

Fig.61

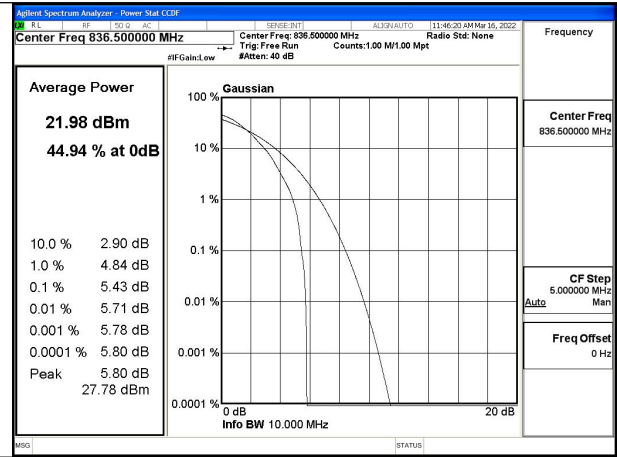


Fig.62

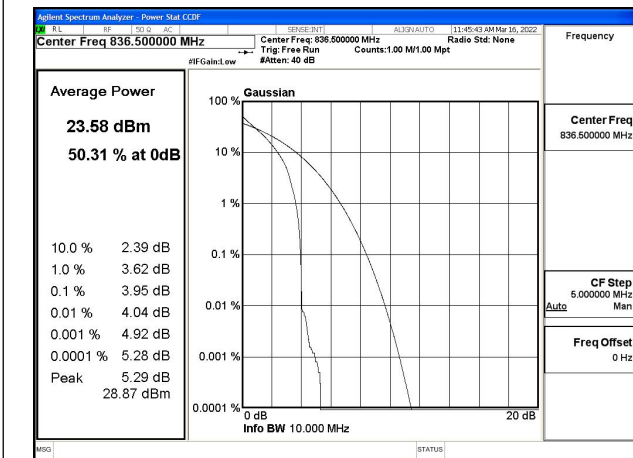


Fig.63

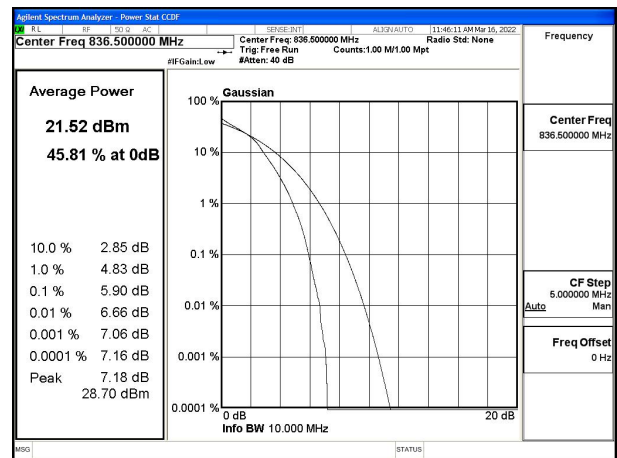


Fig.64

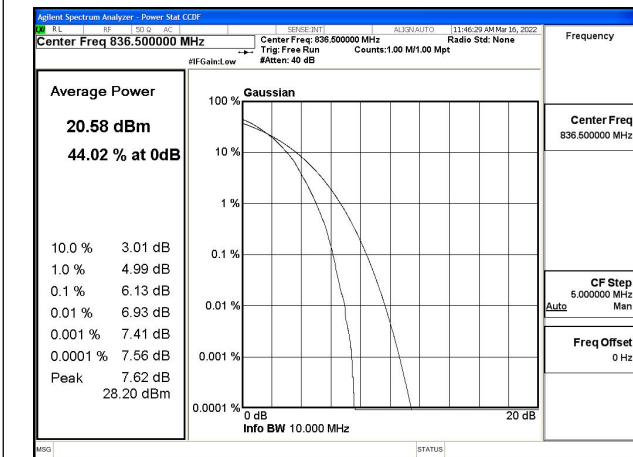


Fig.65

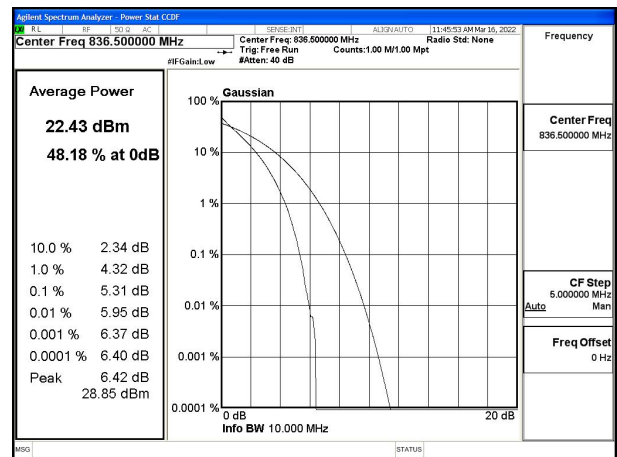


Fig.66

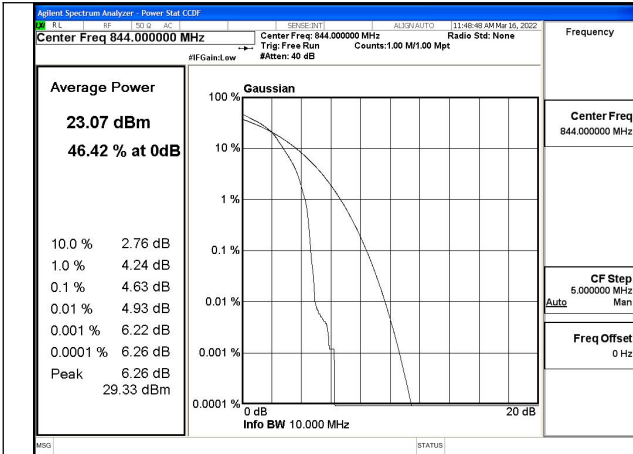


Fig.67

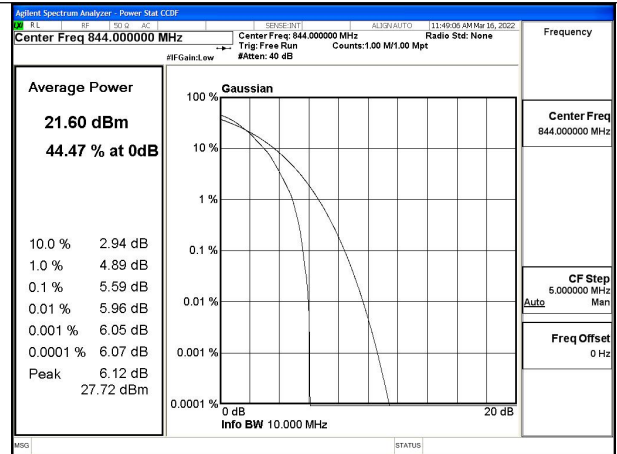


Fig.68

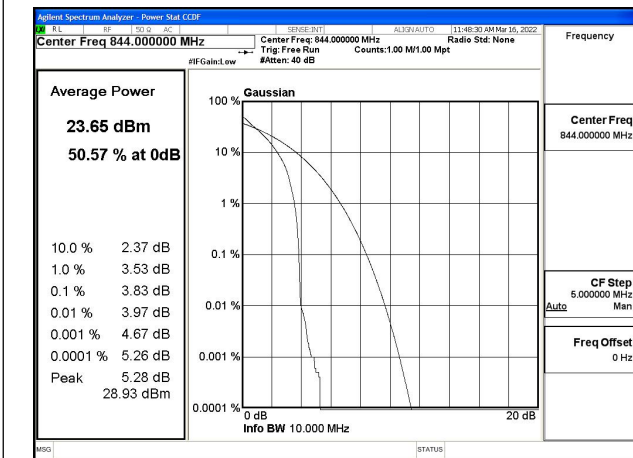


Fig.69

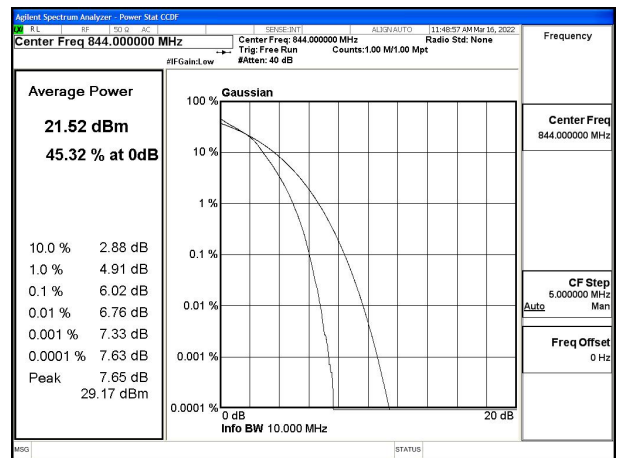


Fig.70

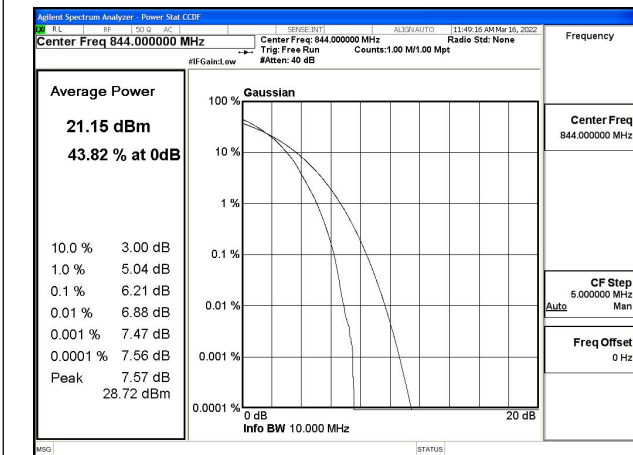


Fig.71

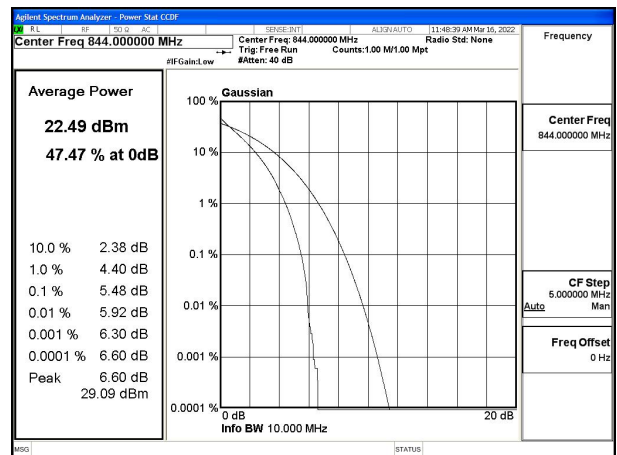


Fig.72

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

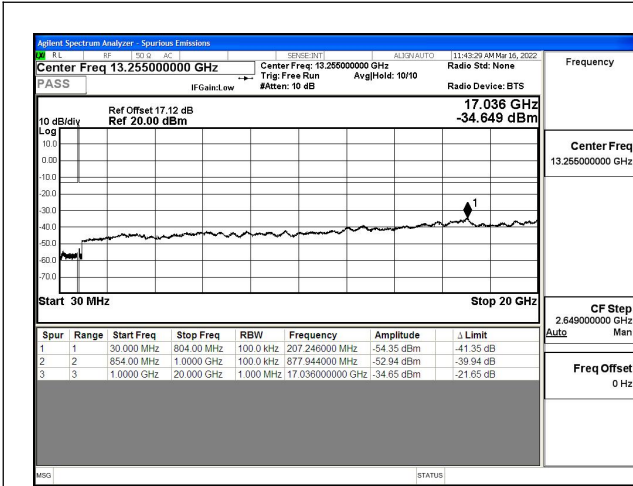


Fig.1

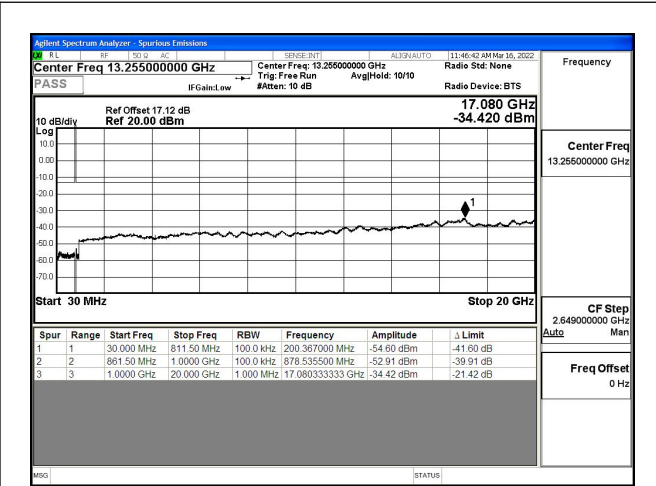


Fig.2

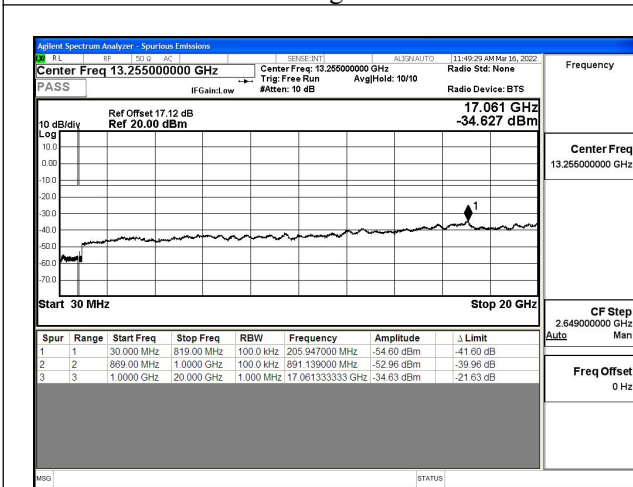


Fig.3

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

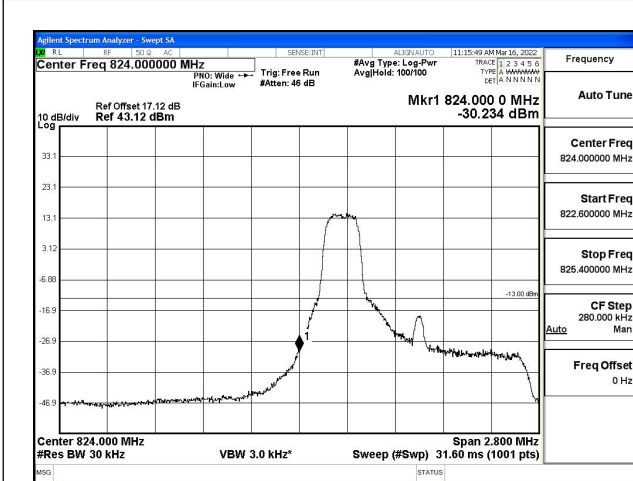


Fig.1

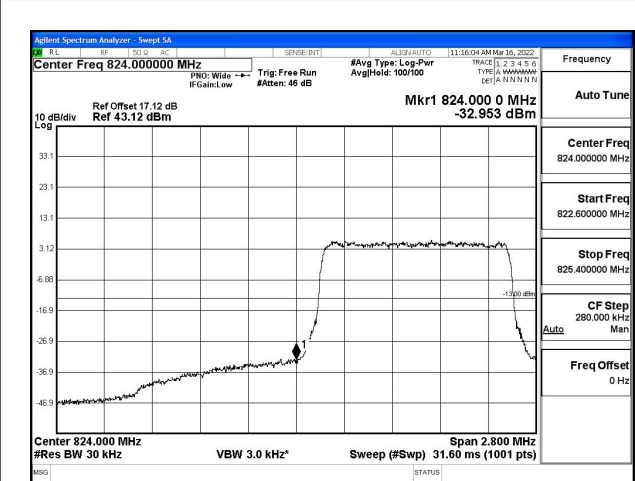


Fig.2

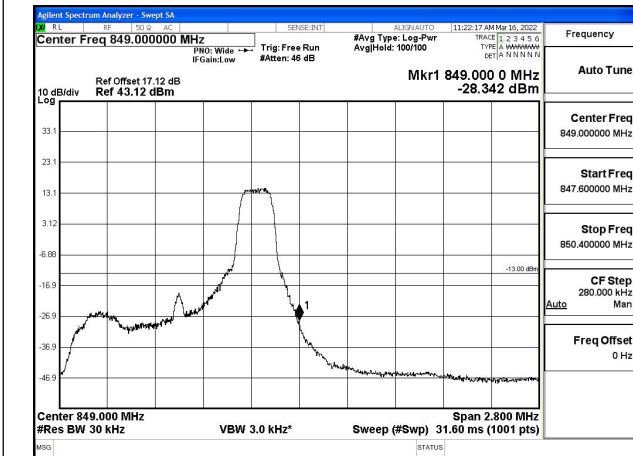


Fig.3

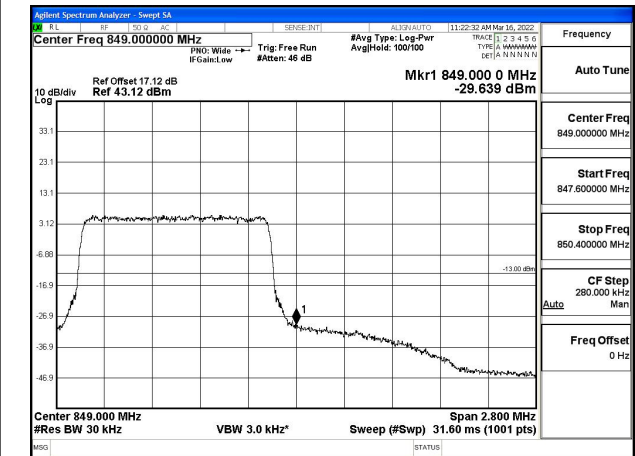


Fig.4

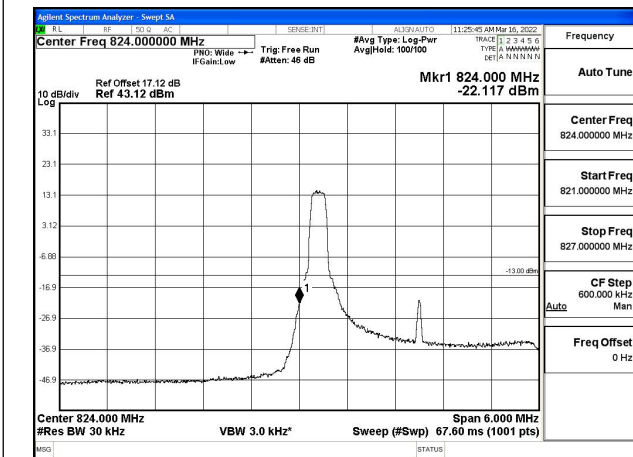


Fig.5

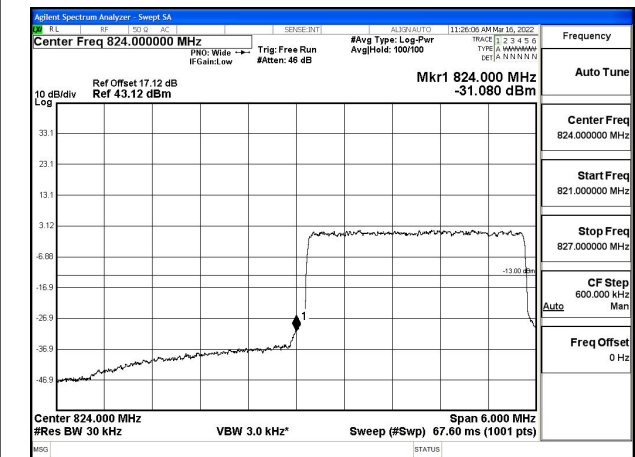


Fig.6

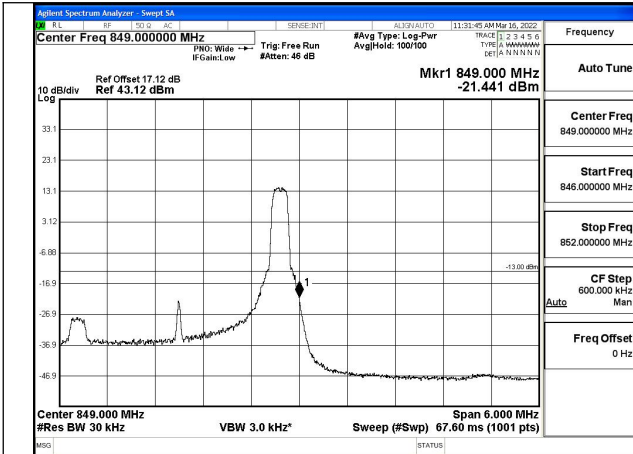


Fig.7

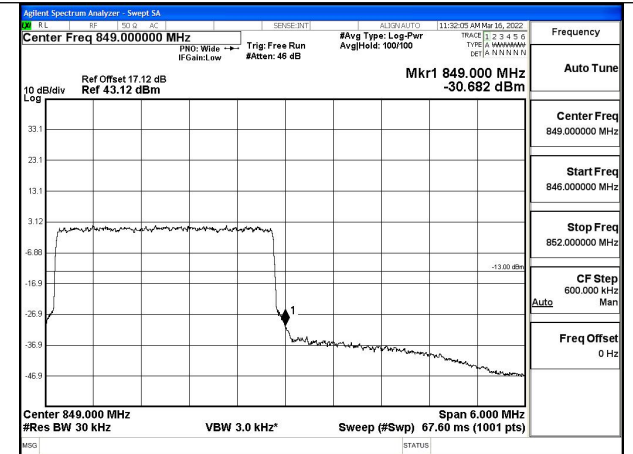


Fig.8

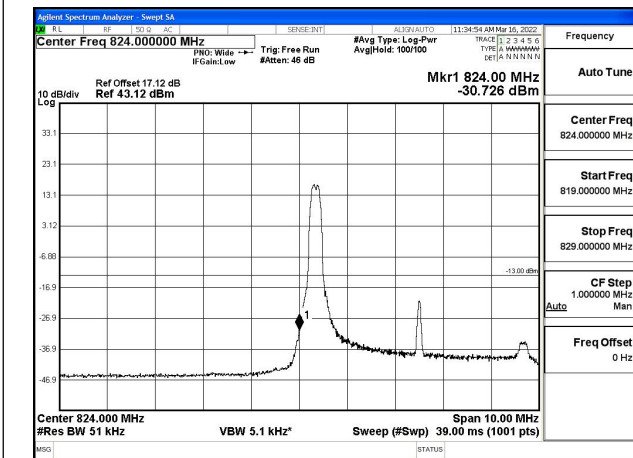


Fig.9

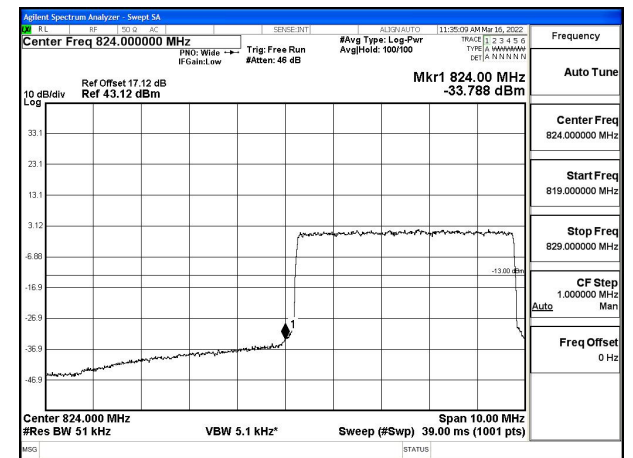


Fig.10

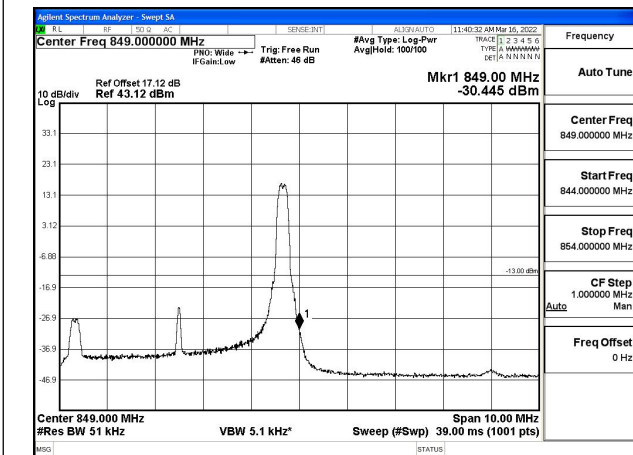


Fig.11

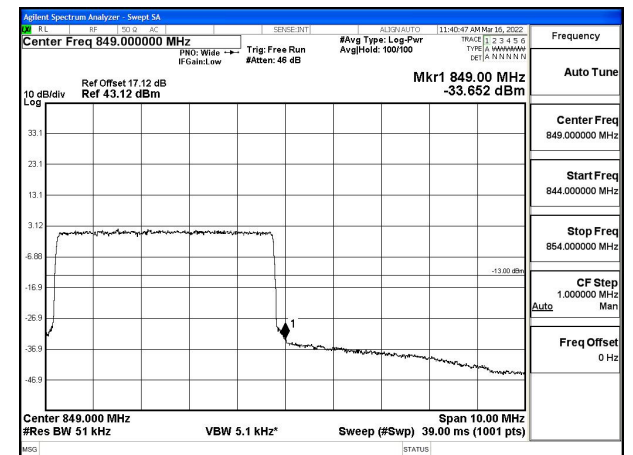


Fig.12

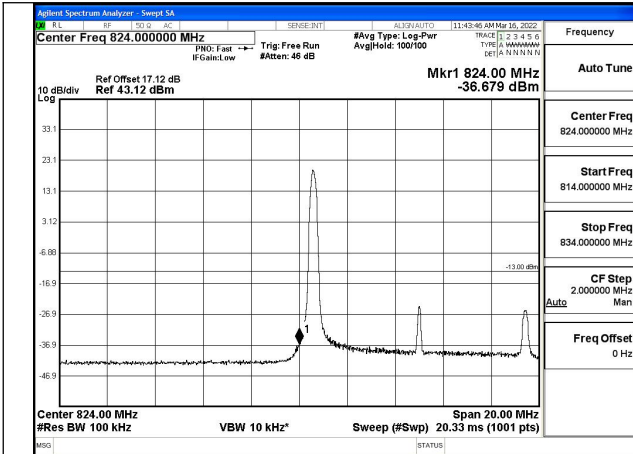


Fig.13

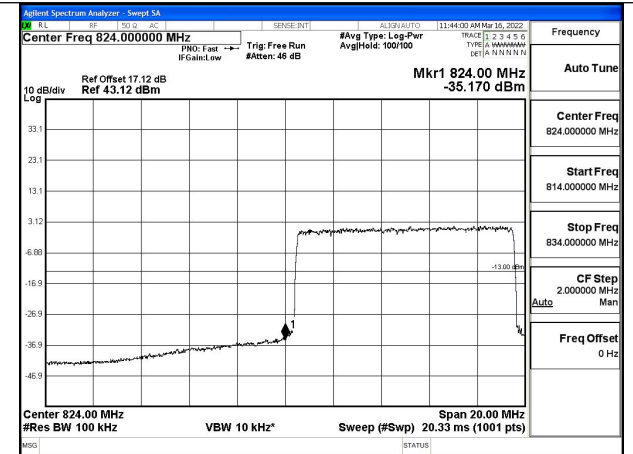


Fig.14

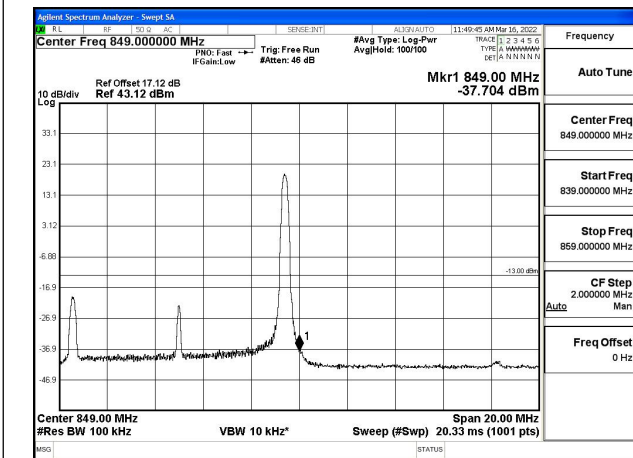


Fig.15

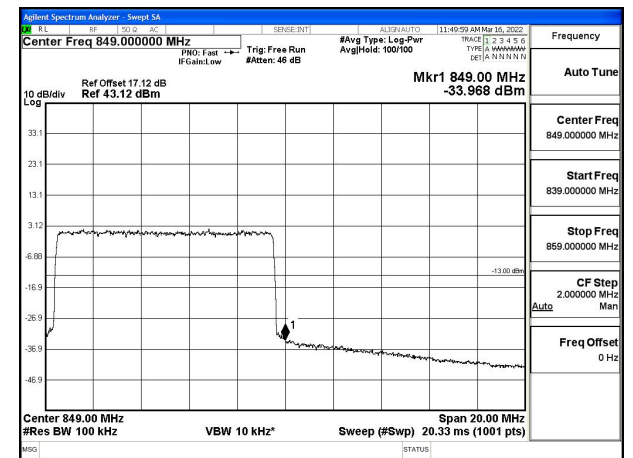


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.037	-0.003	-0.016	0.011
0	NV	0.009	-0.017	0.006	0.013
+10	NV	-0.052	0.025	0.026	-0.020
+20	NV	-0.008	-0.045	0.017	-0.009
+30	NV	-0.056	-0.040	-0.021	0.029
+40	NV	-0.037	-0.041	0.010	0.006
+50	NV	0.033	0.046	0.031	-0.017
+20	LV	0.013	0.040	0.027	-0.008
+20	HV	0.005	-0.016	-0.008	-0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.035	-0.038	-0.022	-0.024
0	NV	-0.049	-0.029	-0.015	-0.023
+10	NV	-0.043	-0.044	-0.003	-0.039
+20	NV	-0.010	0.013	0.031	-0.017
+30	NV	-0.036	-0.028	0.026	-0.020
+40	NV	-0.054	-0.045	-0.036	-0.018
+50	NV	0.047	0.047	0.049	0.037
+20	LV	0.006	0.035	0.017	-0.009
+20	HV	-0.004	0.014	0.008	-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	23.50	18.80	0.076
QPSK	824.7	20407	1.4	1	3	23.33	18.63	0.073
QPSK	824.7	20407	1.4	1	5	23.25	18.55	0.072
QPSK	824.7	20407	1.4	3	0	23.61	18.91	0.078
QPSK	824.7	20407	1.4	3	1	23.66	18.96	0.079
QPSK	824.7	20407	1.4	3	3	23.58	18.88	0.077
QPSK	824.7	20407	1.4	6	0	22.50	17.80	0.060
QPSK	836.5	20525	1.4	1	0	23.81	19.11	0.081
QPSK	836.5	20525	1.4	1	3	23.78	19.08	0.081
QPSK	836.5	20525	1.4	1	5	23.70	19.00	0.079
QPSK	836.5	20525	1.4	3	0	23.70	19.00	0.079
QPSK	836.5	20525	1.4	3	1	23.71	19.01	0.080
QPSK	836.5	20525	1.4	3	3	23.62	18.92	0.078
QPSK	836.5	20525	1.4	6	0	22.64	17.94	0.062
QPSK	848.3	20643	1.4	1	0	23.74	19.04	0.080
QPSK	848.3	20643	1.4	1	3	23.92	19.22	0.084
QPSK	848.3	20643	1.4	1	5	23.93	19.23	0.084
QPSK	848.3	20643	1.4	3	0	23.60	18.90	0.078
QPSK	848.3	20643	1.4	3	1	23.68	18.98	0.079
QPSK	848.3	20643	1.4	3	3	23.59	18.89	0.077
QPSK	848.3	20643	1.4	6	0	22.71	18.01	0.063

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	22.89	18.19	0.066
16QAM	824.7	20407	1.4	1	3	22.94	18.24	0.067
16QAM	824.7	20407	1.4	1	5	23.03	18.33	0.068
16QAM	824.7	20407	1.4	3	0	22.78	18.08	0.064
16QAM	824.7	20407	1.4	3	1	22.82	18.12	0.065
16QAM	824.7	20407	1.4	3	3	22.74	18.04	0.064
16QAM	824.7	20407	1.4	6	0	21.31	16.61	0.046
16QAM	836.5	20525	1.4	1	0	23.17	18.47	0.070
16QAM	836.5	20525	1.4	1	3	23.25	18.55	0.072
16QAM	836.5	20525	1.4	1	5	23.06	18.36	0.069
16QAM	836.5	20525	1.4	3	0	22.63	17.93	0.062
16QAM	836.5	20525	1.4	3	1	22.86	18.16	0.065
16QAM	836.5	20525	1.4	3	3	22.75	18.05	0.064
16QAM	836.5	20525	1.4	6	0	21.54	16.84	0.048
16QAM	848.3	20643	1.4	1	0	22.87	18.17	0.066
16QAM	848.3	20643	1.4	1	3	23.08	18.38	0.069
16QAM	848.3	20643	1.4	1	5	22.80	18.10	0.065
16QAM	848.3	20643	1.4	3	0	22.82	18.12	0.065
16QAM	848.3	20643	1.4	3	1	23.07	18.37	0.069
16QAM	848.3	20643	1.4	3	3	22.80	18.10	0.065
16QAM	848.3	20643	1.4	6	0	21.39	16.69	0.047
64QAM	824.7	20407	1.4	1	0	22.15	17.45	0.056
64QAM	824.7	20407	1.4	1	3	21.85	17.15	0.052
64QAM	824.7	20407	1.4	1	5	22.22	17.52	0.056
64QAM	824.7	20407	1.4	3	0	21.53	16.83	0.048
64QAM	824.7	20407	1.4	3	1	21.44	16.74	0.047
64QAM	824.7	20407	1.4	3	3	21.45	16.75	0.047
64QAM	824.7	20407	1.4	6	0	20.89	16.19	0.042
64QAM	836.5	20525	1.4	1	0	22.52	17.82	0.061
64QAM	836.5	20525	1.4	1	3	22.27	17.57	0.057
64QAM	836.5	20525	1.4	1	5	22.53	17.83	0.061
64QAM	836.5	20525	1.4	3	0	21.61	16.91	0.049
64QAM	836.5	20525	1.4	3	1	21.43	16.73	0.047
64QAM	836.5	20525	1.4	3	3	21.65	16.95	0.050
64QAM	836.5	20525	1.4	6	0	20.43	15.73	0.037
64QAM	848.3	20643	1.4	1	0	21.24	16.54	0.045
64QAM	848.3	20643	1.4	1	3	21.58	16.88	0.049
64QAM	848.3	20643	1.4	1	5	21.57	16.87	0.049
64QAM	848.3	20643	1.4	3	0	21.49	16.79	0.048
64QAM	848.3	20643	1.4	3	1	21.58	16.88	0.049
64QAM	848.3	20643	1.4	3	3	21.26	16.56	0.045
64QAM	848.3	20643	1.4	6	0	20.48	15.78	0.038

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	23.51	18.81	0.076
QPSK	825.5	20415	3	1	8	23.43	18.73	0.075
QPSK	825.5	20415	3	1	14	23.40	18.70	0.074
QPSK	825.5	20415	3	8	0	22.52	17.82	0.061
QPSK	825.5	20415	3	8	4	22.59	17.89	0.062
QPSK	825.5	20415	3	8	7	22.60	17.90	0.062
QPSK	825.5	20415	3	15	0	22.55	17.85	0.061
QPSK	836.5	20525	3	1	0	23.72	19.02	0.080
QPSK	836.5	20525	3	1	8	23.62	18.92	0.078
QPSK	836.5	20525	3	1	14	23.74	19.04	0.080
QPSK	836.5	20525	3	8	0	22.59	17.89	0.062
QPSK	836.5	20525	3	8	4	22.60	17.90	0.062
QPSK	836.5	20525	3	8	7	22.55	17.85	0.061
QPSK	836.5	20525	3	15	0	22.63	17.93	0.062
QPSK	847.5	20635	3	1	0	23.78	19.08	0.081
QPSK	847.5	20635	3	1	8	23.79	19.09	0.081
QPSK	847.5	20635	3	1	14	23.65	18.95	0.079
QPSK	847.5	20635	3	8	0	22.70	18.00	0.063
QPSK	847.5	20635	3	8	4	22.76	18.06	0.064
QPSK	847.5	20635	3	8	7	22.64	17.94	0.062
QPSK	847.5	20635	3	15	0	22.62	17.92	0.062

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	22.52	17.82	0.061
16QAM	825.5	20415	3	1	8	22.94	18.24	0.067
16QAM	825.5	20415	3	1	14	23.14	18.44	0.070
16QAM	825.5	20415	3	8	0	21.56	16.86	0.049
16QAM	825.5	20415	3	8	4	21.53	16.83	0.048
16QAM	825.5	20415	3	8	7	21.64	16.94	0.049
16QAM	825.5	20415	3	15	0	21.54	16.84	0.048
16QAM	836.5	20525	3	1	0	23.28	18.58	0.072
16QAM	836.5	20525	3	1	8	23.02	18.32	0.068
16QAM	836.5	20525	3	1	14	23.06	18.36	0.069
16QAM	836.5	20525	3	8	0	21.72	17.02	0.050
16QAM	836.5	20525	3	8	4	21.74	17.04	0.051
16QAM	836.5	20525	3	8	7	21.89	17.19	0.052
16QAM	836.5	20525	3	15	0	21.62	16.92	0.049
16QAM	847.5	20635	3	1	0	23.10	18.40	0.069
16QAM	847.5	20635	3	1	8	22.88	18.18	0.066
16QAM	847.5	20635	3	1	14	22.90	18.20	0.066
16QAM	847.5	20635	3	8	0	21.77	17.07	0.051
16QAM	847.5	20635	3	8	4	21.66	16.96	0.050
16QAM	847.5	20635	3	8	7	21.64	16.94	0.049
16QAM	847.5	20635	3	15	0	21.71	17.01	0.050
64QAM	825.5	20415	3	1	0	21.51	16.81	0.048
64QAM	825.5	20415	3	1	8	21.61	16.91	0.049
64QAM	825.5	20415	3	1	14	21.60	16.90	0.049
64QAM	825.5	20415	3	8	0	20.73	16.03	0.040
64QAM	825.5	20415	3	8	4	20.72	16.02	0.040
64QAM	825.5	20415	3	8	7	20.41	15.71	0.037
64QAM	825.5	20415	3	15	0	20.93	16.23	0.042
64QAM	836.5	20525	3	1	0	21.40	16.70	0.047
64QAM	836.5	20525	3	1	8	21.91	17.21	0.053
64QAM	836.5	20525	3	1	14	21.58	16.88	0.049
64QAM	836.5	20525	3	8	0	20.42	15.72	0.037
64QAM	836.5	20525	3	8	4	20.45	15.75	0.038
64QAM	836.5	20525	3	8	7	20.68	15.98	0.040
64QAM	836.5	20525	3	15	0	20.63	15.93	0.039
64QAM	847.5	20635	3	1	0	22.29	17.59	0.057
64QAM	847.5	20635	3	1	8	22.06	17.36	0.054
64QAM	847.5	20635	3	1	14	22.18	17.48	0.056
64QAM	847.5	20635	3	8	0	20.44	15.74	0.037
64QAM	847.5	20635	3	8	4	20.71	16.01	0.040
64QAM	847.5	20635	3	8	7	20.58	15.88	0.039
64QAM	847.5	20635	3	15	0	20.64	15.94	0.039

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	23.57	18.87	0.077
QPSK	826.5	20425	5	1	12	23.51	18.81	0.076
QPSK	826.5	20425	5	1	24	23.45	18.75	0.075
QPSK	826.5	20425	5	12	0	22.41	17.71	0.059
QPSK	826.5	20425	5	12	7	22.68	17.98	0.063
QPSK	826.5	20425	5	12	13	22.46	17.76	0.060
QPSK	826.5	20425	5	25	0	22.57	17.87	0.061
QPSK	836.5	20525	5	1	0	23.73	19.03	0.080
QPSK	836.5	20525	5	1	12	23.68	18.98	0.079
QPSK	836.5	20525	5	1	24	23.76	19.06	0.081
QPSK	836.5	20525	5	12	0	22.55	17.85	0.061
QPSK	836.5	20525	5	12	7	22.60	17.90	0.062
QPSK	836.5	20525	5	12	13	22.72	18.02	0.063
QPSK	836.5	20525	5	25	0	22.52	17.82	0.061
QPSK	846.5	20625	5	1	0	23.66	18.96	0.079
QPSK	846.5	20625	5	1	12	23.75	19.05	0.080
QPSK	846.5	20625	5	1	24	23.60	18.90	0.078
QPSK	846.5	20625	5	12	0	22.66	17.96	0.063
QPSK	846.5	20625	5	12	7	22.70	18.00	0.063
QPSK	846.5	20625	5	12	13	22.63	17.93	0.062
QPSK	846.5	20625	5	25	0	22.67	17.97	0.063

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	22.91	18.21	0.066
16QAM	826.5	20425	5	1	12	22.68	17.98	0.063
16QAM	826.5	20425	5	1	24	22.82	18.12	0.065
16QAM	826.5	20425	5	12	0	21.69	16.99	0.050
16QAM	826.5	20425	5	12	7	21.52	16.82	0.048
16QAM	826.5	20425	5	12	13	21.46	16.76	0.047
16QAM	826.5	20425	5	25	0	21.59	16.89	0.049
16QAM	836.5	20525	5	1	0	23.05	18.35	0.068
16QAM	836.5	20525	5	1	12	23.06	18.36	0.069
16QAM	836.5	20525	5	1	24	23.22	18.52	0.071
16QAM	836.5	20525	5	12	0	21.54	16.84	0.048
16QAM	836.5	20525	5	12	7	21.74	17.04	0.051
16QAM	836.5	20525	5	12	13	21.69	16.99	0.050
16QAM	836.5	20525	5	25	0	21.55	16.85	0.048
16QAM	846.5	20625	5	1	0	23.51	18.81	0.076
16QAM	846.5	20625	5	1	12	23.29	18.59	0.072
16QAM	846.5	20625	5	1	24	23.10	18.40	0.069
16QAM	846.5	20625	5	12	0	21.69	16.99	0.050
16QAM	846.5	20625	5	12	7	21.78	17.08	0.051
16QAM	846.5	20625	5	12	13	21.62	16.92	0.049
16QAM	846.5	20625	5	25	0	21.53	16.83	0.048
64QAM	826.5	20425	5	1	0	21.75	17.05	0.051
64QAM	826.5	20425	5	1	12	21.95	17.25	0.053
64QAM	826.5	20425	5	1	24	22.18	17.48	0.056
64QAM	826.5	20425	5	12	0	20.80	16.10	0.041
64QAM	826.5	20425	5	12	7	20.98	16.28	0.042
64QAM	826.5	20425	5	12	13	20.71	16.01	0.040
64QAM	826.5	20425	5	25	0	20.53	15.83	0.038
64QAM	836.5	20525	5	1	0	21.68	16.98	0.050
64QAM	836.5	20525	5	1	12	21.78	17.08	0.051
64QAM	836.5	20525	5	1	24	21.34	16.64	0.046
64QAM	836.5	20525	5	12	0	20.65	15.95	0.039
64QAM	836.5	20525	5	12	7	20.72	16.02	0.040
64QAM	836.5	20525	5	12	13	20.67	15.97	0.040
64QAM	836.5	20525	5	25	0	20.59	15.89	0.039
64QAM	846.5	20625	5	1	0	21.77	17.07	0.051
64QAM	846.5	20625	5	1	12	21.88	17.18	0.052
64QAM	846.5	20625	5	1	24	21.66	16.96	0.050
64QAM	846.5	20625	5	12	0	20.70	16.00	0.040
64QAM	846.5	20625	5	12	7	20.59	15.89	0.039
64QAM	846.5	20625	5	12	13	21.09	16.39	0.044
64QAM	846.5	20625	5	25	0	20.87	16.17	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	23.81	19.11	0.081
QPSK	829	20450	10	1	25	23.70	19.00	0.079
QPSK	829	20450	10	1	49	23.90	19.20	0.083
QPSK	829	20450	10	25	0	22.42	17.72	0.059
QPSK	829	20450	10	25	12	22.45	17.75	0.060
QPSK	829	20450	10	25	25	22.47	17.77	0.060
QPSK	829	20450	10	50	0	22.43	17.73	0.059
QPSK	836.5	20525	10	1	0	23.79	19.09	0.081
QPSK	836.5	20525	10	1	25	23.86	19.16	0.082
QPSK	836.5	20525	10	1	49	23.84	19.14	0.082
QPSK	836.5	20525	10	25	0	22.72	18.02	0.063
QPSK	836.5	20525	10	25	12	22.64	17.94	0.062
QPSK	836.5	20525	10	25	25	22.72	18.02	0.063
QPSK	836.5	20525	10	50	0	22.63	17.93	0.062
QPSK	844	20600	10	1	0	23.80	19.10	0.081
QPSK	844	20600	10	1	25	23.67	18.97	0.079
QPSK	844	20600	10	1	49	23.76	19.06	0.081
QPSK	844	20600	10	25	0	22.72	18.02	0.063
QPSK	844	20600	10	25	12	22.62	17.92	0.062
QPSK	844	20600	10	25	25	22.56	17.86	0.061
QPSK	844	20600	10	50	0	22.65	17.95	0.062

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	22.86	18.16	0.065
16QAM	829	20450	10	1	25	22.59	17.89	0.062
16QAM	829	20450	10	1	49	22.64	17.94	0.062
16QAM	829	20450	10	25	0	21.64	16.94	0.049
16QAM	829	20450	10	25	12	21.64	16.94	0.049
16QAM	829	20450	10	25	25	21.64	16.94	0.049
16QAM	829	20450	10	50	0	21.42	16.72	0.047
16QAM	836.5	20525	10	1	0	23.32	18.62	0.073
16QAM	836.5	20525	10	1	25	22.68	17.98	0.063
16QAM	836.5	20525	10	1	49	22.94	18.24	0.067
16QAM	836.5	20525	10	25	0	22.06	17.36	0.054
16QAM	836.5	20525	10	25	12	21.85	17.15	0.052
16QAM	836.5	20525	10	25	25	21.90	17.20	0.052
16QAM	836.5	20525	10	50	0	21.70	17.00	0.050
16QAM	844	20600	10	1	0	23.37	18.67	0.074
16QAM	844	20600	10	1	25	22.80	18.10	0.065
16QAM	844	20600	10	1	49	23.06	18.36	0.069
16QAM	844	20600	10	25	0	22.03	17.33	0.054
16QAM	844	20600	10	25	12	21.71	17.01	0.050
16QAM	844	20600	10	25	25	21.70	17.00	0.050
16QAM	844	20600	10	50	0	21.59	16.89	0.049
64QAM	829	20450	10	1	0	21.22	16.52	0.045
64QAM	829	20450	10	1	25	21.56	16.86	0.049
64QAM	829	20450	10	1	49	21.34	16.64	0.046
64QAM	829	20450	10	25	0	20.39	15.69	0.037
64QAM	829	20450	10	25	12	20.43	15.73	0.037
64QAM	829	20450	10	25	25	20.94	16.24	0.042
64QAM	829	20450	10	50	0	20.63	15.93	0.039
64QAM	836.5	20525	10	1	0	21.83	17.13	0.052
64QAM	836.5	20525	10	1	25	21.94	17.24	0.053
64QAM	836.5	20525	10	1	49	22.88	18.18	0.066
64QAM	836.5	20525	10	25	0	20.56	15.86	0.039
64QAM	836.5	20525	10	25	12	20.52	15.82	0.038
64QAM	836.5	20525	10	25	25	20.88	16.18	0.041
64QAM	836.5	20525	10	50	0	20.62	15.92	0.039
64QAM	844	20600	10	1	0	21.99	17.29	0.054
64QAM	844	20600	10	1	25	21.59	16.89	0.049
64QAM	844	20600	10	1	49	21.73	17.03	0.050
64QAM	844	20600	10	25	0	20.91	16.21	0.042
64QAM	844	20600	10	25	12	21.17	16.47	0.044
64QAM	844	20600	10	25	25	20.59	15.89	0.039
64QAM	844	20600	10	50	0	21.31	16.61	0.046