

Fig.61

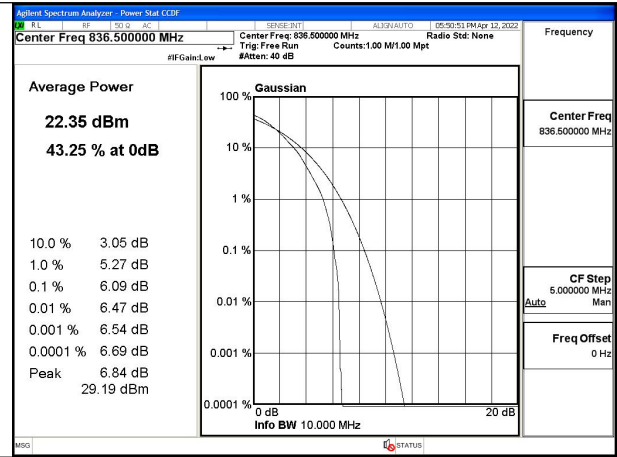


Fig.62

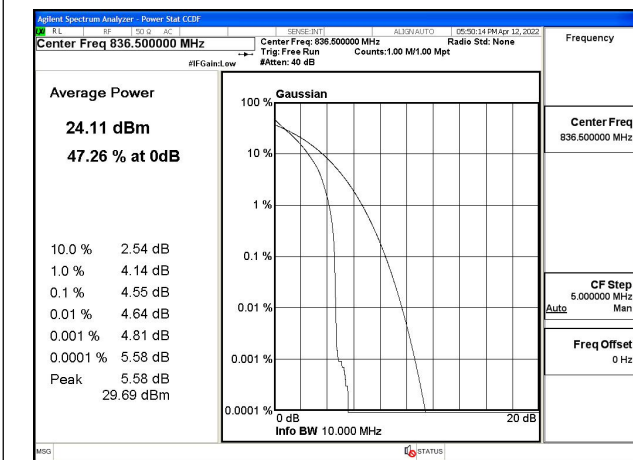


Fig.63

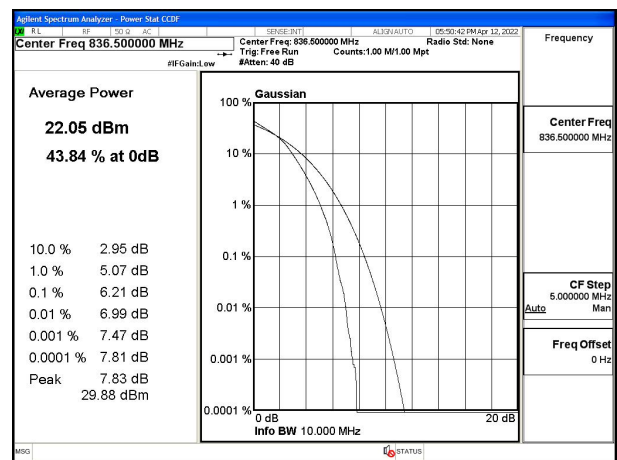


Fig.64

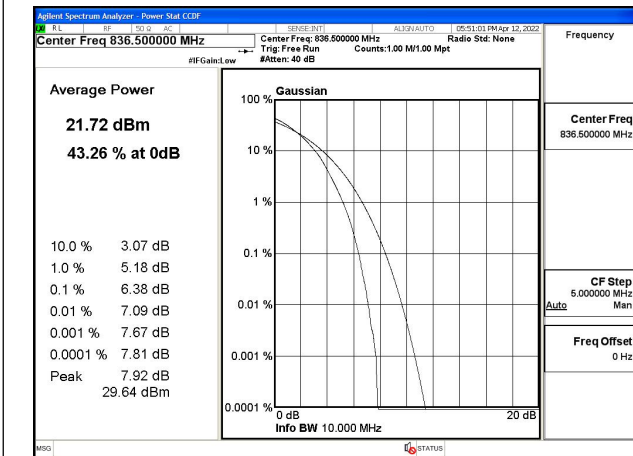


Fig.65

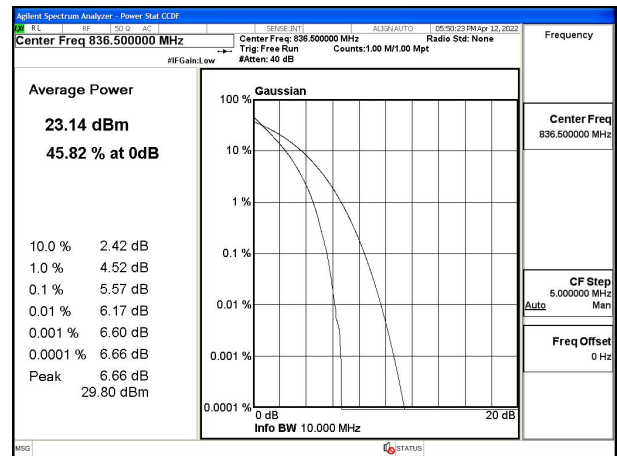


Fig.66

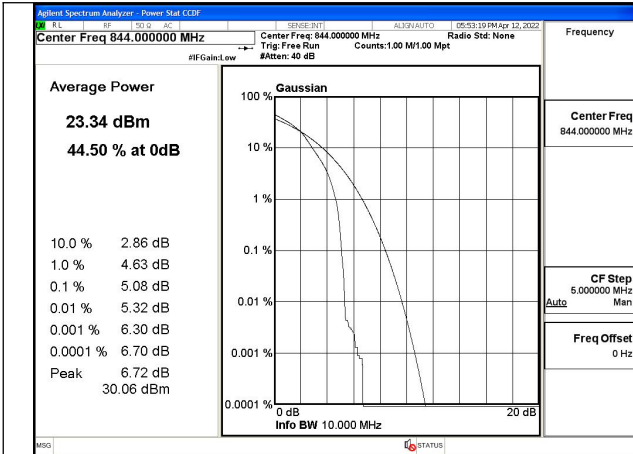


Fig.67

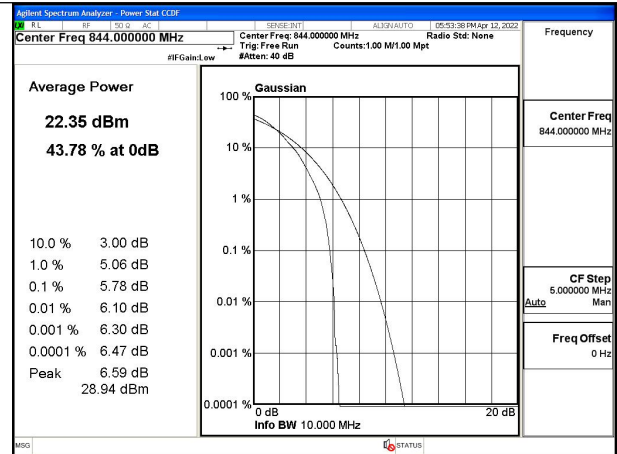


Fig.68

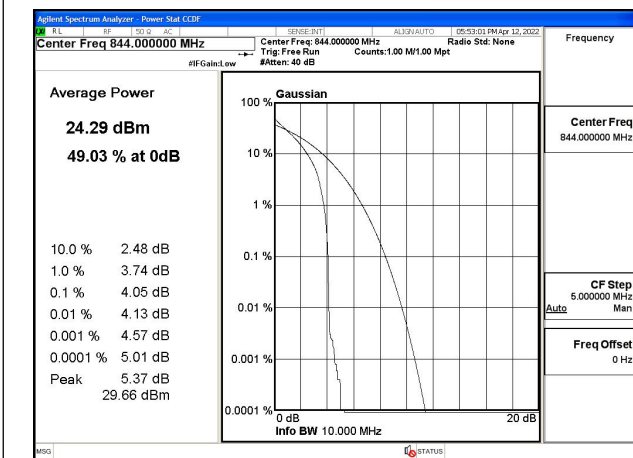


Fig.69

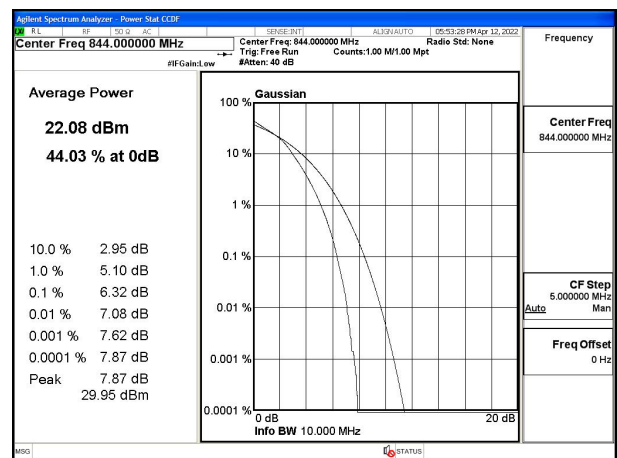


Fig.70

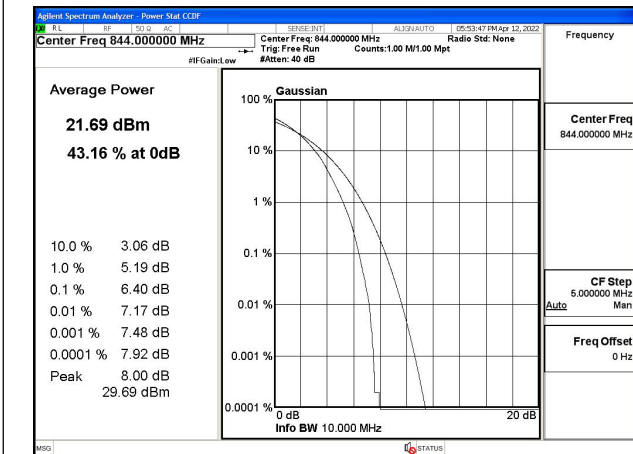


Fig.71

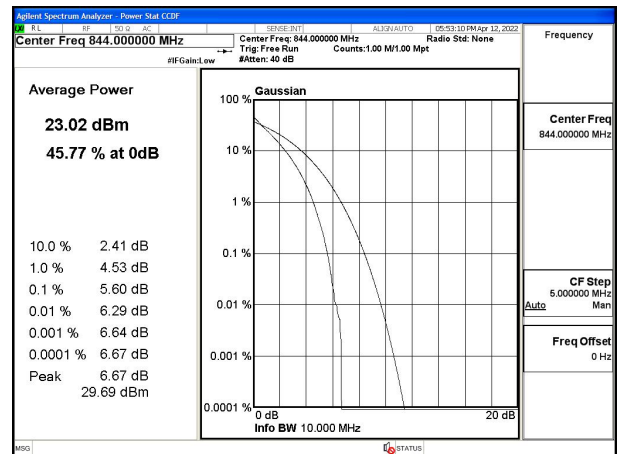


Fig.72

**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

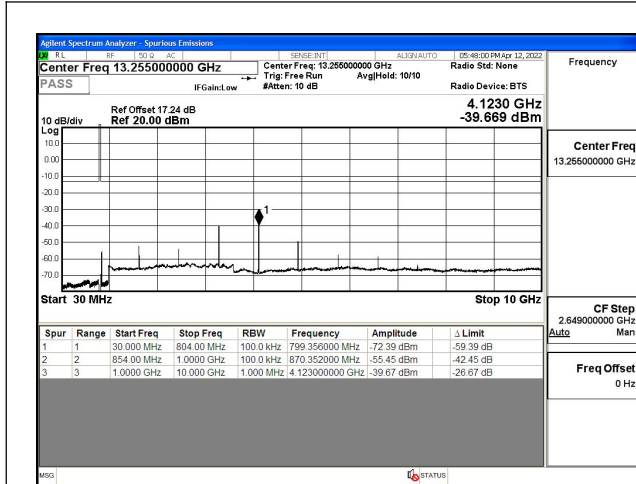


Fig.1

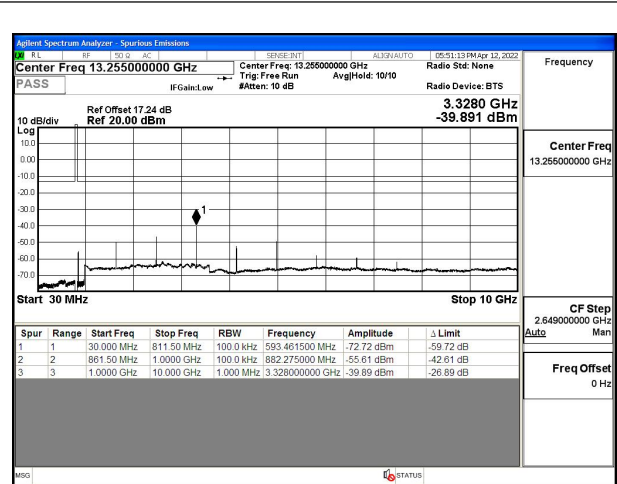


Fig.2

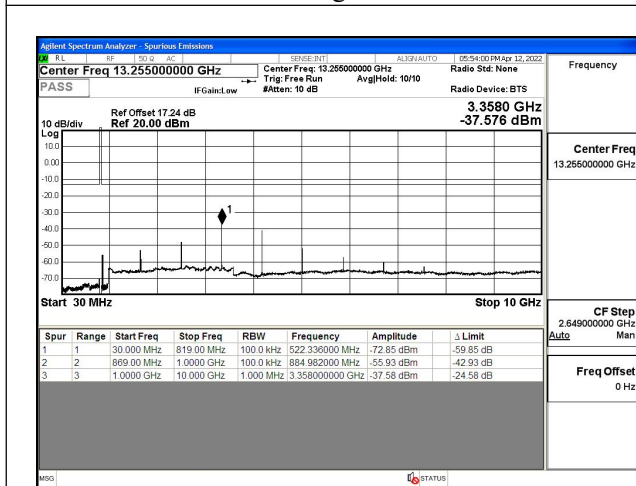


Fig.3

**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

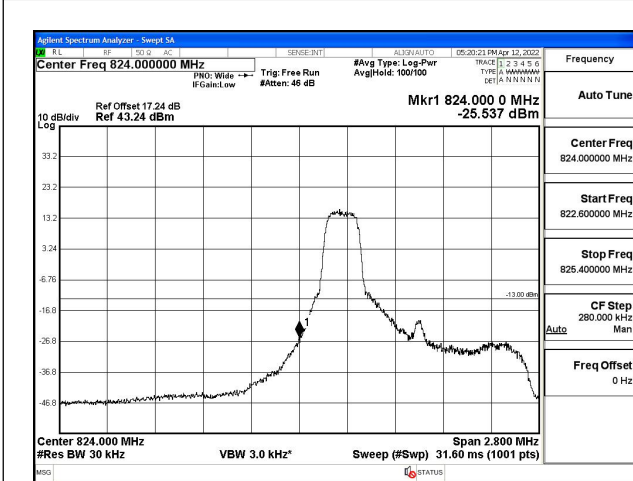


Fig.1

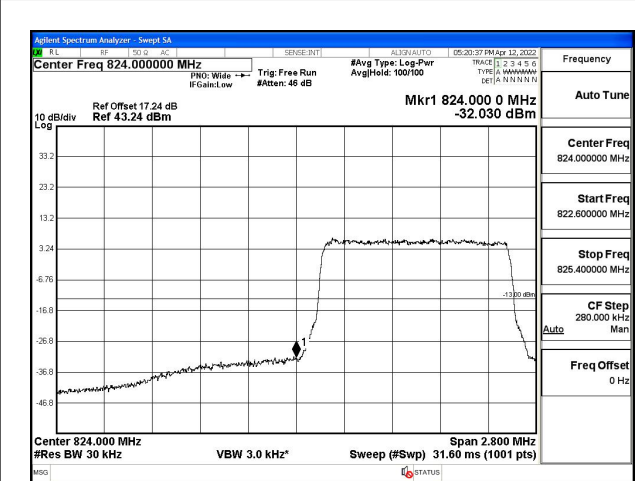


Fig.2

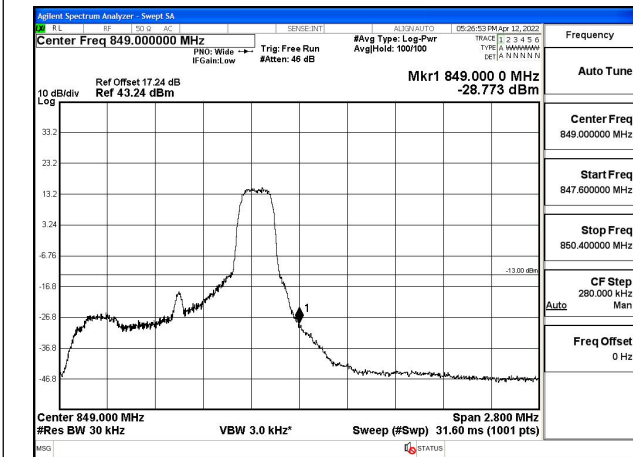


Fig.3

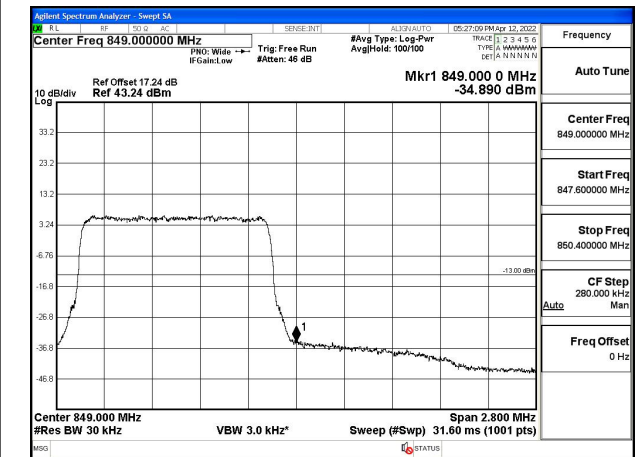


Fig.4

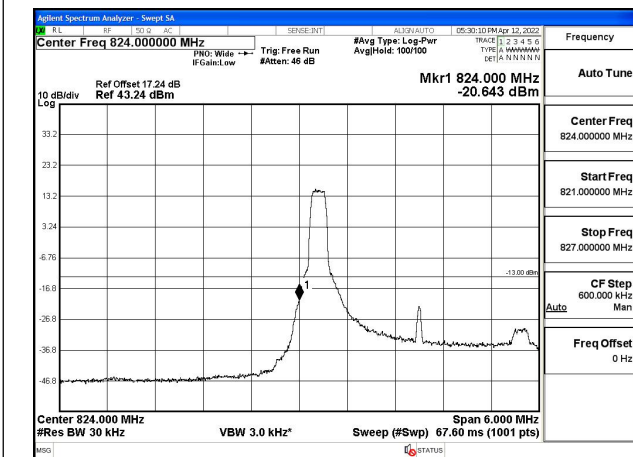


Fig.5

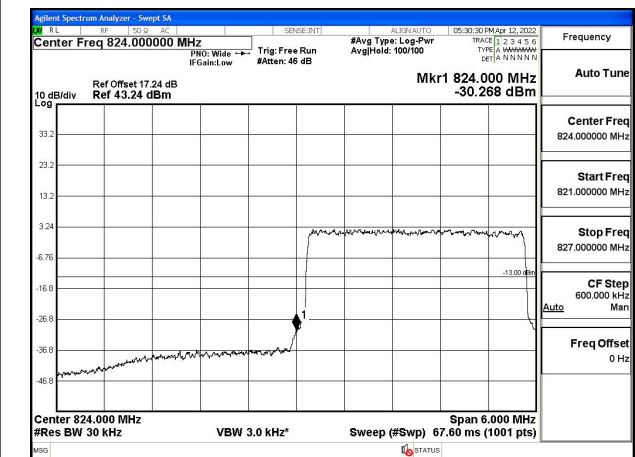


Fig.6

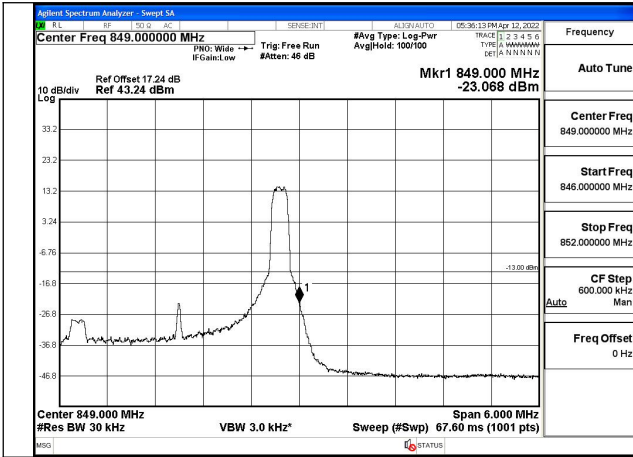


Fig.7

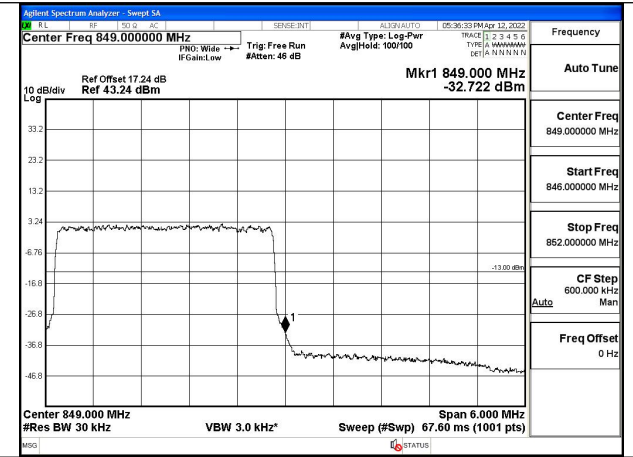


Fig.8

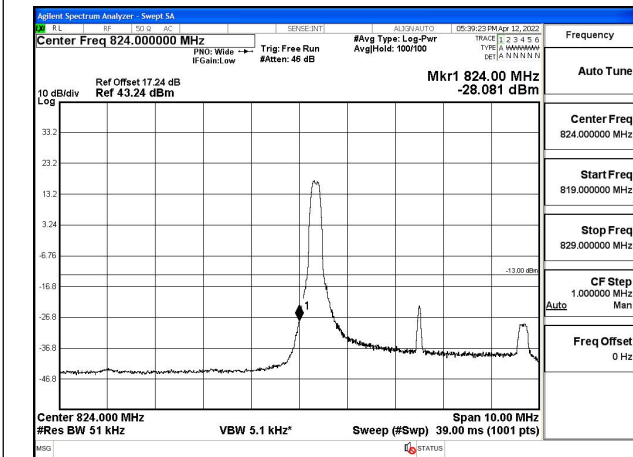


Fig.9

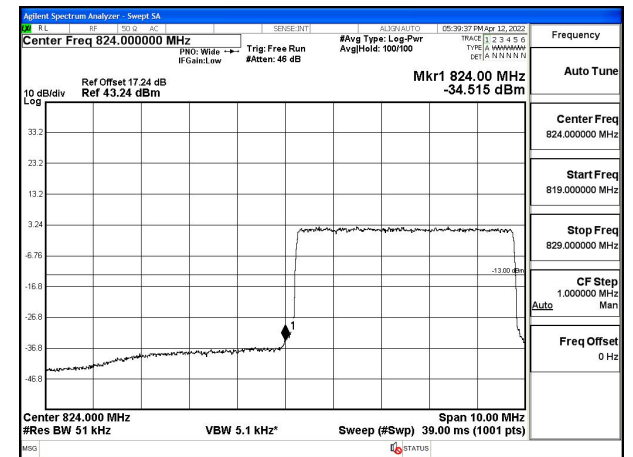


Fig.10

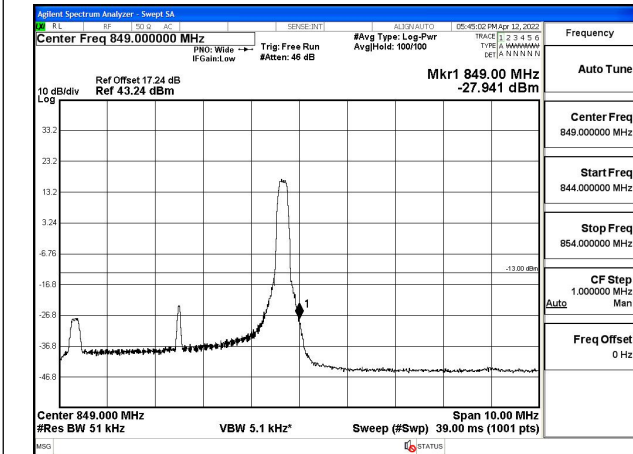


Fig.11

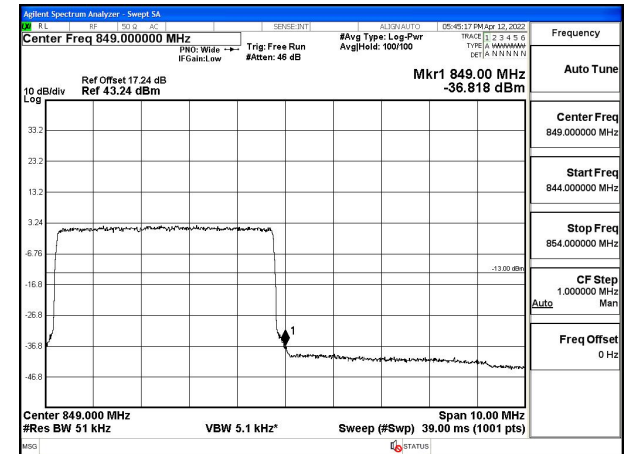


Fig.12

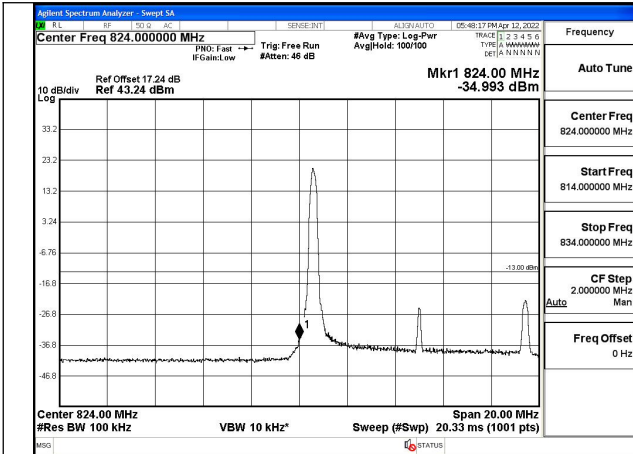


Fig.13

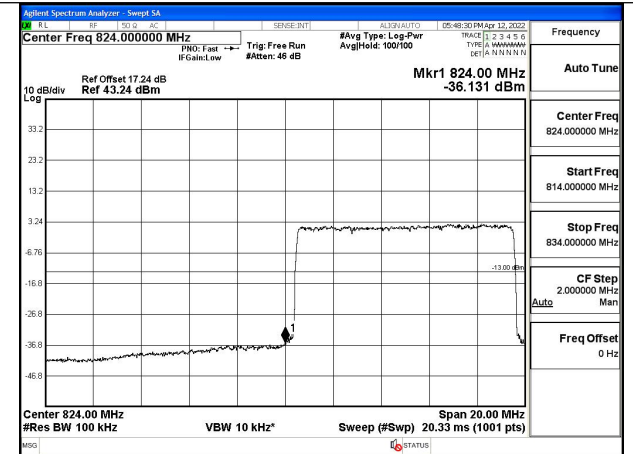


Fig.14

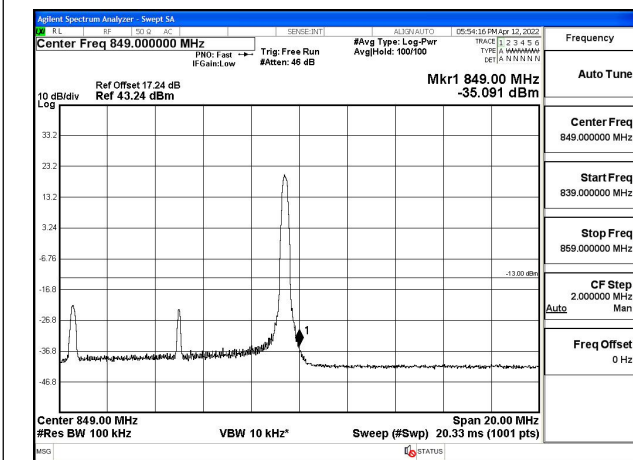


Fig.15

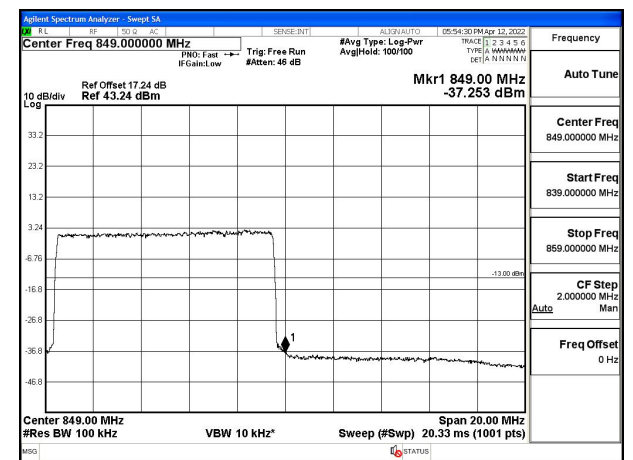


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		3M	5M	10M	10M
-20	NV	0.040	-0.035	-0.037	0.038
-10	NV	0.051	0.054	0.049	0.050
0	NV	0.030	0.045	0.044	-0.025
+10	NV	-0.010	-0.039	-0.048	-0.052
+20	NV	-0.056	-0.037	-0.051	-0.025
+30	NV	-0.015	-0.037	-0.028	-0.026
+40	NV	-0.013	-0.013	-0.002	-0.011
+50	NV	0.005	0.003	0.011	-0.017
+55	NV	-0.009	-0.057	-0.029	-0.022
+20	LV	-0.054	-0.017	-0.020	-0.054
+20	HV	-0.031	-0.055	-0.041	-0.035

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.027	-0.007	-0.004	-0.010
-10	NV	-0.005	0.006	0.010	-0.002
0	NV	0.010	0.011	-0.013	0.012
+10	NV	-0.008	-0.031	-0.041	-0.029
+20	NV	-0.036	-0.054	-0.034	-0.033
+30	NV	-0.033	-0.036	-0.056	-0.023
+40	NV	-0.038	-0.051	-0.037	-0.021
+50	NV	-0.021	-0.016	-0.005	-0.024
+55	NV	-0.055	-0.017	-0.058	-0.040
+20	LV	-0.026	-0.044	-0.052	-0.025
+20	HV	-0.049	-0.043	-0.013	-0.038



## 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	23.52	18.87	0.077
QPSK	824.7	20407	1.4	1	3	23.71	19.06	0.081
QPSK	824.7	20407	1.4	1	5	23.79	19.14	0.082
QPSK	824.7	20407	1.4	3	0	23.92	19.27	0.085
QPSK	824.7	20407	1.4	3	1	23.98	19.33	0.086
QPSK	824.7	20407	1.4	3	3	23.83	19.18	0.083
QPSK	824.7	20407	1.4	6	0	23.02	18.37	0.069
QPSK	836.5	20525	1.4	1	0	24.01	19.36	0.086
QPSK	836.5	20525	1.4	1	3	24.20	19.55	0.090
QPSK	836.5	20525	1.4	1	5	24.01	19.36	0.086
QPSK	836.5	20525	1.4	3	0	23.98	19.33	0.086
QPSK	836.5	20525	1.4	3	1	24.03	19.38	0.087
QPSK	836.5	20525	1.4	3	3	23.89	19.24	0.084
QPSK	836.5	20525	1.4	6	0	22.91	18.26	0.067
QPSK	848.3	20643	1.4	1	0	23.92	19.27	0.085
QPSK	848.3	20643	1.4	1	3	23.88	19.23	0.084
QPSK	848.3	20643	1.4	1	5	24.03	19.38	0.087
QPSK	848.3	20643	1.4	3	0	23.85	19.20	0.083
QPSK	848.3	20643	1.4	3	1	23.98	19.33	0.086
QPSK	848.3	20643	1.4	3	3	23.87	19.22	0.084
QPSK	848.3	20643	1.4	6	0	22.80	18.15	0.065

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	23.29	18.64	0.073
16QAM	824.7	20407	1.4	1	3	23.85	19.20	0.083
16QAM	824.7	20407	1.4	1	5	23.43	18.78	0.076
16QAM	824.7	20407	1.4	3	0	23.16	18.51	0.071
16QAM	824.7	20407	1.4	3	1	23.01	18.36	0.069
16QAM	824.7	20407	1.4	3	3	23.18	18.53	0.071
16QAM	824.7	20407	1.4	6	0	21.59	16.94	0.049
16QAM	836.5	20525	1.4	1	0	22.90	18.25	0.067
16QAM	836.5	20525	1.4	1	3	23.12	18.47	0.070
16QAM	836.5	20525	1.4	1	5	23.55	18.90	0.078
16QAM	836.5	20525	1.4	3	0	23.09	18.44	0.070
16QAM	836.5	20525	1.4	3	1	23.20	18.55	0.072
16QAM	836.5	20525	1.4	3	3	23.00	18.35	0.068
16QAM	836.5	20525	1.4	6	0	21.78	17.13	0.052
16QAM	848.3	20643	1.4	1	0	23.23	18.58	0.072
16QAM	848.3	20643	1.4	1	3	23.56	18.91	0.078
16QAM	848.3	20643	1.4	1	5	23.06	18.41	0.069
16QAM	848.3	20643	1.4	3	0	23.11	18.46	0.070
16QAM	848.3	20643	1.4	3	1	23.06	18.41	0.069
16QAM	848.3	20643	1.4	3	3	23.06	18.41	0.069
16QAM	848.3	20643	1.4	6	0	21.67	17.02	0.050
64QAM	824.7	20407	1.4	1	0	22.05	17.40	0.055
64QAM	824.7	20407	1.4	1	3	22.05	17.40	0.055
64QAM	824.7	20407	1.4	1	5	21.75	17.10	0.051
64QAM	824.7	20407	1.4	3	0	21.83	17.18	0.052
64QAM	824.7	20407	1.4	3	1	21.99	17.34	0.054
64QAM	824.7	20407	1.4	3	3	21.58	16.93	0.049
64QAM	824.7	20407	1.4	6	0	20.92	16.27	0.042
64QAM	836.5	20525	1.4	1	0	22.27	17.62	0.058
64QAM	836.5	20525	1.4	1	3	22.41	17.76	0.060
64QAM	836.5	20525	1.4	1	5	22.44	17.79	0.060
64QAM	836.5	20525	1.4	3	0	22.25	17.60	0.058
64QAM	836.5	20525	1.4	3	1	21.83	17.18	0.052
64QAM	836.5	20525	1.4	3	3	21.61	16.96	0.050
64QAM	836.5	20525	1.4	6	0	21.68	17.03	0.050
64QAM	848.3	20643	1.4	1	0	21.91	17.26	0.053
64QAM	848.3	20643	1.4	1	3	21.81	17.16	0.052
64QAM	848.3	20643	1.4	1	5	22.06	17.41	0.055
64QAM	848.3	20643	1.4	3	0	21.81	17.16	0.052
64QAM	848.3	20643	1.4	3	1	21.75	17.10	0.051
64QAM	848.3	20643	1.4	3	3	21.54	16.89	0.049
64QAM	848.3	20643	1.4	6	0	20.91	16.26	0.042

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	23.84	19.19	0.083
QPSK	825.5	20415	3	1	8	23.94	19.29	0.085
QPSK	825.5	20415	3	1	14	23.93	19.28	0.085
QPSK	825.5	20415	3	8	0	22.97	18.32	0.068
QPSK	825.5	20415	3	8	4	22.92	18.27	0.067
QPSK	825.5	20415	3	8	7	22.96	18.31	0.068
QPSK	825.5	20415	3	15	0	22.92	18.27	0.067
QPSK	836.5	20525	3	1	0	24.04	19.39	0.087
QPSK	836.5	20525	3	1	8	24.01	19.36	0.086
QPSK	836.5	20525	3	1	14	24.12	19.47	0.089
QPSK	836.5	20525	3	8	0	22.87	18.22	0.066
QPSK	836.5	20525	3	8	4	22.80	18.15	0.065
QPSK	836.5	20525	3	8	7	22.88	18.23	0.067
QPSK	836.5	20525	3	15	0	22.80	18.15	0.065
QPSK	847.5	20635	3	1	0	23.64	18.99	0.079
QPSK	847.5	20635	3	1	8	23.70	19.05	0.080
QPSK	847.5	20635	3	1	14	23.70	19.05	0.080
QPSK	847.5	20635	3	8	0	22.91	18.26	0.067
QPSK	847.5	20635	3	8	4	22.75	18.10	0.065
QPSK	847.5	20635	3	8	7	22.88	18.23	0.067
QPSK	847.5	20635	3	15	0	22.72	18.07	0.064

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	23.08	18.43	0.070
16QAM	825.5	20415	3	1	8	23.53	18.88	0.077
16QAM	825.5	20415	3	1	14	23.19	18.54	0.071
16QAM	825.5	20415	3	8	0	22.03	17.38	0.055
16QAM	825.5	20415	3	8	4	21.91	17.26	0.053
16QAM	825.5	20415	3	8	7	22.14	17.49	0.056
16QAM	825.5	20415	3	15	0	21.96	17.31	0.054
16QAM	836.5	20525	3	1	0	23.38	18.73	0.075
16QAM	836.5	20525	3	1	8	22.77	18.12	0.065
16QAM	836.5	20525	3	1	14	23.19	18.54	0.071
16QAM	836.5	20525	3	8	0	21.91	17.26	0.053
16QAM	836.5	20525	3	8	4	21.99	17.34	0.054
16QAM	836.5	20525	3	8	7	21.85	17.20	0.052
16QAM	836.5	20525	3	15	0	21.75	17.10	0.051
16QAM	847.5	20635	3	1	0	22.67	18.02	0.063
16QAM	847.5	20635	3	1	8	23.30	18.65	0.073
16QAM	847.5	20635	3	1	14	22.95	18.30	0.068
16QAM	847.5	20635	3	8	0	21.81	17.16	0.052
16QAM	847.5	20635	3	8	4	21.97	17.32	0.054
16QAM	847.5	20635	3	8	7	21.95	17.30	0.054
16QAM	847.5	20635	3	15	0	21.75	17.10	0.051
64QAM	825.5	20415	3	1	0	22.07	17.42	0.055
64QAM	825.5	20415	3	1	8	21.74	17.09	0.051
64QAM	825.5	20415	3	1	14	21.92	17.27	0.053
64QAM	825.5	20415	3	8	0	20.80	16.15	0.041
64QAM	825.5	20415	3	8	4	20.62	15.97	0.040
64QAM	825.5	20415	3	8	7	21.19	16.54	0.045
64QAM	825.5	20415	3	15	0	21.05	16.40	0.044
64QAM	836.5	20525	3	1	0	22.50	17.85	0.061
64QAM	836.5	20525	3	1	8	22.32	17.67	0.058
64QAM	836.5	20525	3	1	14	22.01	17.36	0.054
64QAM	836.5	20525	3	8	0	21.36	16.71	0.047
64QAM	836.5	20525	3	8	4	21.45	16.80	0.048
64QAM	836.5	20525	3	8	7	21.13	16.48	0.044
64QAM	836.5	20525	3	15	0	21.35	16.70	0.047
64QAM	847.5	20635	3	1	0	21.83	17.18	0.052
64QAM	847.5	20635	3	1	8	21.75	17.10	0.051
64QAM	847.5	20635	3	1	14	21.77	17.12	0.052
64QAM	847.5	20635	3	8	0	20.42	15.77	0.038
64QAM	847.5	20635	3	8	4	20.62	15.97	0.040
64QAM	847.5	20635	3	8	7	20.71	16.06	0.040
64QAM	847.5	20635	3	15	0	20.68	16.03	0.040

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	23.97	19.32	0.086
QPSK	826.5	20425	5	1	12	23.90	19.25	0.084
QPSK	826.5	20425	5	1	24	23.91	19.26	0.084
QPSK	826.5	20425	5	12	0	22.82	18.17	0.066
QPSK	826.5	20425	5	12	7	22.84	18.19	0.066
QPSK	826.5	20425	5	12	13	22.93	18.28	0.067
QPSK	826.5	20425	5	25	0	22.98	18.33	0.068
QPSK	836.5	20525	5	1	0	24.04	19.39	0.087
QPSK	836.5	20525	5	1	12	24.07	19.42	0.087
QPSK	836.5	20525	5	1	24	24.24	19.59	0.091
QPSK	836.5	20525	5	12	0	22.94	18.29	0.067
QPSK	836.5	20525	5	12	7	22.87	18.22	0.066
QPSK	836.5	20525	5	12	13	22.97	18.32	0.068
QPSK	836.5	20525	5	25	0	22.78	18.13	0.065
QPSK	846.5	20625	5	1	0	24.12	19.47	0.089
QPSK	846.5	20625	5	1	12	24.14	19.49	0.089
QPSK	846.5	20625	5	1	24	24.09	19.44	0.088
QPSK	846.5	20625	5	12	0	22.74	18.09	0.064
QPSK	846.5	20625	5	12	7	22.77	18.12	0.065
QPSK	846.5	20625	5	12	13	22.81	18.16	0.065
QPSK	846.5	20625	5	25	0	22.82	18.17	0.066

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	23.75	19.10	0.081
16QAM	826.5	20425	5	1	12	23.19	18.54	0.071
16QAM	826.5	20425	5	1	24	23.09	18.44	0.070
16QAM	826.5	20425	5	12	0	22.01	17.36	0.054
16QAM	826.5	20425	5	12	7	21.86	17.21	0.053
16QAM	826.5	20425	5	12	13	21.79	17.14	0.052
16QAM	826.5	20425	5	25	0	21.84	17.19	0.052
16QAM	836.5	20525	5	1	0	23.24	18.59	0.072
16QAM	836.5	20525	5	1	12	23.23	18.58	0.072
16QAM	836.5	20525	5	1	24	23.28	18.63	0.073
16QAM	836.5	20525	5	12	0	21.70	17.05	0.051
16QAM	836.5	20525	5	12	7	21.96	17.31	0.054
16QAM	836.5	20525	5	12	13	21.98	17.33	0.054
16QAM	836.5	20525	5	25	0	21.86	17.21	0.053
16QAM	846.5	20625	5	1	0	22.45	17.80	0.060
16QAM	846.5	20625	5	1	12	23.14	18.49	0.071
16QAM	846.5	20625	5	1	24	22.80	18.15	0.065
16QAM	846.5	20625	5	12	0	21.89	17.24	0.053
16QAM	846.5	20625	5	12	7	21.84	17.19	0.052
16QAM	846.5	20625	5	12	13	21.87	17.22	0.053
16QAM	846.5	20625	5	25	0	22.14	17.49	0.056
64QAM	826.5	20425	5	1	0	21.87	17.22	0.053
64QAM	826.5	20425	5	1	12	21.88	17.23	0.053
64QAM	826.5	20425	5	1	24	21.25	16.60	0.046
64QAM	826.5	20425	5	12	0	20.69	16.04	0.040
64QAM	826.5	20425	5	12	7	21.42	16.77	0.048
64QAM	826.5	20425	5	12	13	21.23	16.58	0.045
64QAM	826.5	20425	5	25	0	21.34	16.69	0.047
64QAM	836.5	20525	5	1	0	21.91	17.26	0.053
64QAM	836.5	20525	5	1	12	21.71	17.06	0.051
64QAM	836.5	20525	5	1	24	22.24	17.59	0.057
64QAM	836.5	20525	5	12	0	21.32	16.67	0.046
64QAM	836.5	20525	5	12	7	21.35	16.70	0.047
64QAM	836.5	20525	5	12	13	21.39	16.74	0.047
64QAM	836.5	20525	5	25	0	21.26	16.61	0.046
64QAM	846.5	20625	5	1	0	21.47	16.82	0.048
64QAM	846.5	20625	5	1	12	21.54	16.89	0.049
64QAM	846.5	20625	5	1	24	22.30	17.65	0.058
64QAM	846.5	20625	5	12	0	20.75	16.10	0.041
64QAM	846.5	20625	5	12	7	20.88	16.23	0.042
64QAM	846.5	20625	5	12	13	20.76	16.11	0.041
64QAM	846.5	20625	5	25	0	20.79	16.14	0.041

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	24.16	19.51	0.089
QPSK	829	20450	10	1	25	24.22	19.57	0.091
QPSK	829	20450	10	1	49	24.30	19.65	0.092
QPSK	829	20450	10	25	0	22.83	18.18	0.066
QPSK	829	20450	10	25	12	22.88	18.23	0.067
QPSK	829	20450	10	25	25	22.94	18.29	0.067
QPSK	829	20450	10	50	0	22.95	18.30	0.068
QPSK	836.5	20525	10	1	0	24.30	19.65	0.092
QPSK	836.5	20525	10	1	25	24.28	19.63	0.092
QPSK	836.5	20525	10	1	49	24.17	19.52	0.090
QPSK	836.5	20525	10	25	0	23.02	18.37	0.069
QPSK	836.5	20525	10	25	12	22.83	18.18	0.066
QPSK	836.5	20525	10	25	25	23.07	18.42	0.070
QPSK	836.5	20525	10	50	0	22.90	18.25	0.067
QPSK	844	20600	10	1	0	24.09	19.44	0.088
QPSK	844	20600	10	1	25	23.83	19.18	0.083
QPSK	844	20600	10	1	49	23.92	19.27	0.085
QPSK	844	20600	10	25	0	22.86	18.21	0.066
QPSK	844	20600	10	25	12	22.95	18.30	0.068
QPSK	844	20600	10	25	25	22.75	18.10	0.065
QPSK	844	20600	10	50	0	23.01	18.36	0.069

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	23.09	18.44	0.070
16QAM	829	20450	10	1	25	23.43	18.78	0.076
16QAM	829	20450	10	1	49	23.60	18.95	0.079
16QAM	829	20450	10	25	0	21.68	17.03	0.050
16QAM	829	20450	10	25	12	21.84	17.19	0.052
16QAM	829	20450	10	25	25	21.89	17.24	0.053
16QAM	829	20450	10	50	0	21.90	17.25	0.053
16QAM	836.5	20525	10	1	0	23.63	18.98	0.079
16QAM	836.5	20525	10	1	25	23.81	19.16	0.082
16QAM	836.5	20525	10	1	49	23.20	18.55	0.072
16QAM	836.5	20525	10	25	0	22.07	17.42	0.055
16QAM	836.5	20525	10	25	12	22.17	17.52	0.056
16QAM	836.5	20525	10	25	25	22.14	17.49	0.056
16QAM	836.5	20525	10	50	0	21.89	17.24	0.053
16QAM	844	20600	10	1	0	23.86	19.21	0.083
16QAM	844	20600	10	1	25	23.30	18.65	0.073
16QAM	844	20600	10	1	49	23.10	18.45	0.070
16QAM	844	20600	10	25	0	21.93	17.28	0.053
16QAM	844	20600	10	25	12	21.80	17.15	0.052
16QAM	844	20600	10	25	25	21.83	17.18	0.052
16QAM	844	20600	10	50	0	21.82	17.17	0.052
64QAM	829	20450	10	1	0	21.75	17.10	0.051
64QAM	829	20450	10	1	25	21.89	17.24	0.053
64QAM	829	20450	10	1	49	21.95	17.30	0.054
64QAM	829	20450	10	25	0	21.39	16.74	0.047
64QAM	829	20450	10	25	12	21.36	16.71	0.047
64QAM	829	20450	10	25	25	21.04	16.39	0.044
64QAM	829	20450	10	50	0	21.45	16.80	0.048
64QAM	836.5	20525	10	1	0	22.52	17.87	0.061
64QAM	836.5	20525	10	1	25	22.33	17.68	0.059
64QAM	836.5	20525	10	1	49	22.50	17.85	0.061
64QAM	836.5	20525	10	25	0	21.37	16.72	0.047
64QAM	836.5	20525	10	25	12	21.51	16.86	0.049
64QAM	836.5	20525	10	25	25	21.41	16.76	0.047
64QAM	836.5	20525	10	50	0	21.41	16.76	0.047
64QAM	844	20600	10	1	0	21.75	17.10	0.051
64QAM	844	20600	10	1	25	22.21	17.56	0.057
64QAM	844	20600	10	1	49	21.72	17.07	0.051
64QAM	844	20600	10	25	0	21.02	16.37	0.043
64QAM	844	20600	10	25	12	21.32	16.67	0.046
64QAM	844	20600	10	25	25	20.60	15.95	0.039
64QAM	844	20600	10	50	0	21.50	16.85	0.048