

Fig.61

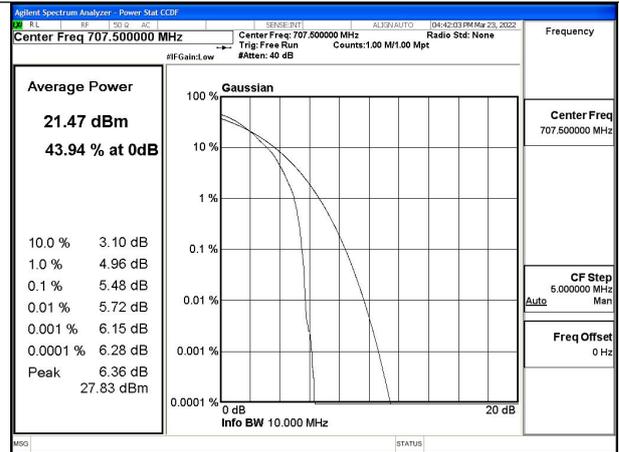


Fig.62

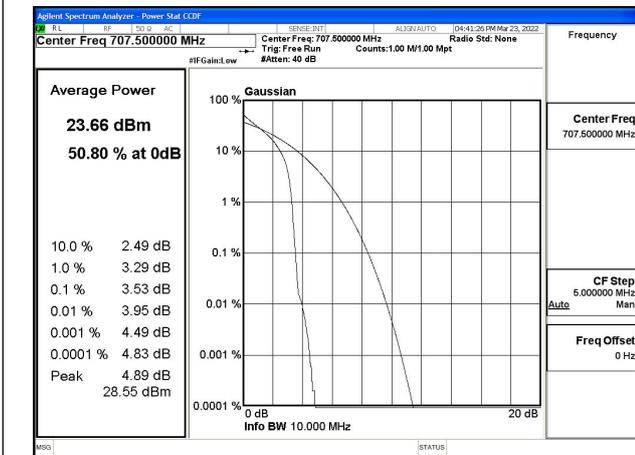


Fig.63

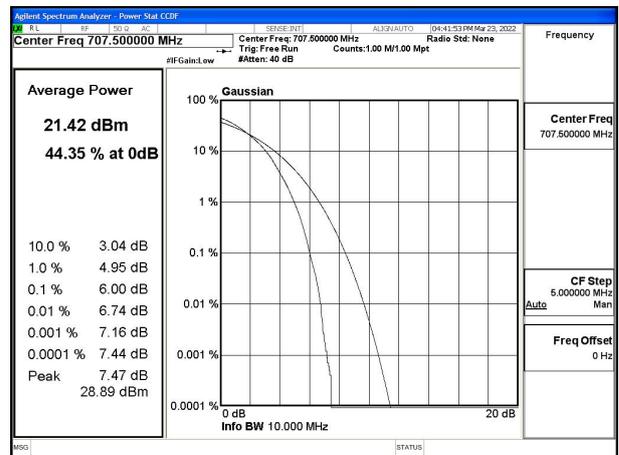


Fig.64

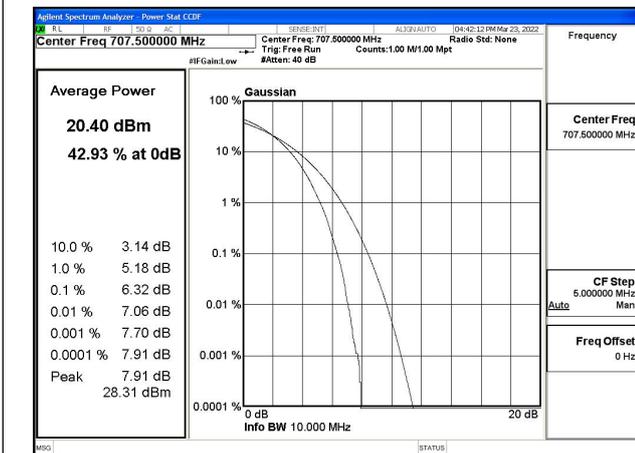


Fig.65

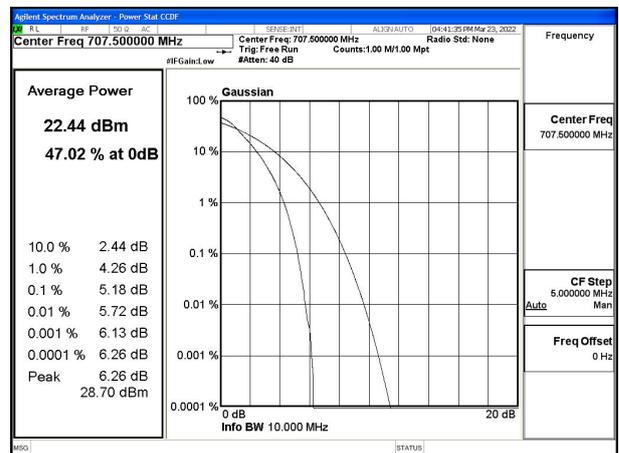


Fig.66

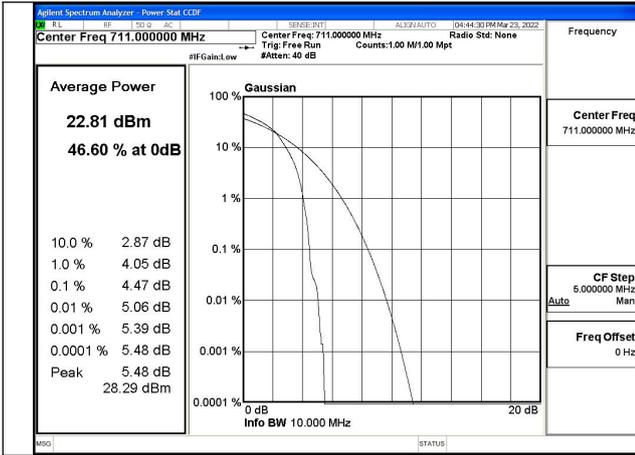


Fig.67

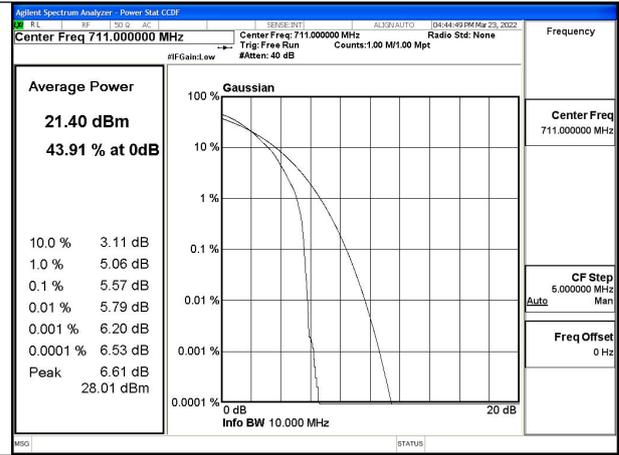


Fig.68

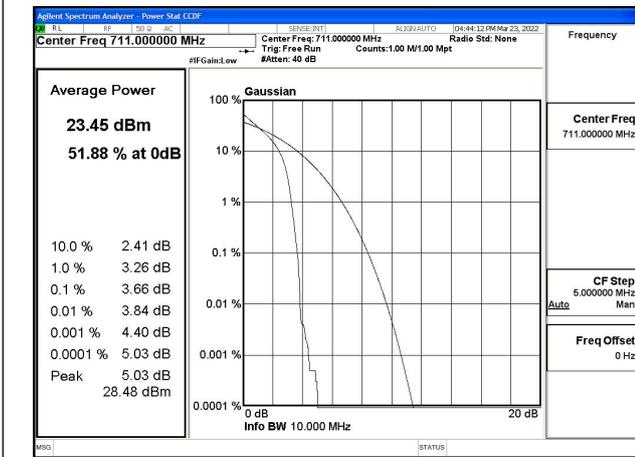


Fig.69

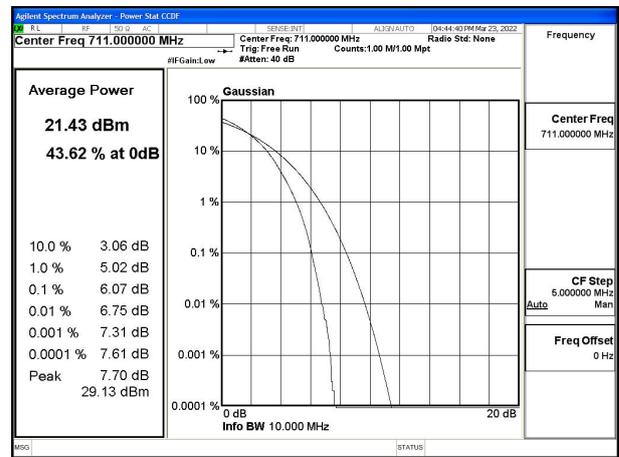


Fig.70

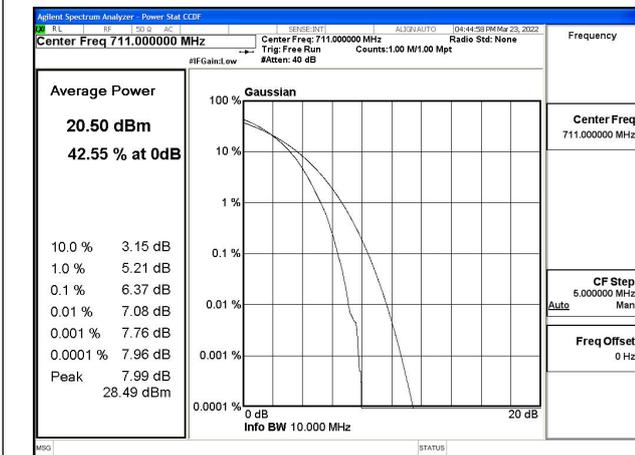


Fig.71

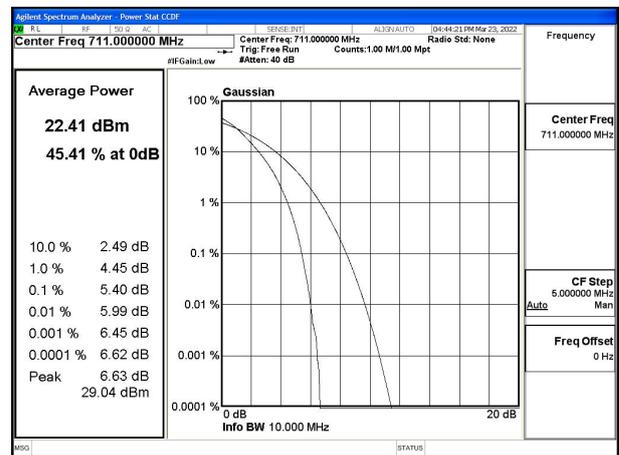


Fig.72

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

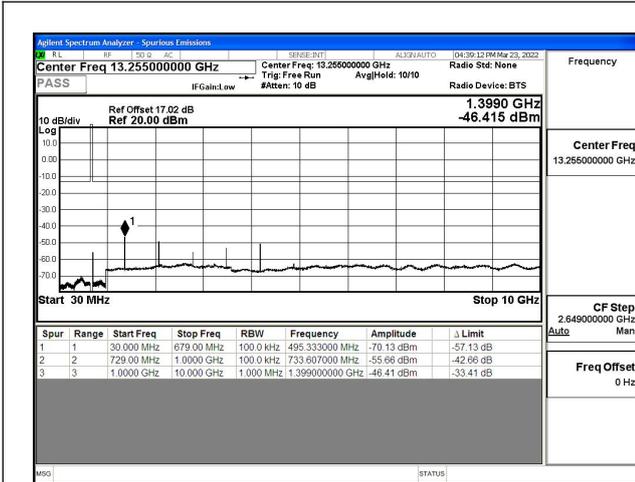


Fig.1

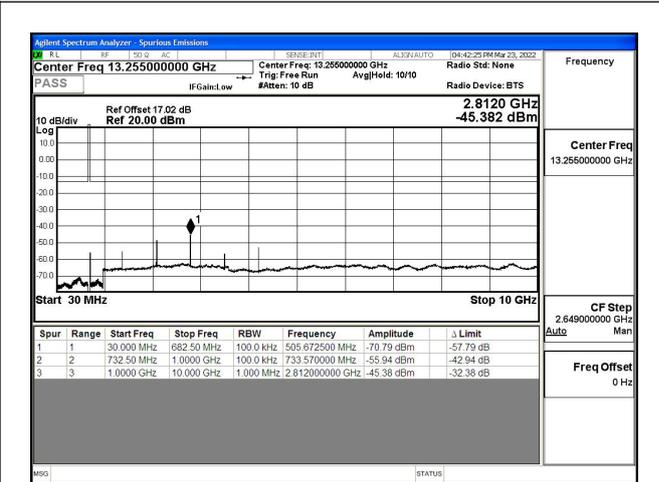


Fig.2

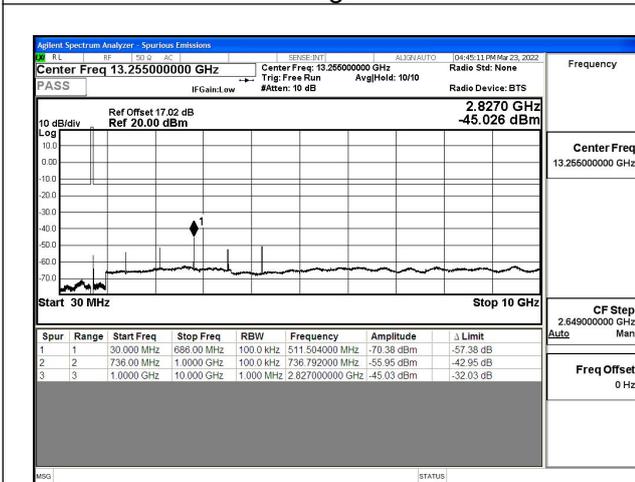


Fig.3

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

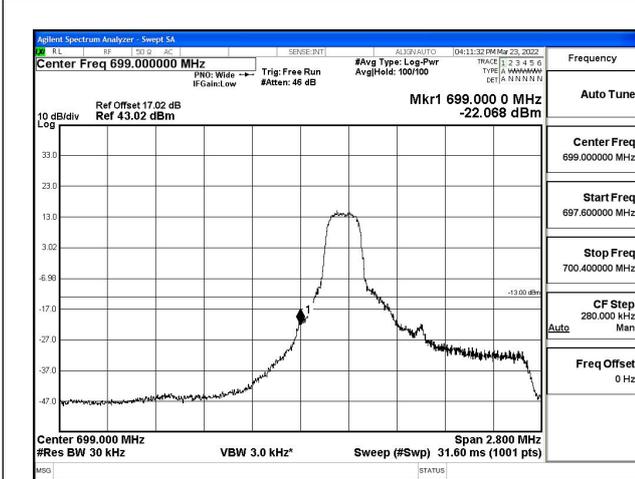


Fig.1

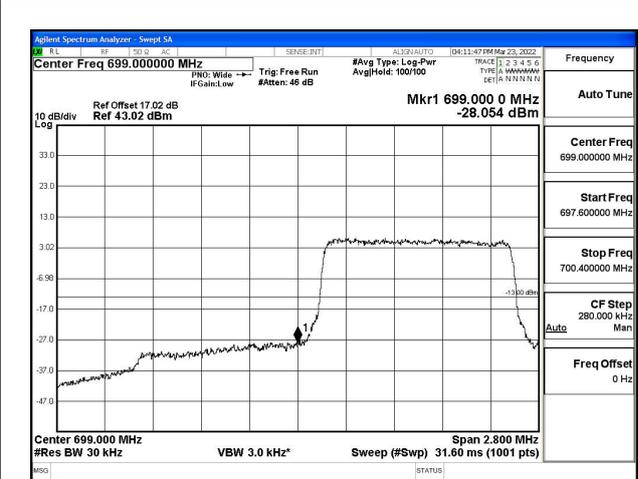


Fig.2

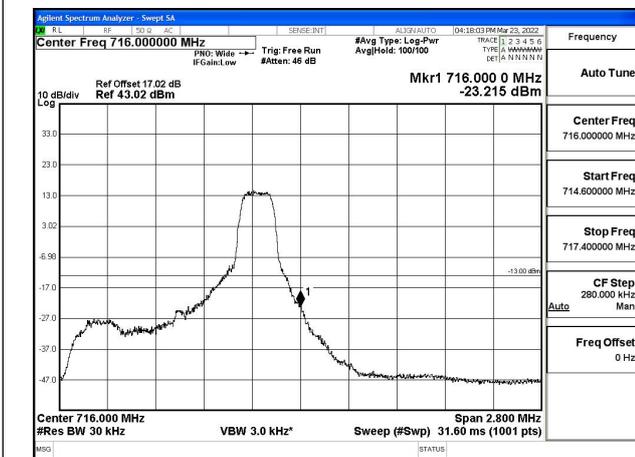


Fig.3

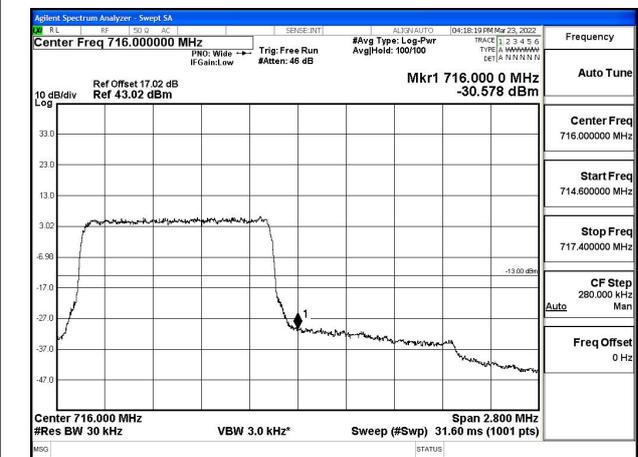


Fig.4

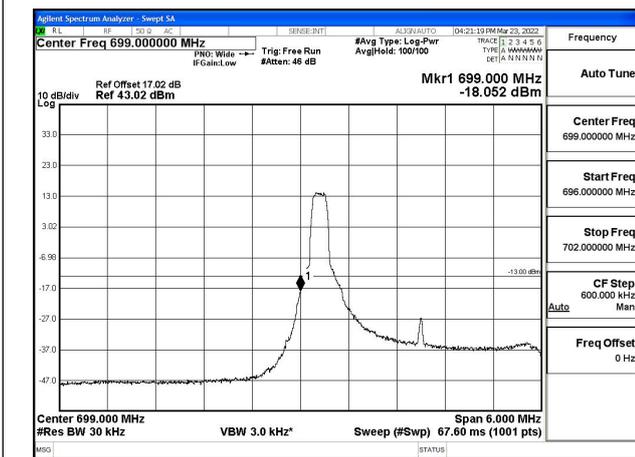


Fig.5

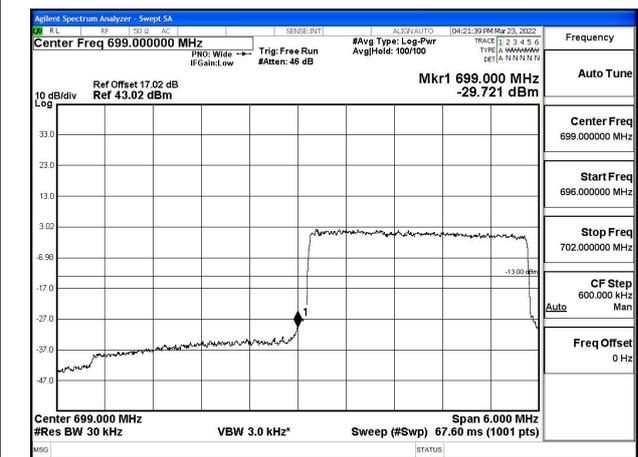


Fig.6

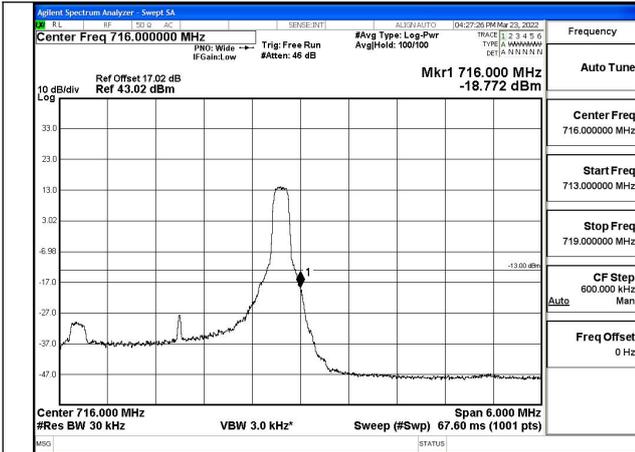


Fig.7

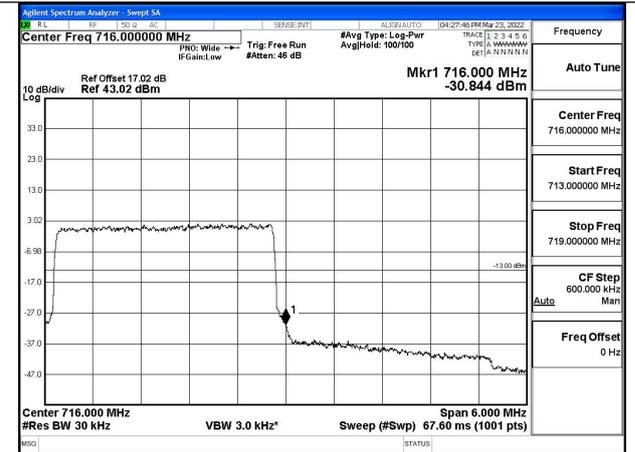


Fig.8

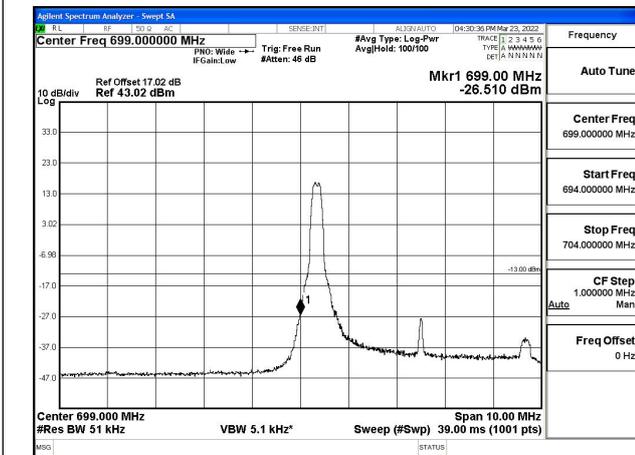


Fig.9

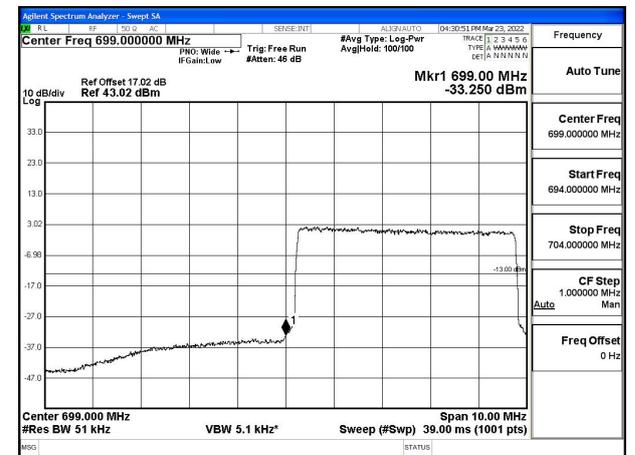


Fig.10

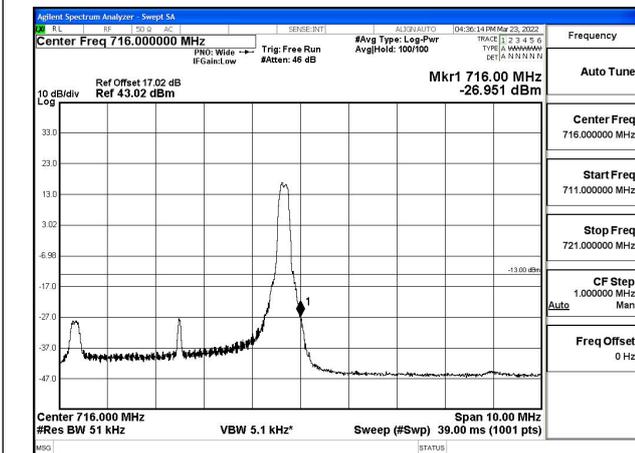


Fig.11

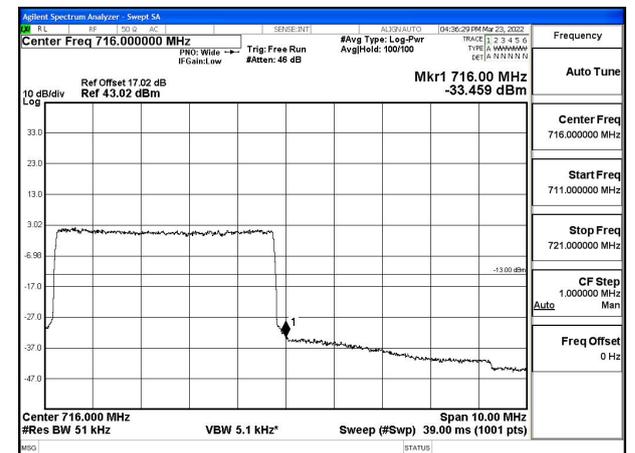


Fig.12

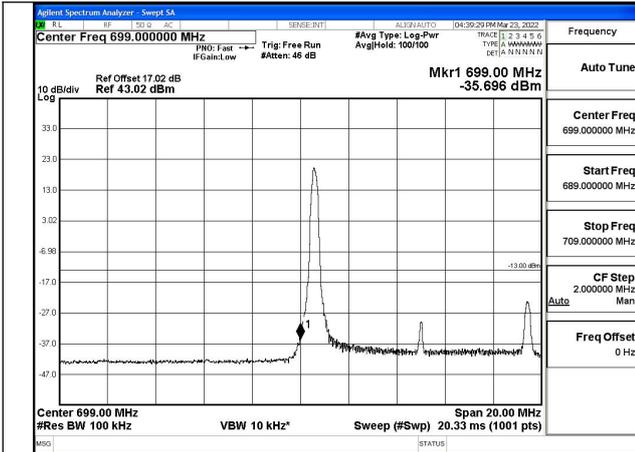


Fig.13

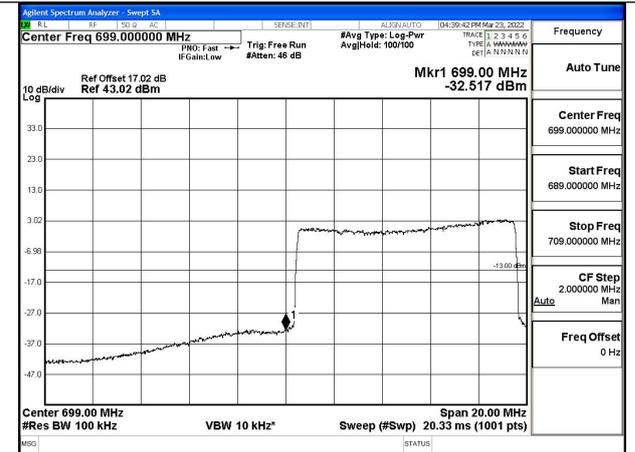


Fig.14

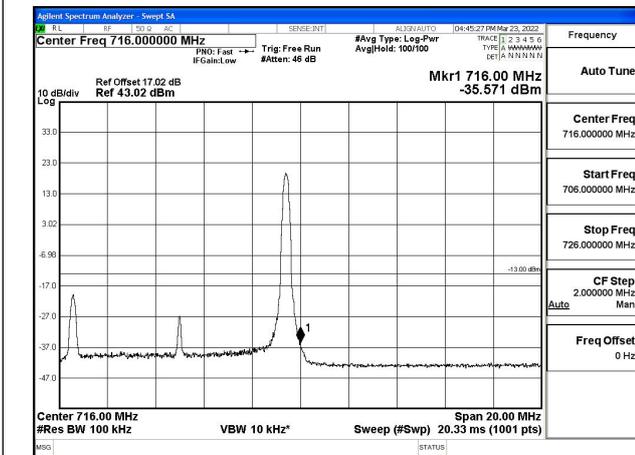


Fig.15

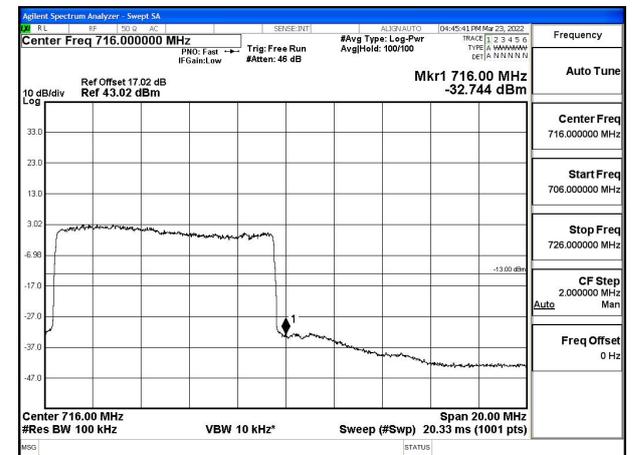


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.057	-0.041	0.007	0.016
0	NV	-0.041	-0.055	-0.054	-0.073
+10	NV	-0.018	-0.059	-0.042	-0.011
+20	NV	-0.052	-0.065	-0.065	0.030
+30	NV	-0.059	-0.044	-0.068	-0.045
+40	NV	-0.055	0.056	-0.041	-0.030
+55	NV	0.008	0.013	0.030	-0.031
+20	LV	-0.033	-0.066	-0.032	-1.419
+20	HV	-0.020	-0.032	-0.056	0.046

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.065	0.021	0.008	0.024
0	NV	-0.059	-0.049	-0.063	-0.053
+10	NV	-0.056	-0.030	-0.042	-0.048
+20	NV	-0.053	-0.027	-0.044	-0.044
+30	NV	-0.063	-0.068	-0.020	0.014
+40	NV	-0.045	-0.060	-0.053	-0.060
+55	NV	0.017	0.054	0.056	0.064
+20	LV	-0.097	-0.073	-0.039	0.016
+20	HV	-0.026	-0.034	-0.041	-0.051

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	23.78	20.13	0.103
QPSK	699.7	23017	1.4	1	3	23.57	19.92	0.098
QPSK	699.7	23017	1.4	1	5	23.55	19.90	0.098
QPSK	699.7	23017	1.4	3	0	23.71	20.06	0.101
QPSK	699.7	23017	1.4	3	1	23.69	20.04	0.101
QPSK	699.7	23017	1.4	3	3	23.70	20.05	0.101
QPSK	699.7	23017	1.4	6	0	22.74	19.09	0.081
QPSK	707.5	23095	1.4	1	0	23.63	19.98	0.100
QPSK	707.5	23095	1.4	1	3	23.71	20.06	0.101
QPSK	707.5	23095	1.4	1	5	23.72	20.07	0.102
QPSK	707.5	23095	1.4	3	0	23.81	20.16	0.104
QPSK	707.5	23095	1.4	3	1	23.69	20.04	0.101
QPSK	707.5	23095	1.4	3	3	23.82	20.17	0.104
QPSK	707.5	23095	1.4	6	0	22.62	18.97	0.079
QPSK	715.3	23173	1.4	1	0	23.70	20.05	0.101
QPSK	715.3	23173	1.4	1	3	23.77	20.12	0.103
QPSK	715.3	23173	1.4	1	5	23.64	19.99	0.100
QPSK	715.3	23173	1.4	3	0	23.59	19.94	0.099
QPSK	715.3	23173	1.4	3	1	23.62	19.97	0.099
QPSK	715.3	23173	1.4	3	3	23.69	20.04	0.101
QPSK	715.3	23173	1.4	6	0	22.66	19.01	0.080

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	23.11	19.46	0.088
16QAM	699.7	23017	1.4	1	3	22.81	19.16	0.082
16QAM	699.7	23017	1.4	1	5	22.89	19.24	0.084
16QAM	699.7	23017	1.4	3	0	22.97	19.32	0.086
16QAM	699.7	23017	1.4	3	1	22.88	19.23	0.084
16QAM	699.7	23017	1.4	3	3	22.93	19.28	0.085
16QAM	699.7	23017	1.4	6	0	21.54	17.89	0.062
16QAM	707.5	23095	1.4	1	0	22.91	19.26	0.084
16QAM	707.5	23095	1.4	1	3	23.13	19.48	0.089
16QAM	707.5	23095	1.4	1	5	23.28	19.63	0.092
16QAM	707.5	23095	1.4	3	0	22.85	19.20	0.083
16QAM	707.5	23095	1.4	3	1	22.98	19.33	0.086
16QAM	707.5	23095	1.4	3	3	23.00	19.35	0.086
16QAM	707.5	23095	1.4	6	0	21.17	17.52	0.056
16QAM	715.3	23173	1.4	1	0	22.45	18.80	0.076
16QAM	715.3	23173	1.4	1	3	22.32	18.67	0.074
16QAM	715.3	23173	1.4	1	5	22.75	19.10	0.081
16QAM	715.3	23173	1.4	3	0	22.76	19.11	0.081
16QAM	715.3	23173	1.4	3	1	22.90	19.25	0.084
16QAM	715.3	23173	1.4	3	3	22.82	19.17	0.083
16QAM	715.3	23173	1.4	6	0	21.15	17.50	0.056
64QAM	699.7	23017	1.4	1	0	21.43	17.78	0.060
64QAM	699.7	23017	1.4	1	3	21.36	17.71	0.059
64QAM	699.7	23017	1.4	1	5	21.64	17.99	0.063
64QAM	699.7	23017	1.4	3	0	21.57	17.92	0.062
64QAM	699.7	23017	1.4	3	1	21.54	17.89	0.062
64QAM	699.7	23017	1.4	3	3	21.51	17.86	0.061
64QAM	699.7	23017	1.4	6	0	20.79	17.14	0.052
64QAM	707.5	23095	1.4	1	0	21.66	18.01	0.063
64QAM	707.5	23095	1.4	1	3	21.72	18.07	0.064
64QAM	707.5	23095	1.4	1	5	21.51	17.86	0.061
64QAM	707.5	23095	1.4	3	0	21.43	17.78	0.060
64QAM	707.5	23095	1.4	3	1	21.74	18.09	0.064
64QAM	707.5	23095	1.4	3	3	21.41	17.76	0.060
64QAM	707.5	23095	1.4	6	0	20.73	17.08	0.051
64QAM	715.3	23173	1.4	1	0	21.86	18.21	0.066
64QAM	715.3	23173	1.4	1	3	21.81	18.16	0.065
64QAM	715.3	23173	1.4	1	5	21.74	18.09	0.064
64QAM	715.3	23173	1.4	3	0	21.31	17.66	0.058
64QAM	715.3	23173	1.4	3	1	21.52	17.87	0.061
64QAM	715.3	23173	1.4	3	3	21.53	17.88	0.061
64QAM	715.3	23173	1.4	6	0	20.55	16.90	0.049

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	23.72	20.07	0.102
QPSK	700.5	23025	3	1	8	23.73	20.08	0.102
QPSK	700.5	23025	3	1	14	23.72	20.07	0.102
QPSK	700.5	23025	3	8	0	22.75	19.10	0.081
QPSK	700.5	23025	3	8	4	22.74	19.09	0.081
QPSK	700.5	23025	3	8	7	22.63	18.98	0.079
QPSK	700.5	23025	3	15	0	22.50	18.85	0.077
QPSK	707.5	23095	3	1	0	23.61	19.96	0.099
QPSK	707.5	23095	3	1	8	23.69	20.04	0.101
QPSK	707.5	23095	3	1	14	23.64	19.99	0.100
QPSK	707.5	23095	3	8	0	22.59	18.94	0.078
QPSK	707.5	23095	3	8	4	22.62	18.97	0.079
QPSK	707.5	23095	3	8	7	22.68	19.03	0.080
QPSK	707.5	23095	3	15	0	22.80	19.15	0.082
QPSK	714.5	23165	3	1	0	23.64	19.99	0.100
QPSK	714.5	23165	3	1	8	23.60	19.95	0.099
QPSK	714.5	23165	3	1	14	23.51	19.86	0.097
QPSK	714.5	23165	3	8	0	22.56	18.91	0.078
QPSK	714.5	23165	3	8	4	22.59	18.94	0.078
QPSK	714.5	23165	3	8	7	22.70	19.05	0.080
QPSK	714.5	23165	3	15	0	22.52	18.87	0.077

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	22.87	19.22	0.084
16QAM	700.5	23025	3	1	8	22.51	18.86	0.077
16QAM	700.5	23025	3	1	14	23.00	19.35	0.086
16QAM	700.5	23025	3	8	0	21.64	17.99	0.063
16QAM	700.5	23025	3	8	4	21.81	18.16	0.065
16QAM	700.5	23025	3	8	7	22.00	18.35	0.068
16QAM	700.5	23025	3	15	0	21.60	17.95	0.062
16QAM	707.5	23095	3	1	0	23.19	19.54	0.090
16QAM	707.5	23095	3	1	8	23.29	19.64	0.092
16QAM	707.5	23095	3	1	14	22.57	18.92	0.078
16QAM	707.5	23095	3	8	0	21.66	18.01	0.063
16QAM	707.5	23095	3	8	4	21.79	18.14	0.065
16QAM	707.5	23095	3	8	7	21.70	18.05	0.064
16QAM	707.5	23095	3	15	0	21.73	18.08	0.064
16QAM	714.5	23165	3	1	0	23.06	19.41	0.087
16QAM	714.5	23165	3	1	8	22.87	19.22	0.084
16QAM	714.5	23165	3	1	14	23.34	19.69	0.093
16QAM	714.5	23165	3	8	0	21.77	18.12	0.065
16QAM	714.5	23165	3	8	4	21.65	18.00	0.063
16QAM	714.5	23165	3	8	7	21.69	18.04	0.064
16QAM	714.5	23165	3	15	0	21.62	17.97	0.063
64QAM	700.5	23025	3	1	0	21.78	18.13	0.065
64QAM	700.5	23025	3	1	8	21.36	17.71	0.059
64QAM	700.5	23025	3	1	14	21.62	17.97	0.063
64QAM	700.5	23025	3	8	0	20.91	17.26	0.053
64QAM	700.5	23025	3	8	4	20.93	17.28	0.053
64QAM	700.5	23025	3	8	7	20.50	16.85	0.048
64QAM	700.5	23025	3	15	0	21.23	17.58	0.057
64QAM	707.5	23095	3	1	0	21.67	18.02	0.063
64QAM	707.5	23095	3	1	8	21.82	18.17	0.066
64QAM	707.5	23095	3	1	14	21.43	17.78	0.060
64QAM	707.5	23095	3	8	0	20.74	17.09	0.051
64QAM	707.5	23095	3	8	4	20.77	17.12	0.052
64QAM	707.5	23095	3	8	7	20.72	17.07	0.051
64QAM	707.5	23095	3	15	0	20.61	16.96	0.050
64QAM	714.5	23165	3	1	0	21.84	18.19	0.066
64QAM	714.5	23165	3	1	8	21.90	18.25	0.067
64QAM	714.5	23165	3	1	14	21.45	17.80	0.060
64QAM	714.5	23165	3	8	0	20.89	17.24	0.053
64QAM	714.5	23165	3	8	4	20.89	17.24	0.053
64QAM	714.5	23165	3	8	7	20.57	16.92	0.049
64QAM	714.5	23165	3	15	0	20.99	17.34	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	23.65	20.00	0.100
QPSK	701.5	23035	5	1	12	23.75	20.10	0.102
QPSK	701.5	23035	5	1	24	23.68	20.03	0.101
QPSK	701.5	23035	5	12	0	22.63	18.98	0.079
QPSK	701.5	23035	5	12	7	22.56	18.91	0.078
QPSK	701.5	23035	5	12	13	22.58	18.93	0.078
QPSK	701.5	23035	5	25	0	22.61	18.96	0.079
QPSK	707.5	23095	5	1	0	23.62	19.97	0.099
QPSK	707.5	23095	5	1	12	24.31	20.66	0.116
QPSK	707.5	23095	5	1	24	23.75	20.10	0.102
QPSK	707.5	23095	5	12	0	22.65	19.00	0.079
QPSK	707.5	23095	5	12	7	22.58	18.93	0.078
QPSK	707.5	23095	5	12	13	22.68	19.03	0.080
QPSK	707.5	23095	5	25	0	22.61	18.96	0.079
QPSK	713.5	23155	5	1	0	23.87	20.22	0.105
QPSK	713.5	23155	5	1	12	23.71	20.06	0.101
QPSK	713.5	23155	5	1	24	23.86	20.21	0.105
QPSK	713.5	23155	5	12	0	22.74	19.09	0.081
QPSK	713.5	23155	5	12	7	22.64	18.99	0.079
QPSK	713.5	23155	5	12	13	22.66	19.01	0.080
QPSK	713.5	23155	5	25	0	22.52	18.87	0.077

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	22.90	19.25	0.084
16QAM	701.5	23035	5	1	12	23.11	19.46	0.088
16QAM	701.5	23035	5	1	24	22.71	19.06	0.081
16QAM	701.5	23035	5	12	0	21.64	17.99	0.063
16QAM	701.5	23035	5	12	7	21.67	18.02	0.063
16QAM	701.5	23035	5	12	13	21.70	18.05	0.064
16QAM	701.5	23035	5	25	0	21.58	17.93	0.062
16QAM	707.5	23095	5	1	0	22.92	19.27	0.085
16QAM	707.5	23095	5	1	12	22.69	19.04	0.080
16QAM	707.5	23095	5	1	24	22.90	19.25	0.084
16QAM	707.5	23095	5	12	0	21.62	17.97	0.063
16QAM	707.5	23095	5	12	7	21.52	17.87	0.061
16QAM	707.5	23095	5	12	13	21.64	17.99	0.063
16QAM	707.5	23095	5	25	0	21.43	17.78	0.060
16QAM	713.5	23155	5	1	0	22.69	19.04	0.080
16QAM	713.5	23155	5	1	12	22.43	18.78	0.076
16QAM	713.5	23155	5	1	24	22.20	18.55	0.072
16QAM	713.5	23155	5	12	0	21.53	17.88	0.061
16QAM	713.5	23155	5	12	7	21.62	17.97	0.063
16QAM	713.5	23155	5	12	13	21.69	18.04	0.064
16QAM	713.5	23155	5	25	0	21.72	18.07	0.064
64QAM	701.5	23035	5	1	0	21.75	18.10	0.065
64QAM	701.5	23035	5	1	12	21.62	17.97	0.063
64QAM	701.5	23035	5	1	24	21.70	18.05	0.064
64QAM	701.5	23035	5	12	0	21.17	17.52	0.056
64QAM	701.5	23035	5	12	7	20.76	17.11	0.051
64QAM	701.5	23035	5	12	13	20.65	17.00	0.050
64QAM	701.5	23035	5	25	0	20.58	16.93	0.049
64QAM	707.5	23095	5	1	0	21.28	17.63	0.058
64QAM	707.5	23095	5	1	12	21.86	18.21	0.066
64QAM	707.5	23095	5	1	24	21.31	17.66	0.058
64QAM	707.5	23095	5	12	0	20.75	17.10	0.051
64QAM	707.5	23095	5	12	7	20.57	16.92	0.049
64QAM	707.5	23095	5	12	13	20.52	16.87	0.049
64QAM	707.5	23095	5	25	0	20.51	16.86	0.049
64QAM	713.5	23155	5	1	0	21.58	17.93	0.062
64QAM	713.5	23155	5	1	12	21.78	18.13	0.065
64QAM	713.5	23155	5	1	24	22.03	18.38	0.069
64QAM	713.5	23155	5	12	0	20.62	16.97	0.050
64QAM	713.5	23155	5	12	7	20.85	17.20	0.052
64QAM	713.5	23155	5	12	13	21.16	17.51	0.056
64QAM	713.5	23155	5	25	0	20.99	17.34	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	23.96	20.31	0.107
QPSK	704	23060	10	1	25	23.76	20.11	0.103
QPSK	704	23060	10	1	49	24.24	20.59	0.115
QPSK	704	23060	10	25	0	22.76	19.11	0.081
QPSK	704	23060	10	25	12	22.67	19.02	0.080
QPSK	704	23060	10	25	25	22.83	19.18	0.083
QPSK	704	23060	10	50	0	22.88	19.23	0.084
QPSK	707.5	23095	10	1	0	23.78	20.13	0.103
QPSK	707.5	23095	10	1	25	24.91	21.26	0.134
QPSK	707.5	23095	10	1	49	23.86	20.21	0.105
QPSK	707.5	23095	10	25	0	22.83	19.18	0.083
QPSK	707.5	23095	10	25	12	22.59	18.94	0.078
QPSK	707.5	23095	10	25	25	22.70	19.05	0.080
QPSK	707.5	23095	10	50	0	22.49	18.84	0.077
QPSK	711	23130	10	1	0	23.67	20.02	0.100
QPSK	711	23130	10	1	25	23.74	20.09	0.102
QPSK	711	23130	10	1	49	23.58	19.93	0.098
QPSK	711	23130	10	25	0	22.63	18.98	0.079
QPSK	711	23130	10	25	12	22.71	19.06	0.081
QPSK	711	23130	10	25	25	22.56	18.91	0.078
QPSK	711	23130	10	50	0	22.61	18.96	0.079

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	22.49	18.84	0.077
16QAM	704	23060	10	1	25	22.54	18.89	0.077
16QAM	704	23060	10	1	49	22.66	19.01	0.080
16QAM	704	23060	10	25	0	21.70	18.05	0.064
16QAM	704	23060	10	25	12	21.58	17.93	0.062
16QAM	704	23060	10	25	25	21.83	18.18	0.066
16QAM	704	23060	10	50	0	21.59	17.94	0.062
16QAM	707.5	23095	10	1	0	22.81	19.16	0.082
16QAM	707.5	23095	10	1	25	22.34	18.69	0.074
16QAM	707.5	23095	10	1	49	22.90	19.25	0.084
16QAM	707.5	23095	10	25	0	21.82	18.17	0.066
16QAM	707.5	23095	10	25	12	21.76	18.11	0.065
16QAM	707.5	23095	10	25	25	21.73	18.08	0.064
16QAM	707.5	23095	10	50	0	21.67	18.02	0.063
16QAM	711	23130	10	1	0	22.88	19.23	0.084
16QAM	711	23130	10	1	25	22.98	19.33	0.086
16QAM	711	23130	10	1	49	22.98	19.33	0.086
16QAM	711	23130	10	25	0	21.38	17.73	0.059
16QAM	711	23130	10	25	12	21.46	17.81	0.060
16QAM	711	23130	10	25	25	21.56	17.91	0.062
16QAM	711	23130	10	50	0	21.65	18.00	0.063
64QAM	704	23060	10	1	0	22.06	18.41	0.069
64QAM	704	23060	10	1	25	21.92	18.27	0.067
64QAM	704	23060	10	1	49	22.60	18.95	0.079
64QAM	704	23060	10	25	0	21.06	17.41	0.055
64QAM	704	23060	10	25	12	20.57	16.92	0.049
64QAM	704	23060	10	25	25	20.36	16.71	0.047
64QAM	704	23060	10	50	0	20.61	16.96	0.050
64QAM	707.5	23095	10	1	0	21.69	18.04	0.064
64QAM	707.5	23095	10	1	25	22.49	18.84	0.077
64QAM	707.5	23095	10	1	49	21.95	18.30	0.068
64QAM	707.5	23095	10	25	0	20.75	17.10	0.051
64QAM	707.5	23095	10	25	12	20.59	16.94	0.049
64QAM	707.5	23095	10	25	25	20.81	17.16	0.052
64QAM	707.5	23095	10	50	0	20.57	16.92	0.049
64QAM	711	23130	10	1	0	21.20	17.55	0.057
64QAM	711	23130	10	1	25	21.34	17.69	0.059
64QAM	711	23130	10	1	49	21.15	17.50	0.056
64QAM	711	23130	10	25	0	20.41	16.76	0.047
64QAM	711	23130	10	25	12	20.63	16.98	0.050
64QAM	711	23130	10	25	25	20.87	17.22	0.053
64QAM	711	23130	10	50	0	20.81	17.16	0.052