

Fig.61

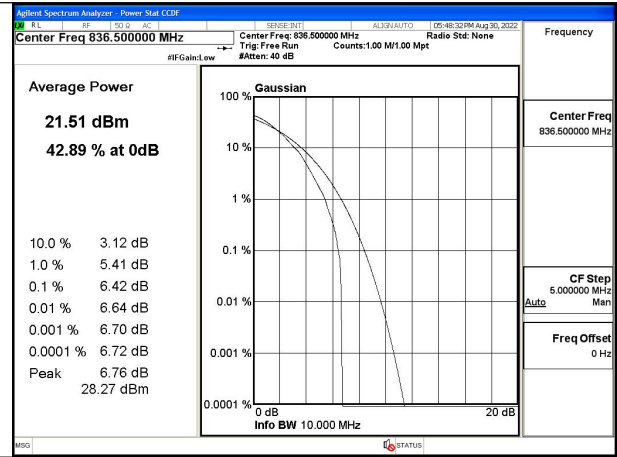


Fig.62

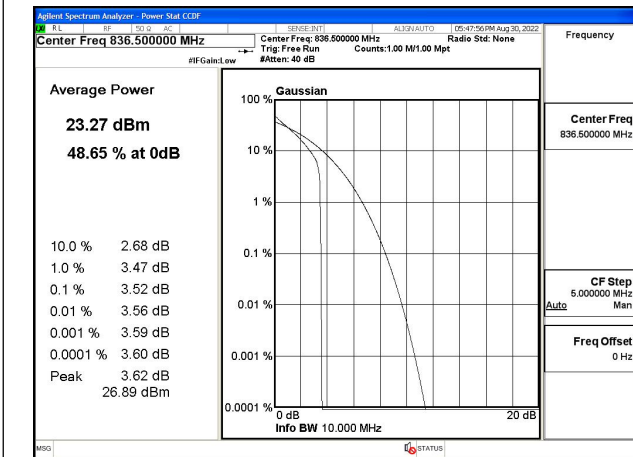


Fig.63

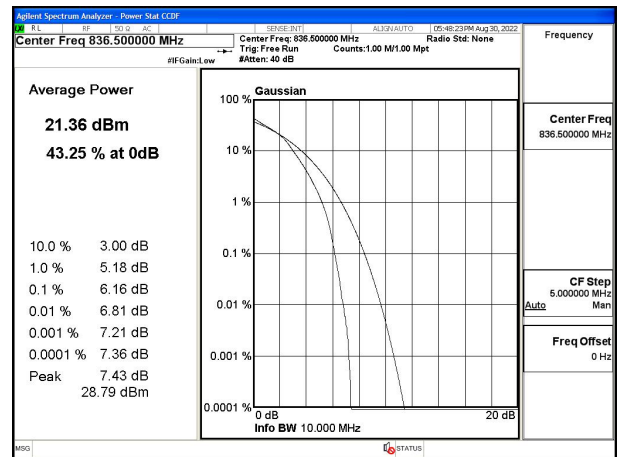


Fig.64

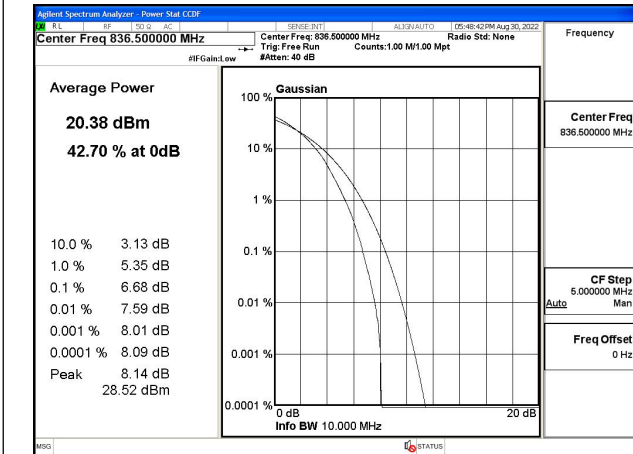


Fig.65

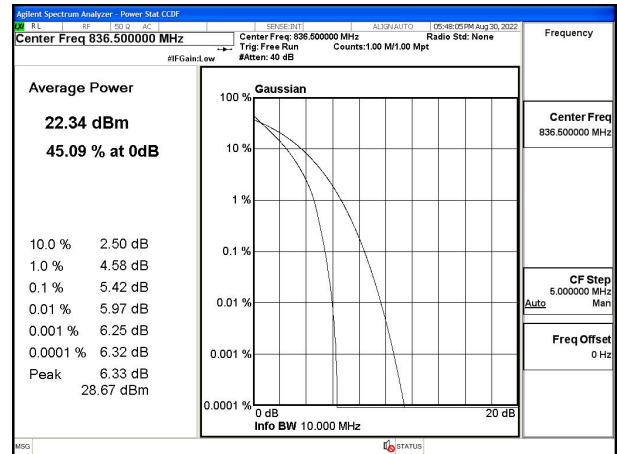


Fig.66

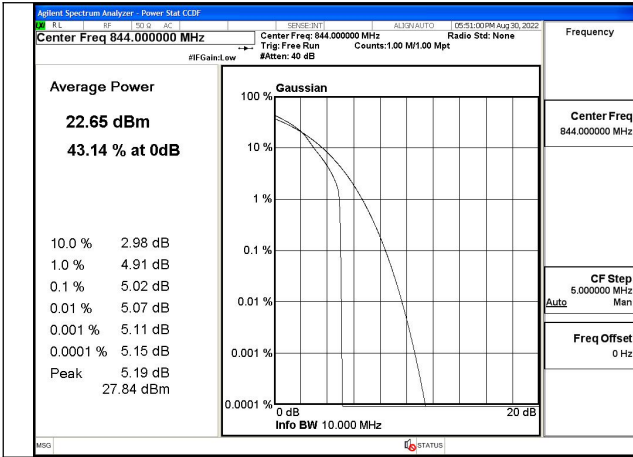


Fig.67

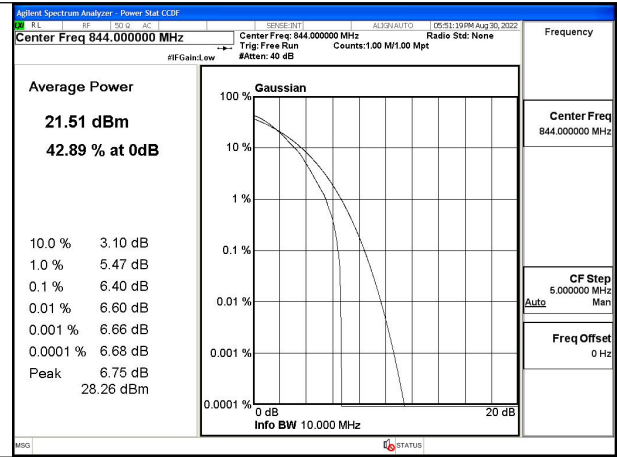


Fig.68

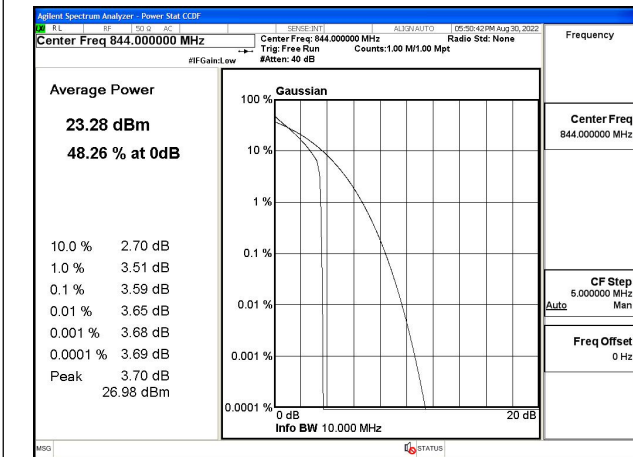


Fig.69

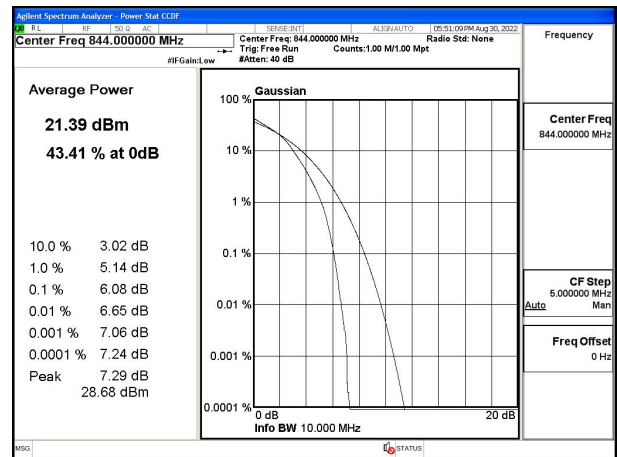


Fig.70

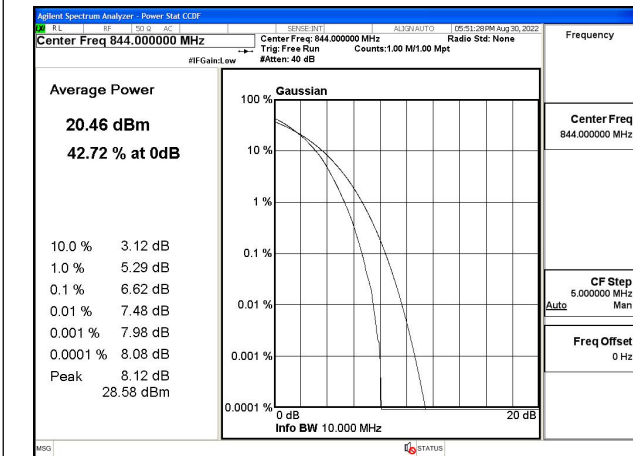


Fig.71

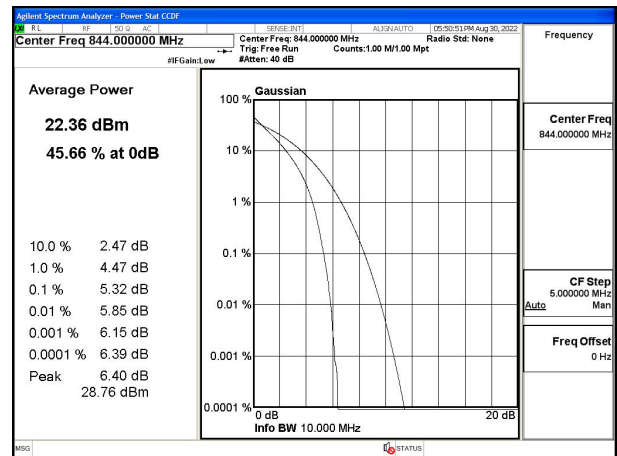


Fig.72

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

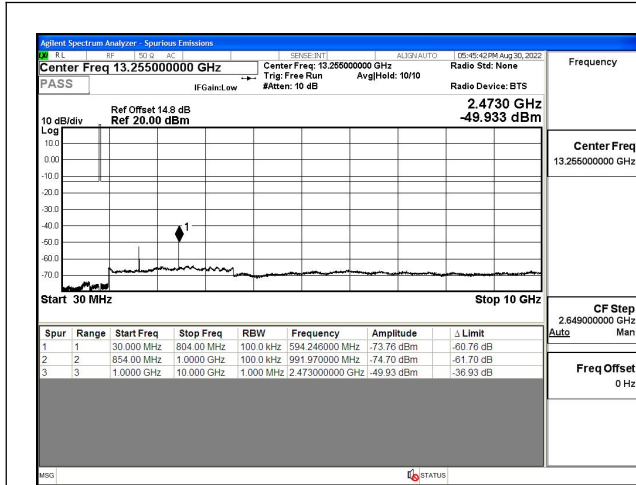


Fig.1

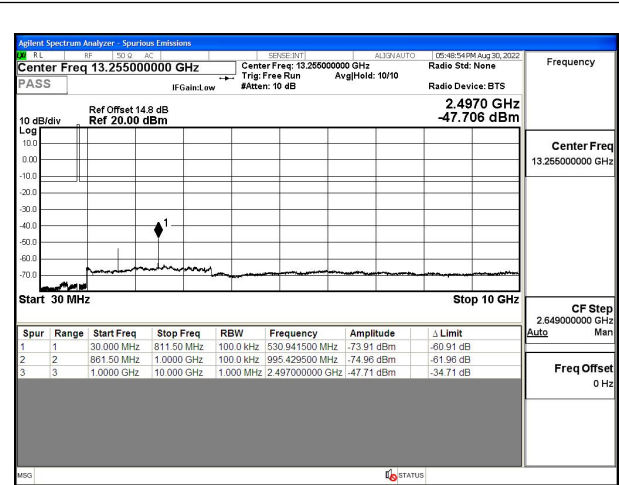


Fig.2

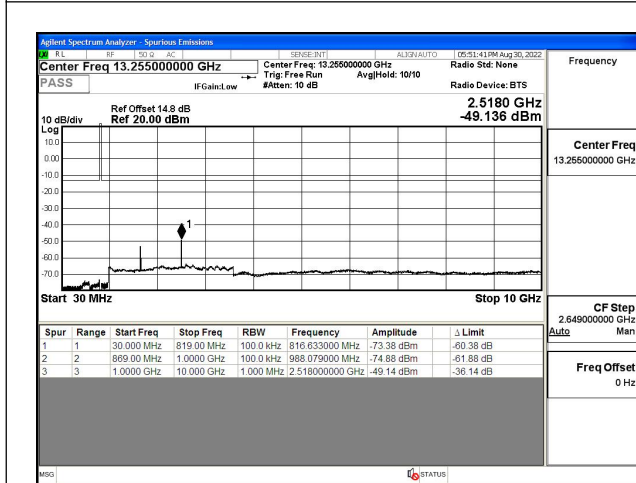


Fig.3

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

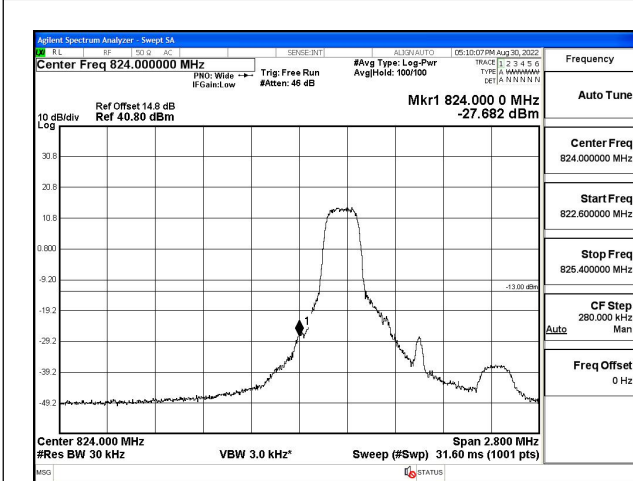


Fig.1

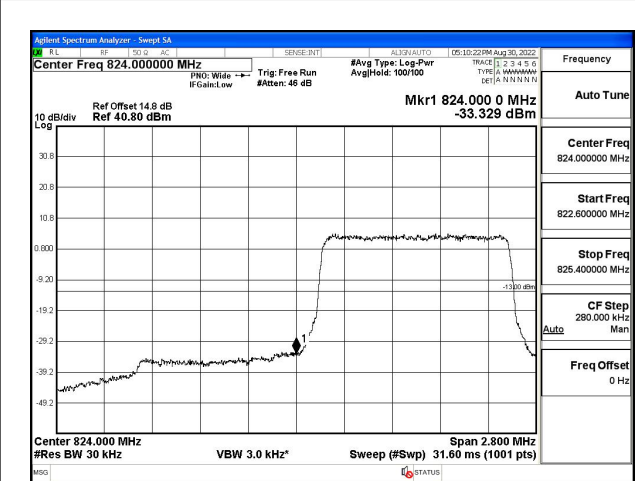


Fig.2

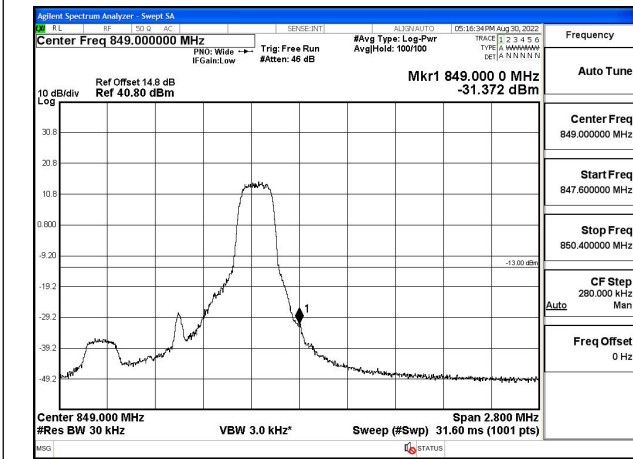


Fig.3

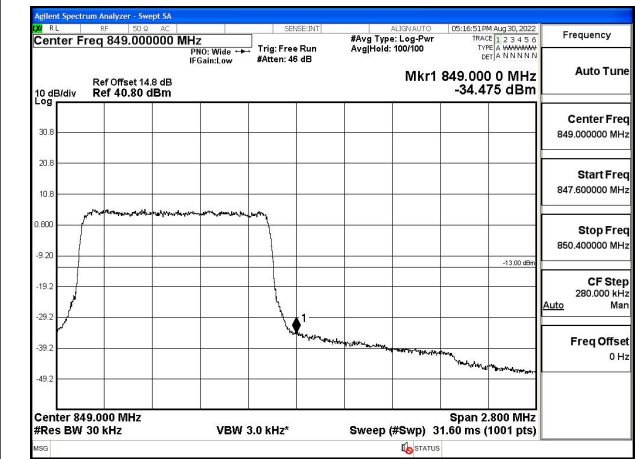


Fig.4

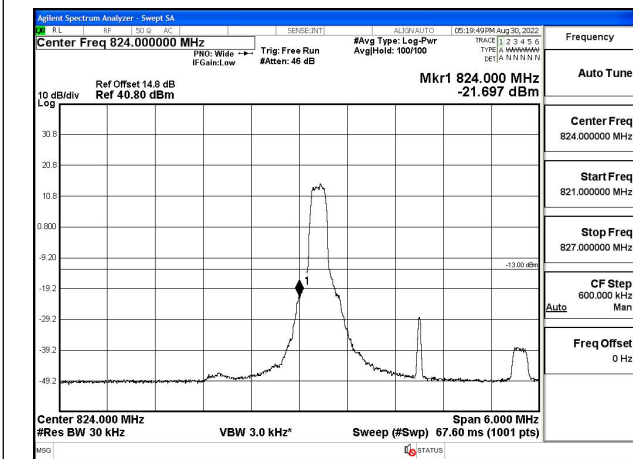


Fig.5

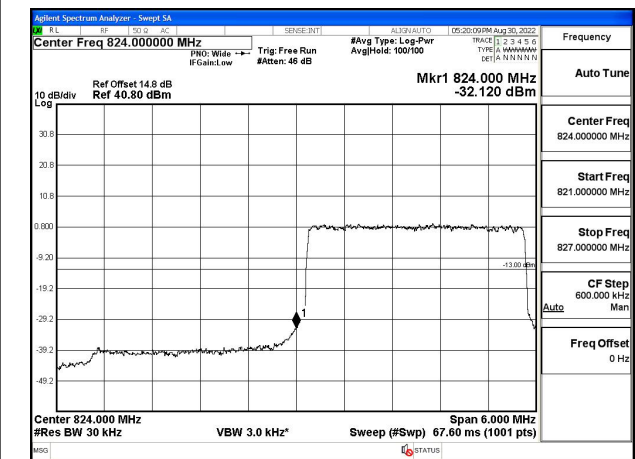


Fig.6

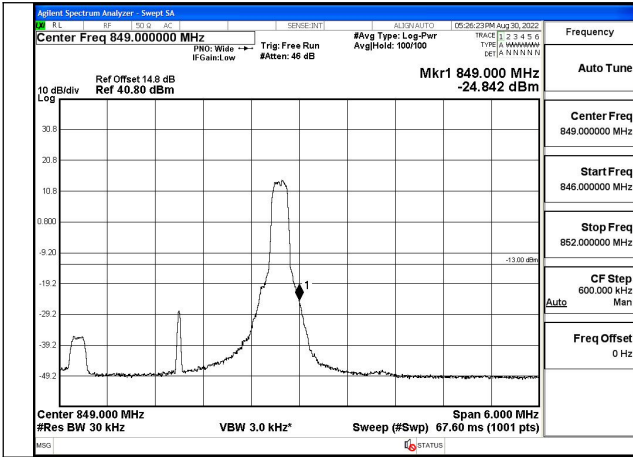


Fig.7

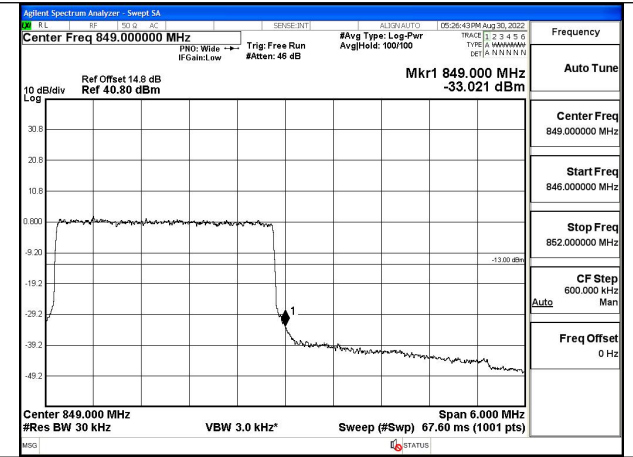


Fig.8

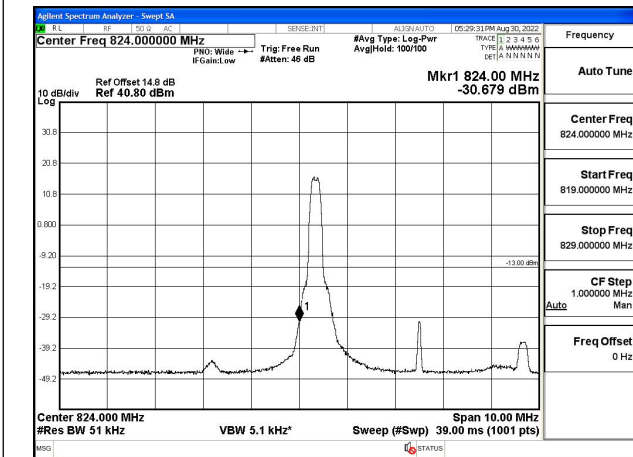


Fig.9

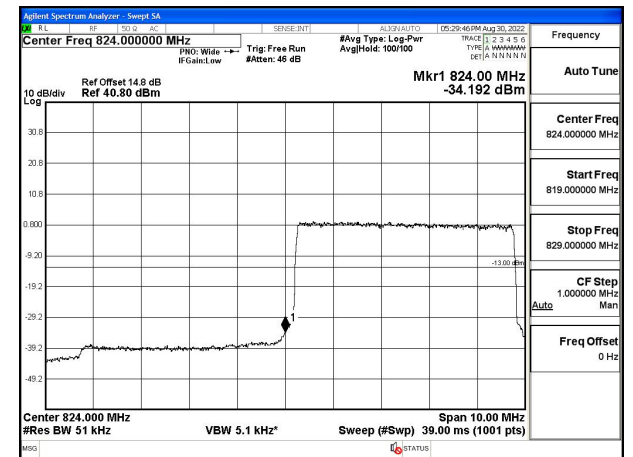


Fig.10

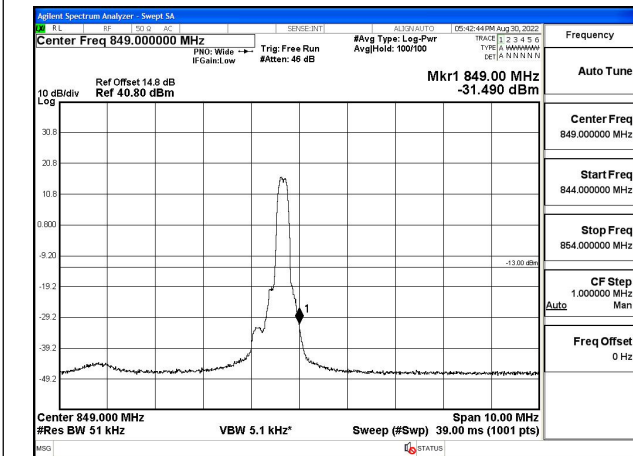


Fig.11

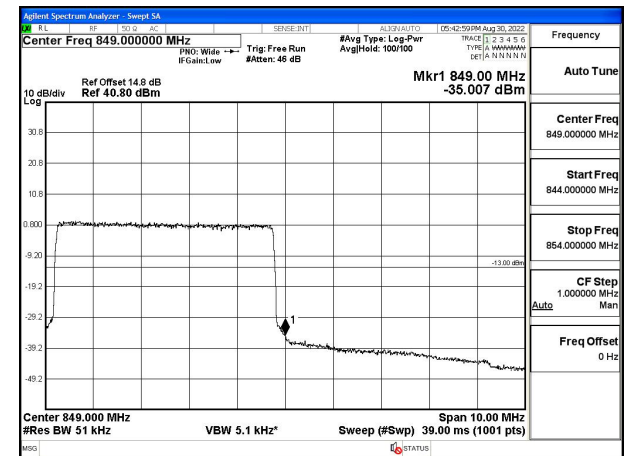


Fig.12

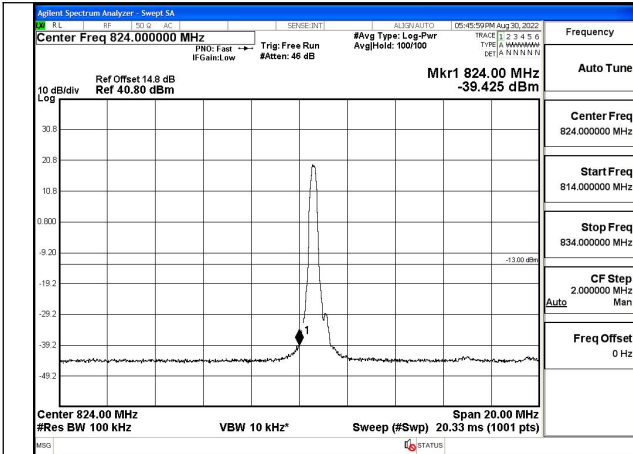


Fig.13

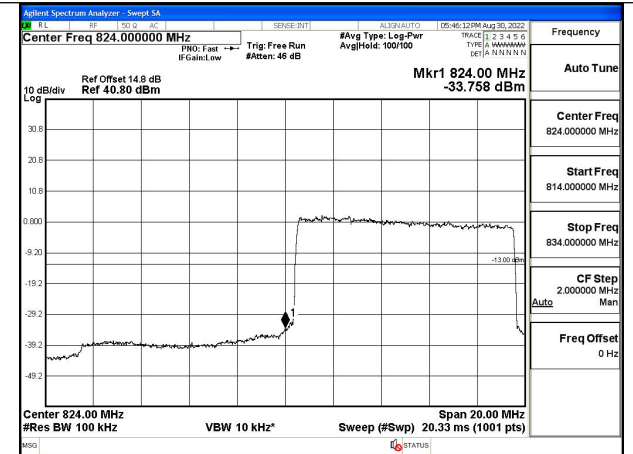


Fig.14

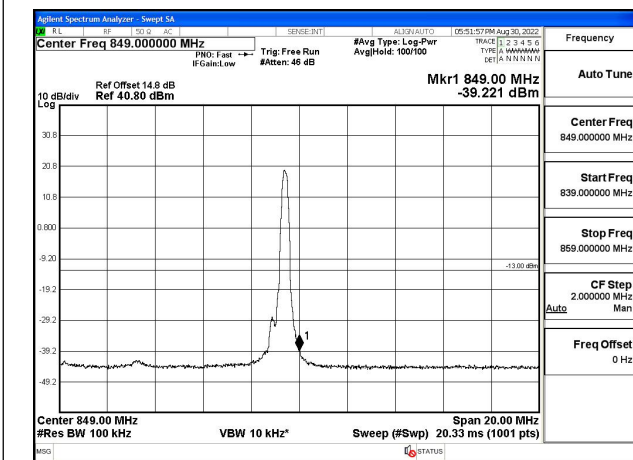


Fig.15

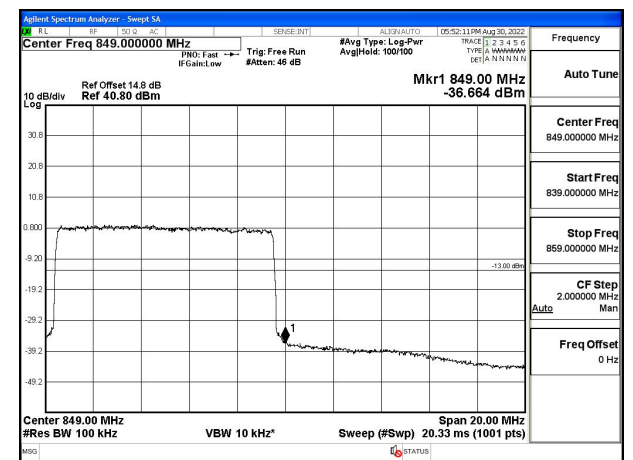


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.013	0.013	0.000	-0.009
0	NV	-0.021	0.014	0.002	-0.005
+10	NV	-0.017	0.004	0.004	-0.007
+20	NV	0.013	0.011	0.003	0.006
+30	NV	-0.019	0.009	0.001	-0.005
+40	NV	0.024	-0.005	0.003	-0.007
+50	NV	0.030	0.007	0.001	0.003
+55	NV	-0.027	0.007	0.001	0.004
+20	LV	-0.014	0.009	0.003	0.005
+20	HV	-0.019	-0.006	0.002	-0.008

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.016	0.015	0.004	-0.007
0	NV	0.021	-0.008	0.007	-0.006
+10	NV	0.017	-0.010	0.006	-0.007
+20	NV	0.027	-0.007	0.007	0.005
+30	NV	-0.021	0.004	0.006	0.006
+40	NV	0.009	0.008	0.006	0.003
+50	NV	0.015	0.006	0.007	0.004
+55	NV	0.010	0.004	0.005	0.005
+20	LV	-0.024	0.005	0.006	0.005
+20	HV	0.019	0.004	0.010	0.004

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	22.93	16.18	0.041
QPSK	824.7	20407	1.4	1	3	23.21	16.46	0.044
QPSK	824.7	20407	1.4	1	5	22.88	16.13	0.041
QPSK	824.7	20407	1.4	3	0	23.07	16.32	0.043
QPSK	824.7	20407	1.4	3	1	23.11	16.36	0.043
QPSK	824.7	20407	1.4	3	3	22.95	16.20	0.042
QPSK	824.7	20407	1.4	6	0	22.06	15.31	0.034
QPSK	836.5	20525	1.4	1	0	22.86	16.11	0.041
QPSK	836.5	20525	1.4	1	3	23.02	16.27	0.042
QPSK	836.5	20525	1.4	1	5	22.99	16.24	0.042
QPSK	836.5	20525	1.4	3	0	22.88	16.13	0.041
QPSK	836.5	20525	1.4	3	1	22.93	16.18	0.041
QPSK	836.5	20525	1.4	3	3	22.82	16.07	0.040
QPSK	836.5	20525	1.4	6	0	21.95	15.20	0.033
QPSK	848.3	20643	1.4	1	0	22.83	16.08	0.041
QPSK	848.3	20643	1.4	1	3	22.89	16.14	0.041
QPSK	848.3	20643	1.4	1	5	22.75	16.00	0.040
QPSK	848.3	20643	1.4	3	0	22.79	16.04	0.040
QPSK	848.3	20643	1.4	3	1	22.81	16.06	0.040
QPSK	848.3	20643	1.4	3	3	22.79	16.04	0.040
QPSK	848.3	20643	1.4	6	0	21.96	15.21	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	21.84	15.09	0.032
16QAM	824.7	20407	1.4	1	3	22.28	15.53	0.036
16QAM	824.7	20407	1.4	1	5	22.36	15.61	0.036
16QAM	824.7	20407	1.4	3	0	22.05	15.30	0.034
16QAM	824.7	20407	1.4	3	1	21.94	15.19	0.033
16QAM	824.7	20407	1.4	3	3	21.90	15.15	0.033
16QAM	824.7	20407	1.4	6	0	21.16	14.41	0.028
16QAM	836.5	20525	1.4	1	0	22.21	15.46	0.035
16QAM	836.5	20525	1.4	1	3	22.02	15.27	0.034
16QAM	836.5	20525	1.4	1	5	22.07	15.32	0.034
16QAM	836.5	20525	1.4	3	0	22.04	15.29	0.034
16QAM	836.5	20525	1.4	3	1	21.96	15.21	0.033
16QAM	836.5	20525	1.4	3	3	22.02	15.27	0.034
16QAM	836.5	20525	1.4	6	0	21.01	14.26	0.027
16QAM	848.3	20643	1.4	1	0	21.94	15.19	0.033
16QAM	848.3	20643	1.4	1	3	22.12	15.37	0.034
16QAM	848.3	20643	1.4	1	5	22.31	15.56	0.036
16QAM	848.3	20643	1.4	3	0	22.00	15.25	0.033
16QAM	848.3	20643	1.4	3	1	21.97	15.22	0.033
16QAM	848.3	20643	1.4	3	3	21.86	15.11	0.032
16QAM	848.3	20643	1.4	6	0	21.02	14.27	0.027
64QAM	824.7	20407	1.4	1	0	22.47	15.72	0.037
64QAM	824.7	20407	1.4	1	3	22.09	15.34	0.034
64QAM	824.7	20407	1.4	1	5	22.23	15.48	0.035
64QAM	824.7	20407	1.4	3	0	21.89	15.14	0.033
64QAM	824.7	20407	1.4	3	1	22.12	15.37	0.034
64QAM	824.7	20407	1.4	3	3	21.88	15.13	0.033
64QAM	824.7	20407	1.4	6	0	21.24	14.49	0.028
64QAM	836.5	20525	1.4	1	0	22.24	15.49	0.035
64QAM	836.5	20525	1.4	1	3	22.55	15.80	0.038
64QAM	836.5	20525	1.4	1	5	22.18	15.43	0.035
64QAM	836.5	20525	1.4	3	0	22.04	15.29	0.034
64QAM	836.5	20525	1.4	3	1	22.18	15.43	0.035
64QAM	836.5	20525	1.4	3	3	21.87	15.12	0.033
64QAM	836.5	20525	1.4	6	0	20.65	13.90	0.025
64QAM	848.3	20643	1.4	1	0	21.90	15.15	0.033
64QAM	848.3	20643	1.4	1	3	22.23	15.48	0.035
64QAM	848.3	20643	1.4	1	5	22.22	15.47	0.035
64QAM	848.3	20643	1.4	3	0	21.90	15.15	0.033
64QAM	848.3	20643	1.4	3	1	22.02	15.27	0.034
64QAM	848.3	20643	1.4	3	3	21.53	14.78	0.030
64QAM	848.3	20643	1.4	6	0	20.87	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	23.12	16.37	0.043
QPSK	825.5	20415	3	1	8	22.95	16.20	0.042
QPSK	825.5	20415	3	1	14	22.93	16.18	0.041
QPSK	825.5	20415	3	8	0	22.09	15.34	0.034
QPSK	825.5	20415	3	8	4	22.06	15.31	0.034
QPSK	825.5	20415	3	8	7	22.13	15.38	0.035
QPSK	825.5	20415	3	15	0	22.04	15.29	0.034
QPSK	836.5	20525	3	1	0	22.93	16.18	0.041
QPSK	836.5	20525	3	1	8	23.05	16.30	0.043
QPSK	836.5	20525	3	1	14	23.00	16.25	0.042
QPSK	836.5	20525	3	8	0	21.91	15.16	0.033
QPSK	836.5	20525	3	8	4	22.09	15.34	0.034
QPSK	836.5	20525	3	8	7	21.97	15.22	0.033
QPSK	836.5	20525	3	15	0	21.87	15.12	0.033
QPSK	847.5	20635	3	1	0	23.05	16.30	0.043
QPSK	847.5	20635	3	1	8	22.90	16.15	0.041
QPSK	847.5	20635	3	1	14	22.97	16.22	0.042
QPSK	847.5	20635	3	8	0	22.01	15.26	0.034
QPSK	847.5	20635	3	8	4	22.02	15.27	0.034
QPSK	847.5	20635	3	8	7	21.96	15.21	0.033
QPSK	847.5	20635	3	15	0	22.05	15.30	0.034

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	22.27	15.52	0.036
16QAM	825.5	20415	3	1	8	22.47	15.72	0.037
16QAM	825.5	20415	3	1	14	21.99	15.24	0.033
16QAM	825.5	20415	3	8	0	20.98	14.23	0.026
16QAM	825.5	20415	3	8	4	21.12	14.37	0.027
16QAM	825.5	20415	3	8	7	21.07	14.32	0.027
16QAM	825.5	20415	3	15	0	21.17	14.42	0.028
16QAM	836.5	20525	3	1	0	22.16	15.41	0.035
16QAM	836.5	20525	3	1	8	22.31	15.56	0.036
16QAM	836.5	20525	3	1	14	22.22	15.47	0.035
16QAM	836.5	20525	3	8	0	20.82	14.07	0.026
16QAM	836.5	20525	3	8	4	21.18	14.43	0.028
16QAM	836.5	20525	3	8	7	21.08	14.33	0.027
16QAM	836.5	20525	3	15	0	21.02	14.27	0.027
16QAM	847.5	20635	3	1	0	22.49	15.74	0.037
16QAM	847.5	20635	3	1	8	22.20	15.45	0.035
16QAM	847.5	20635	3	1	14	22.48	15.73	0.037
16QAM	847.5	20635	3	8	0	21.03	14.28	0.027
16QAM	847.5	20635	3	8	4	21.09	14.34	0.027
16QAM	847.5	20635	3	8	7	20.91	14.16	0.026
16QAM	847.5	20635	3	15	0	21.10	14.35	0.027
64QAM	825.5	20415	3	1	0	22.15	15.40	0.035
64QAM	825.5	20415	3	1	8	22.09	15.34	0.034
64QAM	825.5	20415	3	1	14	22.62	15.87	0.039
64QAM	825.5	20415	3	8	0	21.15	14.40	0.028
64QAM	825.5	20415	3	8	4	21.18	14.43	0.028
64QAM	825.5	20415	3	8	7	21.01	14.26	0.027
64QAM	825.5	20415	3	15	0	21.01	14.26	0.027
64QAM	836.5	20525	3	1	0	21.94	15.19	0.033
64QAM	836.5	20525	3	1	8	22.65	15.90	0.039
64QAM	836.5	20525	3	1	14	22.62	15.87	0.039
64QAM	836.5	20525	3	8	0	20.86	14.11	0.026
64QAM	836.5	20525	3	8	4	20.93	14.18	0.026
64QAM	836.5	20525	3	8	7	21.05	14.30	0.027
64QAM	836.5	20525	3	15	0	20.91	14.16	0.026
64QAM	847.5	20635	3	1	0	22.26	15.51	0.036
64QAM	847.5	20635	3	1	8	22.55	15.80	0.038
64QAM	847.5	20635	3	1	14	22.37	15.62	0.036
64QAM	847.5	20635	3	8	0	20.98	14.23	0.026
64QAM	847.5	20635	3	8	4	21.02	14.27	0.027
64QAM	847.5	20635	3	8	7	21.15	14.40	0.028
64QAM	847.5	20635	3	15	0	20.99	14.24	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	23.01	16.26	0.042
QPSK	826.5	20425	5	1	12	23.12	16.37	0.043
QPSK	826.5	20425	5	1	24	22.90	16.15	0.041
QPSK	826.5	20425	5	12	0	22.00	15.25	0.033
QPSK	826.5	20425	5	12	7	22.08	15.33	0.034
QPSK	826.5	20425	5	12	13	21.94	15.19	0.033
QPSK	826.5	20425	5	25	0	21.97	15.22	0.033
QPSK	836.5	20525	5	1	0	23.13	16.38	0.043
QPSK	836.5	20525	5	1	12	23.34	16.59	0.046
QPSK	836.5	20525	5	1	24	23.01	16.26	0.042
QPSK	836.5	20525	5	12	0	21.98	15.23	0.033
QPSK	836.5	20525	5	12	7	22.06	15.31	0.034
QPSK	836.5	20525	5	12	13	21.86	15.11	0.032
QPSK	836.5	20525	5	25	0	22.01	15.26	0.034
QPSK	846.5	20625	5	1	0	22.89	16.14	0.041
QPSK	846.5	20625	5	1	12	23.06	16.31	0.043
QPSK	846.5	20625	5	1	24	22.78	16.03	0.040
QPSK	846.5	20625	5	12	0	21.88	15.13	0.033
QPSK	846.5	20625	5	12	7	21.92	15.17	0.033
QPSK	846.5	20625	5	12	13	22.01	15.26	0.034
QPSK	846.5	20625	5	25	0	21.95	15.20	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	22.56	15.81	0.038
16QAM	826.5	20425	5	1	12	22.05	15.30	0.034
16QAM	826.5	20425	5	1	24	22.23	15.48	0.035
16QAM	826.5	20425	5	12	0	21.14	14.39	0.027
16QAM	826.5	20425	5	12	7	21.21	14.46	0.028
16QAM	826.5	20425	5	12	13	21.06	14.31	0.027
16QAM	826.5	20425	5	25	0	21.19	14.44	0.028
16QAM	836.5	20525	5	1	0	22.48	15.73	0.037
16QAM	836.5	20525	5	1	12	22.61	15.86	0.039
16QAM	836.5	20525	5	1	24	22.58	15.83	0.038
16QAM	836.5	20525	5	12	0	21.09	14.34	0.027
16QAM	836.5	20525	5	12	7	21.15	14.40	0.028
16QAM	836.5	20525	5	12	13	21.05	14.30	0.027
16QAM	836.5	20525	5	25	0	20.99	14.24	0.027
16QAM	846.5	20625	5	1	0	22.02	15.27	0.034
16QAM	846.5	20625	5	1	12	22.24	15.49	0.035
16QAM	846.5	20625	5	1	24	22.25	15.50	0.035
16QAM	846.5	20625	5	12	0	21.10	14.35	0.027
16QAM	846.5	20625	5	12	7	21.03	14.28	0.027
16QAM	846.5	20625	5	12	13	21.15	14.40	0.028
16QAM	846.5	20625	5	25	0	21.10	14.35	0.027
64QAM	826.5	20425	5	1	0	21.99	15.24	0.033
64QAM	826.5	20425	5	1	12	22.30	15.55	0.036
64QAM	826.5	20425	5	1	24	22.24	15.49	0.035
64QAM	826.5	20425	5	12	0	21.12	14.37	0.027
64QAM	826.5	20425	5	12	7	21.16	14.41	0.028
64QAM	826.5	20425	5	12	13	21.20	14.45	0.028
64QAM	826.5	20425	5	25	0	21.03	14.28	0.027
64QAM	836.5	20525	5	1	0	22.22	15.47	0.035
64QAM	836.5	20525	5	1	12	22.42	15.67	0.037
64QAM	836.5	20525	5	1	24	22.17	15.42	0.035
64QAM	836.5	20525	5	12	0	21.08	14.33	0.027
64QAM	836.5	20525	5	12	7	21.16	14.41	0.028
64QAM	836.5	20525	5	12	13	21.19	14.44	0.028
64QAM	836.5	20525	5	25	0	20.91	14.16	0.026
64QAM	846.5	20625	5	1	0	21.99	15.24	0.033
64QAM	846.5	20625	5	1	12	22.83	16.08	0.041
64QAM	846.5	20625	5	1	24	22.22	15.47	0.035
64QAM	846.5	20625	5	12	0	20.90	14.15	0.026
64QAM	846.5	20625	5	12	7	21.07	14.32	0.027
64QAM	846.5	20625	5	12	13	21.01	14.26	0.027
64QAM	846.5	20625	5	25	0	20.77	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	829	20450	10	1	0	23.05	16.30	0.043
QPSK	829	20450	10	1	25	22.87	16.12	0.041
QPSK	829	20450	10	1	49	22.78	16.03	0.040
QPSK	829	20450	10	25	0	22.05	15.30	0.034
QPSK	829	20450	10	25	12	22.15	15.40	0.035
QPSK	829	20450	10	25	25	22.04	15.29	0.034
QPSK	829	20450	10	50	0	22.03	15.28	0.034
QPSK	836.5	20525	10	1	0	23.06	16.31	0.043
QPSK	836.5	20525	10	1	25	22.89	16.14	0.041
QPSK	836.5	20525	10	1	49	22.72	15.97	0.040
QPSK	836.5	20525	10	25	0	22.07	15.32	0.034
QPSK	836.5	20525	10	25	12	21.92	15.17	0.033
QPSK	836.5	20525	10	25	25	22.08	15.33	0.034
QPSK	836.5	20525	10	50	0	22.04	15.29	0.034
QPSK	844	20600	10	1	0	22.98	16.23	0.042
QPSK	844	20600	10	1	25	23.04	16.29	0.043
QPSK	844	20600	10	1	49	22.66	15.91	0.039
QPSK	844	20600	10	25	0	22.00	15.25	0.033
QPSK	844	20600	10	25	12	22.02	15.27	0.034
QPSK	844	20600	10	25	25	22.02	15.27	0.034
QPSK	844	20600	10	50	0	21.96	15.21	0.033

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	22.34	15.59	0.036
16QAM	829	20450	10	1	25	22.37	15.62	0.036
16QAM	829	20450	10	1	49	22.24	15.49	0.035
16QAM	829	20450	10	25	0	21.07	14.32	0.027
16QAM	829	20450	10	25	12	21.24	14.49	0.028
16QAM	829	20450	10	25	25	21.04	14.29	0.027
16QAM	829	20450	10	50	0	21.04	14.29	0.027
16QAM	836.5	20525	10	1	0	22.56	15.81	0.038
16QAM	836.5	20525	10	1	25	22.48	15.73	0.037
16QAM	836.5	20525	10	1	49	21.93	15.18	0.033
16QAM	836.5	20525	10	25	0	21.11	14.36	0.027
16QAM	836.5	20525	10	25	12	21.08	14.33	0.027
16QAM	836.5	20525	10	25	25	21.07	14.32	0.027
16QAM	836.5	20525	10	50	0	21.03	14.28	0.027
16QAM	844	20600	10	1	0	22.37	15.62	0.036
16QAM	844	20600	10	1	25	22.03	15.28	0.034
16QAM	844	20600	10	1	49	22.01	15.26	0.034
16QAM	844	20600	10	25	0	21.03	14.28	0.027
16QAM	844	20600	10	25	12	21.06	14.31	0.027
16QAM	844	20600	10	25	25	21.02	14.27	0.027
16QAM	844	20600	10	50	0	21.08	14.33	0.027
64QAM	829	20450	10	1	0	21.54	14.79	0.030
64QAM	829	20450	10	1	25	21.01	14.26	0.027
64QAM	829	20450	10	1	49	20.96	14.21	0.026
64QAM	829	20450	10	25	0	20.08	13.33	0.022
64QAM	829	20450	10	25	12	20.20	13.45	0.022
64QAM	829	20450	10	25	25	20.19	13.44	0.022
64QAM	829	20450	10	50	0	20.26	13.51	0.022
64QAM	836.5	20525	10	1	0	21.12	14.37	0.027
64QAM	836.5	20525	10	1	25	20.99	14.24	0.027
64QAM	836.5	20525	10	1	49	21.44	14.69	0.029
64QAM	836.5	20525	10	25	0	20.11	13.36	0.022
64QAM	836.5	20525	10	25	12	20.14	13.39	0.022
64QAM	836.5	20525	10	25	25	20.00	13.25	0.021
64QAM	836.5	20525	10	50	0	20.10	13.35	0.022
64QAM	844	20600	10	1	0	20.86	14.11	0.026
64QAM	844	20600	10	1	25	21.37	14.62	0.029
64QAM	844	20600	10	1	49	20.88	14.13	0.026
64QAM	844	20600	10	25	0	19.99	13.24	0.021
64QAM	844	20600	10	25	12	20.10	13.35	0.022
64QAM	844	20600	10	25	25	20.22	13.47	0.022
64QAM	844	20600	10	50	0	20.07	13.32	0.021