

Fig.1

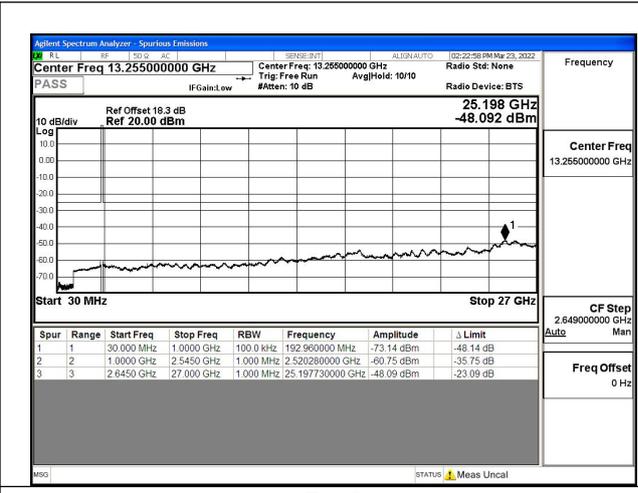


Fig.2

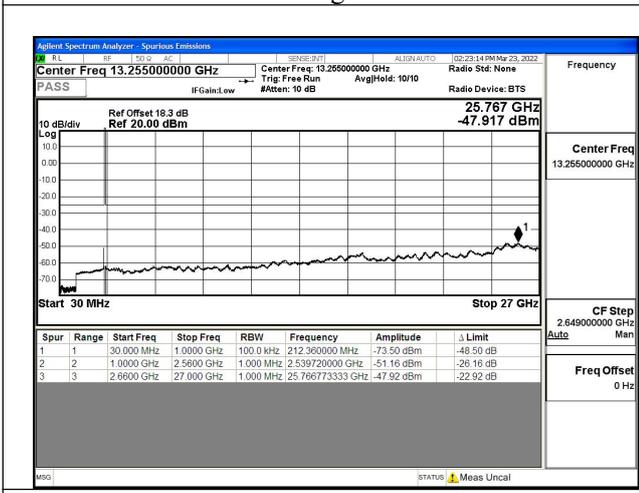


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12

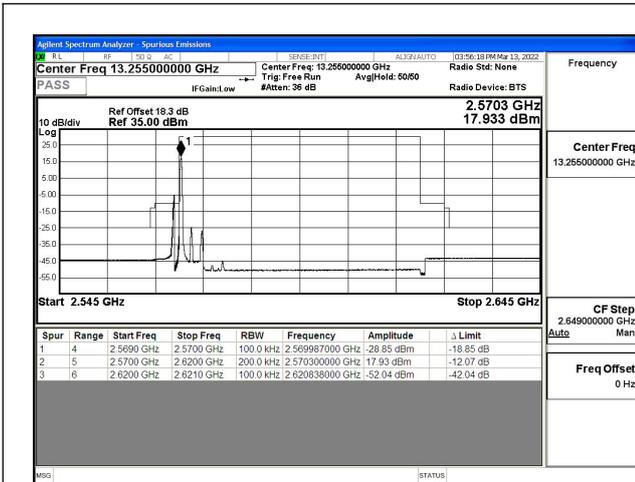


Fig.1

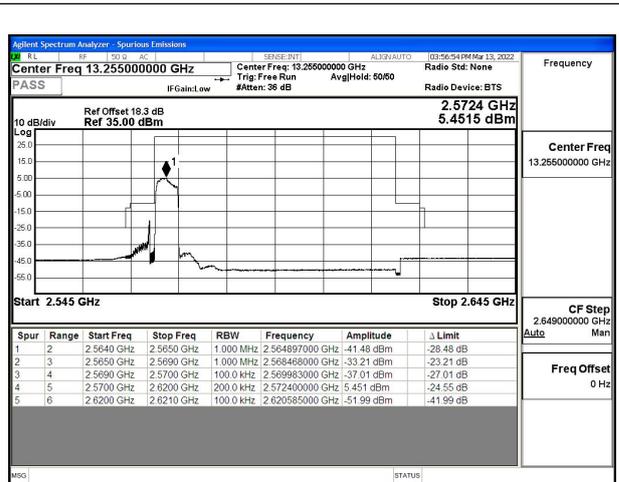


Fig.2

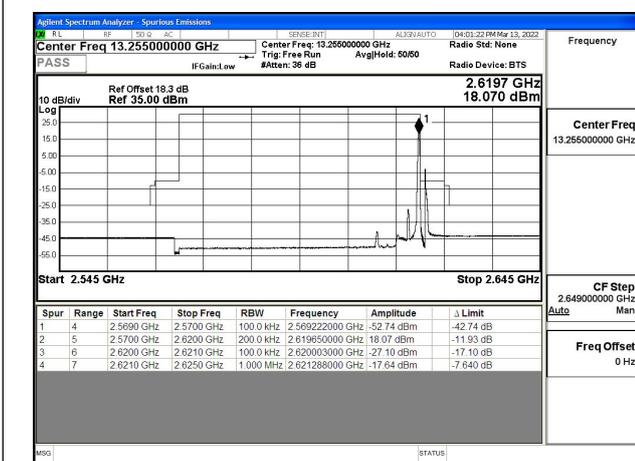


Fig.3

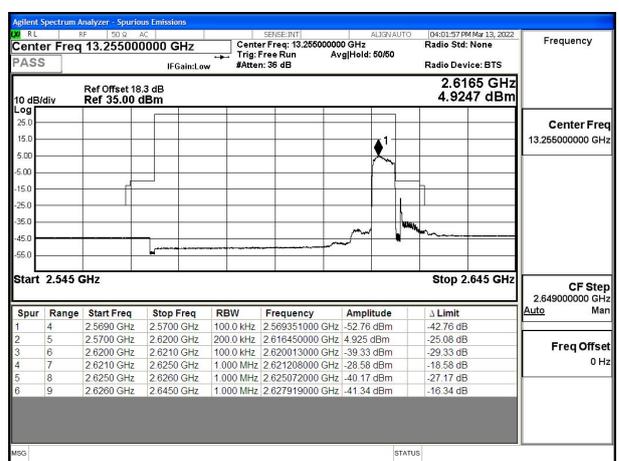


Fig.4

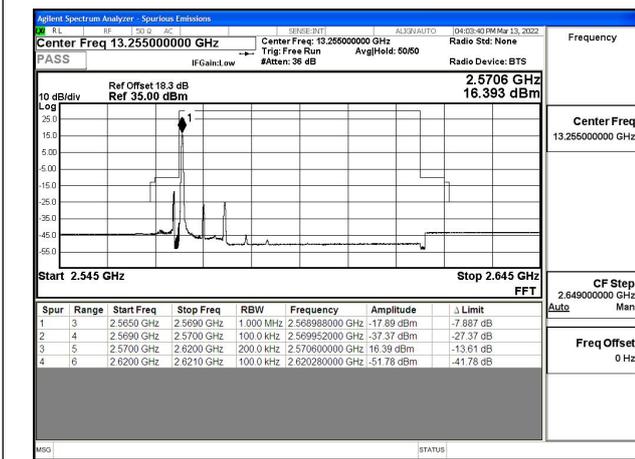


Fig.5

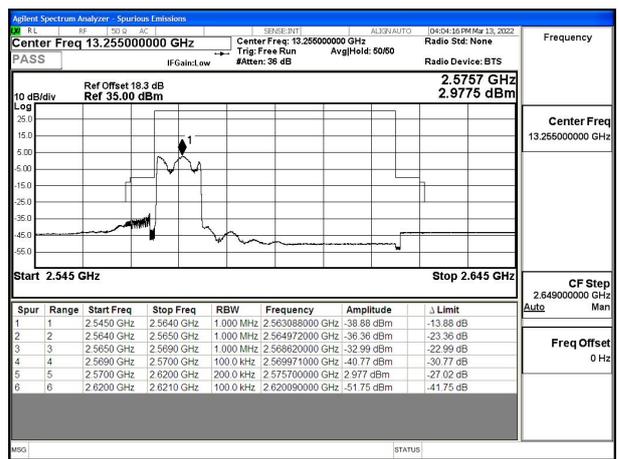


Fig.6

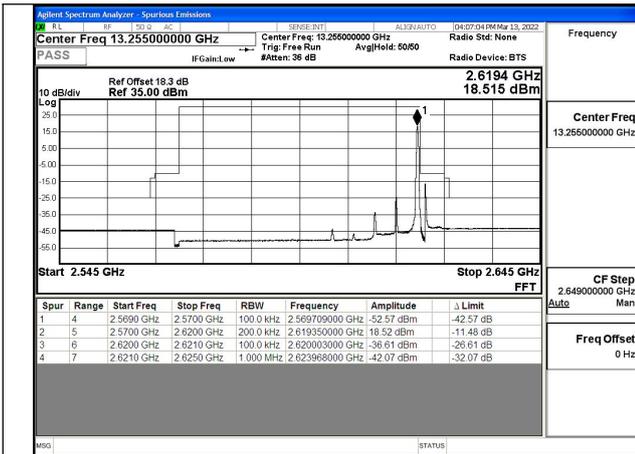


Fig.7

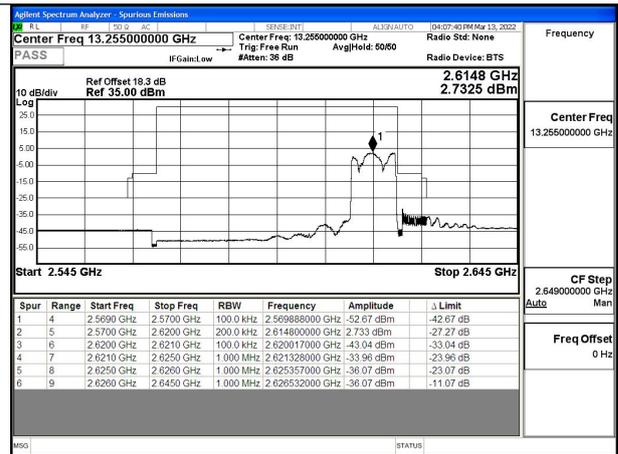


Fig.8

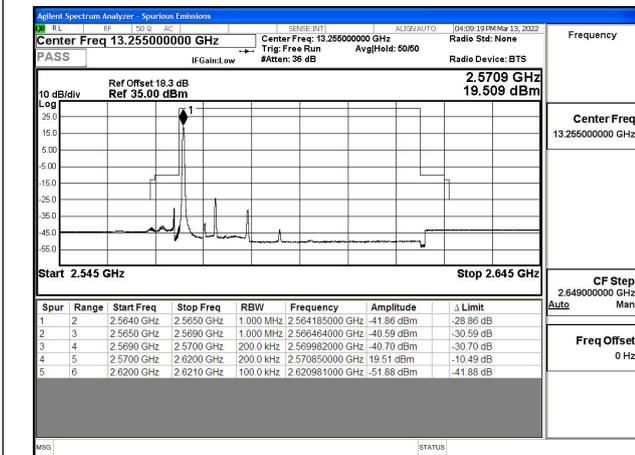


Fig.9

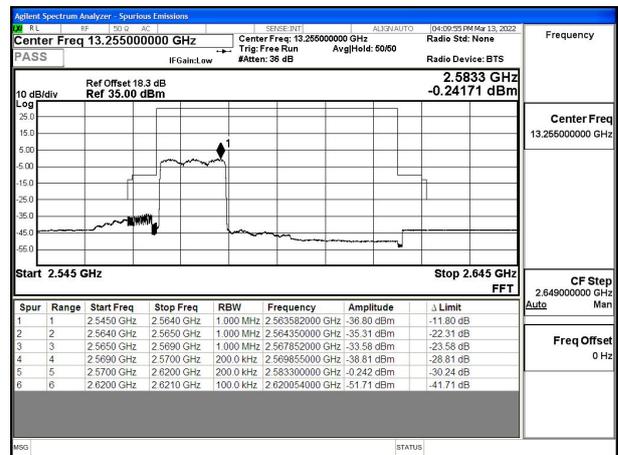


Fig.10

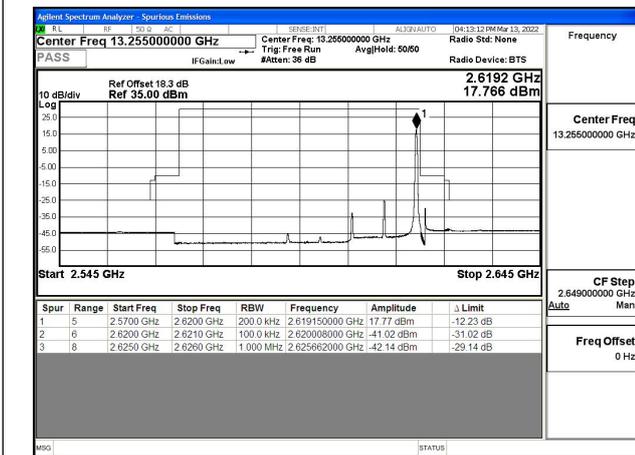


Fig.11

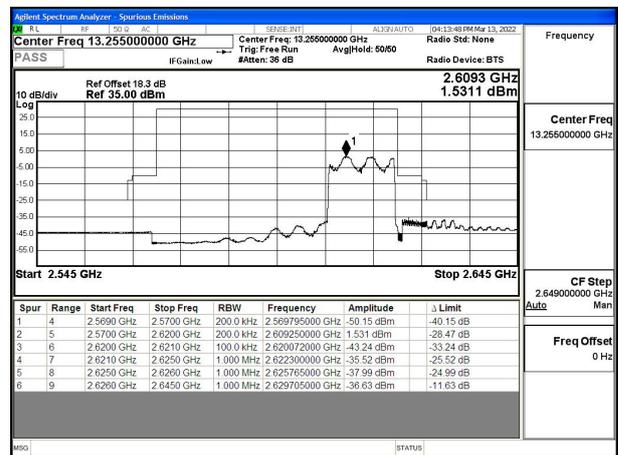


Fig.12

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.003	0.004	-0.015	0.007
0	NV	-0.006	-0.013	0.003	-0.003
+10	NV	-0.013	-0.017	0.006	-0.003
+20	NV	-0.019	-0.017	0.010	0.012
+30	NV	-0.018	-0.020	0.018	0.016
+40	NV	-0.010	-0.010	-0.006	0.012
+55	NV	0.007	0.002	0.014	0.003
+20	LV	-0.022	0.006	0.010	0.013
+20	HV	-0.020	-0.017	0.014	-0.012

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.016	0.009	0.004	0.009
0	NV	-0.007	-0.016	-0.020	-0.013
+10	NV	-0.005	-0.021	-0.005	-0.019
+20	NV	-0.020	-0.010	-0.016	-0.009
+30	NV	-0.015	-0.012	-0.017	-0.020
+40	NV	-0.011	-0.014	-0.019	-0.002
+55	NV	-0.011	-0.016	-0.008	-0.007
+20	LV	-0.019	0.002	-0.012	-0.005
+20	HV	-0.010	-0.006	-0.019	-0.010

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)
16QAM	2572.5	37775	5	1	0	22.49	21.39	0.138
16QAM	2572.5	37775	5	1	12	22.49	21.39	0.138
16QAM	2572.5	37775	5	1	24	22.44	21.34	0.136
16QAM	2572.5	37775	5	12	0	21.70	20.60	0.115
16QAM	2572.5	37775	5	12	7	21.79	20.69	0.117
16QAM	2572.5	37775	5	12	13	21.67	20.57	0.114
16QAM	2572.5	37775	5	25	0	21.87	20.77	0.119
16QAM	2595	38000	5	1	0	22.05	20.95	0.124
16QAM	2595	38000	5	1	12	22.18	21.08	0.128
16QAM	2595	38000	5	1	24	22.21	21.11	0.129
16QAM	2595	38000	5	12	0	21.57	20.47	0.111
16QAM	2595	38000	5	12	7	21.48	20.38	0.109
16QAM	2595	38000	5	12	13	21.62	20.52	0.113
16QAM	2595	38000	5	25	0	21.54	20.44	0.111
16QAM	2617.5	38225	5	1	0	22.09	20.99	0.126
16QAM	2617.5	38225	5	1	12	22.12	21.02	0.126
16QAM	2617.5	38225	5	1	24	22.05	20.95	0.124
16QAM	2617.5	38225	5	12	0	21.26	20.16	0.104
16QAM	2617.5	38225	5	12	7	21.40	20.30	0.107
16QAM	2617.5	38225	5	12	13	21.45	20.35	0.108
16QAM	2617.5	38225	5	25	0	21.49	20.39	0.109
64QAM	2572.5	37775	5	1	0	21.12	20.02	0.100
64QAM	2572.5	37775	5	1	12	21.16	20.06	0.101
64QAM	2572.5	37775	5	1	24	21.04	19.94	0.099
64QAM	2572.5	37775	5	12	0	20.27	19.17	0.083
64QAM	2572.5	37775	5	12	7	20.42	19.32	0.086
64QAM	2572.5	37775	5	12	13	20.13	19.03	0.080
64QAM	2572.5	37775	5	25	0	20.46	19.36	0.086
64QAM	2595	38000	5	1	0	21.23	20.13	0.103
64QAM	2595	38000	5	1	12	21.17	20.07	0.102
64QAM	2595	38000	5	1	24	21.02	19.92	0.098
64QAM	2595	38000	5	12	0	20.25	19.15	0.082
64QAM	2595	38000	5	12	7	20.08	18.98	0.079
64QAM	2595	38000	5	12	13	20.14	19.04	0.080
64QAM	2595	38000	5	25	0	20.22	19.12	0.082
64QAM	2617.5	38225	5	1	0	20.87	19.77	0.095
64QAM	2617.5	38225	5	1	12	21.11	20.01	0.100
64QAM	2617.5	38225	5	1	24	20.80	19.70	0.093
64QAM	2617.5	38225	5	12	0	19.84	18.74	0.075
64QAM	2617.5	38225	5	12	7	19.88	18.78	0.076
64QAM	2617.5	38225	5	12	13	19.82	18.72	0.074
64QAM	2617.5	38225	5	25	0	20.10	19.00	0.079

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2572.5	37775	5	1	0	22.46	21.36	0.137
QPSK	2572.5	37775	5	1	12	23.73	22.63	0.183
QPSK	2572.5	37775	5	1	24	23.63	22.53	0.179
QPSK	2572.5	37775	5	12	0	22.70	21.60	0.145
QPSK	2572.5	37775	5	12	7	22.74	21.64	0.146
QPSK	2572.5	37775	5	12	13	22.57	21.47	0.140
QPSK	2572.5	37775	5	25	0	22.68	21.58	0.144
QPSK	2595	38000	5	1	0	24.08	22.98	0.199
QPSK	2595	38000	5	1	12	23.85	22.75	0.188
QPSK	2595	38000	5	1	24	24.01	22.91	0.195
QPSK	2595	38000	5	12	0	22.45	21.35	0.136
QPSK	2595	38000	5	12	7	22.41	21.31	0.135
QPSK	2595	38000	5	12	13	22.35	21.25	0.133
QPSK	2595	38000	5	25	0	22.43	21.33	0.136
QPSK	2617.5	38225	5	1	0	23.62	22.52	0.179
QPSK	2617.5	38225	5	1	12	23.69	22.59	0.182
QPSK	2617.5	38225	5	1	24	23.63	22.53	0.179
QPSK	2617.5	38225	5	12	0	22.38	21.28	0.134
QPSK	2617.5	38225	5	12	7	22.34	21.24	0.133
QPSK	2617.5	38225	5	12	13	22.35	21.25	0.133
QPSK	2617.5	38225	5	25	0	22.38	21.28	0.134

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.40	21.30	0.135
16QAM	2575	37800	10	1	25	22.40	21.30	0.135
16QAM	2575	37800	10	1	49	22.31	21.21	0.132
16QAM	2575	37800	10	25	0	21.73	20.63	0.116
16QAM	2575	37800	10	25	12	21.79	20.69	0.117
16QAM	2575	37800	10	25	25	21.71	20.61	0.115
16QAM	2575	37800	10	50	0	21.80	20.70	0.117
16QAM	2595	38000	10	1	0	22.38	21.28	0.134
16QAM	2595	38000	10	1	25	22.24	21.14	0.130
16QAM	2595	38000	10	1	49	22.17	21.07	0.128
16QAM	2595	38000	10	25	0	21.62	20.52	0.113
16QAM	2595	38000	10	25	12	21.49	20.39	0.109
16QAM	2595	38000	10	25	25	21.55	20.45	0.111
16QAM	2595	38000	10	50	0	21.54	20.44	0.111
16QAM	2615	38200	10	1	0	22.17	21.07	0.128
16QAM	2615	38200	10	1	25	22.08	20.98	0.125
16QAM	2615	38200	10	1	49	21.87	20.77	0.119
16QAM	2615	38200	10	25	0	21.49	20.39	0.109
16QAM	2615	38200	10	25	12	21.49	20.39	0.109
16QAM	2615	38200	10	25	25	21.42	20.32	0.108
16QAM	2615	38200	10	50	0	21.55	20.45	0.111
64QAM	2575	37800	10	1	0	21.32	20.22	0.105
64QAM	2575	37800	10	1	25	21.38	20.28	0.107
64QAM	2575	37800	10	1	49	21.38	20.28	0.107
64QAM	2575	37800	10	25	0	20.49	19.39	0.087
64QAM	2575	37800	10	25	12	20.43	19.33	0.086
64QAM	2575	37800	10	25	25	20.37	19.27	0.085
64QAM	2575	37800	10	50	0	20.24	19.14	0.082
64QAM	2595	38000	10	1	0	21.19	20.09	0.102
64QAM	2595	38000	10	1	25	21.21	20.11	0.103
64QAM	2595	38000	10	1	49	21.07	19.97	0.099
64QAM	2595	38000	10	25	0	20.32	19.22	0.084
64QAM	2595	38000	10	25	12	20.21	19.11	0.081
64QAM	2595	38000	10	25	25	20.25	19.15	0.082
64QAM	2595	38000	10	50	0	20.03	18.93	0.078
64QAM	2615	38200	10	1	0	20.78	19.68	0.093
64QAM	2615	38200	10	1	25	20.70	19.60	0.091
64QAM	2615	38200	10	1	49	20.75	19.65	0.092
64QAM	2615	38200	10	25	0	20.07	18.97	0.079
64QAM	2615	38200	10	25	12	20.19	19.09	0.081
64QAM	2615	38200	10	25	25	20.17	19.07	0.081
64QAM	2615	38200	10	50	0	19.95	18.85	0.077

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	24.24	23.14	0.206
QPSK	2575	37800	10	1	25	24.18	23.08	0.203
QPSK	2575	37800	10	1	49	24.13	23.03	0.201
QPSK	2575	37800	10	25	0	22.66	21.56	0.143
QPSK	2575	37800	10	25	12	22.73	21.63	0.146
QPSK	2575	37800	10	25	25	22.53	21.43	0.139
QPSK	2575	37800	10	50	0	22.61	21.51	0.142
QPSK	2595	38000	10	1	0	24.10	23.00	0.200
QPSK	2595	38000	10	1	25	23.90	22.80	0.191
QPSK	2595	38000	10	1	49	23.83	22.73	0.187
QPSK	2595	38000	10	25	0	22.56	21.46	0.140
QPSK	2595	38000	10	25	12	22.33	21.23	0.133
QPSK	2595	38000	10	25	25	22.38	21.28	0.134
QPSK	2595	38000	10	50	0	22.36	21.26	0.134
QPSK	2615	38200	10	1	0	23.85	22.75	0.188
QPSK	2615	38200	10	1	25	23.95	22.85	0.193
QPSK	2615	38200	10	1	49	23.98	22.88	0.194
QPSK	2615	38200	10	25	0	22.34	21.24	0.133
QPSK	2615	38200	10	25	12	22.36	21.26	0.134
QPSK	2615	38200	10	25	25	22.36	21.26	0.134
QPSK	2615	38200	10	50	0	22.31	21.21	0.132

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	22.36	21.26	0.134
16QAM	2577.5	37825	15	1	37	22.34	21.24	0.133
16QAM	2577.5	37825	15	1	74	22.26	21.16	0.131
16QAM	2577.5	37825	15	36	0	21.71	20.61	0.115
16QAM	2577.5	37825	15	36	29	21.65	20.55	0.114
16QAM	2577.5	37825	15	36	30	21.65	20.55	0.114
16QAM	2577.5	37825	15	75	0	21.88	20.78	0.120
16QAM	2595	38000	15	1	0	22.45	21.35	0.136
16QAM	2595	38000	15	1	37	22.23	21.13	0.130
16QAM	2595	38000	15	1	74	22.17	21.07	0.128
16QAM	2595	38000	15	36	0	21.60	20.50	0.112
16QAM	2595	38000	15	36	29	21.47	20.37	0.109
16QAM	2595	38000	15	36	30	21.47	20.37	0.109
16QAM	2595	38000	15	75	0	21.49	20.39	0.109
16QAM	2612.5	38175	15	1	0	21.92	20.82	0.121
16QAM	2612.5	38175	15	1	37	22.06	20.96	0.125
16QAM	2612.5	38175	15	1	74	21.97	20.87	0.122
16QAM	2612.5	38175	15	36	0	21.50	20.40	0.110
16QAM	2612.5	38175	15	36	29	21.32	20.22	0.105
16QAM	2612.5	38175	15	36	30	21.31	20.21	0.105
16QAM	2612.5	38175	15	75	0	21.58	20.48	0.112
64QAM	2577.5	37825	15	1	0	21.26	20.16	0.104
64QAM	2577.5	37825	15	1	37	21.34	20.24	0.106
64QAM	2577.5	37825	15	1	74	21.12	20.02	0.100
64QAM	2577.5	37825	15	36	0	20.26	19.16	0.082
64QAM	2577.5	37825	15	36	29	20.28	19.18	0.083
64QAM	2577.5	37825	15	36	30	20.29	19.19	0.083
64QAM	2577.5	37825	15	75	0	20.21	19.11	0.081
64QAM	2595	38000	15	1	0	21.16	20.06	0.101
64QAM	2595	38000	15	1	37	21.02	19.92	0.098
64QAM	2595	38000	15	1	74	20.88	19.78	0.095
64QAM	2595	38000	15	36	0	20.20	19.10	0.081
64QAM	2595	38000	15	36	29	20.18	19.08	0.081
64QAM	2595	38000	15	36	30	20.07	18.97	0.079
64QAM	2595	38000	15	75	0	20.07	18.97	0.079
64QAM	2612.5	38175	15	1	0	20.80	19.70	0.093
64QAM	2612.5	38175	15	1	37	20.84	19.74	0.094
64QAM	2612.5	38175	15	1	74	20.70	19.60	0.091
64QAM	2612.5	38175	15	36	0	20.01	18.91	0.078
64QAM	2612.5	38175	15	36	29	19.93	18.83	0.076
64QAM	2612.5	38175	15	36	30	20.06	18.96	0.079
64QAM	2612.5	38175	15	75	0	19.93	18.83	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	24.11	23.01	0.200
QPSK	2577.5	37825	15	1	37	24.12	23.02	0.200
QPSK	2577.5	37825	15	1	74	24.09	22.99	0.199
QPSK	2577.5	37825	15	36	0	22.75	21.65	0.146
QPSK	2577.5	37825	15	36	29	22.63	21.53	0.142
QPSK	2577.5	37825	15	36	30	22.64	21.54	0.143
QPSK	2577.5	37825	15	75	0	22.69	21.59	0.144
QPSK	2595	38000	15	1	0	23.82	22.72	0.187
QPSK	2595	38000	15	1	37	23.70	22.60	0.182
QPSK	2595	38000	15	1	74	23.65	22.55	0.180
QPSK	2595	38000	15	36	0	22.47	21.37	0.137
QPSK	2595	38000	15	36	29	22.47	21.37	0.137
QPSK	2595	38000	15	36	30	22.46	21.36	0.137
QPSK	2595	38000	15	75	0	22.33	21.23	0.133
QPSK	2612.5	38175	15	1	0	24.00	22.90	0.195
QPSK	2612.5	38175	15	1	37	23.91	22.81	0.191
QPSK	2612.5	38175	15	1	74	23.88	22.78	0.190
QPSK	2612.5	38175	15	36	0	22.29	21.19	0.132
QPSK	2612.5	38175	15	36	29	22.31	21.21	0.132
QPSK	2612.5	38175	15	36	30	22.30	21.20	0.132
QPSK	2612.5	38175	15	75	0	22.37	21.27	0.134

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	22.42	21.32	0.136
16QAM	2580	37850	20	1	49	22.49	21.39	0.138
16QAM	2580	37850	20	1	99	22.23	21.13	0.130
16QAM	2580	37850	20	50	0	21.80	20.70	0.117
16QAM	2580	37850	20	50	24	21.85	20.75	0.119
16QAM	2580	37850	20	50	50	21.77	20.67	0.117
16QAM	2580	37850	20	100	0	21.70	20.60	0.115
16QAM	2595	38000	20	1	0	22.60	21.50	0.141
16QAM	2595	38000	20	1	49	22.40	21.30	0.135
16QAM	2595	38000	20	1	99	22.33	21.23	0.133
16QAM	2595	38000	20	50	0	21.70	20.60	0.115
16QAM	2595	38000	20	50	24	21.49	20.39	0.109
16QAM	2595	38000	20	50	50	21.54	20.44	0.111
16QAM	2595	38000	20	100	0	21.54	20.44	0.111
16QAM	2610	38150	20	1	0	22.17	21.07	0.128
16QAM	2610	38150	20	1	49	22.11	21.01	0.126
16QAM	2610	38150	20	1	99	22.08	20.98	0.125
16QAM	2610	38150	20	50	0	21.57	20.47	0.111
16QAM	2610	38150	20	50	24	21.51	20.41	0.110
16QAM	2610	38150	20	50	50	21.45	20.35	0.108
16QAM	2610	38150	20	100	0	21.57	20.47	0.111
64QAM	2580	37850	20	1	0	21.43	20.33	0.108
64QAM	2580	37850	20	1	49	21.38	20.28	0.107
64QAM	2580	37850	20	1	99	21.17	20.07	0.102
64QAM	2580	37850	20	50	0	20.31	19.21	0.083
64QAM	2580	37850	20	50	24	20.30	19.20	0.083
64QAM	2580	37850	20	50	50	20.00	18.90	0.078
64QAM	2580	37850	20	100	0	20.07	18.97	0.079
64QAM	2595	38000	20	1	0	20.93	19.83	0.096
64QAM	2595	38000	20	1	49	20.82	19.72	0.094
64QAM	2595	38000	20	1	99	20.93	19.83	0.096
64QAM	2595	38000	20	50	0	20.13	19.03	0.080
64QAM	2595	38000	20	50	24	20.00	18.90	0.078
64QAM	2595	38000	20	50	50	20.08	18.98	0.079
64QAM	2595	38000	20	100	0	20.09	18.99	0.079
64QAM	2610	38150	20	1	0	20.86	19.76	0.095
64QAM	2610	38150	20	1	49	20.93	19.83	0.096
64QAM	2610	38150	20	1	99	20.75	19.65	0.092
64QAM	2610	38150	20	50	0	19.90	18.80	0.076
64QAM	2610	38150	20	50	24	19.97	18.87	0.077
64QAM	2610	38150	20	50	50	19.94	18.84	0.077
64QAM	2610	38150	20	100	0	19.91	18.81	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	24.31	23.21	0.209
QPSK	2580	37850	20	1	49	24.10	23.00	0.200
QPSK	2580	37850	20	1	99	24.07	22.97	0.198
QPSK	2580	37850	20	50	0	22.77	21.67	0.147
QPSK	2580	37850	20	50	24	22.63	21.53	0.142
QPSK	2580	37850	20	50	50	22.58	21.48	0.141
QPSK	2580	37850	20	100	0	22.53	21.43	0.139
QPSK	2595	38000	20	1	0	23.86	22.76	0.189
QPSK	2595	38000	20	1	49	23.72	22.62	0.183
QPSK	2595	38000	20	1	99	23.68	22.58	0.181
QPSK	2595	38000	20	50	0	22.64	21.54	0.143
QPSK	2595	38000	20	50	24	22.54	21.44	0.139
QPSK	2595	38000	20	50	50	22.36	21.26	0.134
QPSK	2595	38000	20	100	0	22.37	21.27	0.134
QPSK	2610	38150	20	1	0	23.88	22.78	0.190
QPSK	2610	38150	20	1	49	23.93	22.83	0.192
QPSK	2610	38150	20	1	99	23.82	22.72	0.187
QPSK	2610	38150	20	50	0	22.28	21.18	0.131
QPSK	2610	38150	20	50	24	22.28	21.18	0.131
QPSK	2610	38150	20	50	50	22.36	21.26	0.134
QPSK	2610	38150	20	100	0	22.48	21.38	0.137