

Fig.61

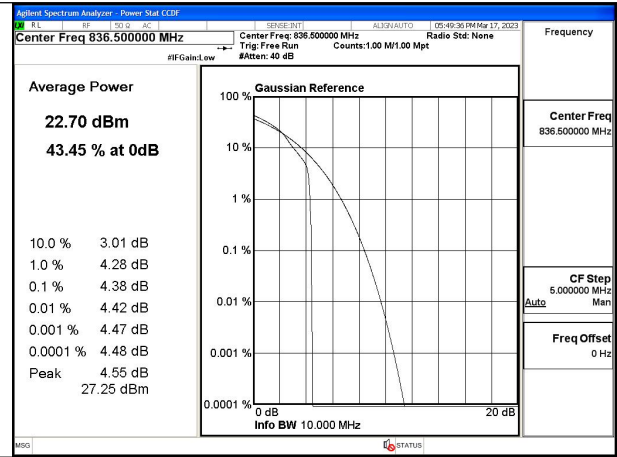


Fig.62

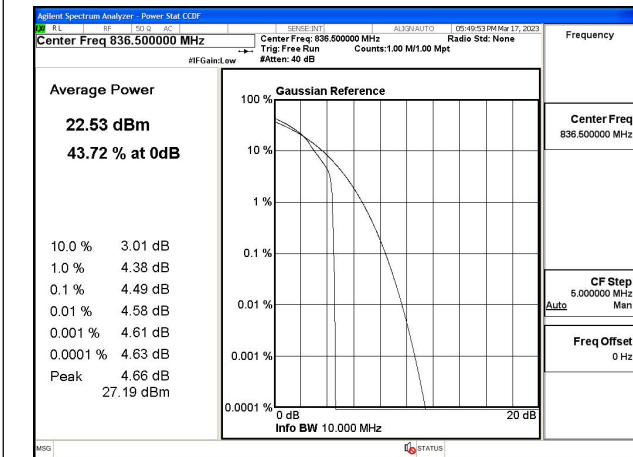


Fig.63

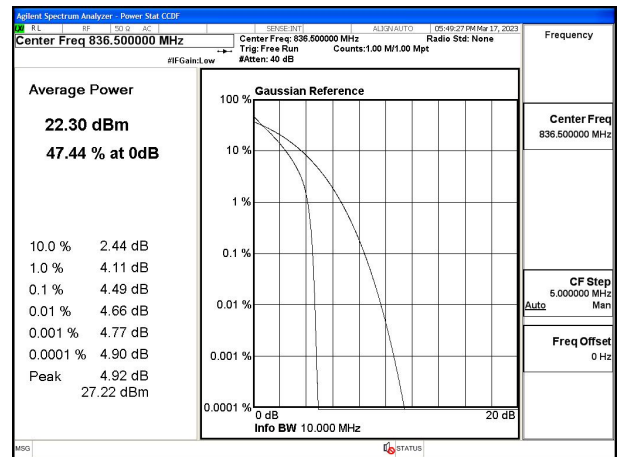


Fig.64

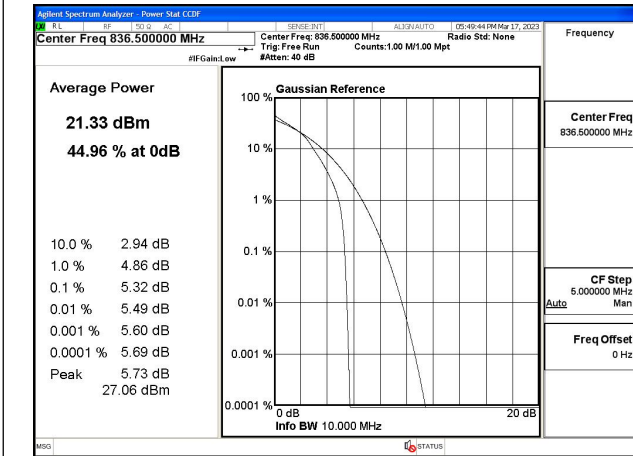


Fig.65

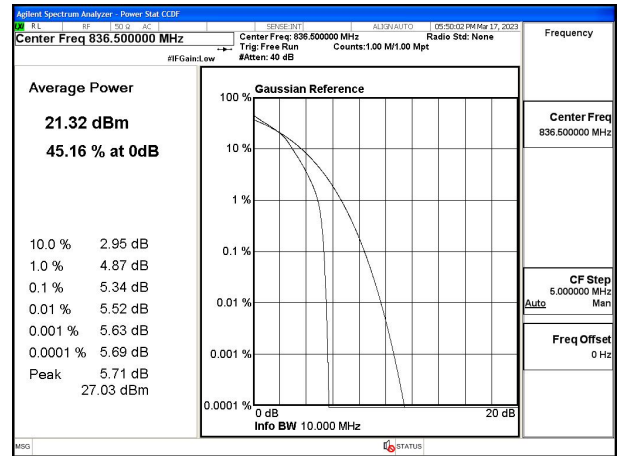


Fig.66

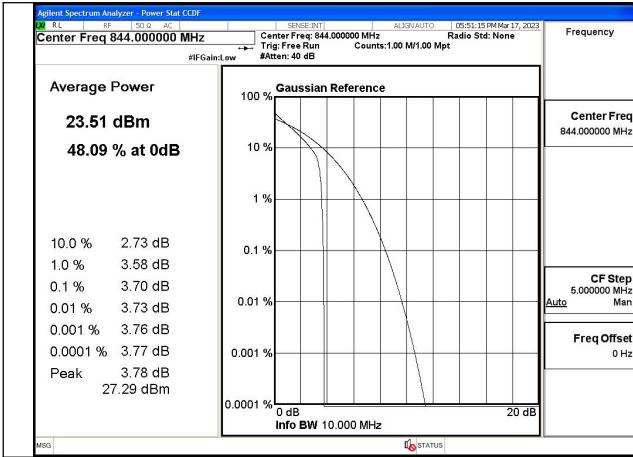


Fig.67

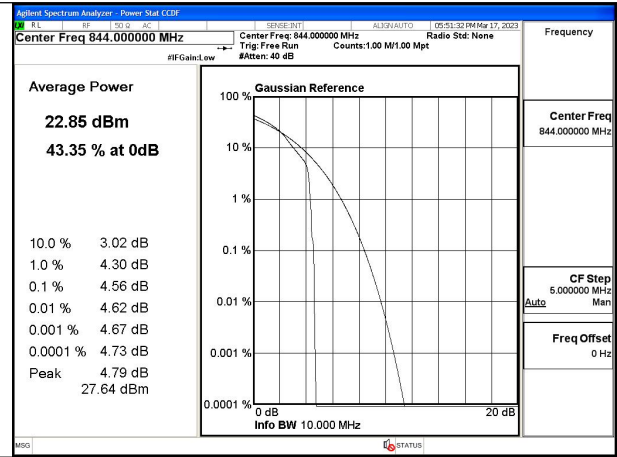


Fig.68

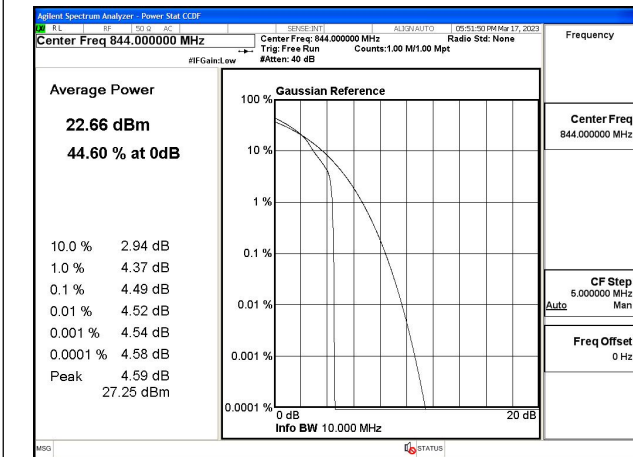


Fig.69

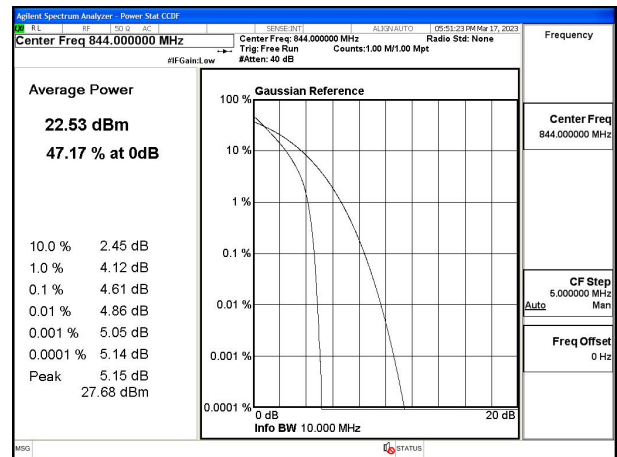


Fig.70

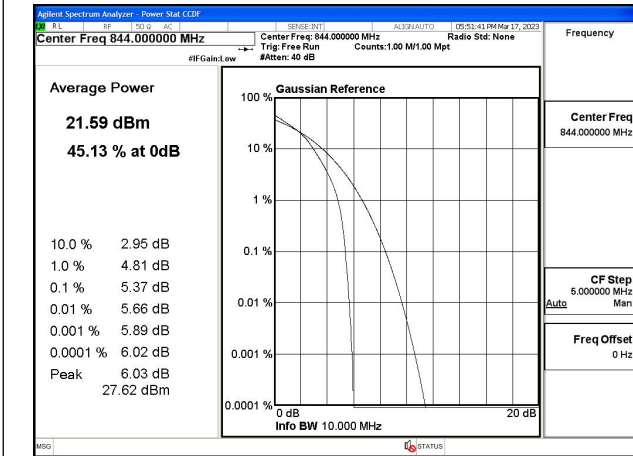


Fig.71

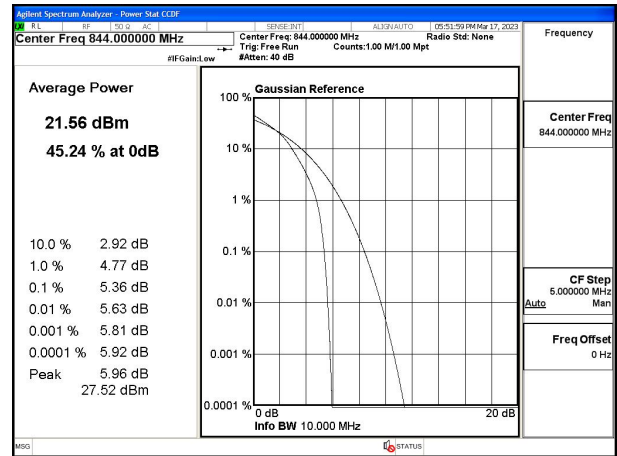


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
5	836.5	20525	10	1	0	Fig.2
5	844	20600	10	1	0	Fig.3

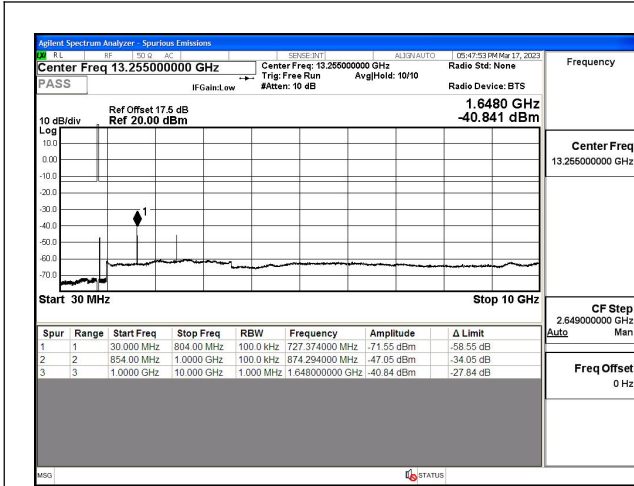


Fig.1

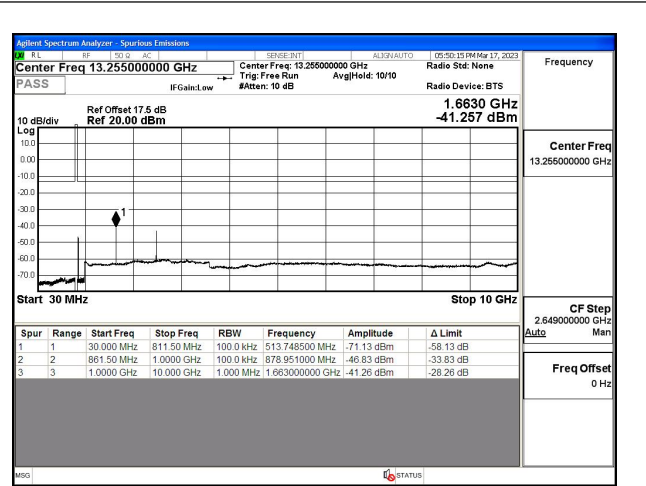


Fig.2

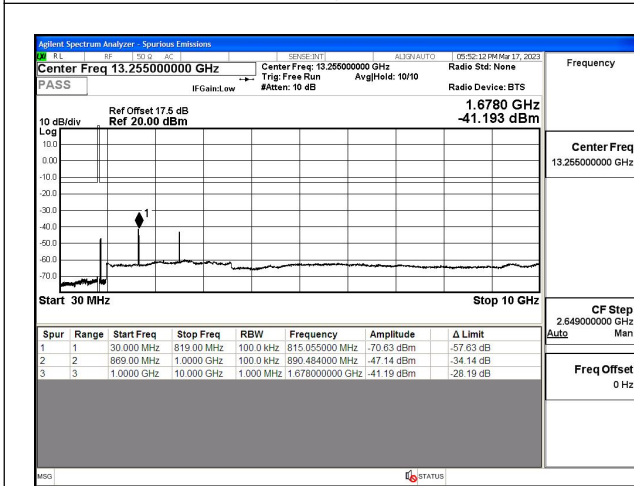


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
5	QPSK	824.7	20407	1.4	1	0	Fig.1
5	QPSK	824.7	20407	1.4	6	0	Fig.2
5	QPSK	848.3	20643	1.4	1	5	Fig.3
5	QPSK	848.3	20643	1.4	6	0	Fig.4
5	QPSK	825.5	20415	3	1	0	Fig.5
5	QPSK	825.5	20415	3	15	0	Fig.6
5	QPSK	847.5	20635	3	1	14	Fig.7
5	QPSK	847.5	20635	3	15	0	Fig.8
5	QPSK	826.5	20425	5	1	0	Fig.9
5	QPSK	826.5	20425	5	25	0	Fig.10
5	QPSK	846.5	20625	5	1	24	Fig.11
5	QPSK	846.5	20625	5	25	0	Fig.12
5	QPSK	829	20450	10	1	0	Fig.13
5	QPSK	829	20450	10	50	0	Fig.14
5	QPSK	844	20600	10	1	49	Fig.15
5	QPSK	844	20600	10	50	0	Fig.16

Test Mode: QPSK

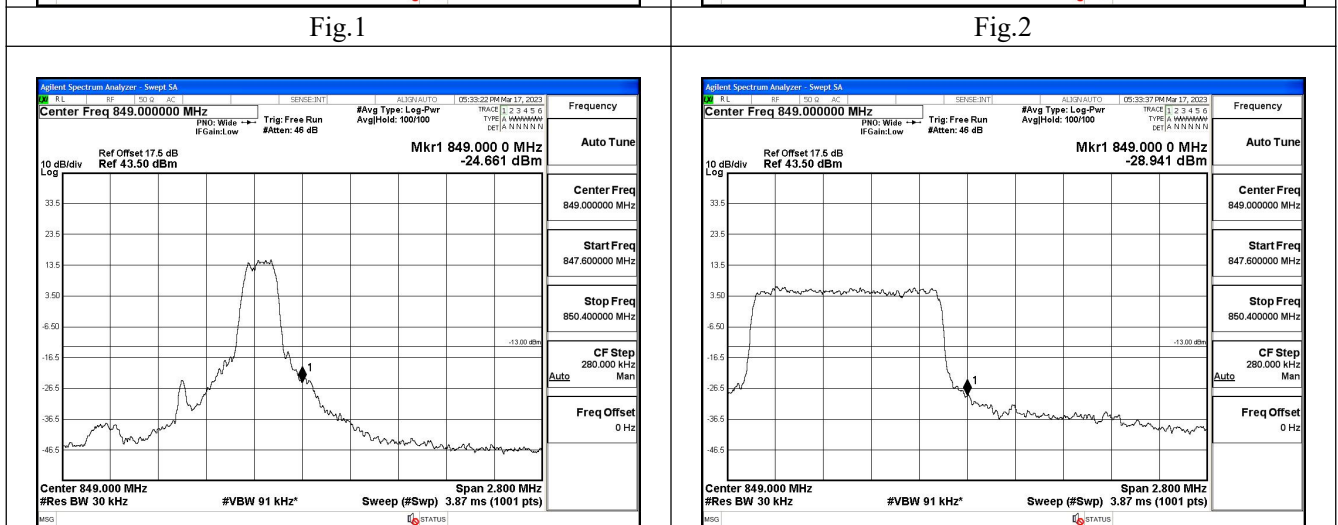
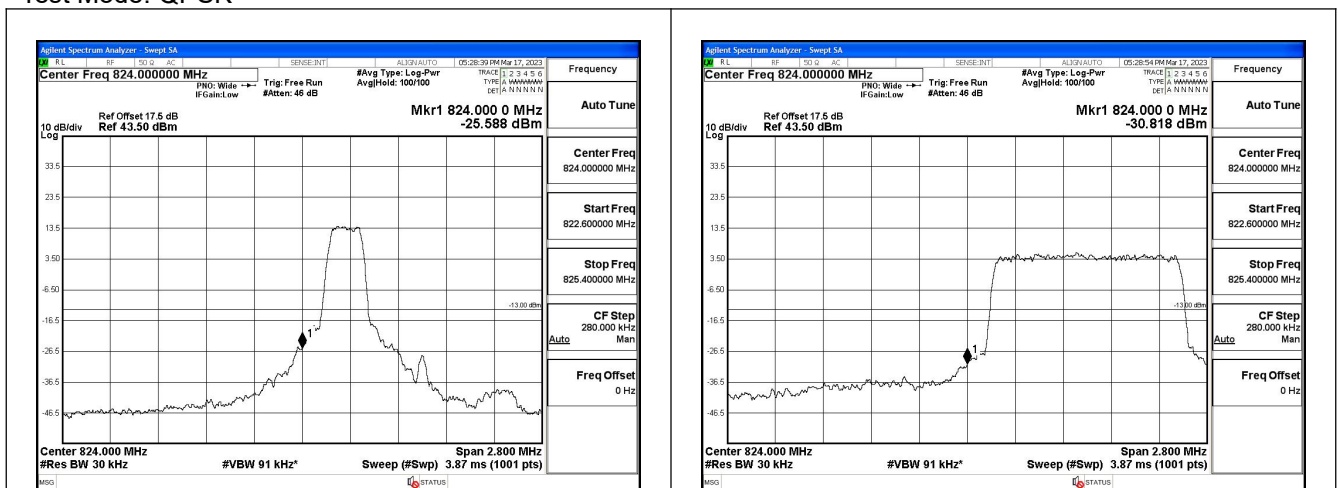


Fig.3

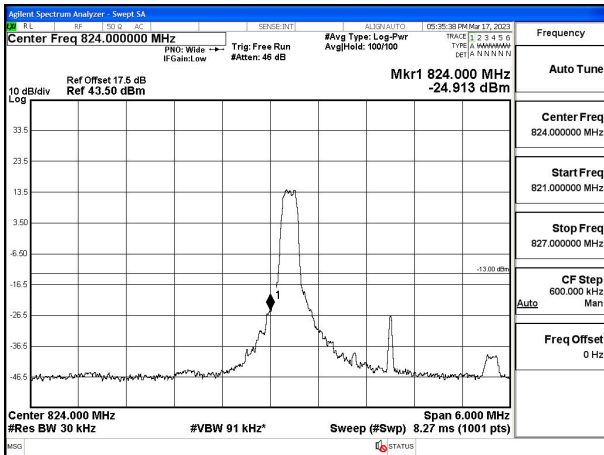


Fig.4

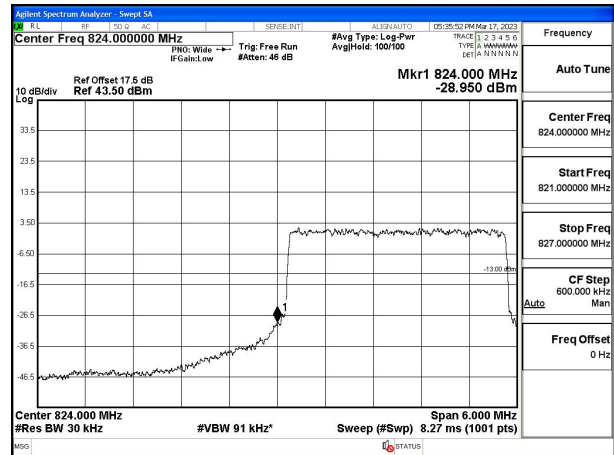


Fig.5

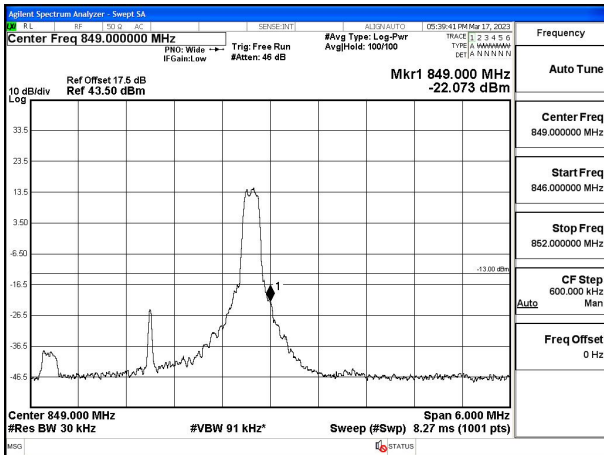


Fig.6

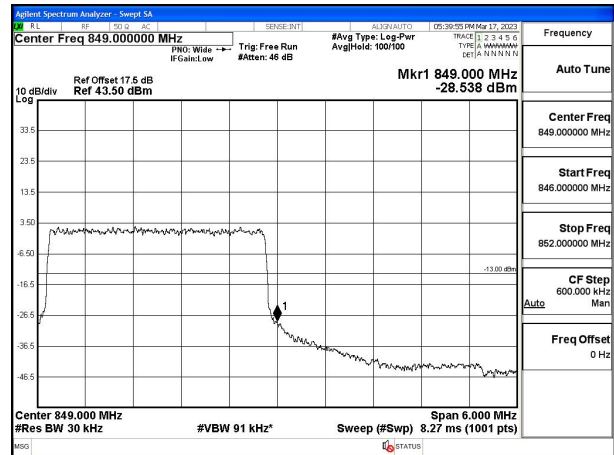


Fig.7

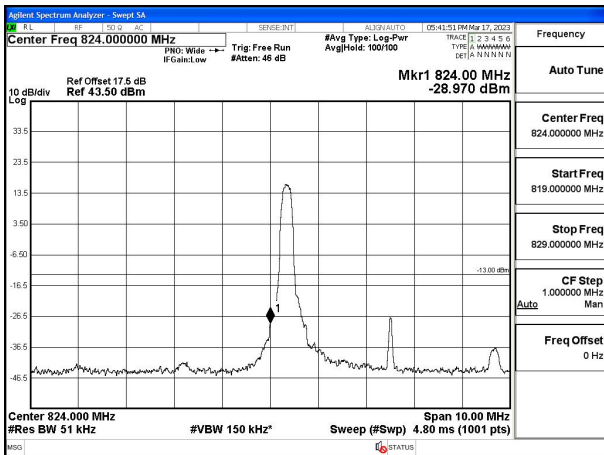


Fig.8

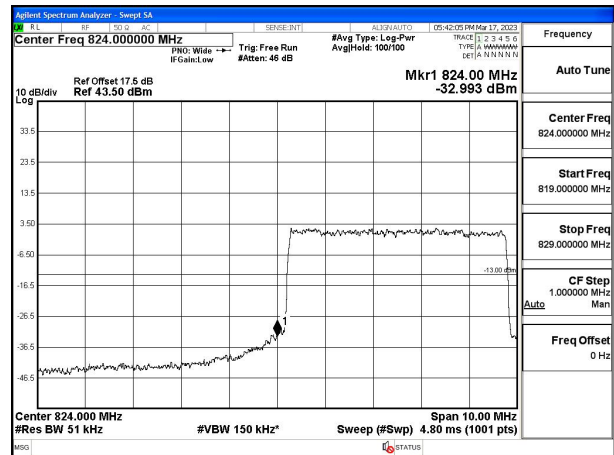


Fig.9

Fig.10

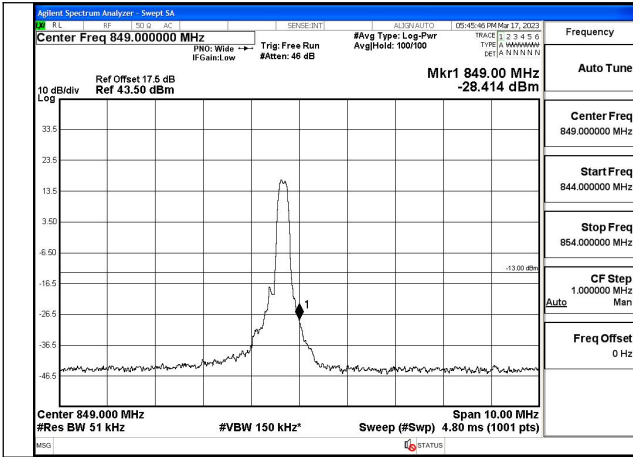


Fig. 11

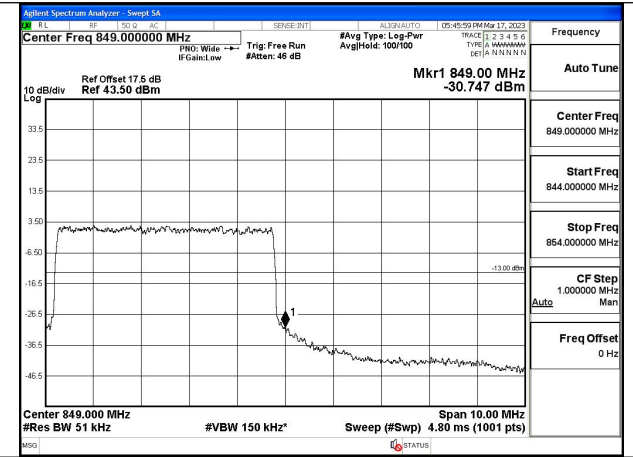


Fig. 12

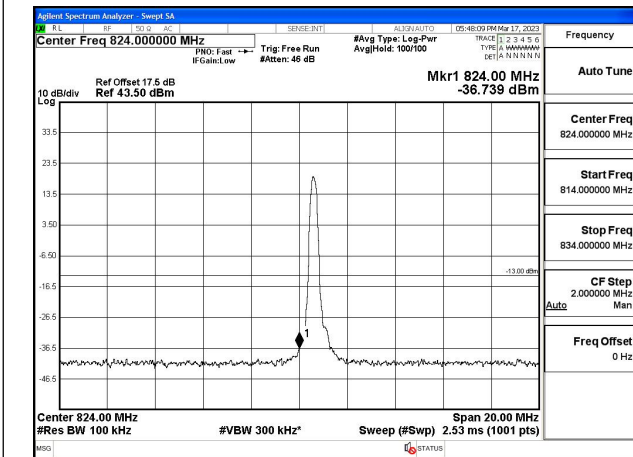


Fig. 13

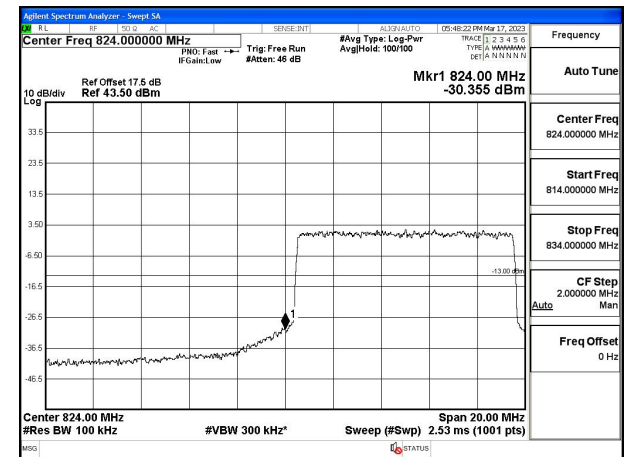


Fig. 14

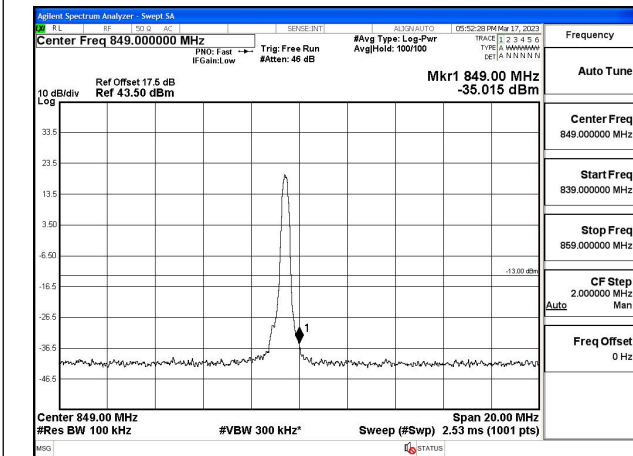


Fig. 15

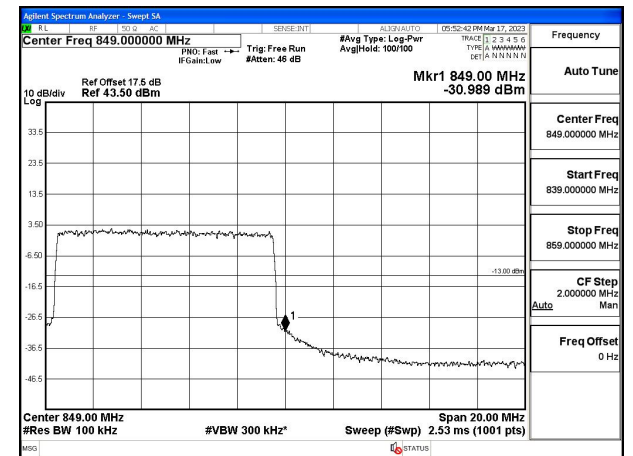


Fig. 16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.011	0.004	0.005	-0.004
0	NV	0.012	0.006	0.004	-0.007
+10	NV	0.010	0.009	0.005	-0.006
+20	NV	0.009	-0.005	0.004	-0.006
+30	NV	0.015	-0.005	0.006	0.007
+40	NV	-0.017	0.001	0.003	-0.005
+50	NV	-0.011	0.003	0.005	-0.001
+55	NV	-0.025	0.007	0.004	-0.006
+20	LV	-0.021	-0.005	0.004	0.006
+20	HV	-0.014	0.006	-0.001	0.003

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.012	0.003	0.006	-0.004
0	NV	0.014	-0.004	-0.011	-0.008
+10	NV	0.011	-0.010	-0.003	0.005
+20	NV	-0.013	-0.005	-0.006	-0.006
+30	NV	0.016	0.012	0.008	-0.007
+40	NV	-0.024	0.003	0.008	0.006
+50	NV	-0.018	0.005	0.004	0.009
+55	NV	-0.016	-0.004	-0.004	0.001
+20	LV	0.008	-0.001	0.009	-0.004
+20	HV	-0.024	-0.003	0.008	0.005

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	824.7	20407	1.4	1	0	23.12	15.87	0.039
QPSK	824.7	20407	1.4	1	3	23.21	15.96	0.039
QPSK	824.7	20407	1.4	1	5	23.18	15.93	0.039
QPSK	824.7	20407	1.4	3	0	22.73	15.48	0.035
QPSK	824.7	20407	1.4	3	1	23.26	16.01	0.040
QPSK	824.7	20407	1.4	3	3	23.22	15.97	0.040
QPSK	824.7	20407	1.4	6	0	22.26	15.01	0.032
QPSK	836.5	20525	1.4	1	0	23.16	15.91	0.039
QPSK	836.5	20525	1.4	1	3	23.24	15.99	0.040
QPSK	836.5	20525	1.4	1	5	23.18	15.93	0.039
QPSK	836.5	20525	1.4	3	0	23.30	16.05	0.040
QPSK	836.5	20525	1.4	3	1	23.38	16.13	0.041
QPSK	836.5	20525	1.4	3	3	23.34	16.09	0.041
QPSK	836.5	20525	1.4	6	0	22.25	15.00	0.032
QPSK	848.3	20643	1.4	1	0	23.28	16.03	0.040
QPSK	848.3	20643	1.4	1	3	23.39	16.14	0.041
QPSK	848.3	20643	1.4	1	5	23.41	16.16	0.041
QPSK	848.3	20643	1.4	3	0	23.32	16.07	0.040
QPSK	848.3	20643	1.4	3	1	23.48	16.23	0.042
QPSK	848.3	20643	1.4	3	3	23.40	16.15	0.041
QPSK	848.3	20643	1.4	6	0	22.41	15.16	0.033

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	824.7	20407	1.4	1	0	22.96	15.71	0.037
16QAM	824.7	20407	1.4	1	3	22.23	14.98	0.031
16QAM	824.7	20407	1.4	1	5	22.43	15.18	0.033
16QAM	824.7	20407	1.4	3	0	22.50	15.25	0.033
16QAM	824.7	20407	1.4	3	1	22.21	14.96	0.031
16QAM	824.7	20407	1.4	3	3	22.28	15.03	0.032
16QAM	824.7	20407	1.4	6	0	21.44	14.19	0.026
16QAM	836.5	20525	1.4	1	0	22.64	15.39	0.035
16QAM	836.5	20525	1.4	1	3	22.72	15.47	0.035
16QAM	836.5	20525	1.4	1	5	22.71	15.46	0.035
16QAM	836.5	20525	1.4	3	0	22.41	15.16	0.033
16QAM	836.5	20525	1.4	3	1	22.42	15.17	0.033
16QAM	836.5	20525	1.4	3	3	22.47	15.22	0.033
16QAM	836.5	20525	1.4	6	0	21.38	14.13	0.026
16QAM	848.3	20643	1.4	1	0	22.69	15.44	0.035
16QAM	848.3	20643	1.4	1	3	22.97	15.72	0.037
16QAM	848.3	20643	1.4	1	5	22.57	15.32	0.034
16QAM	848.3	20643	1.4	3	0	22.13	14.88	0.031
16QAM	848.3	20643	1.4	3	1	22.56	15.31	0.034
16QAM	848.3	20643	1.4	3	3	22.36	15.11	0.032
16QAM	848.3	20643	1.4	6	0	21.53	14.28	0.027
64QAM	824.7	20407	1.4	1	0	22.37	15.12	0.033
64QAM	824.7	20407	1.4	1	3	22.37	15.12	0.033
64QAM	824.7	20407	1.4	1	5	22.43	15.18	0.033
64QAM	824.7	20407	1.4	3	0	22.22	14.97	0.031
64QAM	824.7	20407	1.4	3	1	22.36	15.11	0.032
64QAM	824.7	20407	1.4	3	3	22.42	15.17	0.033
64QAM	824.7	20407	1.4	6	0	21.24	13.99	0.025
64QAM	836.5	20525	1.4	1	0	22.32	15.07	0.032
64QAM	836.5	20525	1.4	1	3	22.14	14.89	0.031
64QAM	836.5	20525	1.4	1	5	22.28	15.03	0.032
64QAM	836.5	20525	1.4	3	0	21.95	14.70	0.030
64QAM	836.5	20525	1.4	3	1	22.47	15.22	0.033
64QAM	836.5	20525	1.4	3	3	22.27	15.02	0.032
64QAM	836.5	20525	1.4	6	0	21.23	13.98	0.025
64QAM	848.3	20643	1.4	1	0	23.09	15.84	0.038
64QAM	848.3	20643	1.4	1	3	22.59	15.34	0.034
64QAM	848.3	20643	1.4	1	5	22.49	15.24	0.033
64QAM	848.3	20643	1.4	3	0	22.54	15.29	0.034
64QAM	848.3	20643	1.4	3	1	22.41	15.16	0.033
64QAM	848.3	20643	1.4	3	3	22.57	15.32	0.034
64QAM	848.3	20643	1.4	6	0	21.47	14.22	0.026

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	23.13	15.88	0.039
QPSK	825.5	20415	3	1	8	23.38	16.13	0.041
QPSK	825.5	20415	3	1	14	23.27	16.02	0.040
QPSK	825.5	20415	3	8	0	22.30	15.05	0.032
QPSK	825.5	20415	3	8	4	22.31	15.06	0.032
QPSK	825.5	20415	3	8	7	22.28	15.03	0.032
QPSK	825.5	20415	3	15	0	22.17	14.92	0.031
QPSK	836.5	20525	3	1	0	23.20	15.95	0.039
QPSK	836.5	20525	3	1	8	23.36	16.11	0.041
QPSK	836.5	20525	3	1	14	23.26	16.01	0.040
QPSK	836.5	20525	3	8	0	22.29	15.04	0.032
QPSK	836.5	20525	3	8	4	22.31	15.06	0.032
QPSK	836.5	20525	3	8	7	22.36	15.11	0.032
QPSK	836.5	20525	3	15	0	22.34	15.09	0.032
QPSK	847.5	20635	3	1	0	23.16	15.91	0.039
QPSK	847.5	20635	3	1	8	23.36	16.11	0.041
QPSK	847.5	20635	3	1	14	23.08	15.83	0.038
QPSK	847.5	20635	3	8	0	22.29	15.04	0.032
QPSK	847.5	20635	3	8	4	22.45	15.20	0.033
QPSK	847.5	20635	3	8	7	22.41	15.16	0.033
QPSK	847.5	20635	3	15	0	22.35	15.10	0.032

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	20415	3	1	0	22.29	15.04	0.032
16QAM	825.5	20415	3	1	8	22.74	15.49	0.035
16QAM	825.5	20415	3	1	14	22.48	15.23	0.033
16QAM	825.5	20415	3	8	0	21.24	13.99	0.025
16QAM	825.5	20415	3	8	4	21.45	14.20	0.026
16QAM	825.5	20415	3	8	7	21.35	14.10	0.026
16QAM	825.5	20415	3	15	0	21.31	14.06	0.025
16QAM	836.5	20525	3	1	0	23.03	15.78	0.038
16QAM	836.5	20525	3	1	8	22.67	15.42	0.035
16QAM	836.5	20525	3	1	14	22.74	15.49	0.035
16QAM	836.5	20525	3	8	0	21.43	14.18	0.026
16QAM	836.5	20525	3	8	4	21.44	14.19	0.026
16QAM	836.5	20525	3	8	7	21.34	14.09	0.026
16QAM	836.5	20525	3	15	0	21.22	13.97	0.025
16QAM	847.5	20635	3	1	0	23.07	15.82	0.038
16QAM	847.5	20635	3	1	8	22.89	15.64	0.037
16QAM	847.5	20635	3	1	14	22.62	15.37	0.034
16QAM	847.5	20635	3	8	0	21.42	14.17	0.026
16QAM	847.5	20635	3	8	4	21.65	14.40	0.028
16QAM	847.5	20635	3	8	7	21.44	14.19	0.026
16QAM	847.5	20635	3	15	0	21.29	14.04	0.025
64QAM	825.5	20415	3	1	0	22.53	15.28	0.034
64QAM	825.5	20415	3	1	8	22.57	15.32	0.034
64QAM	825.5	20415	3	1	14	22.05	14.80	0.030
64QAM	825.5	20415	3	8	0	21.31	14.06	0.025
64QAM	825.5	20415	3	8	4	21.30	14.05	0.025
64QAM	825.5	20415	3	8	7	21.38	14.13	0.026
64QAM	825.5	20415	3	15	0	21.22	13.97	0.025
64QAM	836.5	20525	3	1	0	22.40	15.15	0.033
64QAM	836.5	20525	3	1	8	22.70	15.45	0.035
64QAM	836.5	20525	3	1	14	22.73	15.48	0.035
64QAM	836.5	20525	3	8	0	21.29	14.04	0.025
64QAM	836.5	20525	3	8	4	21.29	14.04	0.025
64QAM	836.5	20525	3	8	7	21.24	13.99	0.025
64QAM	836.5	20525	3	15	0	21.21	13.96	0.025
64QAM	847.5	20635	3	1	0	21.98	14.73	0.030
64QAM	847.5	20635	3	1	8	22.32	15.07	0.032
64QAM	847.5	20635	3	1	14	22.18	14.93	0.031
64QAM	847.5	20635	3	8	0	21.32	14.07	0.026
64QAM	847.5	20635	3	8	4	21.39	14.14	0.026
64QAM	847.5	20635	3	8	7	21.48	14.23	0.026
64QAM	847.5	20635	3	15	0	21.27	14.02	0.025

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	23.01	15.76	0.038
QPSK	826.5	20425	5	1	12	23.23	15.98	0.040
QPSK	826.5	20425	5	1	24	23.10	15.85	0.038
QPSK	826.5	20425	5	12	0	22.18	14.93	0.031
QPSK	826.5	20425	5	12	7	22.32	15.07	0.032
QPSK	826.5	20425	5	12	13	22.29	15.04	0.032
QPSK	826.5	20425	5	25	0	22.27	15.02	0.032
QPSK	836.5	20525	5	1	0	23.22	15.97	0.040
QPSK	836.5	20525	5	1	12	23.72	16.47	0.044
QPSK	836.5	20525	5	1	24	23.01	15.76	0.038
QPSK	836.5	20525	5	12	0	22.26	15.01	0.032
QPSK	836.5	20525	5	12	7	22.38	15.13	0.033
QPSK	836.5	20525	5	12	13	22.34	15.09	0.032
QPSK	836.5	20525	5	25	0	22.20	14.95	0.031
QPSK	846.5	20625	5	1	0	23.49	16.24	0.042
QPSK	846.5	20625	5	1	12	23.52	16.27	0.042
QPSK	846.5	20625	5	1	24	23.25	16.00	0.040
QPSK	846.5	20625	5	12	0	22.29	15.04	0.032
QPSK	846.5	20625	5	12	7	22.35	15.10	0.032
QPSK	846.5	20625	5	12	13	22.37	15.12	0.033
QPSK	846.5	20625	5	25	0	22.38	15.13	0.033

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	826.5	20425	5	1	0	22.40	15.15	0.033
16QAM	826.5	20425	5	1	12	22.44	15.19	0.033
16QAM	826.5	20425	5	1	24	22.46	15.21	0.033
16QAM	826.5	20425	5	12	0	21.17	13.92	0.025
16QAM	826.5	20425	5	12	7	21.38	14.13	0.026
16QAM	826.5	20425	5	12	13	21.34	14.09	0.026
16QAM	826.5	20425	5	25	0	21.32	14.07	0.026
16QAM	836.5	20525	5	1	0	22.66	15.41	0.035
16QAM	836.5	20525	5	1	12	22.63	15.38	0.035
16QAM	836.5	20525	5	1	24	22.66	15.41	0.035
16QAM	836.5	20525	5	12	0	21.24	13.99	0.025
16QAM	836.5	20525	5	12	7	21.37	14.12	0.026
16QAM	836.5	20525	5	12	13	21.51	14.26	0.027
16QAM	836.5	20525	5	25	0	21.28	14.03	0.025
16QAM	846.5	20625	5	1	0	22.73	15.48	0.035
16QAM	846.5	20625	5	1	12	22.80	15.55	0.036
16QAM	846.5	20625	5	1	24	22.38	15.13	0.033
16QAM	846.5	20625	5	12	0	21.33	14.08	0.026
16QAM	846.5	20625	5	12	7	21.33	14.08	0.026
16QAM	846.5	20625	5	12	13	21.40	14.15	0.026
16QAM	846.5	20625	5	25	0	21.53	14.28	0.027
64QAM	826.5	20425	5	1	0	22.20	14.95	0.031
64QAM	826.5	20425	5	1	12	22.24	14.99	0.032
64QAM	826.5	20425	5	1	24	22.07	14.82	0.030
64QAM	826.5	20425	5	12	0	21.19	13.94	0.025
64QAM	826.5	20425	5	12	7	21.24	13.99	0.025
64QAM	826.5	20425	5	12	13	21.40	14.15	0.026
64QAM	826.5	20425	5	25	0	21.25	14.00	0.025
64QAM	836.5	20525	5	1	0	22.27	15.02	0.032
64QAM	836.5	20525	5	1	12	22.37	15.12	0.033
64QAM	836.5	20525	5	1	24	22.54	15.29	0.034
64QAM	836.5	20525	5	12	0	21.28	14.03	0.025
64QAM	836.5	20525	5	12	7	21.51	14.26	0.027
64QAM	836.5	20525	5	12	13	21.37	14.12	0.026
64QAM	836.5	20525	5	25	0	21.24	13.99	0.025
64QAM	846.5	20625	5	1	0	22.67	15.42	0.035
64QAM	846.5	20625	5	1	12	22.16	14.91	0.031
64QAM	846.5	20625	5	1	24	22.36	15.11	0.032
64QAM	846.5	20625	5	12	0	21.39	14.14	0.026
64QAM	846.5	20625	5	12	7	21.43	14.18	0.026
64QAM	846.5	20625	5	12	13	21.54	14.29	0.027
64QAM	846.5	20625	5	25	0	21.36	14.11	0.026

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	23.28	16.03	0.040
QPSK	829	20450	10	1	25	23.26	16.01	0.040
QPSK	829	20450	10	1	49	23.10	15.85	0.038
QPSK	829	20450	10	25	0	22.25	15.00	0.032
QPSK	829	20450	10	25	12	22.29	15.04	0.032
QPSK	829	20450	10	25	25	22.24	14.99	0.032
QPSK	829	20450	10	50	0	22.33	15.08	0.032
QPSK	836.5	20525	10	1	0	23.11	15.86	0.039
QPSK	836.5	20525	10	1	25	23.16	15.91	0.039
QPSK	836.5	20525	10	1	49	23.19	15.94	0.039
QPSK	836.5	20525	10	25	0	22.27	15.02	0.032
QPSK	836.5	20525	10	25	12	22.19	14.94	0.031
QPSK	836.5	20525	10	25	25	22.37	15.12	0.033
QPSK	836.5	20525	10	50	0	22.19	14.94	0.031
QPSK	844	20600	10	1	0	23.35	16.10	0.041
QPSK	844	20600	10	1	25	23.30	16.05	0.040
QPSK	844	20600	10	1	49	23.23	15.98	0.040
QPSK	844	20600	10	25	0	22.17	14.92	0.031
QPSK	844	20600	10	25	12	22.32	15.07	0.032
QPSK	844	20600	10	25	25	22.35	15.10	0.032
QPSK	844	20600	10	50	0	22.33	15.08	0.032

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	20450	10	1	0	22.76	15.51	0.036
16QAM	829	20450	10	1	25	22.98	15.73	0.037
16QAM	829	20450	10	1	49	22.52	15.27	0.034
16QAM	829	20450	10	25	0	21.28	14.03	0.025
16QAM	829	20450	10	25	12	21.36	14.11	0.026
16QAM	829	20450	10	25	25	21.26	14.01	0.025
16QAM	829	20450	10	50	0	21.33	14.08	0.026
16QAM	836.5	20525	10	1	0	22.69	15.44	0.035
16QAM	836.5	20525	10	1	25	21.90	14.65	0.029
16QAM	836.5	20525	10	1	49	22.85	15.60	0.036
16QAM	836.5	20525	10	25	0	21.38	14.13	0.026
16QAM	836.5	20525	10	25	12	21.18	13.93	0.025
16QAM	836.5	20525	10	25	25	21.37	14.12	0.026
16QAM	836.5	20525	10	50	0	21.22	13.97	0.025
16QAM	844	20600	10	1	0	22.69	15.44	0.035
16QAM	844	20600	10	1	25	22.69	15.44	0.035
16QAM	844	20600	10	1	49	22.68	15.43	0.035
16QAM	844	20600	10	25	0	21.33	14.08	0.026
16QAM	844	20600	10	25	12	21.48	14.23	0.026
16QAM	844	20600	10	25	25	21.40	14.15	0.026
16QAM	844	20600	10	50	0	21.46	14.21	0.026
64QAM	829	20450	10	1	0	22.53	15.28	0.034
64QAM	829	20450	10	1	25	22.24	14.99	0.032
64QAM	829	20450	10	1	49	22.46	15.21	0.033
64QAM	829	20450	10	25	0	21.25	14.00	0.025
64QAM	829	20450	10	25	12	21.32	14.07	0.026
64QAM	829	20450	10	25	25	21.25	14.00	0.025
64QAM	829	20450	10	50	0	21.26	14.01	0.025
64QAM	836.5	20525	10	1	0	22.26	15.01	0.032
64QAM	836.5	20525	10	1	25	22.16	14.91	0.031
64QAM	836.5	20525	10	1	49	22.30	15.05	0.032
64QAM	836.5	20525	10	25	0	21.32	14.07	0.026
64QAM	836.5	20525	10	25	12	21.33	14.08	0.026
64QAM	836.5	20525	10	25	25	21.35	14.10	0.026
64QAM	836.5	20525	10	50	0	21.32	14.07	0.026
64QAM	844	20600	10	1	0	22.60	15.35	0.034
64QAM	844	20600	10	1	25	22.17	14.92	0.031
64QAM	844	20600	10	1	49	22.01	14.76	0.030
64QAM	844	20600	10	25	0	21.27	14.02	0.025
64QAM	844	20600	10	25	12	21.53	14.28	0.027
64QAM	844	20600	10	25	25	21.31	14.06	0.025
64QAM	844	20600	10	50	0	21.35	14.10	0.026