

Fig.61

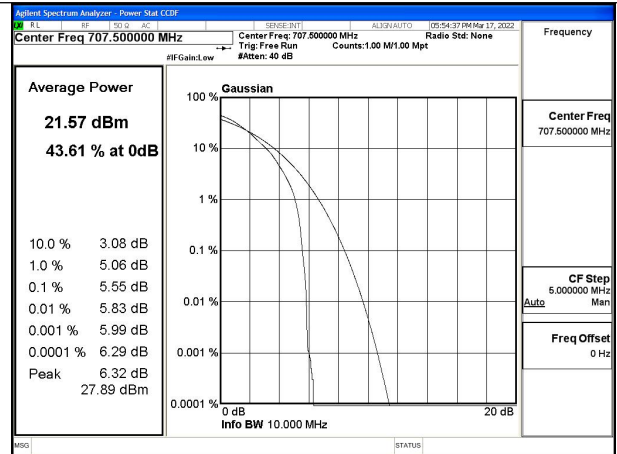


Fig.62

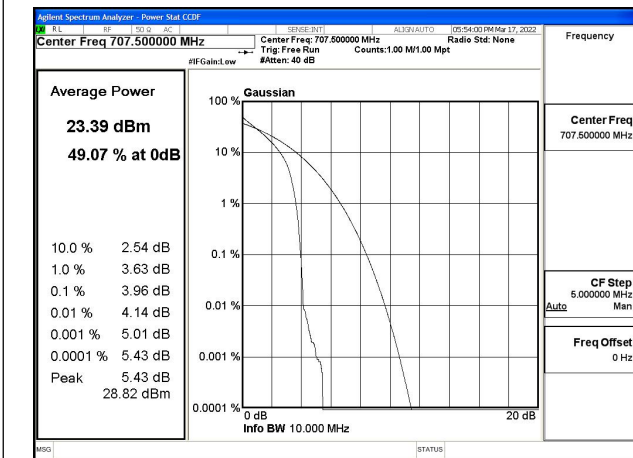


Fig.63

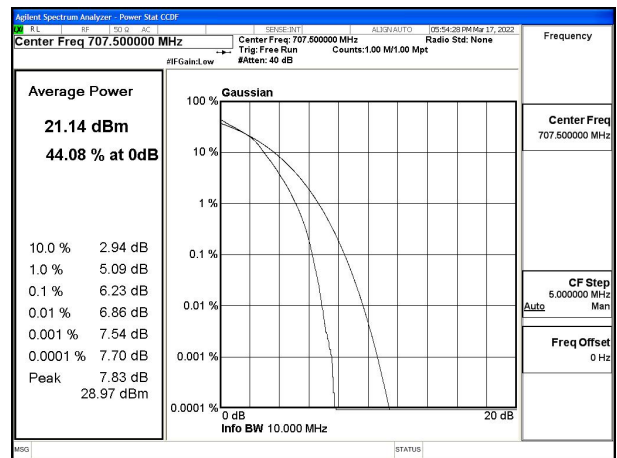


Fig.64

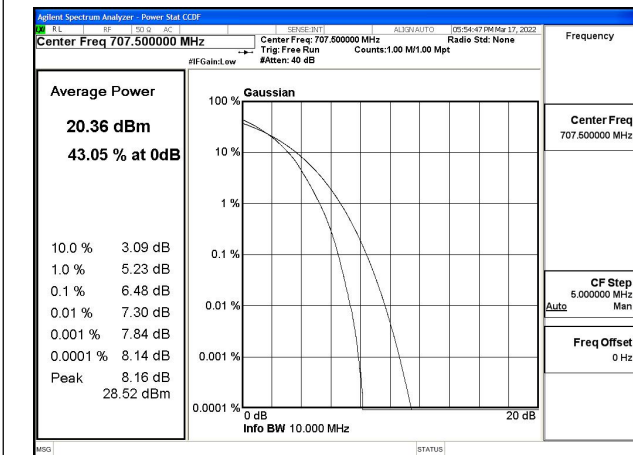


Fig.65

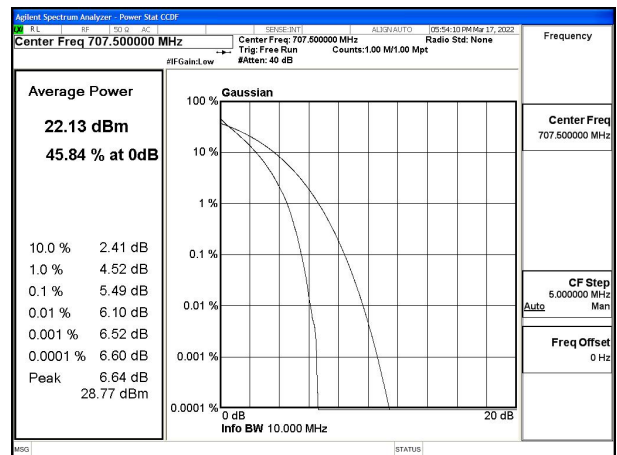


Fig.66

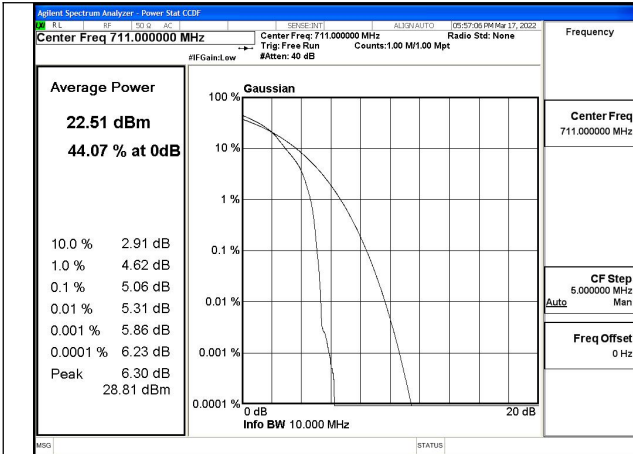


Fig.67

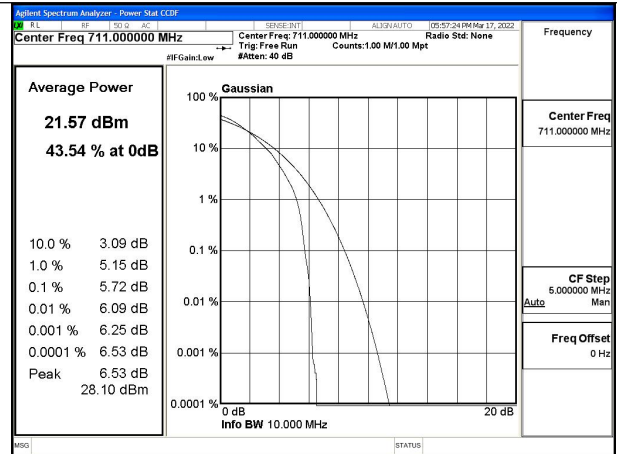


Fig.68

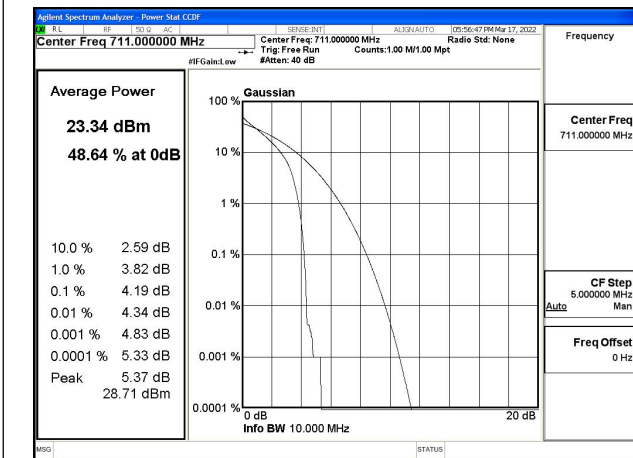


Fig.69

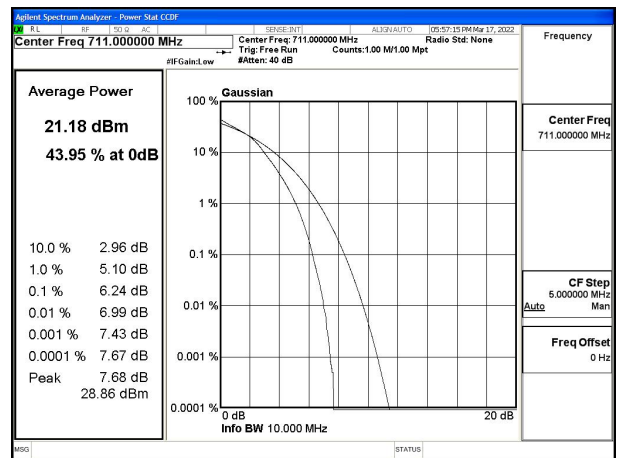


Fig.70

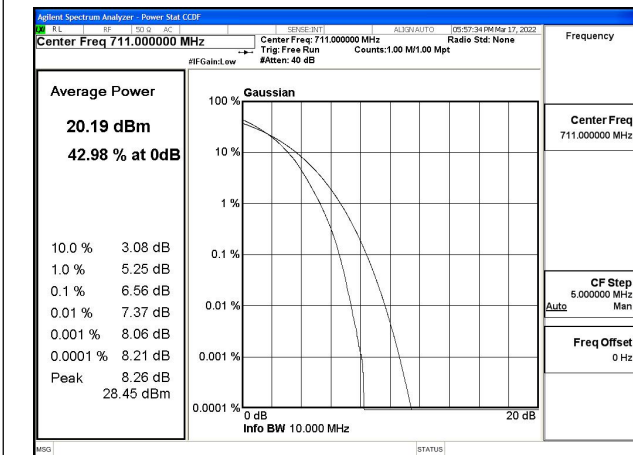


Fig.71

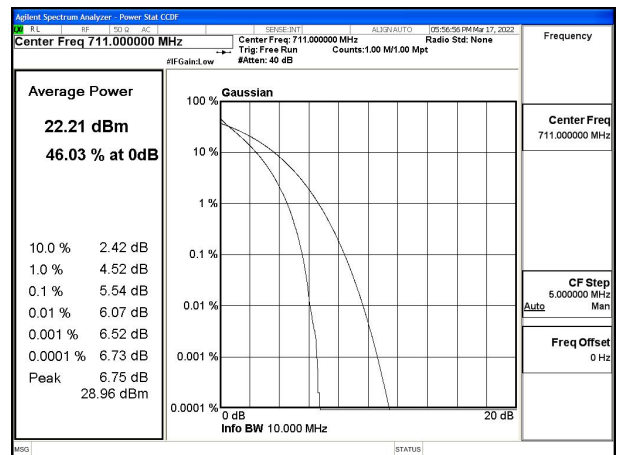


Fig.72

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

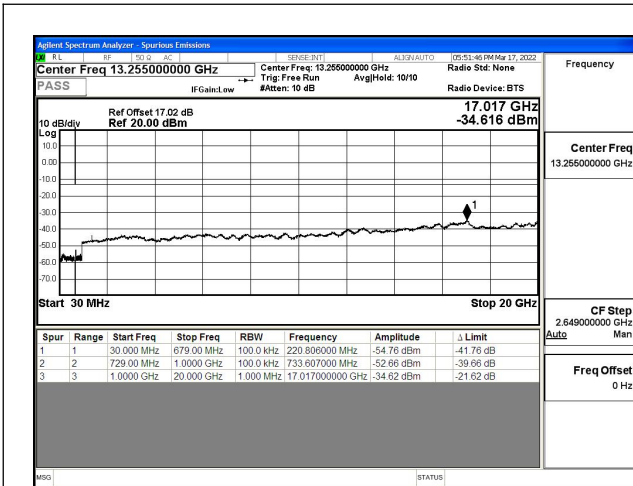


Fig.1

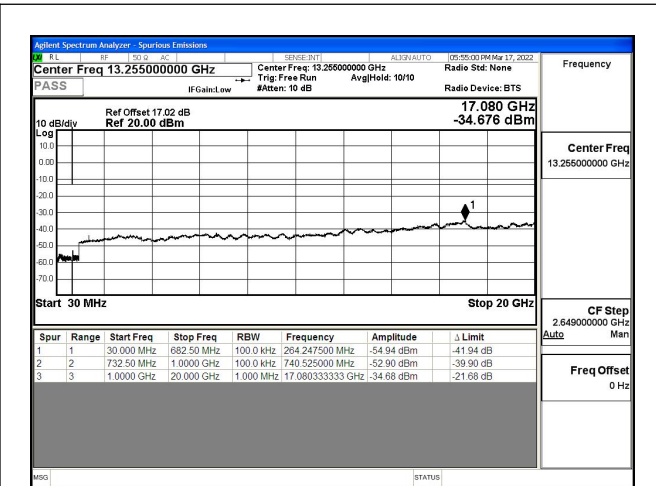


Fig.2

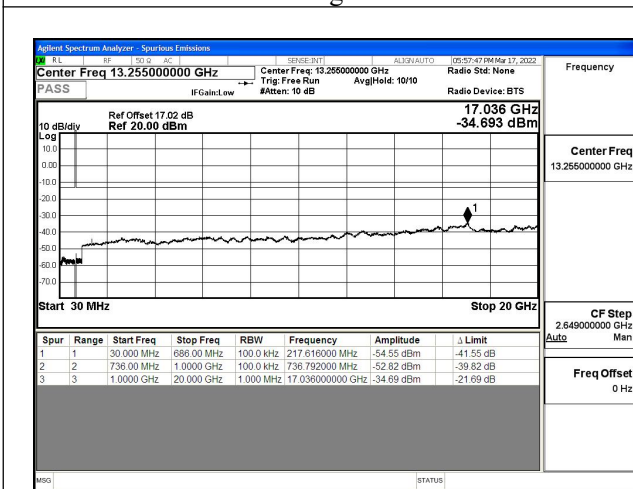


Fig.3

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

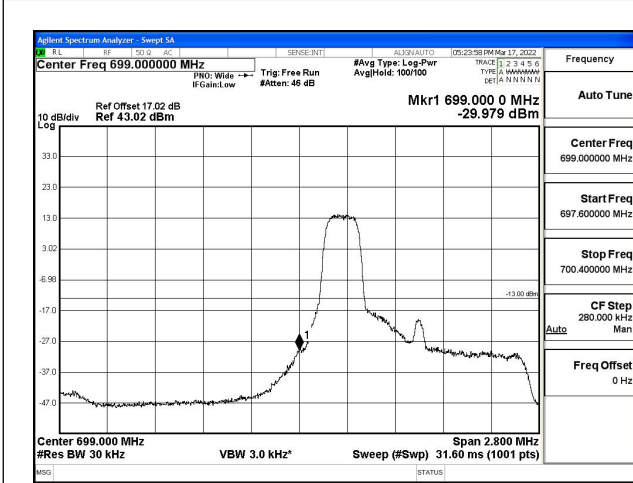


Fig.1

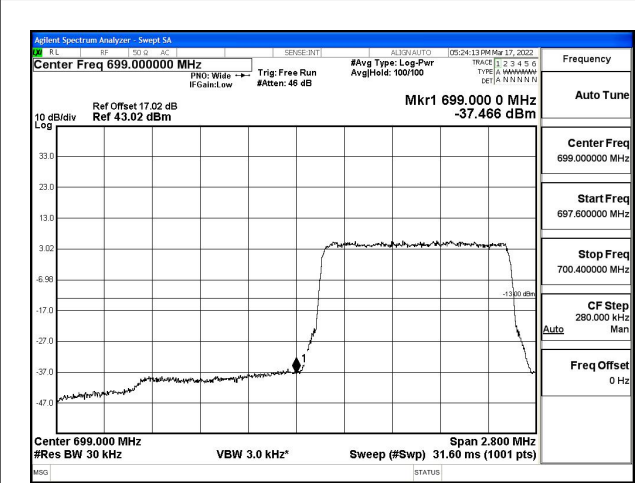


Fig.2

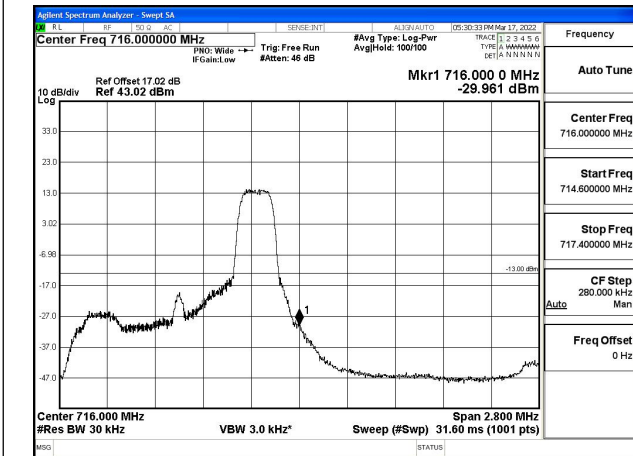


Fig.3

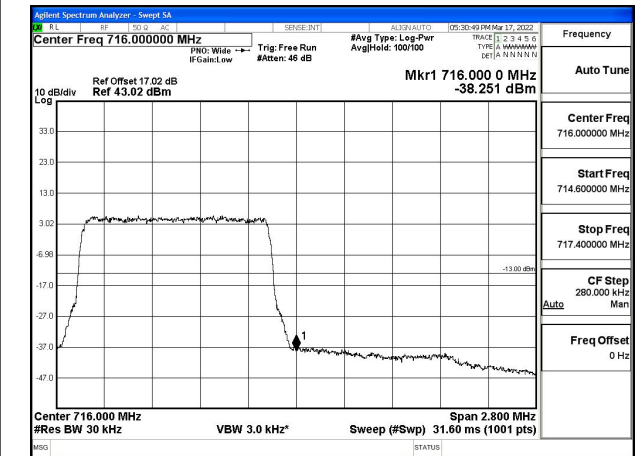


Fig.4

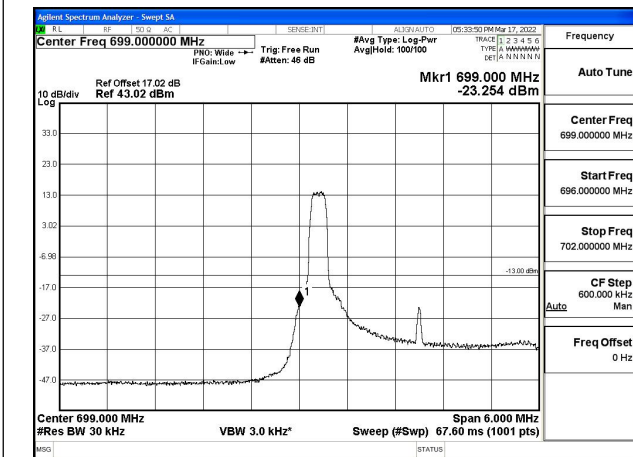


Fig.5

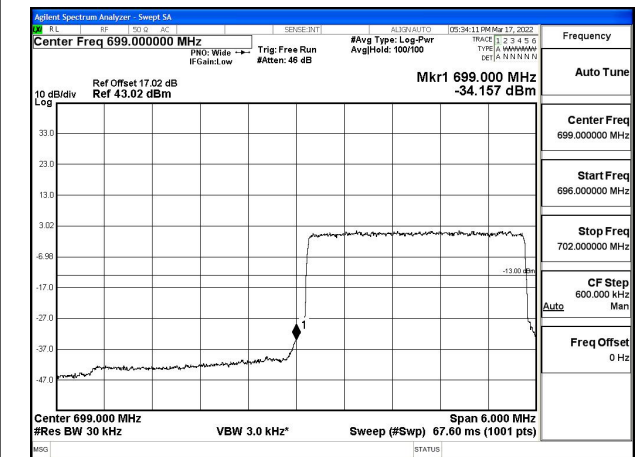


Fig.6

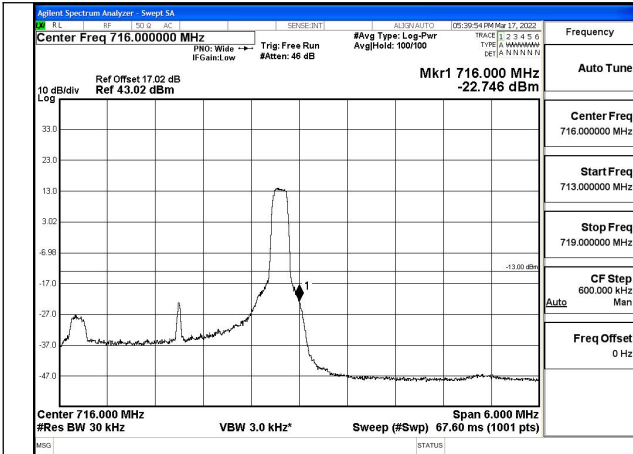


Fig.7

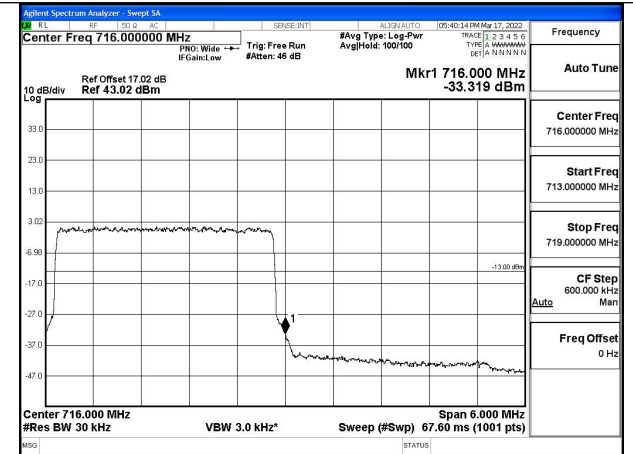


Fig.8

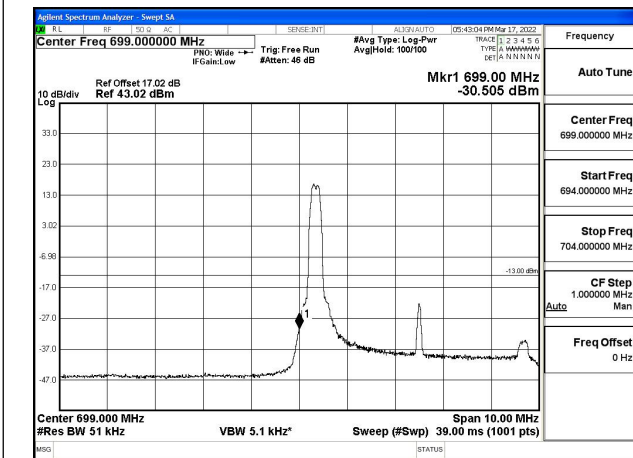


Fig.9

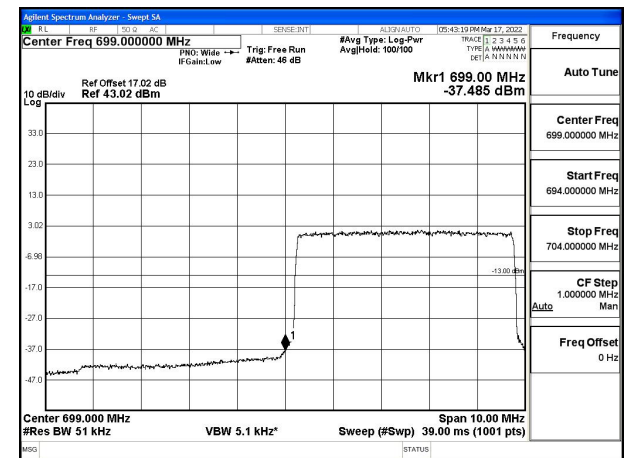


Fig.10

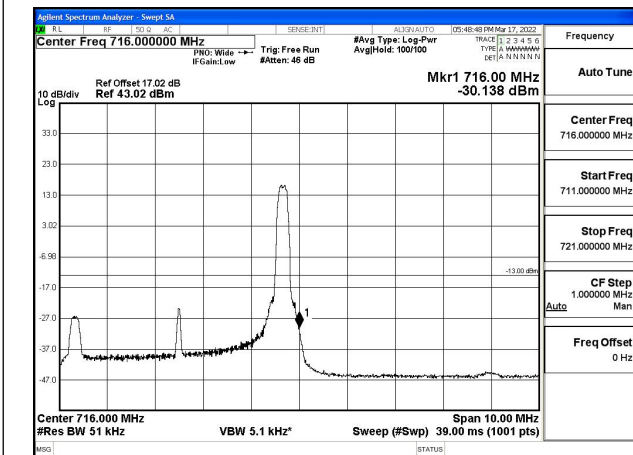


Fig.11

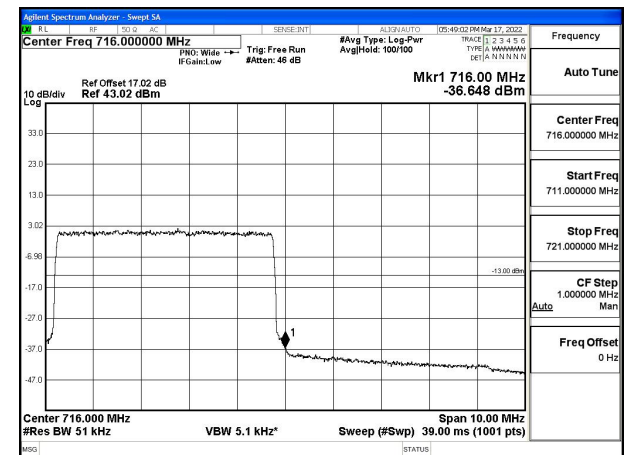


Fig.12

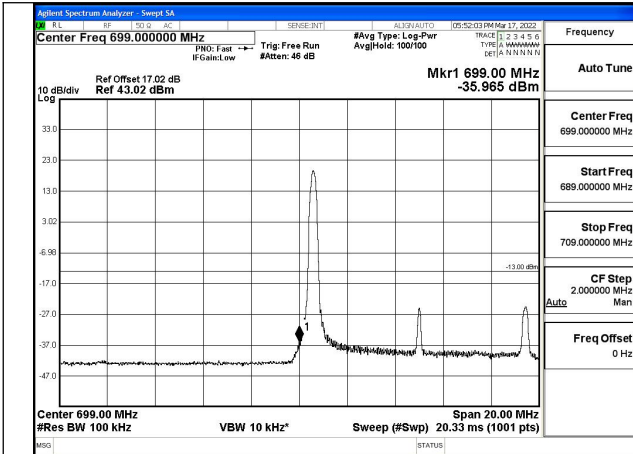


Fig.13

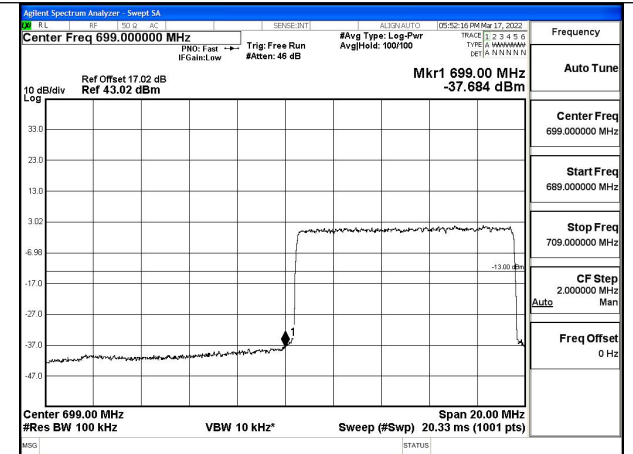


Fig.14

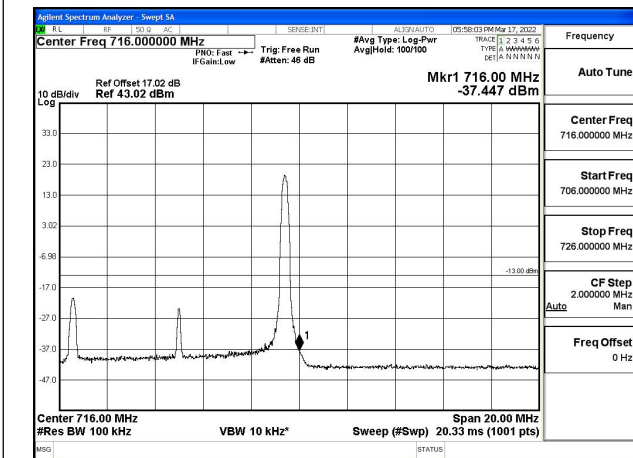


Fig.15

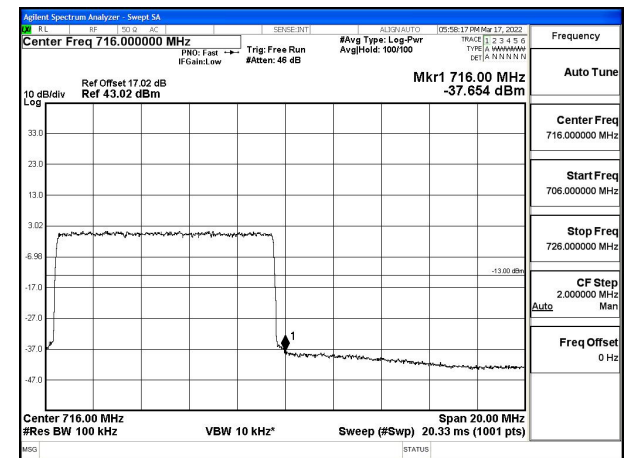


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.038	0.009	-0.014	-0.012
0	NV	0.007	-0.012	-0.014	-0.007
+10	NV	-0.043	-0.062	-0.018	-0.046
+20	NV	-0.040	-0.060	-0.057	-0.061
+30	NV	-0.034	-0.055	0.014	0.024
+40	NV	-0.043	-0.051	-0.019	-0.019
+50	NV	0.003	0.014	0.035	-0.016
+20	LV	0.058	0.040	0.024	0.012
+20	HV	0.010	0.008	-0.007	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.005	-0.019	-0.024	-0.026
0	NV	0.015	-0.018	-0.020	-0.023
+10	NV	-0.014	-0.050	-0.018	-0.022
+20	NV	0.046	-0.042	-0.060	-0.058
+30	NV	-0.059	-0.057	-0.014	0.014
+40	NV	-0.041	-0.063	-0.029	-0.030
+50	NV	0.033	0.046	0.044	0.037
+20	LV	0.054	0.033	0.023	0.011
+20	HV	0.023	0.015	-0.010	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	23.42	18.96	0.079
QPSK	699.7	23017	1.4	1	3	23.34	18.88	0.077
QPSK	699.7	23017	1.4	1	5	23.18	18.72	0.074
QPSK	699.7	23017	1.4	3	0	23.42	18.96	0.079
QPSK	699.7	23017	1.4	3	1	23.48	19.02	0.080
QPSK	699.7	23017	1.4	3	3	23.45	18.99	0.079
QPSK	699.7	23017	1.4	6	0	22.27	17.81	0.060
QPSK	707.5	23095	1.4	1	0	23.43	18.97	0.079
QPSK	707.5	23095	1.4	1	3	23.50	19.04	0.080
QPSK	707.5	23095	1.4	1	5	23.54	19.08	0.081
QPSK	707.5	23095	1.4	3	0	23.56	19.10	0.081
QPSK	707.5	23095	1.4	3	1	23.61	19.15	0.082
QPSK	707.5	23095	1.4	3	3	23.55	19.09	0.081
QPSK	707.5	23095	1.4	6	0	22.44	17.98	0.063
QPSK	715.3	23173	1.4	1	0	23.57	19.11	0.081
QPSK	715.3	23173	1.4	1	3	23.43	18.97	0.079
QPSK	715.3	23173	1.4	1	5	23.41	18.95	0.079
QPSK	715.3	23173	1.4	3	0	23.40	18.94	0.078
QPSK	715.3	23173	1.4	3	1	23.50	19.04	0.080
QPSK	715.3	23173	1.4	3	3	23.43	18.97	0.079
QPSK	715.3	23173	1.4	6	0	22.52	18.06	0.064

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	22.51	18.05	0.064
16QAM	699.7	23017	1.4	1	3	22.61	18.15	0.065
16QAM	699.7	23017	1.4	1	5	22.63	18.17	0.066
16QAM	699.7	23017	1.4	3	0	22.55	18.09	0.064
16QAM	699.7	23017	1.4	3	1	22.35	17.89	0.062
16QAM	699.7	23017	1.4	3	3	22.44	17.98	0.063
16QAM	699.7	23017	1.4	6	0	21.63	17.17	0.052
16QAM	707.5	23095	1.4	1	0	23.04	18.58	0.072
16QAM	707.5	23095	1.4	1	3	23.25	18.79	0.076
16QAM	707.5	23095	1.4	1	5	22.61	18.15	0.065
16QAM	707.5	23095	1.4	3	0	22.77	18.31	0.068
16QAM	707.5	23095	1.4	3	1	22.65	18.19	0.066
16QAM	707.5	23095	1.4	3	3	22.82	18.36	0.069
16QAM	707.5	23095	1.4	6	0	21.05	16.59	0.046
16QAM	715.3	23173	1.4	1	0	22.77	18.31	0.068
16QAM	715.3	23173	1.4	1	3	22.80	18.34	0.068
16QAM	715.3	23173	1.4	1	5	22.94	18.48	0.070
16QAM	715.3	23173	1.4	3	0	22.62	18.16	0.065
16QAM	715.3	23173	1.4	3	1	22.57	18.11	0.065
16QAM	715.3	23173	1.4	3	3	22.51	18.05	0.064
16QAM	715.3	23173	1.4	6	0	21.34	16.88	0.049
64QAM	699.7	23017	1.4	1	0	22.58	18.12	0.065
64QAM	699.7	23017	1.4	1	3	22.28	17.82	0.061
64QAM	699.7	23017	1.4	1	5	22.47	18.01	0.063
64QAM	699.7	23017	1.4	3	0	21.50	17.04	0.051
64QAM	699.7	23017	1.4	3	1	22.16	17.70	0.059
64QAM	699.7	23017	1.4	3	3	21.85	17.39	0.055
64QAM	699.7	23017	1.4	6	0	20.84	16.38	0.043
64QAM	707.5	23095	1.4	1	0	21.38	16.92	0.049
64QAM	707.5	23095	1.4	1	3	21.38	16.92	0.049
64QAM	707.5	23095	1.4	1	5	21.13	16.67	0.046
64QAM	707.5	23095	1.4	3	0	21.05	16.59	0.046
64QAM	707.5	23095	1.4	3	1	21.32	16.86	0.049
64QAM	707.5	23095	1.4	3	3	21.24	16.78	0.048
64QAM	707.5	23095	1.4	6	0	20.42	15.96	0.039
64QAM	715.3	23173	1.4	1	0	22.03	17.57	0.057
64QAM	715.3	23173	1.4	1	3	22.02	17.56	0.057
64QAM	715.3	23173	1.4	1	5	21.81	17.35	0.054
64QAM	715.3	23173	1.4	3	0	21.35	16.89	0.049
64QAM	715.3	23173	1.4	3	1	21.34	16.88	0.049
64QAM	715.3	23173	1.4	3	3	21.20	16.74	0.047
64QAM	715.3	23173	1.4	6	0	20.23	15.77	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	23.48	19.02	0.080
QPSK	700.5	23025	3	1	8	23.32	18.86	0.077
QPSK	700.5	23025	3	1	14	23.60	19.14	0.082
QPSK	700.5	23025	3	8	0	22.67	18.21	0.066
QPSK	700.5	23025	3	8	4	22.50	18.04	0.064
QPSK	700.5	23025	3	8	7	22.49	18.03	0.064
QPSK	700.5	23025	3	15	0	22.44	17.98	0.063
QPSK	707.5	23095	3	1	0	23.72	19.26	0.084
QPSK	707.5	23095	3	1	8	23.55	19.09	0.081
QPSK	707.5	23095	3	1	14	23.39	18.93	0.078
QPSK	707.5	23095	3	8	0	22.61	18.15	0.065
QPSK	707.5	23095	3	8	4	22.50	18.04	0.064
QPSK	707.5	23095	3	8	7	22.41	17.95	0.062
QPSK	707.5	23095	3	15	0	22.45	17.99	0.063
QPSK	714.5	23165	3	1	0	23.44	18.98	0.079
QPSK	714.5	23165	3	1	8	23.44	18.98	0.079
QPSK	714.5	23165	3	1	14	23.24	18.78	0.076
QPSK	714.5	23165	3	8	0	22.55	18.09	0.064
QPSK	714.5	23165	3	8	4	22.58	18.12	0.065
QPSK	714.5	23165	3	8	7	22.52	18.06	0.064
QPSK	714.5	23165	3	15	0	22.53	18.07	0.064

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	23.30	18.84	0.077
16QAM	700.5	23025	3	1	8	22.54	18.08	0.064
16QAM	700.5	23025	3	1	14	23.14	18.68	0.074
16QAM	700.5	23025	3	8	0	22.14	17.68	0.059
16QAM	700.5	23025	3	8	4	21.84	17.38	0.055
16QAM	700.5	23025	3	8	7	21.63	17.17	0.052
16QAM	700.5	23025	3	15	0	22.05	17.59	0.057
16QAM	707.5	23095	3	1	0	22.79	18.33	0.068
16QAM	707.5	23095	3	1	8	22.58	18.12	0.065
16QAM	707.5	23095	3	1	14	23.08	18.62	0.073
16QAM	707.5	23095	3	8	0	21.31	16.85	0.048
16QAM	707.5	23095	3	8	4	21.41	16.95	0.050
16QAM	707.5	23095	3	8	7	21.36	16.90	0.049
16QAM	707.5	23095	3	15	0	21.43	16.97	0.050
16QAM	714.5	23165	3	1	0	22.91	18.45	0.070
16QAM	714.5	23165	3	1	8	22.68	18.22	0.066
16QAM	714.5	23165	3	1	14	23.04	18.58	0.072
16QAM	714.5	23165	3	8	0	21.73	17.27	0.053
16QAM	714.5	23165	3	8	4	21.59	17.13	0.052
16QAM	714.5	23165	3	8	7	21.60	17.14	0.052
16QAM	714.5	23165	3	15	0	21.79	17.33	0.054
64QAM	700.5	23025	3	1	0	22.32	17.86	0.061
64QAM	700.5	23025	3	1	8	22.35	17.89	0.062
64QAM	700.5	23025	3	1	14	21.64	17.18	0.052
64QAM	700.5	23025	3	8	0	20.86	16.40	0.044
64QAM	700.5	23025	3	8	4	21.01	16.55	0.045
64QAM	700.5	23025	3	8	7	20.84	16.38	0.043
64QAM	700.5	23025	3	15	0	21.00	16.54	0.045
64QAM	707.5	23095	3	1	0	22.01	17.55	0.057
64QAM	707.5	23095	3	1	8	21.59	17.13	0.052
64QAM	707.5	23095	3	1	14	21.57	17.11	0.051
64QAM	707.5	23095	3	8	0	20.59	16.13	0.041
64QAM	707.5	23095	3	8	4	20.33	15.87	0.039
64QAM	707.5	23095	3	8	7	20.20	15.74	0.037
64QAM	707.5	23095	3	15	0	20.47	16.01	0.040
64QAM	714.5	23165	3	1	0	21.24	16.78	0.048
64QAM	714.5	23165	3	1	8	22.03	17.57	0.057
64QAM	714.5	23165	3	1	14	21.80	17.34	0.054
64QAM	714.5	23165	3	8	0	20.33	15.87	0.039
64QAM	714.5	23165	3	8	4	20.14	15.68	0.037
64QAM	714.5	23165	3	8	7	20.14	15.68	0.037
64QAM	714.5	23165	3	15	0	20.61	16.15	0.041

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	23.38	18.92	0.078
QPSK	701.5	23035	5	1	12	23.59	19.13	0.082
QPSK	701.5	23035	5	1	24	23.61	19.15	0.082
QPSK	701.5	23035	5	12	0	22.26	17.80	0.060
QPSK	701.5	23035	5	12	7	22.37	17.91	0.062
QPSK	701.5	23035	5	12	13	22.36	17.90	0.062
QPSK	701.5	23035	5	25	0	22.50	18.04	0.064
QPSK	707.5	23095	5	1	0	23.63	19.17	0.083
QPSK	707.5	23095	5	1	12	23.56	19.10	0.081
QPSK	707.5	23095	5	1	24	23.60	19.14	0.082
QPSK	707.5	23095	5	12	0	22.34	17.88	0.061
QPSK	707.5	23095	5	12	7	22.46	18.00	0.063
QPSK	707.5	23095	5	12	13	22.25	17.79	0.060
QPSK	707.5	23095	5	25	0	22.32	17.86	0.061
QPSK	713.5	23155	5	1	0	23.79	19.33	0.086
QPSK	713.5	23155	5	1	12	23.72	19.26	0.084
QPSK	713.5	23155	5	1	24	23.83	19.37	0.086
QPSK	713.5	23155	5	12	0	22.68	18.22	0.066
QPSK	713.5	23155	5	12	7	22.50	18.04	0.064
QPSK	713.5	23155	5	12	13	22.53	18.07	0.064
QPSK	713.5	23155	5	25	0	22.62	18.16	0.065

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	22.28	17.82	0.061
16QAM	701.5	23035	5	1	12	23.15	18.69	0.074
16QAM	701.5	23035	5	1	24	22.82	18.36	0.069
16QAM	701.5	23035	5	12	0	21.64	17.18	0.052
16QAM	701.5	23035	5	12	7	21.27	16.81	0.048
16QAM	701.5	23035	5	12	13	21.21	16.75	0.047
16QAM	701.5	23035	5	25	0	21.23	16.77	0.048
16QAM	707.5	23095	5	1	0	22.46	18.00	0.063
16QAM	707.5	23095	5	1	12	22.41	17.95	0.062
16QAM	707.5	23095	5	1	24	22.59	18.13	0.065
16QAM	707.5	23095	5	12	0	21.20	16.74	0.047
16QAM	707.5	23095	5	12	7	21.38	16.92	0.049
16QAM	707.5	23095	5	12	13	21.33	16.87	0.049
16QAM	707.5	23095	5	25	0	21.40	16.94	0.049
16QAM	713.5	23155	5	1	0	22.71	18.25	0.067
16QAM	713.5	23155	5	1	12	22.46	18.00	0.063
16QAM	713.5	23155	5	1	24	22.60	18.14	0.065
16QAM	713.5	23155	5	12	0	21.33	16.87	0.049
16QAM	713.5	23155	5	12	7	21.60	17.14	0.052
16QAM	713.5	23155	5	12	13	21.47	17.01	0.050
16QAM	713.5	23155	5	25	0	21.73	17.27	0.053
64QAM	701.5	23035	5	1	0	21.54	17.08	0.051
64QAM	701.5	23035	5	1	12	20.88	16.42	0.044
64QAM	701.5	23035	5	1	24	21.27	16.81	0.048
64QAM	701.5	23035	5	12	0	20.91	16.45	0.044
64QAM	701.5	23035	5	12	7	20.89	16.43	0.044
64QAM	701.5	23035	5	12	13	20.78	16.32	0.043
64QAM	701.5	23035	5	25	0	20.93	16.47	0.044
64QAM	707.5	23095	5	1	0	21.33	16.87	0.049
64QAM	707.5	23095	5	1	12	21.48	17.02	0.050
64QAM	707.5	23095	5	1	24	20.71	16.25	0.042
64QAM	707.5	23095	5	12	0	20.41	15.95	0.039
64QAM	707.5	23095	5	12	7	20.39	15.93	0.039
64QAM	707.5	23095	5	12	13	20.57	16.11	0.041
64QAM	707.5	23095	5	25	0	20.43	15.97	0.040
64QAM	713.5	23155	5	1	0	21.56	17.10	0.051
64QAM	713.5	23155	5	1	12	21.55	17.09	0.051
64QAM	713.5	23155	5	1	24	21.60	17.14	0.052
64QAM	713.5	23155	5	12	0	21.03	16.57	0.045
64QAM	713.5	23155	5	12	7	20.70	16.24	0.042
64QAM	713.5	23155	5	12	13	20.39	15.93	0.039
64QAM	713.5	23155	5	25	0	20.70	16.24	0.042

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	23.32	18.86	0.077
QPSK	704	23060	10	1	25	23.75	19.29	0.085
QPSK	704	23060	10	1	49	23.52	19.06	0.081
QPSK	704	23060	10	25	0	22.22	17.76	0.060
QPSK	704	23060	10	25	12	22.56	18.10	0.065
QPSK	704	23060	10	25	25	22.47	18.01	0.063
QPSK	704	23060	10	50	0	22.44	17.98	0.063
QPSK	707.5	23095	10	1	0	23.71	19.25	0.084
QPSK	707.5	23095	10	1	25	23.64	19.18	0.083
QPSK	707.5	23095	10	1	49	23.58	19.12	0.082
QPSK	707.5	23095	10	25	0	22.39	17.93	0.062
QPSK	707.5	23095	10	25	12	22.40	17.94	0.062
QPSK	707.5	23095	10	25	25	22.45	17.99	0.063
QPSK	707.5	23095	10	50	0	22.36	17.90	0.062
QPSK	711	23130	10	1	0	23.61	19.15	0.082
QPSK	711	23130	10	1	25	23.58	19.12	0.082
QPSK	711	23130	10	1	49	23.52	19.06	0.081
QPSK	711	23130	10	25	0	22.34	17.88	0.061
QPSK	711	23130	10	25	12	22.53	18.07	0.064
QPSK	711	23130	10	25	25	22.57	18.11	0.065
QPSK	711	23130	10	50	0	22.47	18.01	0.063

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	22.77	18.31	0.068
16QAM	704	23060	10	1	25	22.75	18.29	0.067
16QAM	704	23060	10	1	49	23.14	18.68	0.074
16QAM	704	23060	10	25	0	21.33	16.87	0.049
16QAM	704	23060	10	25	12	21.52	17.06	0.051
16QAM	704	23060	10	25	25	21.38	16.92	0.049
16QAM	704	23060	10	50	0	21.66	17.20	0.052
16QAM	707.5	23095	10	1	0	23.00	18.54	0.071
16QAM	707.5	23095	10	1	25	22.42	17.96	0.063
16QAM	707.5	23095	10	1	49	22.38	17.92	0.062
16QAM	707.5	23095	10	25	0	21.51	17.05	0.051
16QAM	707.5	23095	10	25	12	21.49	17.03	0.050
16QAM	707.5	23095	10	25	25	21.30	16.84	0.048
16QAM	707.5	23095	10	50	0	21.38	16.92	0.049
16QAM	711	23130	10	1	0	23.06	18.60	0.072
16QAM	711	23130	10	1	25	23.25	18.79	0.076
16QAM	711	23130	10	1	49	22.68	18.22	0.066
16QAM	711	23130	10	25	0	21.24	16.78	0.048
16QAM	711	23130	10	25	12	21.25	16.79	0.048
16QAM	711	23130	10	25	25	21.36	16.90	0.049
16QAM	711	23130	10	50	0	21.03	16.57	0.045
64QAM	704	23060	10	1	0	22.21	17.75	0.060
64QAM	704	23060	10	1	25	21.04	16.58	0.045
64QAM	704	23060	10	1	49	21.37	16.91	0.049
64QAM	704	23060	10	25	0	20.72	16.26	0.042
64QAM	704	23060	10	25	12	20.93	16.47	0.044
64QAM	704	23060	10	25	25	20.27	15.81	0.038
64QAM	704	23060	10	50	0	20.94	16.48	0.044
64QAM	707.5	23095	10	1	0	20.91	16.45	0.044
64QAM	707.5	23095	10	1	25	21.30	16.84	0.048
64QAM	707.5	23095	10	1	49	20.98	16.52	0.045
64QAM	707.5	23095	10	25	0	20.42	15.96	0.039
64QAM	707.5	23095	10	25	12	20.43	15.97	0.040
64QAM	707.5	23095	10	25	25	20.31	15.85	0.038
64QAM	707.5	23095	10	50	0	20.31	15.85	0.038
64QAM	711	23130	10	1	0	21.59	17.13	0.052
64QAM	711	23130	10	1	25	21.45	16.99	0.050
64QAM	711	23130	10	1	49	21.29	16.83	0.048
64QAM	711	23130	10	25	0	20.29	15.83	0.038
64QAM	711	23130	10	25	12	20.29	15.83	0.038
64QAM	711	23130	10	25	25	20.36	15.90	0.039
64QAM	711	23130	10	50	0	20.33	15.87	0.039