

Fig.61

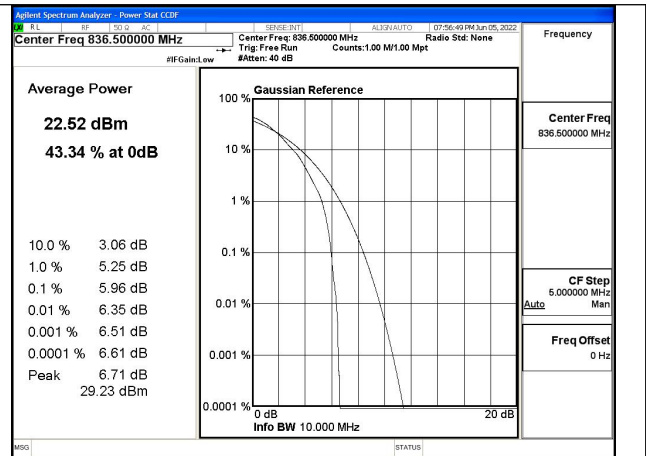


Fig.62

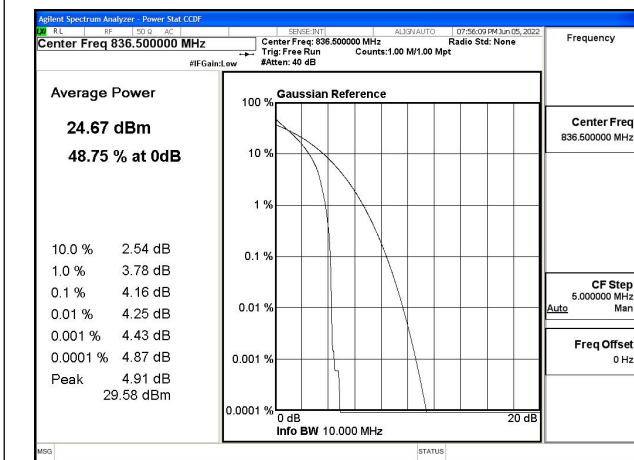


Fig.63

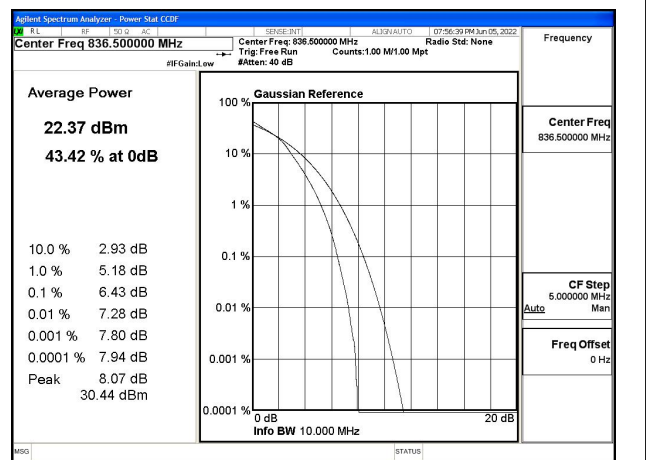


Fig.64

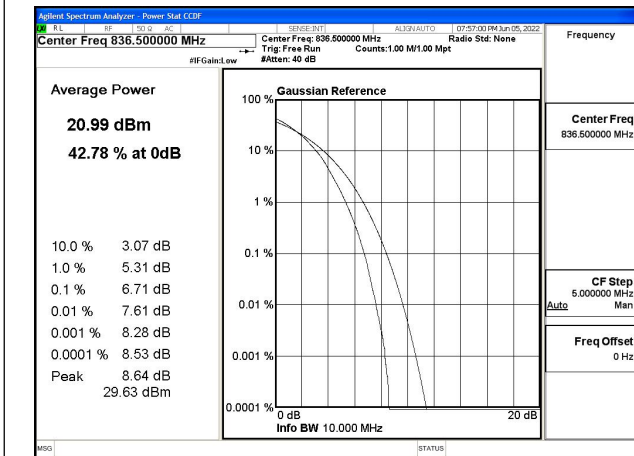


Fig.65

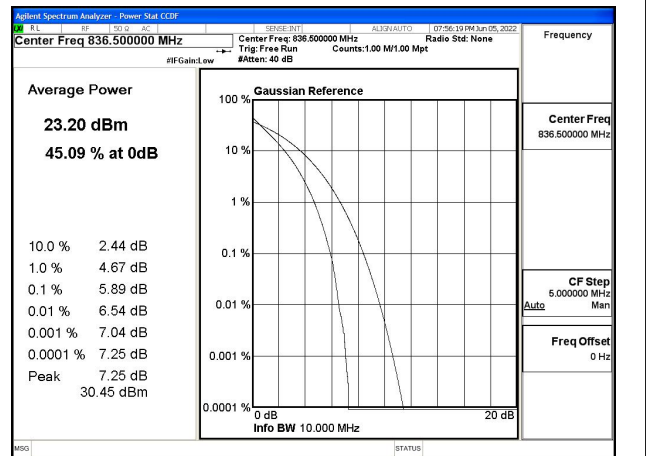


Fig.66

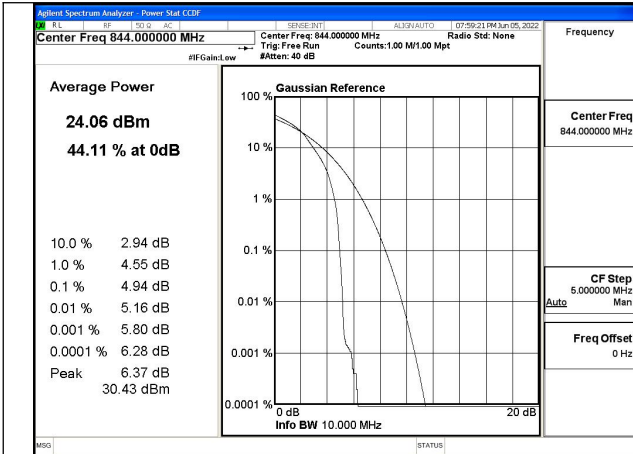


Fig.67

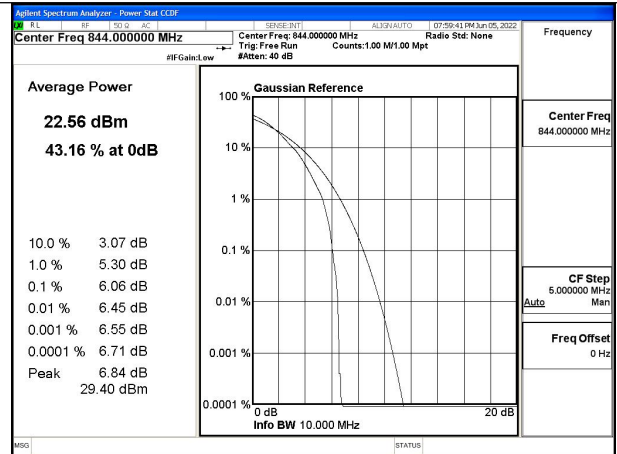


Fig.68

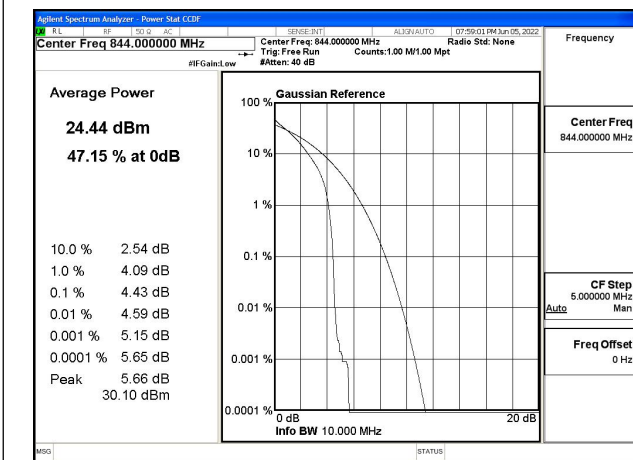


Fig.69

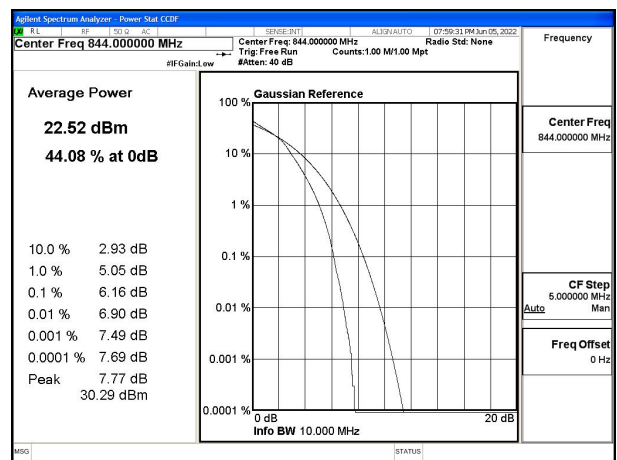


Fig.70

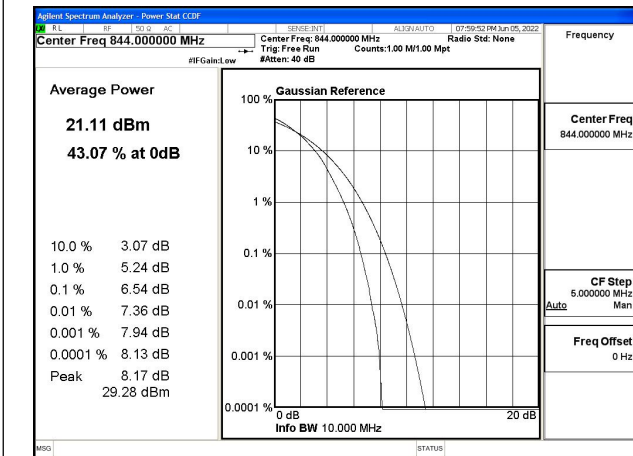


Fig.71

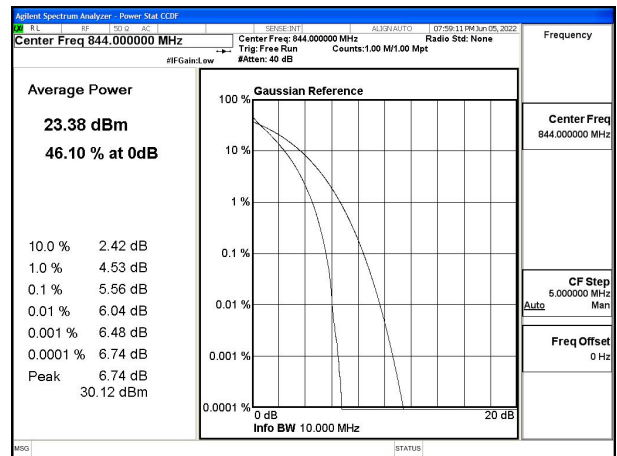


Fig.72

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

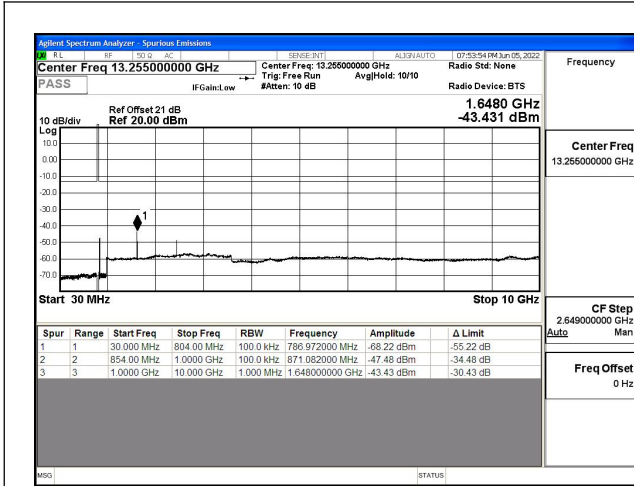


Fig.1

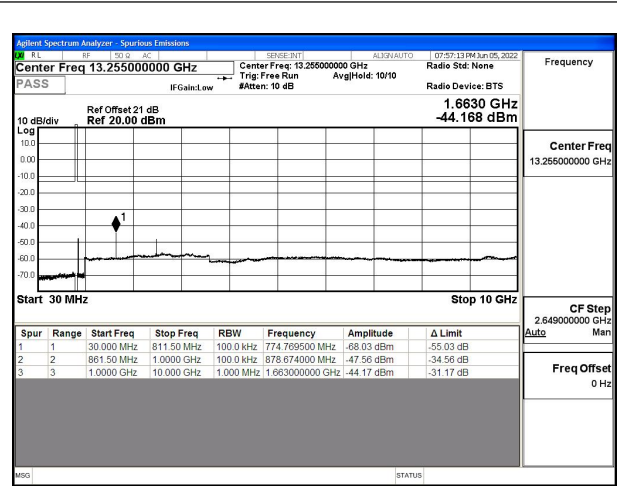


Fig.2

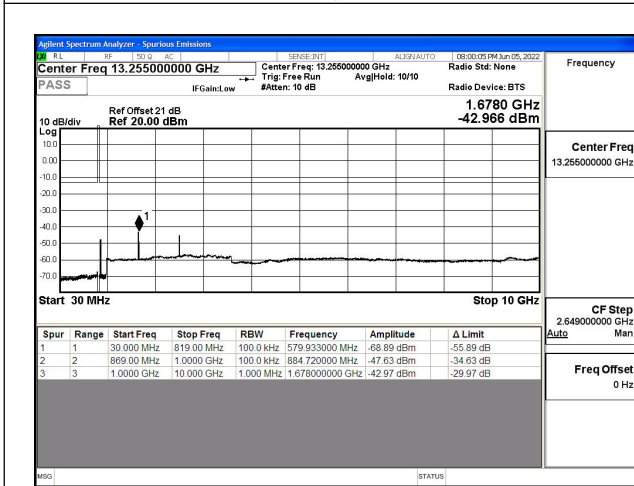


Fig.3

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

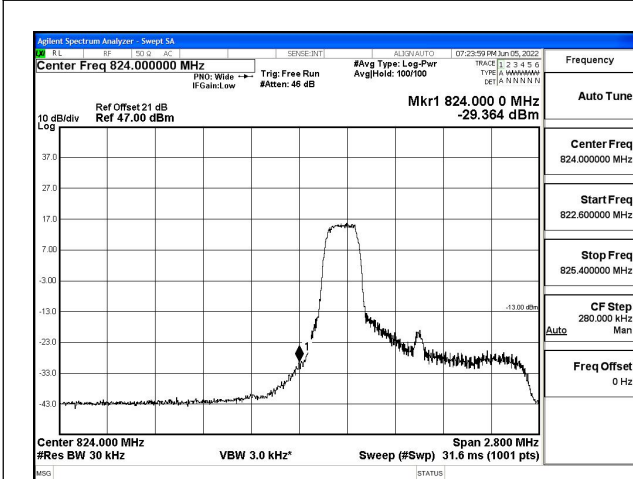


Fig.1

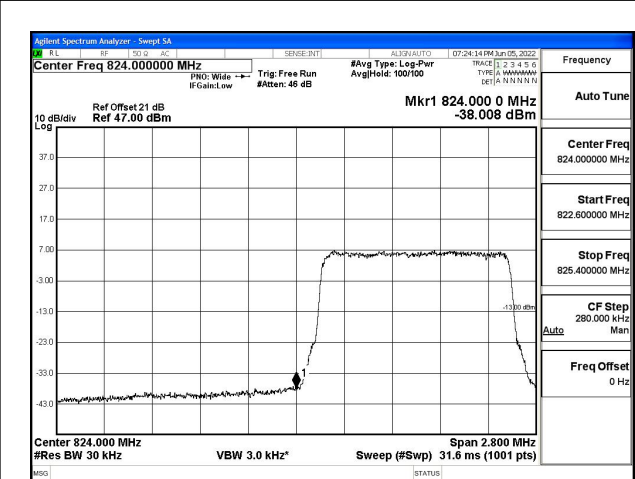


Fig.2

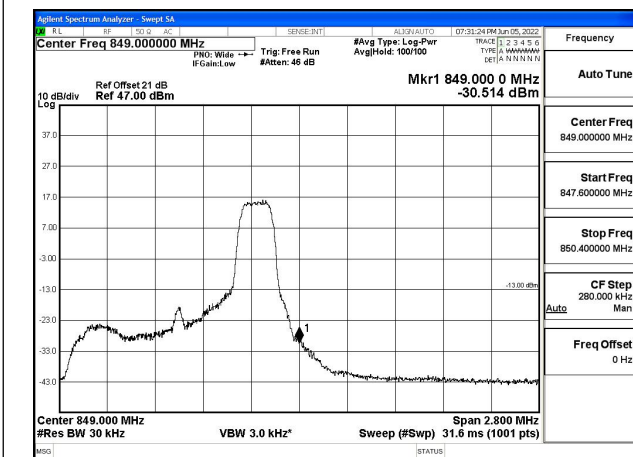


Fig.3

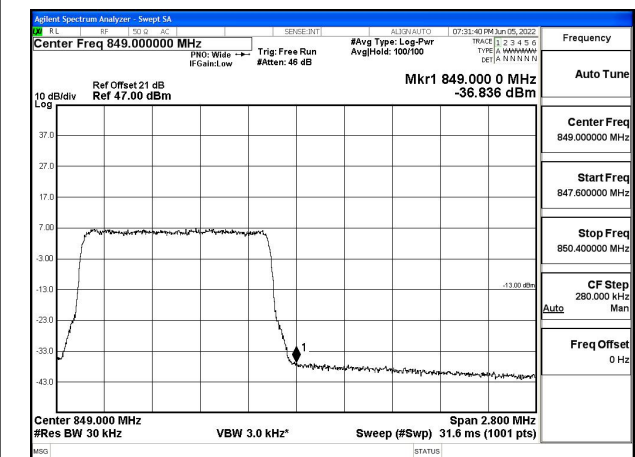


Fig.4

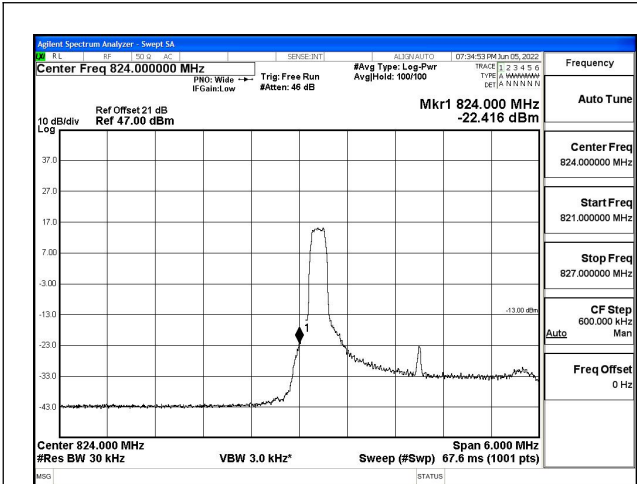


Fig.5

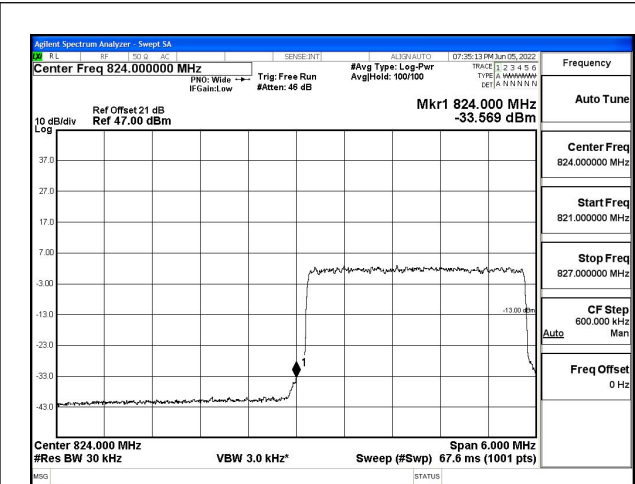


Fig.6

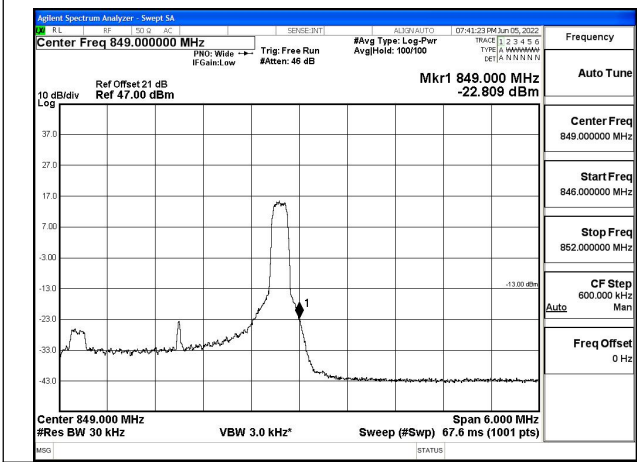


Fig.7

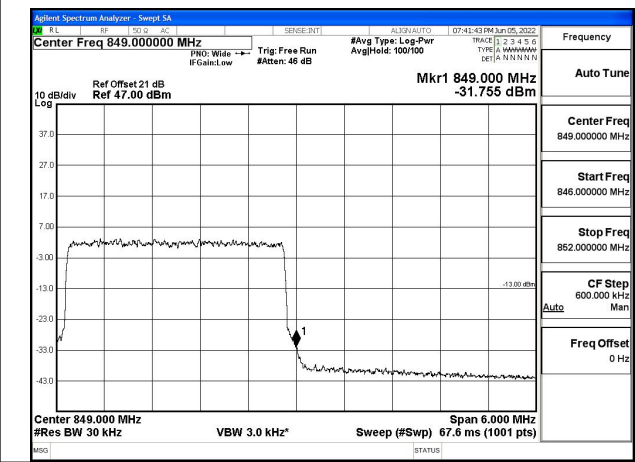


Fig.8

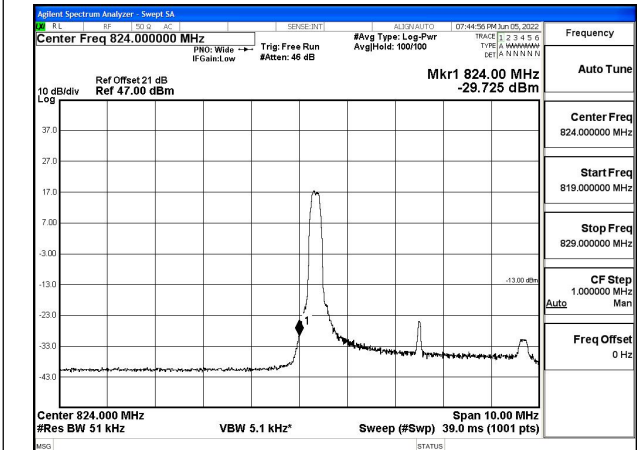


Fig.9

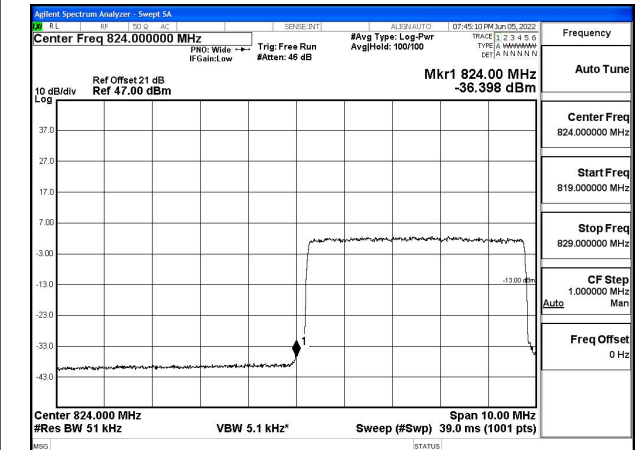


Fig.10

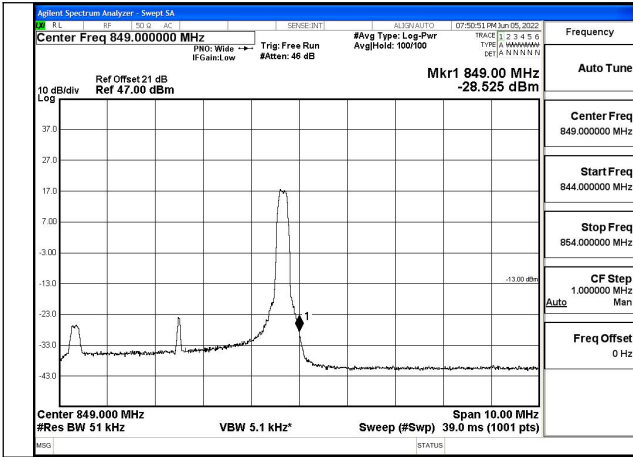


Fig.11

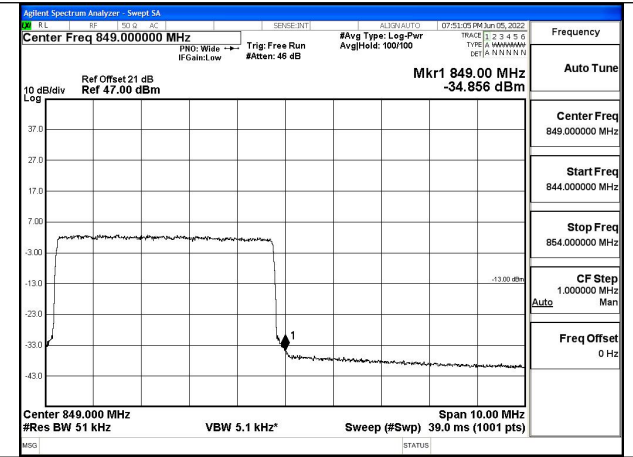


Fig.12

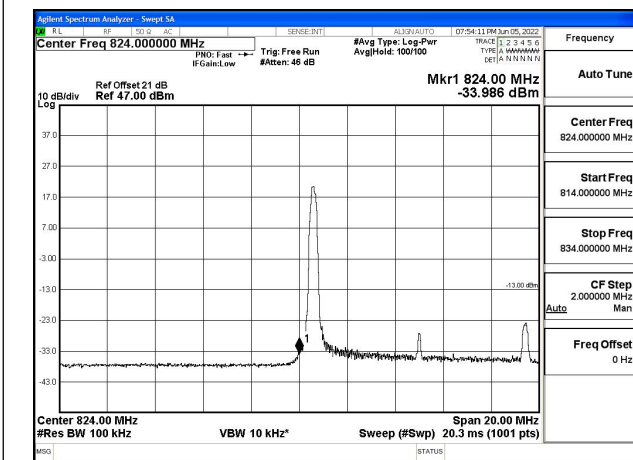


Fig.13

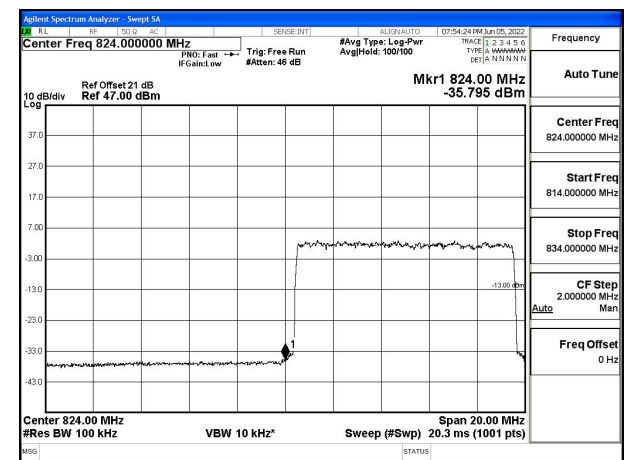


Fig.14

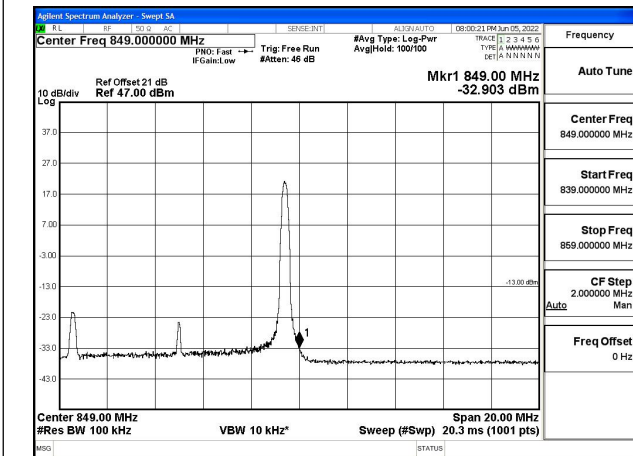


Fig.15

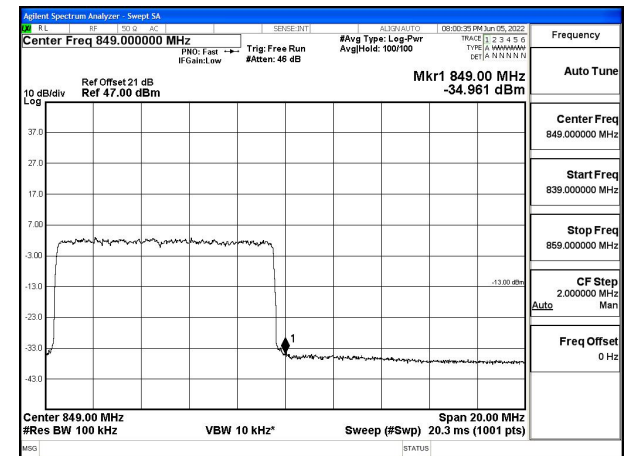


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
0	NV	0.035	0.027	0.031	0.017
+10	NV	0.031	0.019	0.031	0.025
+20	NV	0.024	0.022	0.031	0.026
+30	NV	0.024	0.026	0.033	0.019
+40	NV	0.034	-0.051	-0.030	0.026
+50	NV	0.003	0.011	0.029	0.024
+55	NV	0.018	0.029	0.046	0.021
+20	LV	0.025	0.020	0.033	0.015
+20	HV	0.028	0.028	0.033	0.027

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
0	NV	-0.030	-0.015	-0.017	-0.032
+10	NV	-0.021	-0.015	-0.008	-0.033
+20	NV	-0.029	-0.021	-0.018	-0.028
+30	NV	-0.017	-0.013	-0.014	-0.032
+40	NV	-0.027	-0.043	-0.041	-0.025
+50	NV	-0.052	-0.019	-0.029	-0.042
+55	NV	-0.023	-0.011	-0.032	-0.032
+20	LV	-0.033	-0.021	-0.015	-0.025
+20	HV	-0.025	-0.015	-0.024	-0.036

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	23.39	16.59	0.046
QPSK	824.7	20407	1.4	1	3	23.46	16.66	0.046
QPSK	824.7	20407	1.4	1	5	23.45	16.65	0.046
QPSK	824.7	20407	1.4	3	0	23.56	16.76	0.047
QPSK	824.7	20407	1.4	3	1	23.59	16.79	0.048
QPSK	824.7	20407	1.4	3	3	23.54	16.74	0.047
QPSK	824.7	20407	1.4	6	0	22.48	15.68	0.037
QPSK	836.5	20525	1.4	1	0	23.45	16.65	0.046
QPSK	836.5	20525	1.4	1	3	23.36	16.56	0.045
QPSK	836.5	20525	1.4	1	5	23.38	16.58	0.045
QPSK	836.5	20525	1.4	3	0	23.56	16.76	0.047
QPSK	836.5	20525	1.4	3	1	23.61	16.81	0.048
QPSK	836.5	20525	1.4	3	3	23.56	16.76	0.047
QPSK	836.5	20525	1.4	6	0	22.44	15.64	0.037
QPSK	848.3	20643	1.4	1	0	23.62	16.82	0.048
QPSK	848.3	20643	1.4	1	3	23.74	16.94	0.049
QPSK	848.3	20643	1.4	1	5	23.72	16.92	0.049
QPSK	848.3	20643	1.4	3	0	23.60	16.80	0.048
QPSK	848.3	20643	1.4	3	1	23.70	16.90	0.049

QPSK	848.3	20643	1.4	3	3	23.58	16.78	0.048
QPSK	848.3	20643	1.4	6	0	22.65	15.85	0.038

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	22.81	16.01	0.040
16QAM	824.7	20407	1.4	1	3	22.85	16.05	0.040
16QAM	824.7	20407	1.4	1	5	22.98	16.18	0.041
16QAM	824.7	20407	1.4	3	0	22.78	15.98	0.040
16QAM	824.7	20407	1.4	3	1	22.87	16.07	0.040
16QAM	824.7	20407	1.4	3	3	23.05	16.25	0.042
16QAM	824.7	20407	1.4	6	0	21.58	14.78	0.030
16QAM	836.5	20525	1.4	1	0	23.69	16.89	0.049
16QAM	836.5	20525	1.4	1	3	23.02	16.22	0.042
16QAM	836.5	20525	1.4	1	5	23.57	16.77	0.048
16QAM	836.5	20525	1.4	3	0	22.95	16.15	0.041
16QAM	836.5	20525	1.4	3	1	23.03	16.23	0.042
16QAM	836.5	20525	1.4	3	3	23.04	16.24	0.042
16QAM	836.5	20525	1.4	6	0	21.33	14.53	0.028
16QAM	848.3	20643	1.4	1	0	22.68	15.88	0.039
16QAM	848.3	20643	1.4	1	3	22.98	16.18	0.041
16QAM	848.3	20643	1.4	1	5	22.06	15.26	0.034
16QAM	848.3	20643	1.4	3	0	22.90	16.10	0.041
16QAM	848.3	20643	1.4	3	1	23.07	16.27	0.042
16QAM	848.3	20643	1.4	3	3	22.93	16.13	0.041
16QAM	848.3	20643	1.4	6	0	21.46	14.66	0.029
64QAM	824.7	20407	1.4	1	0	21.27	14.47	0.028
64QAM	824.7	20407	1.4	1	3	21.63	14.83	0.030
64QAM	824.7	20407	1.4	1	5	21.43	14.63	0.029
64QAM	824.7	20407	1.4	3	0	21.60	14.80	0.030
64QAM	824.7	20407	1.4	3	1	21.52	14.72	0.030
64QAM	824.7	20407	1.4	3	3	21.35	14.55	0.029
64QAM	824.7	20407	1.4	6	0	20.12	13.32	0.021
64QAM	836.5	20525	1.4	1	0	21.58	14.78	0.030
64QAM	836.5	20525	1.4	1	3	21.88	15.08	0.032
64QAM	836.5	20525	1.4	1	5	21.33	14.53	0.028
64QAM	836.5	20525	1.4	3	0	21.69	14.89	0.031
64QAM	836.5	20525	1.4	3	1	21.68	14.88	0.031
64QAM	836.5	20525	1.4	3	3	21.51	14.71	0.030
64QAM	836.5	20525	1.4	6	0	20.21	13.41	0.022
64QAM	848.3	20643	1.4	1	0	22.16	15.36	0.034
64QAM	848.3	20643	1.4	1	3	22.22	15.42	0.035
64QAM	848.3	20643	1.4	1	5	21.80	15.00	0.032
64QAM	848.3	20643	1.4	3	0	21.61	14.81	0.030
64QAM	848.3	20643	1.4	3	1	21.67	14.87	0.031
64QAM	848.3	20643	1.4	3	3	21.41	14.61	0.029

64QAM	848.3	20643	1.4	6	0	20.25	13.45	0.022
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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	23.62	16.82	0.048
QPSK	825.5	20415	3	1	8	23.51	16.71	0.047
QPSK	825.5	20415	3	1	14	23.34	16.54	0.045
QPSK	825.5	20415	3	8	0	22.64	15.84	0.038
QPSK	825.5	20415	3	8	4	22.55	15.75	0.038
QPSK	825.5	20415	3	8	7	22.50	15.70	0.037
QPSK	825.5	20415	3	15	0	22.51	15.71	0.037
QPSK	836.5	20525	3	1	0	23.73	16.93	0.049
QPSK	836.5	20525	3	1	8	23.57	16.77	0.048
QPSK	836.5	20525	3	1	14	23.41	16.61	0.046
QPSK	836.5	20525	3	8	0	22.26	15.46	0.035
QPSK	836.5	20525	3	8	4	22.61	15.81	0.038
QPSK	836.5	20525	3	8	7	22.49	15.69	0.037
QPSK	836.5	20525	3	15	0	22.46	15.66	0.037
QPSK	847.5	20635	3	1	0	23.53	16.73	0.047
QPSK	847.5	20635	3	1	8	23.51	16.71	0.047
QPSK	847.5	20635	3	1	14	23.46	16.66	0.046
QPSK	847.5	20635	3	8	0	22.71	15.91	0.039
QPSK	847.5	20635	3	8	4	22.57	15.77	0.038
QPSK	847.5	20635	3	8	7	22.68	15.88	0.039
QPSK	847.5	20635	3	15	0	22.54	15.74	0.037

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	23.09	16.29	0.043
16QAM	825.5	20415	3	1	8	23.14	16.34	0.043
16QAM	825.5	20415	3	1	14	23.26	16.46	0.044
16QAM	825.5	20415	3	8	0	21.86	15.06	0.032
16QAM	825.5	20415	3	8	4	21.91	15.11	0.032
16QAM	825.5	20415	3	8	7	21.87	15.07	0.032
16QAM	825.5	20415	3	15	0	21.66	14.86	0.031
16QAM	836.5	20525	3	1	0	23.59	16.79	0.048
16QAM	836.5	20525	3	1	8	22.99	16.19	0.042
16QAM	836.5	20525	3	1	14	23.12	16.32	0.043
16QAM	836.5	20525	3	8	0	21.78	14.98	0.031
16QAM	836.5	20525	3	8	4	21.87	15.07	0.032
16QAM	836.5	20525	3	8	7	21.73	14.93	0.031
16QAM	836.5	20525	3	15	0	21.67	14.87	0.031
16QAM	847.5	20635	3	1	0	23.38	16.58	0.045
16QAM	847.5	20635	3	1	8	23.58	16.78	0.048
16QAM	847.5	20635	3	1	14	23.43	16.63	0.046
16QAM	847.5	20635	3	8	0	21.93	15.13	0.033

16QAM	847.5	20635	3	8	4	21.93	15.13	0.033
16QAM	847.5	20635	3	8	7	21.86	15.06	0.032
16QAM	847.5	20635	3	15	0	21.77	14.97	0.031
64QAM	825.5	20415	3	1	0	21.62	14.82	0.030
64QAM	825.5	20415	3	1	8	21.73	14.93	0.031
64QAM	825.5	20415	3	1	14	21.56	14.76	0.030
64QAM	825.5	20415	3	8	0	19.95	13.15	0.021
64QAM	825.5	20415	3	8	4	20.09	13.29	0.021
64QAM	825.5	20415	3	8	7	20.03	13.23	0.021
64QAM	825.5	20415	3	15	0	20.30	13.50	0.022
64QAM	836.5	20525	3	1	0	22.53	15.73	0.037
64QAM	836.5	20525	3	1	8	22.29	15.49	0.035
64QAM	836.5	20525	3	1	14	21.88	15.08	0.032
64QAM	836.5	20525	3	8	0	19.97	13.17	0.021
64QAM	836.5	20525	3	8	4	20.25	13.45	0.022
64QAM	836.5	20525	3	8	7	20.26	13.46	0.022
64QAM	836.5	20525	3	15	0	20.30	13.50	0.022
64QAM	847.5	20635	3	1	0	21.96	15.16	0.033
64QAM	847.5	20635	3	1	8	21.64	14.84	0.030
64QAM	847.5	20635	3	1	14	21.82	15.02	0.032
64QAM	847.5	20635	3	8	0	20.10	13.30	0.021
64QAM	847.5	20635	3	8	4	20.27	13.47	0.022
64QAM	847.5	20635	3	8	7	20.23	13.43	0.022
64QAM	847.5	20635	3	15	0	20.38	13.58	0.023

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	23.36	16.56	0.045
QPSK	826.5	20425	5	1	12	23.54	16.74	0.047
QPSK	826.5	20425	5	1	24	23.58	16.78	0.048
QPSK	826.5	20425	5	12	0	22.54	15.74	0.037
QPSK	826.5	20425	5	12	7	22.36	15.56	0.036
QPSK	826.5	20425	5	12	13	22.60	15.80	0.038
QPSK	826.5	20425	5	25	0	22.32	15.52	0.036
QPSK	836.5	20525	5	1	0	23.58	16.78	0.048
QPSK	836.5	20525	5	1	12	23.48	16.68	0.047
QPSK	836.5	20525	5	1	24	23.59	16.79	0.048
QPSK	836.5	20525	5	12	0	22.53	15.73	0.037
QPSK	836.5	20525	5	12	7	22.60	15.80	0.038
QPSK	836.5	20525	5	12	13	22.52	15.72	0.037
QPSK	836.5	20525	5	25	0	22.48	15.68	0.037
QPSK	846.5	20625	5	1	0	23.83	17.03	0.050
QPSK	846.5	20625	5	1	12	23.89	17.09	0.051
QPSK	846.5	20625	5	1	24	23.97	17.17	0.052
QPSK	846.5	20625	5	12	0	22.62	15.82	0.038
QPSK	846.5	20625	5	12	7	22.65	15.85	0.038

QPSK	846.5	20625	5	12	13	22.52	15.72	0.037
QPSK	846.5	20625	5	25	0	22.74	15.94	0.039

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	23.03	16.23	0.042
16QAM	826.5	20425	5	1	12	23.10	16.30	0.043
16QAM	826.5	20425	5	1	24	22.89	16.09	0.041
16QAM	826.5	20425	5	12	0	21.62	14.82	0.030
16QAM	826.5	20425	5	12	7	21.57	14.77	0.030
16QAM	826.5	20425	5	12	13	21.57	14.77	0.030
16QAM	826.5	20425	5	25	0	21.60	14.80	0.030
16QAM	836.5	20525	5	1	0	23.50	16.70	0.047
16QAM	836.5	20525	5	1	12	23.61	16.81	0.048
16QAM	836.5	20525	5	1	24	23.22	16.42	0.044
16QAM	836.5	20525	5	12	0	21.68	14.88	0.031
16QAM	836.5	20525	5	12	7	21.85	15.05	0.032
16QAM	836.5	20525	5	12	13	21.89	15.09	0.032
16QAM	836.5	20525	5	25	0	21.49	14.69	0.029
16QAM	846.5	20625	5	1	0	22.92	16.12	0.041
16QAM	846.5	20625	5	1	12	23.15	16.35	0.043
16QAM	846.5	20625	5	1	24	22.90	16.10	0.041
16QAM	846.5	20625	5	12	0	21.72	14.92	0.031
16QAM	846.5	20625	5	12	7	21.85	15.05	0.032
16QAM	846.5	20625	5	12	13	21.85	15.05	0.032
16QAM	846.5	20625	5	25	0	21.97	15.17	0.033
64QAM	826.5	20425	5	1	0	21.70	14.90	0.031
64QAM	826.5	20425	5	1	12	21.64	14.84	0.030
64QAM	826.5	20425	5	1	24	20.97	14.17	0.026
64QAM	826.5	20425	5	12	0	20.43	13.63	0.023
64QAM	826.5	20425	5	12	7	20.04	13.24	0.021
64QAM	826.5	20425	5	12	13	20.08	13.28	0.021
64QAM	826.5	20425	5	25	0	20.06	13.26	0.021
64QAM	836.5	20525	5	1	0	21.51	14.71	0.030
64QAM	836.5	20525	5	1	12	21.77	14.97	0.031
64QAM	836.5	20525	5	1	24	21.88	15.08	0.032
64QAM	836.5	20525	5	12	0	20.02	13.22	0.021
64QAM	836.5	20525	5	12	7	20.14	13.34	0.022
64QAM	836.5	20525	5	12	13	20.15	13.35	0.022
64QAM	836.5	20525	5	25	0	20.19	13.39	0.022
64QAM	846.5	20625	5	1	0	22.31	15.51	0.036
64QAM	846.5	20625	5	1	12	22.53	15.73	0.037
64QAM	846.5	20625	5	1	24	22.03	15.23	0.033
64QAM	846.5	20625	5	12	0	20.39	13.59	0.023
64QAM	846.5	20625	5	12	7	20.41	13.61	0.023
64QAM	846.5	20625	5	12	13	20.16	13.36	0.022

64QAM	846.5	20625	5	25	0	20.62	13.82	0.024
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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	23.86	17.06	0.051
QPSK	829	20450	10	1	25	23.87	17.07	0.051
QPSK	829	20450	10	1	49	23.75	16.95	0.050
QPSK	829	20450	10	25	0	22.47	15.67	0.037
QPSK	829	20450	10	25	12	22.54	15.74	0.037
QPSK	829	20450	10	25	25	22.33	15.53	0.036
QPSK	829	20450	10	50	0	22.55	15.75	0.038
QPSK	836.5	20525	10	1	0	23.91	17.11	0.051
QPSK	836.5	20525	10	1	25	23.52	16.72	0.047
QPSK	836.5	20525	10	1	49	23.60	16.80	0.048
QPSK	836.5	20525	10	25	0	22.60	15.80	0.038
QPSK	836.5	20525	10	25	12	22.52	15.72	0.037
QPSK	836.5	20525	10	25	25	22.49	15.69	0.037
QPSK	836.5	20525	10	50	0	22.45	15.65	0.037
QPSK	844	20600	10	1	0	23.57	16.77	0.048
QPSK	844	20600	10	1	25	23.76	16.96	0.050
QPSK	844	20600	10	1	49	23.69	16.89	0.049
QPSK	844	20600	10	25	0	22.46	15.66	0.037
QPSK	844	20600	10	25	12	22.61	15.81	0.038
QPSK	844	20600	10	25	25	22.74	15.94	0.039
QPSK	844	20600	10	50	0	22.53	15.73	0.037

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	16.29	0.043
16QAM	829	20450	10	1	25	22.73	15.93	0.039
16QAM	829	20450	10	1	49	23.03	16.23	0.042
16QAM	829	20450	10	25	0	21.85	15.05	0.032
16QAM	829	20450	10	25	12	21.78	14.98	0.031
16QAM	829	20450	10	25	25	21.97	15.17	0.033
16QAM	829	20450	10	50	0	21.55	14.75	0.030
16QAM	836.5	20525	10	1	0	23.12	16.32	0.043
16QAM	836.5	20525	10	1	25	22.97	16.17	0.041
16QAM	836.5	20525	10	1	49	23.22	16.42	0.044
16QAM	836.5	20525	10	25	0	21.67	14.87	0.031
16QAM	836.5	20525	10	25	12	21.75	14.95	0.031
16QAM	836.5	20525	10	25	25	21.54	14.74	0.030
16QAM	836.5	20525	10	50	0	21.56	14.76	0.030
16QAM	844	20600	10	1	0	23.09	16.29	0.043
16QAM	844	20600	10	1	25	23.51	16.71	0.047
16QAM	844	20600	10	1	49	23.29	16.49	0.045
16QAM	844	20600	10	25	0	21.54	14.74	0.030

16QAM	844	20600	10	25	12	21.69	14.89	0.031
16QAM	844	20600	10	25	25	21.73	14.93	0.031
16QAM	844	20600	10	50	0	21.78	14.98	0.031
64QAM	829	20450	10	1	0	21.48	14.68	0.029
64QAM	829	20450	10	1	25	21.97	15.17	0.033
64QAM	829	20450	10	1	49	21.44	14.64	0.029
64QAM	829	20450	10	25	0	20.08	13.28	0.021
64QAM	829	20450	10	25	12	20.52	13.72	0.024
64QAM	829	20450	10	25	25	20.18	13.38	0.022
64QAM	829	20450	10	50	0	20.04	13.24	0.021
64QAM	836.5	20525	10	1	0	21.57	14.77	0.030
64QAM	836.5	20525	10	1	25	21.30	14.50	0.028
64QAM	836.5	20525	10	1	49	21.97	15.17	0.033
64QAM	836.5	20525	10	25	0	20.16	13.36	0.022
64QAM	836.5	20525	10	25	12	20.10	13.30	0.021
64QAM	836.5	20525	10	25	25	20.24	13.44	0.022
64QAM	836.5	20525	10	50	0	20.09	13.29	0.021
64QAM	844	20600	10	1	0	21.67	14.87	0.031
64QAM	844	20600	10	1	25	21.73	14.93	0.031
64QAM	844	20600	10	1	49	21.33	14.53	0.028
64QAM	844	20600	10	25	0	20.20	13.40	0.022
64QAM	844	20600	10	25	12	20.30	13.50	0.022
64QAM	844	20600	10	25	25	20.13	13.33	0.022
64QAM	844	20600	10	50	0	20.22	13.42	0.022