

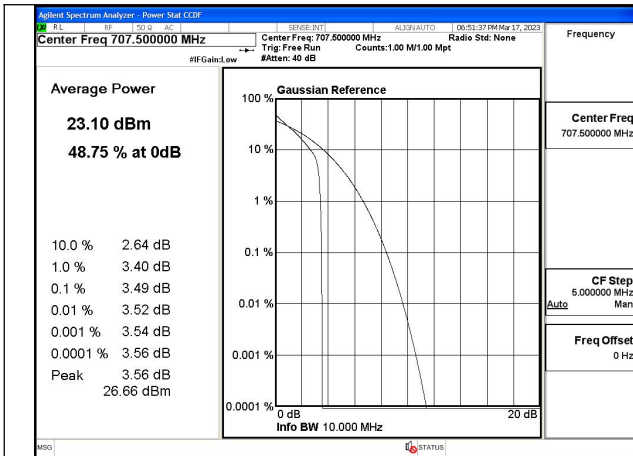


Fig.61

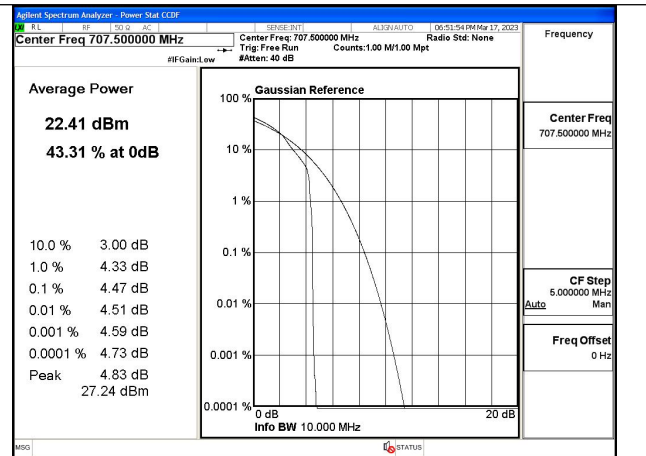


Fig.62

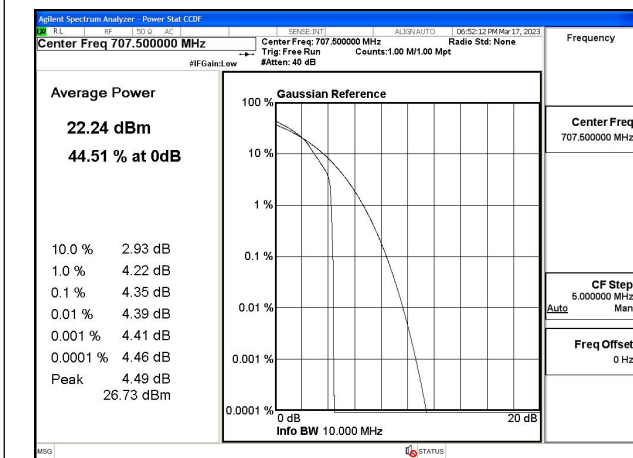


Fig.63

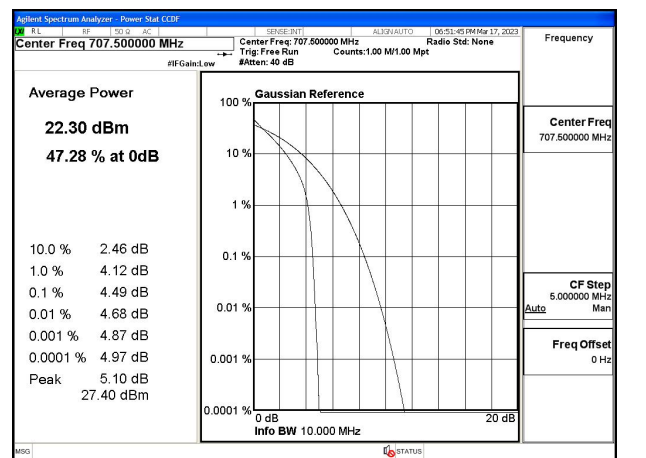


Fig.64

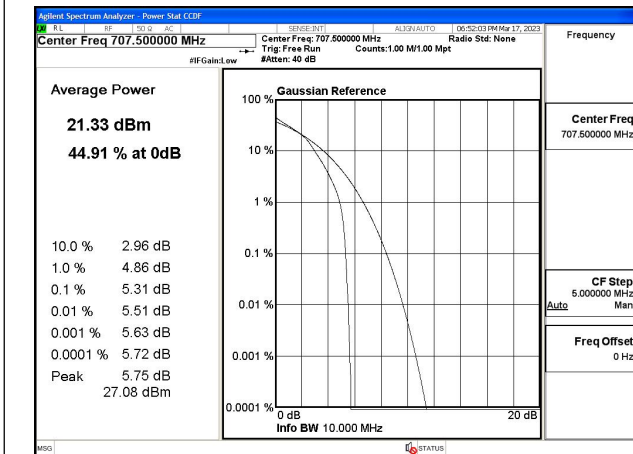


Fig.65

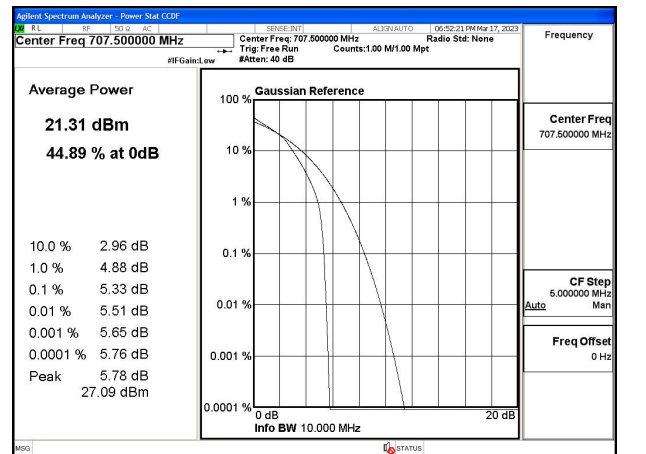


Fig.66

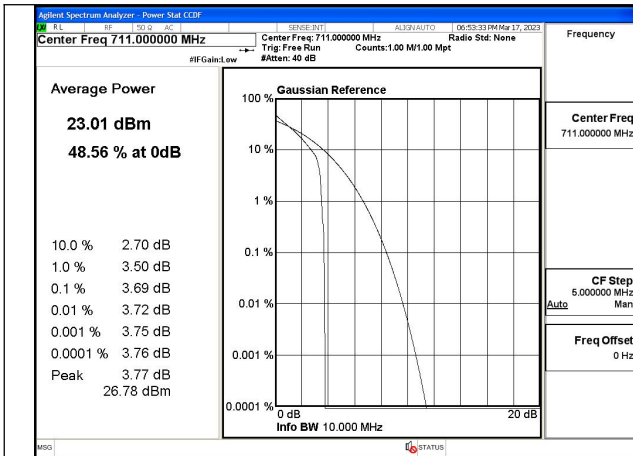


Fig.67

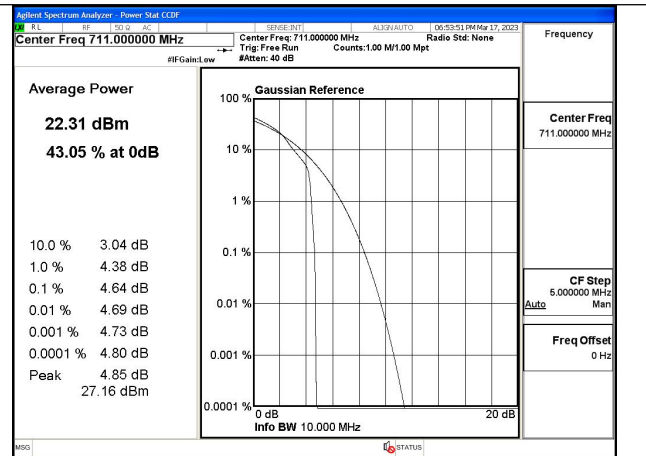


Fig.68

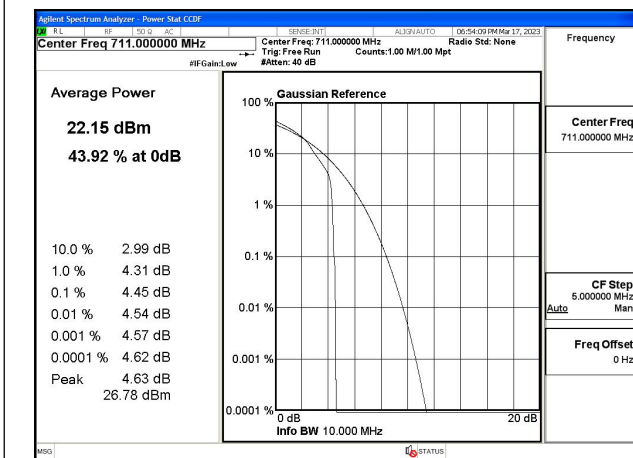


Fig.69

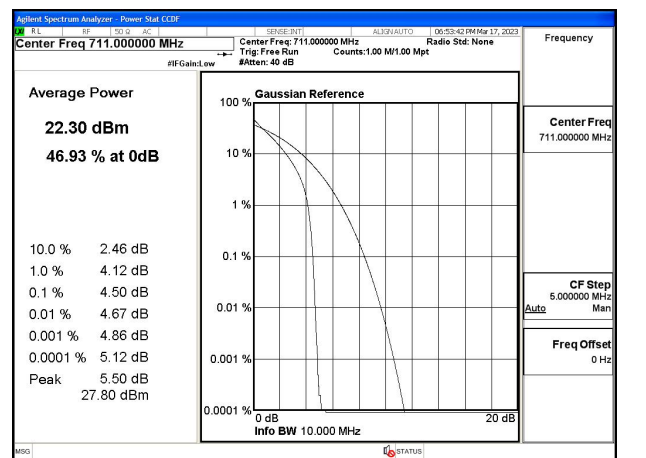


Fig.70

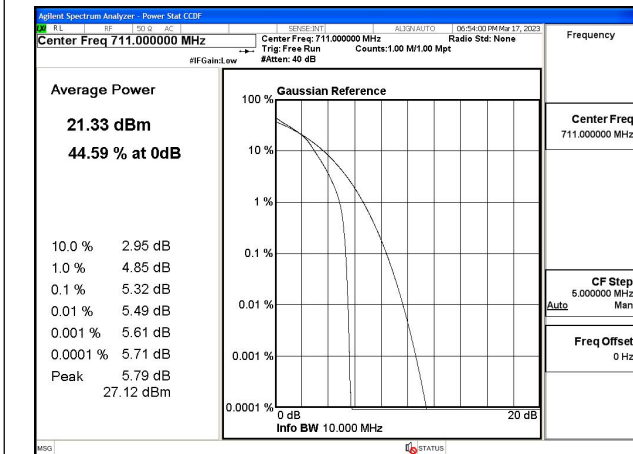


Fig.71

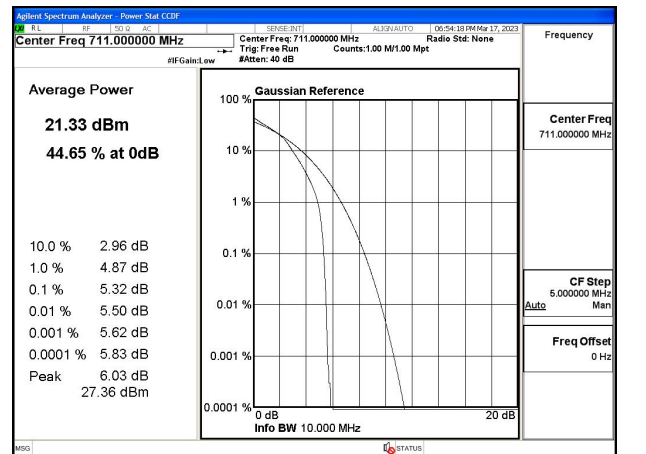


Fig.72

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

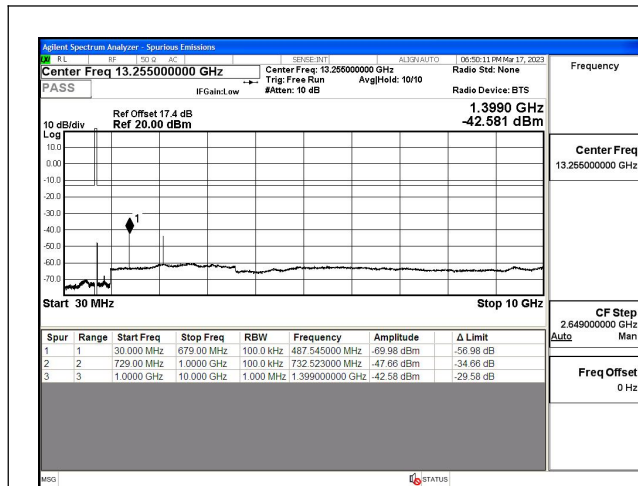


Fig.1

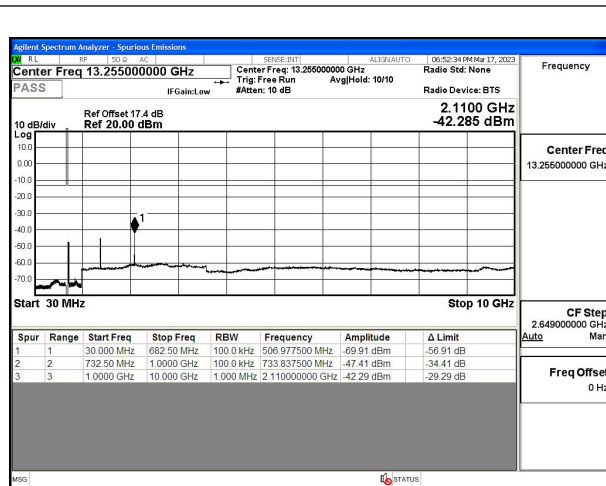


Fig.2

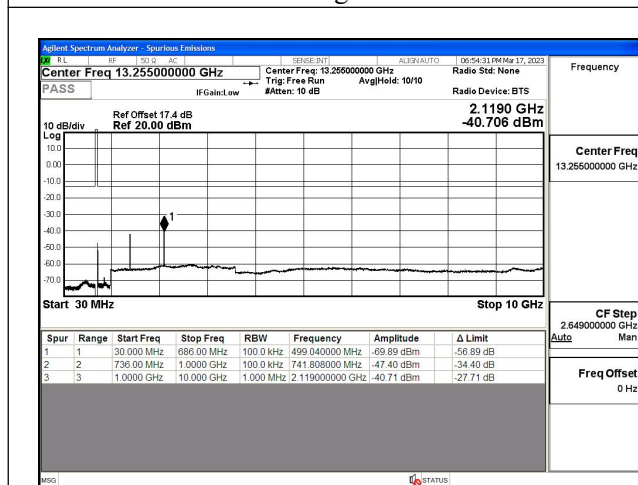


Fig.3

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

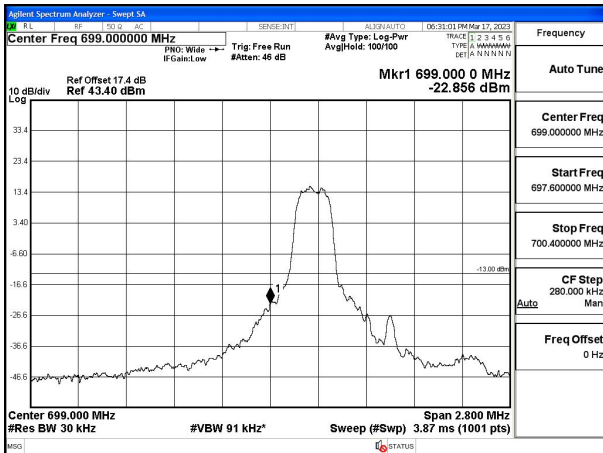


Fig.1

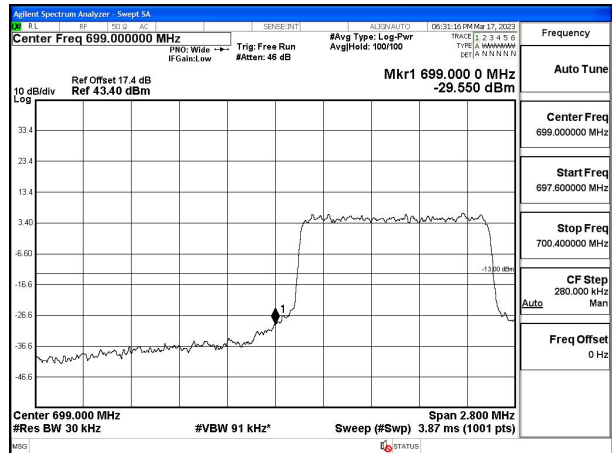


Fig.2

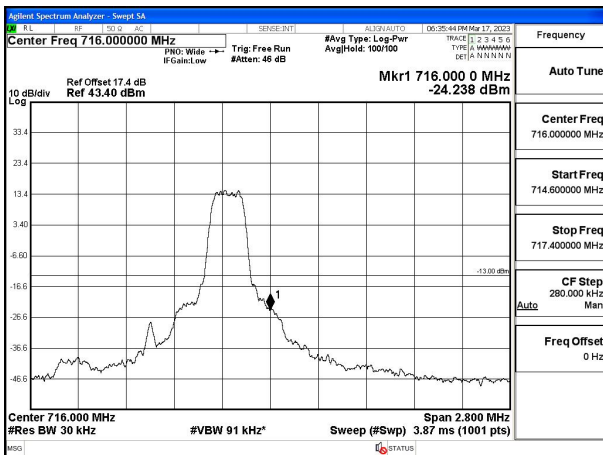


Fig.3

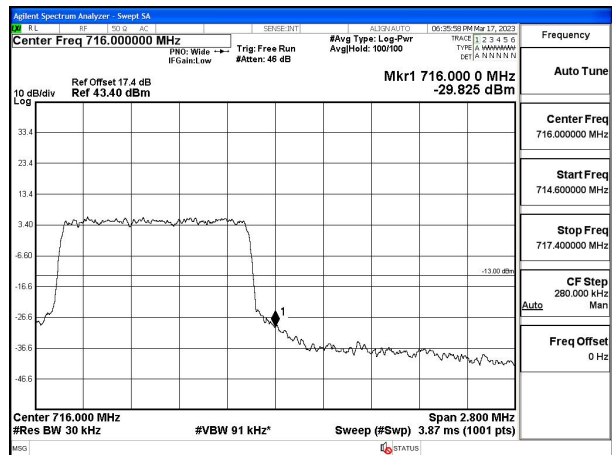


Fig.4

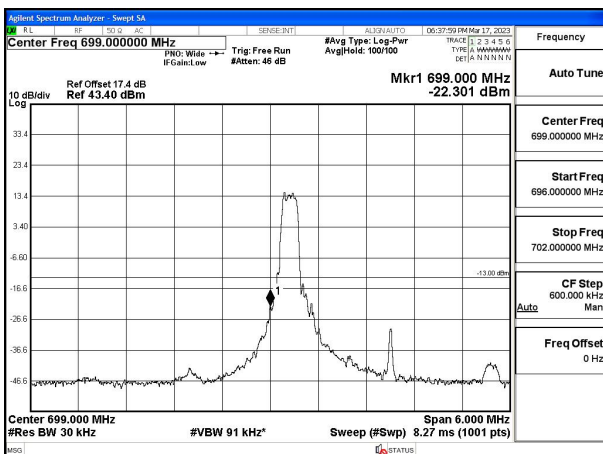


Fig.5

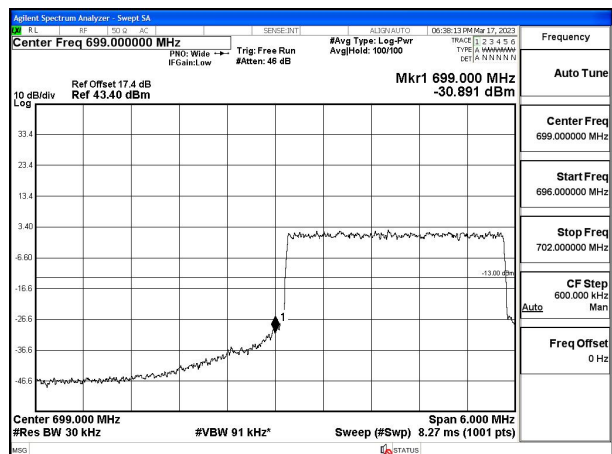


Fig.6

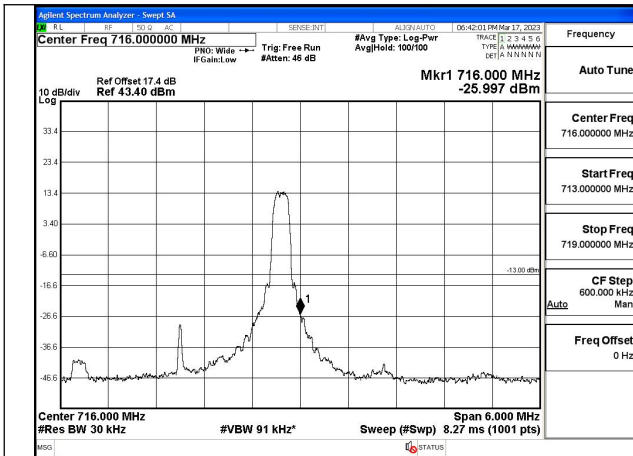


Fig.7

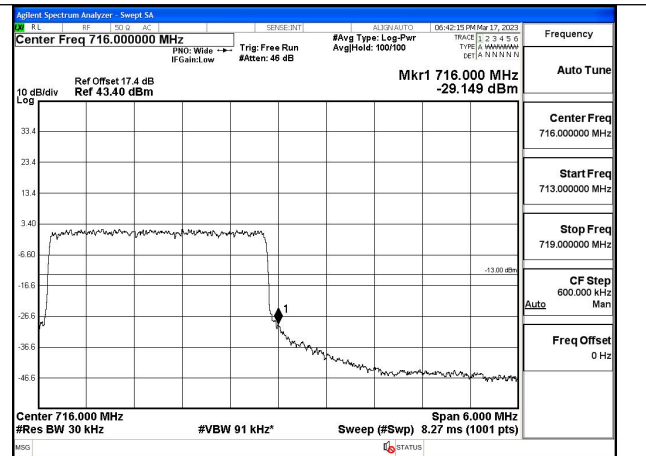


Fig.8

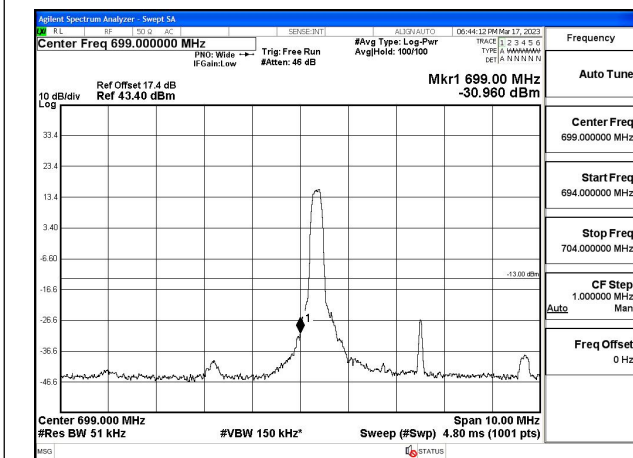


Fig.9

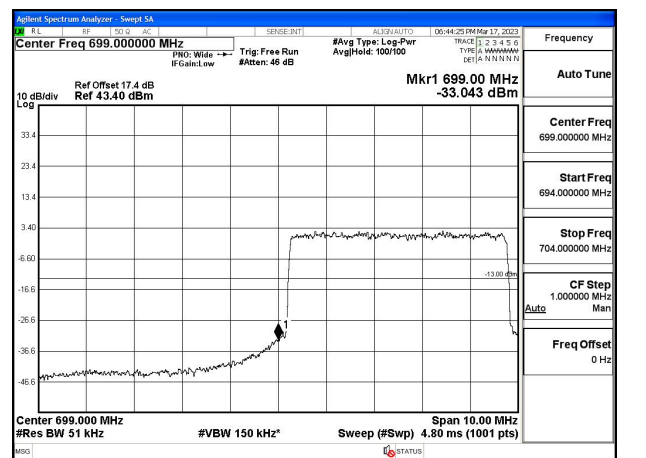


Fig.10

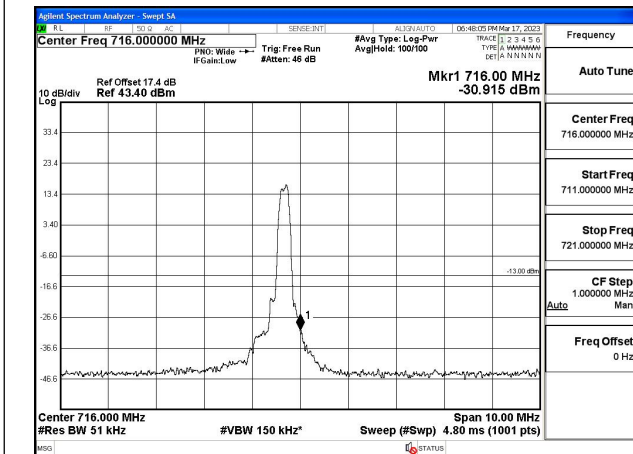


Fig.11

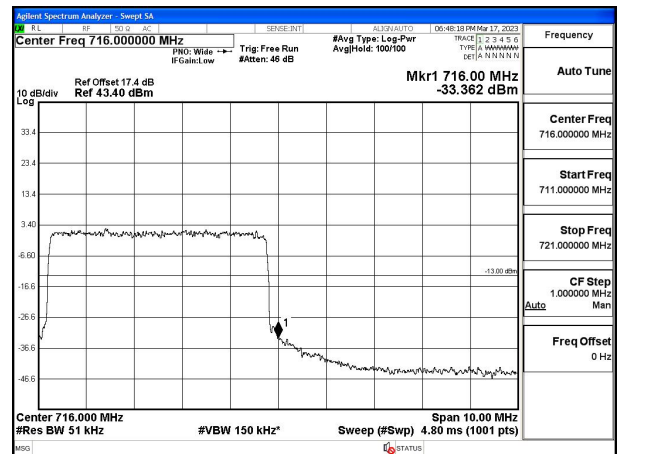


Fig.12

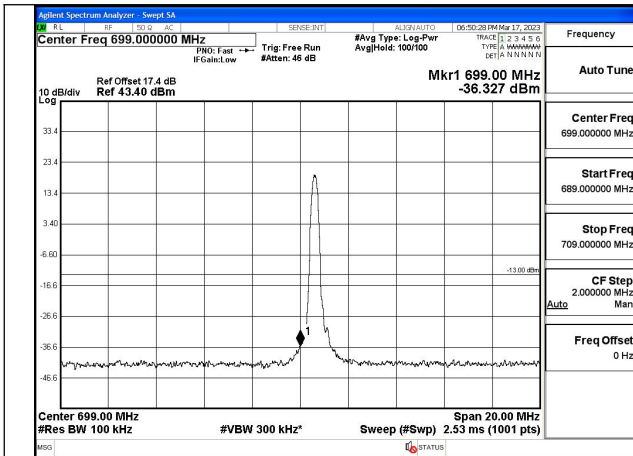


Fig.13

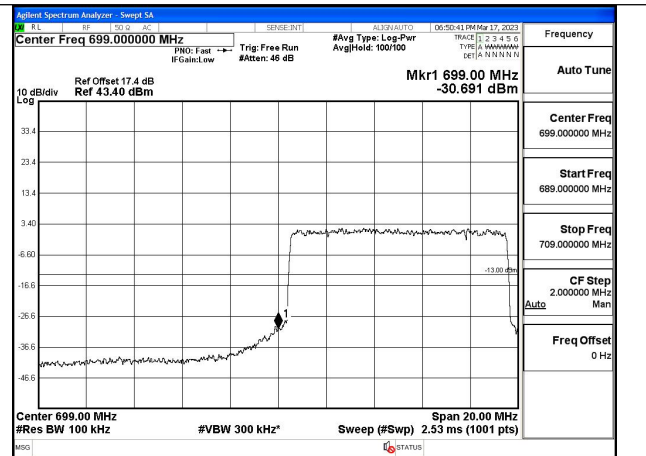


Fig.14

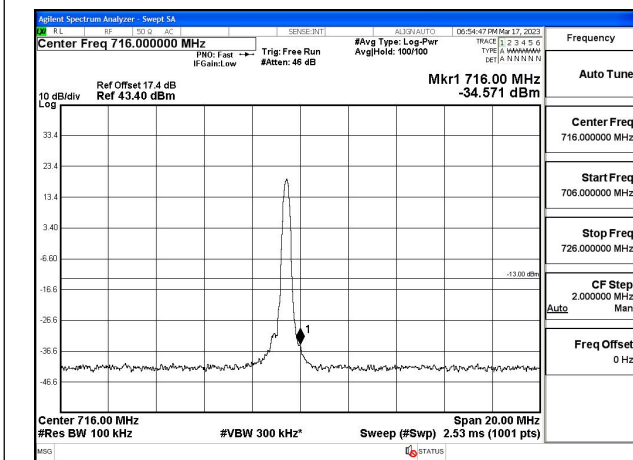


Fig.15

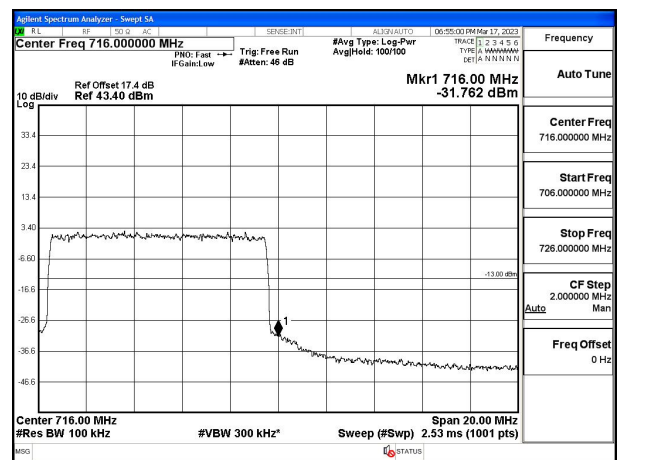


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.009	0.005	0.003	0.006
0	NV	-0.033	0.034	-0.007	-0.008
+10	NV	0.026	0.009	0.003	-0.006
+20	NV	-0.024	0.014	-0.001	-0.008
+30	NV	0.015	0.009	-0.001	0.005
+40	NV	0.019	0.004	0.002	0.007
+50	NV	0.014	0.006	0.001	0.005
+55	NV	0.019	0.003	0.008	0.010
+20	LV	0.019	-0.008	-0.004	-0.005
+20	HV	0.022	0.004	-0.001	0.005

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.022	-0.014	0.004	-0.006
0	NV	-0.029	0.008	0.008	0.008
+10	NV	-0.020	0.009	-0.006	-0.006
+20	NV	0.034	0.006	-0.010	0.008
+30	NV	0.020	0.006	0.006	-0.009
+40	NV	-0.036	0.015	0.010	0.004
+50	NV	0.021	0.011	0.011	0.008
+55	NV	0.015	0.015	0.004	0.007
+20	LV	-0.023	0.004	-0.007	0.005
+20	HV	-0.030	0.013	0.007	0.004

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	23.15	13.40	0.022
QPSK	699.7	23017	1.4	1	3	23.08	13.33	0.022
QPSK	699.7	23017	1.4	1	5	22.87	13.12	0.021
QPSK	699.7	23017	1.4	3	0	23.02	13.27	0.021
QPSK	699.7	23017	1.4	3	1	23.18	13.43	0.022
QPSK	699.7	23017	1.4	3	3	23.06	13.31	0.021
QPSK	699.7	23017	1.4	6	0	22.34	12.59	0.018
QPSK	707.5	23095	1.4	1	0	23.01	13.26	0.021
QPSK	707.5	23095	1.4	1	3	23.20	13.45	0.022
QPSK	707.5	23095	1.4	1	5	23.08	13.33	0.022
QPSK	707.5	23095	1.4	3	0	23.16	13.41	0.022
QPSK	707.5	23095	1.4	3	1	23.11	13.36	0.022
QPSK	707.5	23095	1.4	3	3	23.04	13.29	0.021
QPSK	707.5	23095	1.4	6	0	22.07	12.32	0.017
QPSK	715.3	23173	1.4	1	0	22.92	13.17	0.021
QPSK	715.3	23173	1.4	1	3	22.95	13.20	0.021
QPSK	715.3	23173	1.4	1	5	22.95	13.20	0.021
QPSK	715.3	23173	1.4	3	0	22.97	13.22	0.021
QPSK	715.3	23173	1.4	3	1	23.08	13.33	0.022
QPSK	715.3	23173	1.4	3	3	23.00	13.25	0.021
QPSK	715.3	23173	1.4	6	0	22.10	12.35	0.017

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	22.20	12.45	0.018
16QAM	699.7	23017	1.4	1	3	22.83	13.08	0.020
16QAM	699.7	23017	1.4	1	5	22.23	12.48	0.018
16QAM	699.7	23017	1.4	3	0	22.36	12.61	0.018
16QAM	699.7	23017	1.4	3	1	22.16	12.41	0.017
16QAM	699.7	23017	1.4	3	3	22.41	12.66	0.018
16QAM	699.7	23017	1.4	6	0	21.31	11.56	0.014
16QAM	707.5	23095	1.4	1	0	22.85	13.10	0.020
16QAM	707.5	23095	1.4	1	3	22.45	12.70	0.019
16QAM	707.5	23095	1.4	1	5	22.32	12.57	0.018
16QAM	707.5	23095	1.4	3	0	22.39	12.64	0.018
16QAM	707.5	23095	1.4	3	1	22.15	12.40	0.017
16QAM	707.5	23095	1.4	3	3	22.13	12.38	0.017
16QAM	707.5	23095	1.4	6	0	21.13	11.38	0.014
16QAM	715.3	23173	1.4	1	0	22.24	12.49	0.018
16QAM	715.3	23173	1.4	1	3	22.18	12.43	0.017
16QAM	715.3	23173	1.4	1	5	22.13	12.38	0.017
16QAM	715.3	23173	1.4	3	0	22.14	12.39	0.017
16QAM	715.3	23173	1.4	3	1	22.04	12.29	0.017
16QAM	715.3	23173	1.4	3	3	22.17	12.42	0.017
16QAM	715.3	23173	1.4	6	0	21.01	11.26	0.013
64QAM	699.7	23017	1.4	1	0	22.23	12.48	0.018
64QAM	699.7	23017	1.4	1	3	22.44	12.69	0.019
64QAM	699.7	23017	1.4	1	5	22.39	12.64	0.018
64QAM	699.7	23017	1.4	3	0	21.94	12.19	0.017
64QAM	699.7	23017	1.4	3	1	22.22	12.47	0.018
64QAM	699.7	23017	1.4	3	3	22.29	12.54	0.018
64QAM	699.7	23017	1.4	6	0	21.33	11.58	0.014
64QAM	707.5	23095	1.4	1	0	21.99	12.24	0.017
64QAM	707.5	23095	1.4	1	3	22.01	12.26	0.017
64QAM	707.5	23095	1.4	1	5	22.15	12.40	0.017
64QAM	707.5	23095	1.4	3	0	21.99	12.24	0.017
64QAM	707.5	23095	1.4	3	1	22.07	12.32	0.017
64QAM	707.5	23095	1.4	3	3	22.26	12.51	0.018
64QAM	707.5	23095	1.4	6	0	21.19	11.44	0.014
64QAM	715.3	23173	1.4	1	0	21.87	12.12	0.016
64QAM	715.3	23173	1.4	1	3	21.76	12.01	0.016
64QAM	715.3	23173	1.4	1	5	22.22	12.47	0.018
64QAM	715.3	23173	1.4	3	0	22.09	12.34	0.017
64QAM	715.3	23173	1.4	3	1	22.06	12.31	0.017
64QAM	715.3	23173	1.4	3	3	21.63	11.88	0.015
64QAM	715.3	23173	1.4	6	0	21.20	11.45	0.014

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	23.30	13.55	0.023
QPSK	700.5	23025	3	1	8	23.14	13.39	0.022
QPSK	700.5	23025	3	1	14	23.11	13.36	0.022
QPSK	700.5	23025	3	8	0	22.24	12.49	0.018
QPSK	700.5	23025	3	8	4	22.24	12.49	0.018
QPSK	700.5	23025	3	8	7	22.39	12.64	0.018
QPSK	700.5	23025	3	15	0	22.32	12.57	0.018
QPSK	707.5	23095	3	1	0	23.11	13.36	0.022
QPSK	707.5	23095	3	1	8	23.38	13.63	0.023
QPSK	707.5	23095	3	1	14	22.99	13.24	0.021
QPSK	707.5	23095	3	8	0	22.18	12.43	0.017
QPSK	707.5	23095	3	8	4	22.19	12.44	0.018
QPSK	707.5	23095	3	8	7	22.21	12.46	0.018
QPSK	707.5	23095	3	15	0	22.09	12.34	0.017
QPSK	714.5	23165	3	1	0	22.74	12.99	0.020
QPSK	714.5	23165	3	1	8	23.01	13.26	0.021
QPSK	714.5	23165	3	1	14	22.71	12.96	0.020
QPSK	714.5	23165	3	8	0	22.03	12.28	0.017
QPSK	714.5	23165	3	8	4	22.11	12.36	0.017
QPSK	714.5	23165	3	8	7	22.15	12.40	0.017
QPSK	714.5	23165	3	15	0	22.11	12.36	0.017

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	22.57	12.82	0.019
16QAM	700.5	23025	3	1	8	22.31	12.56	0.018
16QAM	700.5	23025	3	1	14	21.95	12.20	0.017
16QAM	700.5	23025	3	8	0	21.17	11.42	0.014
16QAM	700.5	23025	3	8	4	21.24	11.49	0.014
16QAM	700.5	23025	3	8	7	21.31	11.56	0.014
16QAM	700.5	23025	3	15	0	21.31	11.56	0.014
16QAM	707.5	23095	3	1	0	22.32	12.57	0.018
16QAM	707.5	23095	3	1	8	22.76	13.01	0.020
16QAM	707.5	23095	3	1	14	22.79	13.04	0.020
16QAM	707.5	23095	3	8	0	21.23	11.48	0.014
16QAM	707.5	23095	3	8	4	21.33	11.58	0.014
16QAM	707.5	23095	3	8	7	21.14	11.39	0.014
16QAM	707.5	23095	3	15	0	21.24	11.49	0.014
16QAM	714.5	23165	3	1	0	22.07	12.32	0.017
16QAM	714.5	23165	3	1	8	22.00	12.25	0.017
16QAM	714.5	23165	3	1	14	22.30	12.55	0.018
16QAM	714.5	23165	3	8	0	20.99	11.24	0.013
16QAM	714.5	23165	3	8	4	21.27	11.52	0.014
16QAM	714.5	23165	3	8	7	21.10	11.35	0.014
16QAM	714.5	23165	3	15	0	21.19	11.44	0.014
64QAM	700.5	23025	3	1	0	21.85	12.10	0.016
64QAM	700.5	23025	3	1	8	22.57	12.82	0.019
64QAM	700.5	23025	3	1	14	21.90	12.15	0.016
64QAM	700.5	23025	3	8	0	21.33	11.58	0.014
64QAM	700.5	23025	3	8	4	21.27	11.52	0.014
64QAM	700.5	23025	3	8	7	21.17	11.42	0.014
64QAM	700.5	23025	3	15	0	21.23	11.48	0.014
64QAM	707.5	23095	3	1	0	21.92	12.17	0.016
64QAM	707.5	23095	3	1	8	21.92	12.17	0.016
64QAM	707.5	23095	3	1	14	22.23	12.48	0.018
64QAM	707.5	23095	3	8	0	21.12	11.37	0.014
64QAM	707.5	23095	3	8	4	21.09	11.34	0.014
64QAM	707.5	23095	3	8	7	21.16	11.41	0.014
64QAM	707.5	23095	3	15	0	20.99	11.24	0.013
64QAM	714.5	23165	3	1	0	21.90	12.15	0.016
64QAM	714.5	23165	3	1	8	22.36	12.61	0.018
64QAM	714.5	23165	3	1	14	22.17	12.42	0.017
64QAM	714.5	23165	3	8	0	21.05	11.30	0.013
64QAM	714.5	23165	3	8	4	21.04	11.29	0.013
64QAM	714.5	23165	3	8	7	20.97	11.22	0.013
64QAM	714.5	23165	3	15	0	21.01	11.26	0.013

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	23.10	13.35	0.022
QPSK	701.5	23035	5	1	12	23.02	13.27	0.021
QPSK	701.5	23035	5	1	24	23.00	13.25	0.021
QPSK	701.5	23035	5	12	0	22.27	12.52	0.018
QPSK	701.5	23035	5	12	7	22.29	12.54	0.018
QPSK	701.5	23035	5	12	13	22.18	12.43	0.017
QPSK	701.5	23035	5	25	0	22.27	12.52	0.018
QPSK	707.5	23095	5	1	0	23.26	13.51	0.022
QPSK	707.5	23095	5	1	12	23.48	13.73	0.024
QPSK	707.5	23095	5	1	24	22.97	13.22	0.021
QPSK	707.5	23095	5	12	0	22.10	12.35	0.017
QPSK	707.5	23095	5	12	7	22.09	12.34	0.017
QPSK	707.5	23095	5	12	13	22.14	12.39	0.017
QPSK	707.5	23095	5	25	0	22.10	12.35	0.017
QPSK	713.5	23155	5	1	0	23.05	13.30	0.021
QPSK	713.5	23155	5	1	12	22.98	13.23	0.021
QPSK	713.5	23155	5	1	24	22.86	13.11	0.020
QPSK	713.5	23155	5	12	0	22.08	12.33	0.017
QPSK	713.5	23155	5	12	7	22.01	12.26	0.017
QPSK	713.5	23155	5	12	13	22.13	12.38	0.017
QPSK	713.5	23155	5	25	0	21.94	12.19	0.017

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	22.62	12.87	0.019
16QAM	701.5	23035	5	1	12	22.59	12.84	0.019
16QAM	701.5	23035	5	1	24	22.55	12.80	0.019
16QAM	701.5	23035	5	12	0	21.26	11.51	0.014
16QAM	701.5	23035	5	12	7	21.27	11.52	0.014
16QAM	701.5	23035	5	12	13	21.31	11.56	0.014
16QAM	701.5	23035	5	25	0	21.32	11.57	0.014
16QAM	707.5	23095	5	1	0	22.34	12.59	0.018
16QAM	707.5	23095	5	1	12	22.60	12.85	0.019
16QAM	707.5	23095	5	1	24	21.95	12.20	0.017
16QAM	707.5	23095	5	12	0	21.19	11.44	0.014
16QAM	707.5	23095	5	12	7	21.19	11.44	0.014
16QAM	707.5	23095	5	12	13	21.26	11.51	0.014
16QAM	707.5	23095	5	25	0	21.06	11.31	0.014
16QAM	713.5	23155	5	1	0	22.55	12.80	0.019
16QAM	713.5	23155	5	1	12	22.16	12.41	0.017
16QAM	713.5	23155	5	1	24	22.33	12.58	0.018
16QAM	713.5	23155	5	12	0	20.99	11.24	0.013
16QAM	713.5	23155	5	12	7	21.13	11.38	0.014
16QAM	713.5	23155	5	12	13	21.14	11.39	0.014
16QAM	713.5	23155	5	25	0	20.95	11.20	0.013
64QAM	701.5	23035	5	1	0	22.33	12.58	0.018
64QAM	701.5	23035	5	1	12	22.17	12.42	0.017
64QAM	701.5	23035	5	1	24	22.18	12.43	0.017
64QAM	701.5	23035	5	12	0	21.10	11.35	0.014
64QAM	701.5	23035	5	12	7	21.40	11.65	0.015
64QAM	701.5	23035	5	12	13	21.17	11.42	0.014
64QAM	701.5	23035	5	25	0	21.22	11.47	0.014
64QAM	707.5	23095	5	1	0	22.30	12.55	0.018
64QAM	707.5	23095	5	1	12	22.03	12.28	0.017
64QAM	707.5	23095	5	1	24	22.11	12.36	0.017
64QAM	707.5	23095	5	12	0	20.99	11.24	0.013
64QAM	707.5	23095	5	12	7	21.24	11.49	0.014
64QAM	707.5	23095	5	12	13	21.17	11.42	0.014
64QAM	707.5	23095	5	25	0	21.15	11.40	0.014
64QAM	713.5	23155	5	1	0	21.97	12.22	0.017
64QAM	713.5	23155	5	1	12	21.88	12.13	0.016
64QAM	713.5	23155	5	1	24	21.72	11.97	0.016
64QAM	713.5	23155	5	12	0	21.03	11.28	0.013
64QAM	713.5	23155	5	12	7	21.06	11.31	0.014
64QAM	713.5	23155	5	12	13	21.08	11.33	0.014
64QAM	713.5	23155	5	25	0	21.03	11.28	0.013

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	23.30	13.55	0.023
QPSK	704	23060	10	1	25	23.23	13.48	0.022
QPSK	704	23060	10	1	49	22.93	13.18	0.021
QPSK	704	23060	10	25	0	22.17	12.42	0.017
QPSK	704	23060	10	25	12	22.26	12.51	0.018
QPSK	704	23060	10	25	25	22.11	12.36	0.017
QPSK	704	23060	10	50	0	22.25	12.50	0.018
QPSK	707.5	23095	10	1	0	23.26	13.51	0.022
QPSK	707.5	23095	10	1	25	22.94	13.19	0.021
QPSK	707.5	23095	10	1	49	22.94	13.19	0.021
QPSK	707.5	23095	10	25	0	22.20	12.45	0.018
QPSK	707.5	23095	10	25	12	22.13	12.38	0.017
QPSK	707.5	23095	10	25	25	22.14	12.39	0.017
QPSK	707.5	23095	10	50	0	22.09	12.34	0.017
QPSK	711	23130	10	1	0	23.05	13.30	0.021
QPSK	711	23130	10	1	25	23.13	13.38	0.022
QPSK	711	23130	10	1	49	22.91	13.16	0.021
QPSK	711	23130	10	25	0	22.09	12.34	0.017
QPSK	711	23130	10	25	12	22.19	12.44	0.018
QPSK	711	23130	10	25	25	22.11	12.36	0.017
QPSK	711	23130	10	50	0	22.03	12.28	0.017

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	22.39	12.64	0.018
16QAM	704	23060	10	1	25	22.73	12.98	0.020
16QAM	704	23060	10	1	49	22.32	12.57	0.018
16QAM	704	23060	10	25	0	21.17	11.42	0.014
16QAM	704	23060	10	25	12	21.34	11.59	0.014
16QAM	704	23060	10	25	25	21.18	11.43	0.014
16QAM	704	23060	10	50	0	21.21	11.46	0.014
16QAM	707.5	23095	10	1	0	23.03	13.28	0.021
16QAM	707.5	23095	10	1	25	22.50	12.75	0.019
16QAM	707.5	23095	10	1	49	22.28	12.53	0.018
16QAM	707.5	23095	10	25	0	21.22	11.47	0.014
16QAM	707.5	23095	10	25	12	21.22	11.47	0.014
16QAM	707.5	23095	10	25	25	21.18	11.43	0.014
16QAM	707.5	23095	10	50	0	21.07	11.32	0.014
16QAM	711	23130	10	1	0	22.29	12.54	0.018
16QAM	711	23130	10	1	25	22.58	12.83	0.019
16QAM	711	23130	10	1	49	22.42	12.67	0.018
16QAM	711	23130	10	25	0	21.20	11.45	0.014
16QAM	711	23130	10	25	12	21.20	11.45	0.014
16QAM	711	23130	10	25	25	21.14	11.39	0.014
16QAM	711	23130	10	50	0	21.22	11.47	0.014
64QAM	704	23060	10	1	0	22.22	12.47	0.018
64QAM	704	23060	10	1	25	22.46	12.71	0.019
64QAM	704	23060	10	1	49	22.29	12.54	0.018
64QAM	704	23060	10	25	0	21.17	11.42	0.014
64QAM	704	23060	10	25	12	21.26	11.51	0.014
64QAM	704	23060	10	25	25	21.16	11.41	0.014
64QAM	704	23060	10	50	0	21.28	11.53	0.014
64QAM	707.5	23095	10	1	0	22.40	12.65	0.018
64QAM	707.5	23095	10	1	25	22.05	12.30	0.017
64QAM	707.5	23095	10	1	49	21.92	12.17	0.016
64QAM	707.5	23095	10	25	0	21.21	11.46	0.014
64QAM	707.5	23095	10	25	12	21.23	11.48	0.014
64QAM	707.5	23095	10	25	25	21.10	11.35	0.014
64QAM	707.5	23095	10	50	0	21.06	11.31	0.014
64QAM	711	23130	10	1	0	22.11	12.36	0.017
64QAM	711	23130	10	1	25	22.30	12.55	0.018
64QAM	711	23130	10	1	49	22.12	12.37	0.017
64QAM	711	23130	10	25	0	21.11	11.36	0.014
64QAM	711	23130	10	25	12	21.18	11.43	0.014
64QAM	711	23130	10	25	25	21.16	11.41	0.014
64QAM	711	23130	10	50	0	21.15	11.40	0.014