

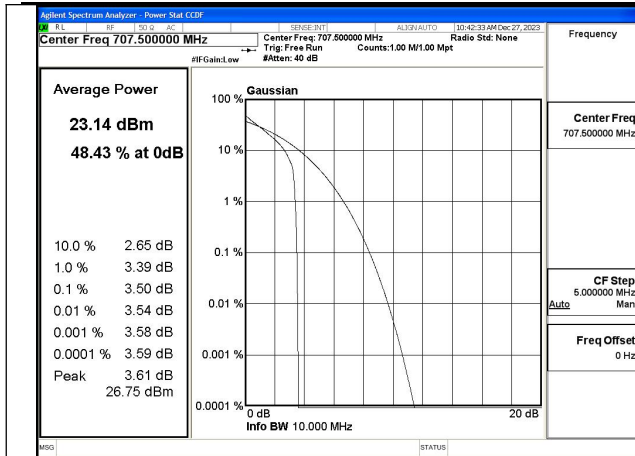


Fig.61

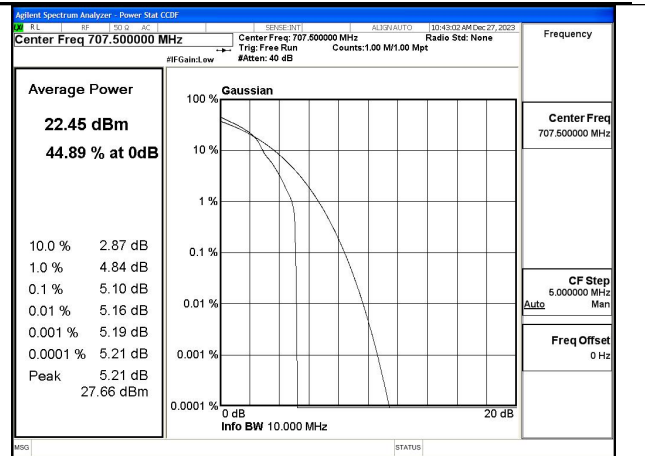


Fig.62

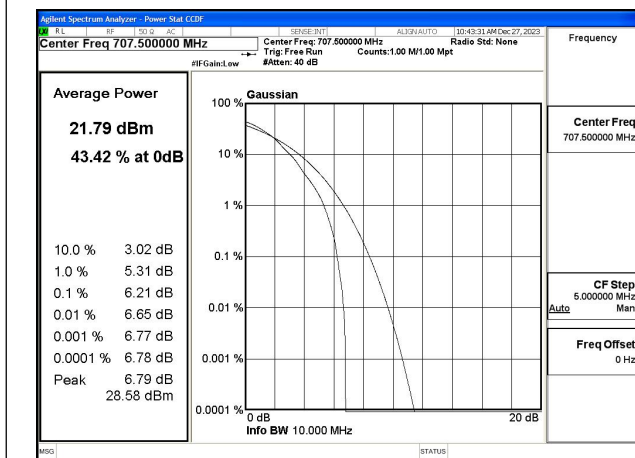


Fig.63

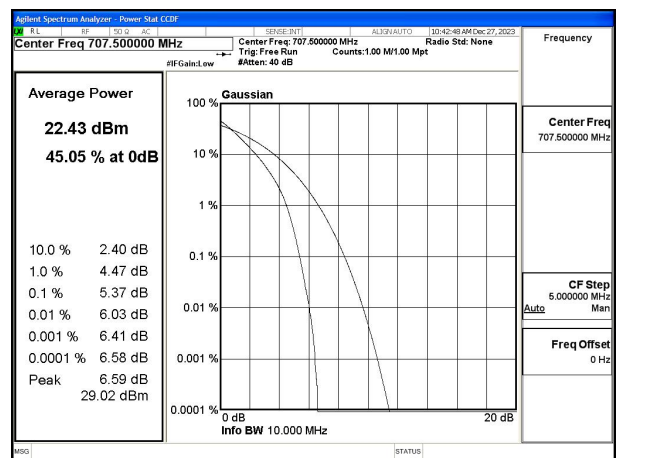


Fig.64

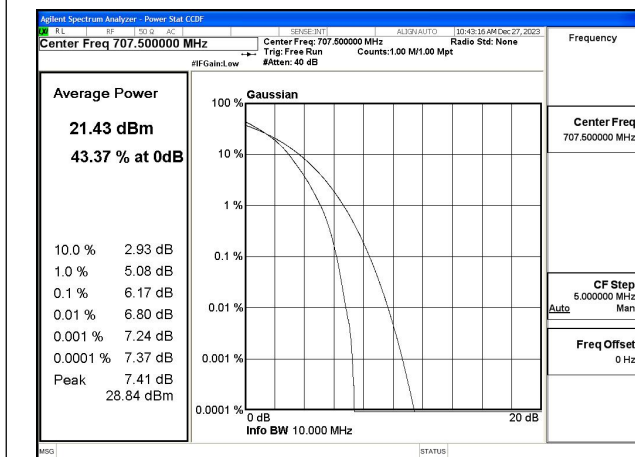


Fig.65

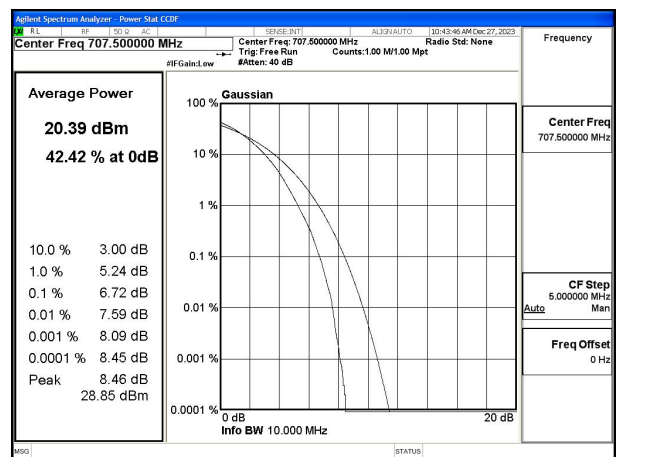


Fig.66

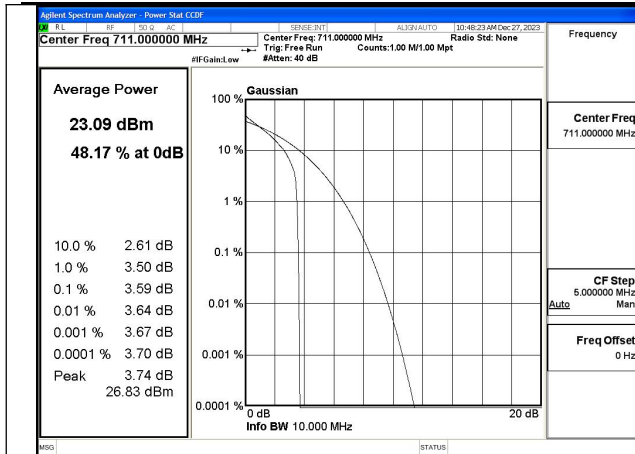


Fig.67

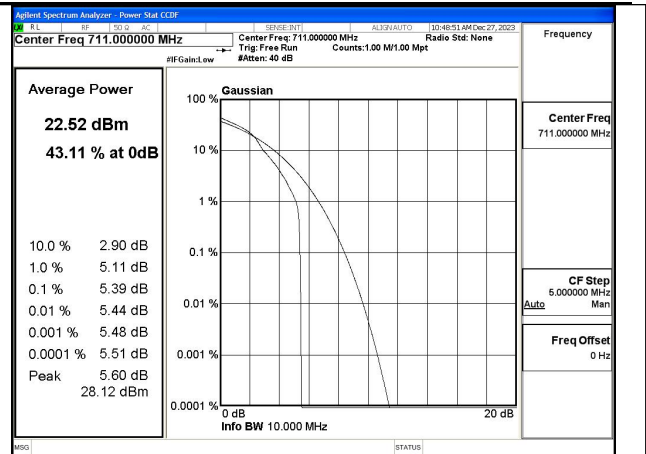


Fig.68

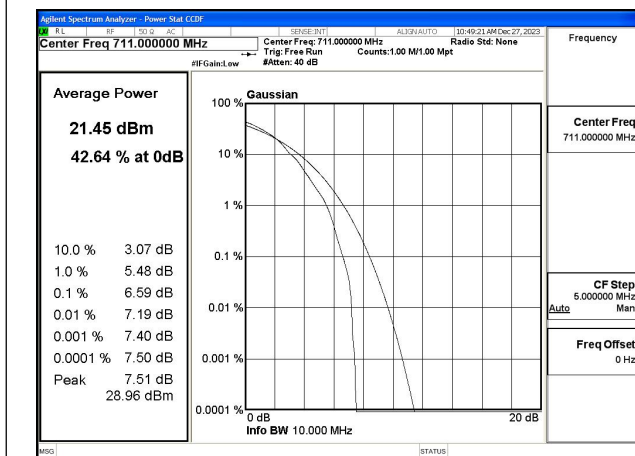


Fig.69

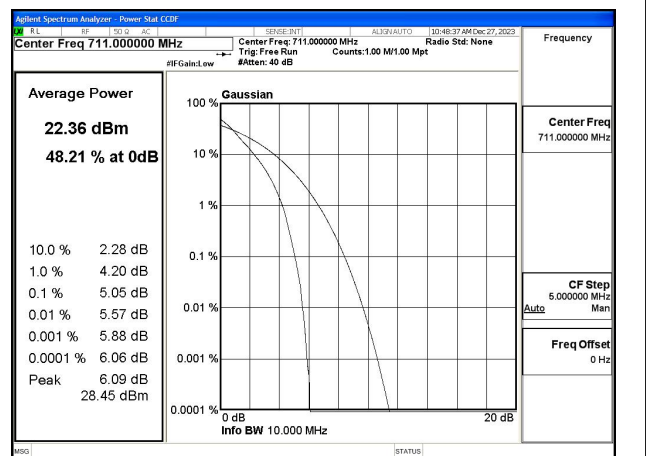


Fig.70

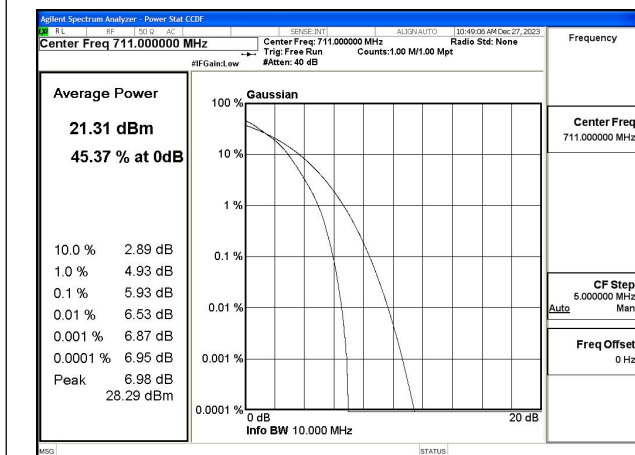


Fig.71

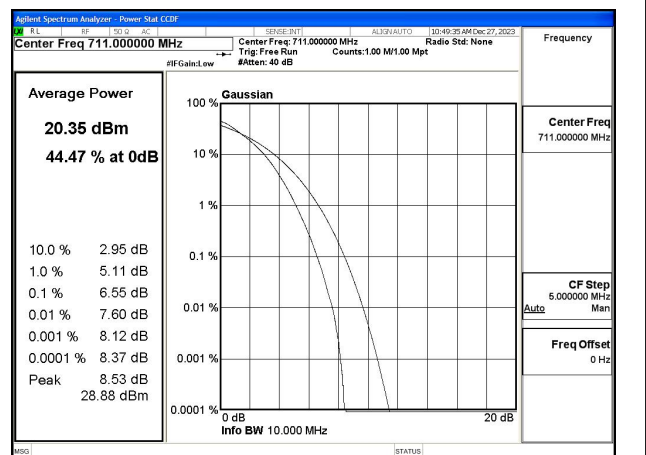


Fig.72

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

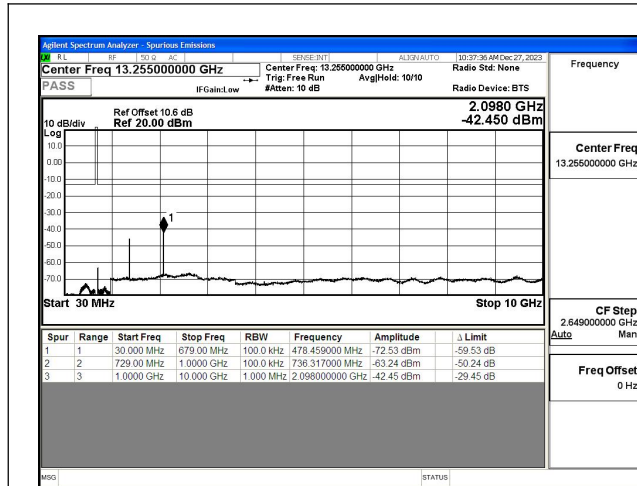


Fig.1

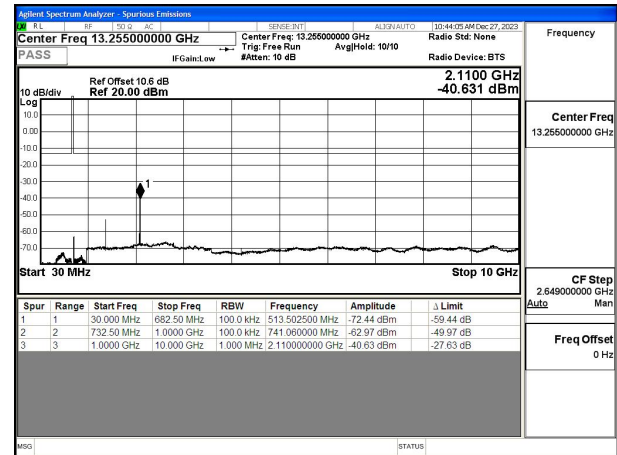


Fig.2

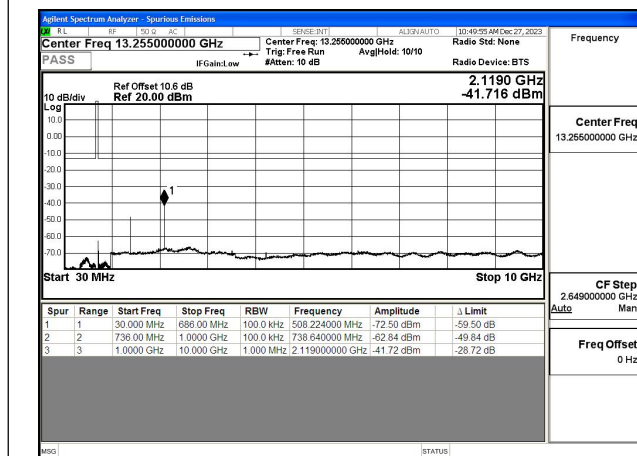


Fig.3

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

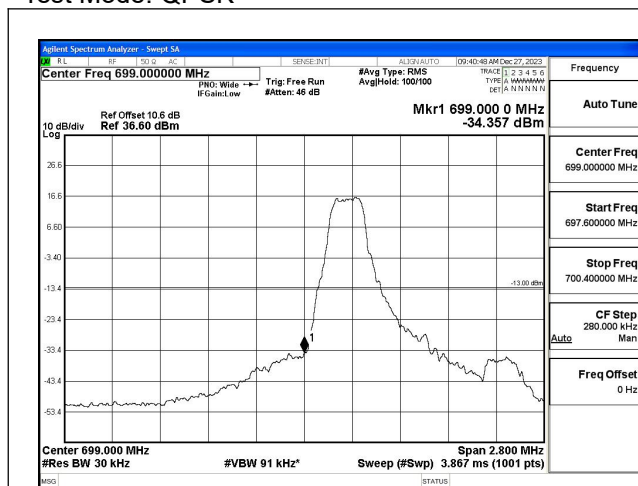


Fig.1

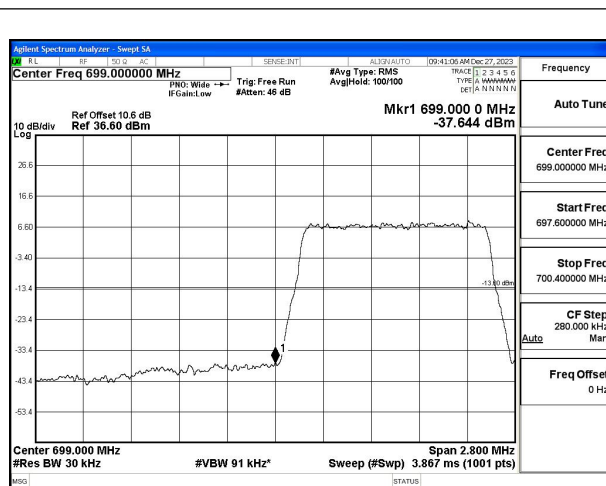


Fig.2

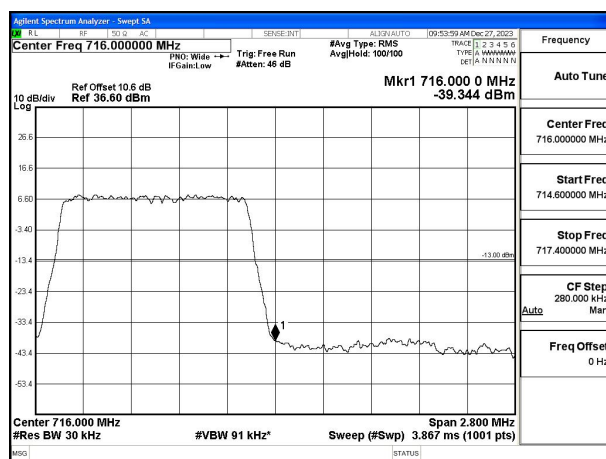
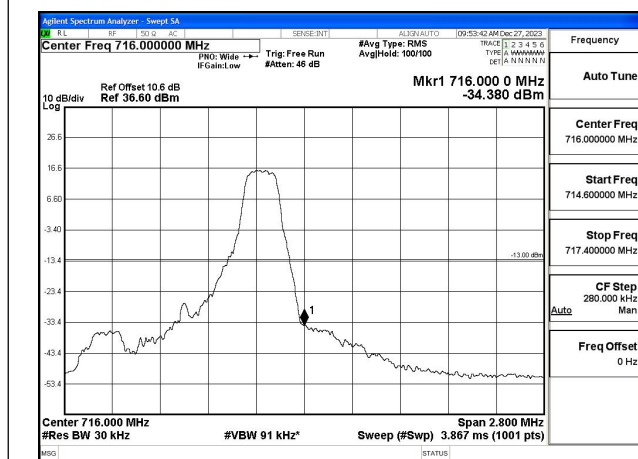


Fig.3

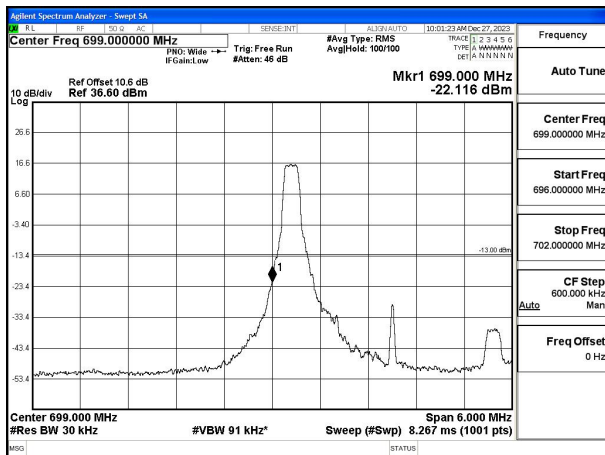


Fig.4

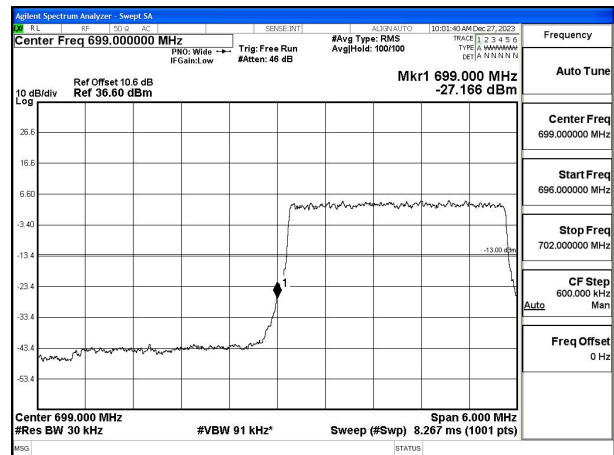


Fig.5

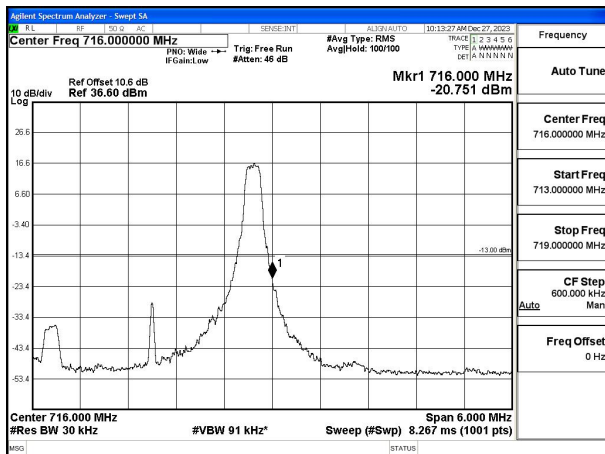


Fig.6

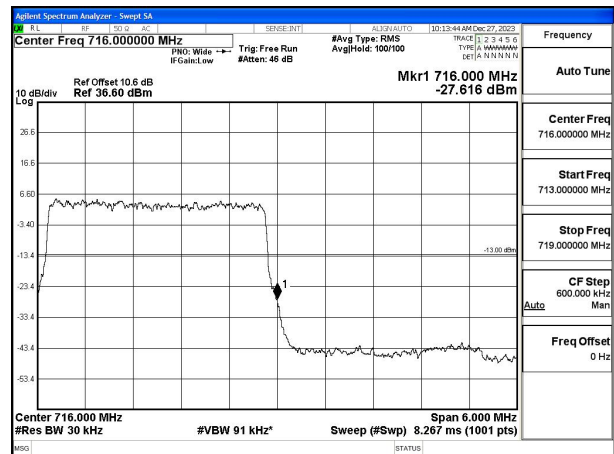


Fig.7

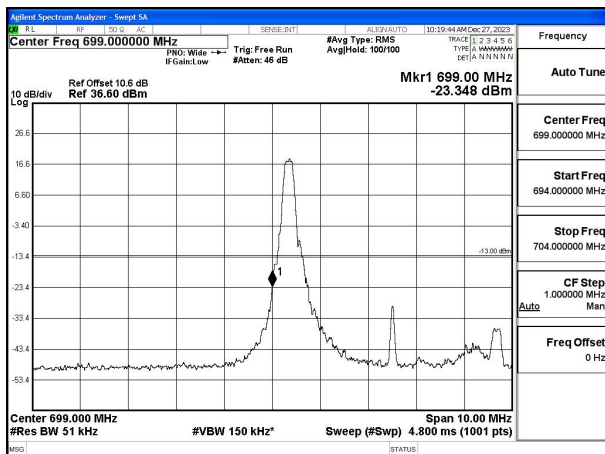


Fig.8

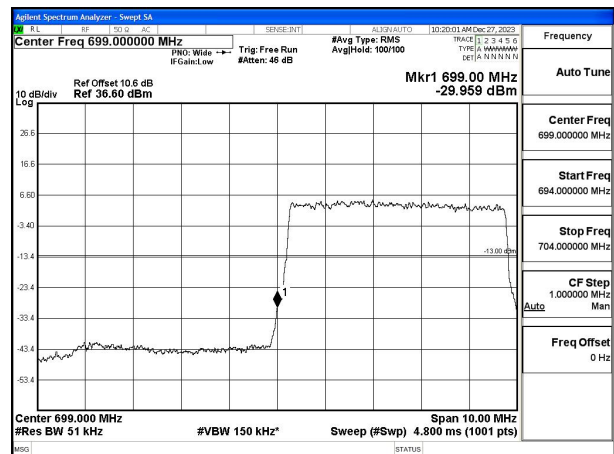


Fig.9

Fig.10

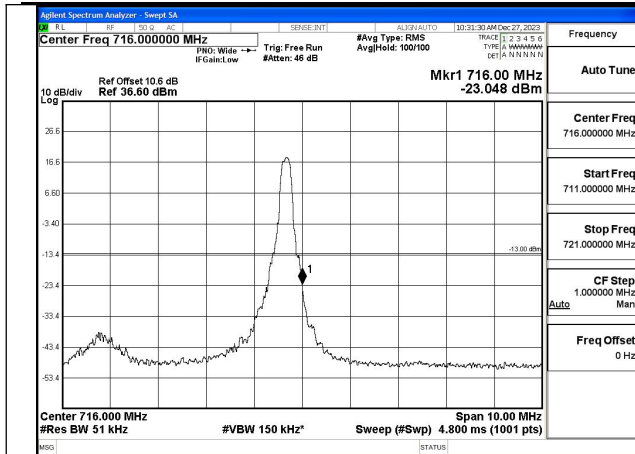


Fig.11

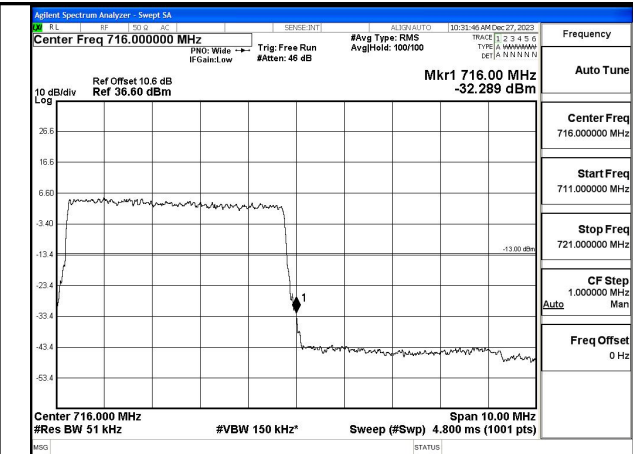


Fig.12

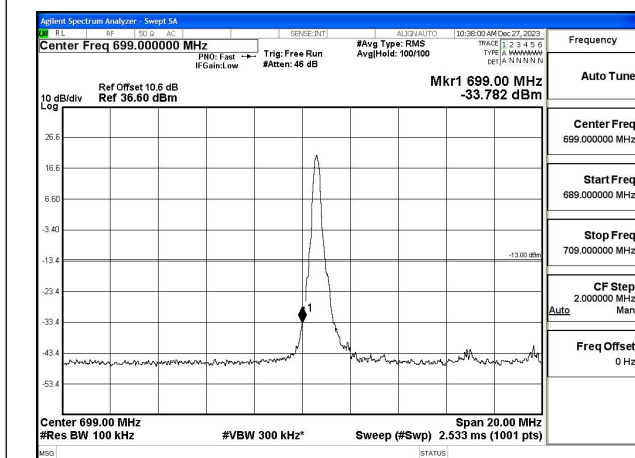


Fig.13

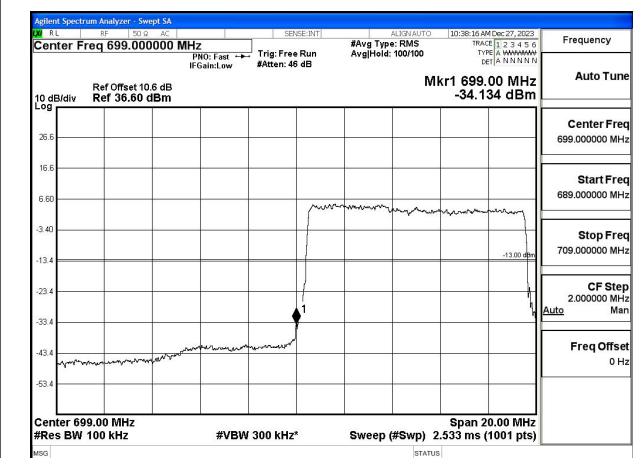


Fig.14

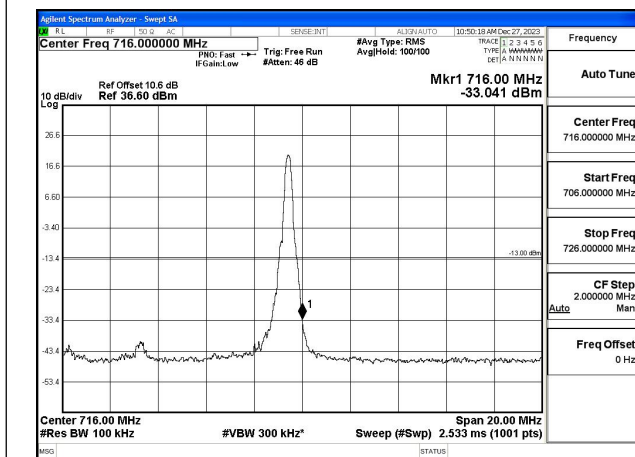


Fig.15

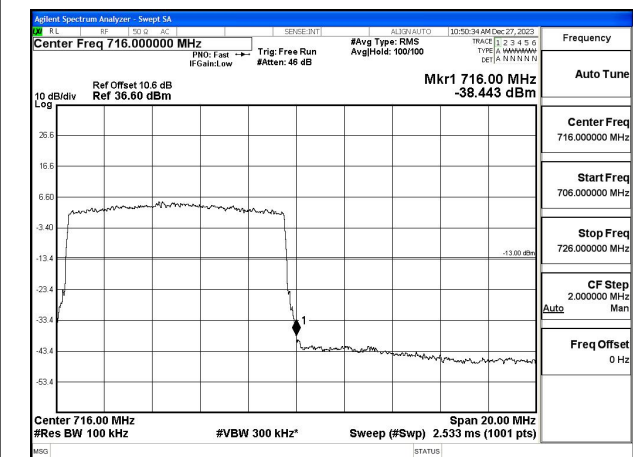


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.006	-0.001	-0.001	-0.007
0	NV	0.006	0.003	0.001	0.005
+10	NV	-0.010	-0.002	0.000	-0.006
+20	NV	-0.026	0.003	0.004	-0.006
+30	NV	-0.009	0.002	0.005	0.007
+40	NV	-0.030	0.003	0.002	0.006
+55	NV	-0.005	0.002	0.005	0.007
+20	LV	0.020	0.002	0.003	-0.006
+20	HV	-0.009	-0.002	0.000	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.008	0.000	0.008	0.005
0	NV	-0.008	-0.002	0.006	-0.007
+10	NV	-0.009	-0.001	0.006	0.005
+20	NV	-0.009	0.001	0.007	-0.006
+30	NV	-0.029	0.002	0.005	-0.006
+40	NV	-0.009	0.001	0.007	-0.006
+55	NV	-0.005	-0.003	0.008	-0.005
+20	LV	-0.006	0.003	0.006	-0.006
+20	HV	-0.007	-0.002	0.004	-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	23.47	17.32	0.054
QPSK	699.7	23017	1.4	1	3	23.38	17.23	0.053
QPSK	699.7	23017	1.4	1	5	23.40	17.25	0.053
QPSK	699.7	23017	1.4	3	0	23.62	17.47	0.056
QPSK	699.7	23017	1.4	3	1	23.54	17.39	0.055
QPSK	699.7	23017	1.4	3	3	23.30	17.15	0.052
QPSK	699.7	23017	1.4	6	0	22.76	16.61	0.046
QPSK	707.5	23095	1.4	1	0	23.41	17.26	0.053
QPSK	707.5	23095	1.4	1	3	23.53	17.38	0.055
QPSK	707.5	23095	1.4	1	5	23.34	17.19	0.052
QPSK	707.5	23095	1.4	3	0	23.45	17.30	0.054
QPSK	707.5	23095	1.4	3	1	23.32	17.17	0.052
QPSK	707.5	23095	1.4	3	3	23.39	17.24	0.053
QPSK	707.5	23095	1.4	6	0	22.62	16.47	0.044
QPSK	715.3	23173	1.4	1	0	23.45	17.30	0.054
QPSK	715.3	23173	1.4	1	3	23.60	17.45	0.056
QPSK	715.3	23173	1.4	1	5	23.37	17.22	0.053
QPSK	715.3	23173	1.4	3	0	23.44	17.29	0.054
QPSK	715.3	23173	1.4	3	1	23.34	17.19	0.052
QPSK	715.3	23173	1.4	3	3	23.45	17.30	0.054
QPSK	715.3	23173	1.4	6	0	22.66	16.51	0.045

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	22.68	16.53	0.045
16QAM	699.7	23017	1.4	1	3	22.75	16.60	0.046
16QAM	699.7	23017	1.4	1	5	22.57	16.42	0.044
16QAM	699.7	23017	1.4	3	0	22.72	16.57	0.045
16QAM	699.7	23017	1.4	3	1	22.61	16.46	0.044
16QAM	699.7	23017	1.4	3	3	22.74	16.59	0.046
16QAM	699.7	23017	1.4	6	0	21.85	15.70	0.037
16QAM	707.5	23095	1.4	1	0	22.90	16.75	0.047
16QAM	707.5	23095	1.4	1	3	22.89	16.74	0.047
16QAM	707.5	23095	1.4	1	5	22.88	16.73	0.047
16QAM	707.5	23095	1.4	3	0	22.67	16.52	0.045
16QAM	707.5	23095	1.4	3	1	22.59	16.44	0.044
16QAM	707.5	23095	1.4	3	3	22.81	16.66	0.046
16QAM	707.5	23095	1.4	6	0	21.60	15.45	0.035
16QAM	715.3	23173	1.4	1	0	22.92	16.77	0.048
16QAM	715.3	23173	1.4	1	3	22.97	16.82	0.048
16QAM	715.3	23173	1.4	1	5	22.84	16.69	0.047
16QAM	715.3	23173	1.4	3	0	22.54	16.39	0.044
16QAM	715.3	23173	1.4	3	1	22.61	16.46	0.044
16QAM	715.3	23173	1.4	3	3	22.59	16.44	0.044
16QAM	715.3	23173	1.4	6	0	21.79	15.64	0.037
64QAM	699.7	23017	1.4	1	0	22.26	16.11	0.041
64QAM	699.7	23017	1.4	1	3	22.16	16.01	0.040
64QAM	699.7	23017	1.4	1	5	21.92	15.77	0.038
64QAM	699.7	23017	1.4	3	0	22.20	16.05	0.040
64QAM	699.7	23017	1.4	3	1	22.15	16.00	0.040
64QAM	699.7	23017	1.4	3	3	22.17	16.02	0.040
64QAM	699.7	23017	1.4	6	0	20.76	14.61	0.029
64QAM	707.5	23095	1.4	1	0	21.73	15.58	0.036
64QAM	707.5	23095	1.4	1	3	21.76	15.61	0.036
64QAM	707.5	23095	1.4	1	5	21.66	15.51	0.036
64QAM	707.5	23095	1.4	3	0	21.66	15.51	0.036
64QAM	707.5	23095	1.4	3	1	21.61	15.46	0.035
64QAM	707.5	23095	1.4	3	3	21.77	15.62	0.036
64QAM	707.5	23095	1.4	6	0	20.85	14.70	0.030
64QAM	715.3	23173	1.4	1	0	21.88	15.73	0.037
64QAM	715.3	23173	1.4	1	3	21.83	15.68	0.037
64QAM	715.3	23173	1.4	1	5	21.93	15.78	0.038
64QAM	715.3	23173	1.4	3	0	21.77	15.62	0.036
64QAM	715.3	23173	1.4	3	1	21.58	15.43	0.035
64QAM	715.3	23173	1.4	3	3	21.68	15.53	0.036
64QAM	715.3	23173	1.4	6	0	20.71	14.56	0.029

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	23.56	17.41	0.055
QPSK	700.5	23025	3	1	8	23.55	17.40	0.055
QPSK	700.5	23025	3	1	14	23.31	17.16	0.052
QPSK	700.5	23025	3	8	0	22.76	16.61	0.046
QPSK	700.5	23025	3	8	4	22.78	16.63	0.046
QPSK	700.5	23025	3	8	7	22.72	16.57	0.045
QPSK	700.5	23025	3	15	0	22.73	16.58	0.045
QPSK	707.5	23095	3	1	0	23.42	17.27	0.053
QPSK	707.5	23095	3	1	8	23.52	17.37	0.055
QPSK	707.5	23095	3	1	14	23.46	17.31	0.054
QPSK	707.5	23095	3	8	0	22.62	16.47	0.044
QPSK	707.5	23095	3	8	4	22.68	16.53	0.045
QPSK	707.5	23095	3	8	7	22.64	16.49	0.045
QPSK	707.5	23095	3	15	0	22.66	16.51	0.045
QPSK	714.5	23165	3	1	0	23.57	17.42	0.055
QPSK	714.5	23165	3	1	8	23.58	17.43	0.055
QPSK	714.5	23165	3	1	14	23.52	17.37	0.055
QPSK	714.5	23165	3	8	0	22.68	16.53	0.045
QPSK	714.5	23165	3	8	4	22.72	16.57	0.045
QPSK	714.5	23165	3	8	7	22.77	16.62	0.046
QPSK	714.5	23165	3	15	0	22.75	16.60	0.046

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	23.24	17.09	0.051
16QAM	700.5	23025	3	1	8	23.33	17.18	0.052
16QAM	700.5	23025	3	1	14	23.37	17.22	0.053
16QAM	700.5	23025	3	8	0	21.83	15.68	0.037
16QAM	700.5	23025	3	8	4	21.86	15.71	0.037
16QAM	700.5	23025	3	8	7	21.82	15.67	0.037
16QAM	700.5	23025	3	15	0	21.78	15.63	0.037
16QAM	707.5	23095	3	1	0	22.80	16.65	0.046
16QAM	707.5	23095	3	1	8	22.94	16.79	0.048
16QAM	707.5	23095	3	1	14	22.72	16.57	0.045
16QAM	707.5	23095	3	8	0	21.64	15.49	0.035
16QAM	707.5	23095	3	8	4	21.60	15.45	0.035
16QAM	707.5	23095	3	8	7	21.66	15.51	0.036
16QAM	707.5	23095	3	15	0	21.80	15.65	0.037
16QAM	714.5	23165	3	1	0	23.01	16.86	0.049
16QAM	714.5	23165	3	1	8	22.99	16.84	0.048
16QAM	714.5	23165	3	1	14	22.96	16.81	0.048
16QAM	714.5	23165	3	8	0	21.82	15.67	0.037
16QAM	714.5	23165	3	8	4	21.84	15.69	0.037
16QAM	714.5	23165	3	8	7	21.88	15.73	0.037
16QAM	714.5	23165	3	15	0	21.71	15.56	0.036
64QAM	700.5	23025	3	1	0	22.16	16.01	0.040
64QAM	700.5	23025	3	1	8	22.25	16.10	0.041
64QAM	700.5	23025	3	1	14	22.11	15.96	0.039
64QAM	700.5	23025	3	8	0	20.85	14.70	0.030
64QAM	700.5	23025	3	8	4	20.91	14.76	0.030
64QAM	700.5	23025	3	8	7	20.86	14.71	0.030
64QAM	700.5	23025	3	15	0	20.71	14.56	0.029
64QAM	707.5	23095	3	1	0	21.70	15.55	0.036
64QAM	707.5	23095	3	1	8	21.91	15.76	0.038
64QAM	707.5	23095	3	1	14	21.82	15.67	0.037
64QAM	707.5	23095	3	8	0	20.77	14.62	0.029
64QAM	707.5	23095	3	8	4	20.71	14.56	0.029
64QAM	707.5	23095	3	8	7	20.73	14.58	0.029
64QAM	707.5	23095	3	15	0	20.78	14.63	0.029
64QAM	714.5	23165	3	1	0	21.95	15.80	0.038
64QAM	714.5	23165	3	1	8	22.05	15.90	0.039
64QAM	714.5	23165	3	1	14	22.05	15.90	0.039
64QAM	714.5	23165	3	8	0	20.73	14.58	0.029
64QAM	714.5	23165	3	8	4	20.79	14.64	0.029
64QAM	714.5	23165	3	8	7	20.72	14.57	0.029
64QAM	714.5	23165	3	15	0	20.69	14.54	0.028

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	23.43	17.28	0.053
QPSK	701.5	23035	5	1	12	23.28	17.13	0.052
QPSK	701.5	23035	5	1	24	23.33	17.18	0.052
QPSK	701.5	23035	5	12	0	22.69	16.54	0.045
QPSK	701.5	23035	5	12	7	22.70	16.55	0.045
QPSK	701.5	23035	5	12	13	22.68	16.53	0.045
QPSK	701.5	23035	5	25	0	22.87	16.72	0.047
QPSK	707.5	23095	5	1	0	23.38	17.23	0.053
QPSK	707.5	23095	5	1	12	23.12	16.97	0.050
QPSK	707.5	23095	5	1	24	23.52	17.37	0.055
QPSK	707.5	23095	5	12	0	22.55	16.40	0.044
QPSK	707.5	23095	5	12	7	22.64	16.49	0.045
QPSK	707.5	23095	5	12	13	22.73	16.58	0.045
QPSK	707.5	23095	5	25	0	22.66	16.51	0.045
QPSK	713.5	23155	5	1	0	23.56	17.41	0.055
QPSK	713.5	23155	5	1	12	23.40	17.25	0.053
QPSK	713.5	23155	5	1	24	23.47	17.32	0.054
QPSK	713.5	23155	5	12	0	22.75	16.60	0.046
QPSK	713.5	23155	5	12	7	22.70	16.55	0.045
QPSK	713.5	23155	5	12	13	22.82	16.67	0.046
QPSK	713.5	23155	5	25	0	22.74	16.59	0.046

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	22.93	16.78	0.048
16QAM	701.5	23035	5	1	12	22.61	16.46	0.044
16QAM	701.5	23035	5	1	24	22.91	16.76	0.047
16QAM	701.5	23035	5	12	0	21.74	15.59	0.036
16QAM	701.5	23035	5	12	7	21.68	15.53	0.036
16QAM	701.5	23035	5	12	13	21.72	15.57	0.036
16QAM	701.5	23035	5	25	0	21.71	15.56	0.036
16QAM	707.5	23095	5	1	0	23.12	16.97	0.050
16QAM	707.5	23095	5	1	12	23.09	16.94	0.049
16QAM	707.5	23095	5	1	24	23.15	17.00	0.050
16QAM	707.5	23095	5	12	0	21.64	15.49	0.035
16QAM	707.5	23095	5	12	7	21.62	15.47	0.035
16QAM	707.5	23095	5	12	13	21.61	15.46	0.035
16QAM	707.5	23095	5	25	0	21.66	15.51	0.036
16QAM	713.5	23155	5	1	0	23.05	16.90	0.049
16QAM	713.5	23155	5	1	12	23.06	16.91	0.049
16QAM	713.5	23155	5	1	24	23.02	16.87	0.049
16QAM	713.5	23155	5	12	0	21.65	15.50	0.035
16QAM	713.5	23155	5	12	7	21.60	15.45	0.035
16QAM	713.5	23155	5	12	13	21.59	15.44	0.035
16QAM	713.5	23155	5	25	0	21.66	15.51	0.036
64QAM	701.5	23035	5	1	0	21.74	15.59	0.036
64QAM	701.5	23035	5	1	12	21.84	15.69	0.037
64QAM	701.5	23035	5	1	24	21.82	15.67	0.037
64QAM	701.5	23035	5	12	0	20.69	14.54	0.028
64QAM	701.5	23035	5	12	7	20.81	14.66	0.029
64QAM	701.5	23035	5	12	13	20.67	14.52	0.028
64QAM	701.5	23035	5	25	0	20.69	14.54	0.028
64QAM	707.5	23095	5	1	0	21.95	15.80	0.038
64QAM	707.5	23095	5	1	12	21.98	15.83	0.038
64QAM	707.5	23095	5	1	24	21.81	15.66	0.037
64QAM	707.5	23095	5	12	0	20.65	14.50	0.028
64QAM	707.5	23095	5	12	7	20.73	14.58	0.029
64QAM	707.5	23095	5	12	13	20.62	14.47	0.028
64QAM	707.5	23095	5	25	0	20.70	14.55	0.029
64QAM	713.5	23155	5	1	0	21.86	15.71	0.037
64QAM	713.5	23155	5	1	12	21.82	15.67	0.037
64QAM	713.5	23155	5	1	24	21.93	15.78	0.038
64QAM	713.5	23155	5	12	0	20.74	14.59	0.029
64QAM	713.5	23155	5	12	7	20.67	14.52	0.028
64QAM	713.5	23155	5	12	13	20.79	14.64	0.029
64QAM	713.5	23155	5	25	0	20.68	14.53	0.028

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	23.44	17.29	0.054
QPSK	704	23060	10	1	25	23.30	17.15	0.052
QPSK	704	23060	10	1	49	23.30	17.15	0.052
QPSK	704	23060	10	25	0	22.77	16.62	0.046
QPSK	704	23060	10	25	12	22.76	16.61	0.046
QPSK	704	23060	10	25	25	22.69	16.54	0.045
QPSK	704	23060	10	50	0	22.88	16.73	0.047
QPSK	707.5	23095	10	1	0	23.32	17.17	0.052
QPSK	707.5	23095	10	1	25	23.31	17.16	0.052
QPSK	707.5	23095	10	1	49	23.51	17.36	0.054
QPSK	707.5	23095	10	25	0	22.69	16.54	0.045
QPSK	707.5	23095	10	25	12	22.71	16.56	0.045
QPSK	707.5	23095	10	25	25	22.69	16.54	0.045
QPSK	707.5	23095	10	50	0	22.79	16.64	0.046
QPSK	711	23130	10	1	0	23.45	17.30	0.054
QPSK	711	23130	10	1	25	23.51	17.36	0.054
QPSK	711	23130	10	1	49	23.53	17.38	0.055
QPSK	711	23130	10	25	0	22.69	16.54	0.045
QPSK	711	23130	10	25	12	22.68	16.53	0.045
QPSK	711	23130	10	25	25	22.85	16.70	0.047
QPSK	711	23130	10	50	0	22.55	16.40	0.044

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	23.71	17.56	0.057
16QAM	704	23060	10	1	25	23.57	17.42	0.055
16QAM	704	23060	10	1	49	23.77	17.62	0.058
16QAM	704	23060	10	25	0	21.69	15.54	0.036
16QAM	704	23060	10	25	12	21.84	15.69	0.037
16QAM	704	23060	10	25	25	21.64	15.49	0.035
16QAM	704	23060	10	50	0	21.79	15.64	0.037
16QAM	707.5	23095	10	1	0	22.89	16.74	0.047
16QAM	707.5	23095	10	1	25	22.81	16.66	0.046
16QAM	707.5	23095	10	1	49	22.92	16.77	0.048
16QAM	707.5	23095	10	25	0	21.67	15.52	0.036
16QAM	707.5	23095	10	25	12	21.79	15.64	0.037
16QAM	707.5	23095	10	25	25	21.80	15.65	0.037
16QAM	707.5	23095	10	50	0	21.70	15.55	0.036
16QAM	711	23130	10	1	0	22.91	16.76	0.047
16QAM	711	23130	10	1	25	22.96	16.81	0.048
16QAM	711	23130	10	1	49	22.91	16.76	0.047
16QAM	711	23130	10	25	0	21.70	15.55	0.036
16QAM	711	23130	10	25	12	21.73	15.58	0.036
16QAM	711	23130	10	25	25	21.70	15.55	0.036
16QAM	711	23130	10	50	0	21.68	15.53	0.036
64QAM	704	23060	10	1	0	22.04	15.89	0.039
64QAM	704	23060	10	1	25	22.32	16.17	0.041
64QAM	704	23060	10	1	49	22.09	15.94	0.039
64QAM	704	23060	10	25	0	20.78	14.63	0.029
64QAM	704	23060	10	25	12	20.84	14.69	0.029
64QAM	704	23060	10	25	25	20.83	14.68	0.029
64QAM	704	23060	10	50	0	20.85	14.70	0.030
64QAM	707.5	23095	10	1	0	21.73	15.58	0.036
64QAM	707.5	23095	10	1	25	21.76	15.61	0.036
64QAM	707.5	23095	10	1	49	21.84	15.69	0.037
64QAM	707.5	23095	10	25	0	20.74	14.59	0.029
64QAM	707.5	23095	10	25	12	20.75	14.60	0.029
64QAM	707.5	23095	10	25	25	20.78	14.63	0.029
64QAM	707.5	23095	10	50	0	20.78	14.63	0.029
64QAM	711	23130	10	1	0	21.85	15.70	0.037
64QAM	711	23130	10	1	25	22.01	15.86	0.039
64QAM	711	23130	10	1	49	21.86	15.71	0.037
64QAM	711	23130	10	25	0	20.72	14.57	0.029
64QAM	711	23130	10	25	12	20.88	14.73	0.030
64QAM	711	23130	10	25	25	21.03	14.88	0.031
64QAM	711	23130	10	50	0	20.75	14.60	0.029