

Fig.61

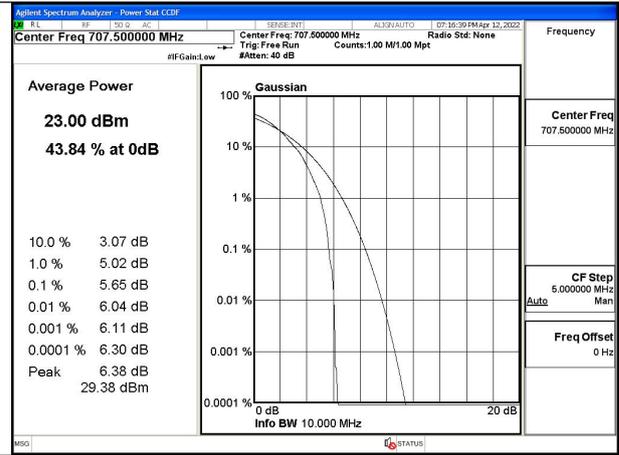


Fig.62

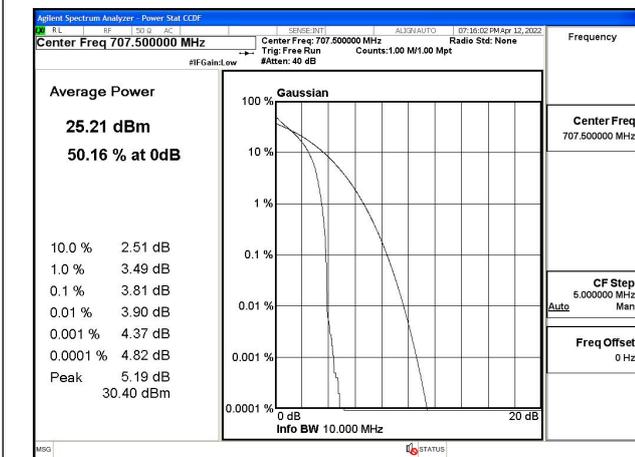


Fig.63

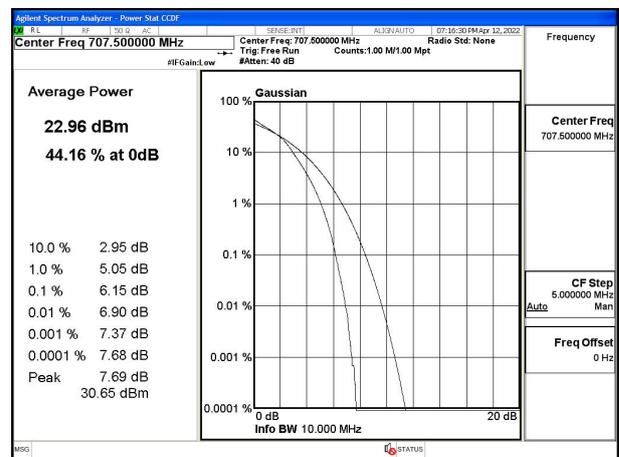


Fig.64

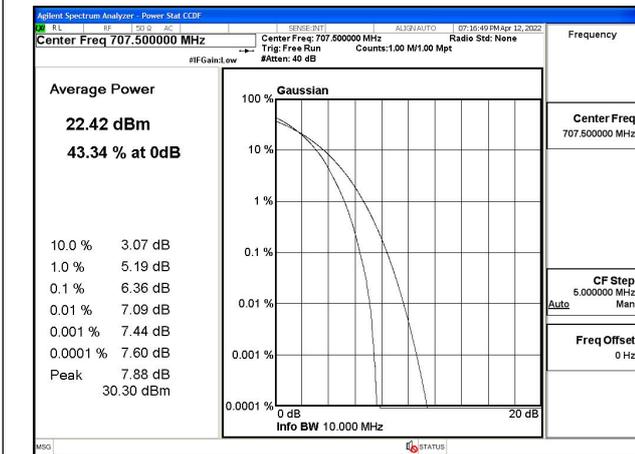


Fig.65

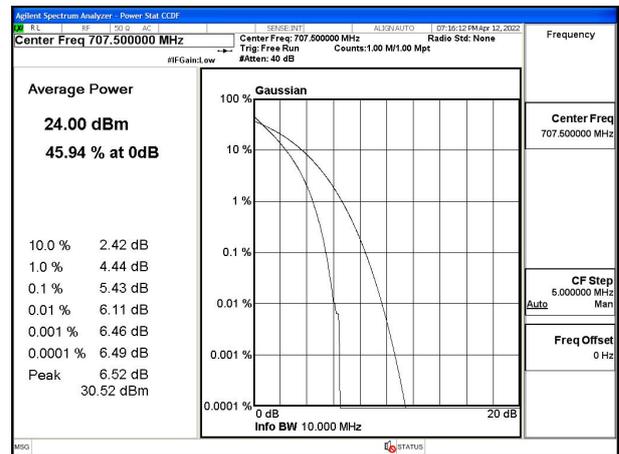


Fig.66

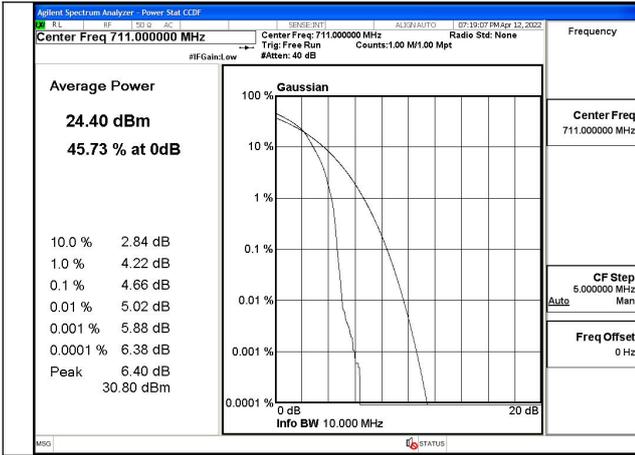


Fig.67

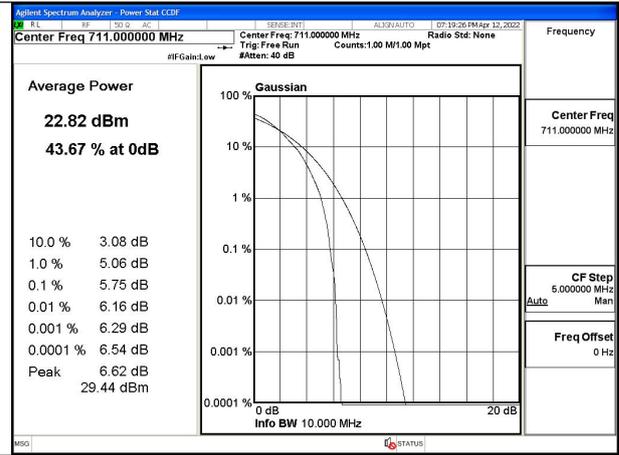


Fig.68

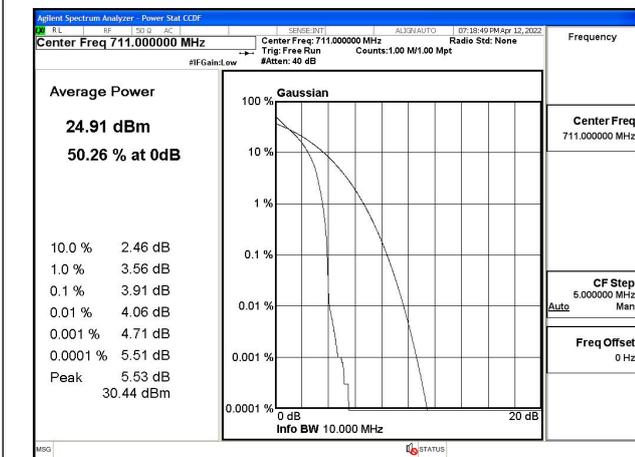


Fig.69

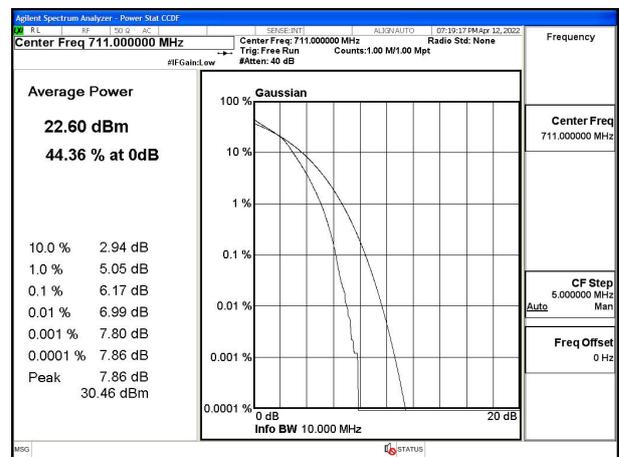


Fig.70

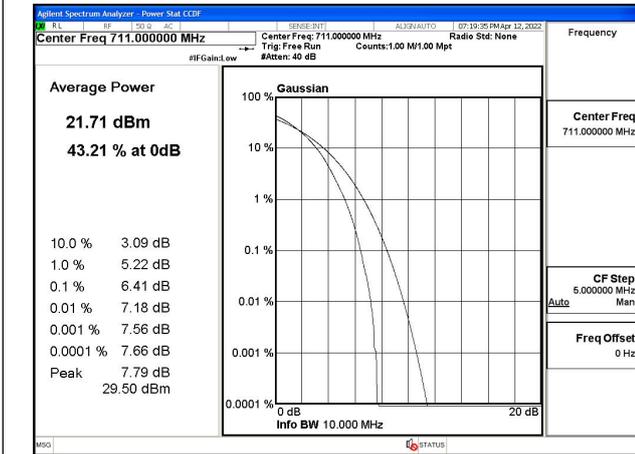


Fig.71

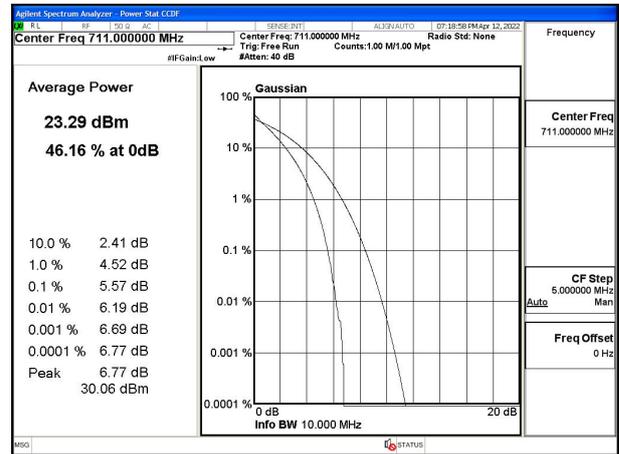


Fig.72

**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

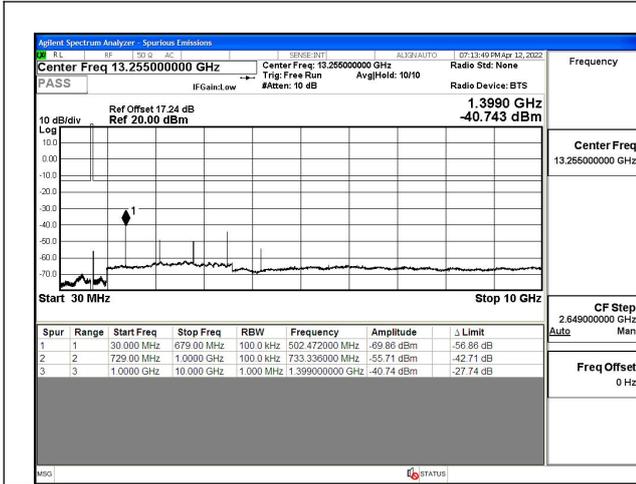


Fig.1

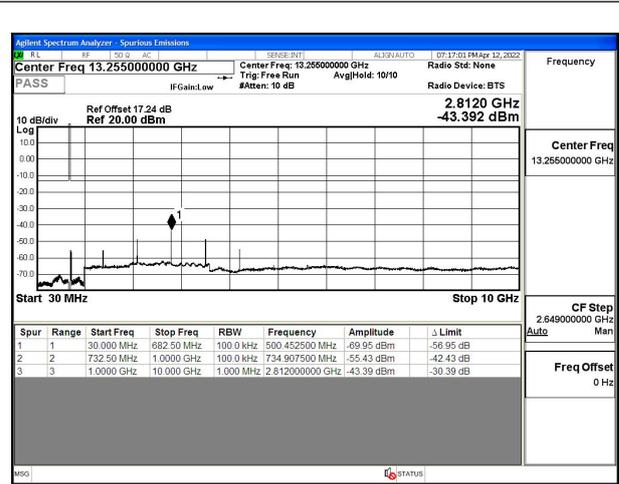


Fig.2

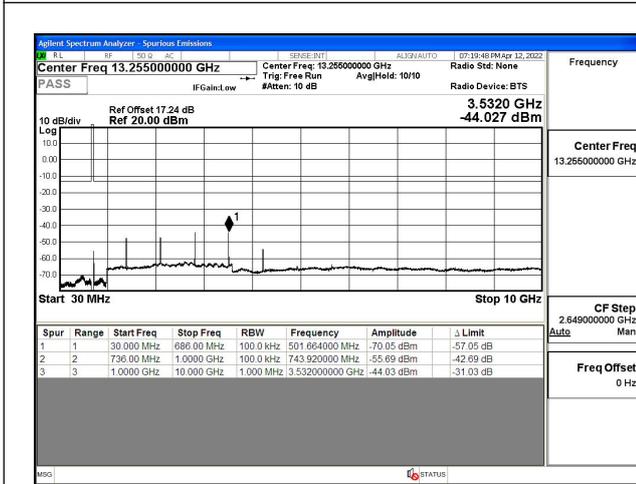


Fig.3

## 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

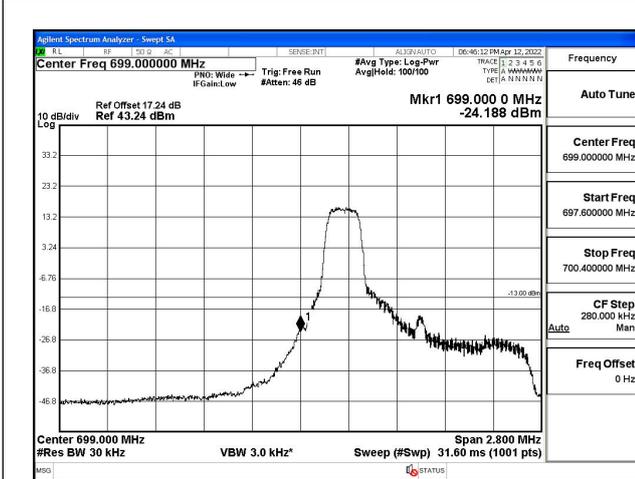


Fig.1

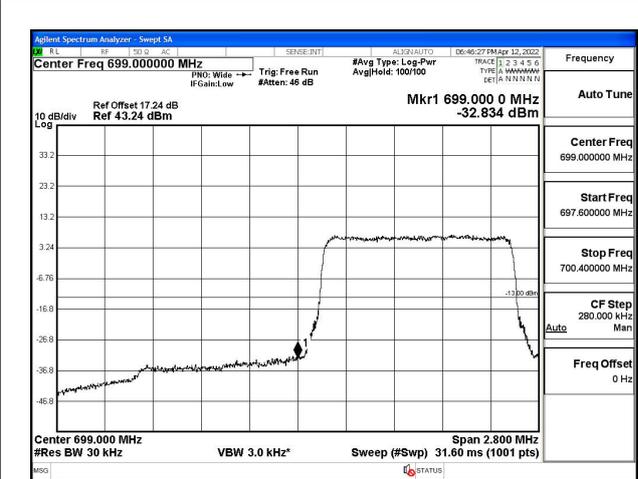


Fig.2

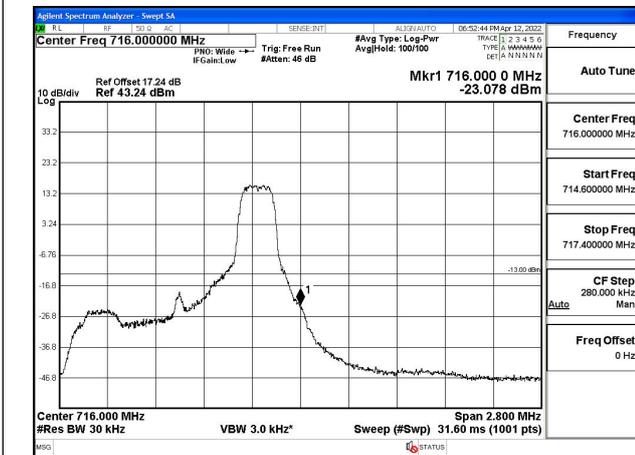


Fig.3

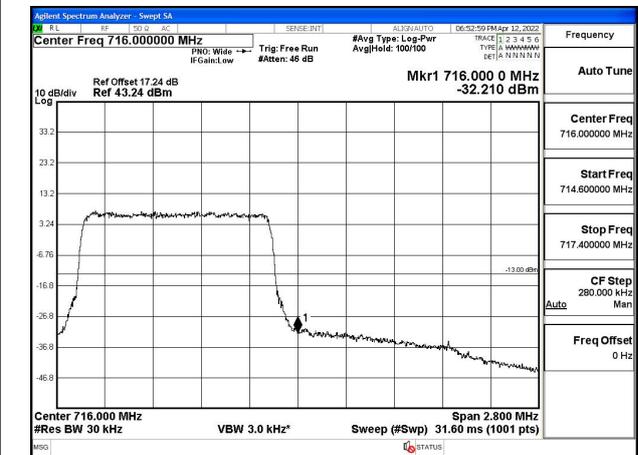


Fig.4

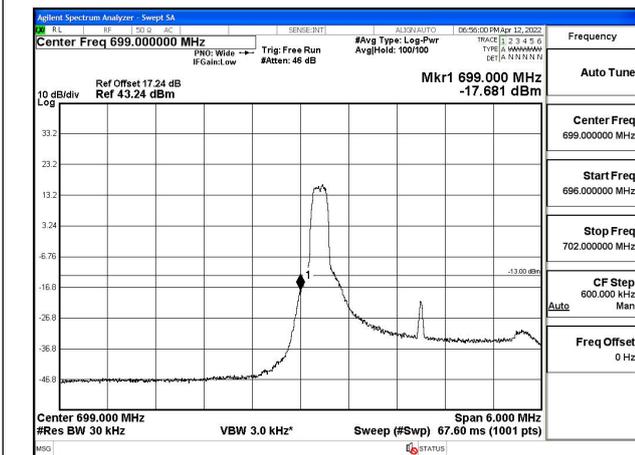


Fig.5

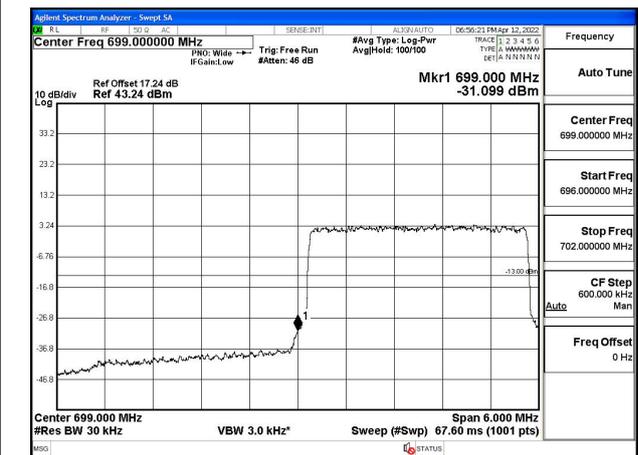


Fig.6

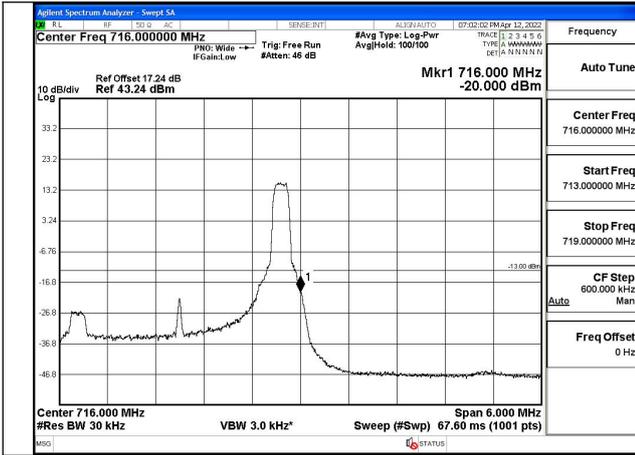


Fig.7

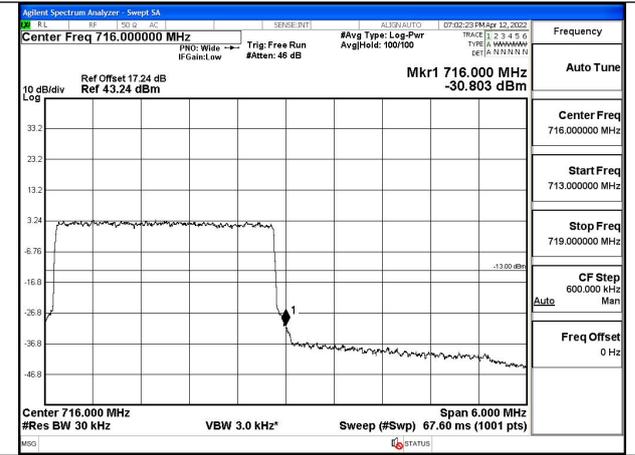


Fig.8

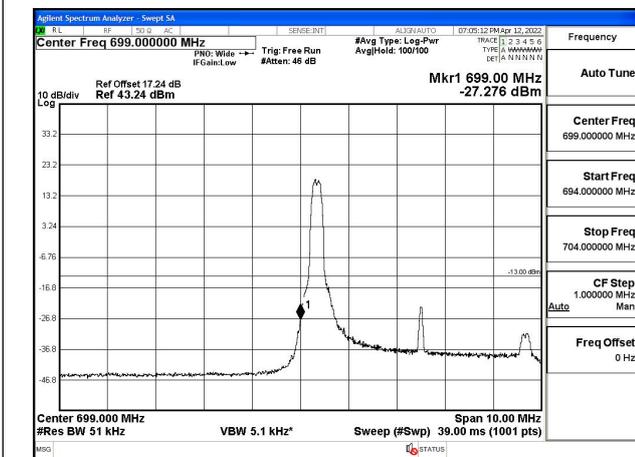


Fig.9

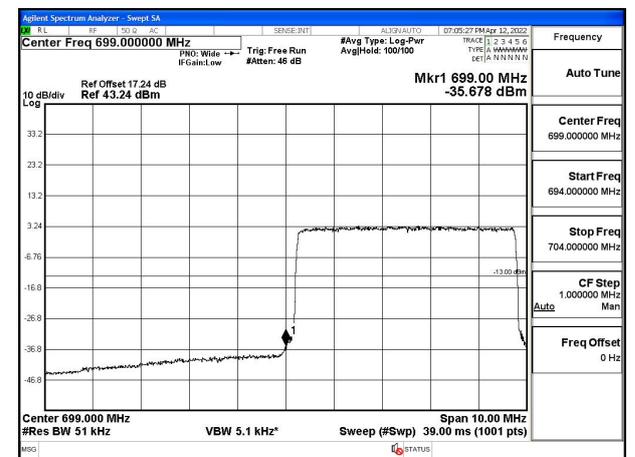


Fig.10

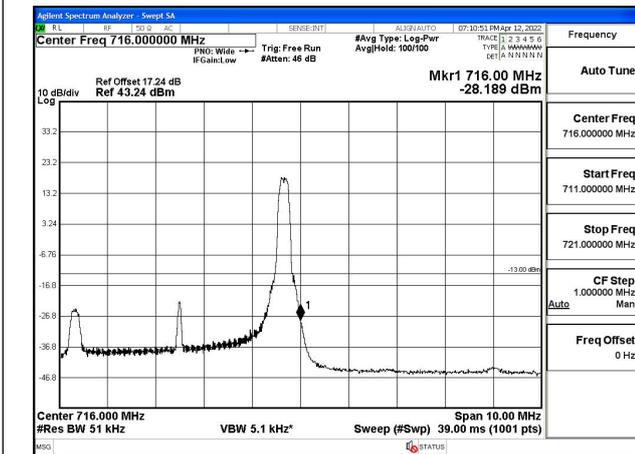


Fig.11

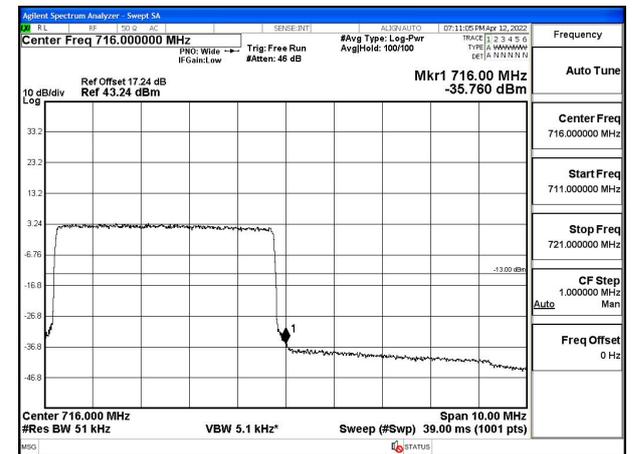


Fig.12

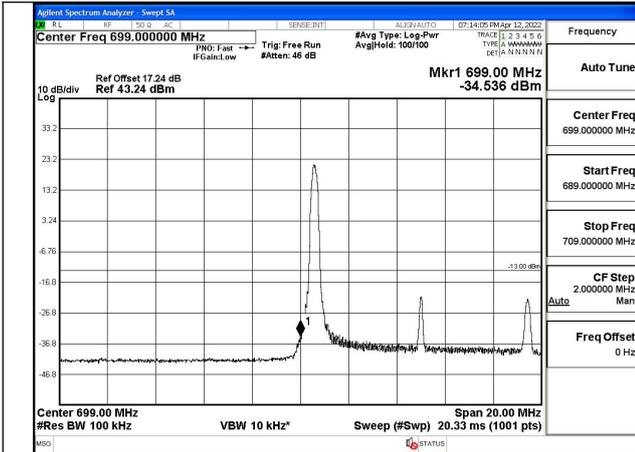


Fig.13

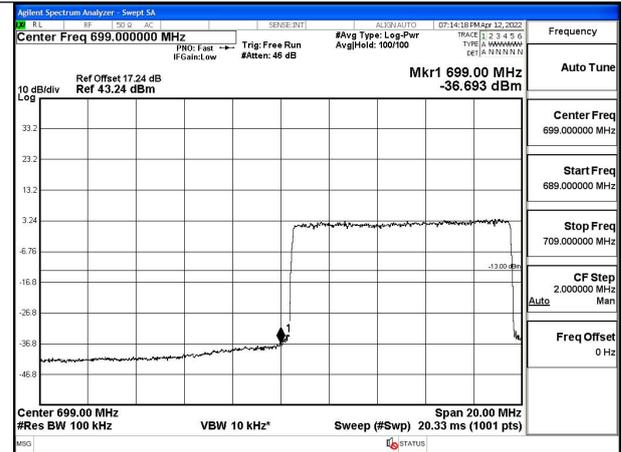


Fig.14

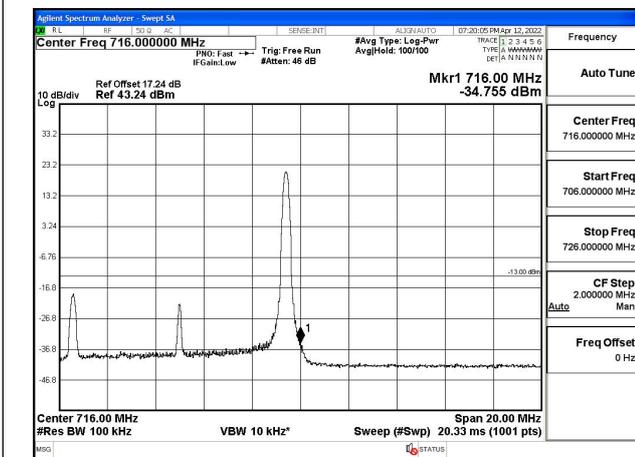


Fig.15

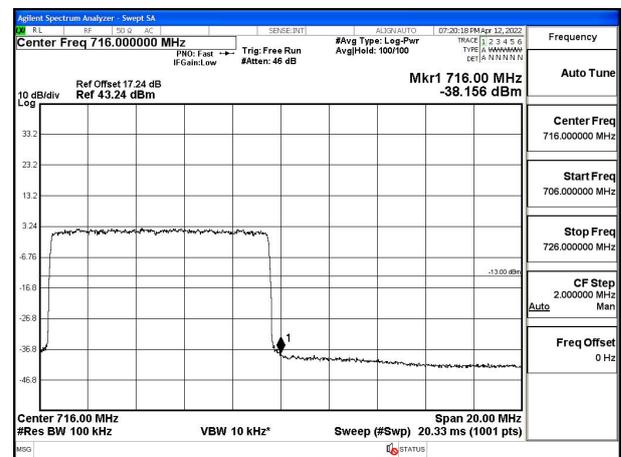


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.033	-0.034	-0.048	-0.042
-10	NV	-0.058	-0.040	-0.024	-0.020
0	NV	-0.034	-0.031	-0.035	-0.026
+10	NV	-0.065	-0.050	-0.043	-0.053
+20	NV	-0.055	-0.064	-0.042	0.033
+30	NV	-0.072	-0.048	-0.066	-0.044
+40	NV	-0.069	-0.055	-0.041	-0.056
+50	NV	-0.046	-0.037	-0.019	-0.027
+55	NV	-0.030	-0.058	-0.045	-0.038
+20	LV	-0.057	-0.029	-0.068	-0.044
+20	HV	-0.061	-0.037	-0.066	-0.051

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.046	-0.006	0.006	-0.014
-10	NV	-0.006	-0.035	0.002	0.016
0	NV	0.023	-0.003	0.005	-0.017
+10	NV	-0.067	-0.063	-0.063	-0.035
+20	NV	-0.053	-0.058	-0.039	-0.052
+30	NV	-0.020	-0.033	-0.046	-0.050
+40	NV	-0.063	-0.060	-0.027	-0.020
+50	NV	-0.054	-0.048	-0.051	-0.015
+55	NV	-0.064	-0.029	-0.060	-0.065
+20	LV	-0.069	-0.041	-0.051	-0.071
+20	HV	-0.018	-0.067	-0.027	-0.028

## 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	24.64	19.79	0.095
QPSK	699.7	23017	1.4	1	3	24.72	19.87	0.097
QPSK	699.7	23017	1.4	1	5	24.75	19.90	0.098
QPSK	699.7	23017	1.4	3	0	24.93	20.08	0.102
QPSK	699.7	23017	1.4	3	1	24.93	20.08	0.102
QPSK	699.7	23017	1.4	3	3	25.00	20.15	0.104
QPSK	699.7	23017	1.4	6	0	23.76	18.91	0.078
QPSK	707.5	23095	1.4	1	0	24.79	19.94	0.099
QPSK	707.5	23095	1.4	1	3	24.82	19.97	0.099
QPSK	707.5	23095	1.4	1	5	24.76	19.91	0.098
QPSK	707.5	23095	1.4	3	0	24.80	19.95	0.099
QPSK	707.5	23095	1.4	3	1	24.63	19.78	0.095
QPSK	707.5	23095	1.4	3	3	24.77	19.92	0.098
QPSK	707.5	23095	1.4	6	0	23.69	18.84	0.077
QPSK	715.3	23173	1.4	1	0	24.79	19.94	0.099
QPSK	715.3	23173	1.4	1	3	24.82	19.97	0.099
QPSK	715.3	23173	1.4	1	5	24.79	19.94	0.099
QPSK	715.3	23173	1.4	3	0	24.69	19.84	0.096
QPSK	715.3	23173	1.4	3	1	24.76	19.91	0.098
QPSK	715.3	23173	1.4	3	3	24.67	19.82	0.096
QPSK	715.3	23173	1.4	6	0	23.61	18.76	0.075

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	23.79	18.94	0.078
16QAM	699.7	23017	1.4	1	3	24.10	19.25	0.084
16QAM	699.7	23017	1.4	1	5	24.04	19.19	0.083
16QAM	699.7	23017	1.4	3	0	23.83	18.98	0.079
16QAM	699.7	23017	1.4	3	1	24.02	19.17	0.083
16QAM	699.7	23017	1.4	3	3	24.00	19.15	0.082
16QAM	699.7	23017	1.4	6	0	22.68	17.83	0.061
16QAM	707.5	23095	1.4	1	0	24.70	19.85	0.097
16QAM	707.5	23095	1.4	1	3	23.96	19.11	0.081
16QAM	707.5	23095	1.4	1	5	23.72	18.87	0.077
16QAM	707.5	23095	1.4	3	0	23.98	19.13	0.082
16QAM	707.5	23095	1.4	3	1	24.09	19.24	0.084
16QAM	707.5	23095	1.4	3	3	24.06	19.21	0.083
16QAM	707.5	23095	1.4	6	0	22.56	17.71	0.059
16QAM	715.3	23173	1.4	1	0	23.63	18.78	0.076
16QAM	715.3	23173	1.4	1	3	23.33	18.48	0.070
16QAM	715.3	23173	1.4	1	5	23.59	18.74	0.075
16QAM	715.3	23173	1.4	3	0	23.76	18.91	0.078
16QAM	715.3	23173	1.4	3	1	23.88	19.03	0.080
16QAM	715.3	23173	1.4	3	3	23.85	19.00	0.079
16QAM	715.3	23173	1.4	6	0	22.48	17.63	0.058
64QAM	699.7	23017	1.4	1	0	22.92	18.07	0.064
64QAM	699.7	23017	1.4	1	3	23.04	18.19	0.066
64QAM	699.7	23017	1.4	1	5	23.01	18.16	0.065
64QAM	699.7	23017	1.4	3	0	22.80	17.95	0.062
64QAM	699.7	23017	1.4	3	1	22.54	17.69	0.059
64QAM	699.7	23017	1.4	3	3	22.64	17.79	0.060
64QAM	699.7	23017	1.4	6	0	22.21	17.36	0.054
64QAM	707.5	23095	1.4	1	0	22.51	17.66	0.058
64QAM	707.5	23095	1.4	1	3	22.89	18.04	0.064
64QAM	707.5	23095	1.4	1	5	22.38	17.53	0.057
64QAM	707.5	23095	1.4	3	0	22.45	17.60	0.058
64QAM	707.5	23095	1.4	3	1	22.52	17.67	0.058
64QAM	707.5	23095	1.4	3	3	22.50	17.65	0.058
64QAM	707.5	23095	1.4	6	0	22.26	17.41	0.055
64QAM	715.3	23173	1.4	1	0	22.93	18.08	0.064
64QAM	715.3	23173	1.4	1	3	22.54	17.69	0.059
64QAM	715.3	23173	1.4	1	5	22.46	17.61	0.058
64QAM	715.3	23173	1.4	3	0	22.69	17.84	0.061
64QAM	715.3	23173	1.4	3	1	22.43	17.58	0.057
64QAM	715.3	23173	1.4	3	3	22.71	17.86	0.061
64QAM	715.3	23173	1.4	6	0	21.98	17.13	0.052

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	25.14	20.29	0.107
QPSK	700.5	23025	3	1	8	25.14	20.29	0.107
QPSK	700.5	23025	3	1	14	25.14	20.29	0.107
QPSK	700.5	23025	3	8	0	23.82	18.97	0.079
QPSK	700.5	23025	3	8	4	23.72	18.87	0.077
QPSK	700.5	23025	3	8	7	23.86	19.01	0.080
QPSK	700.5	23025	3	15	0	23.83	18.98	0.079
QPSK	707.5	23095	3	1	0	25.04	20.19	0.104
QPSK	707.5	23095	3	1	8	25.01	20.16	0.104
QPSK	707.5	23095	3	1	14	24.99	20.14	0.103
QPSK	707.5	23095	3	8	0	23.77	18.92	0.078
QPSK	707.5	23095	3	8	4	23.83	18.98	0.079
QPSK	707.5	23095	3	8	7	23.73	18.88	0.077
QPSK	707.5	23095	3	15	0	23.76	18.91	0.078
QPSK	714.5	23165	3	1	0	24.62	19.77	0.095
QPSK	714.5	23165	3	1	8	24.61	19.76	0.095
QPSK	714.5	23165	3	1	14	24.58	19.73	0.094
QPSK	714.5	23165	3	8	0	23.78	18.93	0.078
QPSK	714.5	23165	3	8	4	23.73	18.88	0.077
QPSK	714.5	23165	3	8	7	23.78	18.93	0.078
QPSK	714.5	23165	3	15	0	23.68	18.83	0.076

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	24.16	19.31	0.085
16QAM	700.5	23025	3	1	8	23.53	18.68	0.074
16QAM	700.5	23025	3	1	14	23.83	18.98	0.079
16QAM	700.5	23025	3	8	0	22.97	18.12	0.065
16QAM	700.5	23025	3	8	4	23.03	18.18	0.066
16QAM	700.5	23025	3	8	7	23.37	18.52	0.071
16QAM	700.5	23025	3	15	0	22.70	17.85	0.061
16QAM	707.5	23095	3	1	0	24.11	19.26	0.084
16QAM	707.5	23095	3	1	8	23.93	19.08	0.081
16QAM	707.5	23095	3	1	14	23.53	18.68	0.074
16QAM	707.5	23095	3	8	0	22.99	18.14	0.065
16QAM	707.5	23095	3	8	4	22.86	18.01	0.063
16QAM	707.5	23095	3	8	7	22.91	18.06	0.064
16QAM	707.5	23095	3	15	0	22.71	17.86	0.061
16QAM	714.5	23165	3	1	0	24.42	19.57	0.091
16QAM	714.5	23165	3	1	8	24.15	19.30	0.085
16QAM	714.5	23165	3	1	14	24.24	19.39	0.087
16QAM	714.5	23165	3	8	0	22.90	18.05	0.064
16QAM	714.5	23165	3	8	4	22.86	18.01	0.063
16QAM	714.5	23165	3	8	7	22.73	17.88	0.061
16QAM	714.5	23165	3	15	0	22.92	18.07	0.064
64QAM	700.5	23025	3	1	0	22.75	17.90	0.062
64QAM	700.5	23025	3	1	8	22.89	18.04	0.064
64QAM	700.5	23025	3	1	14	23.71	18.86	0.077
64QAM	700.5	23025	3	8	0	22.24	17.39	0.055
64QAM	700.5	23025	3	8	4	22.23	17.38	0.055
64QAM	700.5	23025	3	8	7	22.19	17.34	0.054
64QAM	700.5	23025	3	15	0	22.54	17.69	0.059
64QAM	707.5	23095	3	1	0	22.99	18.14	0.065
64QAM	707.5	23095	3	1	8	22.84	17.99	0.063
64QAM	707.5	23095	3	1	14	22.68	17.83	0.061
64QAM	707.5	23095	3	8	0	22.05	17.20	0.052
64QAM	707.5	23095	3	8	4	22.04	17.19	0.052
64QAM	707.5	23095	3	8	7	22.12	17.27	0.053
64QAM	707.5	23095	3	15	0	22.28	17.43	0.055
64QAM	714.5	23165	3	1	0	22.80	17.95	0.062
64QAM	714.5	23165	3	1	8	22.41	17.56	0.057
64QAM	714.5	23165	3	1	14	22.83	17.98	0.063
64QAM	714.5	23165	3	8	0	22.11	17.26	0.053
64QAM	714.5	23165	3	8	4	22.06	17.21	0.053
64QAM	714.5	23165	3	8	7	22.10	17.25	0.053
64QAM	714.5	23165	3	15	0	22.21	17.36	0.054

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	24.95	20.10	0.102
QPSK	701.5	23035	5	1	12	24.86	20.01	0.100
QPSK	701.5	23035	5	1	24	24.86	20.01	0.100
QPSK	701.5	23035	5	12	0	23.90	19.05	0.080
QPSK	701.5	23035	5	12	7	23.72	18.87	0.077
QPSK	701.5	23035	5	12	13	23.68	18.83	0.076
QPSK	701.5	23035	5	25	0	23.71	18.86	0.077
QPSK	707.5	23095	5	1	0	24.95	20.10	0.102
QPSK	707.5	23095	5	1	12	24.87	20.02	0.100
QPSK	707.5	23095	5	1	24	24.19	19.34	0.086
QPSK	707.5	23095	5	12	0	23.85	19.00	0.079
QPSK	707.5	23095	5	12	7	23.80	18.95	0.079
QPSK	707.5	23095	5	12	13	23.77	18.92	0.078
QPSK	707.5	23095	5	25	0	23.64	18.79	0.076
QPSK	713.5	23155	5	1	0	25.11	20.26	0.106
QPSK	713.5	23155	5	1	12	25.02	20.17	0.104
QPSK	713.5	23155	5	1	24	25.00	20.15	0.104
QPSK	713.5	23155	5	12	0	23.80	18.95	0.079
QPSK	713.5	23155	5	12	7	23.81	18.96	0.079
QPSK	713.5	23155	5	12	13	23.80	18.95	0.079
QPSK	713.5	23155	5	25	0	23.65	18.80	0.076

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	24.64	19.79	0.095
16QAM	701.5	23035	5	1	12	24.25	19.40	0.087
16QAM	701.5	23035	5	1	24	24.61	19.76	0.095
16QAM	701.5	23035	5	12	0	22.73	17.88	0.061
16QAM	701.5	23035	5	12	7	23.30	18.45	0.070
16QAM	701.5	23035	5	12	13	23.15	18.30	0.068
16QAM	701.5	23035	5	25	0	23.34	18.49	0.071
16QAM	707.5	23095	5	1	0	24.09	19.24	0.084
16QAM	707.5	23095	5	1	12	23.98	19.13	0.082
16QAM	707.5	23095	5	1	24	23.33	18.48	0.070
16QAM	707.5	23095	5	12	0	22.84	17.99	0.063
16QAM	707.5	23095	5	12	7	22.79	17.94	0.062
16QAM	707.5	23095	5	12	13	22.79	17.94	0.062
16QAM	707.5	23095	5	25	0	22.57	17.72	0.059
16QAM	713.5	23155	5	1	0	23.44	18.59	0.072
16QAM	713.5	23155	5	1	12	24.03	19.18	0.083
16QAM	713.5	23155	5	1	24	23.91	19.06	0.081
16QAM	713.5	23155	5	12	0	22.91	18.06	0.064
16QAM	713.5	23155	5	12	7	22.74	17.89	0.062
16QAM	713.5	23155	5	12	13	22.67	17.82	0.061
16QAM	713.5	23155	5	25	0	22.89	18.04	0.064
64QAM	701.5	23035	5	1	0	22.85	18.00	0.063
64QAM	701.5	23035	5	1	12	23.09	18.24	0.067
64QAM	701.5	23035	5	1	24	23.19	18.34	0.068
64QAM	701.5	23035	5	12	0	23.17	18.32	0.068
64QAM	701.5	23035	5	12	7	22.31	17.46	0.056
64QAM	701.5	23035	5	12	13	22.23	17.38	0.055
64QAM	701.5	23035	5	25	0	22.19	17.34	0.054
64QAM	707.5	23095	5	1	0	22.89	18.04	0.064
64QAM	707.5	23095	5	1	12	23.11	18.26	0.067
64QAM	707.5	23095	5	1	24	22.57	17.72	0.059
64QAM	707.5	23095	5	12	0	22.15	17.30	0.054
64QAM	707.5	23095	5	12	7	22.19	17.34	0.054
64QAM	707.5	23095	5	12	13	22.02	17.17	0.052
64QAM	707.5	23095	5	25	0	22.00	17.15	0.052
64QAM	713.5	23155	5	1	0	22.73	17.88	0.061
64QAM	713.5	23155	5	1	12	23.02	18.17	0.066
64QAM	713.5	23155	5	1	24	22.60	17.75	0.060
64QAM	713.5	23155	5	12	0	22.16	17.31	0.054
64QAM	713.5	23155	5	12	7	22.11	17.26	0.053
64QAM	713.5	23155	5	12	13	22.01	17.16	0.052
64QAM	713.5	23155	5	25	0	22.14	17.29	0.054

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	25.08	20.23	0.105
QPSK	704	23060	10	1	25	25.12	20.27	0.106
QPSK	704	23060	10	1	49	24.97	20.12	0.103
QPSK	704	23060	10	25	0	23.86	19.01	0.080
QPSK	704	23060	10	25	12	23.86	19.01	0.080
QPSK	704	23060	10	25	25	23.91	19.06	0.081
QPSK	704	23060	10	50	0	23.96	19.11	0.081
QPSK	707.5	23095	10	1	0	25.19	20.34	0.108
QPSK	707.5	23095	10	1	25	25.05	20.20	0.105
QPSK	707.5	23095	10	1	49	24.86	20.01	0.100
QPSK	707.5	23095	10	25	0	23.71	18.86	0.077
QPSK	707.5	23095	10	25	12	23.64	18.79	0.076
QPSK	707.5	23095	10	25	25	23.16	18.31	0.068
QPSK	707.5	23095	10	50	0	23.65	18.80	0.076
QPSK	711	23130	10	1	0	24.81	19.96	0.099
QPSK	711	23130	10	1	25	24.05	19.20	0.083
QPSK	711	23130	10	1	49	24.79	19.94	0.099
QPSK	711	23130	10	25	0	23.70	18.85	0.077
QPSK	711	23130	10	25	12	23.10	18.25	0.067
QPSK	711	23130	10	25	25	23.67	18.82	0.076
QPSK	711	23130	10	50	0	23.21	18.36	0.069

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	24.18	19.33	0.086
16QAM	704	23060	10	1	25	23.76	18.91	0.078
16QAM	704	23060	10	1	49	23.54	18.69	0.074
16QAM	704	23060	10	25	0	23.53	18.68	0.074
16QAM	704	23060	10	25	12	23.36	18.51	0.071
16QAM	704	23060	10	25	25	23.06	18.21	0.066
16QAM	704	23060	10	50	0	23.25	18.40	0.069
16QAM	707.5	23095	10	1	0	23.57	18.72	0.074
16QAM	707.5	23095	10	1	25	23.47	18.62	0.073
16QAM	707.5	23095	10	1	49	23.54	18.69	0.074
16QAM	707.5	23095	10	25	0	22.96	18.11	0.065
16QAM	707.5	23095	10	25	12	22.91	18.06	0.064
16QAM	707.5	23095	10	25	25	22.68	17.83	0.061
16QAM	707.5	23095	10	50	0	22.94	18.09	0.064
16QAM	711	23130	10	1	0	24.06	19.21	0.083
16QAM	711	23130	10	1	25	23.13	18.28	0.067
16QAM	711	23130	10	1	49	24.54	19.69	0.093
16QAM	711	23130	10	25	0	22.60	17.75	0.060
16QAM	711	23130	10	25	12	22.38	17.53	0.057
16QAM	711	23130	10	25	25	22.38	17.53	0.057
16QAM	711	23130	10	50	0	22.38	17.53	0.057
64QAM	704	23060	10	1	0	22.65	17.80	0.060
64QAM	704	23060	10	1	25	23.63	18.78	0.076
64QAM	704	23060	10	1	49	22.95	18.10	0.065
64QAM	704	23060	10	25	0	22.35	17.50	0.056
64QAM	704	23060	10	25	12	22.44	17.59	0.057
64QAM	704	23060	10	25	25	22.13	17.28	0.053
64QAM	704	23060	10	50	0	22.22	17.37	0.055
64QAM	707.5	23095	10	1	0	23.41	18.56	0.072
64QAM	707.5	23095	10	1	25	22.89	18.04	0.064
64QAM	707.5	23095	10	1	49	22.84	17.99	0.063
64QAM	707.5	23095	10	25	0	22.37	17.52	0.056
64QAM	707.5	23095	10	25	12	22.18	17.33	0.054
64QAM	707.5	23095	10	25	25	21.46	16.61	0.046
64QAM	707.5	23095	10	50	0	22.18	17.33	0.054
64QAM	711	23130	10	1	0	22.61	17.76	0.060
64QAM	711	23130	10	1	25	22.49	17.64	0.058
64QAM	711	23130	10	1	49	21.91	17.06	0.051
64QAM	711	23130	10	25	0	22.14	17.29	0.054
64QAM	711	23130	10	25	12	21.41	16.56	0.045
64QAM	711	23130	10	25	25	22.17	17.32	0.054
64QAM	711	23130	10	50	0	21.49	16.64	0.046