

Fig.7

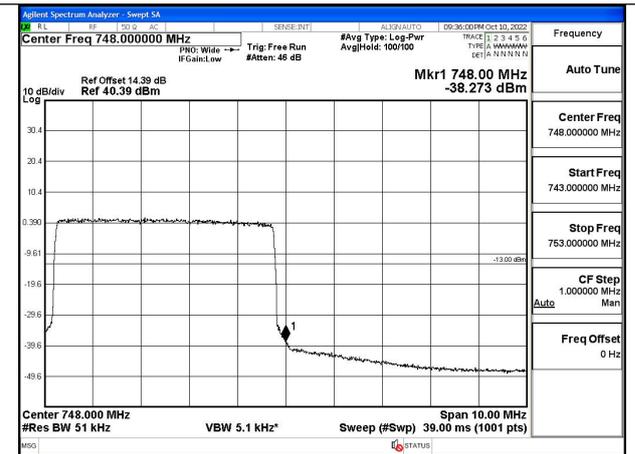


Fig.8

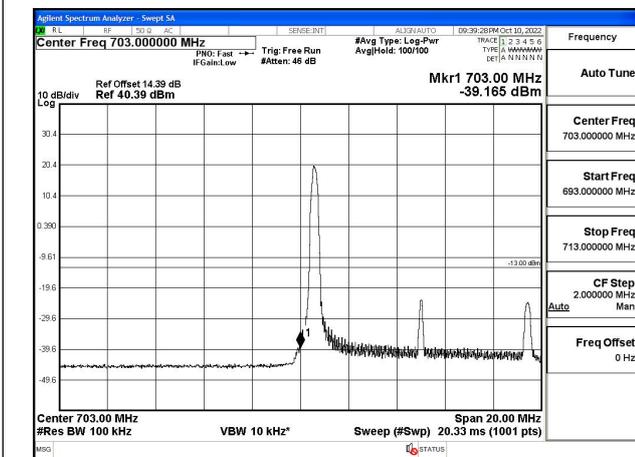


Fig.9

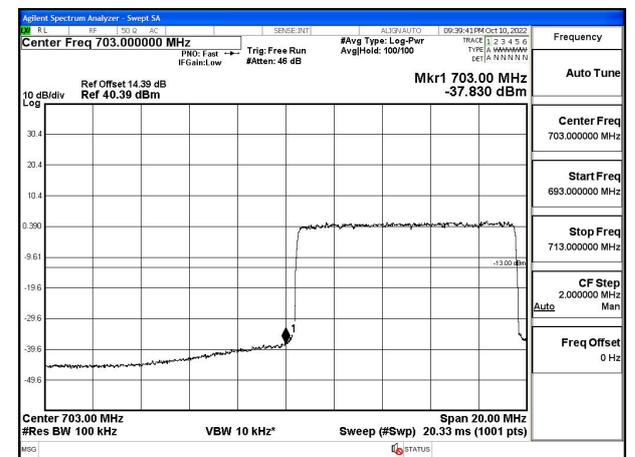


Fig.10

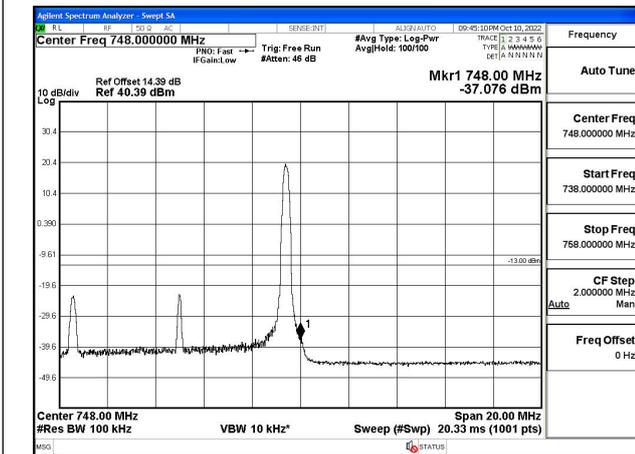


Fig.11

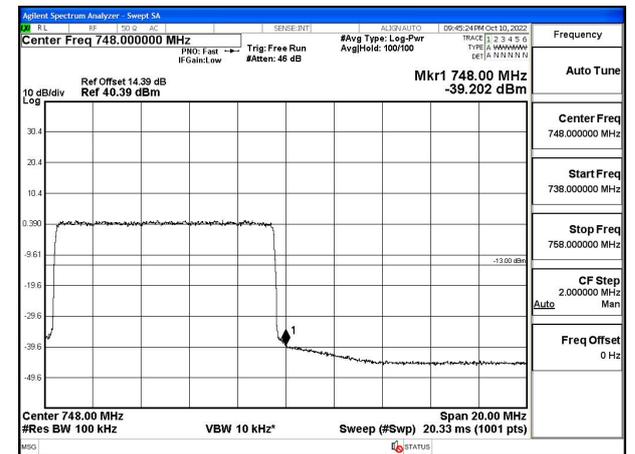


Fig.12

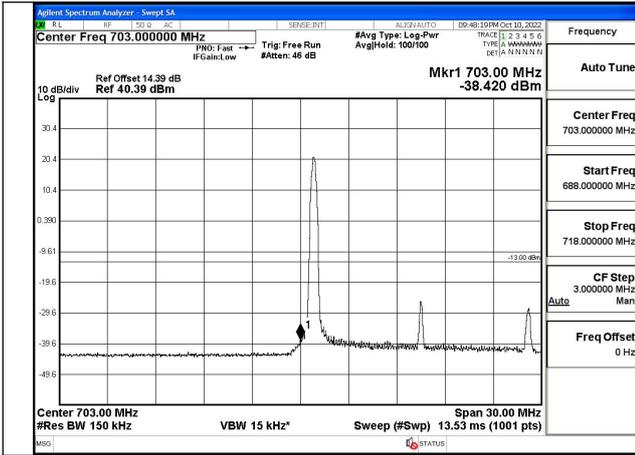


Fig. 13

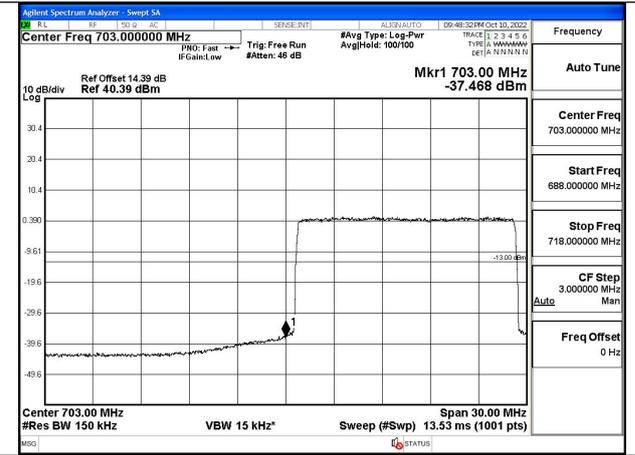


Fig. 14

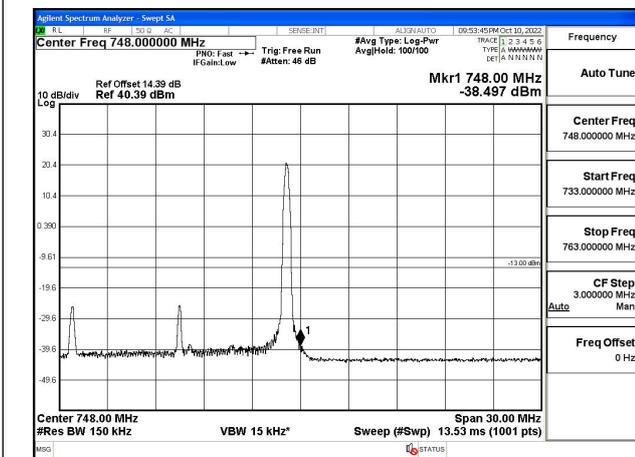


Fig. 15

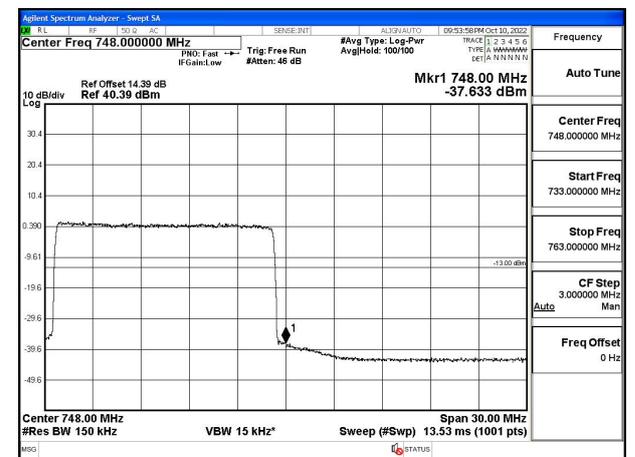


Fig. 16

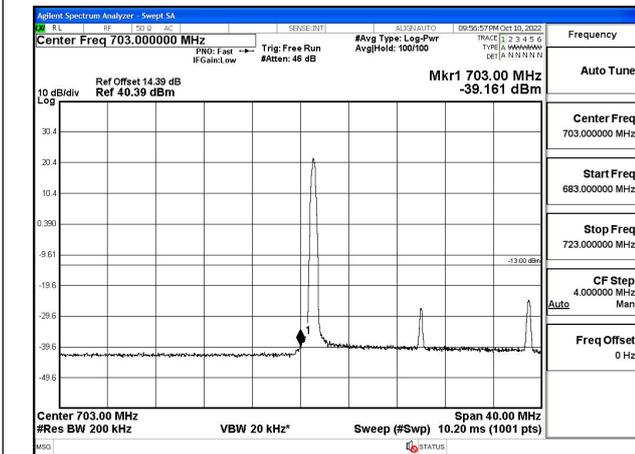


Fig. 17

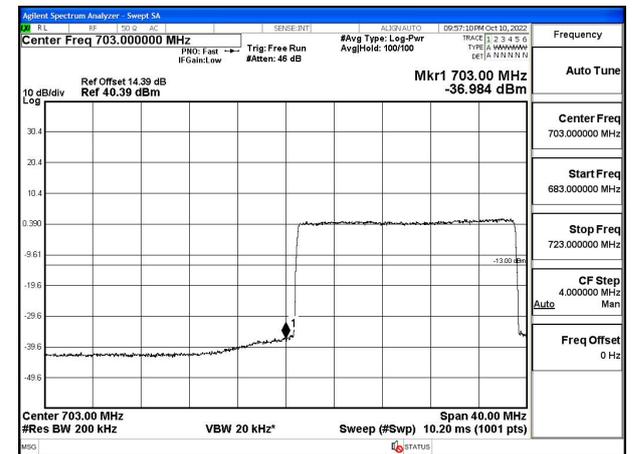


Fig. 18

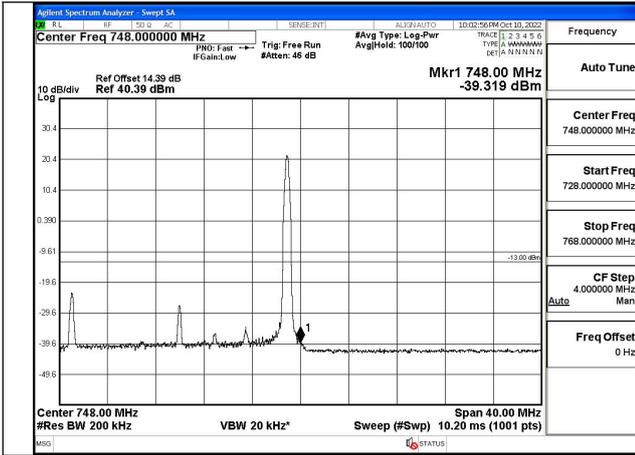


Fig.19

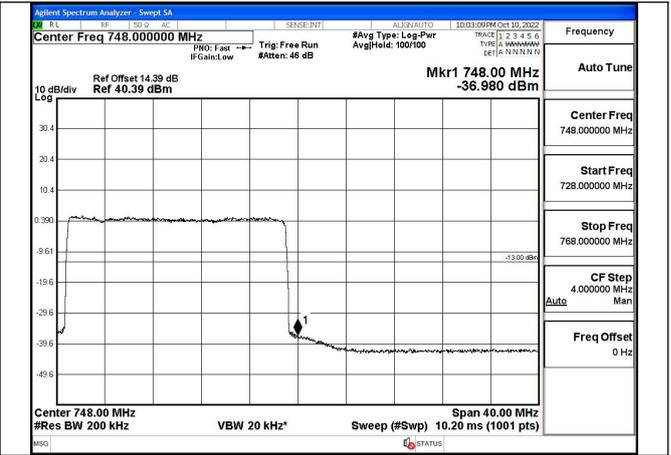


Fig.20

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 28 Low Channel QPSK				
		3M	5M	10M	15M	20M
-20	NV	-0.007	-0.007	-0.038	-0.048	-0.041
-10	NV	0.051	-0.037	-0.014	-0.015	0.042
0	NV	0.034	-0.055	-0.032	-0.018	-0.016
+10	NV	-0.001	-0.030	-0.022	-0.021	0.026
+20	NV	0.041	0.023	-0.048	-0.037	-0.009
+30	NV	0.063	-0.039	-0.017	-0.016	-0.014
+40	NV	-0.012	-0.059	-0.054	-0.035	-0.012
+50	NV	-0.011	-0.060	-0.038	-0.038	-0.013
+60	NV	-0.011	-0.016	-0.055	-0.053	-0.045
+20	LV	-0.074	-0.009	-0.036	-0.046	-0.042
+20	HV	-0.056	-0.013	-0.043	-0.025	-0.046

Temperature(°C)	Voltage	Test Result (ppm) Band 28 High Channel QPSK				
		3M	5M	10M	15M	20M
-20	NV	-0.052	-0.036	-0.063	-0.051	-0.040
-10	NV	-0.046	-0.033	-0.012	-0.027	-0.033
0	NV	-0.060	-0.050	-0.025	-0.012	-0.008
+10	NV	-0.035	-0.033	-0.025	-0.007	-0.034
+20	NV	-0.033	-0.044	-0.054	-0.026	-0.015
+30	NV	-0.047	-0.019	-0.031	-0.021	-0.024
+40	NV	-0.029	-0.032	-0.057	-0.028	-0.019
+50	NV	-0.057	-0.042	-0.054	-0.039	-0.020
+60	NV	-0.058	-0.054	-0.018	-0.054	-0.039
+20	LV	-0.036	-0.036	-0.060	-0.052	-0.035
+20	HV	-0.059	-0.051	-0.029	-0.057	-0.036

### 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	704.5	27225	3	1	0	23.25	18.90	0.078
QPSK	704.5	27225	3	1	8	23.10	18.75	0.075
QPSK	704.5	27225	3	1	14	23.35	19.00	0.079
QPSK	704.5	27225	3	8	0	22.40	18.05	0.064
QPSK	704.5	27225	3	8	4	22.55	18.20	0.066
QPSK	704.5	27225	3	8	7	22.42	18.07	0.064
QPSK	704.5	27225	3	15	0	22.24	17.89	0.062
QPSK	719.5	27375	3	1	0	23.40	19.05	0.080
QPSK	719.5	27375	3	1	8	23.52	19.17	0.083
QPSK	719.5	27375	3	1	14	23.31	18.96	0.079
QPSK	719.5	27375	3	8	0	22.26	17.91	0.062
QPSK	719.5	27375	3	8	4	22.48	18.13	0.065
QPSK	719.5	27375	3	8	7	22.47	18.12	0.065
QPSK	719.5	27375	3	15	0	22.43	18.08	0.064
QPSK	746.5	27645	3	1	0	23.27	18.92	0.078
QPSK	746.5	27645	3	1	8	23.28	18.93	0.078
QPSK	746.5	27645	3	1	14	23.25	18.90	0.078
QPSK	746.5	27645	3	8	0	22.28	17.93	0.062
QPSK	746.5	27645	3	8	4	22.35	18.00	0.063
QPSK	746.5	27645	3	8	7	22.32	17.97	0.063
QPSK	746.5	27645	3	15	0	22.21	17.86	0.061

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	704.5	27225	3	1	0	22.73	18.38	0.069
16QAM	704.5	27225	3	1	8	22.79	18.44	0.070
16QAM	704.5	27225	3	1	14	22.86	18.51	0.071
16QAM	704.5	27225	3	8	0	21.49	17.14	0.052
16QAM	704.5	27225	3	8	4	21.43	17.08	0.051
16QAM	704.5	27225	3	8	7	21.56	17.21	0.053
16QAM	704.5	27225	3	15	0	21.46	17.11	0.051
16QAM	719.5	27375	3	1	0	23.05	18.70	0.074
16QAM	719.5	27375	3	1	8	22.52	18.17	0.066
16QAM	719.5	27375	3	1	14	22.92	18.57	0.072
16QAM	719.5	27375	3	8	0	21.45	17.10	0.051
16QAM	719.5	27375	3	8	4	21.57	17.22	0.053
16QAM	719.5	27375	3	8	7	21.46	17.11	0.051
16QAM	719.5	27375	3	15	0	21.67	17.32	0.054
16QAM	746.5	27645	3	1	0	22.63	18.28	0.067
16QAM	746.5	27645	3	1	8	23.02	18.67	0.074
16QAM	746.5	27645	3	1	14	22.65	18.30	0.068
16QAM	746.5	27645	3	8	0	21.33	16.98	0.050
16QAM	746.5	27645	3	8	4	21.37	17.02	0.050
16QAM	746.5	27645	3	8	7	21.46	17.11	0.051
16QAM	746.5	27645	3	15	0	21.39	17.04	0.051

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	705.5	27235	5	1	0	23.43	19.08	0.081
QPSK	705.5	27235	5	1	12	23.55	19.20	0.083
QPSK	705.5	27235	5	1	24	23.47	19.12	0.082
QPSK	705.5	27235	5	12	0	22.46	18.11	0.065
QPSK	705.5	27235	5	12	7	22.36	18.01	0.063
QPSK	705.5	27235	5	12	13	22.39	18.04	0.064
QPSK	705.5	27235	5	25	0	22.60	18.25	0.067
QPSK	720.5	27385	5	1	0	23.44	19.09	0.081
QPSK	720.5	27385	5	1	12	23.42	19.07	0.081
QPSK	720.5	27385	5	1	24	23.53	19.18	0.083
QPSK	720.5	27385	5	12	0	22.21	17.86	0.061
QPSK	720.5	27385	5	12	7	22.35	18.00	0.063
QPSK	720.5	27385	5	12	13	22.53	18.18	0.066
QPSK	720.5	27385	5	25	0	22.48	18.13	0.065
QPSK	745.5	27635	5	1	0	23.46	19.11	0.081
QPSK	745.5	27635	5	1	12	23.27	18.92	0.078
QPSK	745.5	27635	5	1	24	23.25	18.90	0.078
QPSK	745.5	27635	5	12	0	22.38	18.03	0.064
QPSK	745.5	27635	5	12	7	22.23	17.88	0.061
QPSK	745.5	27635	5	12	13	22.20	17.85	0.061
QPSK	745.5	27635	5	25	0	22.38	18.03	0.064

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	705.5	27235	5	1	0	22.84	18.49	0.071
16QAM	705.5	27235	5	1	12	22.66	18.31	0.068
16QAM	705.5	27235	5	1	24	22.91	18.56	0.072
16QAM	705.5	27235	5	12	0	21.45	17.10	0.051
16QAM	705.5	27235	5	12	7	21.53	17.18	0.052
16QAM	705.5	27235	5	12	13	21.45	17.10	0.051
16QAM	705.5	27235	5	25	0	21.49	17.14	0.052
16QAM	720.5	27385	5	1	0	22.54	18.19	0.066
16QAM	720.5	27385	5	1	12	22.29	17.94	0.062
16QAM	720.5	27385	5	1	24	23.22	18.87	0.077
16QAM	720.5	27385	5	12	0	21.76	17.41	0.055
16QAM	720.5	27385	5	12	7	21.34	16.99	0.050
16QAM	720.5	27385	5	12	13	21.28	16.93	0.049
16QAM	720.5	27385	5	25	0	21.67	17.32	0.054
16QAM	745.5	27635	5	1	0	22.49	18.14	0.065
16QAM	745.5	27635	5	1	12	22.78	18.43	0.070
16QAM	745.5	27635	5	1	24	22.77	18.42	0.070
16QAM	745.5	27635	5	12	0	21.25	16.90	0.049
16QAM	745.5	27635	5	12	7	21.05	16.70	0.047
16QAM	745.5	27635	5	12	13	21.25	16.90	0.049
16QAM	745.5	27635	5	25	0	21.36	17.01	0.050

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	708	27260	10	1	0	23.71	19.36	0.086
QPSK	708	27260	10	1	25	23.82	19.47	0.089
QPSK	708	27260	10	1	49	23.70	19.35	0.086
QPSK	708	27260	10	25	0	22.43	18.08	0.064
QPSK	708	27260	10	25	12	22.42	18.07	0.064
QPSK	708	27260	10	25	25	22.45	18.10	0.065
QPSK	708	27260	10	50	0	22.54	18.19	0.066
QPSK	723	27410	10	1	0	23.70	19.35	0.086
QPSK	723	27410	10	1	25	23.68	19.33	0.086
QPSK	723	27410	10	1	49	23.44	19.09	0.081
QPSK	723	27410	10	25	0	22.40	18.05	0.064
QPSK	723	27410	10	25	12	22.45	18.10	0.065
QPSK	723	27410	10	25	25	22.37	18.02	0.063
QPSK	723	27410	10	50	0	22.32	17.97	0.063
QPSK	743	27610	10	1	0	23.34	18.99	0.079
QPSK	743	27610	10	1	25	23.30	18.95	0.079
QPSK	743	27610	10	1	49	23.45	19.10	0.081
QPSK	743	27610	10	25	0	22.12	17.77	0.060
QPSK	743	27610	10	25	12	22.25	17.90	0.062
QPSK	743	27610	10	25	25	22.16	17.81	0.060
QPSK	743	27610	10	50	0	22.29	17.94	0.062

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	708	27260	10	1	0	23.17	18.82	0.076
16QAM	708	27260	10	1	25	22.67	18.32	0.068
16QAM	708	27260	10	1	49	22.67	18.32	0.068
16QAM	708	27260	10	25	0	21.75	17.40	0.055
16QAM	708	27260	10	25	12	21.81	17.46	0.056
16QAM	708	27260	10	25	25	21.78	17.43	0.055
16QAM	708	27260	10	50	0	21.51	17.16	0.052
16QAM	723	27410	10	1	0	23.14	18.79	0.076
16QAM	723	27410	10	1	25	23.15	18.80	0.076
16QAM	723	27410	10	1	49	23.05	18.70	0.074
16QAM	723	27410	10	25	0	21.91	17.56	0.057
16QAM	723	27410	10	25	12	21.53	17.18	0.052
16QAM	723	27410	10	25	25	21.57	17.22	0.053
16QAM	723	27410	10	50	0	21.37	17.02	0.050
16QAM	743	27610	10	1	0	22.36	18.01	0.063
16QAM	743	27610	10	1	25	22.29	17.94	0.062
16QAM	743	27610	10	1	49	22.61	18.26	0.067
16QAM	743	27610	10	25	0	21.57	17.22	0.053
16QAM	743	27610	10	25	12	21.38	17.03	0.050
16QAM	743	27610	10	25	25	21.44	17.09	0.051
16QAM	743	27610	10	50	0	21.31	16.96	0.050

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	710.5	27285	15	1	0	23.58	19.23	0.084
QPSK	710.5	27285	15	1	37	23.50	19.15	0.082
QPSK	710.5	27285	15	1	74	23.58	19.23	0.084
QPSK	710.5	27285	15	36	0	22.67	18.32	0.068
QPSK	710.5	27285	15	36	29	22.50	18.15	0.065
QPSK	710.5	27285	15	36	30	22.49	18.14	0.065
QPSK	710.5	27285	15	75	0	22.53	18.18	0.066
QPSK	725.5	27435	15	1	0	23.39	19.04	0.080
QPSK	725.5	27435	15	1	37	23.36	19.01	0.080
QPSK	725.5	27435	15	1	74	23.16	18.81	0.076
QPSK	725.5	27435	15	36	0	22.53	18.18	0.066
QPSK	725.5	27435	15	36	29	22.43	18.08	0.064
QPSK	725.5	27435	15	36	30	22.28	17.93	0.062
QPSK	725.5	27435	15	75	0	22.22	17.87	0.061
QPSK	740.5	27585	15	1	0	23.45	19.10	0.081
QPSK	740.5	27585	15	1	37	23.30	18.95	0.079
QPSK	740.5	27585	15	1	74	23.34	18.99	0.079
QPSK	740.5	27585	15	36	0	22.23	17.88	0.061
QPSK	740.5	27585	15	36	29	22.34	17.99	0.063
QPSK	740.5	27585	15	36	30	22.30	17.95	0.062
QPSK	740.5	27585	15	75	0	22.14	17.79	0.060

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	710.5	27285	15	1	0	22.68	18.33	0.068
16QAM	710.5	27285	15	1	37	22.83	18.48	0.070
16QAM	710.5	27285	15	1	74	22.76	18.41	0.069
16QAM	710.5	27285	15	36	0	21.68	17.33	0.054
16QAM	710.5	27285	15	36	29	21.52	17.17	0.052
16QAM	710.5	27285	15	36	30	21.50	17.15	0.052
16QAM	710.5	27285	15	75	0	21.57	17.22	0.053
16QAM	725.5	27435	15	1	0	23.10	18.75	0.075
16QAM	725.5	27435	15	1	37	23.14	18.79	0.076
16QAM	725.5	27435	15	1	74	22.71	18.36	0.069
16QAM	725.5	27435	15	36	0	21.37	17.02	0.050
16QAM	725.5	27435	15	36	29	21.41	17.06	0.051
16QAM	725.5	27435	15	36	30	21.38	17.03	0.050
16QAM	725.5	27435	15	75	0	21.33	16.98	0.050
16QAM	740.5	27585	15	1	0	22.61	18.26	0.067
16QAM	740.5	27585	15	1	37	23.23	18.88	0.077
16QAM	740.5	27585	15	1	74	22.91	18.56	0.072
16QAM	740.5	27585	15	36	0	21.89	17.54	0.057
16QAM	740.5	27585	15	36	29	21.23	16.88	0.049
16QAM	740.5	27585	15	36	30	21.26	16.91	0.049
16QAM	740.5	27585	15	75	0	21.26	16.91	0.049

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	713	27310	20	1	0	23.60	19.25	0.084
QPSK	713	27310	20	1	49	23.60	19.25	0.084
QPSK	713	27310	20	1	99	23.32	18.97	0.079
QPSK	713	27310	20	50	0	22.66	18.31	0.068
QPSK	713	27310	20	50	24	22.60	18.25	0.067
QPSK	713	27310	20	50	50	22.53	18.18	0.066
QPSK	713	27310	20	100	0	22.31	17.96	0.063
QPSK	728	27460	20	1	0	23.48	19.13	0.082
QPSK	728	27460	20	1	49	23.41	19.06	0.081
QPSK	728	27460	20	1	99	23.26	18.91	0.078
QPSK	728	27460	20	50	0	22.19	17.84	0.061
QPSK	728	27460	20	50	24	22.20	17.85	0.061
QPSK	728	27460	20	50	50	22.24	17.89	0.062
QPSK	728	27460	20	100	0	22.37	18.02	0.063
QPSK	738	27560	20	1	0	23.41	19.06	0.081
QPSK	738	27560	20	1	49	23.50	19.15	0.082
QPSK	738	27560	20	1	99	23.27	18.92	0.078
QPSK	738	27560	20	50	0	22.33	17.98	0.063
QPSK	738	27560	20	50	24	22.16	17.81	0.060
QPSK	738	27560	20	50	50	22.31	17.96	0.063
QPSK	738	27560	20	100	0	22.26	17.91	0.062

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	713	27310	20	1	0	23.23	18.88	0.077
16QAM	713	27310	20	1	49	22.85	18.50	0.071
16QAM	713	27310	20	1	99	22.91	18.56	0.072
16QAM	713	27310	20	50	0	21.39	17.04	0.051
16QAM	713	27310	20	50	24	21.43	17.08	0.051
16QAM	713	27310	20	50	50	21.38	17.03	0.050
16QAM	713	27310	20	100	0	21.44	17.09	0.051
16QAM	728	27460	20	1	0	22.72	18.37	0.069
16QAM	728	27460	20	1	49	23.24	18.89	0.077
16QAM	728	27460	20	1	99	22.83	18.48	0.070
16QAM	728	27460	20	50	0	21.42	17.07	0.051
16QAM	728	27460	20	50	24	21.33	16.98	0.050
16QAM	728	27460	20	50	50	21.40	17.05	0.051
16QAM	728	27460	20	100	0	21.26	16.91	0.049
16QAM	738	27560	20	1	0	22.68	18.33	0.068
16QAM	738	27560	20	1	49	22.53	18.18	0.066
16QAM	738	27560	20	1	99	22.59	18.24	0.067
16QAM	738	27560	20	50	0	21.33	16.98	0.050
16QAM	738	27560	20	50	24	21.79	17.44	0.055
16QAM	738	27560	20	50	50	21.32	16.97	0.050
16QAM	738	27560	20	100	0	21.78	17.43	0.055