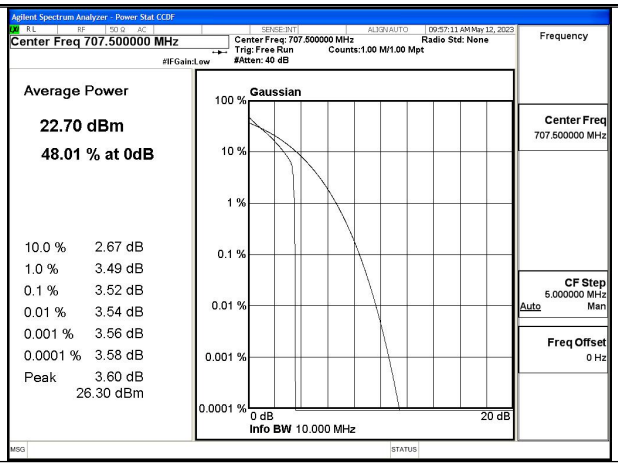


Fig.61

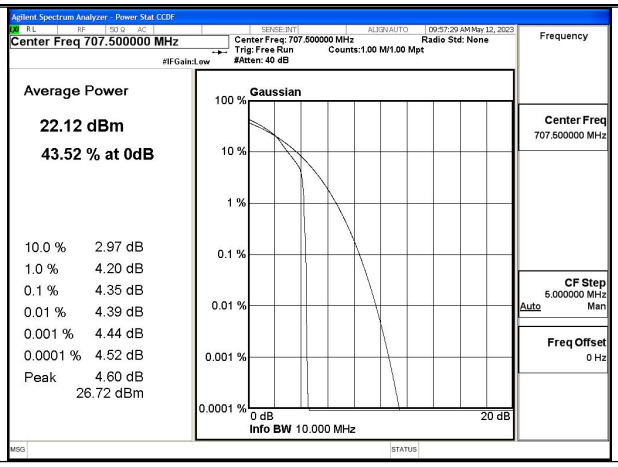


Fig.62

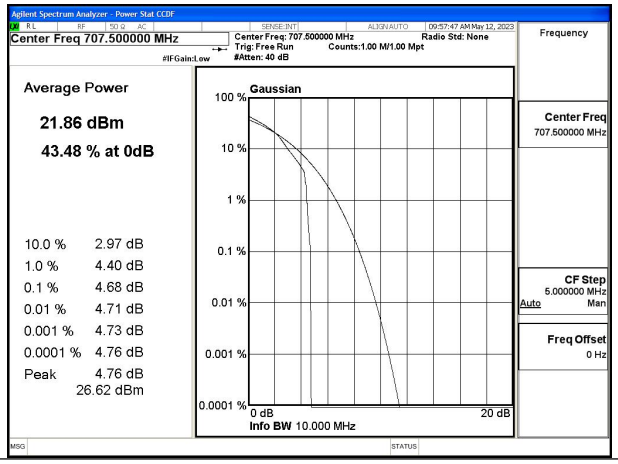


Fig.63

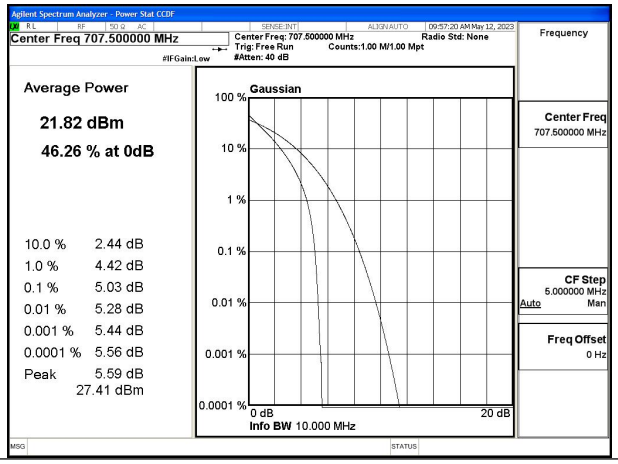


Fig.64

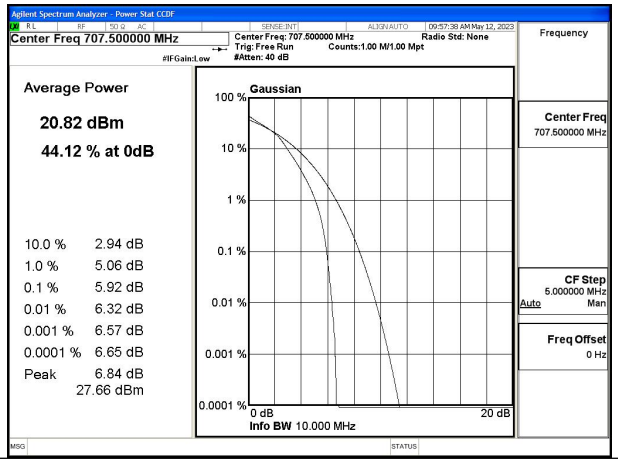


Fig.65

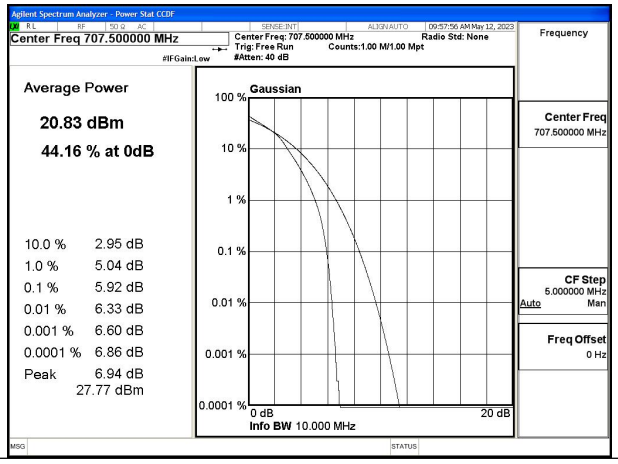


Fig.66

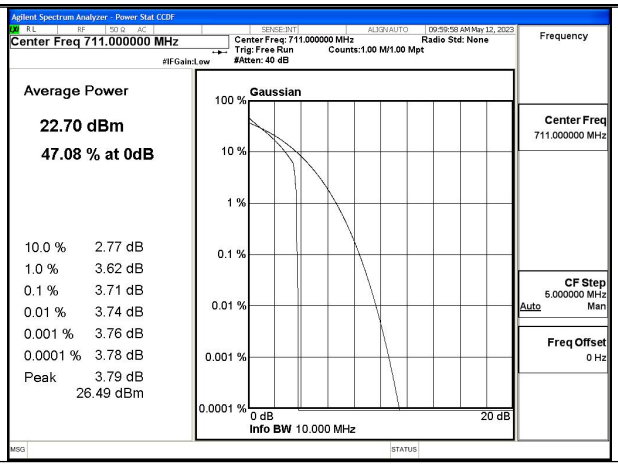


Fig.67

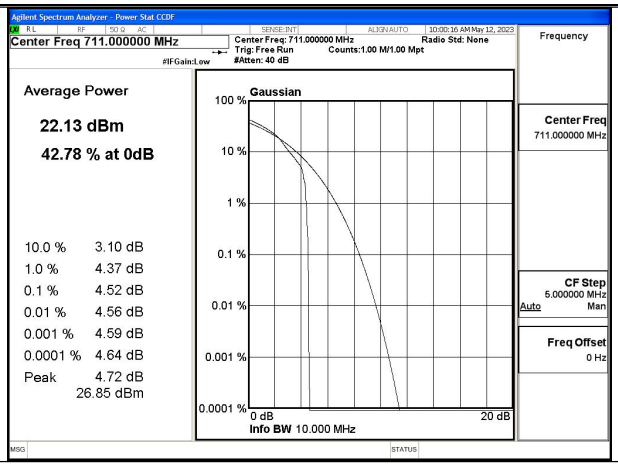


Fig.68

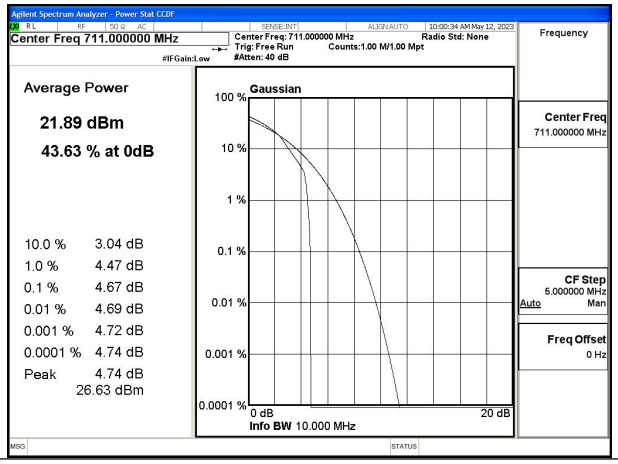


Fig.69

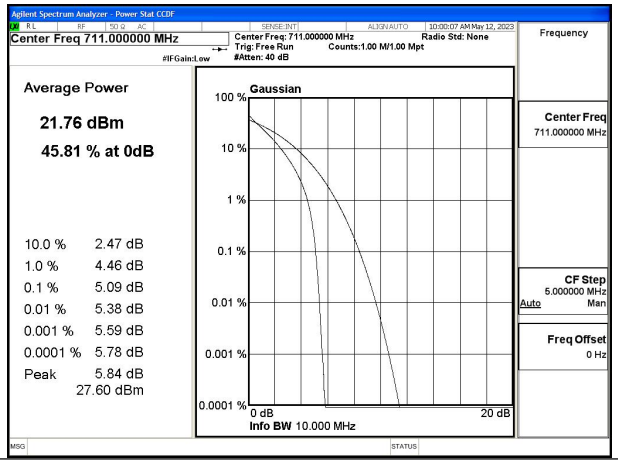


Fig.70

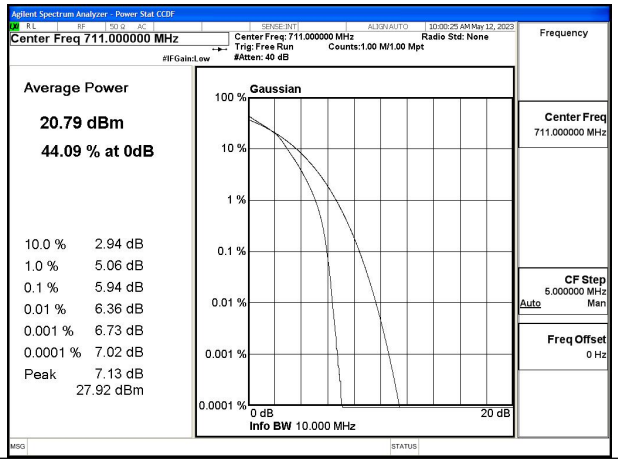


Fig.71

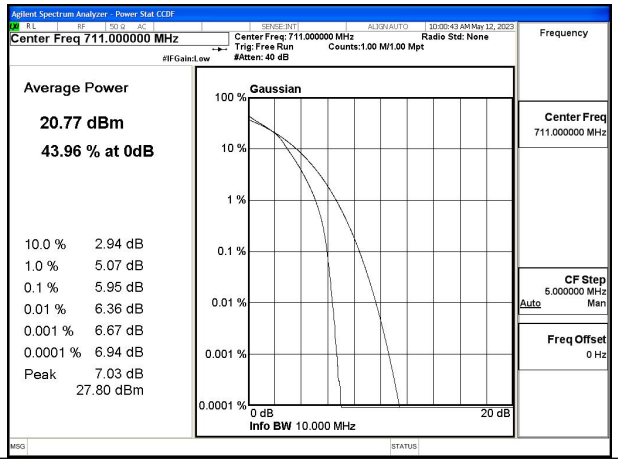


Fig.72

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

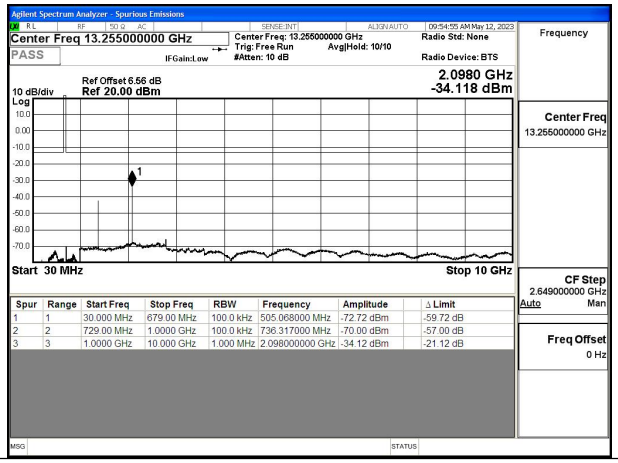


Fig.1

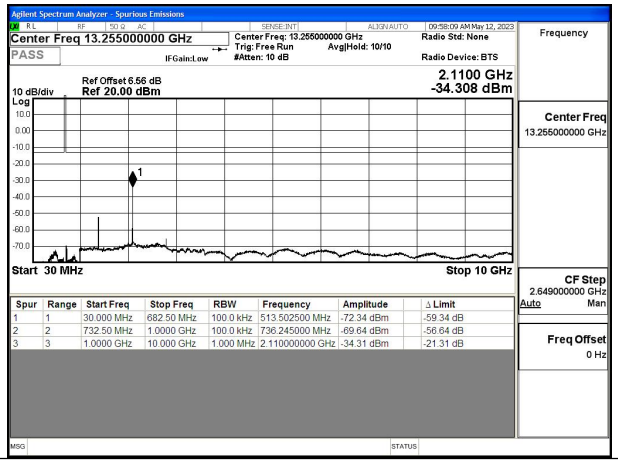


Fig.2

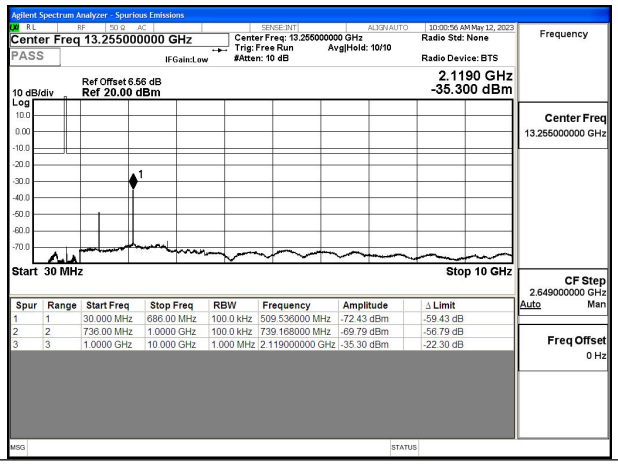


Fig.3

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

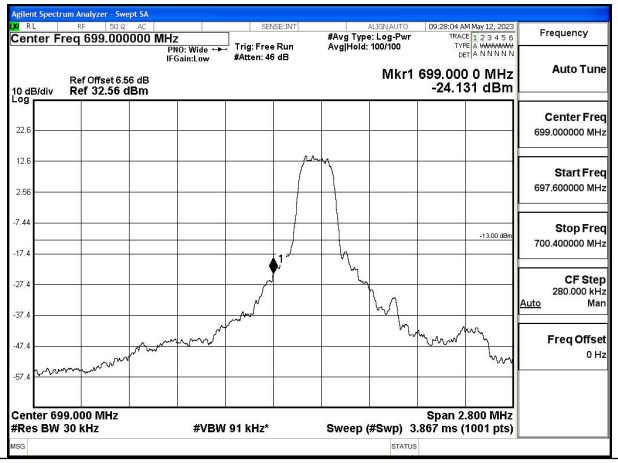


Fig.1

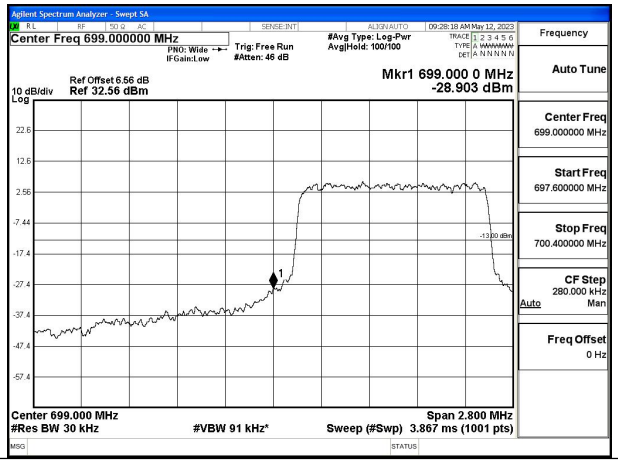


Fig.2

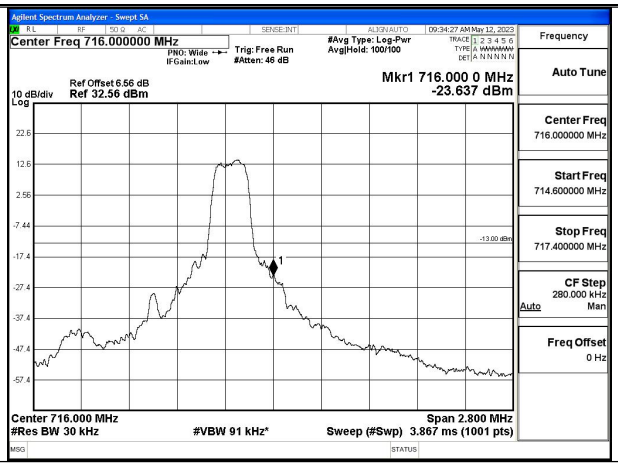


Fig.3

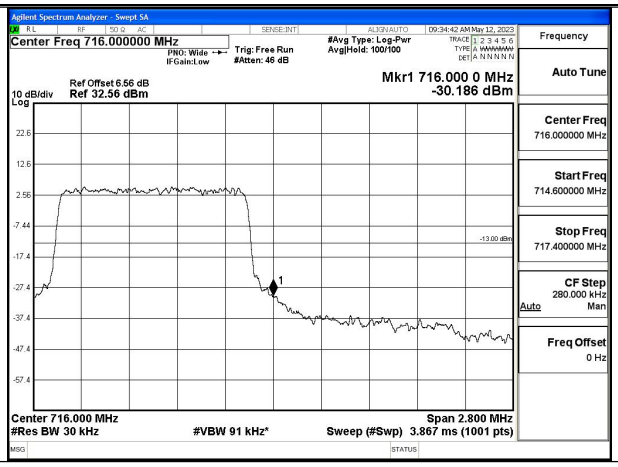


Fig.4

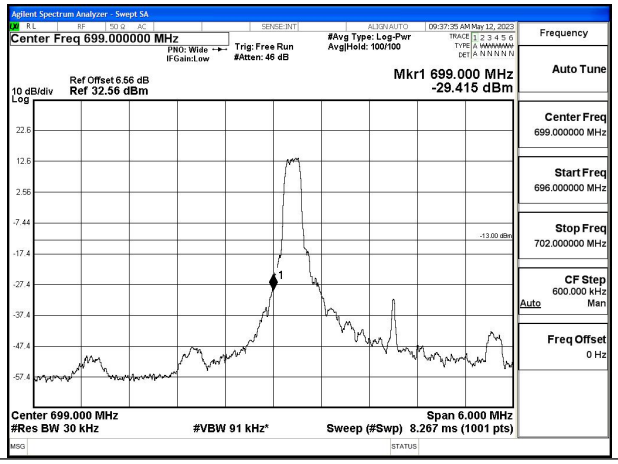


Fig.5

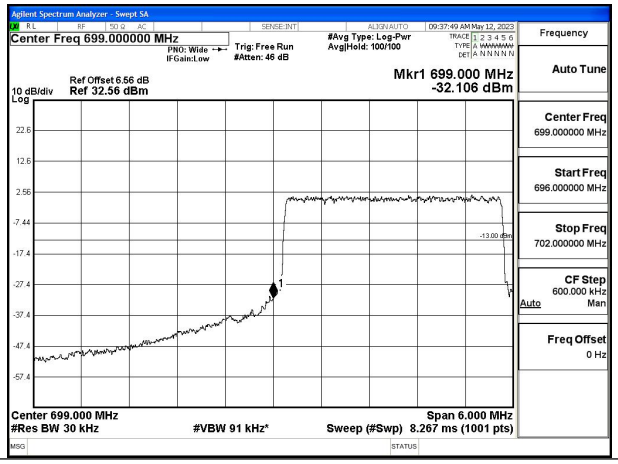


Fig.6

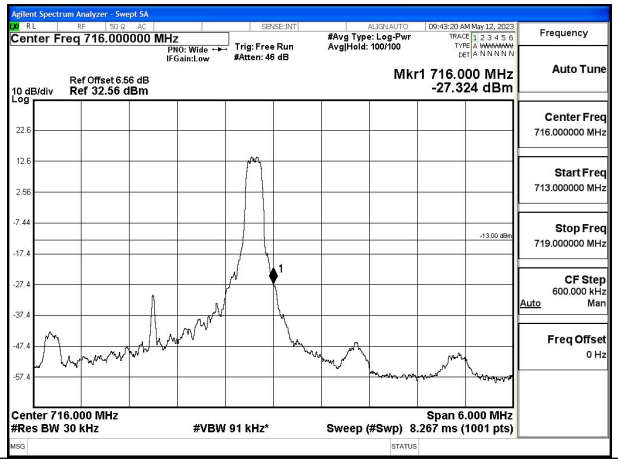


Fig.7

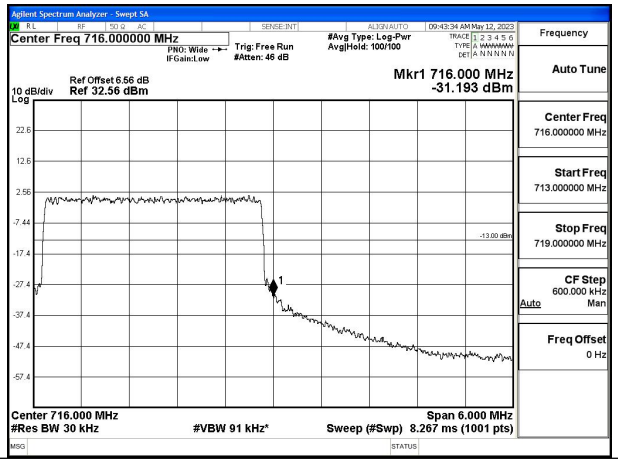


Fig.8

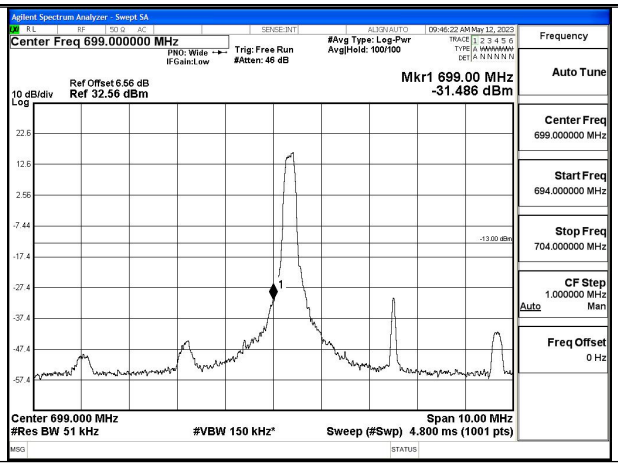


Fig.9

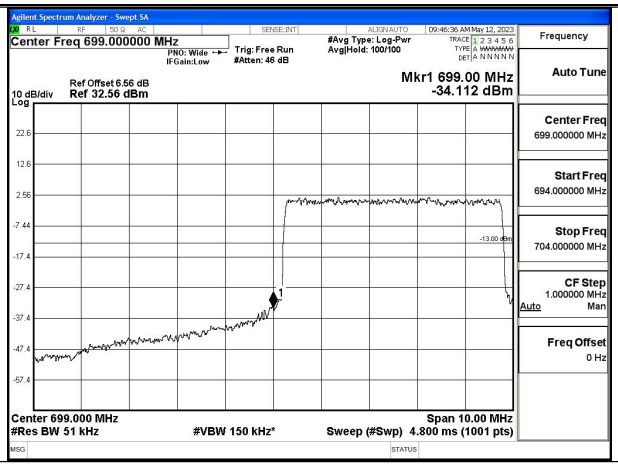


Fig.10

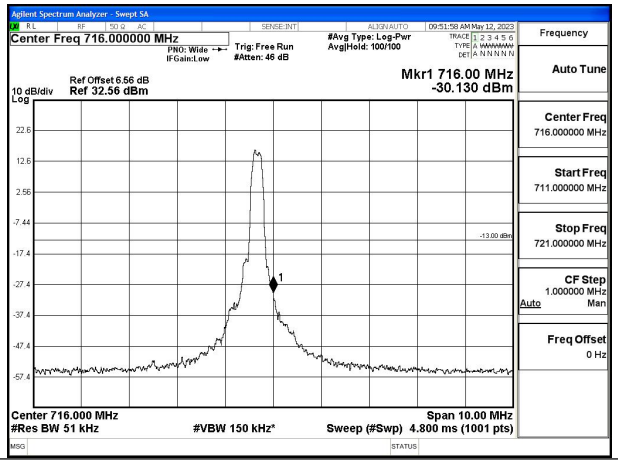


Fig.11

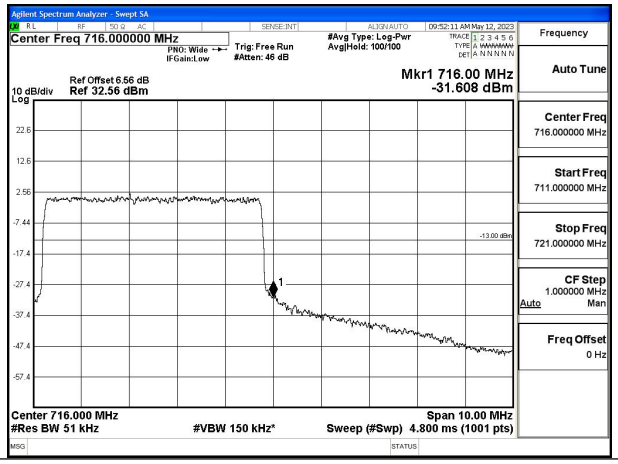


Fig.12

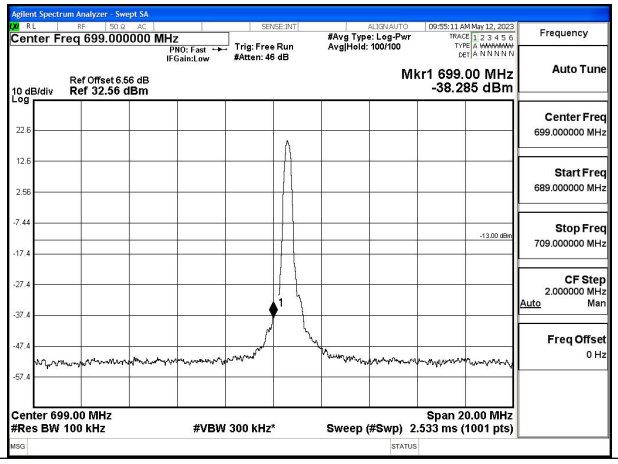


Fig.13

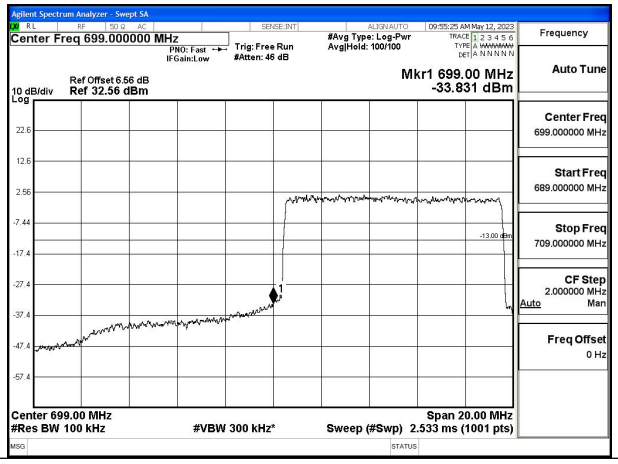
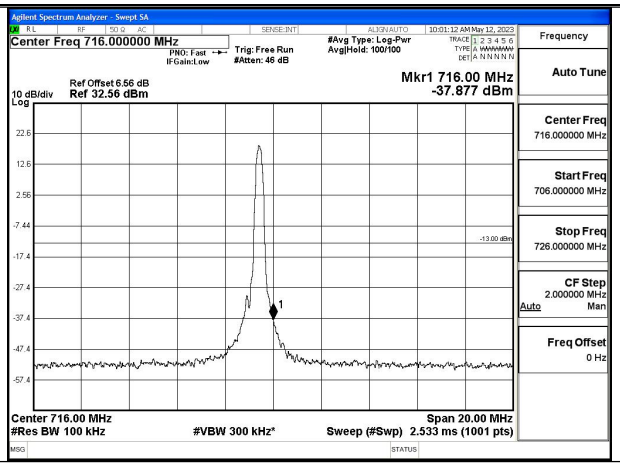


Fig.14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Center Freq 716.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 46 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
Mkr1 716.00 MHz
-37.877 dBm
Ref Offset 6.56 dB
10 dB/div
Ref 32.56 dBm
Log
22.6
12.6
2.56
-7.44
-17.4
-27.4
-37.4
-47.4
-57.4
-13.00 dBm
Center 716.00 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 20.00 MHz
Sweep (#Swp) 2.533 ms (1001 pts)
Frequency
Auto Tune
Center Freq
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Start Freq
706.000000 MHz
Stop Freq
726.000000 MHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Fig.15

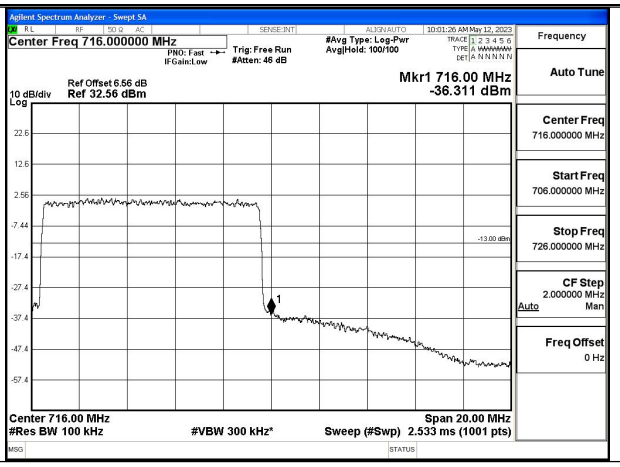
Agilent Spectrum Analyzer - Swept SA
Center Freq 716.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 46 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
Mkr1 716.00 MHz
-36.311 dBm
Ref Offset 6.56 dB
10 dB/div
Ref 32.56 dBm
Log
22.6
12.6
2.56
-7.44
-17.4
-27.4
-37.4
-47.4
-57.4
-13.00 dBm
Center 716.00 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 20.00 MHz
Sweep (#Swp) 2.533 ms (1001 pts)
Frequency
Auto Tune
Center Freq
716.000000 MHz
Start Freq
706.000000 MHz
Stop Freq
726.000000 MHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.007	0.012	0.004	-0.006
0	NV	0.008	0.006	0.002	0.005
+10	NV	-0.013	0.003	0.002	-0.005
+20	NV	0.022	0.002	-0.001	0.005
+30	NV	0.007	0.010	0.004	-0.003
+40	NV	-0.014	-0.006	-0.002	-0.005
+50	NV	0.004	-0.003	0.004	-0.006
+55	NV	0.020	-0.004	0.003	0.007
+20	LV	0.020	0.005	-0.002	0.007
+20	HV	-0.021	0.006	0.001	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.014	0.012	-0.006	-0.007
0	NV	-0.021	0.009	0.006	-0.009
+10	NV	-0.005	0.006	0.006	-0.005
+20	NV	-0.034	-0.003	0.007	0.005
+30	NV	-0.038	-0.001	-0.004	-0.005
+40	NV	-0.015	-0.002	0.007	0.004
+50	NV	0.020	0.009	0.005	0.005
+55	NV	-0.023	0.013	0.010	-0.005
+20	LV	-0.033	0.003	0.007	-0.005
+20	HV	0.008	0.002	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	22.87	12.62	0.018
QPSK	699.7	23017	1.4	1	3	23.02	12.77	0.019
QPSK	699.7	23017	1.4	1	5	22.96	12.71	0.019
QPSK	699.7	23017	1.4	3	0	22.85	12.60	0.018
QPSK	699.7	23017	1.4	3	1	23.06	12.81	0.019
QPSK	699.7	23017	1.4	3	3	23.02	12.77	0.019
QPSK	699.7	23017	1.4	6	0	22.09	11.84	0.015
QPSK	707.5	23095	1.4	1	0	23.09	12.84	0.019
QPSK	707.5	23095	1.4	1	3	23.24	12.99	0.020
QPSK	707.5	23095	1.4	1	5	23.03	12.78	0.019
QPSK	707.5	23095	1.4	3	0	23.14	12.89	0.019
QPSK	707.5	23095	1.4	3	1	23.05	12.80	0.019
QPSK	707.5	23095	1.4	3	3	23.05	12.80	0.019
QPSK	707.5	23095	1.4	6	0	22.03	11.78	0.015
QPSK	715.3	23173	1.4	1	0	22.88	12.63	0.018
QPSK	715.3	23173	1.4	1	3	23.11	12.86	0.019
QPSK	715.3	23173	1.4	1	5	22.87	12.62	0.018
QPSK	715.3	23173	1.4	3	0	22.98	12.73	0.019
QPSK	715.3	23173	1.4	3	1	22.93	12.68	0.019
QPSK	715.3	23173	1.4	3	3	23.04	12.79	0.019
QPSK	715.3	23173	1.4	6	0	22.08	11.83	0.015

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	22.10	11.85	0.015
16QAM	699.7	23017	1.4	1	3	22.41	12.16	0.016
16QAM	699.7	23017	1.4	1	5	22.84	12.59	0.018
16QAM	699.7	23017	1.4	3	0	22.05	11.80	0.015
16QAM	699.7	23017	1.4	3	1	22.23	11.98	0.016
16QAM	699.7	23017	1.4	3	3	21.86	11.61	0.014
16QAM	699.7	23017	1.4	6	0	21.20	10.95	0.012
16QAM	707.5	23095	1.4	1	0	22.56	12.31	0.017
16QAM	707.5	23095	1.4	1	3	22.27	12.02	0.016
16QAM	707.5	23095	1.4	1	5	22.34	12.09	0.016
16QAM	707.5	23095	1.4	3	0	22.23	11.98	0.016
16QAM	707.5	23095	1.4	3	1	22.41	12.16	0.016
16QAM	707.5	23095	1.4	3	3	22.20	11.95	0.016
16QAM	707.5	23095	1.4	6	0	21.00	10.75	0.012
16QAM	715.3	23173	1.4	1	0	22.29	12.04	0.016
16QAM	715.3	23173	1.4	1	3	22.44	12.19	0.017
16QAM	715.3	23173	1.4	1	5	22.28	12.03	0.016
16QAM	715.3	23173	1.4	3	0	22.02	11.77	0.015
16QAM	715.3	23173	1.4	3	1	22.07	11.82	0.015
16QAM	715.3	23173	1.4	3	3	22.44	12.19	0.017
16QAM	715.3	23173	1.4	6	0	21.10	10.85	0.012
64QAM	699.7	23017	1.4	1	0	22.21	11.96	0.016
64QAM	699.7	23017	1.4	1	3	22.10	11.85	0.015
64QAM	699.7	23017	1.4	1	5	22.35	12.10	0.016
64QAM	699.7	23017	1.4	3	0	22.04	11.79	0.015
64QAM	699.7	23017	1.4	3	1	22.27	12.02	0.016
64QAM	699.7	23017	1.4	3	3	22.10	11.85	0.015
64QAM	699.7	23017	1.4	6	0	21.07	10.82	0.012
64QAM	707.5	23095	1.4	1	0	22.05	11.80	0.015
64QAM	707.5	23095	1.4	1	3	22.24	11.99	0.016
64QAM	707.5	23095	1.4	1	5	21.72	11.47	0.014
64QAM	707.5	23095	1.4	3	0	22.05	11.80	0.015
64QAM	707.5	23095	1.4	3	1	22.37	12.12	0.016
64QAM	707.5	23095	1.4	3	3	22.07	11.82	0.015
64QAM	707.5	23095	1.4	6	0	21.06	10.81	0.012
64QAM	715.3	23173	1.4	1	0	22.28	12.03	0.016
64QAM	715.3	23173	1.4	1	3	22.05	11.80	0.015
64QAM	715.3	23173	1.4	1	5	22.34	12.09	0.016
64QAM	715.3	23173	1.4	3	0	22.10	11.85	0.015
64QAM	715.3	23173	1.4	3	1	21.97	11.72	0.015
64QAM	715.3	23173	1.4	3	3	21.89	11.64	0.015
64QAM	715.3	23173	1.4	6	0	20.93	10.68	0.012

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	22.87	12.62	0.018
QPSK	700.5	23025	3	1	8	23.00	12.75	0.019
QPSK	700.5	23025	3	1	14	23.08	12.83	0.019
QPSK	700.5	23025	3	8	0	22.05	11.80	0.015
QPSK	700.5	23025	3	8	4	22.10	11.85	0.015
QPSK	700.5	23025	3	8	7	22.08	11.83	0.015
QPSK	700.5	23025	3	15	0	22.06	11.81	0.015
QPSK	707.5	23095	3	1	0	22.81	12.56	0.018
QPSK	707.5	23095	3	1	8	23.03	12.78	0.019
QPSK	707.5	23095	3	1	14	22.91	12.66	0.018
QPSK	707.5	23095	3	8	0	21.95	11.70	0.015
QPSK	707.5	23095	3	8	4	22.06	11.81	0.015
QPSK	707.5	23095	3	8	7	22.05	11.80	0.015
QPSK	707.5	23095	3	15	0	21.97	11.72	0.015
QPSK	714.5	23165	3	1	0	23.07	12.82	0.019
QPSK	714.5	23165	3	1	8	23.02	12.77	0.019
QPSK	714.5	23165	3	1	14	22.84	12.59	0.018
QPSK	714.5	23165	3	8	0	21.88	11.63	0.015
QPSK	714.5	23165	3	8	4	21.98	11.73	0.015
QPSK	714.5	23165	3	8	7	21.94	11.69	0.015
QPSK	714.5	23165	3	15	0	21.99	11.74	0.015

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	21.98	11.73	0.015
16QAM	700.5	23025	3	1	8	22.31	12.06	0.016
16QAM	700.5	23025	3	1	14	22.37	12.12	0.016
16QAM	700.5	23025	3	8	0	21.12	10.87	0.012
16QAM	700.5	23025	3	8	4	21.08	10.83	0.012
16QAM	700.5	23025	3	8	7	21.23	10.98	0.013
16QAM	700.5	23025	3	15	0	21.18	10.93	0.012
16QAM	707.5	23095	3	1	0	22.37	12.12	0.016
16QAM	707.5	23095	3	1	8	22.71	12.46	0.018
16QAM	707.5	23095	3	1	14	22.32	12.07	0.016
16QAM	707.5	23095	3	8	0	21.16	10.91	0.012
16QAM	707.5	23095	3	8	4	21.31	11.06	0.013
16QAM	707.5	23095	3	8	7	21.13	10.88	0.012
16QAM	707.5	23095	3	15	0	21.08	10.83	0.012
16QAM	714.5	23165	3	1	0	21.87	11.62	0.015
16QAM	714.5	23165	3	1	8	22.28	12.03	0.016
16QAM	714.5	23165	3	1	14	22.15	11.90	0.015
16QAM	714.5	23165	3	8	0	21.00	10.75	0.012
16QAM	714.5	23165	3	8	4	21.11	10.86	0.012
16QAM	714.5	23165	3	8	7	21.15	10.90	0.012
16QAM	714.5	23165	3	15	0	20.98	10.73	0.012
64QAM	700.5	23025	3	1	0	22.50	12.25	0.017
64QAM	700.5	23025	3	1	8	21.96	11.71	0.015
64QAM	700.5	23025	3	1	14	22.09	11.84	0.015
64QAM	700.5	23025	3	8	0	21.15	10.90	0.012
64QAM	700.5	23025	3	8	4	21.00	10.75	0.012
64QAM	700.5	23025	3	8	7	20.93	10.68	0.012
64QAM	700.5	23025	3	15	0	21.02	10.77	0.012
64QAM	707.5	23095	3	1	0	21.89	11.64	0.015
64QAM	707.5	23095	3	1	8	22.23	11.98	0.016
64QAM	707.5	23095	3	1	14	22.19	11.94	0.016
64QAM	707.5	23095	3	8	0	21.10	10.85	0.012
64QAM	707.5	23095	3	8	4	21.19	10.94	0.012
64QAM	707.5	23095	3	8	7	21.17	10.92	0.012
64QAM	707.5	23095	3	15	0	21.06	10.81	0.012
64QAM	714.5	23165	3	1	0	21.94	11.69	0.015
64QAM	714.5	23165	3	1	8	22.48	12.23	0.017
64QAM	714.5	23165	3	1	14	22.16	11.91	0.016
64QAM	714.5	23165	3	8	0	20.85	10.60	0.011
64QAM	714.5	23165	3	8	4	20.99	10.74	0.012
64QAM	714.5	23165	3	8	7	20.99	10.74	0.012
64QAM	714.5	23165	3	15	0	20.85	10.60	0.011

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	23.34	13.09	0.020
QPSK	701.5	23035	5	1	12	22.86	12.61	0.018
QPSK	701.5	23035	5	1	24	22.95	12.70	0.019
QPSK	701.5	23035	5	12	0	22.06	11.81	0.015
QPSK	701.5	23035	5	12	7	22.15	11.90	0.015
QPSK	701.5	23035	5	12	13	22.11	11.86	0.015
QPSK	701.5	23035	5	25	0	22.02	11.77	0.015
QPSK	707.5	23095	5	1	0	23.06	12.81	0.019
QPSK	707.5	23095	5	1	12	23.11	12.86	0.019
QPSK	707.5	23095	5	1	24	22.92	12.67	0.018
QPSK	707.5	23095	5	12	0	22.04	11.79	0.015
QPSK	707.5	23095	5	12	7	21.98	11.73	0.015
QPSK	707.5	23095	5	12	13	22.03	11.78	0.015
QPSK	707.5	23095	5	25	0	22.02	11.77	0.015
QPSK	713.5	23155	5	1	0	23.02	12.77	0.019
QPSK	713.5	23155	5	1	12	23.02	12.77	0.019
QPSK	713.5	23155	5	1	24	22.86	12.61	0.018
QPSK	713.5	23155	5	12	0	21.97	11.72	0.015
QPSK	713.5	23155	5	12	7	22.04	11.79	0.015
QPSK	713.5	23155	5	12	13	21.94	11.69	0.015
QPSK	713.5	23155	5	25	0	21.85	11.60	0.014

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	22.21	11.96	0.016
16QAM	701.5	23035	5	1	12	22.28	12.03	0.016
16QAM	701.5	23035	5	1	24	22.28	12.03	0.016
16QAM	701.5	23035	5	12	0	20.99	10.74	0.012
16QAM	701.5	23035	5	12	7	20.97	10.72	0.012
16QAM	701.5	23035	5	12	13	21.06	10.81	0.012
16QAM	701.5	23035	5	25	0	21.03	10.78	0.012
16QAM	707.5	23095	5	1	0	22.03	11.78	0.015
16QAM	707.5	23095	5	1	12	22.58	12.33	0.017
16QAM	707.5	23095	5	1	24	22.08	11.83	0.015
16QAM	707.5	23095	5	12	0	20.96	10.71	0.012
16QAM	707.5	23095	5	12	7	21.09	10.84	0.012
16QAM	707.5	23095	5	12	13	21.11	10.86	0.012
16QAM	707.5	23095	5	25	0	21.01	10.76	0.012
16QAM	713.5	23155	5	1	0	22.09	11.84	0.015
16QAM	713.5	23155	5	1	12	22.28	12.03	0.016
16QAM	713.5	23155	5	1	24	22.19	11.94	0.016
16QAM	713.5	23155	5	12	0	20.93	10.68	0.012
16QAM	713.5	23155	5	12	7	21.16	10.91	0.012
16QAM	713.5	23155	5	12	13	20.99	10.74	0.012
16QAM	713.5	23155	5	25	0	20.98	10.73	0.012
64QAM	701.5	23035	5	1	0	22.05	11.80	0.015
64QAM	701.5	23035	5	1	12	21.81	11.56	0.014
64QAM	701.5	23035	5	1	24	21.95	11.70	0.015
64QAM	701.5	23035	5	12	0	21.01	10.76	0.012
64QAM	701.5	23035	5	12	7	21.14	10.89	0.012
64QAM	701.5	23035	5	12	13	21.01	10.76	0.012
64QAM	701.5	23035	5	25	0	21.13	10.88	0.012
64QAM	707.5	23095	5	1	0	22.15	11.90	0.015
64QAM	707.5	23095	5	1	12	22.21	11.96	0.016
64QAM	707.5	23095	5	1	24	22.00	11.75	0.015
64QAM	707.5	23095	5	12	0	21.07	10.82	0.012
64QAM	707.5	23095	5	12	7	20.91	10.66	0.012
64QAM	707.5	23095	5	12	13	21.12	10.87	0.012
64QAM	707.5	23095	5	25	0	21.04	10.79	0.012
64QAM	713.5	23155	5	1	0	22.09	11.84	0.015
64QAM	713.5	23155	5	1	12	22.54	12.29	0.017
64QAM	713.5	23155	5	1	24	21.86	11.61	0.014
64QAM	713.5	23155	5	12	0	20.95	10.70	0.012
64QAM	713.5	23155	5	12	7	20.98	10.73	0.012
64QAM	713.5	23155	5	12	13	20.93	10.68	0.012
64QAM	713.5	23155	5	25	0	20.95	10.70	0.012

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	23.24	12.99	0.020
QPSK	704	23060	10	1	25	23.09	12.84	0.019
QPSK	704	23060	10	1	49	22.85	12.60	0.018
QPSK	704	23060	10	25	0	22.04	11.79	0.015
QPSK	704	23060	10	25	12	22.16	11.91	0.016
QPSK	704	23060	10	25	25	22.17	11.92	0.016
QPSK	704	23060	10	50	0	22.10	11.85	0.015
QPSK	707.5	23095	10	1	0	23.00	12.75	0.019
QPSK	707.5	23095	10	1	25	22.96	12.71	0.019
QPSK	707.5	23095	10	1	49	22.85	12.60	0.018
QPSK	707.5	23095	10	25	0	22.07	11.82	0.015
QPSK	707.5	23095	10	25	12	22.03	11.78	0.015
QPSK	707.5	23095	10	25	25	22.13	11.88	0.015
QPSK	707.5	23095	10	50	0	21.99	11.74	0.015
QPSK	711	23130	10	1	0	23.03	12.78	0.019
QPSK	711	23130	10	1	25	23.01	12.76	0.019
QPSK	711	23130	10	1	49	22.89	12.64	0.018
QPSK	711	23130	10	25	0	22.07	11.82	0.015
QPSK	711	23130	10	25	12	22.02	11.77	0.015
QPSK	711	23130	10	25	25	21.97	11.72	0.015
QPSK	711	23130	10	50	0	21.97	11.72	0.015

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	22.25	12.00	0.016
16QAM	704	23060	10	1	25	22.54	12.29	0.017
16QAM	704	23060	10	1	49	22.50	12.25	0.017
16QAM	704	23060	10	25	0	21.10	10.85	0.012
16QAM	704	23060	10	25	12	21.14	10.89	0.012
16QAM	704	23060	10	25	25	21.06	10.81	0.012
16QAM	704	23060	10	50	0	21.11	10.86	0.012
16QAM	707.5	23095	10	1	0	22.00	11.75	0.015
16QAM	707.5	23095	10	1	25	22.18	11.93	0.016
16QAM	707.5	23095	10	1	49	22.11	11.86	0.015
16QAM	707.5	23095	10	25	0	21.11	10.86	0.012
16QAM	707.5	23095	10	25	12	21.00	10.75	0.012
16QAM	707.5	23095	10	25	25	21.05	10.80	0.012
16QAM	707.5	23095	10	50	0	21.01	10.76	0.012
16QAM	711	23130	10	1	0	22.43	12.18	0.017
16QAM	711	23130	10	1	25	22.14	11.89	0.015
16QAM	711	23130	10	1	49	21.99	11.74	0.015
16QAM	711	23130	10	25	0	21.05	10.80	0.012
16QAM	711	23130	10	25	12	20.92	10.67	0.012
16QAM	711	23130	10	25	25	20.99	10.74	0.012
16QAM	711	23130	10	50	0	20.91	10.66	0.012
64QAM	704	23060	10	1	0	21.96	11.71	0.015
64QAM	704	23060	10	1	25	22.25	12.00	0.016
64QAM	704	23060	10	1	49	21.94	11.69	0.015
64QAM	704	23060	10	25	0	20.99	10.74	0.012
64QAM	704	23060	10	25	12	21.13	10.88	0.012
64QAM	704	23060	10	25	25	21.14	10.89	0.012
64QAM	704	23060	10	50	0	21.07	10.82	0.012
64QAM	707.5	23095	10	1	0	22.34	12.09	0.016
64QAM	707.5	23095	10	1	25	22.11	11.86	0.015
64QAM	707.5	23095	10	1	49	22.57	12.32	0.017
64QAM	707.5	23095	10	25	0	21.03	10.78	0.012
64QAM	707.5	23095	10	25	12	20.97	10.72	0.012
64QAM	707.5	23095	10	25	25	21.07	10.82	0.012
64QAM	707.5	23095	10	50	0	21.04	10.79	0.012
64QAM	711	23130	10	1	0	22.23	11.98	0.016
64QAM	711	23130	10	1	25	22.35	12.10	0.016
64QAM	711	23130	10	1	49	21.76	11.51	0.014
64QAM	711	23130	10	25	0	21.10	10.85	0.012
64QAM	711	23130	10	25	12	21.02	10.77	0.012
64QAM	711	23130	10	25	25	20.95	10.70	0.012
64QAM	711	23130	10	50	0	20.97	10.72	0.012