-0.016	-0.016	-0.011
+20	LV	0.016	-0.010	-0.007	-0.016
+20	HV	0.014	0.007	0.014	0.013

Temperature(°C)	Voltage	Test Result (ppm) Band 7 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.019	-0.019	-0.011	-0.014
0	NV	-0.017	-0.011	-0.019	-0.008
+10	NV	-0.014	-0.016	-0.003	-0.014
+20	NV	-0.008	-0.005	-0.021	-0.008
+30	NV	-0.016	-0.003	-0.016	-0.010
+40	NV	-0.019	-0.013	-0.004	-0.019
+50	NV	-0.018	-0.005	0.015	0.006
+20	LV	0.021	0.013	0.013	0.018
+20	HV	0.022	0.018	0.012	0.015

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2502.5	20775	5	1	0	22.85	23.48	0.223
QPSK	2502.5	20775	5	1	12	22.80	23.43	0.220
QPSK	2502.5	20775	5	1	24	22.82	23.45	0.221
QPSK	2502.5	20775	5	12	0	22.12	22.75	0.188
QPSK	2502.5	20775	5	12	7	21.96	22.59	0.182
QPSK	2502.5	20775	5	12	13	22.09	22.72	0.187
QPSK	2502.5	20775	5	25	0	22.00	22.63	0.183
QPSK	2535	21100	5	1	0	23.02	23.65	0.232
QPSK	2535	21100	5	1	12	22.98	23.61	0.230
QPSK	2535	21100	5	1	24	23.02	23.65	0.232
QPSK	2535	21100	5	12	0	21.82	22.45	0.176
QPSK	2535	21100	5	12	7	21.92	22.55	0.180
QPSK	2535	21100	5	12	13	21.90	22.53	0.179
QPSK	2535	21100	5	25	0	21.98	22.61	0.182
QPSK	2567.5	21425	5	1	0	23.28	23.91	0.246
QPSK	2567.5	21425	5	1	12	23.19	23.82	0.241
QPSK	2567.5	21425	5	1	24	23.19	23.82	0.241
QPSK	2567.5	21425	5	12	0	21.95	22.58	0.181
QPSK	2567.5	21425	5	12	7	22.06	22.69	0.186
QPSK	2567.5	21425	5	12	13	21.99	22.62	0.183
QPSK	2567.5	21425	5	25	0	22.08	22.71	0.187

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
16QAM	2502.5	20775	5	1	0	22.36	22.99	0.199
16QAM	2502.5	20775	5	1	12	22.68	23.31	0.214
16QAM	2502.5	20775	5	1	24	22.14	22.77	0.189
16QAM	2502.5	20775	5	12	0	21.10	21.73	0.149
16QAM	2502.5	20775	5	12	7	21.20	21.83	0.152
16QAM	2502.5	20775	5	12	13	21.17	21.80	0.151
16QAM	2502.5	20775	5	25	0	21.40	22.03	0.160
16QAM	2535	21100	5	1	0	22.92	23.55	0.226
16QAM	2535	21100	5	1	12	22.78	23.41	0.219
16QAM	2535	21100	5	1	24	22.46	23.09	0.204
16QAM	2535	21100	5	12	0	21.05	21.68	0.147
16QAM	2535	21100	5	12	7	20.93	21.56	0.143
16QAM	2535	21100	5	12	13	20.91	21.54	0.143
16QAM	2535	21100	5	25	0	20.95	21.58	0.144
16QAM	2567.5	21425	5	1	0	22.58	23.21	0.209
16QAM	2567.5	21425	5	1	12	22.68	23.31	0.214
16QAM	2567.5	21425	5	1	24	22.89	23.52	0.225
16QAM	2567.5	21425	5	12	0	21.04	21.67	0.147
16QAM	2567.5	21425	5	12	7	21.17	21.80	0.151
16QAM	2567.5	21425	5	12	13	21.07	21.70	0.148
16QAM	2567.5	21425	5	25	0	21.10	21.73	0.149
64QAM	2502.5	20775	5	1	0	20.86	21.49	0.141
64QAM	2502.5	20775	5	1	12	21.08	21.71	0.148
64QAM	2502.5	20775	5	1	24	20.71	21.34	0.136
64QAM	2502.5	20775	5	12	0	20.13	20.76	0.119
64QAM	2502.5	20775	5	12	7	20.08	20.71	0.118
64QAM	2502.5	20775	5	12	13	20.19	20.82	0.121
64QAM	2502.5	20775	5	25	0	20.09	20.72	0.118
64QAM	2535	21100	5	1	0	20.80	21.43	0.139
64QAM	2535	21100	5	1	12	20.88	21.51	0.142
64QAM	2535	21100	5	1	24	20.81	21.44	0.139
64QAM	2535	21100	5	12	0	20.54	21.17	0.131
64QAM	2535	21100	5	12	7	20.00	20.63	0.116
64QAM	2535	21100	5	12	13	20.03	20.66	0.116
64QAM	2535	21100	5	25	0	19.87	20.50	0.112
64QAM	2567.5	21425	5	1	0	21.09	21.72	0.149
64QAM	2567.5	21425	5	1	12	20.86	21.49	0.141
64QAM	2567.5	21425	5	1	24	21.10	21.73	0.149
64QAM	2567.5	21425	5	12	0	20.15	20.78	0.120
64QAM	2567.5	21425	5	12	7	20.07	20.70	0.117
64QAM	2567.5	21425	5	12	13	20.07	20.70	0.117
64QAM	2567.5	21425	5	25	0	20.13	20.76	0.119

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2505	20800	10	1	0	23.27	23.90	0.245
QPSK	2505	20800	10	1	25	23.13	23.76	0.238
QPSK	2505	20800	10	1	49	23.37	24.00	0.251
QPSK	2505	20800	10	25	0	21.89	22.52	0.179
QPSK	2505	20800	10	25	12	21.97	22.60	0.182
QPSK	2505	20800	10	25	25	21.99	22.62	0.183
QPSK	2505	20800	10	50	0	22.16	22.79	0.190
QPSK	2535	21100	10	1	0	23.12	23.75	0.237
QPSK	2535	21100	10	1	25	23.27	23.90	0.245
QPSK	2535	21100	10	1	49	23.17	23.80	0.240
QPSK	2535	21100	10	25	0	21.84	22.47	0.177
QPSK	2535	21100	10	25	12	21.89	22.52	0.179
QPSK	2535	21100	10	25	25	21.92	22.55	0.180
QPSK	2535	21100	10	50	0	21.92	22.55	0.180
QPSK	2565	21400	10	1	0	22.98	23.61	0.230
QPSK	2565	21400	10	1	25	23.02	23.65	0.232
QPSK	2565	21400	10	1	49	22.94	23.57	0.228
QPSK	2565	21400	10	25	0	21.97	22.60	0.182
QPSK	2565	21400	10	25	12	21.96	22.59	0.182
QPSK	2565	21400	10	25	25	21.97	22.60	0.182
QPSK	2565	21400	10	50	0	21.98	22.61	0.182

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2505	20800	10	1	0	22.49	23.12	0.205
16QAM	2505	20800	10	1	25	22.35	22.98	0.199
16QAM	2505	20800	10	1	49	22.13	22.76	0.189
16QAM	2505	20800	10	25	0	21.32	21.95	0.157
16QAM	2505	20800	10	25	12	21.30	21.93	0.156
16QAM	2505	20800	10	25	25	21.06	21.69	0.148
16QAM	2505	20800	10	50	0	21.07	21.70	0.148
16QAM	2535	21100	10	1	0	22.40	23.03	0.201
16QAM	2535	21100	10	1	25	22.78	23.41	0.219
16QAM	2535	21100	10	1	49	22.77	23.40	0.219
16QAM	2535	21100	10	25	0	21.35	21.98	0.158
16QAM	2535	21100	10	25	12	21.27	21.90	0.155
16QAM	2535	21100	10	25	25	21.24	21.87	0.154
16QAM	2535	21100	10	50	0	21.17	21.80	0.151
16QAM	2565	21400	10	1	0	22.85	23.48	0.223
16QAM	2565	21400	10	1	25	23.04	23.67	0.233
16QAM	2565	21400	10	1	49	22.41	23.04	0.201
16QAM	2565	21400	10	25	0	21.09	21.72	0.149
16QAM	2565	21400	10	25	12	21.10	21.73	0.149
16QAM	2565	21400	10	25	25	21.13	21.76	0.150
16QAM	2565	21400	10	50	0	21.08	21.71	0.148
64QAM	2505	20800	10	1	0	20.86	21.49	0.141
64QAM	2505	20800	10	1	25	20.64	21.27	0.134
64QAM	2505	20800	10	1	49	20.93	21.56	0.143
64QAM	2505	20800	10	25	0	20.00	20.63	0.116
64QAM	2505	20800	10	25	12	20.02	20.65	0.116
64QAM	2505	20800	10	25	25	20.03	20.66	0.116
64QAM	2505	20800	10	50	0	20.37	21.00	0.126
64QAM	2535	21100	10	1	0	21.51	22.14	0.164
64QAM	2535	21100	10	1	25	21.77	22.40	0.174
64QAM	2535	21100	10	1	49	21.59	22.22	0.167
64QAM	2535	21100	10	25	0	20.61	21.24	0.133
64QAM	2535	21100	10	25	12	20.02	20.65	0.116
64QAM	2535	21100	10	25	25	20.10	20.73	0.118
64QAM	2535	21100	10	50	0	20.16	20.79	0.120
64QAM	2565	21400	10	1	0	21.00	21.63	0.146
64QAM	2565	21400	10	1	25	21.15	21.78	0.151
64QAM	2565	21400	10	1	49	21.13	21.76	0.150
64QAM	2565	21400	10	25	0	20.08	20.71	0.118
64QAM	2565	21400	10	25	12	20.23	20.86	0.122
64QAM	2565	21400	10	25	25	20.03	20.66	0.116
64QAM	2565	21400	10	50	0	20.21	20.84	0.121

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	23.25	23.88	0.244
QPSK	2507.5	20825	15	1	37	23.04	23.67	0.233
QPSK	2507.5	20825	15	1	74	23.08	23.71	0.235
QPSK	2507.5	20825	15	36	0	22.06	22.69	0.186
QPSK	2507.5	20825	15	36	29	22.05	22.68	0.185
QPSK	2507.5	20825	15	36	30	22.07	22.70	0.186
QPSK	2507.5	20825	15	75	0	22.11	22.74	0.188
QPSK	2535	21100	15	1	0	23.14	23.77	0.238
QPSK	2535	21100	15	1	37	22.94	23.57	0.228
QPSK	2535	21100	15	1	74	22.83	23.46	0.222
QPSK	2535	21100	15	36	0	21.91	22.54	0.179
QPSK	2535	21100	15	36	29	21.85	22.48	0.177
QPSK	2535	21100	15	36	30	21.85	22.48	0.177
QPSK	2535	21100	15	75	0	21.99	22.62	0.183
QPSK	2562.5	21375	15	1	0	23.26	23.89	0.245
QPSK	2562.5	21375	15	1	37	23.19	23.82	0.241
QPSK	2562.5	21375	15	1	74	23.25	23.88	0.244
QPSK	2562.5	21375	15	36	0	22.11	22.74	0.188
QPSK	2562.5	21375	15	36	29	22.17	22.80	0.191
QPSK	2562.5	21375	15	36	30	22.06	22.69	0.186
QPSK	2562.5	21375	15	75	0	21.98	22.61	0.182

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
16QAM	2507.5	20825	15	1	0	22.32	22.95	0.197
16QAM	2507.5	20825	15	1	37	22.81	23.44	0.221
16QAM	2507.5	20825	15	1	74	22.09	22.72	0.187
16QAM	2507.5	20825	15	36	0	21.16	21.79	0.151
16QAM	2507.5	20825	15	36	29	21.16	21.79	0.151
16QAM	2507.5	20825	15	36	30	21.17	21.80	0.151
16QAM	2507.5	20825	15	75	0	21.09	21.72	0.149
16QAM	2535	21100	15	1	0	22.73	23.36	0.217
16QAM	2535	21100	15	1	37	22.60	23.23	0.210
16QAM	2535	21100	15	1	74	23.03	23.66	0.232
16QAM	2535	21100	15	36	0	21.06	21.69	0.148
16QAM	2535	21100	15	36	29	21.24	21.87	0.154
16QAM	2535	21100	15	36	30	21.19	21.82	0.152
16QAM	2535	21100	15	75	0	21.05	21.68	0.147
16QAM	2562.5	21375	15	1	0	22.06	22.69	0.186
16QAM	2562.5	21375	15	1	37	21.89	22.52	0.179
16QAM	2562.5	21375	15	1	74	21.74	22.37	0.173
16QAM	2562.5	21375	15	36	0	21.15	21.78	0.151
16QAM	2562.5	21375	15	36	29	21.29	21.92	0.156
16QAM	2562.5	21375	15	36	30	21.19	21.82	0.152
16QAM	2562.5	21375	15	75	0	21.01	21.64	0.146
64QAM	2507.5	20825	15	1	0	21.55	22.18	0.165
64QAM	2507.5	20825	15	1	37	21.50	22.13	0.163
64QAM	2507.5	20825	15	1	74	20.92	21.55	0.143
64QAM	2507.5	20825	15	36	0	20.33	20.96	0.125
64QAM	2507.5	20825	15	36	29	20.23	20.86	0.122
64QAM	2507.5	20825	15	36	30	20.16	20.79	0.120
64QAM	2507.5	20825	15	75	0	20.35	20.98	0.125
64QAM	2535	21100	15	1	0	21.74	22.37	0.173
64QAM	2535	21100	15	1	37	21.24	21.87	0.154
64QAM	2535	21100	15	1	74	21.68	22.31	0.170
64QAM	2535	21100	15	36	0	20.32	20.95	0.124
64QAM	2535	21100	15	36	29	20.17	20.80	0.120
64QAM	2535	21100	15	36	30	20.16	20.79	0.120
64QAM	2535	21100	15	75	0	20.02	20.65	0.116
64QAM	2562.5	21375	15	1	0	21.58	22.21	0.166
64QAM	2562.5	21375	15	1	37	21.36	21.99	0.158
64QAM	2562.5	21375	15	1	74	21.36	21.99	0.158
64QAM	2562.5	21375	15	36	0	20.56	21.19	0.132
64QAM	2562.5	21375	15	36	29	20.21	20.84	0.121
64QAM	2562.5	21375	15	36	30	19.97	20.60	0.115
64QAM	2562.5	21375	15	75	0	20.32	20.95	0.124

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2510	20850	20	1	0	22.96	23.59	0.229
QPSK	2510	20850	20	1	49	22.95	23.58	0.228
QPSK	2510	20850	20	1	99	22.86	23.49	0.223
QPSK	2510	20850	20	50	0	21.94	22.57	0.181
QPSK	2510	20850	20	50	24	22.05	22.68	0.185
QPSK	2510	20850	20	50	50	22.07	22.70	0.186
QPSK	2510	20850	20	100	0	21.98	22.61	0.182
QPSK	2535	21100	20	1	0	23.22	23.85	0.243
QPSK	2535	21100	20	1	49	22.89	23.52	0.225
QPSK	2535	21100	20	1	99	22.85	23.48	0.223
QPSK	2535	21100	20	50	0	22.07	22.70	0.186
QPSK	2535	21100	20	50	24	21.95	22.58	0.181
QPSK	2535	21100	20	50	50	21.78	22.41	0.174
QPSK	2535	21100	20	100	0	21.86	22.49	0.177
QPSK	2560	21350	20	1	0	22.94	23.57	0.228
QPSK	2560	21350	20	1	49	22.93	23.56	0.227
QPSK	2560	21350	20	1	99	23.06	23.69	0.234
QPSK	2560	21350	20	50	0	21.98	22.61	0.182
QPSK	2560	21350	20	50	24	22.01	22.64	0.184
QPSK	2560	21350	20	50	50	22.06	22.69	0.186
QPSK	2560	21350	20	100	0	22.03	22.66	0.185

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2510	20850	20	1	0	22.99	23.62	0.230
16QAM	2510	20850	20	1	49	22.53	23.16	0.207
16QAM	2510	20850	20	1	99	22.49	23.12	0.205
16QAM	2510	20850	20	50	0	21.06	21.69	0.148
16QAM	2510	20850	20	50	24	21.25	21.88	0.154
16QAM	2510	20850	20	50	50	21.21	21.84	0.153
16QAM	2510	20850	20	100	0	21.24	21.87	0.154
16QAM	2535	21100	20	1	0	22.36	22.99	0.199
16QAM	2535	21100	20	1	49	22.48	23.11	0.205
16QAM	2535	21100	20	1	99	22.17	22.80	0.191
16QAM	2535	21100	20	50	0	21.22	21.85	0.153
16QAM	2535	21100	20	50	24	21.07	21.70	0.148
16QAM	2535	21100	20	50	50	20.97	21.60	0.145
16QAM	2535	21100	20	100	0	21.15	21.78	0.151
16QAM	2560	21350	20	1	0	22.57	23.20	0.209
16QAM	2560	21350	20	1	49	22.52	23.15	0.207
16QAM	2560	21350	20	1	99	22.46	23.09	0.204
16QAM	2560	21350	20	50	0	21.21	21.84	0.153
16QAM	2560	21350	20	50	24	21.23	21.86	0.153
16QAM	2560	21350	20	50	50	21.12	21.75	0.150
16QAM	2560	21350	20	100	0	21.10	21.73	0.149
64QAM	2510	20850	20	1	0	20.86	21.49	0.141
64QAM	2510	20850	20	1	49	21.17	21.80	0.151
64QAM	2510	20850	20	1	99	21.53	22.16	0.164
64QAM	2510	20850	20	50	0	20.18	20.81	0.121
64QAM	2510	20850	20	50	24	20.25	20.88	0.122
64QAM	2510	20850	20	50	50	20.14	20.77	0.119
64QAM	2510	20850	20	100	0	20.26	20.89	0.123
64QAM	2535	21100	20	1	0	20.73	21.36	0.137
64QAM	2535	21100	20	1	49	21.03	21.66	0.147
64QAM	2535	21100	20	1	99	20.81	21.44	0.139
64QAM	2535	21100	20	50	0	20.24	20.87	0.122
64QAM	2535	21100	20	50	24	20.18	20.81	0.121
64QAM	2535	21100	20	50	50	20.07	20.70	0.117
64QAM	2535	21100	20	100	0	20.04	20.67	0.117
64QAM	2560	21350	20	1	0	20.93	21.56	0.143
64QAM	2560	21350	20	1	49	21.37	22.00	0.158
64QAM	2560	21350	20	1	99	21.21	21.84	0.153
64QAM	2560	21350	20	50	0	20.63	21.26	0.134
64QAM	2560	21350	20	50	24	20.11	20.74	0.119
64QAM	2560	21350	20	50	50	20.21	20.84	0.121
64QAM	2560	21350	20	100	0	20.21	20.84	0.121