

Fig.61

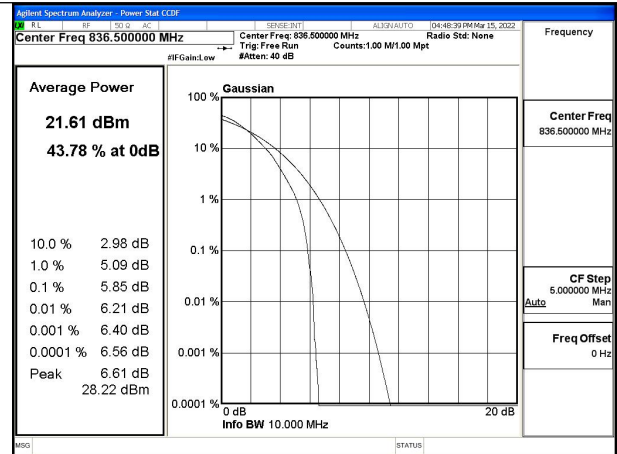


Fig.62

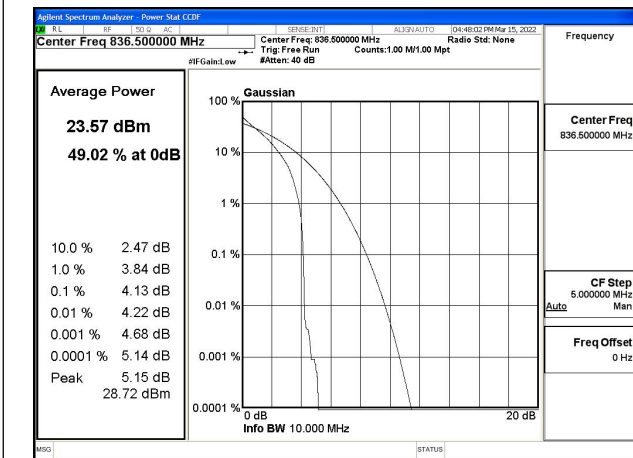


Fig.63

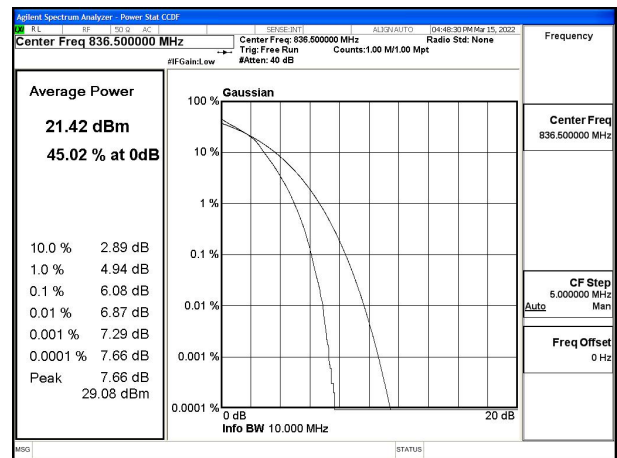


Fig.64

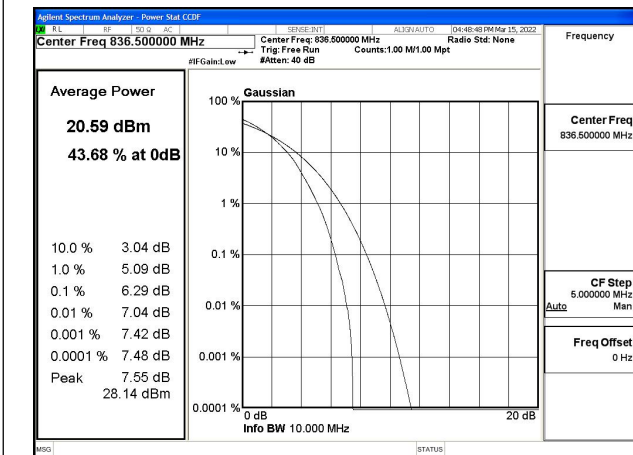


Fig.65

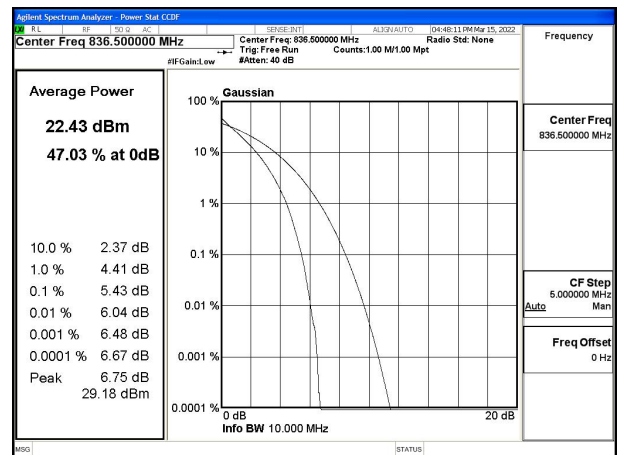


Fig.66

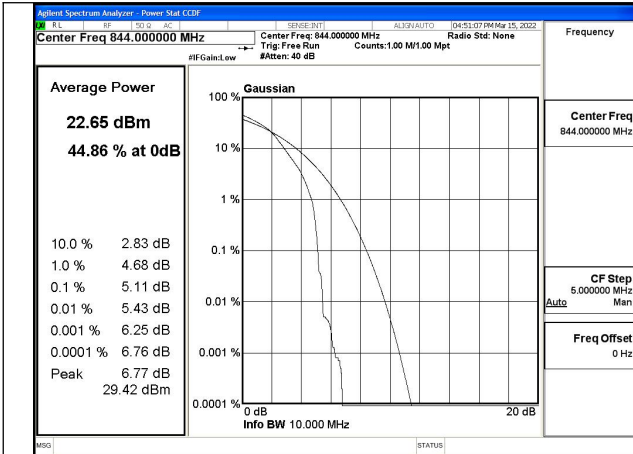


Fig.67

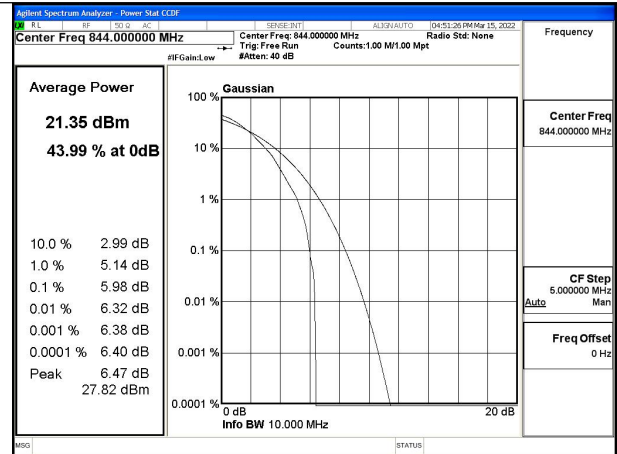


Fig.68

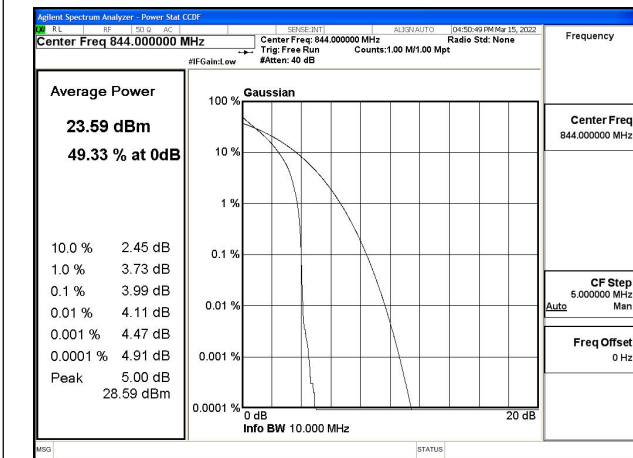


Fig.69

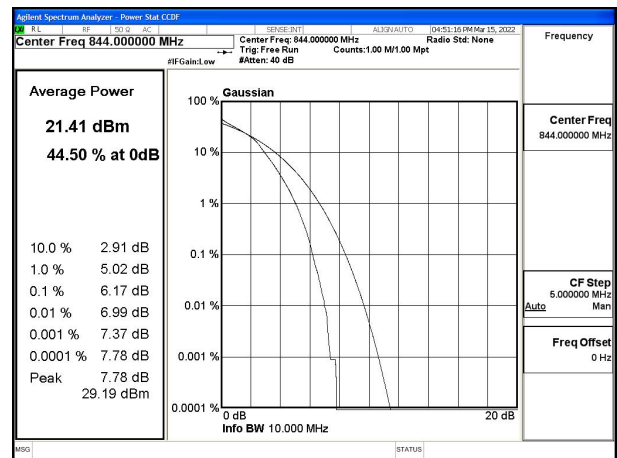


Fig.70

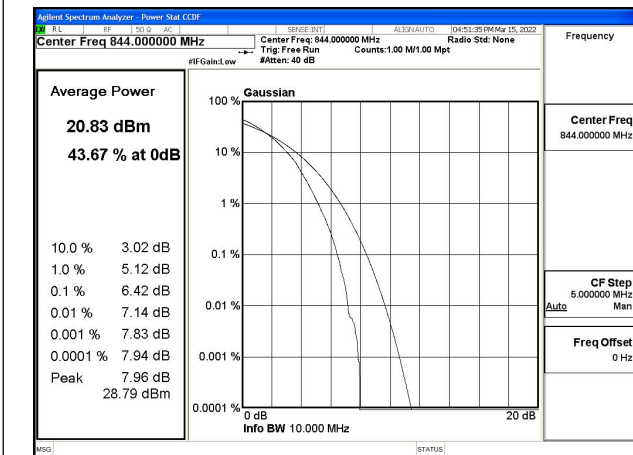


Fig.71

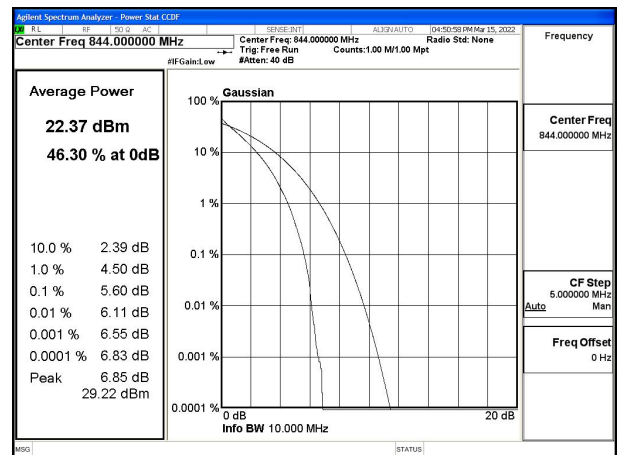


Fig.72

**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

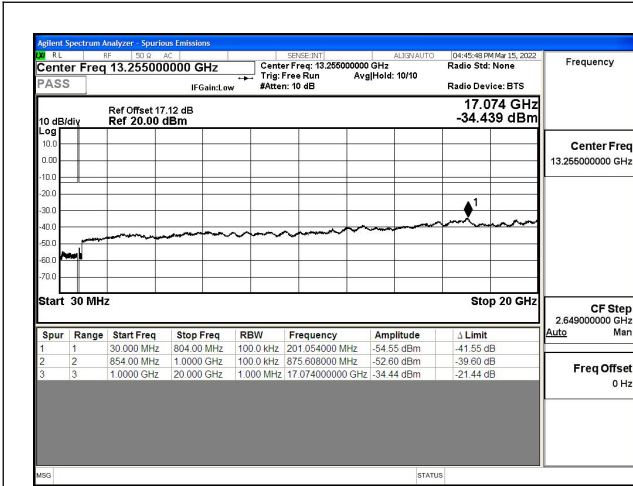


Fig.1

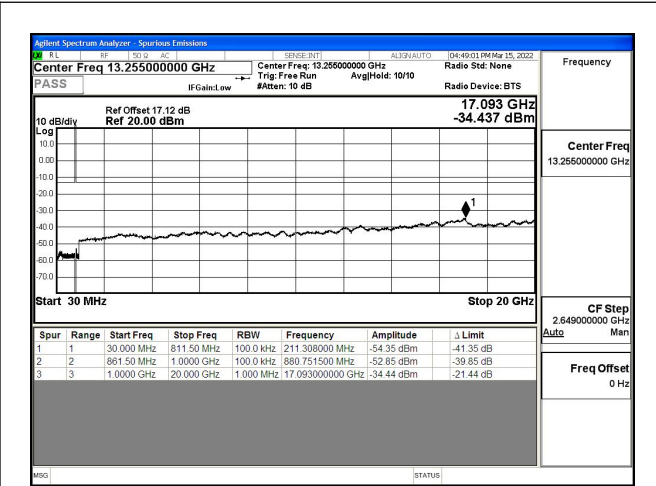


Fig.2

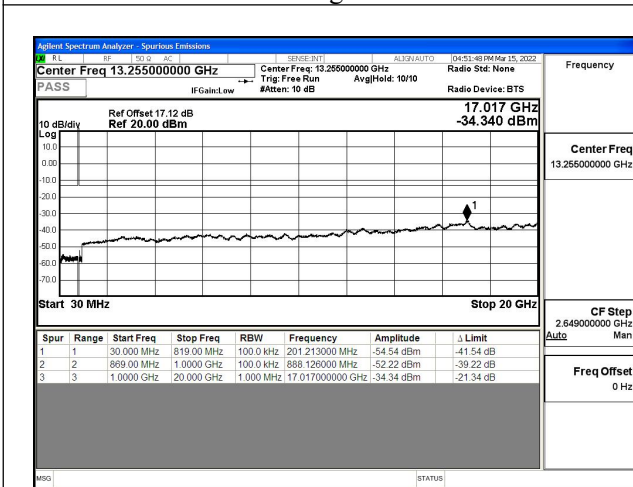


Fig.3

## 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

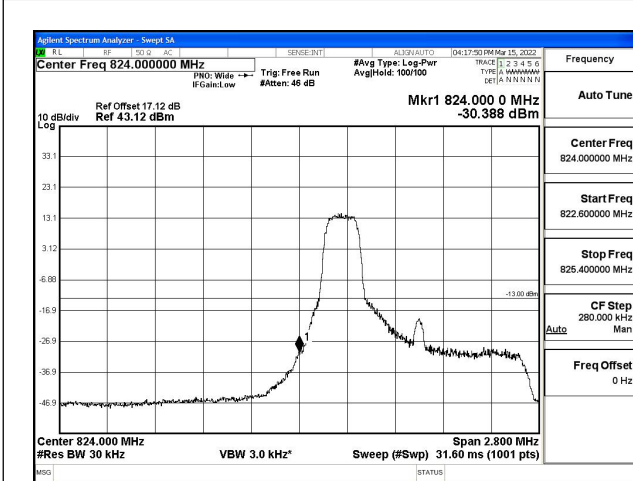


Fig.1

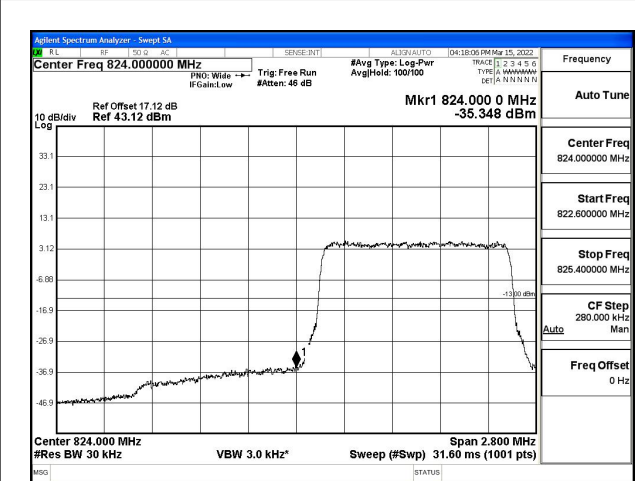


Fig.2

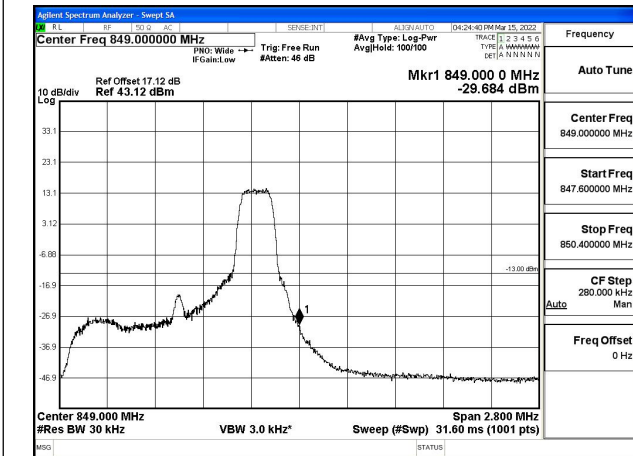


Fig.3

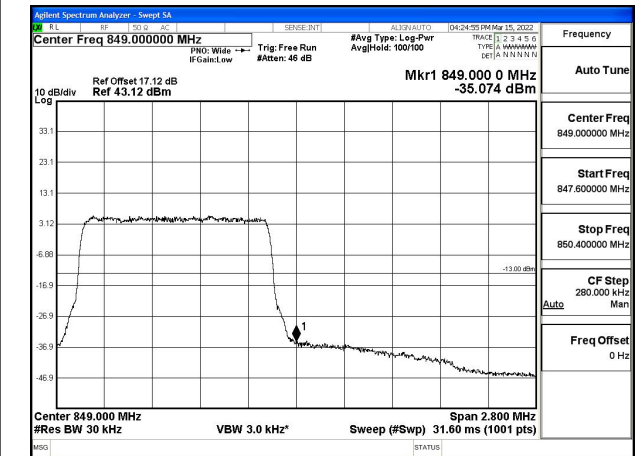


Fig.4

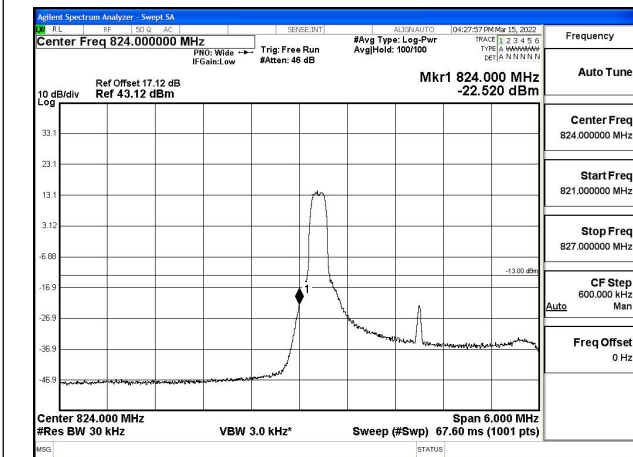


Fig.5

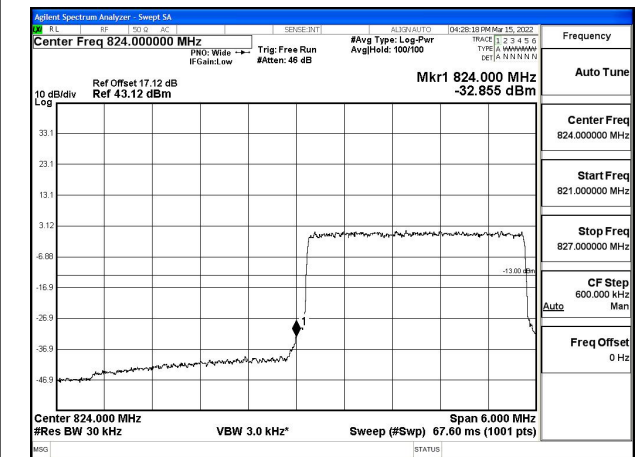


Fig.6

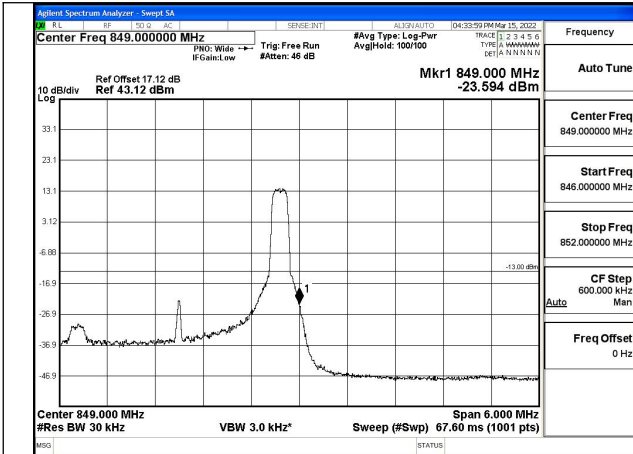


Fig.7

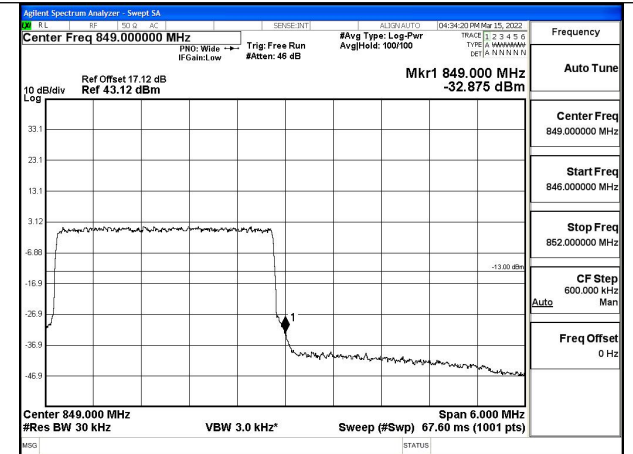


Fig.8

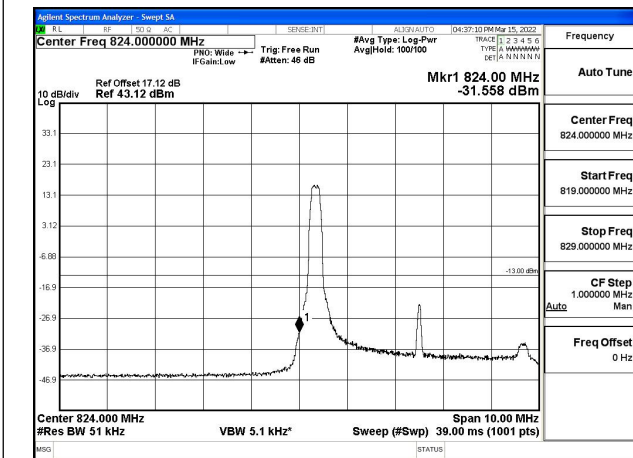


Fig.9

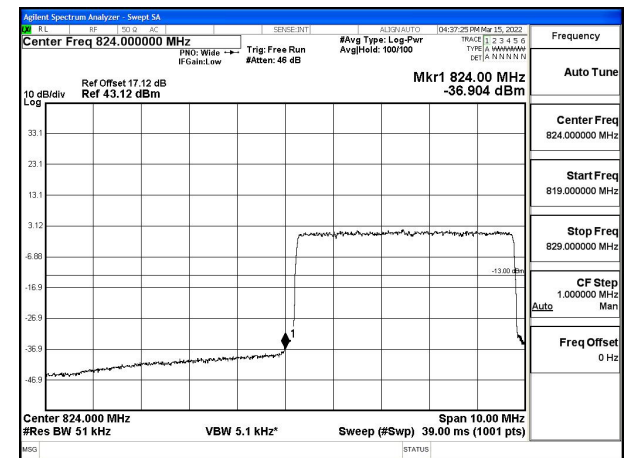


Fig.10

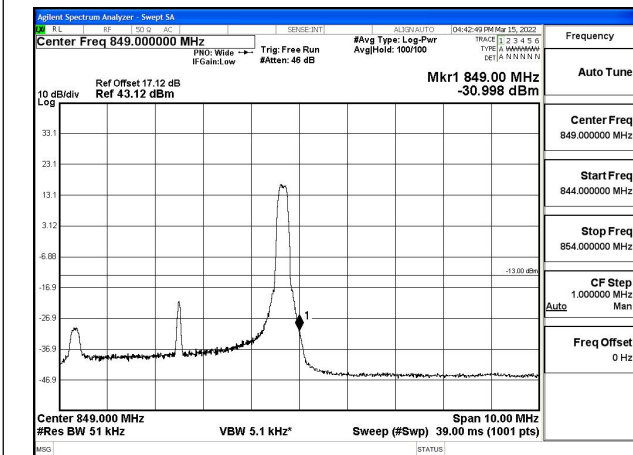


Fig.11

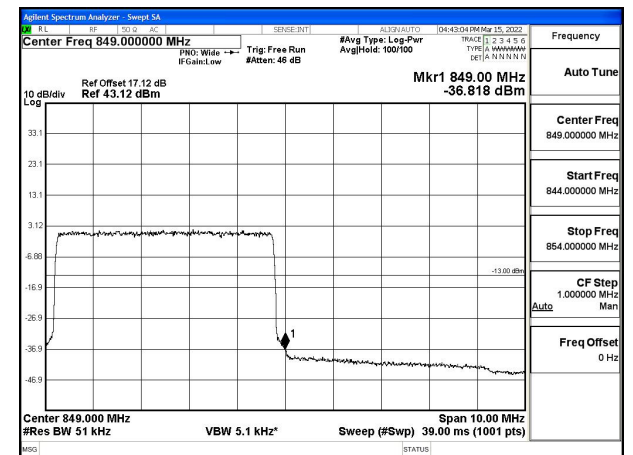


Fig.12

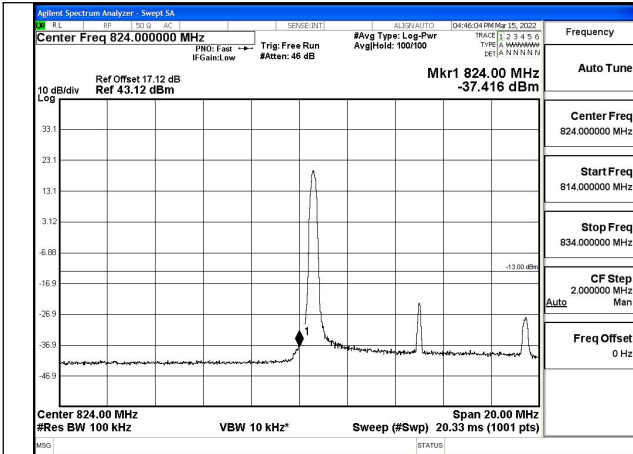


Fig.13

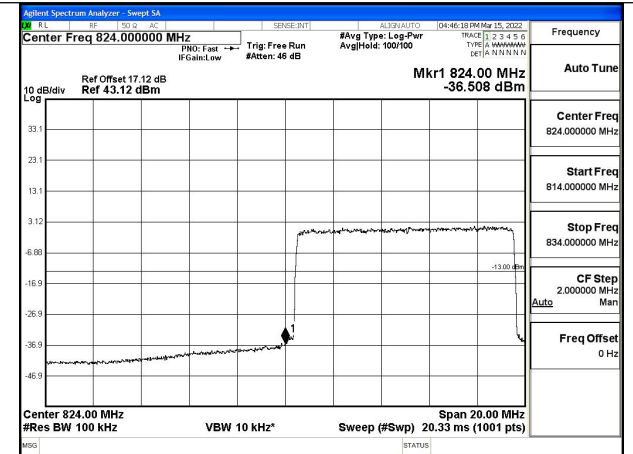


Fig.14

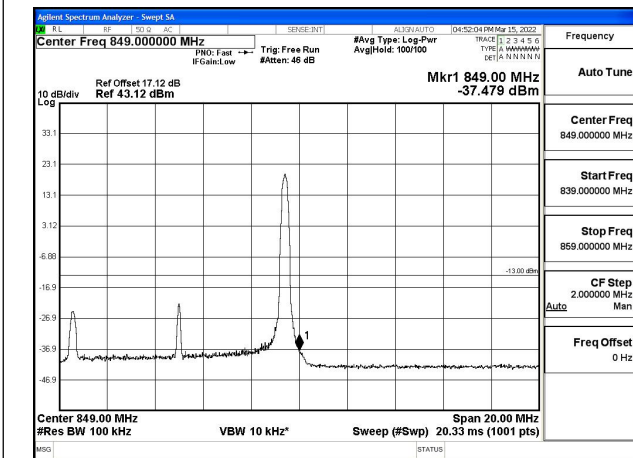


Fig.15

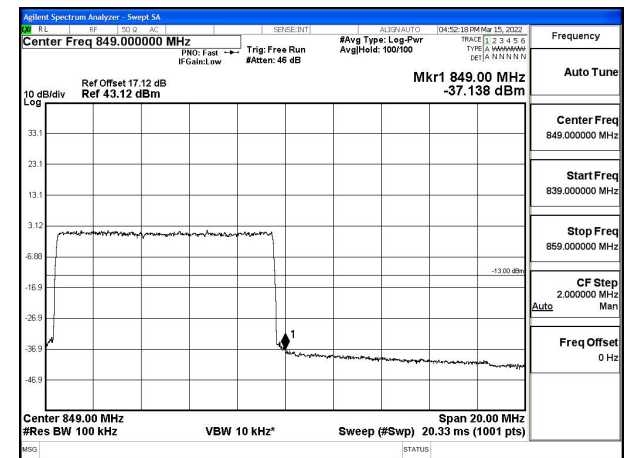


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.037	0.017	0.003	-0.003
0	NV	0.057	0.052	0.010	-0.001
+10	NV	-0.049	-0.054	-0.032	-0.027
+20	NV	-0.054	-0.043	-0.010	-0.055
+30	NV	-0.038	-0.041	0.031	-0.014
+40	NV	-0.059	-0.041	-0.032	-0.043
+50	NV	-0.016	-0.031	-0.004	0.008
+20	LV	0.035	0.046	0.059	0.051
+20	HV	0.037	0.038	0.049	0.031

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.036	0.041	-0.001	-0.003
0	NV	0.031	0.022	0.007	-0.007
+10	NV	0.037	-0.015	-0.035	-0.049
+20	NV	0.002	-0.057	-0.027	-0.052
+30	NV	0.036	-0.045	-0.045	-0.040
+40	NV	-0.015	-0.043	-0.039	-0.052
+50	NV	0.008	-0.040	-0.016	0.021
+20	LV	0.012	0.042	0.046	0.018
+20	HV	0.036	0.016	0.054	0.025



## 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	22.91	18.21	0.066
QPSK	824.7	20407	1.4	1	3	23.04	18.34	0.068
QPSK	824.7	20407	1.4	1	5	23.17	18.47	0.070
QPSK	824.7	20407	1.4	3	0	23.35	18.65	0.073
QPSK	824.7	20407	1.4	3	1	23.42	18.72	0.074
QPSK	824.7	20407	1.4	3	3	23.37	18.67	0.074
QPSK	824.7	20407	1.4	6	0	22.12	17.42	0.055
QPSK	836.5	20525	1.4	1	0	23.27	18.57	0.072
QPSK	836.5	20525	1.4	1	3	23.38	18.68	0.074
QPSK	836.5	20525	1.4	1	5	23.40	18.70	0.074
QPSK	836.5	20525	1.4	3	0	23.31	18.61	0.073
QPSK	836.5	20525	1.4	3	1	23.38	18.68	0.074
QPSK	836.5	20525	1.4	3	3	23.43	18.73	0.075
QPSK	836.5	20525	1.4	6	0	22.44	17.74	0.059
QPSK	848.3	20643	1.4	1	0	23.60	18.90	0.078
QPSK	848.3	20643	1.4	1	3	23.42	18.72	0.074
QPSK	848.3	20643	1.4	1	5	23.35	18.65	0.073
QPSK	848.3	20643	1.4	3	0	23.31	18.61	0.073
QPSK	848.3	20643	1.4	3	1	23.34	18.64	0.073
QPSK	848.3	20643	1.4	3	3	23.30	18.60	0.072
QPSK	848.3	20643	1.4	6	0	22.37	17.67	0.058

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	22.34	17.64	0.058
16QAM	824.7	20407	1.4	1	3	22.90	18.20	0.066
16QAM	824.7	20407	1.4	1	5	23.00	18.30	0.068
16QAM	824.7	20407	1.4	3	0	22.49	17.79	0.060
16QAM	824.7	20407	1.4	3	1	22.55	17.85	0.061
16QAM	824.7	20407	1.4	3	3	22.58	17.88	0.061
16QAM	824.7	20407	1.4	6	0	20.84	16.14	0.041
16QAM	836.5	20525	1.4	1	0	22.65	17.95	0.062
16QAM	836.5	20525	1.4	1	3	22.74	18.04	0.064
16QAM	836.5	20525	1.4	1	5	22.71	18.01	0.063
16QAM	836.5	20525	1.4	3	0	22.68	17.98	0.063
16QAM	836.5	20525	1.4	3	1	22.64	17.94	0.062
16QAM	836.5	20525	1.4	3	3	22.56	17.86	0.061
16QAM	836.5	20525	1.4	6	0	20.99	16.29	0.043
16QAM	848.3	20643	1.4	1	0	22.27	17.57	0.057
16QAM	848.3	20643	1.4	1	3	22.68	17.98	0.063
16QAM	848.3	20643	1.4	1	5	22.78	18.08	0.064
16QAM	848.3	20643	1.4	3	0	22.54	17.84	0.061
16QAM	848.3	20643	1.4	3	1	22.82	18.12	0.065
16QAM	848.3	20643	1.4	3	3	22.58	17.88	0.061
16QAM	848.3	20643	1.4	6	0	21.26	16.56	0.045
64QAM	824.7	20407	1.4	1	0	21.86	17.16	0.052
64QAM	824.7	20407	1.4	1	3	22.18	17.48	0.056
64QAM	824.7	20407	1.4	1	5	22.20	17.50	0.056
64QAM	824.7	20407	1.4	3	0	21.78	17.08	0.051
64QAM	824.7	20407	1.4	3	1	20.95	16.25	0.042
64QAM	824.7	20407	1.4	3	3	21.52	16.82	0.048
64QAM	824.7	20407	1.4	6	0	20.75	16.05	0.040
64QAM	836.5	20525	1.4	1	0	21.47	16.77	0.048
64QAM	836.5	20525	1.4	1	3	21.38	16.68	0.047
64QAM	836.5	20525	1.4	1	5	21.35	16.65	0.046
64QAM	836.5	20525	1.4	3	0	21.67	16.97	0.050
64QAM	836.5	20525	1.4	3	1	21.31	16.61	0.046
64QAM	836.5	20525	1.4	3	3	21.62	16.92	0.049
64QAM	836.5	20525	1.4	6	0	20.37	15.67	0.037
64QAM	848.3	20643	1.4	1	0	22.20	17.50	0.056
64QAM	848.3	20643	1.4	1	3	22.08	17.38	0.055
64QAM	848.3	20643	1.4	1	5	21.83	17.13	0.052
64QAM	848.3	20643	1.4	3	0	21.24	16.54	0.045
64QAM	848.3	20643	1.4	3	1	21.48	16.78	0.048
64QAM	848.3	20643	1.4	3	3	21.10	16.40	0.044
64QAM	848.3	20643	1.4	6	0	21.12	16.42	0.044

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	23.28	18.58	0.072
QPSK	825.5	20415	3	1	8	23.37	18.67	0.074
QPSK	825.5	20415	3	1	14	23.39	18.69	0.074
QPSK	825.5	20415	3	8	0	22.42	17.72	0.059
QPSK	825.5	20415	3	8	4	22.22	17.52	0.056
QPSK	825.5	20415	3	8	7	22.36	17.66	0.058
QPSK	825.5	20415	3	15	0	22.18	17.48	0.056
QPSK	836.5	20525	3	1	0	23.47	18.77	0.075
QPSK	836.5	20525	3	1	8	23.49	18.79	0.076
QPSK	836.5	20525	3	1	14	23.41	18.71	0.074
QPSK	836.5	20525	3	8	0	22.37	17.67	0.058
QPSK	836.5	20525	3	8	4	22.36	17.66	0.058
QPSK	836.5	20525	3	8	7	22.39	17.69	0.059
QPSK	836.5	20525	3	15	0	22.47	17.77	0.060
QPSK	847.5	20635	3	1	0	23.35	18.65	0.073
QPSK	847.5	20635	3	1	8	23.36	18.66	0.073
QPSK	847.5	20635	3	1	14	23.22	18.52	0.071
QPSK	847.5	20635	3	8	0	22.38	17.68	0.059
QPSK	847.5	20635	3	8	4	22.30	17.60	0.058
QPSK	847.5	20635	3	8	7	22.25	17.55	0.057
QPSK	847.5	20635	3	15	0	22.25	17.55	0.057

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	22.61	17.91	0.062
16QAM	825.5	20415	3	1	8	22.48	17.78	0.060
16QAM	825.5	20415	3	1	14	22.65	17.95	0.062
16QAM	825.5	20415	3	8	0	21.34	16.64	0.046
16QAM	825.5	20415	3	8	4	21.45	16.75	0.047
16QAM	825.5	20415	3	8	7	21.47	16.77	0.048
16QAM	825.5	20415	3	15	0	21.33	16.63	0.046
16QAM	836.5	20525	3	1	0	22.84	18.14	0.065
16QAM	836.5	20525	3	1	8	22.59	17.89	0.062
16QAM	836.5	20525	3	1	14	23.09	18.39	0.069
16QAM	836.5	20525	3	8	0	21.61	16.91	0.049
16QAM	836.5	20525	3	8	4	21.40	16.70	0.047
16QAM	836.5	20525	3	8	7	21.61	16.91	0.049
16QAM	836.5	20525	3	15	0	21.64	16.94	0.049
16QAM	847.5	20635	3	1	0	22.53	17.83	0.061
16QAM	847.5	20635	3	1	8	22.60	17.90	0.062
16QAM	847.5	20635	3	1	14	22.53	17.83	0.061
16QAM	847.5	20635	3	8	0	21.55	16.85	0.048
16QAM	847.5	20635	3	8	4	21.45	16.75	0.047
16QAM	847.5	20635	3	8	7	21.45	16.75	0.047
16QAM	847.5	20635	3	15	0	21.49	16.79	0.048
64QAM	825.5	20415	3	1	0	20.85	16.15	0.041
64QAM	825.5	20415	3	1	8	21.37	16.67	0.046
64QAM	825.5	20415	3	1	14	21.23	16.53	0.045
64QAM	825.5	20415	3	8	0	20.66	15.96	0.039
64QAM	825.5	20415	3	8	4	20.63	15.93	0.039
64QAM	825.5	20415	3	8	7	20.05	15.35	0.034
64QAM	825.5	20415	3	15	0	20.70	16.00	0.040
64QAM	836.5	20525	3	1	0	21.59	16.89	0.049
64QAM	836.5	20525	3	1	8	21.71	17.01	0.050
64QAM	836.5	20525	3	1	14	21.46	16.76	0.047
64QAM	836.5	20525	3	8	0	20.42	15.72	0.037
64QAM	836.5	20525	3	8	4	20.23	15.53	0.036
64QAM	836.5	20525	3	8	7	20.37	15.67	0.037
64QAM	836.5	20525	3	15	0	20.75	16.05	0.040
64QAM	847.5	20635	3	1	0	21.05	16.35	0.043
64QAM	847.5	20635	3	1	8	21.36	16.66	0.046
64QAM	847.5	20635	3	1	14	21.27	16.57	0.045
64QAM	847.5	20635	3	8	0	20.56	15.86	0.039
64QAM	847.5	20635	3	8	4	20.55	15.85	0.038
64QAM	847.5	20635	3	8	7	20.66	15.96	0.039
64QAM	847.5	20635	3	15	0	20.78	16.08	0.041

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	23.41	18.71	0.074
QPSK	826.5	20425	5	1	12	23.22	18.52	0.071
QPSK	826.5	20425	5	1	24	23.06	18.36	0.069
QPSK	826.5	20425	5	12	0	22.22	17.52	0.056
QPSK	826.5	20425	5	12	7	22.18	17.48	0.056
QPSK	826.5	20425	5	12	13	22.25	17.55	0.057
QPSK	826.5	20425	5	25	0	22.32	17.62	0.058
QPSK	836.5	20525	5	1	0	23.46	18.76	0.075
QPSK	836.5	20525	5	1	12	23.46	18.76	0.075
QPSK	836.5	20525	5	1	24	23.37	18.67	0.074
QPSK	836.5	20525	5	12	0	22.49	17.79	0.060
QPSK	836.5	20525	5	12	7	22.37	17.67	0.058
QPSK	836.5	20525	5	12	13	22.26	17.56	0.057
QPSK	836.5	20525	5	25	0	22.40	17.70	0.059
QPSK	846.5	20625	5	1	0	23.67	18.97	0.079
QPSK	846.5	20625	5	1	12	23.68	18.98	0.079
QPSK	846.5	20625	5	1	24	23.56	18.86	0.077
QPSK	846.5	20625	5	12	0	22.39	17.69	0.059
QPSK	846.5	20625	5	12	7	22.24	17.54	0.057
QPSK	846.5	20625	5	12	13	22.40	17.70	0.059
QPSK	846.5	20625	5	25	0	22.23	17.53	0.057

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	22.50	17.80	0.060
16QAM	826.5	20425	5	1	12	23.25	18.55	0.072
16QAM	826.5	20425	5	1	24	22.89	18.19	0.066
16QAM	826.5	20425	5	12	0	21.38	16.68	0.047
16QAM	826.5	20425	5	12	7	21.38	16.68	0.047
16QAM	826.5	20425	5	12	13	21.39	16.69	0.047
16QAM	826.5	20425	5	25	0	21.55	16.85	0.048
16QAM	836.5	20525	5	1	0	23.26	18.56	0.072
16QAM	836.5	20525	5	1	12	22.79	18.09	0.064
16QAM	836.5	20525	5	1	24	22.70	18.00	0.063
16QAM	836.5	20525	5	12	0	21.53	16.83	0.048
16QAM	836.5	20525	5	12	7	21.29	16.59	0.046
16QAM	836.5	20525	5	12	13	21.44	16.74	0.047
16QAM	836.5	20525	5	25	0	21.48	16.78	0.048
16QAM	846.5	20625	5	1	0	22.60	17.90	0.062
16QAM	846.5	20625	5	1	12	22.68	17.98	0.063
16QAM	846.5	20625	5	1	24	22.72	18.02	0.063
16QAM	846.5	20625	5	12	0	21.43	16.73	0.047
16QAM	846.5	20625	5	12	7	21.41	16.71	0.047
16QAM	846.5	20625	5	12	13	21.49	16.79	0.048
16QAM	846.5	20625	5	25	0	21.42	16.72	0.047
64QAM	826.5	20425	5	1	0	21.73	17.03	0.050
64QAM	826.5	20425	5	1	12	21.46	16.76	0.047
64QAM	826.5	20425	5	1	24	21.74	17.04	0.051
64QAM	826.5	20425	5	12	0	20.79	16.09	0.041
64QAM	826.5	20425	5	12	7	20.29	15.59	0.036
64QAM	826.5	20425	5	12	13	20.30	15.60	0.036
64QAM	826.5	20425	5	25	0	20.36	15.66	0.037
64QAM	836.5	20525	5	1	0	21.58	16.88	0.049
64QAM	836.5	20525	5	1	12	20.96	16.26	0.042
64QAM	836.5	20525	5	1	24	21.53	16.83	0.048
64QAM	836.5	20525	5	12	0	20.51	15.81	0.038
64QAM	836.5	20525	5	12	7	20.42	15.72	0.037
64QAM	836.5	20525	5	12	13	20.50	15.80	0.038
64QAM	836.5	20525	5	25	0	20.20	15.50	0.035
64QAM	846.5	20625	5	1	0	21.80	17.10	0.051
64QAM	846.5	20625	5	1	12	21.16	16.46	0.044
64QAM	846.5	20625	5	1	24	21.46	16.76	0.047
64QAM	846.5	20625	5	12	0	20.40	15.70	0.037
64QAM	846.5	20625	5	12	7	20.94	16.24	0.042
64QAM	846.5	20625	5	12	13	20.84	16.14	0.041
64QAM	846.5	20625	5	25	0	21.01	16.31	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	23.34	18.64	0.073
QPSK	829	20450	10	1	25	23.25	18.55	0.072
QPSK	829	20450	10	1	49	23.39	18.69	0.074
QPSK	829	20450	10	25	0	22.28	17.58	0.057
QPSK	829	20450	10	25	12	22.17	17.47	0.056
QPSK	829	20450	10	25	25	22.44	17.74	0.059
QPSK	829	20450	10	50	0	22.37	17.67	0.058
QPSK	836.5	20525	10	1	0	23.56	18.86	0.077
QPSK	836.5	20525	10	1	25	23.66	18.96	0.079
QPSK	836.5	20525	10	1	49	23.66	18.96	0.079
QPSK	836.5	20525	10	25	0	22.28	17.58	0.057
QPSK	836.5	20525	10	25	12	22.41	17.71	0.059
QPSK	836.5	20525	10	25	25	22.30	17.60	0.058
QPSK	836.5	20525	10	50	0	22.44	17.74	0.059
QPSK	844	20600	10	1	0	23.43	18.73	0.075
QPSK	844	20600	10	1	25	23.40	18.70	0.074
QPSK	844	20600	10	1	49	23.32	18.62	0.073
QPSK	844	20600	10	25	0	22.22	17.52	0.056
QPSK	844	20600	10	25	12	22.42	17.72	0.059
QPSK	844	20600	10	25	25	22.25	17.55	0.057
QPSK	844	20600	10	50	0	22.39	17.69	0.059

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	22.71	18.01	0.063
16QAM	829	20450	10	1	25	22.10	17.40	0.055
16QAM	829	20450	10	1	49	22.67	17.97	0.063
16QAM	829	20450	10	25	0	21.47	16.77	0.048
16QAM	829	20450	10	25	12	21.25	16.55	0.045
16QAM	829	20450	10	25	25	21.29	16.59	0.046
16QAM	829	20450	10	50	0	21.36	16.66	0.046
16QAM	836.5	20525	10	1	0	23.04	18.34	0.068
16QAM	836.5	20525	10	1	25	22.58	17.88	0.061
16QAM	836.5	20525	10	1	49	22.69	17.99	0.063
16QAM	836.5	20525	10	25	0	21.57	16.87	0.049
16QAM	836.5	20525	10	25	12	21.75	17.05	0.051
16QAM	836.5	20525	10	25	25	21.71	17.01	0.050
16QAM	836.5	20525	10	50	0	21.40	16.70	0.047
16QAM	844	20600	10	1	0	22.48	17.78	0.060
16QAM	844	20600	10	1	25	22.89	18.19	0.066
16QAM	844	20600	10	1	49	22.24	17.54	0.057
16QAM	844	20600	10	25	0	21.37	16.67	0.046
16QAM	844	20600	10	25	12	21.39	16.69	0.047
16QAM	844	20600	10	25	25	21.35	16.65	0.046
16QAM	844	20600	10	50	0	21.43	16.73	0.047
64QAM	829	20450	10	1	0	21.24	16.54	0.045
64QAM	829	20450	10	1	25	21.42	16.72	0.047
64QAM	829	20450	10	1	49	21.16	16.46	0.044
64QAM	829	20450	10	25	0	20.38	15.68	0.037
64QAM	829	20450	10	25	12	20.22	15.52	0.036
64QAM	829	20450	10	25	25	20.30	15.60	0.036
64QAM	829	20450	10	50	0	20.33	15.63	0.037
64QAM	836.5	20525	10	1	0	21.93	17.23	0.053
64QAM	836.5	20525	10	1	25	21.89	17.19	0.052
64QAM	836.5	20525	10	1	49	21.60	16.90	0.049
64QAM	836.5	20525	10	25	0	20.44	15.74	0.037
64QAM	836.5	20525	10	25	12	20.68	15.98	0.040
64QAM	836.5	20525	10	25	25	20.57	15.87	0.039
64QAM	836.5	20525	10	50	0	20.70	16.00	0.040
64QAM	844	20600	10	1	0	21.63	16.93	0.049
64QAM	844	20600	10	1	25	21.67	16.97	0.050
64QAM	844	20600	10	1	49	21.92	17.22	0.053
64QAM	844	20600	10	25	0	20.35	15.65	0.037
64QAM	844	20600	10	25	12	20.77	16.07	0.040
64QAM	844	20600	10	25	25	20.89	16.19	0.042
64QAM	844	20600	10	50	0	20.94	16.24	0.042