

Fig.61

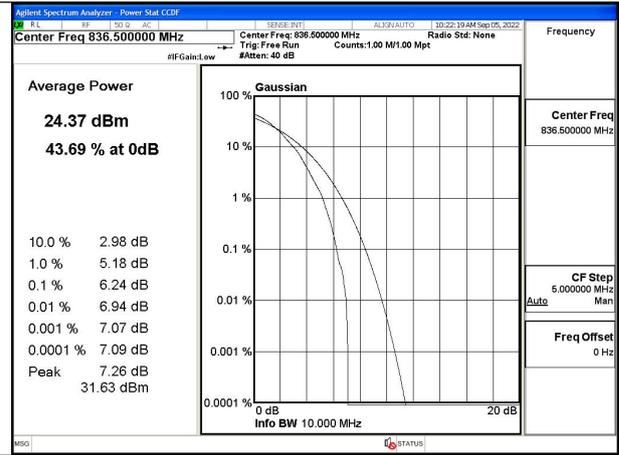


Fig.62

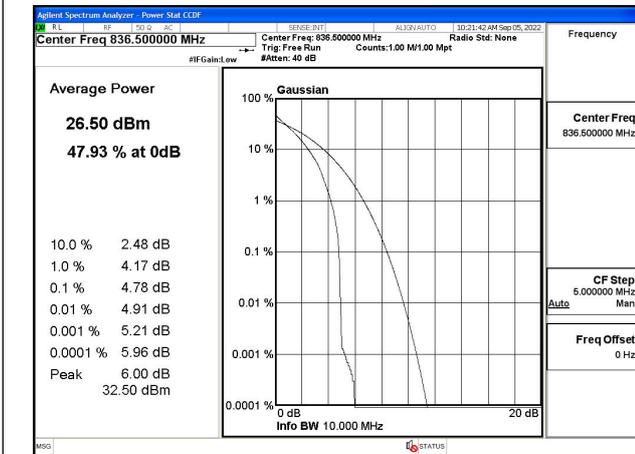


Fig.63

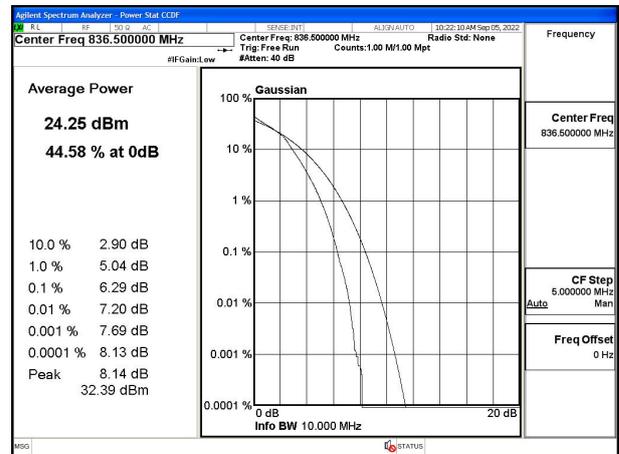


Fig.64

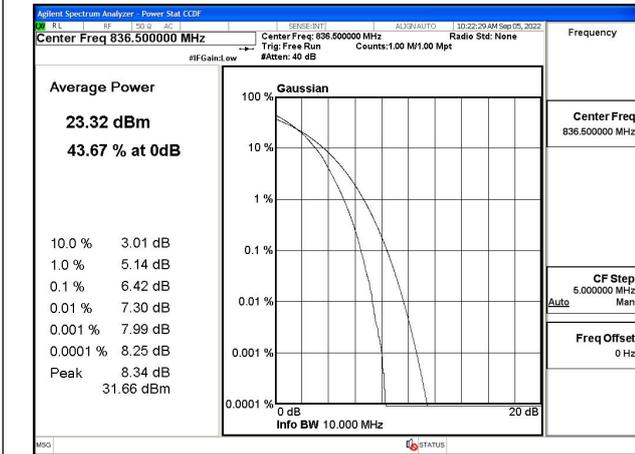


Fig.65

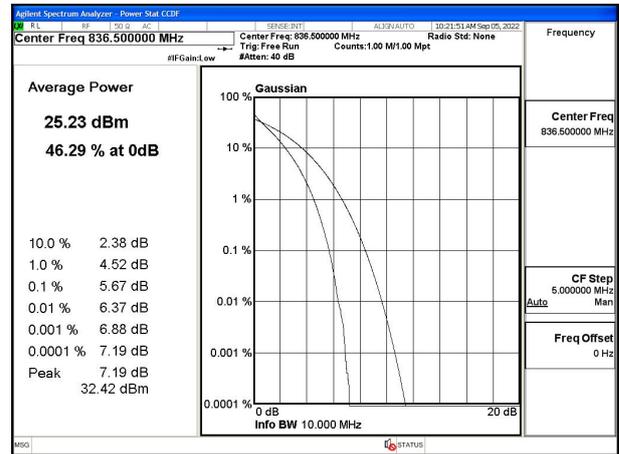


Fig.66

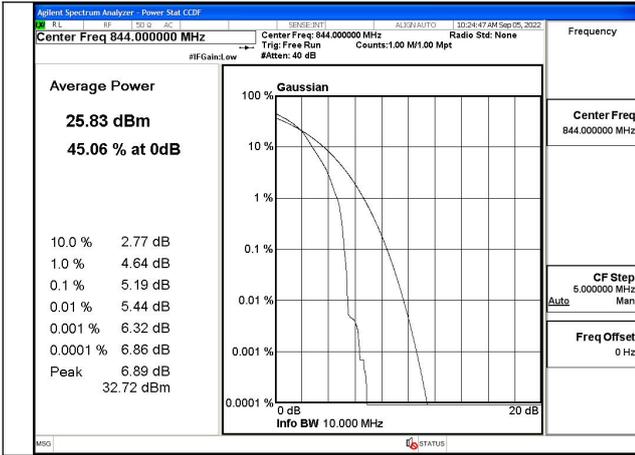


Fig.67

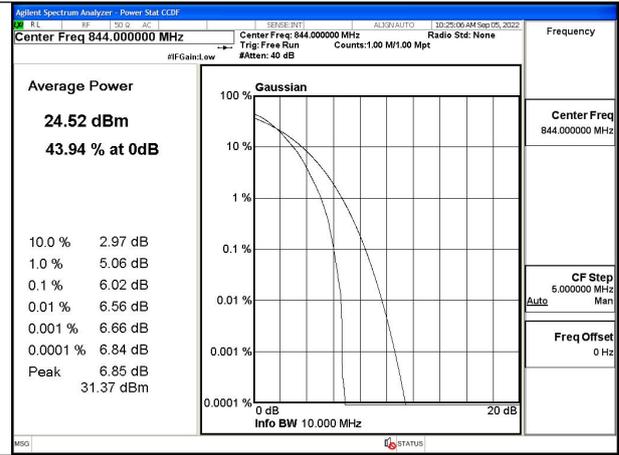


Fig.68

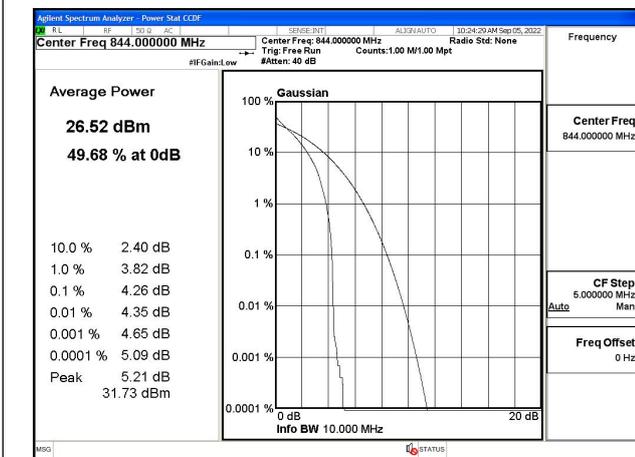


Fig.69

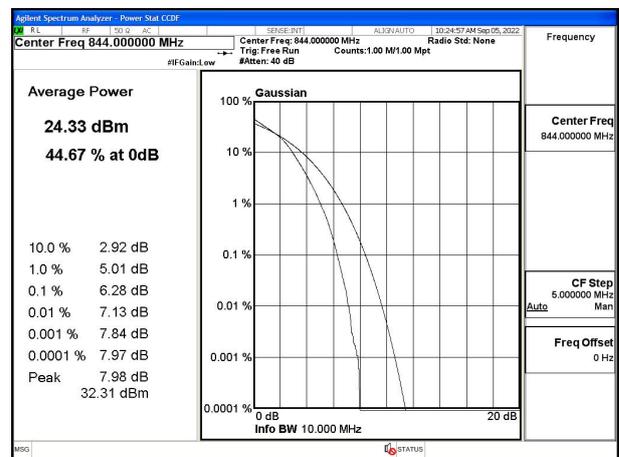


Fig.70

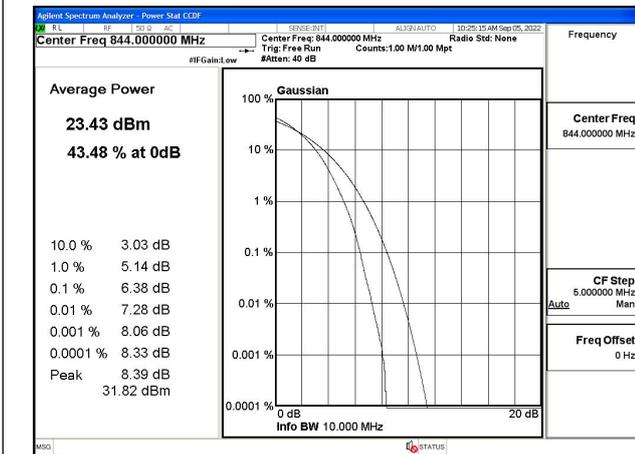


Fig.71

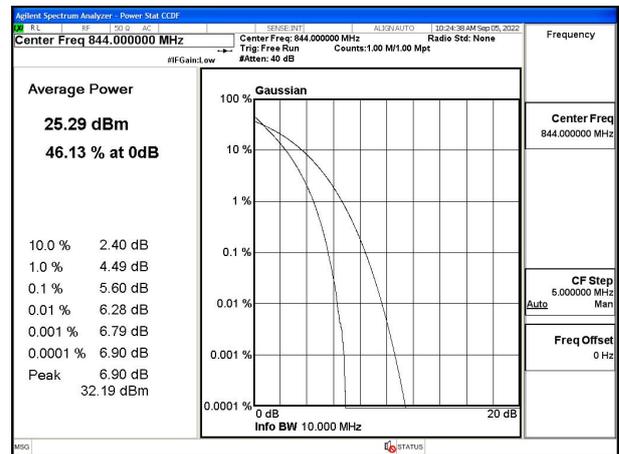


Fig.72

**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

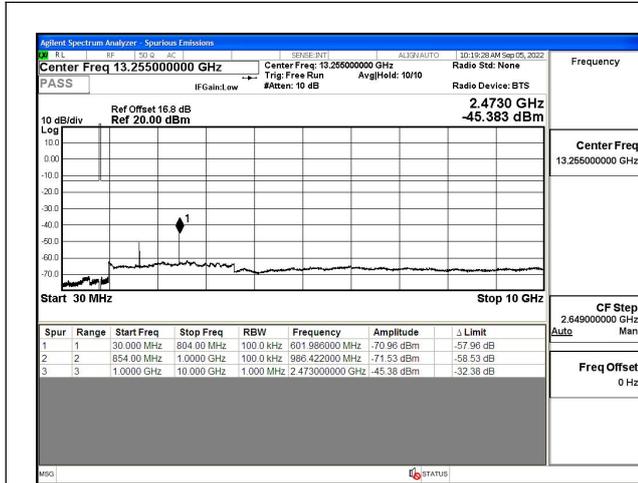


Fig.1

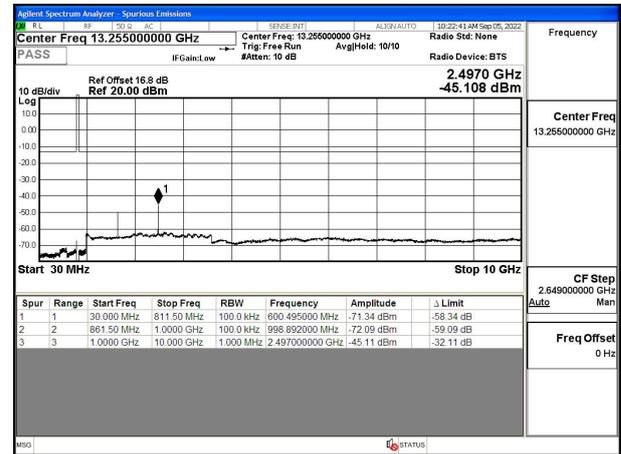


Fig.2

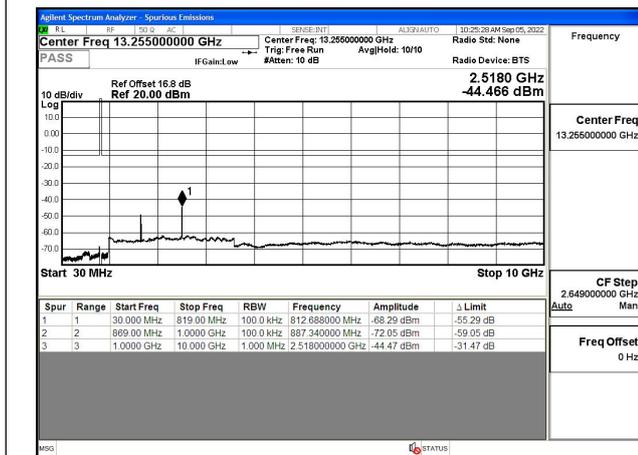


Fig.3

**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

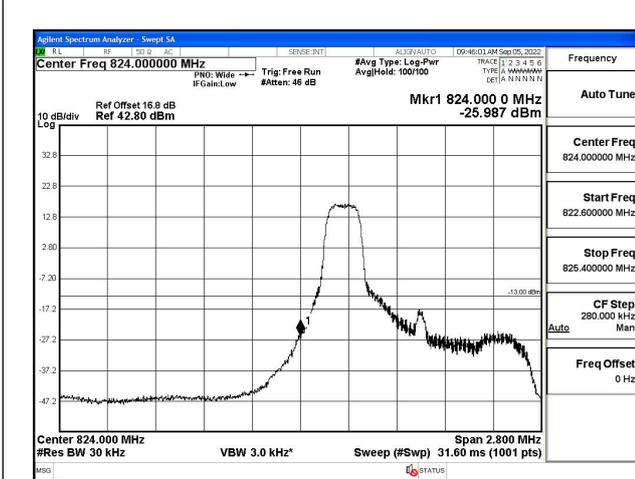


Fig.1

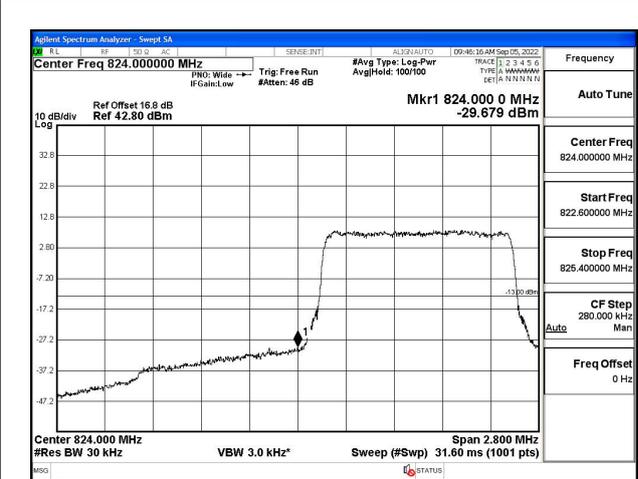


Fig.2

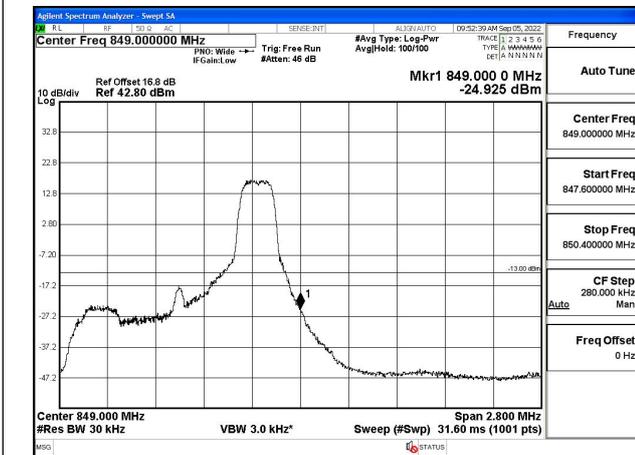


Fig.3

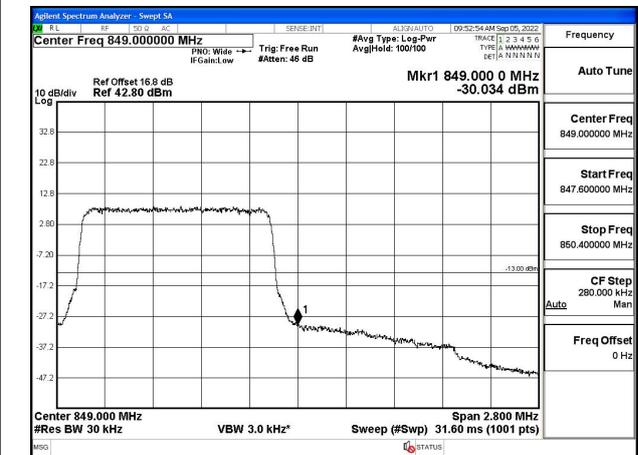


Fig.4

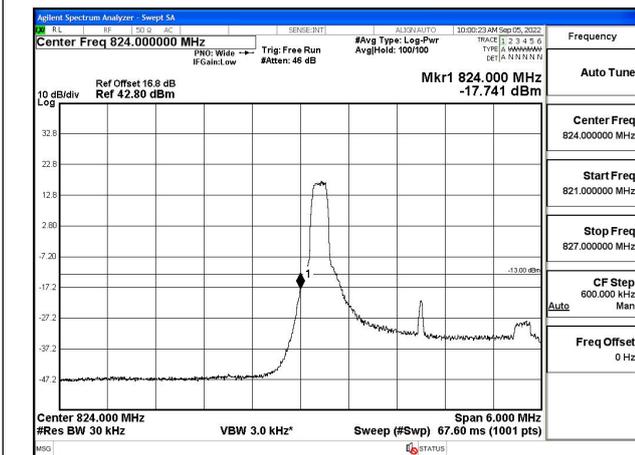


Fig.5

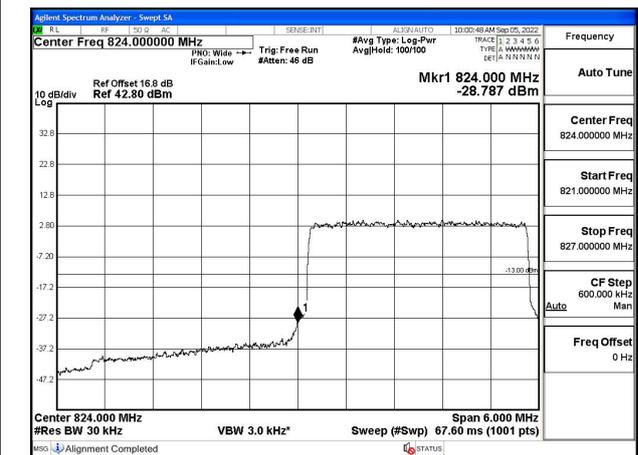


Fig.6

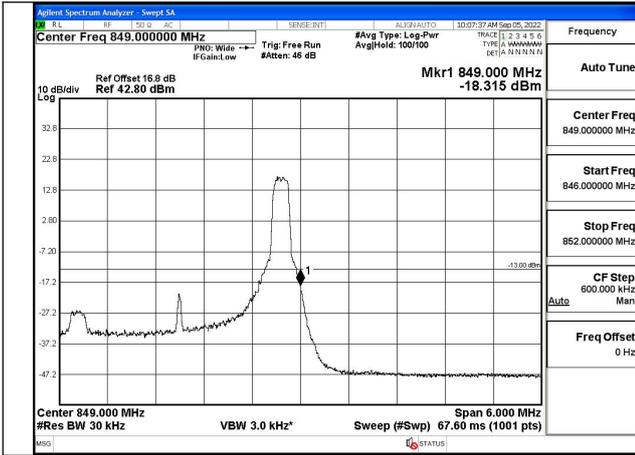


Fig.7

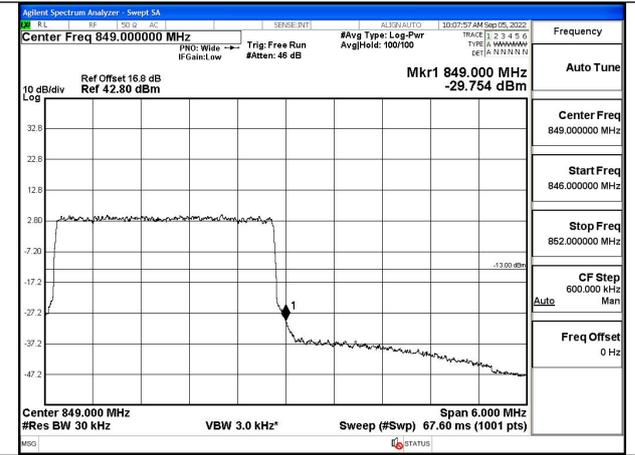


Fig.8

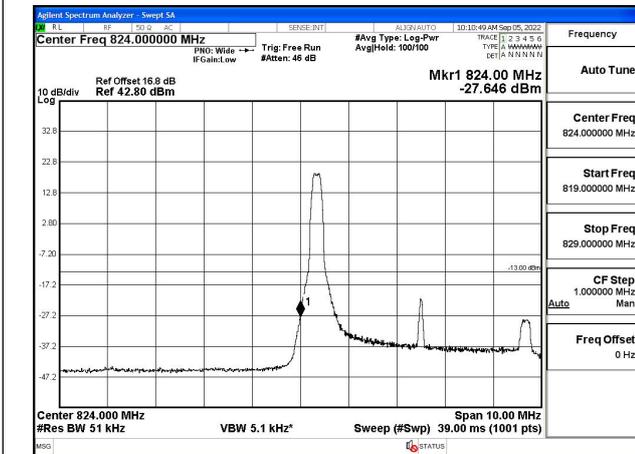


Fig.9

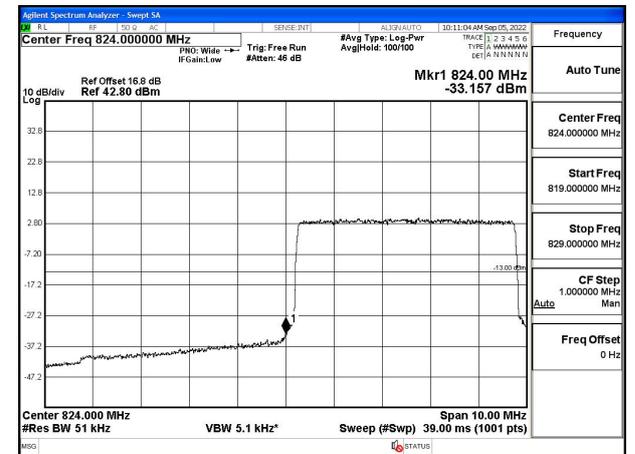


Fig.10

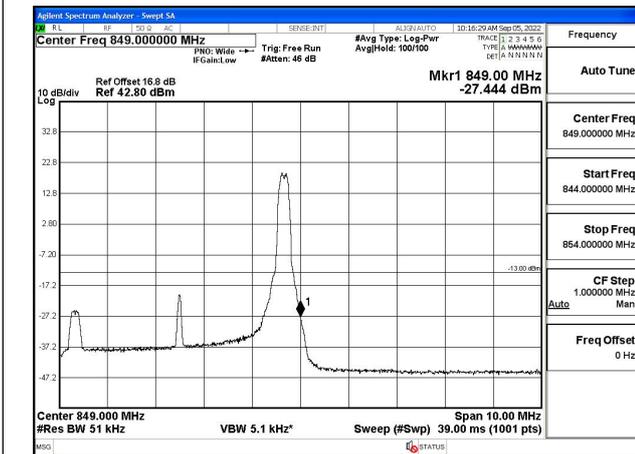


Fig.11

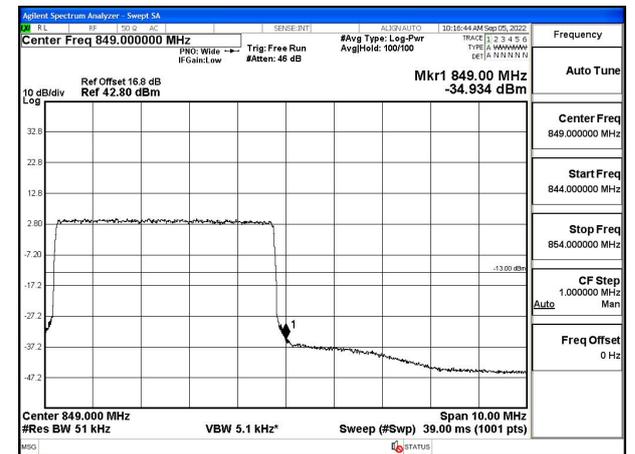


Fig.12

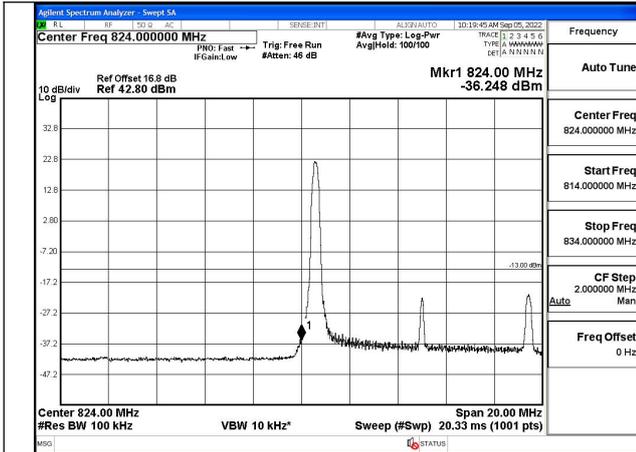


Fig. 13

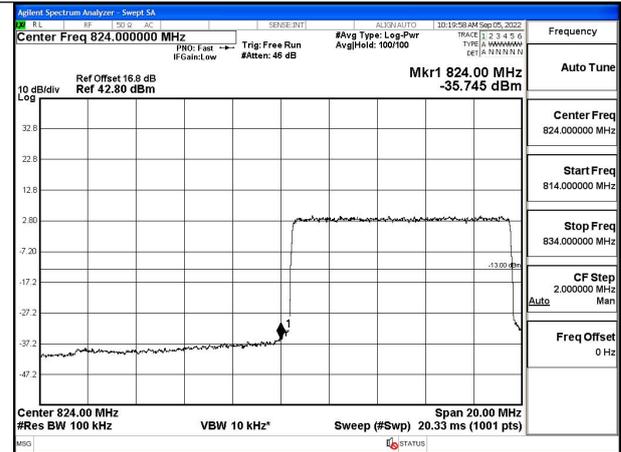


Fig. 14

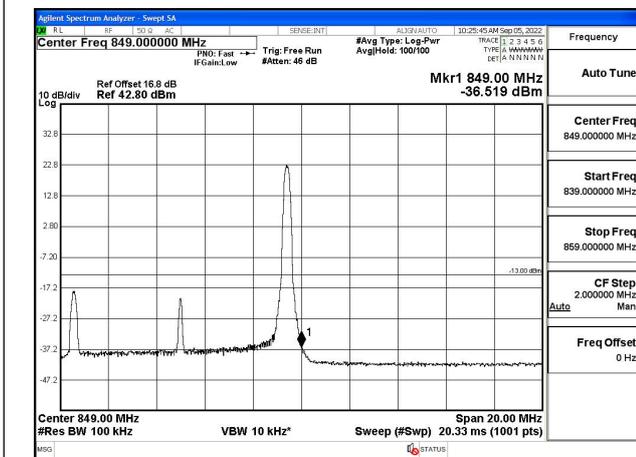


Fig. 15

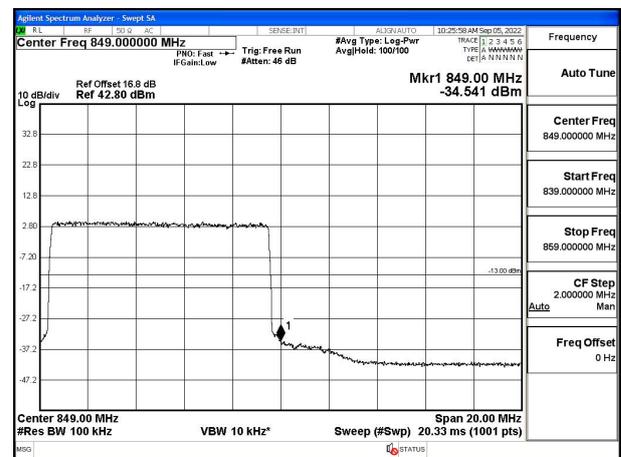


Fig. 16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.010	0.010	0.007	0.004
0	NV	-0.016	0.012	-0.015	-0.038
+10	NV	0.015	0.011	0.008	-0.003
+20	NV	0.008	0.003	0.012	-0.003
+30	NV	0.003	0.031	0.013	0.008
+40	NV	0.015	-0.001	0.004	0.003
+50	NV	-0.001	-0.034	0.013	0.004
+55	NV	0.006	0.004	-0.010	-0.051
+20	LV	-0.007	0.005	0.027	-0.003
+20	HV	0.003	0.006	0.006	-0.007

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.021	-0.005	-0.012	-0.010
0	NV	-0.024	-0.026	-0.028	-0.026
+10	NV	-0.015	-0.028	-0.006	-0.008
+20	NV	-0.029	-0.030	-0.003	-0.010
+30	NV	-0.054	0.004	-0.011	0.006
+40	NV	-0.021	-0.013	-0.020	-0.008
+50	NV	-0.013	0.013	-0.008	-0.011
+55	NV	-0.017	-0.013	-0.008	0.026
+20	LV	-0.018	-0.054	0.004	-0.007
+20	HV	-0.024	-0.023	-0.011	-0.022

## 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	25.68	19.23	0.084
QPSK	824.7	20407	1.4	1	3	25.89	19.44	0.088
QPSK	824.7	20407	1.4	1	5	25.67	19.22	0.084
QPSK	824.7	20407	1.4	3	0	25.90	19.45	0.088
QPSK	824.7	20407	1.4	3	1	25.97	19.52	0.090
QPSK	824.7	20407	1.4	3	3	25.90	19.45	0.088
QPSK	824.7	20407	1.4	6	0	24.93	18.48	0.070
QPSK	836.5	20525	1.4	1	0	25.84	19.39	0.087
QPSK	836.5	20525	1.4	1	3	25.82	19.37	0.086
QPSK	836.5	20525	1.4	1	5	25.81	19.36	0.086
QPSK	836.5	20525	1.4	3	0	25.83	19.38	0.087
QPSK	836.5	20525	1.4	3	1	25.84	19.39	0.087
QPSK	836.5	20525	1.4	3	3	25.84	19.39	0.087
QPSK	836.5	20525	1.4	6	0	24.83	18.38	0.069
QPSK	848.3	20643	1.4	1	0	25.89	19.44	0.088
QPSK	848.3	20643	1.4	1	3	25.89	19.44	0.088
QPSK	848.3	20643	1.4	1	5	25.92	19.47	0.089
QPSK	848.3	20643	1.4	3	0	25.88	19.43	0.088
QPSK	848.3	20643	1.4	3	1	25.88	19.43	0.088
QPSK	848.3	20643	1.4	3	3	25.91	19.46	0.088
QPSK	848.3	20643	1.4	6	0	24.87	18.42	0.070

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	25.32	18.87	0.077
16QAM	824.7	20407	1.4	1	3	24.83	18.38	0.069
16QAM	824.7	20407	1.4	1	5	25.13	18.68	0.074
16QAM	824.7	20407	1.4	3	0	25.22	18.77	0.075
16QAM	824.7	20407	1.4	3	1	25.17	18.72	0.074
16QAM	824.7	20407	1.4	3	3	25.24	18.79	0.076
16QAM	824.7	20407	1.4	6	0	23.80	17.35	0.054
16QAM	836.5	20525	1.4	1	0	25.68	19.23	0.084
16QAM	836.5	20525	1.4	1	3	25.66	19.21	0.083
16QAM	836.5	20525	1.4	1	5	25.73	19.28	0.085
16QAM	836.5	20525	1.4	3	0	25.32	18.87	0.077
16QAM	836.5	20525	1.4	3	1	25.38	18.93	0.078
16QAM	836.5	20525	1.4	3	3	25.27	18.82	0.076
16QAM	836.5	20525	1.4	6	0	23.70	17.25	0.053
16QAM	848.3	20643	1.4	1	0	24.71	18.26	0.067
16QAM	848.3	20643	1.4	1	3	24.96	18.51	0.071
16QAM	848.3	20643	1.4	1	5	25.05	18.60	0.072
16QAM	848.3	20643	1.4	3	0	25.21	18.76	0.075
16QAM	848.3	20643	1.4	3	1	24.99	18.54	0.071
16QAM	848.3	20643	1.4	3	3	24.94	18.49	0.071
16QAM	848.3	20643	1.4	6	0	23.70	17.25	0.053
64QAM	824.7	20407	1.4	1	0	24.48	18.03	0.064
64QAM	824.7	20407	1.4	1	3	24.66	18.21	0.066
64QAM	824.7	20407	1.4	1	5	24.38	17.93	0.062
64QAM	824.7	20407	1.4	3	0	24.08	17.63	0.058
64QAM	824.7	20407	1.4	3	1	23.91	17.46	0.056
64QAM	824.7	20407	1.4	3	3	23.76	17.31	0.054
64QAM	824.7	20407	1.4	6	0	22.81	16.36	0.043
64QAM	836.5	20525	1.4	1	0	24.36	17.91	0.062
64QAM	836.5	20525	1.4	1	3	23.67	17.22	0.053
64QAM	836.5	20525	1.4	1	5	24.27	17.82	0.061
64QAM	836.5	20525	1.4	3	0	23.93	17.48	0.056
64QAM	836.5	20525	1.4	3	1	23.70	17.25	0.053
64QAM	836.5	20525	1.4	3	3	23.98	17.53	0.057
64QAM	836.5	20525	1.4	6	0	22.82	16.37	0.043
64QAM	848.3	20643	1.4	1	0	23.93	17.48	0.056
64QAM	848.3	20643	1.4	1	3	24.01	17.56	0.057
64QAM	848.3	20643	1.4	1	5	23.59	17.14	0.052
64QAM	848.3	20643	1.4	3	0	23.99	17.54	0.057
64QAM	848.3	20643	1.4	3	1	23.83	17.38	0.055
64QAM	848.3	20643	1.4	3	3	23.60	17.15	0.052
64QAM	848.3	20643	1.4	6	0	23.11	16.66	0.046

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	26.13	19.68	0.093
QPSK	825.5	20415	3	1	8	26.22	19.77	0.095
QPSK	825.5	20415	3	1	14	26.10	19.65	0.092
QPSK	825.5	20415	3	8	0	24.86	18.41	0.069
QPSK	825.5	20415	3	8	4	24.84	18.39	0.069
QPSK	825.5	20415	3	8	7	24.83	18.38	0.069
QPSK	825.5	20415	3	15	0	24.79	18.34	0.068
QPSK	836.5	20525	3	1	0	25.92	19.47	0.089
QPSK	836.5	20525	3	1	8	25.83	19.38	0.087
QPSK	836.5	20525	3	1	14	25.85	19.40	0.087
QPSK	836.5	20525	3	8	0	24.99	18.54	0.071
QPSK	836.5	20525	3	8	4	24.90	18.45	0.070
QPSK	836.5	20525	3	8	7	24.87	18.42	0.070
QPSK	836.5	20525	3	15	0	24.89	18.44	0.070
QPSK	847.5	20635	3	1	0	26.14	19.69	0.093
QPSK	847.5	20635	3	1	8	25.92	19.47	0.089
QPSK	847.5	20635	3	1	14	25.92	19.47	0.089
QPSK	847.5	20635	3	8	0	24.92	18.47	0.070
QPSK	847.5	20635	3	8	4	24.83	18.38	0.069
QPSK	847.5	20635	3	8	7	24.73	18.28	0.067
QPSK	847.5	20635	3	15	0	24.91	18.46	0.070

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	25.25	18.80	0.076
16QAM	825.5	20415	3	1	8	25.01	18.56	0.072
16QAM	825.5	20415	3	1	14	25.47	19.02	0.080
16QAM	825.5	20415	3	8	0	24.15	17.70	0.059
16QAM	825.5	20415	3	8	4	24.00	17.55	0.057
16QAM	825.5	20415	3	8	7	24.05	17.60	0.058
16QAM	825.5	20415	3	15	0	24.02	17.57	0.057
16QAM	836.5	20525	3	1	0	25.16	18.71	0.074
16QAM	836.5	20525	3	1	8	25.40	18.95	0.079
16QAM	836.5	20525	3	1	14	25.25	18.80	0.076
16QAM	836.5	20525	3	8	0	24.07	17.62	0.058
16QAM	836.5	20525	3	8	4	24.12	17.67	0.058
16QAM	836.5	20525	3	8	7	24.08	17.63	0.058
16QAM	836.5	20525	3	15	0	23.98	17.53	0.057
16QAM	847.5	20635	3	1	0	24.91	18.46	0.070
16QAM	847.5	20635	3	1	8	25.18	18.73	0.075
16QAM	847.5	20635	3	1	14	24.48	18.03	0.064
16QAM	847.5	20635	3	8	0	24.00	17.55	0.057
16QAM	847.5	20635	3	8	4	23.97	17.52	0.056
16QAM	847.5	20635	3	8	7	24.04	17.59	0.057
16QAM	847.5	20635	3	15	0	24.05	17.60	0.058
64QAM	825.5	20415	3	1	0	23.82	17.37	0.055
64QAM	825.5	20415	3	1	8	23.60	17.15	0.052
64QAM	825.5	20415	3	1	14	23.81	17.36	0.054
64QAM	825.5	20415	3	8	0	23.00	16.55	0.045
64QAM	825.5	20415	3	8	4	22.93	16.48	0.044
64QAM	825.5	20415	3	8	7	22.83	16.38	0.043
64QAM	825.5	20415	3	15	0	22.89	16.44	0.044
64QAM	836.5	20525	3	1	0	24.42	17.97	0.063
64QAM	836.5	20525	3	1	8	24.88	18.43	0.070
64QAM	836.5	20525	3	1	14	24.61	18.16	0.065
64QAM	836.5	20525	3	8	0	22.88	16.43	0.044
64QAM	836.5	20525	3	8	4	23.06	16.61	0.046
64QAM	836.5	20525	3	8	7	23.00	16.55	0.045
64QAM	836.5	20525	3	15	0	23.11	16.66	0.046
64QAM	847.5	20635	3	1	0	23.66	17.21	0.053
64QAM	847.5	20635	3	1	8	23.99	17.54	0.057
64QAM	847.5	20635	3	1	14	24.12	17.67	0.058
64QAM	847.5	20635	3	8	0	22.75	16.30	0.043
64QAM	847.5	20635	3	8	4	23.06	16.61	0.046
64QAM	847.5	20635	3	8	7	22.75	16.30	0.043
64QAM	847.5	20635	3	15	0	23.08	16.63	0.046

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	25.79	19.34	0.086
QPSK	826.5	20425	5	1	12	25.81	19.36	0.086
QPSK	826.5	20425	5	1	24	25.75	19.30	0.085
QPSK	826.5	20425	5	12	0	24.70	18.25	0.067
QPSK	826.5	20425	5	12	7	24.88	18.43	0.070
QPSK	826.5	20425	5	12	13	24.91	18.46	0.070
QPSK	826.5	20425	5	25	0	24.79	18.34	0.068
QPSK	836.5	20525	5	1	0	25.85	19.40	0.087
QPSK	836.5	20525	5	1	12	25.90	19.45	0.088
QPSK	836.5	20525	5	1	24	25.89	19.44	0.088
QPSK	836.5	20525	5	12	0	24.99	18.54	0.071
QPSK	836.5	20525	5	12	7	24.96	18.51	0.071
QPSK	836.5	20525	5	12	13	24.70	18.25	0.067
QPSK	836.5	20525	5	25	0	24.84	18.39	0.069
QPSK	846.5	20625	5	1	0	26.18	19.73	0.094
QPSK	846.5	20625	5	1	12	25.84	19.39	0.087
QPSK	846.5	20625	5	1	24	26.03	19.58	0.091
QPSK	846.5	20625	5	12	0	24.88	18.43	0.070
QPSK	846.5	20625	5	12	7	24.97	18.52	0.071
QPSK	846.5	20625	5	12	13	24.93	18.48	0.070
QPSK	846.5	20625	5	25	0	24.73	18.28	0.067

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	25.71	19.26	0.084
16QAM	826.5	20425	5	1	12	25.29	18.84	0.077
16QAM	826.5	20425	5	1	24	25.50	19.05	0.080
16QAM	826.5	20425	5	12	0	23.94	17.49	0.056
16QAM	826.5	20425	5	12	7	23.96	17.51	0.056
16QAM	826.5	20425	5	12	13	23.97	17.52	0.056
16QAM	826.5	20425	5	25	0	23.82	17.37	0.055
16QAM	836.5	20525	5	1	0	25.23	18.78	0.076
16QAM	836.5	20525	5	1	12	25.10	18.65	0.073
16QAM	836.5	20525	5	1	24	25.11	18.66	0.073
16QAM	836.5	20525	5	12	0	24.03	17.58	0.057
16QAM	836.5	20525	5	12	7	24.03	17.58	0.057
16QAM	836.5	20525	5	12	13	24.05	17.60	0.058
16QAM	836.5	20525	5	25	0	23.78	17.33	0.054
16QAM	846.5	20625	5	1	0	25.34	18.89	0.077
16QAM	846.5	20625	5	1	12	25.59	19.14	0.082
16QAM	846.5	20625	5	1	24	25.45	19.00	0.079
16QAM	846.5	20625	5	12	0	23.95	17.50	0.056
16QAM	846.5	20625	5	12	7	23.95	17.50	0.056
16QAM	846.5	20625	5	12	13	24.01	17.56	0.057
16QAM	846.5	20625	5	25	0	23.86	17.41	0.055
64QAM	826.5	20425	5	1	0	24.41	17.96	0.063
64QAM	826.5	20425	5	1	12	23.76	17.31	0.054
64QAM	826.5	20425	5	1	24	23.81	17.36	0.054
64QAM	826.5	20425	5	12	0	23.16	16.71	0.047
64QAM	826.5	20425	5	12	7	22.99	16.54	0.045
64QAM	826.5	20425	5	12	13	22.82	16.37	0.043
64QAM	826.5	20425	5	25	0	22.70	16.25	0.042
64QAM	836.5	20525	5	1	0	24.08	17.63	0.058
64QAM	836.5	20525	5	1	12	24.11	17.66	0.058
64QAM	836.5	20525	5	1	24	23.62	17.17	0.052
64QAM	836.5	20525	5	12	0	23.06	16.61	0.046
64QAM	836.5	20525	5	12	7	23.38	16.93	0.049
64QAM	836.5	20525	5	12	13	22.93	16.48	0.044
64QAM	836.5	20525	5	25	0	22.77	16.32	0.043
64QAM	846.5	20625	5	1	0	24.42	17.97	0.063
64QAM	846.5	20625	5	1	12	23.80	17.35	0.054
64QAM	846.5	20625	5	1	24	23.40	16.95	0.050
64QAM	846.5	20625	5	12	0	22.98	16.53	0.045
64QAM	846.5	20625	5	12	7	23.00	16.55	0.045
64QAM	846.5	20625	5	12	13	23.01	16.56	0.045
64QAM	846.5	20625	5	25	0	22.79	16.34	0.043

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	26.14	19.69	0.093
QPSK	829	20450	10	1	25	26.15	19.70	0.093
QPSK	829	20450	10	1	49	26.10	19.65	0.092
QPSK	829	20450	10	25	0	24.95	18.50	0.071
QPSK	829	20450	10	25	12	24.92	18.47	0.070
QPSK	829	20450	10	25	25	24.88	18.43	0.070
QPSK	829	20450	10	50	0	24.82	18.37	0.069
QPSK	836.5	20525	10	1	0	26.11	19.66	0.092
QPSK	836.5	20525	10	1	25	26.09	19.64	0.092
QPSK	836.5	20525	10	1	49	26.27	19.82	0.096
QPSK	836.5	20525	10	25	0	24.84	18.39	0.069
QPSK	836.5	20525	10	25	12	24.88	18.43	0.070
QPSK	836.5	20525	10	25	25	24.76	18.31	0.068
QPSK	836.5	20525	10	50	0	24.84	18.39	0.069
QPSK	844	20600	10	1	0	26.02	19.57	0.091
QPSK	844	20600	10	1	25	26.12	19.67	0.093
QPSK	844	20600	10	1	49	25.90	19.45	0.088
QPSK	844	20600	10	25	0	25.00	18.55	0.072
QPSK	844	20600	10	25	12	24.99	18.54	0.071
QPSK	844	20600	10	25	25	24.91	18.46	0.070
QPSK	844	20600	10	50	0	24.81	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	25.67	19.22	0.084
16QAM	829	20450	10	1	25	25.04	18.59	0.072
16QAM	829	20450	10	1	49	25.19	18.74	0.075
16QAM	829	20450	10	25	0	24.16	17.71	0.059
16QAM	829	20450	10	25	12	24.07	17.62	0.058
16QAM	829	20450	10	25	25	24.33	17.88	0.061
16QAM	829	20450	10	50	0	23.85	17.40	0.055
16QAM	836.5	20525	10	1	0	25.27	18.82	0.076
16QAM	836.5	20525	10	1	25	25.22	18.77	0.075
16QAM	836.5	20525	10	1	49	25.26	18.81	0.076
16QAM	836.5	20525	10	25	0	24.00	17.55	0.057
16QAM	836.5	20525	10	25	12	23.89	17.44	0.055
16QAM	836.5	20525	10	25	25	23.95	17.50	0.056
16QAM	836.5	20525	10	50	0	24.01	17.56	0.057
16QAM	844	20600	10	1	0	25.51	19.06	0.081
16QAM	844	20600	10	1	25	25.63	19.18	0.083
16QAM	844	20600	10	1	49	25.25	18.80	0.076
16QAM	844	20600	10	25	0	23.89	17.44	0.055
16QAM	844	20600	10	25	12	24.14	17.69	0.059
16QAM	844	20600	10	25	25	24.42	17.97	0.063
16QAM	844	20600	10	50	0	23.91	17.46	0.056
64QAM	829	20450	10	1	0	24.30	17.85	0.061
64QAM	829	20450	10	1	25	24.02	17.57	0.057
64QAM	829	20450	10	1	49	24.29	17.84	0.061
64QAM	829	20450	10	25	0	23.08	16.63	0.046
64QAM	829	20450	10	25	12	22.82	16.37	0.043
64QAM	829	20450	10	25	25	23.31	16.86	0.049
64QAM	829	20450	10	50	0	22.87	16.42	0.044
64QAM	836.5	20525	10	1	0	23.79	17.34	0.054
64QAM	836.5	20525	10	1	25	23.76	17.31	0.054
64QAM	836.5	20525	10	1	49	23.93	17.48	0.056
64QAM	836.5	20525	10	25	0	22.87	16.42	0.044
64QAM	836.5	20525	10	25	12	23.01	16.56	0.045
64QAM	836.5	20525	10	25	25	23.17	16.72	0.047
64QAM	836.5	20525	10	50	0	22.68	16.23	0.042
64QAM	844	20600	10	1	0	24.54	18.09	0.064
64QAM	844	20600	10	1	25	24.00	17.55	0.057
64QAM	844	20600	10	1	49	24.35	17.90	0.062
64QAM	844	20600	10	25	0	23.01	16.56	0.045
64QAM	844	20600	10	25	12	23.16	16.71	0.047
64QAM	844	20600	10	25	25	23.26	16.81	0.048
64QAM	844	20600	10	50	0	22.85	16.40	0.044