

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
12	QPSK	699.7	23017	1.4	1	0	Fig.1
12	QPSK	699.7	23017	1.4	6	0	Fig.2
12	QPSK	715.3	23173	1.4	1	5	Fig.3
12	QPSK	715.3	23173	1.4	6	0	Fig.4
12	QPSK	700.5	23025	3	1	0	Fig.5
12	QPSK	700.5	23025	3	15	0	Fig.6
12	QPSK	714.5	23165	3	1	14	Fig.7
12	QPSK	714.5	23165	3	15	0	Fig.8
12	QPSK	701.5	23035	5	1	0	Fig.9
12	QPSK	701.5	23035	5	25	0	Fig.10
12	QPSK	713.5	23155	5	1	24	Fig.11
12	QPSK	713.5	23155	5	25	0	Fig.12
12	QPSK	704	23060	10	1	0	Fig.13
12	QPSK	704	23060	10	50	0	Fig.14
12	QPSK	711	23130	10	1	49	Fig.15
12	QPSK	711	23130	10	50	0	Fig.16

Test Mode: QPSK

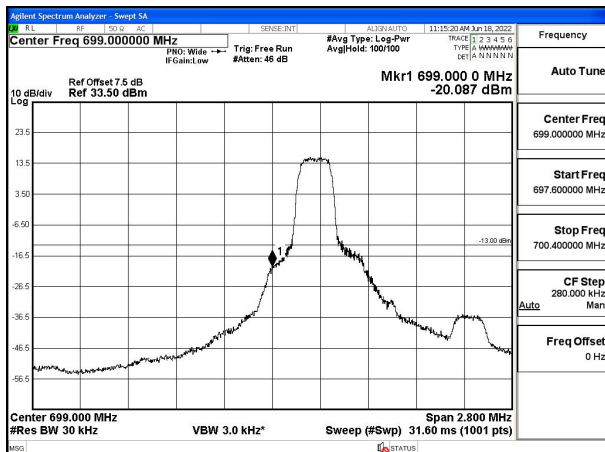


Fig.1

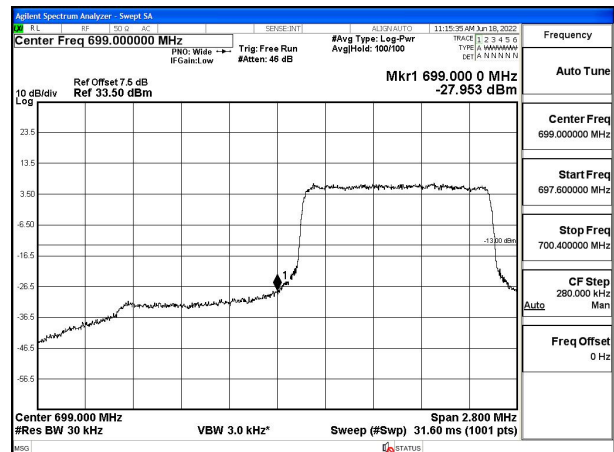


Fig.2

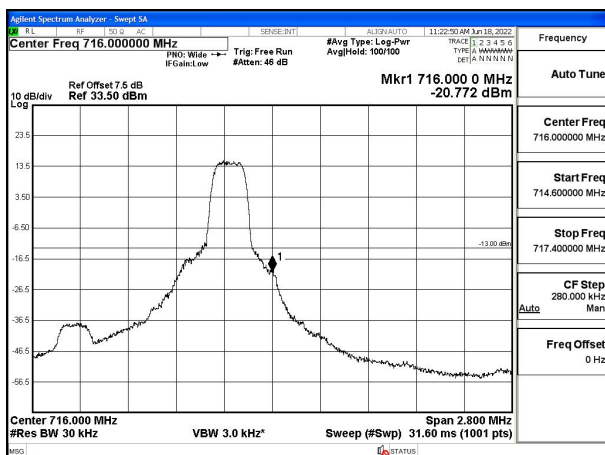


Fig.3

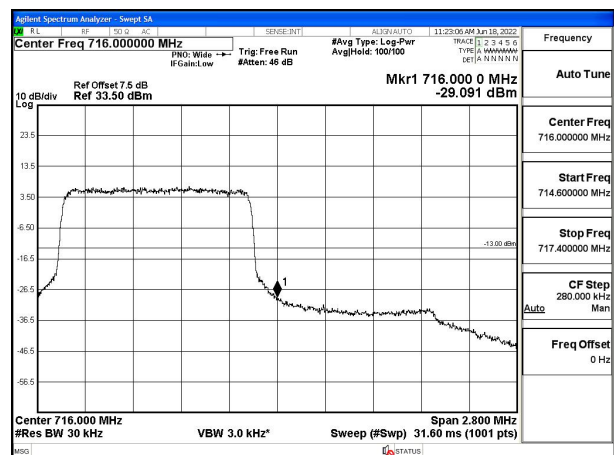


Fig.4

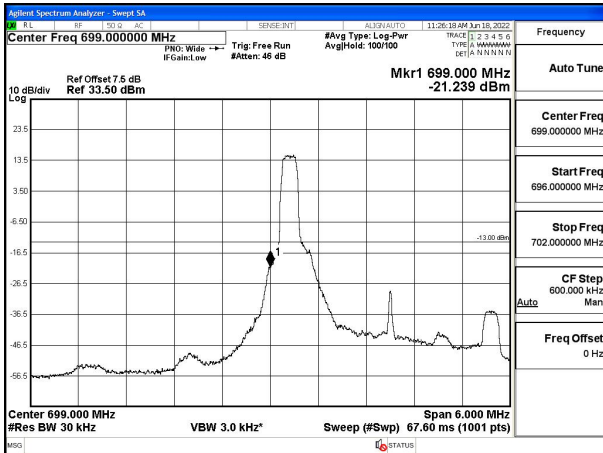


Fig.5

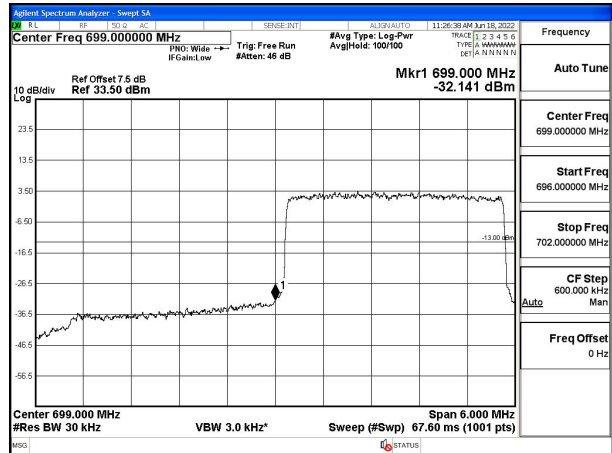


Fig.6

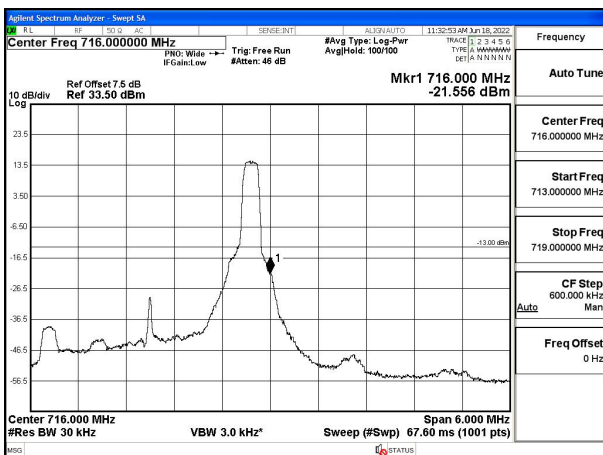


Fig.7

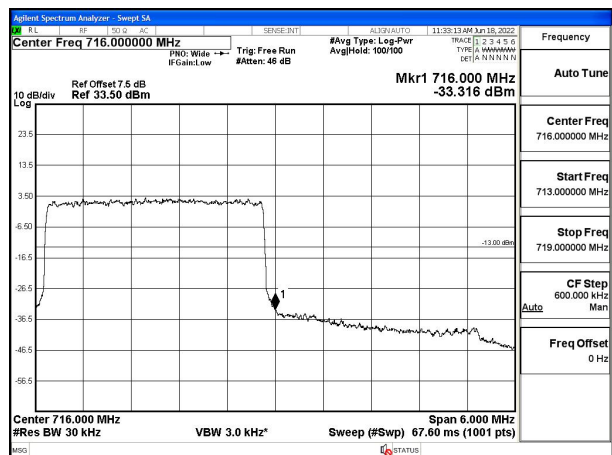


Fig.8

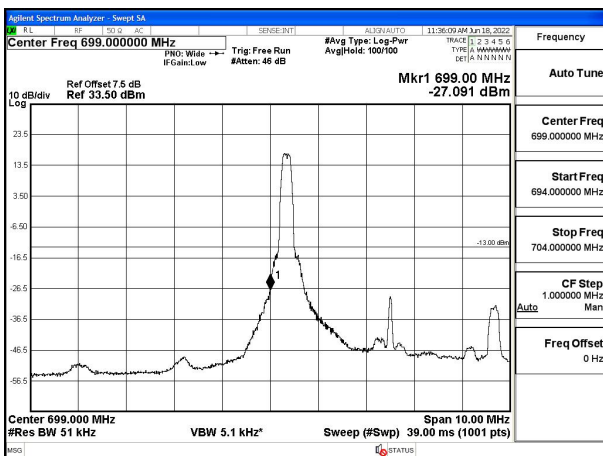


Fig.9

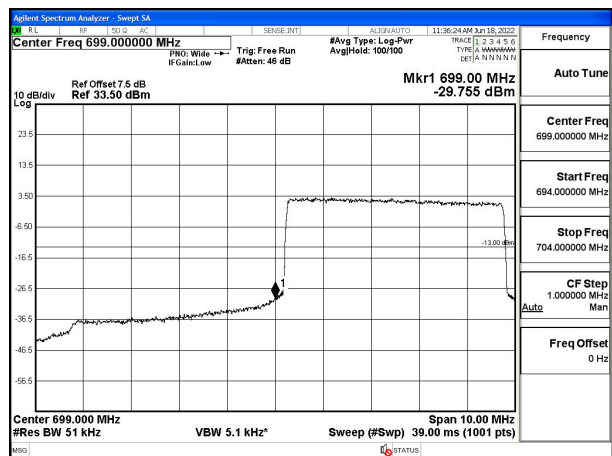


Fig.10

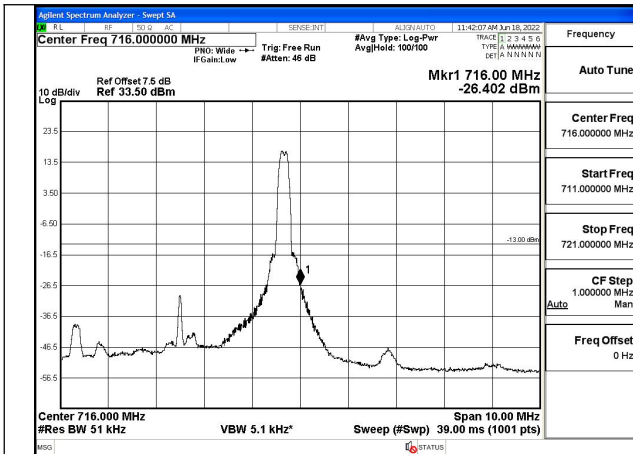


Fig.11

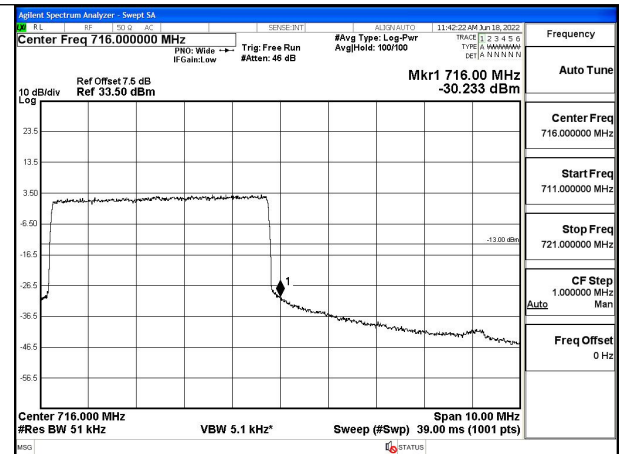


Fig.12

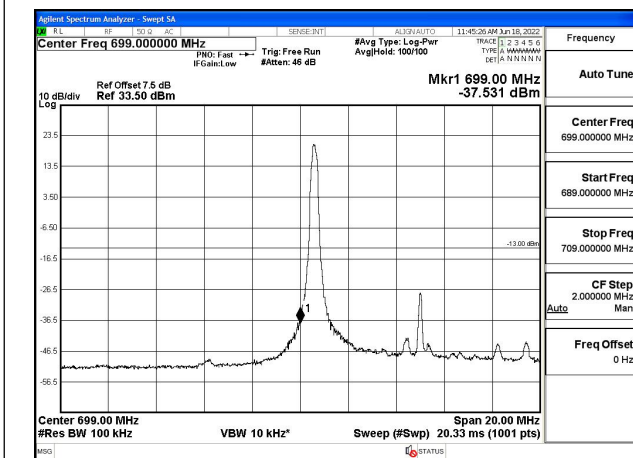


Fig.13

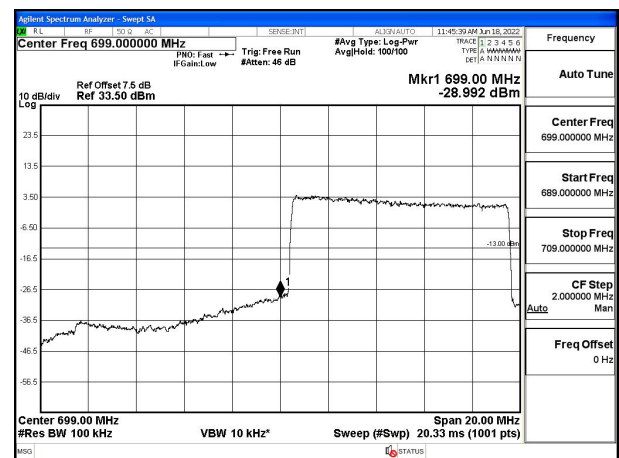


Fig.14

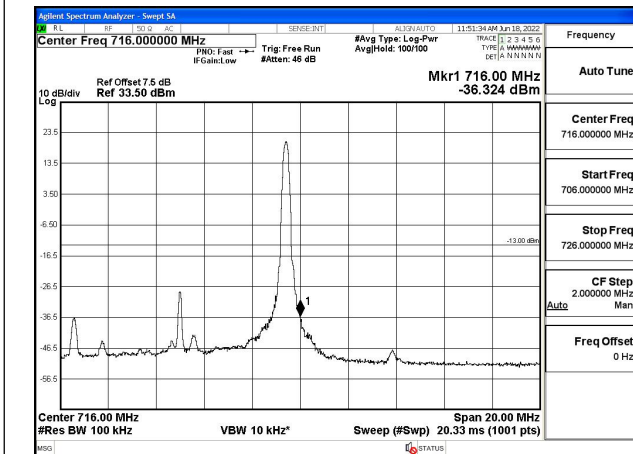


Fig.15

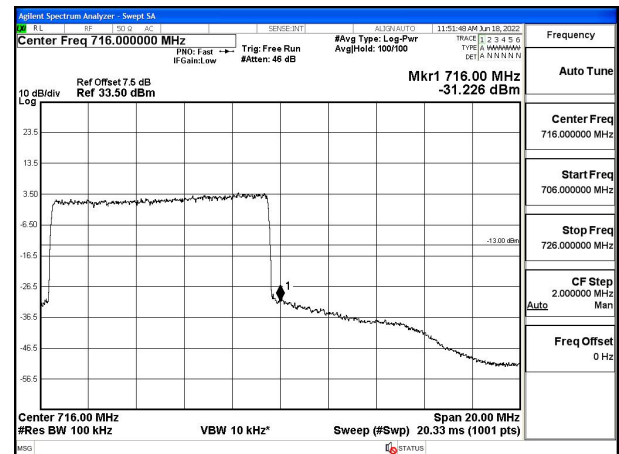


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.017	-0.014	-0.018	-0.010
0	NV	-0.010	-0.026	0.007	-0.010
+10	NV	-0.012	0.024	-0.012	-0.008
+20	NV	-0.010	-0.014	-0.006	-0.010
+30	NV	-0.007	0.023	-0.013	-0.008
+40	NV	-0.013	-0.005	-0.009	-0.005
+50	NV	-0.015	0.021	-0.010	-0.005
+55	NV	-0.016	0.022	-0.012	-0.005
+20	LV	-0.012	-0.019	-0.010	-0.006
+20	HV	-0.012	-0.008	-0.010	-0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.013	-0.012	-0.012	-0.015
0	NV	-0.009	-0.010	-0.015	-0.011
+10	NV	-0.014	-0.011	-0.006	-0.008
+20	NV	-0.014	-0.013	-0.012	-0.007
+30	NV	-0.007	-0.012	-0.003	-0.011
+40	NV	-0.011	-0.016	-0.007	-0.007
+50	NV	-0.006	-0.010	-0.009	-0.014
+55	NV	-0.010	-0.006	-0.004	-0.006
+20	LV	-0.014	-0.008	-0.011	-0.006
+20	HV	-0.016	-0.017	-0.007	-0.006

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	699.7	23017	1.4	1	0	24.04	19.87	0.097
QPSK	699.7	23017	1.4	1	3	24.12	19.95	0.099
QPSK	699.7	23017	1.4	1	5	24.08	19.91	0.098
QPSK	699.7	23017	1.4	3	0	24.10	19.93	0.098
QPSK	699.7	23017	1.4	3	1	24.23	20.06	0.101
QPSK	699.7	23017	1.4	3	3	24.04	19.87	0.097
QPSK	699.7	23017	1.4	6	0	23.09	18.92	0.078
QPSK	707.5	23095	1.4	1	0	24.11	19.94	0.099
QPSK	707.5	23095	1.4	1	3	24.22	20.05	0.101
QPSK	707.5	23095	1.4	1	5	23.92	19.75	0.094
QPSK	707.5	23095	1.4	3	0	24.05	19.88	0.097
QPSK	707.5	23095	1.4	3	1	24.18	20.01	0.100
QPSK	707.5	23095	1.4	3	3	24.08	19.91	0.098
QPSK	707.5	23095	1.4	6	0	23.04	18.87	0.077
QPSK	715.3	23173	1.4	1	0	23.76	19.59	0.091
QPSK	715.3	23173	1.4	1	3	23.82	19.65	0.092
QPSK	715.3	23173	1.4	1	5	23.73	19.56	0.090
QPSK	715.3	23173	1.4	3	0	23.83	19.66	0.092
QPSK	715.3	23173	1.4	3	1	23.96	19.79	0.095
QPSK	715.3	23173	1.4	3	3	23.87	19.70	0.093
QPSK	715.3	23173	1.4	6	0	22.88	18.71	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	699.7	23017	1.4	1	0	23.36	19.19	0.083
16QAM	699.7	23017	1.4	1	3	23.45	19.28	0.085
16QAM	699.7	23017	1.4	1	5	23.23	19.06	0.081
16QAM	699.7	23017	1.4	3	0	23.17	19.00	0.079
16QAM	699.7	23017	1.4	3	1	23.23	19.06	0.081
16QAM	699.7	23017	1.4	3	3	22.96	18.79	0.076
16QAM	699.7	23017	1.4	6	0	22.18	18.01	0.063
16QAM	707.5	23095	1.4	1	0	23.46	19.29	0.085
16QAM	707.5	23095	1.4	1	3	23.35	19.18	0.083
16QAM	707.5	23095	1.4	1	5	23.45	19.28	0.085
16QAM	707.5	23095	1.4	3	0	23.32	19.15	0.082
16QAM	707.5	23095	1.4	3	1	23.31	19.14	0.082
16QAM	707.5	23095	1.4	3	3	23.13	18.96	0.079
16QAM	707.5	23095	1.4	6	0	22.16	17.99	0.063
16QAM	715.3	23173	1.4	1	0	22.54	18.37	0.069
16QAM	715.3	23173	1.4	1	3	22.85	18.68	0.074
16QAM	715.3	23173	1.4	1	5	22.93	18.76	0.075
16QAM	715.3	23173	1.4	3	0	22.73	18.56	0.072
16QAM	715.3	23173	1.4	3	1	22.90	18.73	0.075
16QAM	715.3	23173	1.4	3	3	22.69	18.52	0.071
16QAM	715.3	23173	1.4	6	0	22.02	17.85	0.061
64QAM	699.7	23017	1.4	1	0	22.44	18.27	0.067
64QAM	699.7	23017	1.4	1	3	22.09	17.92	0.062
64QAM	699.7	23017	1.4	1	5	22.25	18.08	0.064
64QAM	699.7	23017	1.4	3	0	22.18	18.01	0.063
64QAM	699.7	23017	1.4	3	1	22.37	18.20	0.066
64QAM	699.7	23017	1.4	3	3	22.24	18.07	0.064
64QAM	699.7	23017	1.4	6	0	21.09	16.92	0.049
64QAM	707.5	23095	1.4	1	0	22.05	17.88	0.061
64QAM	707.5	23095	1.4	1	3	21.99	17.82	0.061
64QAM	707.5	23095	1.4	1	5	21.96	17.79	0.060
64QAM	707.5	23095	1.4	3	0	22.41	18.24	0.067
64QAM	707.5	23095	1.4	3	1	22.07	17.90	0.062
64QAM	707.5	23095	1.4	3	3	22.35	18.18	0.066
64QAM	707.5	23095	1.4	6	0	21.09	16.92	0.049
64QAM	715.3	23173	1.4	1	0	21.87	17.70	0.059
64QAM	715.3	23173	1.4	1	3	22.18	18.01	0.063
64QAM	715.3	23173	1.4	1	5	21.77	17.60	0.058
64QAM	715.3	23173	1.4	3	0	21.87	17.70	0.059
64QAM	715.3	23173	1.4	3	1	22.05	17.88	0.061
64QAM	715.3	23173	1.4	3	3	21.93	17.76	0.060
64QAM	715.3	23173	1.4	6	0	21.01	16.84	0.048

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	23.96	19.79	0.095
QPSK	700.5	23025	3	1	8	23.90	19.73	0.094
QPSK	700.5	23025	3	1	14	24.03	19.86	0.097
QPSK	700.5	23025	3	8	0	23.06	18.89	0.077
QPSK	700.5	23025	3	8	4	23.15	18.98	0.079
QPSK	700.5	23025	3	8	7	23.04	18.87	0.077
QPSK	700.5	23025	3	15	0	23.12	18.95	0.079
QPSK	707.5	23095	3	1	0	24.16	19.99	0.100
QPSK	707.5	23095	3	1	8	24.00	19.83	0.096
QPSK	707.5	23095	3	1	14	24.09	19.92	0.098
QPSK	707.5	23095	3	8	0	23.06	18.89	0.077
QPSK	707.5	23095	3	8	4	23.08	18.91	0.078
QPSK	707.5	23095	3	8	7	23.02	18.85	0.077
QPSK	707.5	23095	3	15	0	23.05	18.88	0.077
QPSK	714.5	23165	3	1	0	23.87	19.70	0.093
QPSK	714.5	23165	3	1	8	23.76	19.59	0.091
QPSK	714.5	23165	3	1	14	23.91	19.74	0.094
QPSK	714.5	23165	3	8	0	22.93	18.76	0.075
QPSK	714.5	23165	3	8	4	22.98	18.81	0.076
QPSK	714.5	23165	3	8	7	22.91	18.74	0.075
QPSK	714.5	23165	3	15	0	22.88	18.71	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	700.5	23025	3	1	0	23.32	19.15	0.082
16QAM	700.5	23025	3	1	8	23.73	19.56	0.090
16QAM	700.5	23025	3	1	14	22.96	18.79	0.076
16QAM	700.5	23025	3	8	0	22.18	18.01	0.063
16QAM	700.5	23025	3	8	4	22.14	17.97	0.063
16QAM	700.5	23025	3	8	7	22.09	17.92	0.062
16QAM	700.5	23025	3	15	0	22.06	17.89	0.062
16QAM	707.5	23095	3	1	0	23.66	19.49	0.089
16QAM	707.5	23095	3	1	8	22.87	18.70	0.074
16QAM	707.5	23095	3	1	14	23.22	19.05	0.080
16QAM	707.5	23095	3	8	0	22.25	18.08	0.064
16QAM	707.5	23095	3	8	4	22.09	17.92	0.062
16QAM	707.5	23095	3	8	7	22.18	18.01	0.063
16QAM	707.5	23095	3	15	0	22.07	17.90	0.062
16QAM	714.5	23165	3	1	0	23.17	19.00	0.079
16QAM	714.5	23165	3	1	8	23.58	19.41	0.087
16QAM	714.5	23165	3	1	14	23.06	18.89	0.077
16QAM	714.5	23165	3	8	0	22.02	17.85	0.061
16QAM	714.5	23165	3	8	4	22.07	17.90	0.062
16QAM	714.5	23165	3	8	7	22.01	17.84	0.061
16QAM	714.5	23165	3	15	0	21.82	17.65	0.058
64QAM	700.5	23025	3	1	0	22.30	18.13	0.065
64QAM	700.5	23025	3	1	8	22.12	17.95	0.062
64QAM	700.5	23025	3	1	14	21.97	17.80	0.060
64QAM	700.5	23025	3	8	0	21.21	17.04	0.051
64QAM	700.5	23025	3	8	4	21.03	16.86	0.049
64QAM	700.5	23025	3	8	7	21.04	16.87	0.049
64QAM	700.5	23025	3	15	0	21.23	17.06	0.051
64QAM	707.5	23095	3	1	0	22.14	17.97	0.063
64QAM	707.5	23095	3	1	8	22.45	18.28	0.067
64QAM	707.5	23095	3	1	14	22.34	18.17	0.066
64QAM	707.5	23095	3	8	0	21.18	17.01	0.050
64QAM	707.5	23095	3	8	4	21.13	16.96	0.050
64QAM	707.5	23095	3	8	7	21.30	17.13	0.052
64QAM	707.5	23095	3	15	0	21.29	17.12	0.052
64QAM	714.5	23165	3	1	0	22.06	17.89	0.062
64QAM	714.5	23165	3	1	8	22.09	17.92	0.062
64QAM	714.5	23165	3	1	14	22.12	17.95	0.062
64QAM	714.5	23165	3	8	0	21.11	16.94	0.049
64QAM	714.5	23165	3	8	4	20.91	16.74	0.047
64QAM	714.5	23165	3	8	7	21.19	17.02	0.050
64QAM	714.5	23165	3	15	0	20.98	16.81	0.048

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	23.96	19.79	0.095
QPSK	701.5	23035	5	1	12	24.06	19.89	0.097
QPSK	701.5	23035	5	1	24	23.85	19.68	0.093
QPSK	701.5	23035	5	12	0	23.07	18.90	0.078
QPSK	701.5	23035	5	12	7	23.13	18.96	0.079
QPSK	701.5	23035	5	12	13	22.89	18.72	0.074
QPSK	701.5	23035	5	25	0	23.11	18.94	0.078
QPSK	707.5	23095	5	1	0	24.02	19.85	0.097
QPSK	707.5	23095	5	1	12	24.14	19.97	0.099
QPSK	707.5	23095	5	1	24	24.03	19.86	0.097
QPSK	707.5	23095	5	12	0	23.14	18.97	0.079
QPSK	707.5	23095	5	12	7	23.04	18.87	0.077
QPSK	707.5	23095	5	12	13	23.09	18.92	0.078
QPSK	707.5	23095	5	25	0	23.12	18.95	0.079
QPSK	713.5	23155	5	1	0	23.84	19.67	0.093
QPSK	713.5	23155	5	1	12	23.95	19.78	0.095
QPSK	713.5	23155	5	1	24	23.78	19.61	0.091
QPSK	713.5	23155	5	12	0	22.86	18.69	0.074
QPSK	713.5	23155	5	12	7	22.92	18.75	0.075
QPSK	713.5	23155	5	12	13	22.92	18.75	0.075
QPSK	713.5	23155	5	25	0	22.90	18.73	0.075

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	701.5	23035	5	1	0	23.10	18.93	0.078
16QAM	701.5	23035	5	1	12	23.09	18.92	0.078
16QAM	701.5	23035	5	1	24	23.40	19.23	0.084
16QAM	701.5	23035	5	12	0	22.19	18.02	0.063
16QAM	701.5	23035	5	12	7	22.00	17.83	0.061
16QAM	701.5	23035	5	12	13	21.83	17.66	0.058
16QAM	701.5	23035	5	25	0	22.05	17.88	0.061
16QAM	707.5	23095	5	1	0	23.08	18.91	0.078
16QAM	707.5	23095	5	1	12	23.51	19.34	0.086
16QAM	707.5	23095	5	1	24	23.16	18.99	0.079
16QAM	707.5	23095	5	12	0	22.18	18.01	0.063
16QAM	707.5	23095	5	12	7	22.17	18.00	0.063
16QAM	707.5	23095	5	12	13	22.09	17.92	0.062
16QAM	707.5	23095	5	25	0	22.15	17.98	0.063
16QAM	713.5	23155	5	1	0	22.95	18.78	0.076
16QAM	713.5	23155	5	1	12	23.72	19.55	0.090
16QAM	713.5	23155	5	1	24	23.34	19.17	0.083
16QAM	713.5	23155	5	12	0	21.85	17.68	0.059
16QAM	713.5	23155	5	12	7	22.01	17.84	0.061
16QAM	713.5	23155	5	12	13	21.94	17.77	0.060
16QAM	713.5	23155	5	25	0	21.79	17.62	0.058
64QAM	701.5	23035	5	1	0	22.01	17.84	0.061
64QAM	701.5	23035	5	1	12	22.42	18.25	0.067
64QAM	701.5	23035	5	1	24	22.25	18.08	0.064
64QAM	701.5	23035	5	12	0	21.28	17.11	0.051
64QAM	701.5	23035	5	12	7	21.39	17.22	0.053
64QAM	701.5	23035	5	12	13	21.14	16.97	0.050
64QAM	701.5	23035	5	25	0	21.19	17.02	0.050
64QAM	707.5	23095	5	1	0	22.22	18.05	0.064
64QAM	707.5	23095	5	1	12	22.37	18.20	0.066
64QAM	707.5	23095	5	1	24	21.66	17.49	0.056
64QAM	707.5	23095	5	12	0	21.16	16.99	0.050
64QAM	707.5	23095	5	12	7	21.21	17.04	0.051
64QAM	707.5	23095	5	12	13	21.27	17.10	0.051
64QAM	707.5	23095	5	25	0	21.19	17.02	0.050
64QAM	713.5	23155	5	1	0	22.29	18.12	0.065
64QAM	713.5	23155	5	1	12	22.05	17.88	0.061
64QAM	713.5	23155	5	1	24	21.97	17.80	0.060
64QAM	713.5	23155	5	12	0	21.04	16.87	0.049
64QAM	713.5	23155	5	12	7	21.10	16.93	0.049
64QAM	713.5	23155	5	12	13	21.00	16.83	0.048
64QAM	713.5	23155	5	25	0	20.99	16.82	0.048

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	24.10	19.93	0.098
QPSK	704	23060	10	1	25	24.22	20.05	0.101
QPSK	704	23060	10	1	49	24.03	19.86	0.097
QPSK	704	23060	10	25	0	23.30	19.13	0.082
QPSK	704	23060	10	25	12	23.14	18.97	0.079
QPSK	704	23060	10	25	25	23.06	18.89	0.077
QPSK	704	23060	10	50	0	23.29	19.12	0.082
QPSK	707.5	23095	10	1	0	24.02	19.85	0.097
QPSK	707.5	23095	10	1	25	24.13	19.96	0.099
QPSK	707.5	23095	10	1	49	24.07	19.90	0.098
QPSK	707.5	23095	10	25	0	23.38	19.21	0.083
QPSK	707.5	23095	10	25	12	23.11	18.94	0.078
QPSK	707.5	23095	10	25	25	23.28	19.11	0.081
QPSK	707.5	23095	10	50	0	23.28	19.11	0.081
QPSK	711	23130	10	1	0	24.06	19.89	0.097
QPSK	711	23130	10	1	25	24.02	19.85	0.097
QPSK	711	23130	10	1	49	23.87	19.70	0.093
QPSK	711	23130	10	25	0	23.05	18.88	0.077
QPSK	711	23130	10	25	12	23.02	18.85	0.077
QPSK	711	23130	10	25	25	23.13	18.96	0.079
QPSK	711	23130	10	50	0	23.11	18.94	0.078

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	704	23060	10	1	0	23.22	19.05	0.080
16QAM	704	23060	10	1	25	23.22	19.05	0.080
16QAM	704	23060	10	1	49	23.46	19.29	0.085
16QAM	704	23060	10	25	0	22.35	18.18	0.066
16QAM	704	23060	10	25	12	22.13	17.96	0.063
16QAM	704	23060	10	25	25	21.93	17.76	0.060
16QAM	704	23060	10	50	0	22.36	18.19	0.066
16QAM	707.5	23095	10	1	0	22.92	18.75	0.075
16QAM	707.5	23095	10	1	25	23.46	19.29	0.085
16QAM	707.5	23095	10	1	49	22.87	18.70	0.074
16QAM	707.5	23095	10	25	0	22.26	18.09	0.064
16QAM	707.5	23095	10	25	12	22.24	18.07	0.064
16QAM	707.5	23095	10	25	25	22.21	18.04	0.064
16QAM	707.5	23095	10	50	0	22.26	18.09	0.064
16QAM	711	23130	10	1	0	23.17	19.00	0.079
16QAM	711	23130	10	1	25	23.36	19.19	0.083
16QAM	711	23130	10	1	49	23.07	18.90	0.078
16QAM	711	23130	10	25	0	22.06	17.89	0.062
16QAM	711	23130	10	25	12	22.04	17.87	0.061
16QAM	711	23130	10	25	25	22.31	18.14	0.065
16QAM	711	23130	10	50	0	22.10	17.93	0.062
64QAM	704	23060	10	1	0	21.98	17.81	0.060
64QAM	704	23060	10	1	25	22.26	18.09	0.064
64QAM	704	23060	10	1	49	22.19	18.02	0.063
64QAM	704	23060	10	25	0	21.34	17.17	0.052
64QAM	704	23060	10	25	12	21.31	17.14	0.052
64QAM	704	23060	10	25	25	21.28	17.11	0.051
64QAM	704	23060	10	50	0	21.29	17.12	0.052
64QAM	707.5	23095	10	1	0	22.05	17.88	0.061
64QAM	707.5	23095	10	1	25	22.41	18.24	0.067
64QAM	707.5	23095	10	1	49	22.23	18.06	0.064
64QAM	707.5	23095	10	25	0	21.31	17.14	0.052
64QAM	707.5	23095	10	25	12	21.25	17.08	0.051
64QAM	707.5	23095	10	25	25	21.27	17.10	0.051
64QAM	707.5	23095	10	50	0	21.28	17.11	0.051
64QAM	711	23130	10	1	0	22.26	18.09	0.064
64QAM	711	23130	10	1	25	22.10	17.93	0.062
64QAM	711	23130	10	1	49	22.22	18.05	0.064
64QAM	711	23130	10	25	0	21.15	16.98	0.050
64QAM	711	23130	10	25	12	21.13	16.96	0.050
64QAM	711	23130	10	25	25	21.26	17.09	0.051
64QAM	711	23130	10	50	0	21.29	17.12	0.052