

Fig.49

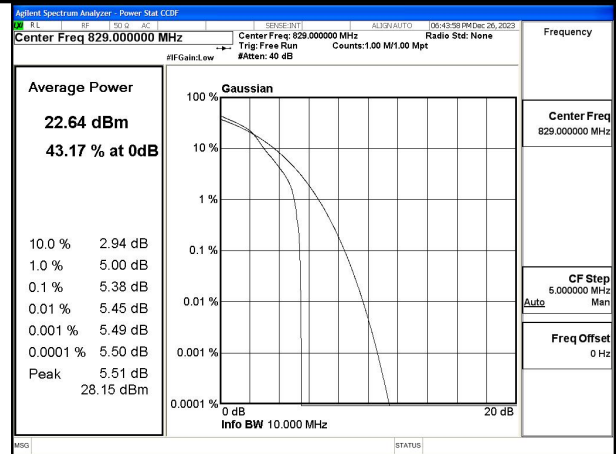


Fig.50

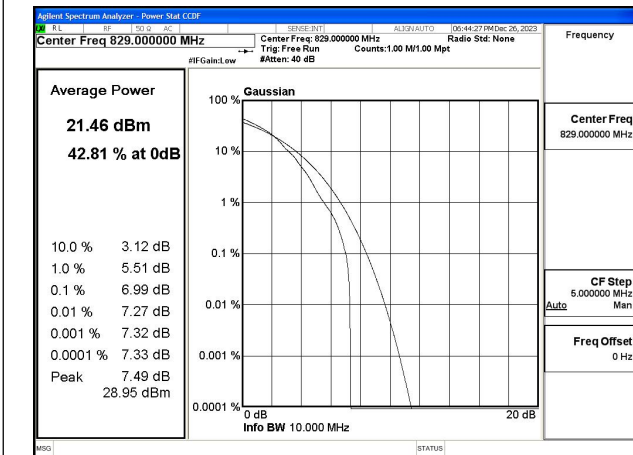


Fig.51

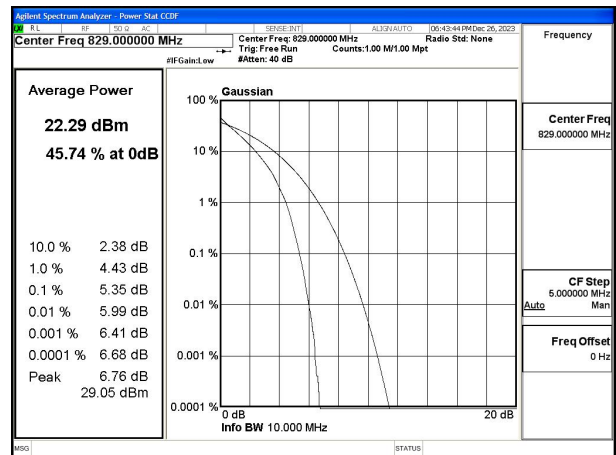


Fig.52

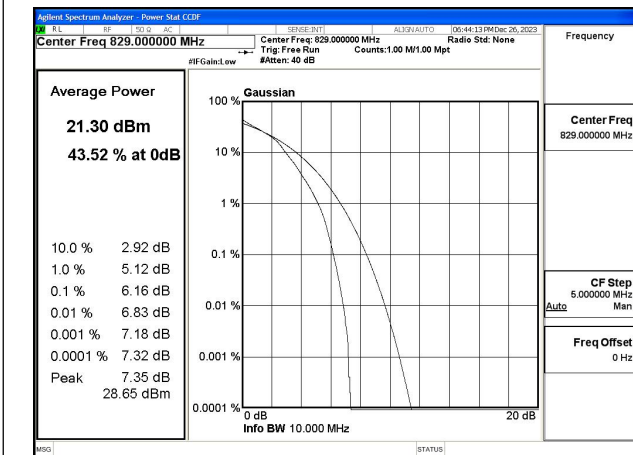


Fig.53

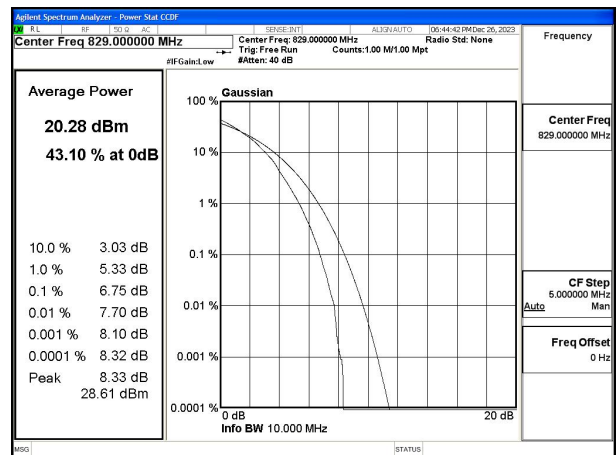


Fig.54

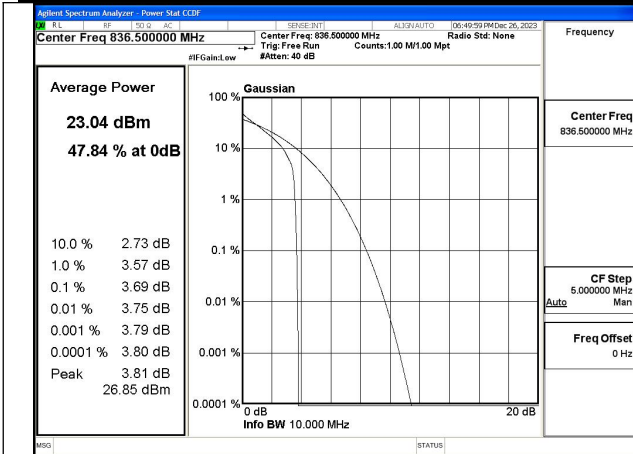


Fig.55

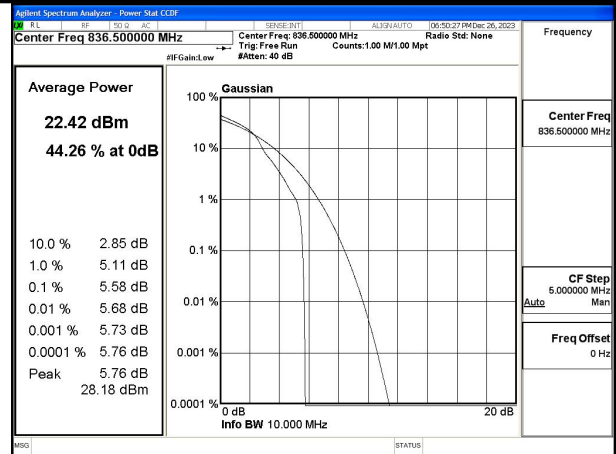


Fig.56

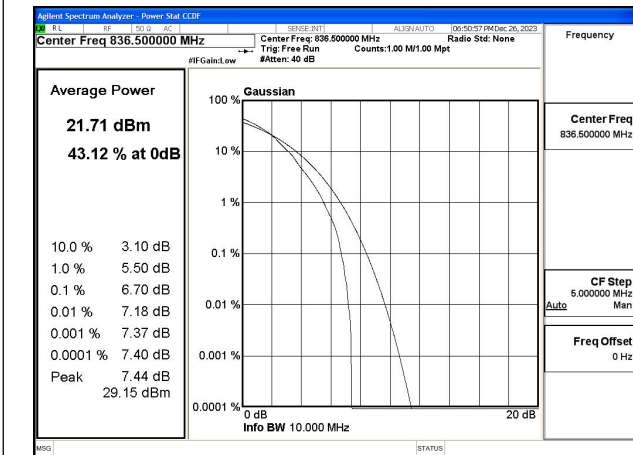


Fig.57

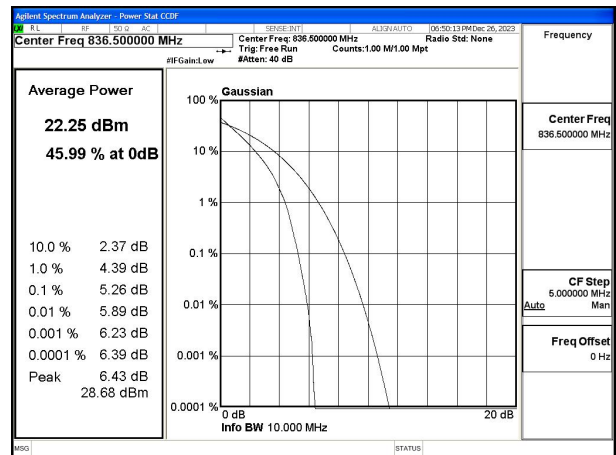


Fig.58

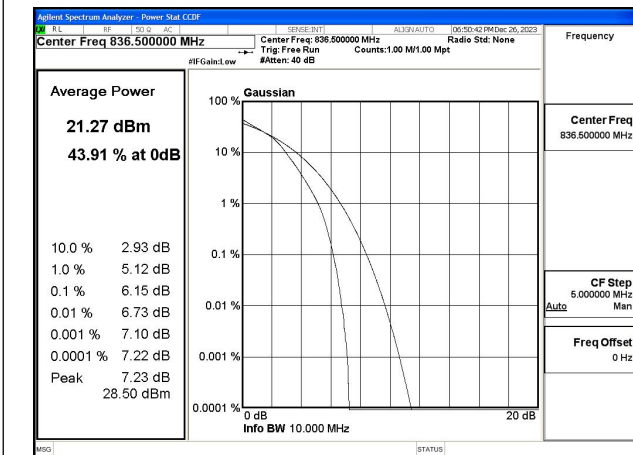


Fig.59

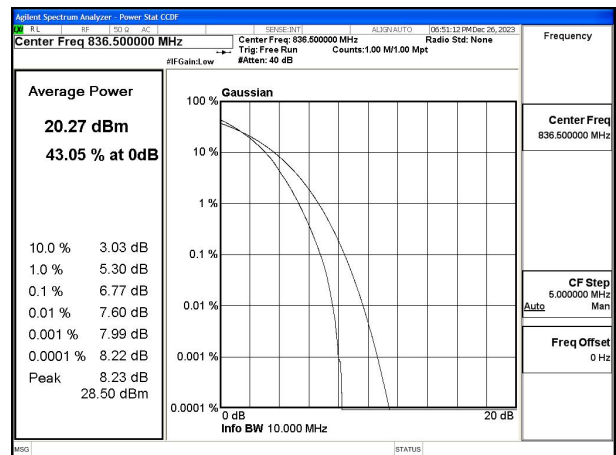


Fig.60

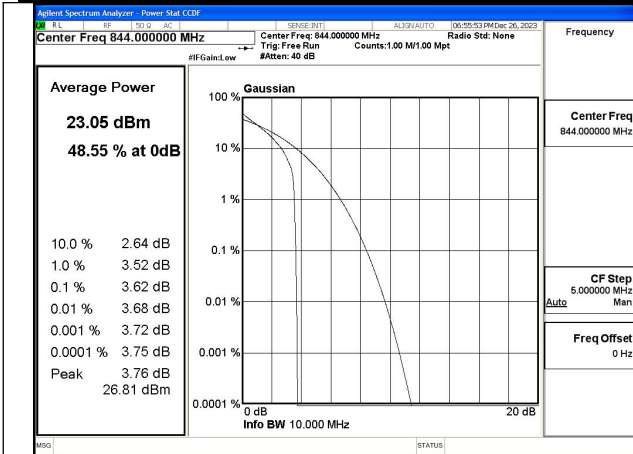


Fig.61

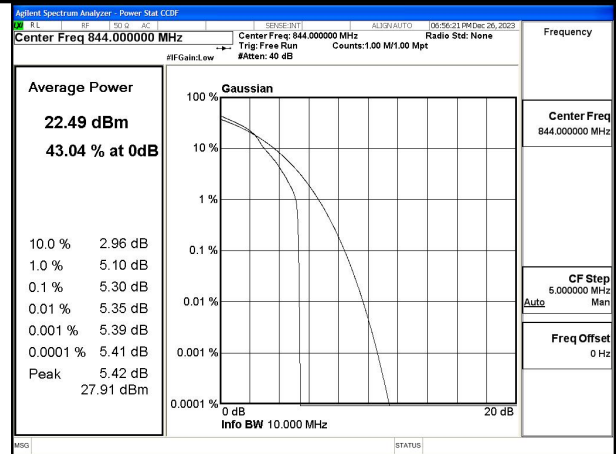


Fig.62

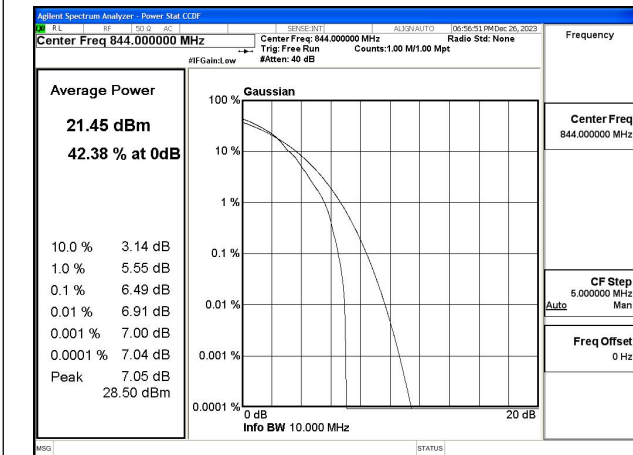


Fig.63

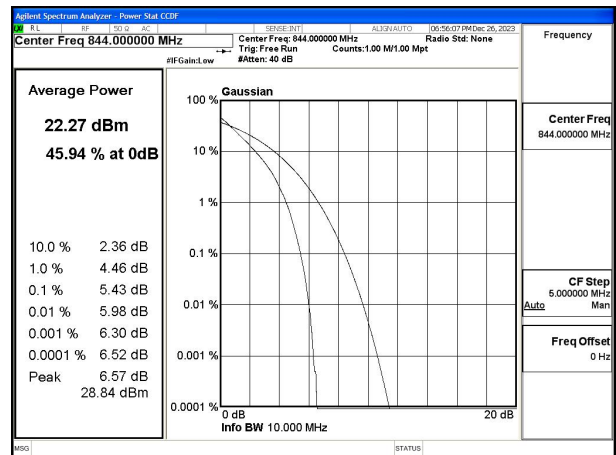


Fig.64

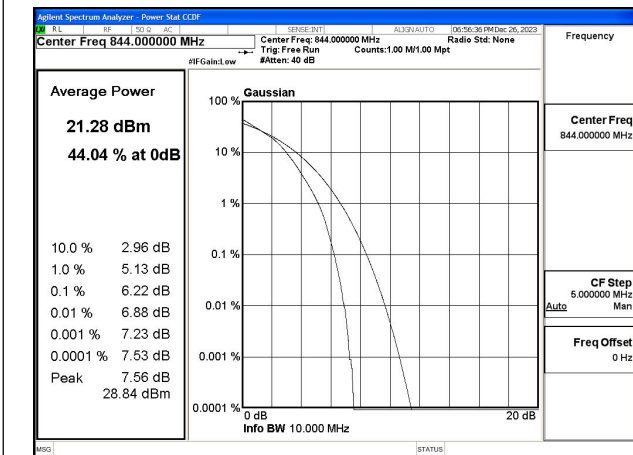


Fig.65

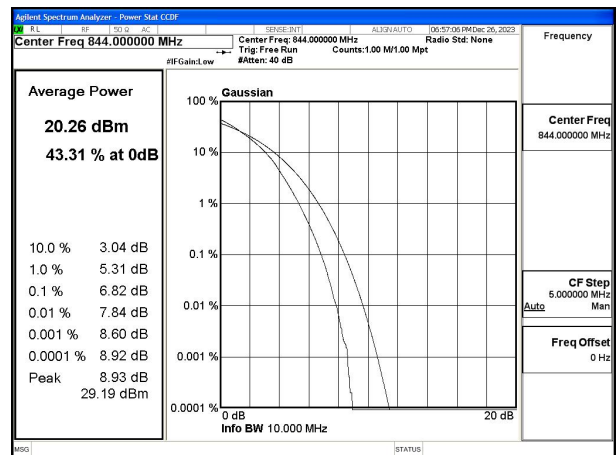


Fig.66

**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

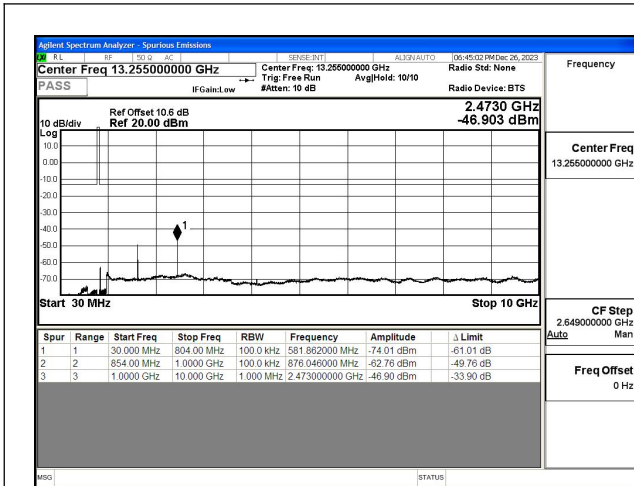


Fig.1

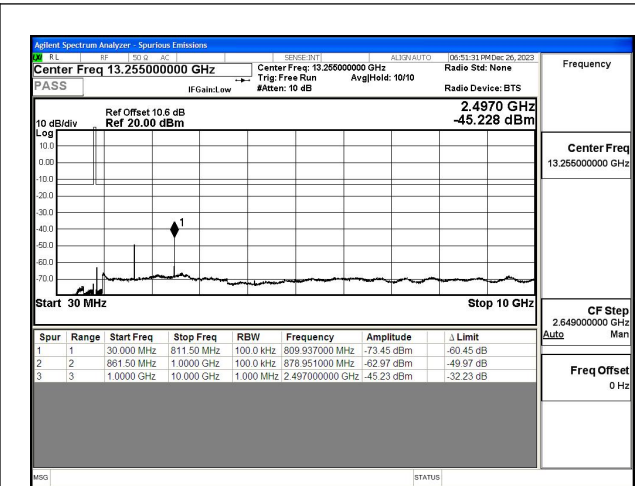


Fig.2

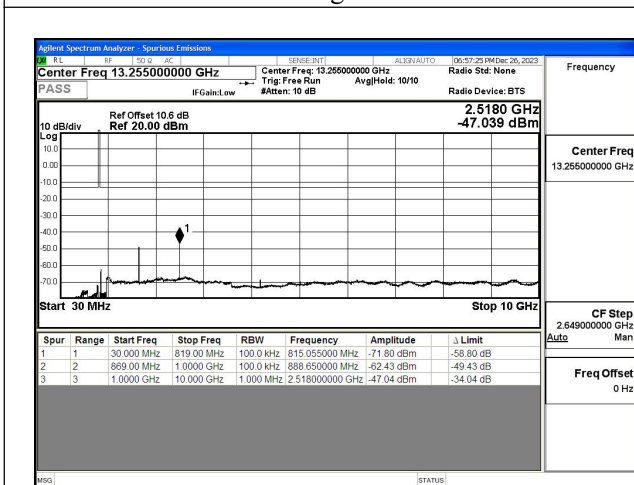


Fig.3

### 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

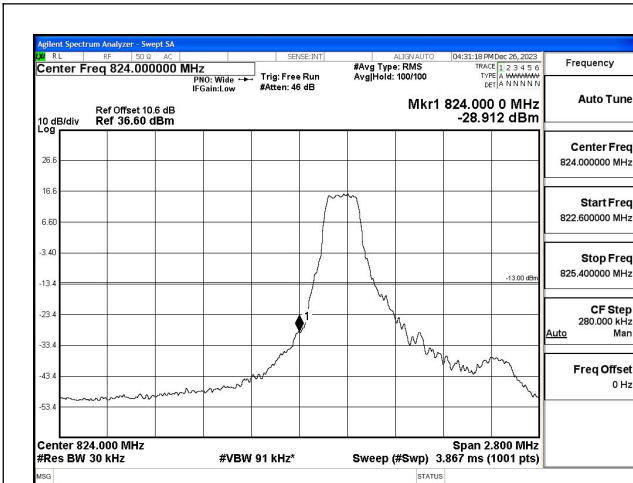


Fig.1

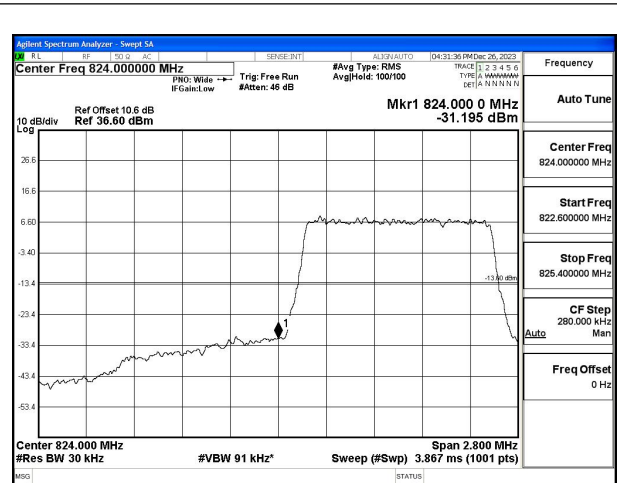


Fig.2

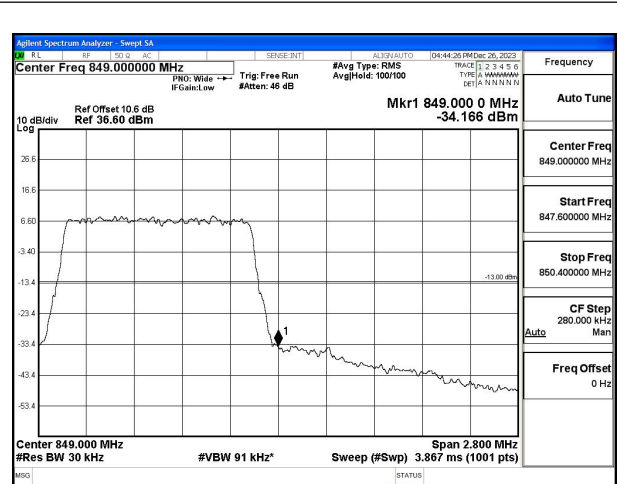
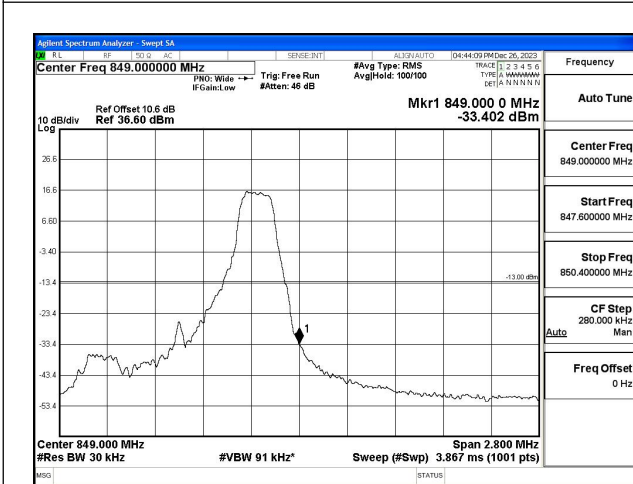


Fig.3

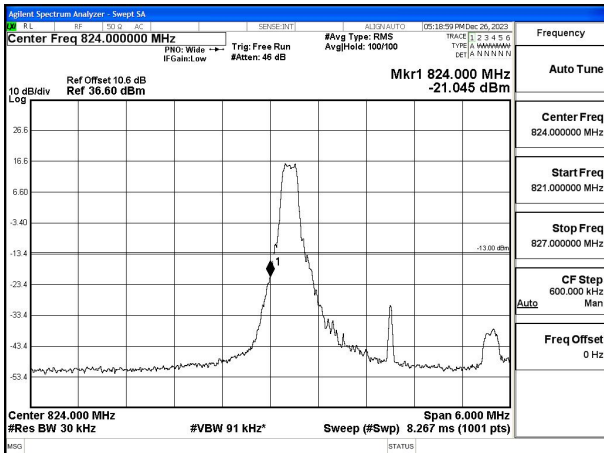


Fig.4

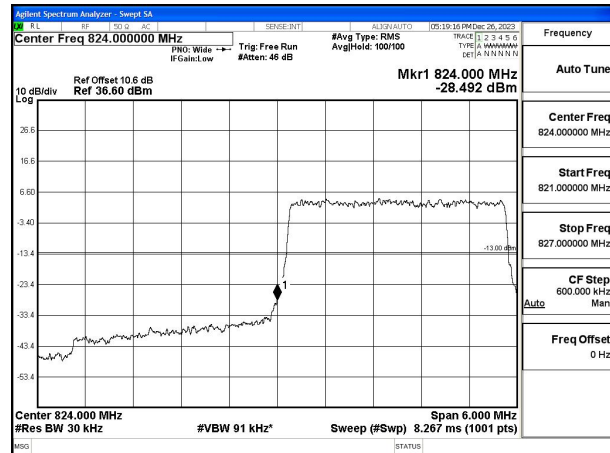


Fig.5

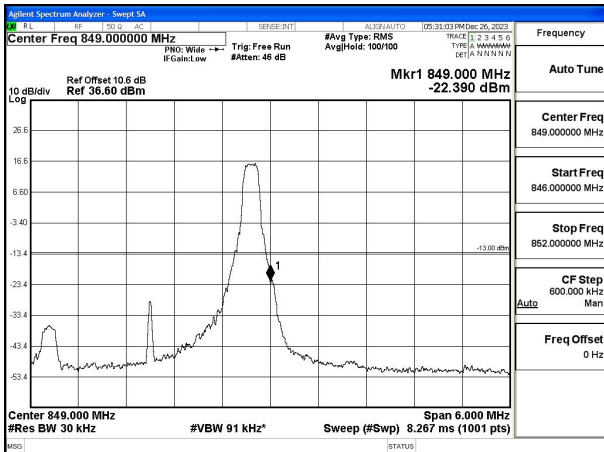


Fig.6

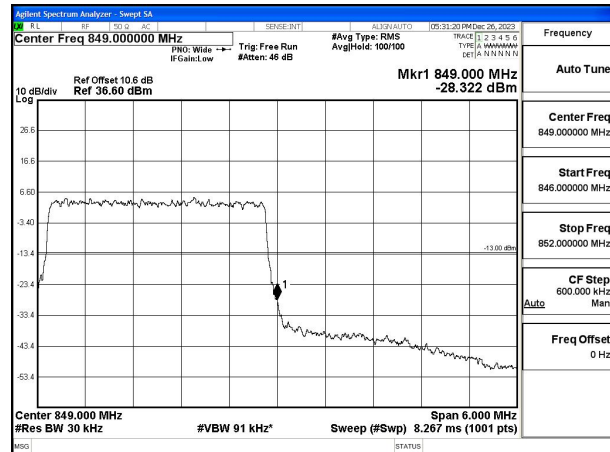


Fig.7

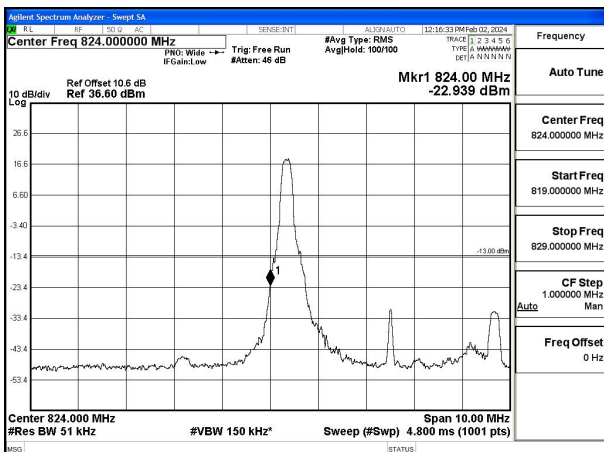


Fig.8

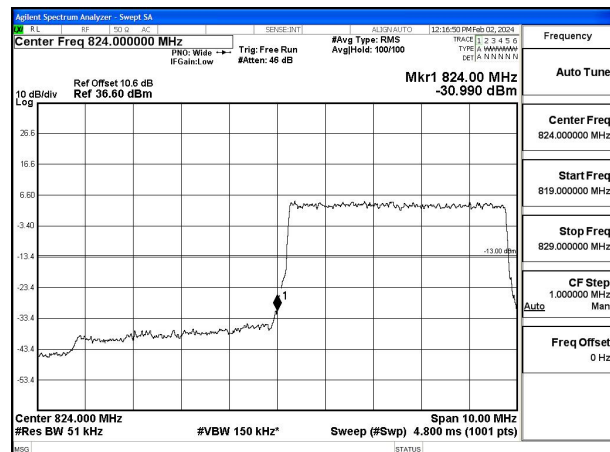


Fig.9

Fig.10

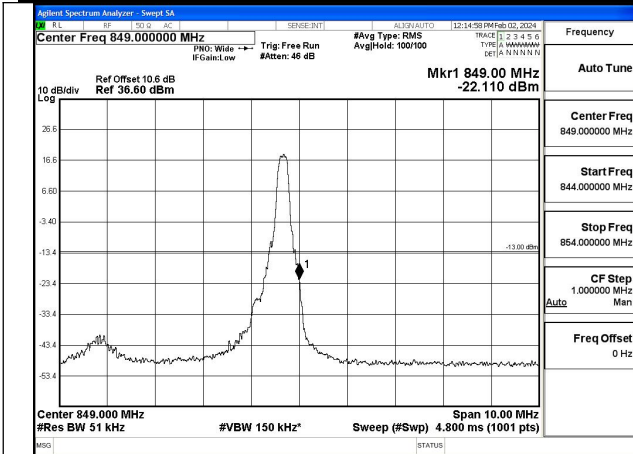


Fig. 11

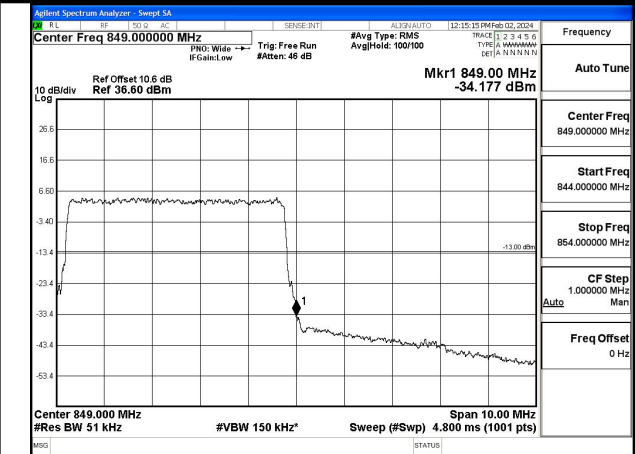


Fig. 12

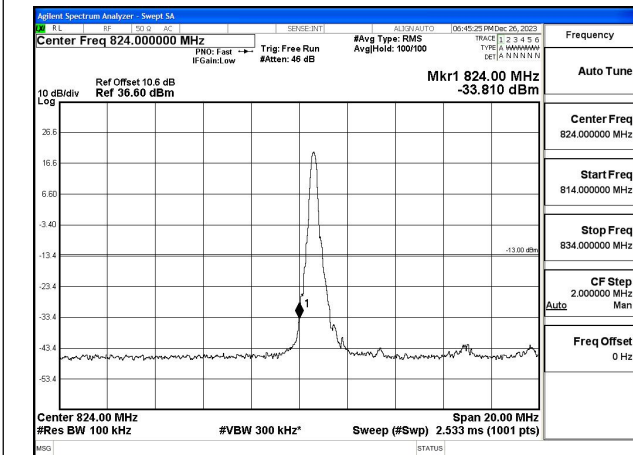


Fig. 13

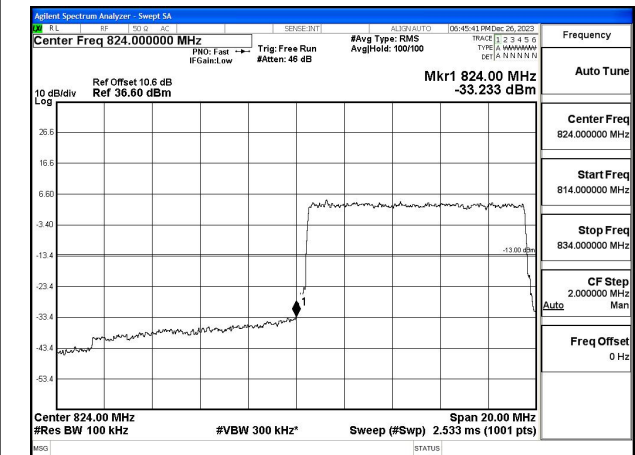


Fig. 14

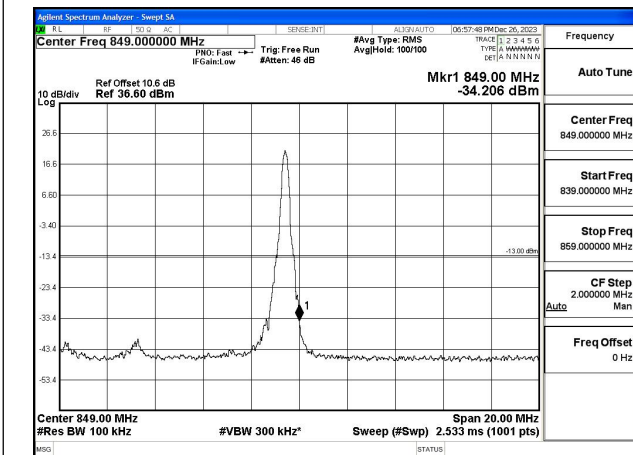


Fig. 15

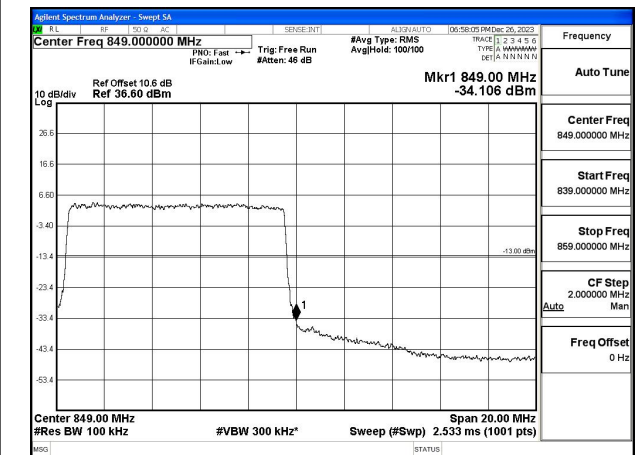


Fig. 16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.004	0.002	-0.008	-0.005
0	NV	-0.005	0.004	-0.005	-0.006
+10	NV	-0.004	-0.001	-0.010	0.005
+20	NV	-0.012	0.000	-0.008	0.005
+30	NV	0.006	0.006	-0.004	0.005
+40	NV	0.002	0.002	-0.007	0.005
+55	NV	-0.013	0.002	-0.006	-0.007
+20	LV	0.003	0.004	-0.008	0.005
+20	HV	-0.020	0.001	-0.009	-0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.006	0.002	-0.005	-0.006
0	NV	-0.005	0.002	0.005	-0.006
+10	NV	-0.025	0.003	0.005	0.004
+20	NV	-0.006	0.004	-0.006	-0.006
+30	NV	0.001	0.003	-0.005	-0.006
+40	NV	-0.025	-0.003	-0.005	-0.005
+55	NV	-0.010	0.002	-0.006	-0.005
+20	LV	0.017	-0.001	0.006	-0.005
+20	HV	-0.009	0.002	-0.007	-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	824.7	20407	1.4	1	0	23.45	16.80	0.048
QPSK	824.7	20407	1.4	1	3	23.50	16.85	0.048
QPSK	824.7	20407	1.4	1	5	23.43	16.78	0.048
QPSK	824.7	20407	1.4	3	0	23.35	16.70	0.047
QPSK	824.7	20407	1.4	3	1	23.52	16.87	0.049
QPSK	824.7	20407	1.4	3	3	23.39	16.74	0.047
QPSK	824.7	20407	1.4	6	0	22.70	16.05	0.040
QPSK	836.5	20525	1.4	1	0	23.53	16.88	0.049
QPSK	836.5	20525	1.4	1	3	23.71	17.06	0.051
QPSK	836.5	20525	1.4	1	5	23.52	16.87	0.049
QPSK	836.5	20525	1.4	3	0	23.52	16.87	0.049
QPSK	836.5	20525	1.4	3	1	23.47	16.82	0.048
QPSK	836.5	20525	1.4	3	3	23.56	16.91	0.049
QPSK	836.5	20525	1.4	6	0	22.69	16.04	0.040
QPSK	848.3	20643	1.4	1	0	23.47	16.82	0.048
QPSK	848.3	20643	1.4	1	3	23.51	16.86	0.049
QPSK	848.3	20643	1.4	1	5	23.46	16.81	0.048
QPSK	848.3	20643	1.4	3	0	23.39	16.74	0.047
QPSK	848.3	20643	1.4	3	1	23.43	16.78	0.048
QPSK	848.3	20643	1.4	3	3	23.49	16.84	0.048
QPSK	848.3	20643	1.4	6	0	22.72	16.07	0.040

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	22.66	16.01	0.040
16QAM	824.7	20407	1.4	1	3	22.75	16.10	0.041
16QAM	824.7	20407	1.4	1	5	22.72	16.07	0.040
16QAM	824.7	20407	1.4	3	0	22.66	16.01	0.040
16QAM	824.7	20407	1.4	3	1	22.88	16.23	0.042
16QAM	824.7	20407	1.4	3	3	22.70	16.05	0.040
16QAM	824.7	20407	1.4	6	0	21.82	15.17	0.033
16QAM	836.5	20525	1.4	1	0	22.87	16.22	0.042
16QAM	836.5	20525	1.4	1	3	23.12	16.47	0.044
16QAM	836.5	20525	1.4	1	5	23.15	16.50	0.045
16QAM	836.5	20525	1.4	3	0	22.80	16.15	0.041
16QAM	836.5	20525	1.4	3	1	23.07	16.42	0.044
16QAM	836.5	20525	1.4	3	3	22.71	16.06	0.040
16QAM	836.5	20525	1.4	6	0	21.76	15.11	0.032
16QAM	848.3	20643	1.4	1	0	22.99	16.34	0.043
16QAM	848.3	20643	1.4	1	3	23.22	16.57	0.045
16QAM	848.3	20643	1.4	1	5	22.98	16.33	0.043
16QAM	848.3	20643	1.4	3	0	22.59	15.94	0.039
16QAM	848.3	20643	1.4	3	1	22.66	16.01	0.040
16QAM	848.3	20643	1.4	3	3	22.66	16.01	0.040
16QAM	848.3	20643	1.4	6	0	21.85	15.20	0.033
64QAM	824.7	20407	1.4	1	0	22.20	15.55	0.036
64QAM	824.7	20407	1.4	1	3	22.15	15.50	0.035
64QAM	824.7	20407	1.4	1	5	22.28	15.63	0.037
64QAM	824.7	20407	1.4	3	0	22.17	15.52	0.036
64QAM	824.7	20407	1.4	3	1	21.96	15.31	0.034
64QAM	824.7	20407	1.4	3	3	22.07	15.42	0.035
64QAM	824.7	20407	1.4	6	0	20.64	13.99	0.025
64QAM	836.5	20525	1.4	1	0	21.82	15.17	0.033
64QAM	836.5	20525	1.4	1	3	22.01	15.36	0.034
64QAM	836.5	20525	1.4	1	5	21.84	15.19	0.033
64QAM	836.5	20525	1.4	3	0	21.71	15.06	0.032
64QAM	836.5	20525	1.4	3	1	21.95	15.30	0.034
64QAM	836.5	20525	1.4	3	3	21.99	15.34	0.034
64QAM	836.5	20525	1.4	6	0	20.99	14.34	0.027
64QAM	848.3	20643	1.4	1	0	22.07	15.42	0.035
64QAM	848.3	20643	1.4	1	3	22.13	15.48	0.035
64QAM	848.3	20643	1.4	1	5	22.08	15.43	0.035
64QAM	848.3	20643	1.4	3	0	21.69	15.04	0.032
64QAM	848.3	20643	1.4	3	1	21.72	15.07	0.032
64QAM	848.3	20643	1.4	3	3	21.72	15.07	0.032
64QAM	848.3	20643	1.4	6	0	20.77	14.12	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	23.64	16.99	0.050
QPSK	825.5	20415	3	1	8	23.63	16.98	0.050
QPSK	825.5	20415	3	1	14	23.55	16.90	0.049
QPSK	825.5	20415	3	8	0	22.88	16.23	0.042
QPSK	825.5	20415	3	8	4	22.82	16.17	0.041
QPSK	825.5	20415	3	8	7	22.80	16.15	0.041
QPSK	825.5	20415	3	15	0	22.79	16.14	0.041
QPSK	836.5	20525	3	1	0	23.71	17.06	0.051
QPSK	836.5	20525	3	1	8	23.75	17.10	0.051
QPSK	836.5	20525	3	1	14	23.66	17.01	0.050
QPSK	836.5	20525	3	8	0	22.77	16.12	0.041
QPSK	836.5	20525	3	8	4	22.95	16.30	0.043
QPSK	836.5	20525	3	8	7	22.95	16.30	0.043
QPSK	836.5	20525	3	15	0	22.85	16.20	0.042
QPSK	847.5	20635	3	1	0	23.68	17.03	0.050
QPSK	847.5	20635	3	1	8	23.78	17.13	0.052
QPSK	847.5	20635	3	1	14	23.63	16.98	0.050
QPSK	847.5	20635	3	8	0	22.87	16.22	0.042
QPSK	847.5	20635	3	8	4	22.82	16.17	0.041
QPSK	847.5	20635	3	8	7	22.86	16.21	0.042
QPSK	847.5	20635	3	15	0	22.81	16.16	0.041

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	23.50	16.85	0.048
16QAM	825.5	20415	3	1	8	23.58	16.93	0.049
16QAM	825.5	20415	3	1	14	23.55	16.90	0.049
16QAM	825.5	20415	3	8	0	21.92	15.27	0.034
16QAM	825.5	20415	3	8	4	21.88	15.23	0.033
16QAM	825.5	20415	3	8	7	21.83	15.18	0.033
16QAM	825.5	20415	3	15	0	21.80	15.15	0.033
16QAM	836.5	20525	3	1	0	23.03	16.38	0.043
16QAM	836.5	20525	3	1	8	23.17	16.52	0.045
16QAM	836.5	20525	3	1	14	23.00	16.35	0.043
16QAM	836.5	20525	3	8	0	21.83	15.18	0.033
16QAM	836.5	20525	3	8	4	21.84	15.19	0.033
16QAM	836.5	20525	3	8	7	21.94	15.29	0.034
16QAM	836.5	20525	3	15	0	21.87	15.22	0.033
16QAM	847.5	20635	3	1	0	23.19	16.54	0.045
16QAM	847.5	20635	3	1	8	23.23	16.58	0.045
16QAM	847.5	20635	3	1	14	23.09	16.44	0.044
16QAM	847.5	20635	3	8	0	21.90	15.25	0.033
16QAM	847.5	20635	3	8	4	21.89	15.24	0.033
16QAM	847.5	20635	3	8	7	22.00	15.35	0.034
16QAM	847.5	20635	3	15	0	21.83	15.18	0.033
64QAM	825.5	20415	3	1	0	22.36	15.71	0.037
64QAM	825.5	20415	3	1	8	22.30	15.65	0.037
64QAM	825.5	20415	3	1	14	22.17	15.52	0.036
64QAM	825.5	20415	3	8	0	20.80	14.15	0.026
64QAM	825.5	20415	3	8	4	21.16	14.51	0.028
64QAM	825.5	20415	3	8	7	20.86	14.21	0.026
64QAM	825.5	20415	3	15	0	20.79	14.14	0.026
64QAM	836.5	20525	3	1	0	21.85	15.20	0.033
64QAM	836.5	20525	3	1	8	22.06	15.41	0.035
64QAM	836.5	20525	3	1	14	22.04	15.39	0.035
64QAM	836.5	20525	3	8	0	20.78	14.13	0.026
64QAM	836.5	20525	3	8	4	20.97	14.32	0.027
64QAM	836.5	20525	3	8	7	20.88	14.23	0.026
64QAM	836.5	20525	3	15	0	21.00	14.35	0.027
64QAM	847.5	20635	3	1	0	22.34	15.69	0.037
64QAM	847.5	20635	3	1	8	22.20	15.55	0.036
64QAM	847.5	20635	3	1	14	22.24	15.59	0.036
64QAM	847.5	20635	3	8	0	20.76	14.11	0.026
64QAM	847.5	20635	3	8	4	20.84	14.19	0.026
64QAM	847.5	20635	3	8	7	20.81	14.16	0.026
64QAM	847.5	20635	3	15	0	20.93	14.28	0.027

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	23.51	16.86	0.049
QPSK	826.5	20425	5	1	12	23.45	16.80	0.048
QPSK	826.5	20425	5	1	24	23.61	16.96	0.050
QPSK	826.5	20425	5	12	0	22.81	16.16	0.041
QPSK	826.5	20425	5	12	7	22.86	16.21	0.042
QPSK	826.5	20425	5	12	13	22.89	16.24	0.042
QPSK	826.5	20425	5	25	0	22.89	16.24	0.042
QPSK	836.5	20525	5	1	0	23.74	17.09	0.051
QPSK	836.5	20525	5	1	12	23.52	16.87	0.049
QPSK	836.5	20525	5	1	24	23.77	17.12	0.052
QPSK	836.5	20525	5	12	0	22.93	16.28	0.042
QPSK	836.5	20525	5	12	7	22.87	16.22	0.042
QPSK	836.5	20525	5	12	13	22.97	16.32	0.043
QPSK	836.5	20525	5	25	0	22.89	16.24	0.042
QPSK	846.5	20625	5	1	0	23.56	16.91	0.049
QPSK	846.5	20625	5	1	12	23.52	16.87	0.049
QPSK	846.5	20625	5	1	24	23.66	17.01	0.050
QPSK	846.5	20625	5	12	0	22.92	16.27	0.042
QPSK	846.5	20625	5	12	7	22.85	16.20	0.042
QPSK	846.5	20625	5	12	13	22.96	16.31	0.043
QPSK	846.5	20625	5	25	0	22.87	16.22	0.042

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	23.15	16.50	0.045
16QAM	826.5	20425	5	1	12	22.78	16.13	0.041
16QAM	826.5	20425	5	1	24	22.91	16.26	0.042
16QAM	826.5	20425	5	12	0	21.81	15.16	0.033
16QAM	826.5	20425	5	12	7	21.89	15.24	0.033
16QAM	826.5	20425	5	12	13	21.88	15.23	0.033
16QAM	826.5	20425	5	25	0	21.89	15.24	0.033
16QAM	836.5	20525	5	1	0	23.20	16.55	0.045
16QAM	836.5	20525	5	1	12	23.26	16.61	0.046
16QAM	836.5	20525	5	1	24	23.37	16.72	0.047
16QAM	836.5	20525	5	12	0	21.76	15.11	0.032
16QAM	836.5	20525	5	12	7	21.90	15.25	0.033
16QAM	836.5	20525	5	12	13	21.94	15.29	0.034
16QAM	836.5	20525	5	25	0	21.82	15.17	0.033
16QAM	846.5	20625	5	1	0	22.91	16.26	0.042
16QAM	846.5	20625	5	1	12	23.10	16.45	0.044
16QAM	846.5	20625	5	1	24	23.08	16.43	0.044
16QAM	846.5	20625	5	12	0	21.89	15.24	0.033
16QAM	846.5	20625	5	12	7	21.88	15.23	0.033
16QAM	846.5	20625	5	12	13	21.89	15.24	0.033
16QAM	846.5	20625	5	25	0	21.84	15.19	0.033
64QAM	826.5	20425	5	1	0	21.94	15.29	0.034
64QAM	826.5	20425	5	1	12	21.84	15.19	0.033
64QAM	826.5	20425	5	1	24	22.03	15.38	0.035
64QAM	826.5	20425	5	12	0	20.96	14.31	0.027
64QAM	826.5	20425	5	12	7	20.97	14.32	0.027
64QAM	826.5	20425	5	12	13	20.92	14.27	0.027
64QAM	826.5	20425	5	25	0	20.85	14.20	0.026
64QAM	836.5	20525	5	1	0	22.10	15.45	0.035
64QAM	836.5	20525	5	1	12	22.07	15.42	0.035
64QAM	836.5	20525	5	1	24	22.05	15.40	0.035
64QAM	836.5	20525	5	12	0	20.97	14.32	0.027
64QAM	836.5	20525	5	12	7	20.96	14.31	0.027
64QAM	836.5	20525	5	12	13	21.08	14.43	0.028
64QAM	836.5	20525	5	25	0	20.93	14.28	0.027
64QAM	846.5	20625	5	1	0	21.96	15.31	0.034
64QAM	846.5	20625	5	1	12	21.92	15.27	0.034
64QAM	846.5	20625	5	1	24	22.02	15.37	0.034
64QAM	846.5	20625	5	12	0	21.00	14.35	0.027
64QAM	846.5	20625	5	12	7	20.92	14.27	0.027
64QAM	846.5	20625	5	12	13	21.06	14.41	0.028
64QAM	846.5	20625	5	25	0	20.81	14.16	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	23.48	16.83	0.048
QPSK	829	20450	10	1	25	23.51	16.86	0.049
QPSK	829	20450	10	1	49	23.56	16.91	0.049
QPSK	829	20450	10	25	0	22.76	16.11	0.041
QPSK	829	20450	10	25	12	22.92	16.27	0.042
QPSK	829	20450	10	25	25	22.96	16.31	0.043
QPSK	829	20450	10	50	0	22.84	16.19	0.042
QPSK	836.5	20525	10	1	0	23.67	17.02	0.050
QPSK	836.5	20525	10	1	25	23.61	16.96	0.050
QPSK	836.5	20525	10	1	49	23.53	16.88	0.049
QPSK	836.5	20525	10	25	0	22.87	16.22	0.042
QPSK	836.5	20525	10	25	12	22.86	16.21	0.042
QPSK	836.5	20525	10	25	25	22.93	16.28	0.042
QPSK	836.5	20525	10	50	0	22.88	16.23	0.042
QPSK	844	20600	10	1	0	23.56	16.91	0.049
QPSK	844	20600	10	1	25	23.68	17.03	0.050
QPSK	844	20600	10	1	49	23.74	17.09	0.051
QPSK	844	20600	10	25	0	22.90	16.25	0.042
QPSK	844	20600	10	25	12	22.92	16.27	0.042
QPSK	844	20600	10	25	25	22.90	16.25	0.042
QPSK	844	20600	10	50	0	22.85	16.20	0.042

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	23.80	17.15	0.052
16QAM	829	20450	10	1	25	23.39	16.74	0.047
16QAM	829	20450	10	1	49	23.66	17.01	0.050
16QAM	829	20450	10	25	0	21.83	15.18	0.033
16QAM	829	20450	10	25	12	21.95	15.30	0.034
16QAM	829	20450	10	25	25	21.97	15.32	0.034
16QAM	829	20450	10	50	0	21.89	15.24	0.033
16QAM	836.5	20525	10	1	0	23.07	16.42	0.044
16QAM	836.5	20525	10	1	25	23.07	16.42	0.044
16QAM	836.5	20525	10	1	49	23.01	16.36	0.043
16QAM	836.5	20525	10	25	0	21.97	15.32	0.034
16QAM	836.5	20525	10	25	12	21.86	15.21	0.033
16QAM	836.5	20525	10	25	25	22.08	15.43	0.035
16QAM	836.5	20525	10	50	0	21.98	15.33	0.034
16QAM	844	20600	10	1	0	23.17	16.52	0.045
16QAM	844	20600	10	1	25	23.09	16.44	0.044
16QAM	844	20600	10	1	49	23.13	16.48	0.044
16QAM	844	20600	10	25	0	21.88	15.23	0.033
16QAM	844	20600	10	25	12	21.89	15.24	0.033
16QAM	844	20600	10	25	25	21.98	15.33	0.034
16QAM	844	20600	10	50	0	22.01	15.36	0.034
64QAM	829	20450	10	1	0	22.23	15.58	0.036
64QAM	829	20450	10	1	25	22.23	15.58	0.036
64QAM	829	20450	10	1	49	22.19	15.54	0.036
64QAM	829	20450	10	25	0	20.87	14.22	0.026
64QAM	829	20450	10	25	12	20.92	14.27	0.027
64QAM	829	20450	10	25	25	20.98	14.33	0.027
64QAM	829	20450	10	50	0	20.89	14.24	0.027
64QAM	836.5	20525	10	1	0	21.92	15.27	0.034
64QAM	836.5	20525	10	1	25	22.01	15.36	0.034
64QAM	836.5	20525	10	1	49	22.03	15.38	0.035
64QAM	836.5	20525	10	25	0	20.97	14.32	0.027
64QAM	836.5	20525	10	25	12	20.99	14.34	0.027
64QAM	836.5	20525	10	25	25	21.13	14.48	0.028
64QAM	836.5	20525	10	50	0	21.09	14.44	0.028
64QAM	844	20600	10	1	0	22.02	15.37	0.034
64QAM	844	20600	10	1	25	22.08	15.43	0.035
64QAM	844	20600	10	1	49	22.16	15.51	0.036
64QAM	844	20600	10	25	0	21.17	14.52	0.028
64QAM	844	20600	10	25	12	21.04	14.39	0.027
64QAM	844	20600	10	25	25	21.13	14.48	0.028
64QAM	844	20600	10	50	0	21.00	14.35	0.027