

Fig.61

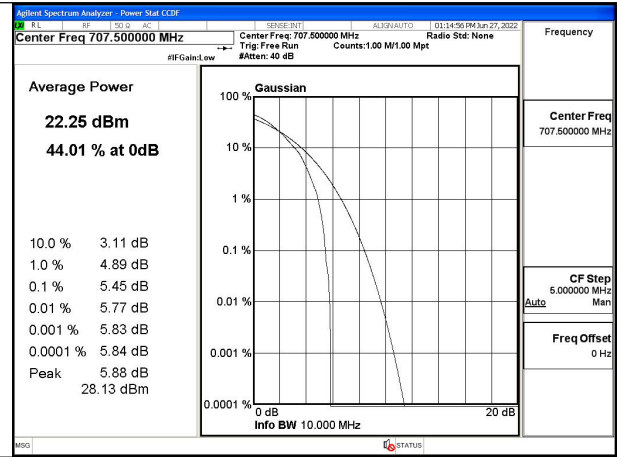


Fig.62

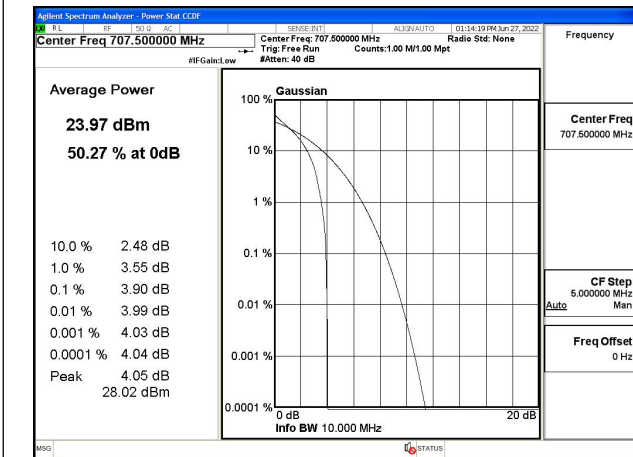


Fig.63

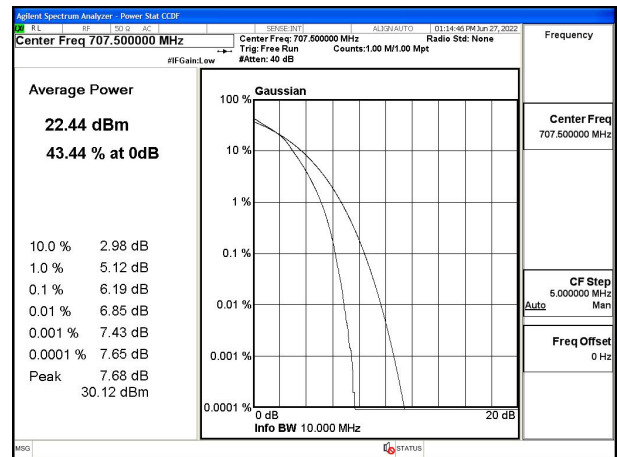


Fig.64

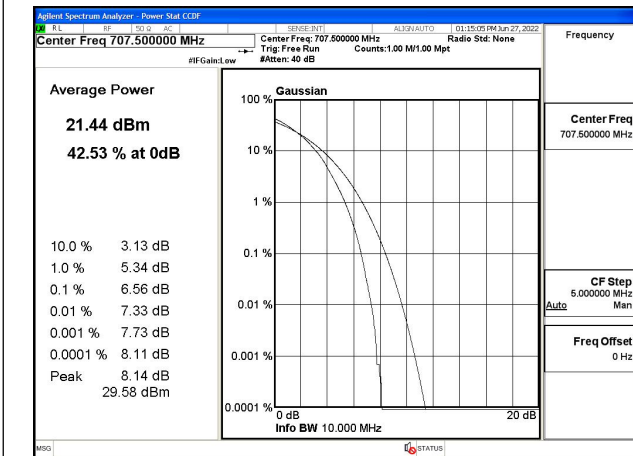


Fig.65

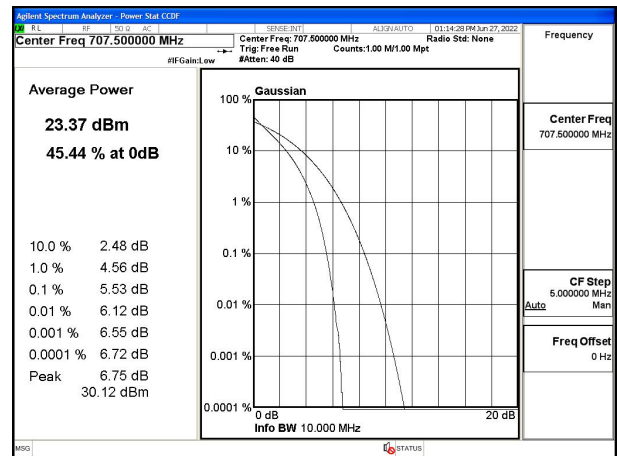


Fig.66

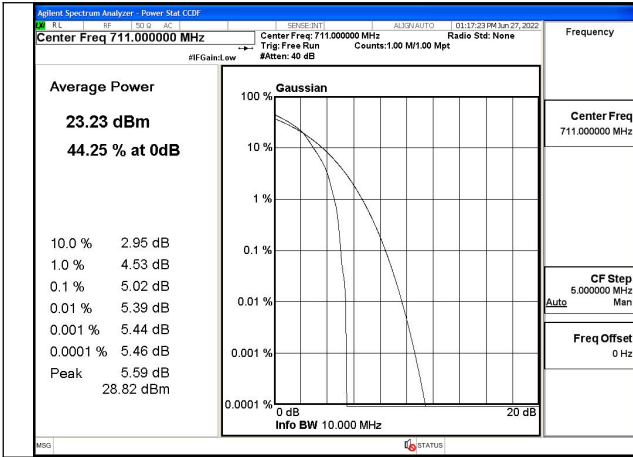


Fig.67

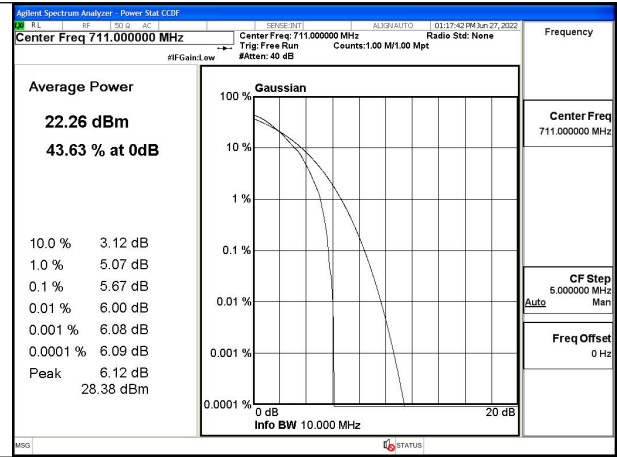


Fig.68

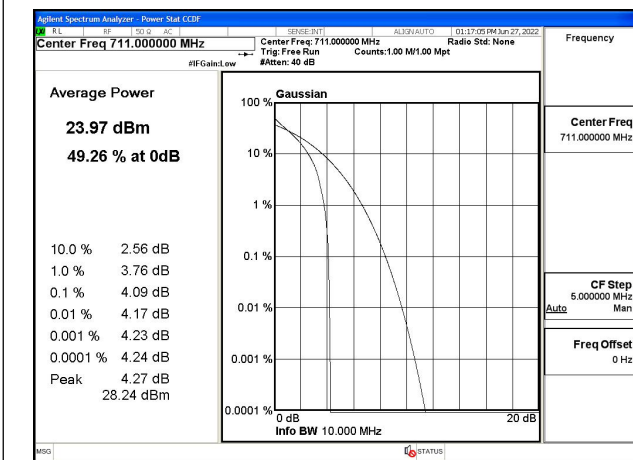


Fig.69

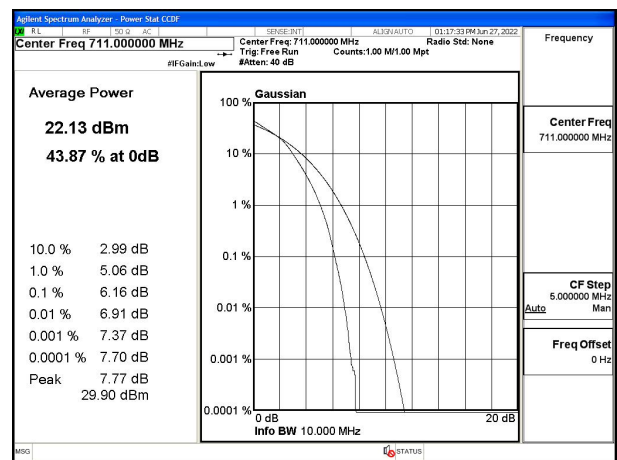


Fig.70

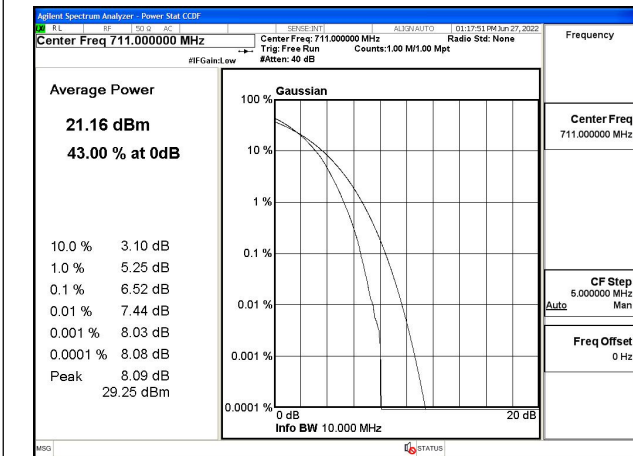


Fig.71

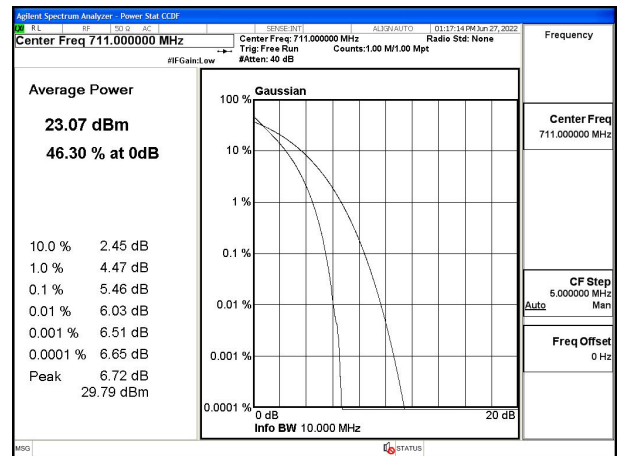


Fig.72

**5 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
12	707.5	23095	10	1	0	Fig.2
12	711	23130	10	1	0	Fig.3

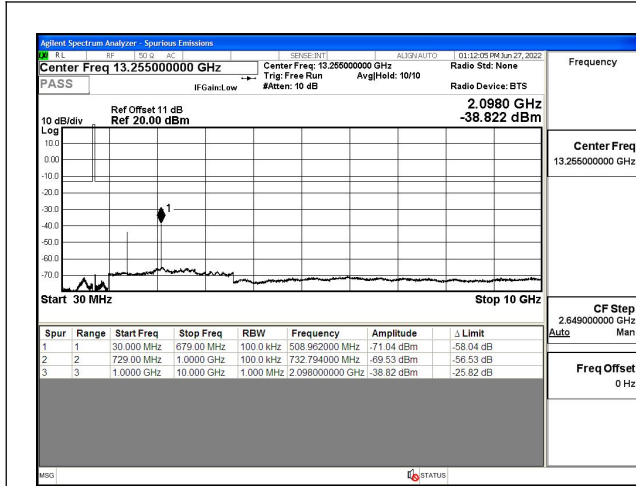


Fig.1

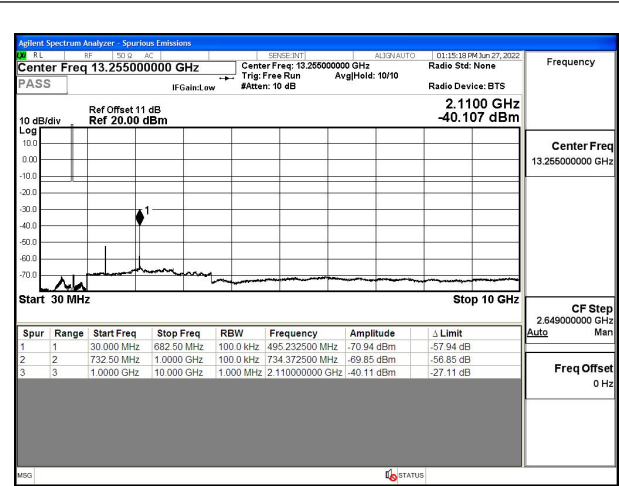


Fig.2

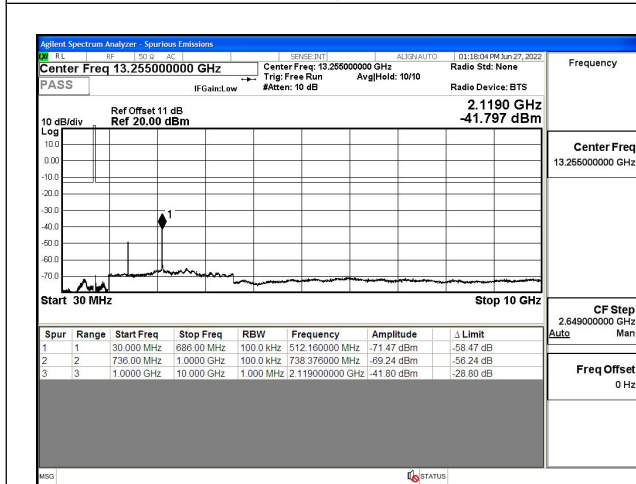


Fig.3

**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

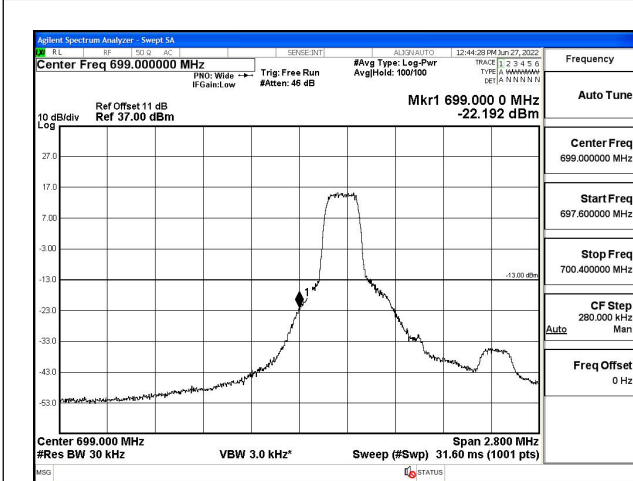


Fig.1

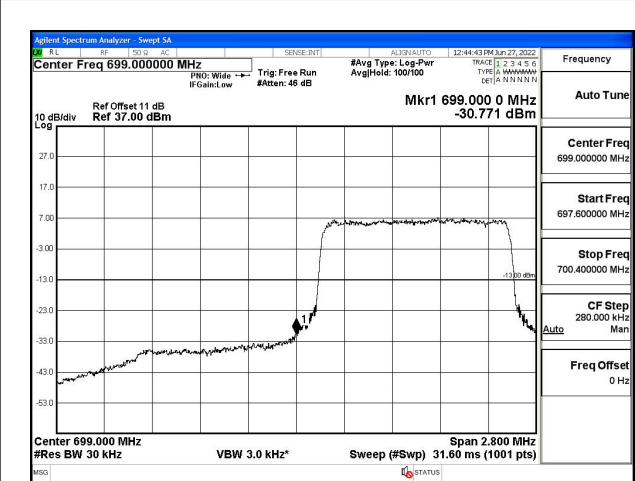


Fig.2

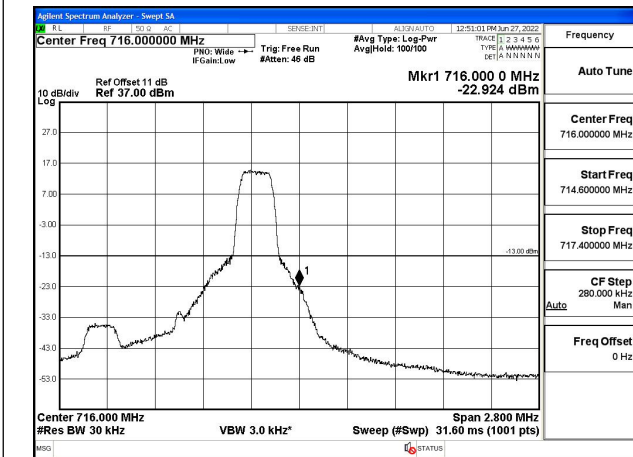


Fig.3

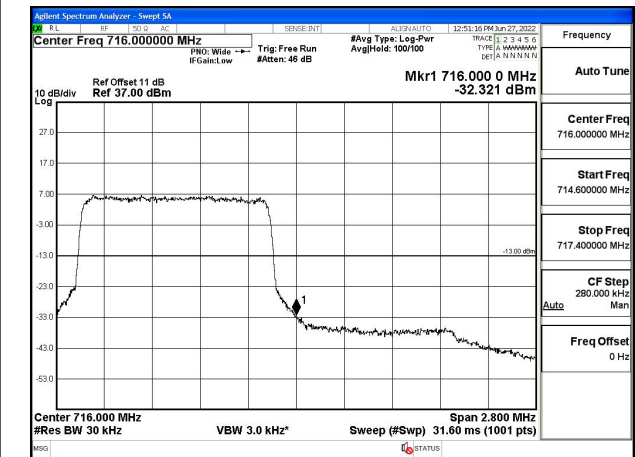


Fig.4

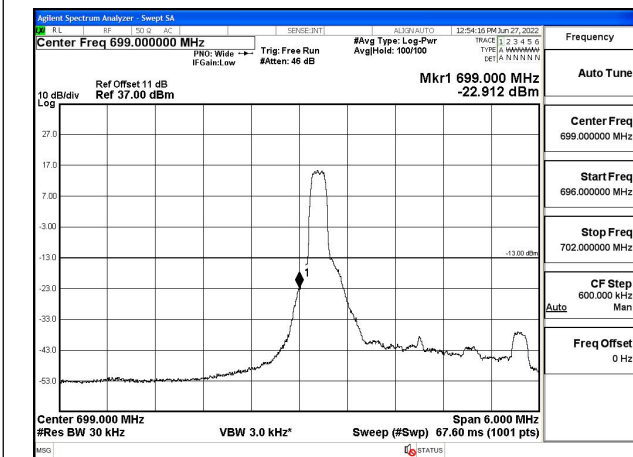


Fig.5

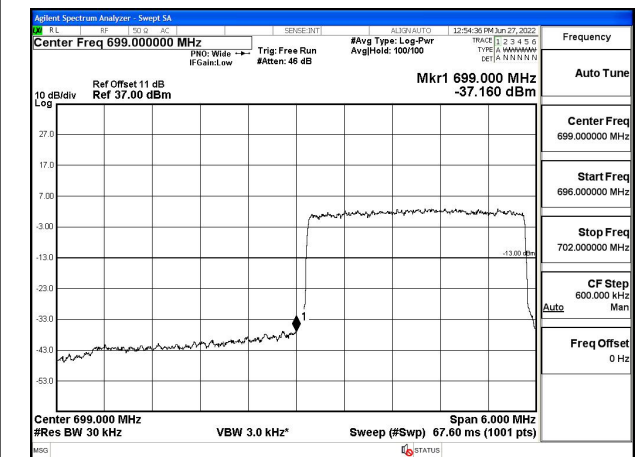


Fig.6

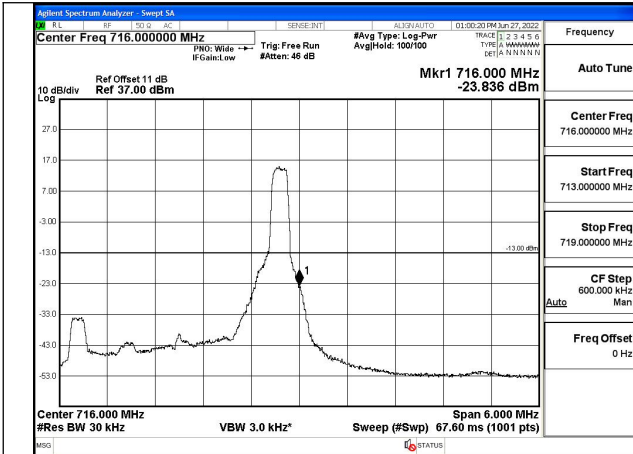


Fig.7

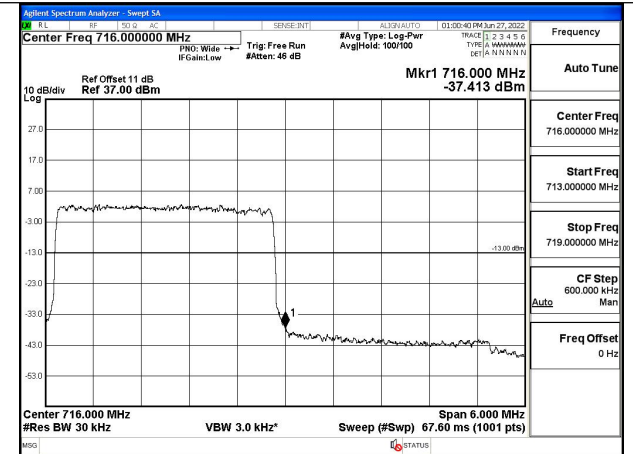


Fig.8

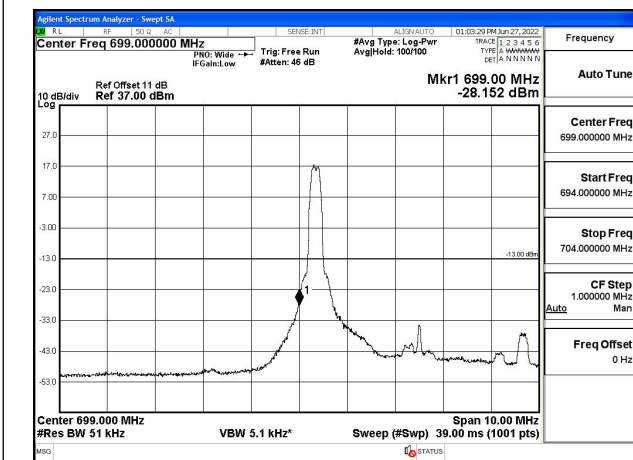


Fig.9

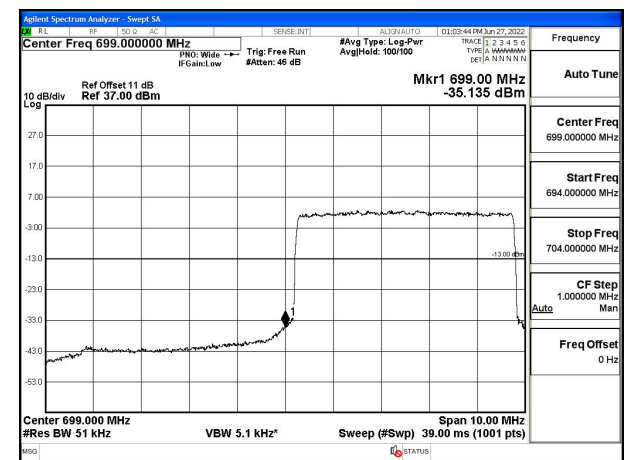


Fig.10

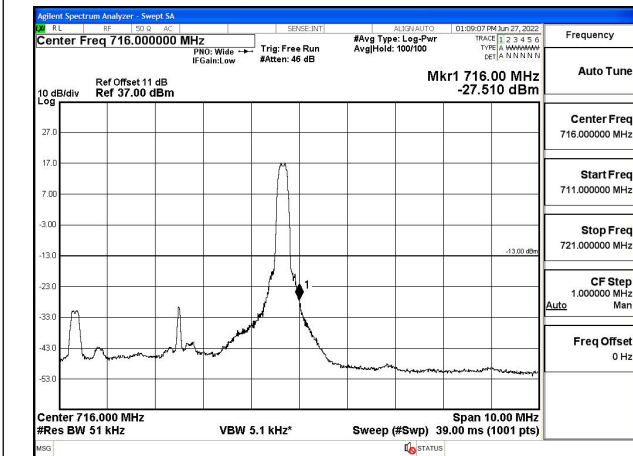


Fig.11

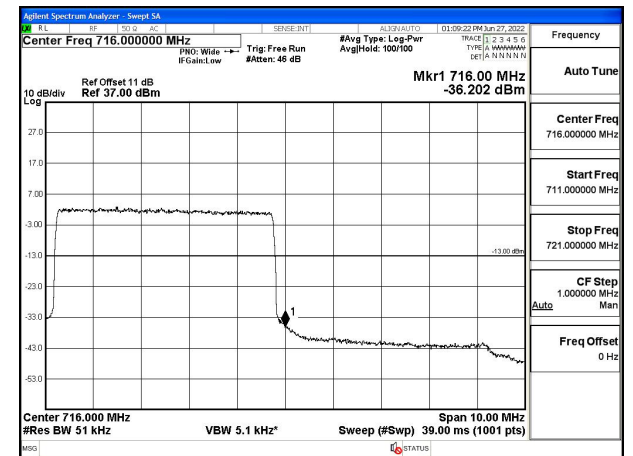


Fig.12

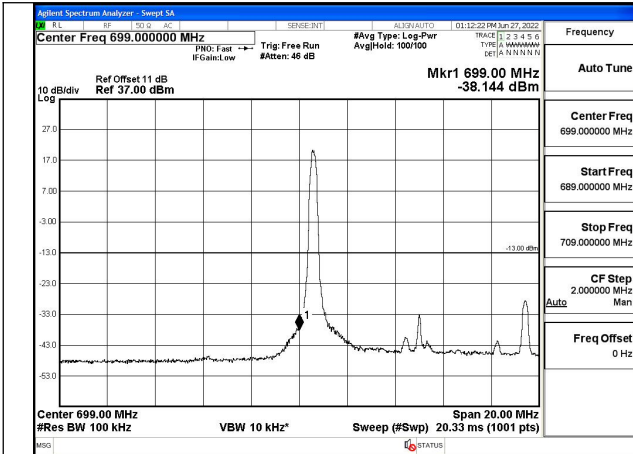


Fig.13

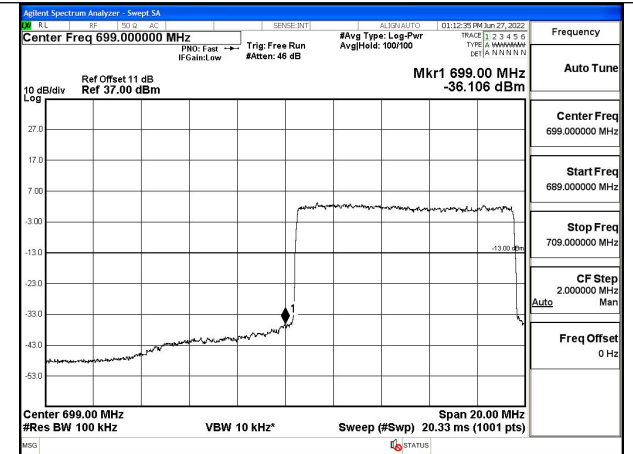


Fig.14

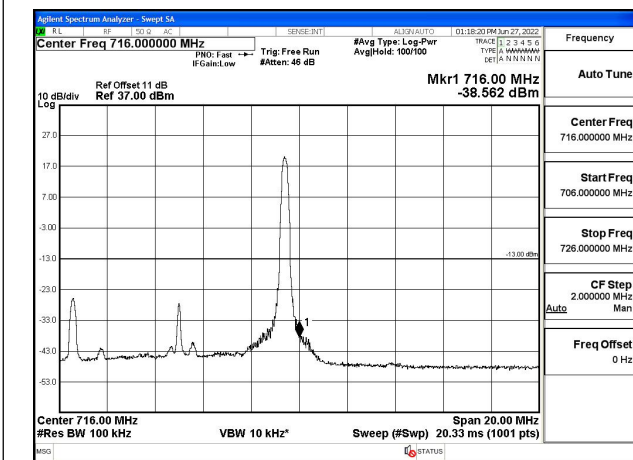


Fig.15

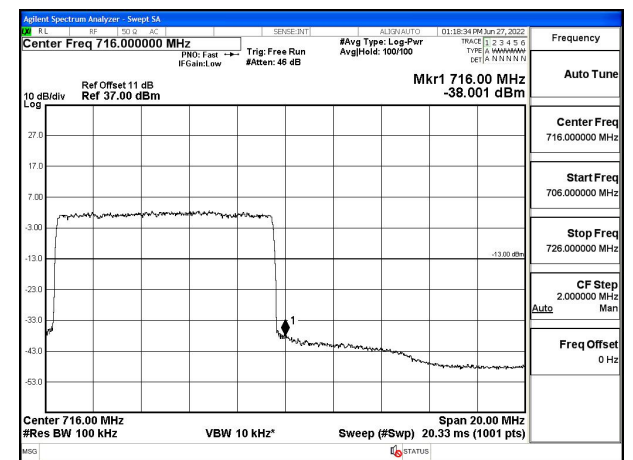


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.018	-0.015	-0.010	-0.012
0	NV	-0.019	-0.009	-0.007	-0.010
+10	NV	-0.013	-0.010	-0.010	-0.005
+20	NV	-0.016	-0.005	-0.005	-0.003
+30	NV	-0.022	-0.013	-0.005	-0.001
+40	NV	-0.020	-0.018	-0.009	-0.011
+50	NV	-0.017	-0.009	-0.010	-0.011
+55	NV	-0.019	-0.009	-0.004	-0.005
+20	LV	-0.013	-0.004	-0.007	-0.009
+20	HV	-0.014	-0.003	-0.008	-0.011

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.014	-0.009	-0.011	-0.009
0	NV	-0.011	-0.008	-0.013	-0.006
+10	NV	-0.011	-0.007	-0.005	-0.012
+20	NV	-0.008	-0.009	-0.008	-0.007
+30	NV	-0.013	-0.014	-0.008	-0.010
+40	NV	-0.007	-0.008	-0.012	-0.010
+50	NV	-0.008	-0.012	-0.006	-0.003
+55	NV	-0.012	-0.006	-0.004	-0.011
+20	LV	-0.008	-0.008	-0.009	-0.007
+20	HV	-0.006	-0.010	-0.009	-0.009



## 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	24.38	18.73	0.075
QPSK	699.7	23017	1.4	1	3	24.55	18.90	0.078
QPSK	699.7	23017	1.4	1	5	24.26	18.61	0.073
QPSK	699.7	23017	1.4	3	0	24.51	18.86	0.077
QPSK	699.7	23017	1.4	3	1	24.52	18.87	0.077
QPSK	699.7	23017	1.4	3	3	24.47	18.82	0.076
QPSK	699.7	23017	1.4	6	0	23.41	17.76	0.060
QPSK	707.5	23095	1.4	1	0	24.33	18.68	0.074
QPSK	707.5	23095	1.4	1	3	24.24	18.59	0.072
QPSK	707.5	23095	1.4	1	5	24.22	18.57	0.072
QPSK	707.5	23095	1.4	3	0	24.24	18.59	0.072
QPSK	707.5	23095	1.4	3	1	24.36	18.71	0.074
QPSK	707.5	23095	1.4	3	3	24.37	18.72	0.074
QPSK	707.5	23095	1.4	6	0	23.38	17.73	0.059
QPSK	715.3	23173	1.4	1	0	24.16	18.51	0.071
QPSK	715.3	23173	1.4	1	3	24.11	18.46	0.070
QPSK	715.3	23173	1.4	1	5	24.11	18.46	0.070
QPSK	715.3	23173	1.4	3	0	24.05	18.40	0.069
QPSK	715.3	23173	1.4	3	1	24.16	18.51	0.071
QPSK	715.3	23173	1.4	3	3	24.17	18.52	0.071
QPSK	715.3	23173	1.4	6	0	23.26	17.61	0.058

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	23.35	17.70	0.059
16QAM	699.7	23017	1.4	1	3	23.83	18.18	0.066
16QAM	699.7	23017	1.4	1	5	23.57	17.92	0.062
16QAM	699.7	23017	1.4	3	0	23.46	17.81	0.060
16QAM	699.7	23017	1.4	3	1	23.62	17.97	0.063
16QAM	699.7	23017	1.4	3	3	23.45	17.80	0.060
16QAM	699.7	23017	1.4	6	0	22.58	16.93	0.049
16QAM	707.5	23095	1.4	1	0	23.90	18.25	0.067
16QAM	707.5	23095	1.4	1	3	23.48	17.83	0.061
16QAM	707.5	23095	1.4	1	5	23.40	17.75	0.060
16QAM	707.5	23095	1.4	3	0	23.31	17.66	0.058
16QAM	707.5	23095	1.4	3	1	23.35	17.70	0.059
16QAM	707.5	23095	1.4	3	3	23.26	17.61	0.058
16QAM	707.5	23095	1.4	6	0	22.50	16.85	0.048
16QAM	715.3	23173	1.4	1	0	23.35	17.70	0.059
16QAM	715.3	23173	1.4	1	3	23.22	17.57	0.057
16QAM	715.3	23173	1.4	1	5	23.24	17.59	0.057
16QAM	715.3	23173	1.4	3	0	23.01	17.36	0.054
16QAM	715.3	23173	1.4	3	1	23.12	17.47	0.056
16QAM	715.3	23173	1.4	3	3	23.29	17.64	0.058
16QAM	715.3	23173	1.4	6	0	22.37	16.72	0.047
64QAM	699.7	23017	1.4	1	0	22.75	17.10	0.051
64QAM	699.7	23017	1.4	1	3	22.55	16.90	0.049
64QAM	699.7	23017	1.4	1	5	22.38	16.73	0.047
64QAM	699.7	23017	1.4	3	0	22.38	16.73	0.047
64QAM	699.7	23017	1.4	3	1	22.50	16.85	0.048
64QAM	699.7	23017	1.4	3	3	22.61	16.96	0.050
64QAM	699.7	23017	1.4	6	0	21.63	15.98	0.040
64QAM	707.5	23095	1.4	1	0	22.55	16.90	0.049
64QAM	707.5	23095	1.4	1	3	22.59	16.94	0.049
64QAM	707.5	23095	1.4	1	5	22.41	16.76	0.047
64QAM	707.5	23095	1.4	3	0	22.39	16.74	0.047
64QAM	707.5	23095	1.4	3	1	22.46	16.81	0.048
64QAM	707.5	23095	1.4	3	3	22.64	16.99	0.050
64QAM	707.5	23095	1.4	6	0	21.40	15.75	0.038
64QAM	715.3	23173	1.4	1	0	22.54	16.89	0.049
64QAM	715.3	23173	1.4	1	3	22.58	16.93	0.049
64QAM	715.3	23173	1.4	1	5	22.65	17.00	0.050
64QAM	715.3	23173	1.4	3	0	22.29	16.64	0.046
64QAM	715.3	23173	1.4	3	1	22.49	16.84	0.048
64QAM	715.3	23173	1.4	3	3	22.54	16.89	0.049
64QAM	715.3	23173	1.4	6	0	21.48	15.83	0.038

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	24.38	18.73	0.075
QPSK	700.5	23025	3	1	8	24.34	18.69	0.074
QPSK	700.5	23025	3	1	14	24.30	18.65	0.073
QPSK	700.5	23025	3	8	0	23.36	17.71	0.059
QPSK	700.5	23025	3	8	4	23.41	17.76	0.060
QPSK	700.5	23025	3	8	7	23.41	17.76	0.060
QPSK	700.5	23025	3	15	0	23.45	17.80	0.060
QPSK	707.5	23095	3	1	0	24.23	18.58	0.072
QPSK	707.5	23095	3	1	8	24.37	18.72	0.074
QPSK	707.5	23095	3	1	14	24.17	18.52	0.071
QPSK	707.5	23095	3	8	0	23.43	17.78	0.060
QPSK	707.5	23095	3	8	4	23.29	17.64	0.058
QPSK	707.5	23095	3	8	7	23.20	17.55	0.057
QPSK	707.5	23095	3	15	0	23.31	17.66	0.058
QPSK	714.5	23165	3	1	0	24.20	18.55	0.072
QPSK	714.5	23165	3	1	8	24.13	18.48	0.070
QPSK	714.5	23165	3	1	14	24.08	18.43	0.070
QPSK	714.5	23165	3	8	0	23.28	17.63	0.058
QPSK	714.5	23165	3	8	4	23.23	17.58	0.057
QPSK	714.5	23165	3	8	7	23.25	17.60	0.058
QPSK	714.5	23165	3	15	0	23.31	17.66	0.058

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	23.52	17.87	0.061
16QAM	700.5	23025	3	1	8	23.43	17.78	0.060
16QAM	700.5	23025	3	1	14	23.66	18.01	0.063
16QAM	700.5	23025	3	8	0	22.45	16.80	0.048
16QAM	700.5	23025	3	8	4	22.63	16.98	0.050
16QAM	700.5	23025	3	8	7	22.45	16.80	0.048
16QAM	700.5	23025	3	15	0	22.62	16.97	0.050
16QAM	707.5	23095	3	1	0	23.83	18.18	0.066
16QAM	707.5	23095	3	1	8	24.03	18.38	0.069
16QAM	707.5	23095	3	1	14	23.40	17.75	0.060
16QAM	707.5	23095	3	8	0	22.57	16.92	0.049
16QAM	707.5	23095	3	8	4	22.43	16.78	0.048
16QAM	707.5	23095	3	8	7	22.39	16.74	0.047
16QAM	707.5	23095	3	15	0	22.53	16.88	0.049
16QAM	714.5	23165	3	1	0	23.39	17.74	0.059
16QAM	714.5	23165	3	1	8	23.64	17.99	0.063
16QAM	714.5	23165	3	1	14	23.28	17.63	0.058
16QAM	714.5	23165	3	8	0	22.40	16.75	0.047
16QAM	714.5	23165	3	8	4	22.36	16.71	0.047
16QAM	714.5	23165	3	8	7	22.53	16.88	0.049
16QAM	714.5	23165	3	15	0	22.16	16.51	0.045
64QAM	700.5	23025	3	1	0	22.26	16.61	0.046
64QAM	700.5	23025	3	1	8	22.98	17.33	0.054
64QAM	700.5	23025	3	1	14	22.37	16.72	0.047
64QAM	700.5	23025	3	8	0	21.58	15.93	0.039
64QAM	700.5	23025	3	8	4	21.68	16.03	0.040
64QAM	700.5	23025	3	8	7	21.48	15.83	0.038
64QAM	700.5	23025	3	15	0	21.39	15.74	0.037
64QAM	707.5	23095	3	1	0	22.81	17.16	0.052
64QAM	707.5	23095	3	1	8	22.29	16.64	0.046
64QAM	707.5	23095	3	1	14	22.51	16.86	0.049
64QAM	707.5	23095	3	8	0	21.39	15.74	0.037
64QAM	707.5	23095	3	8	4	21.58	15.93	0.039
64QAM	707.5	23095	3	8	7	21.43	15.78	0.038
64QAM	707.5	23095	3	15	0	21.49	15.84	0.038
64QAM	714.5	23165	3	1	0	22.49	16.84	0.048
64QAM	714.5	23165	3	1	8	22.24	16.59	0.046
64QAM	714.5	23165	3	1	14	22.36	16.71	0.047
64QAM	714.5	23165	3	8	0	21.37	15.72	0.037
64QAM	714.5	23165	3	8	4	21.41	15.76	0.038
64QAM	714.5	23165	3	8	7	21.34	15.69	0.037
64QAM	714.5	23165	3	15	0	21.33	15.68	0.037

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	24.36	18.71	0.074
QPSK	701.5	23035	5	1	12	24.54	18.89	0.077
QPSK	701.5	23035	5	1	24	24.30	18.65	0.073
QPSK	701.5	23035	5	12	0	23.30	17.65	0.058
QPSK	701.5	23035	5	12	7	23.53	17.88	0.061
QPSK	701.5	23035	5	12	13	23.32	17.67	0.058
QPSK	701.5	23035	5	25	0	23.40	17.75	0.060
QPSK	707.5	23095	5	1	0	24.16	18.51	0.071
QPSK	707.5	23095	5	1	12	24.29	18.64	0.073
QPSK	707.5	23095	5	1	24	24.08	18.43	0.070
QPSK	707.5	23095	5	12	0	23.31	17.66	0.058
QPSK	707.5	23095	5	12	7	23.28	17.63	0.058
QPSK	707.5	23095	5	12	13	23.32	17.67	0.058
QPSK	707.5	23095	5	25	0	23.36	17.71	0.059
QPSK	713.5	23155	5	1	0	24.04	18.39	0.069
QPSK	713.5	23155	5	1	12	24.29	18.64	0.073
QPSK	713.5	23155	5	1	24	24.04	18.39	0.069
QPSK	713.5	23155	5	12	0	23.25	17.60	0.058
QPSK	713.5	23155	5	12	7	23.30	17.65	0.058
QPSK	713.5	23155	5	12	13	23.21	17.56	0.057
QPSK	713.5	23155	5	25	0	23.21	17.56	0.057

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	23.68	18.03	0.064
16QAM	701.5	23035	5	1	12	23.69	18.04	0.064
16QAM	701.5	23035	5	1	24	23.33	17.68	0.059
16QAM	701.5	23035	5	12	0	22.28	16.63	0.046
16QAM	701.5	23035	5	12	7	22.59	16.94	0.049
16QAM	701.5	23035	5	12	13	22.45	16.80	0.048
16QAM	701.5	23035	5	25	0	22.37	16.72	0.047
16QAM	707.5	23095	5	1	0	24.03	18.38	0.069
16QAM	707.5	23095	5	1	12	23.63	17.98	0.063
16QAM	707.5	23095	5	1	24	23.72	18.07	0.064
16QAM	707.5	23095	5	12	0	22.34	16.69	0.047
16QAM	707.5	23095	5	12	7	22.40	16.75	0.047
16QAM	707.5	23095	5	12	13	22.33	16.68	0.047
16QAM	707.5	23095	5	25	0	22.42	16.77	0.048
16QAM	713.5	23155	5	1	0	23.58	17.93	0.062
16QAM	713.5	23155	5	1	12	23.10	17.45	0.056
16QAM	713.5	23155	5	1	24	23.15	17.50	0.056
16QAM	713.5	23155	5	12	0	22.32	16.67	0.046
16QAM	713.5	23155	5	12	7	22.20	16.55	0.045
16QAM	713.5	23155	5	12	13	22.07	16.42	0.044
16QAM	713.5	23155	5	25	0	22.34	16.69	0.047
64QAM	701.5	23035	5	1	0	22.54	16.89	0.049
64QAM	701.5	23035	5	1	12	22.88	17.23	0.053
64QAM	701.5	23035	5	1	24	22.39	16.74	0.047
64QAM	701.5	23035	5	12	0	21.44	15.79	0.038
64QAM	701.5	23035	5	12	7	21.48	15.83	0.038
64QAM	701.5	23035	5	12	13	21.49	15.84	0.038
64QAM	701.5	23035	5	25	0	21.27	15.62	0.036
64QAM	707.5	23095	5	1	0	22.72	17.07	0.051
64QAM	707.5	23095	5	1	12	22.65	17.00	0.050
64QAM	707.5	23095	5	1	24	22.40	16.75	0.047
64QAM	707.5	23095	5	12	0	21.27	15.62	0.036
64QAM	707.5	23095	5	12	7	21.55	15.90	0.039
64QAM	707.5	23095	5	12	13	21.44	15.79	0.038
64QAM	707.5	23095	5	25	0	21.51	15.86	0.039
64QAM	713.5	23155	5	1	0	22.24	16.59	0.046
64QAM	713.5	23155	5	1	12	22.50	16.85	0.048
64QAM	713.5	23155	5	1	24	22.02	16.37	0.043
64QAM	713.5	23155	5	12	0	21.22	15.57	0.036
64QAM	713.5	23155	5	12	7	21.24	15.59	0.036
64QAM	713.5	23155	5	12	13	21.12	15.47	0.035
64QAM	713.5	23155	5	25	0	21.21	15.56	0.036

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	24.35	18.70	0.074
QPSK	704	23060	10	1	25	24.38	18.73	0.075
QPSK	704	23060	10	1	49	24.18	18.53	0.071
QPSK	704	23060	10	25	0	23.47	17.82	0.061
QPSK	704	23060	10	25	12	23.49	17.84	0.061
QPSK	704	23060	10	25	25	23.37	17.72	0.059
QPSK	704	23060	10	50	0	23.44	17.79	0.060
QPSK	707.5	23095	10	1	0	24.30	18.65	0.073
QPSK	707.5	23095	10	1	25	24.30	18.65	0.073
QPSK	707.5	23095	10	1	49	24.09	18.44	0.070
QPSK	707.5	23095	10	25	0	23.52	17.87	0.061
QPSK	707.5	23095	10	25	12	23.34	17.69	0.059
QPSK	707.5	23095	10	25	25	23.46	17.81	0.060
QPSK	707.5	23095	10	50	0	23.46	17.81	0.060
QPSK	711	23130	10	1	0	24.19	18.54	0.071
QPSK	711	23130	10	1	25	24.32	18.67	0.074
QPSK	711	23130	10	1	49	24.08	18.43	0.070
QPSK	711	23130	10	25	0	23.29	17.64	0.058
QPSK	711	23130	10	25	12	23.31	17.66	0.058
QPSK	711	23130	10	25	25	23.07	17.42	0.055
QPSK	711	23130	10	50	0	23.25	17.60	0.058

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	23.85	18.20	0.066
16QAM	704	23060	10	1	25	23.47	17.82	0.061
16QAM	704	23060	10	1	49	23.55	17.90	0.062
16QAM	704	23060	10	25	0	22.47	16.82	0.048
16QAM	704	23060	10	25	12	22.45	16.80	0.048
16QAM	704	23060	10	25	25	22.45	16.80	0.048
16QAM	704	23060	10	50	0	22.51	16.86	0.049
16QAM	707.5	23095	10	1	0	23.84	18.19	0.066
16QAM	707.5	23095	10	1	25	23.85	18.20	0.066
16QAM	707.5	23095	10	1	49	23.42	17.77	0.060
16QAM	707.5	23095	10	25	0	22.49	16.84	0.048
16QAM	707.5	23095	10	25	12	22.47	16.82	0.048
16QAM	707.5	23095	10	25	25	22.56	16.91	0.049
16QAM	707.5	23095	10	50	0	22.55	16.90	0.049
16QAM	711	23130	10	1	0	23.13	17.48	0.056
16QAM	711	23130	10	1	25	23.56	17.91	0.062
16QAM	711	23130	10	1	49	23.58	17.93	0.062
16QAM	711	23130	10	25	0	22.26	16.61	0.046
16QAM	711	23130	10	25	12	22.31	16.66	0.046
16QAM	711	23130	10	25	25	22.20	16.55	0.045
16QAM	711	23130	10	50	0	22.23	16.58	0.045
64QAM	704	23060	10	1	0	22.54	16.89	0.049
64QAM	704	23060	10	1	25	22.46	16.81	0.048
64QAM	704	23060	10	1	49	22.71	17.06	0.051
64QAM	704	23060	10	25	0	21.60	15.95	0.039
64QAM	704	23060	10	25	12	21.53	15.88	0.039
64QAM	704	23060	10	25	25	21.42	15.77	0.038
64QAM	704	23060	10	50	0	21.49	15.84	0.038
64QAM	707.5	23095	10	1	0	22.47	16.82	0.048
64QAM	707.5	23095	10	1	25	22.61	16.96	0.050
64QAM	707.5	23095	10	1	49	22.43	16.78	0.048
64QAM	707.5	23095	10	25	0	21.62	15.97	0.040
64QAM	707.5	23095	10	25	12	21.52	15.87	0.039
64QAM	707.5	23095	10	25	25	21.51	15.86	0.039
64QAM	707.5	23095	10	50	0	21.56	15.91	0.039
64QAM	711	23130	10	1	0	22.31	16.66	0.046
64QAM	711	23130	10	1	25	22.54	16.89	0.049
64QAM	711	23130	10	1	49	22.62	16.97	0.050
64QAM	711	23130	10	25	0	21.32	15.67	0.037
64QAM	711	23130	10	25	12	21.38	15.73	0.037
64QAM	711	23130	10	25	25	21.31	15.66	0.037
64QAM	711	23130	10	50	0	21.38	15.73	0.037