

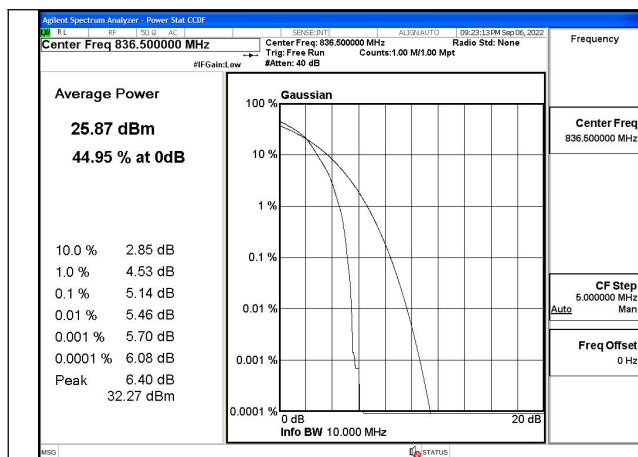


Fig.61

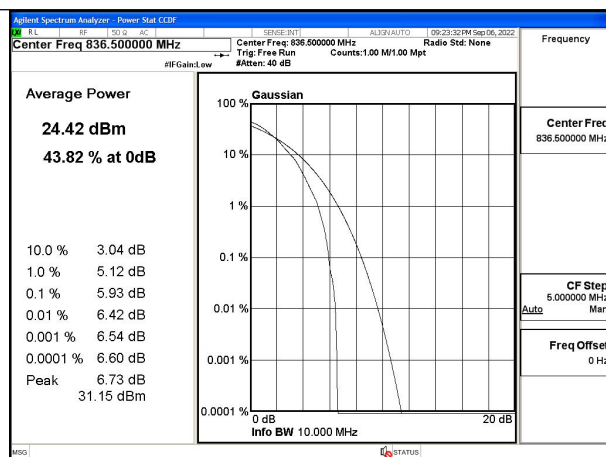


Fig.62

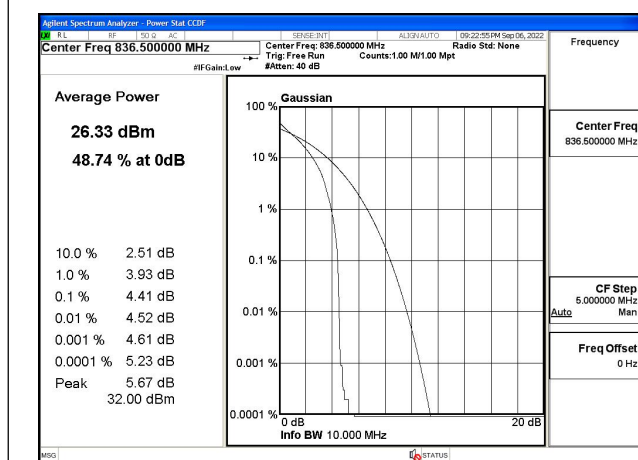


Fig.63

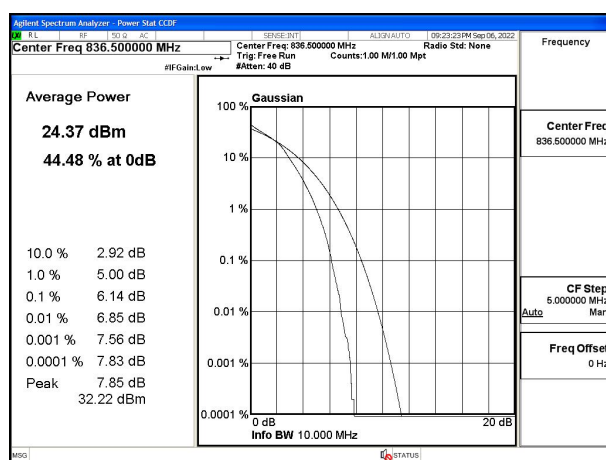


Fig.64

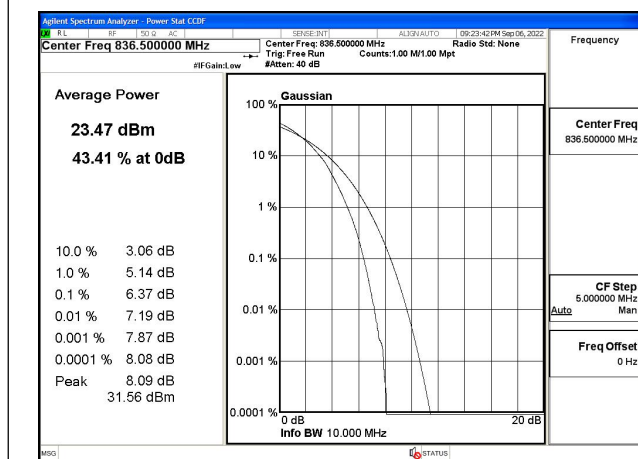


Fig.65

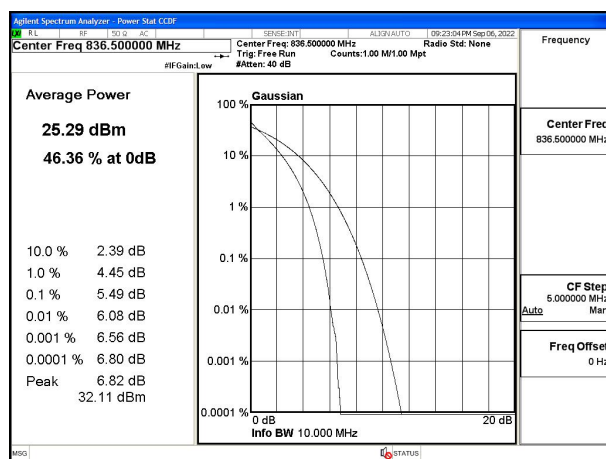


Fig.66

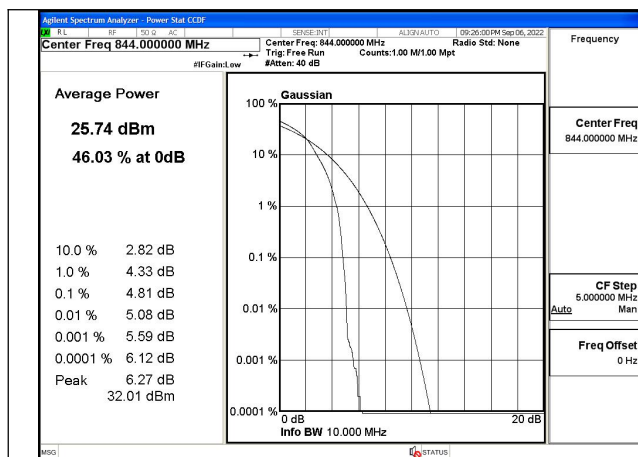


Fig.67

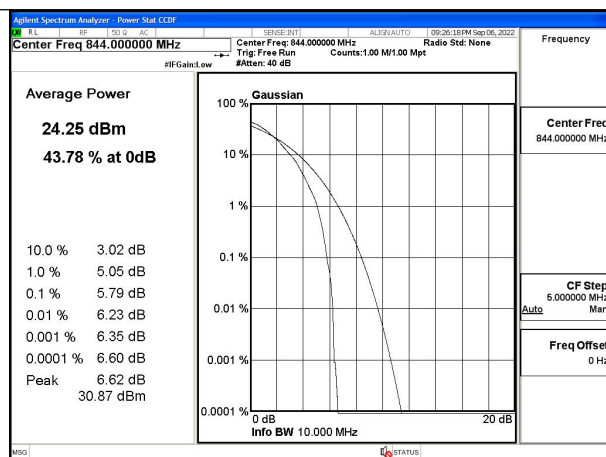


Fig.68

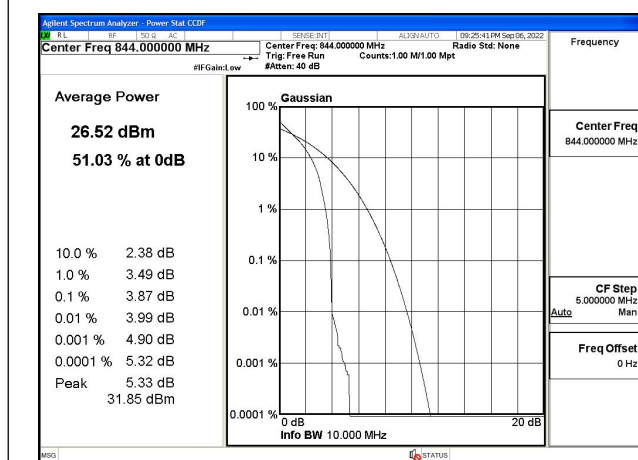


Fig.69

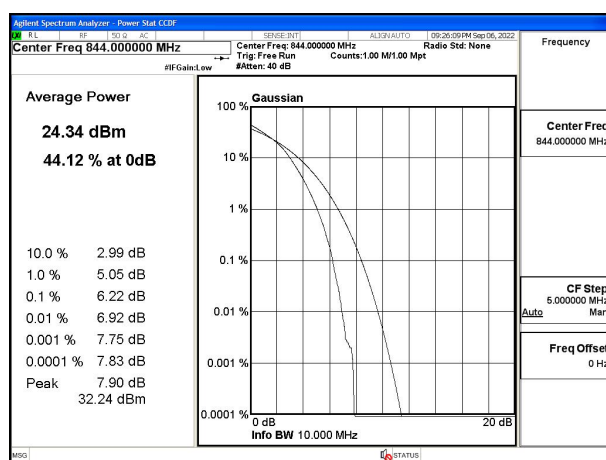


Fig.70

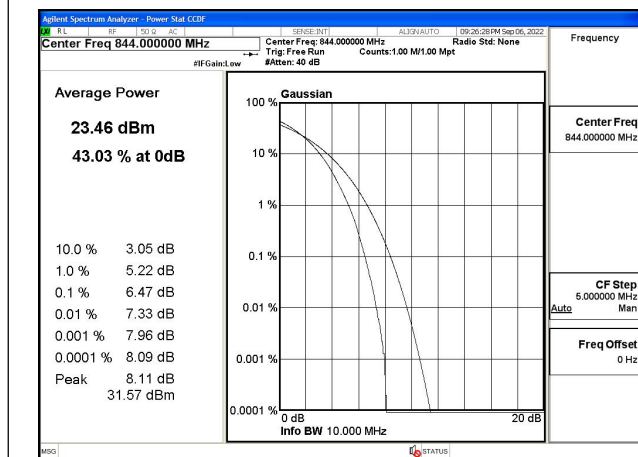


Fig.71

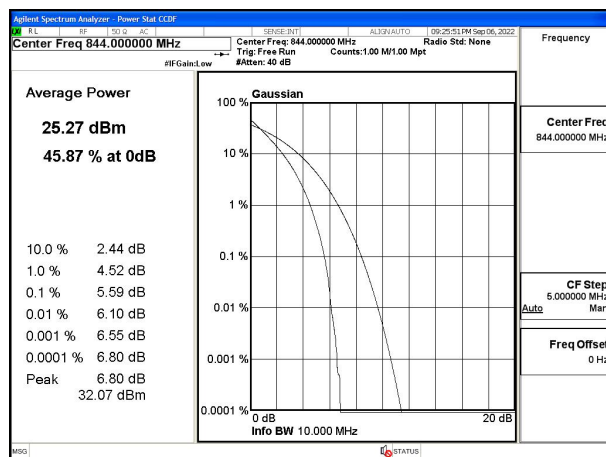


Fig.72

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

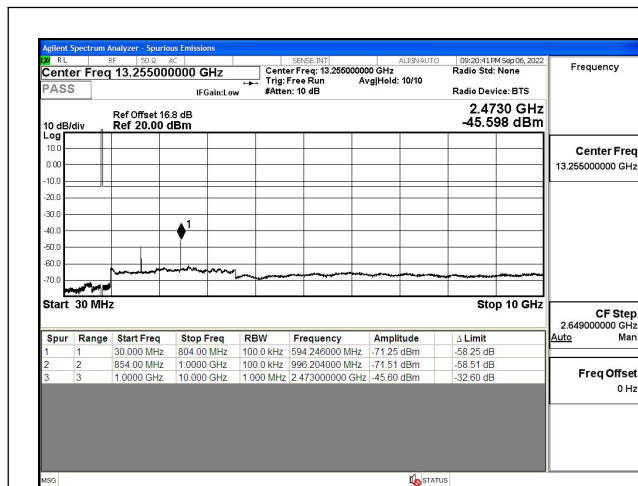


Fig.1

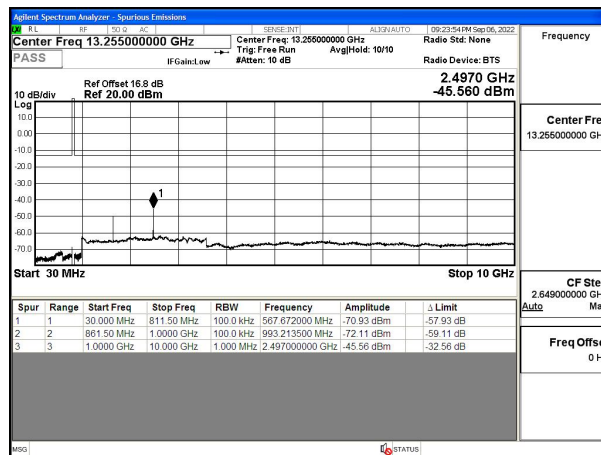


Fig.2

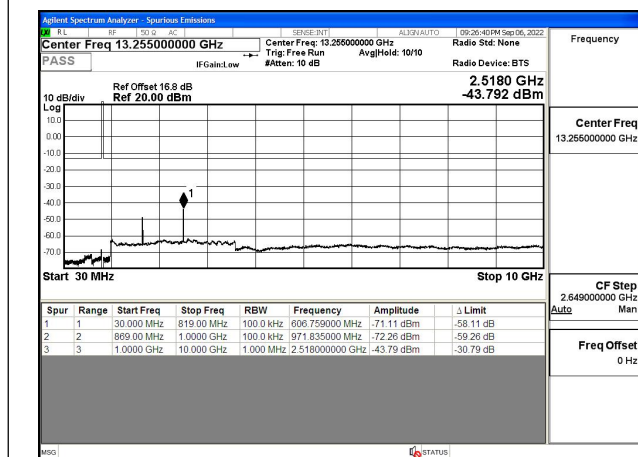


Fig.3

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

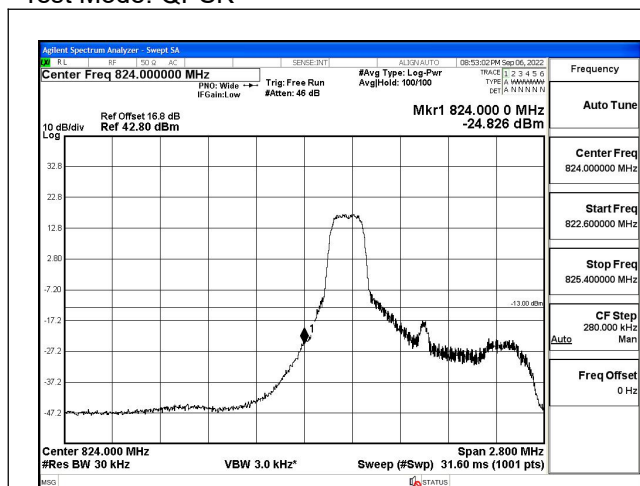


Fig.1

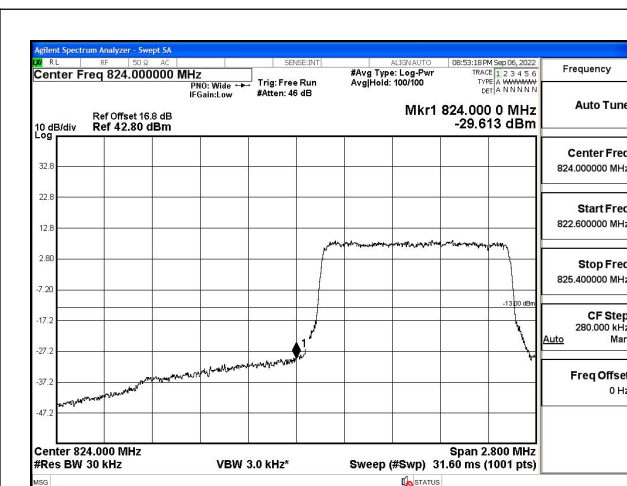


Fig.2

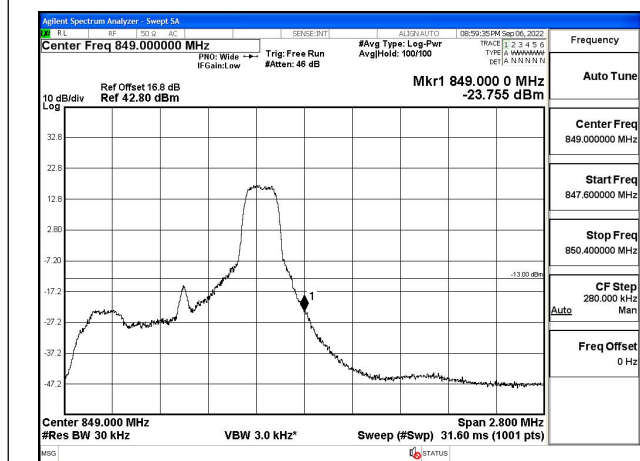


Fig.3

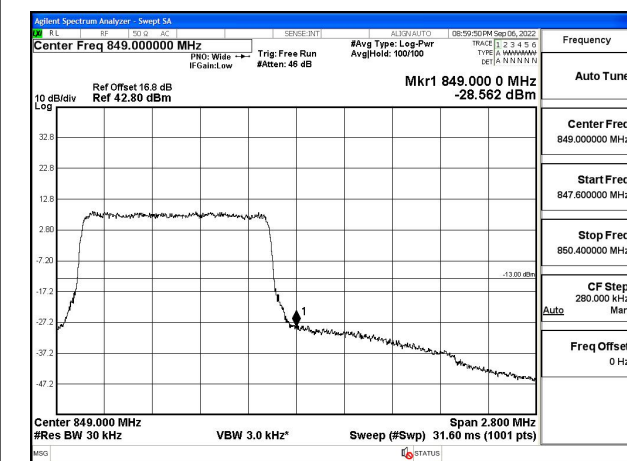


Fig.4

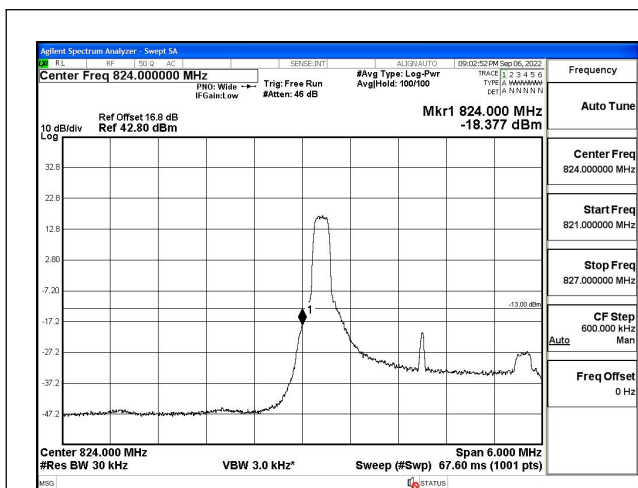


Fig.5

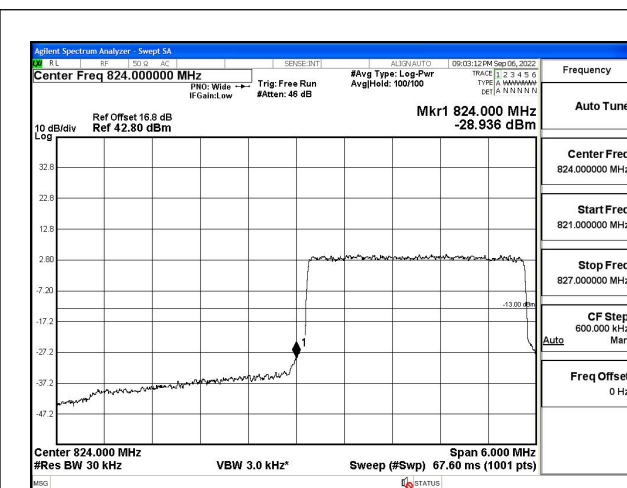


Fig.6

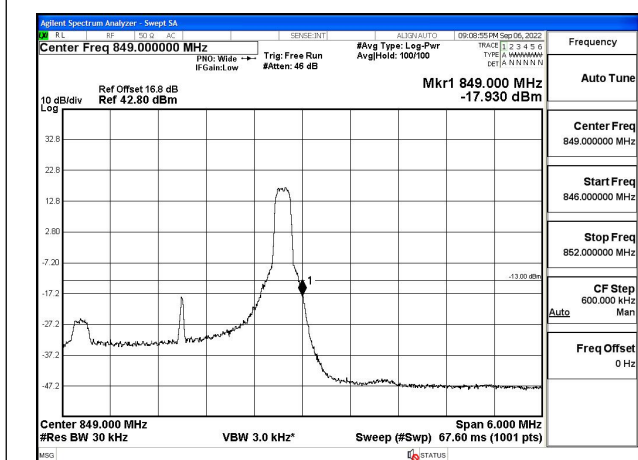


Fig.7

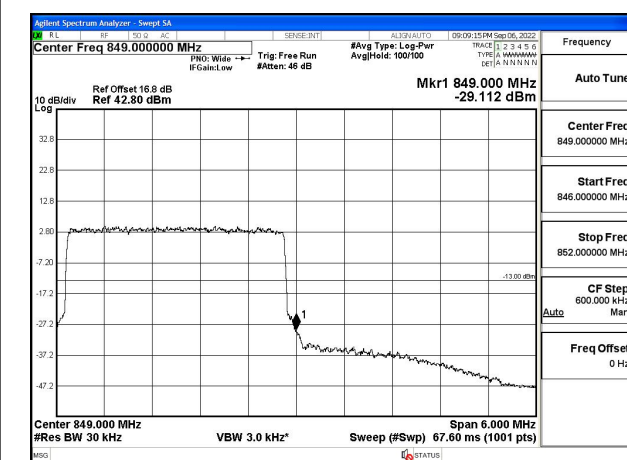


Fig.8

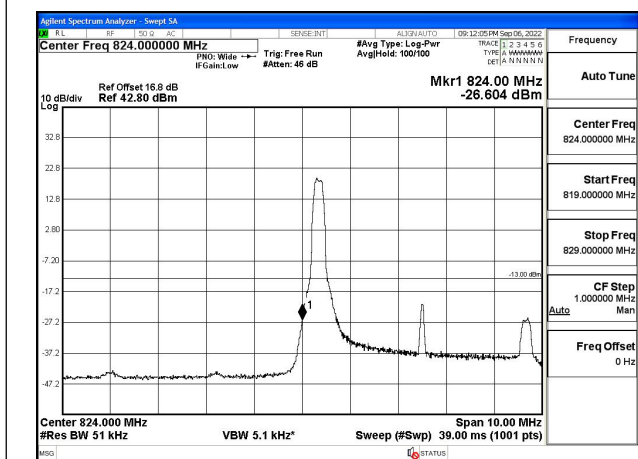


Fig.9

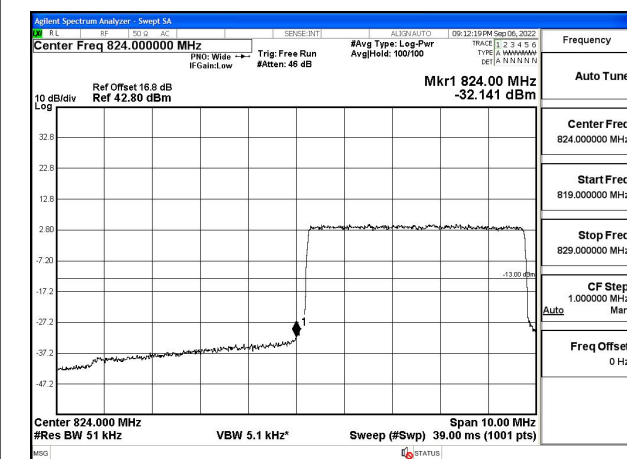


Fig.10

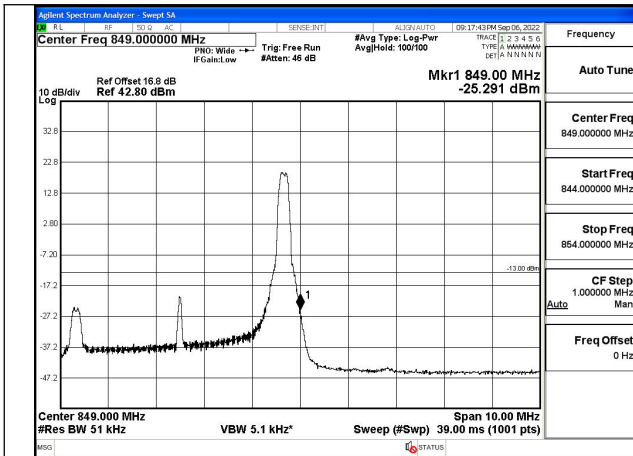


Fig.11

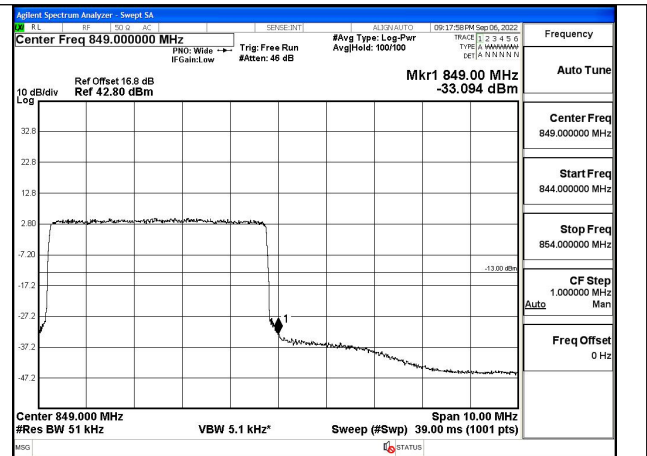


Fig.12

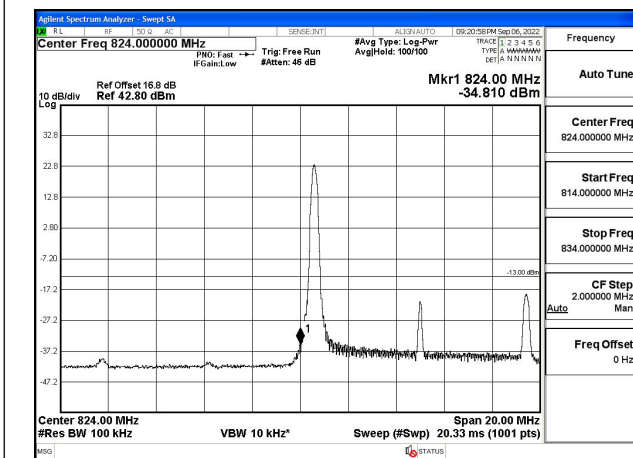


Fig.13

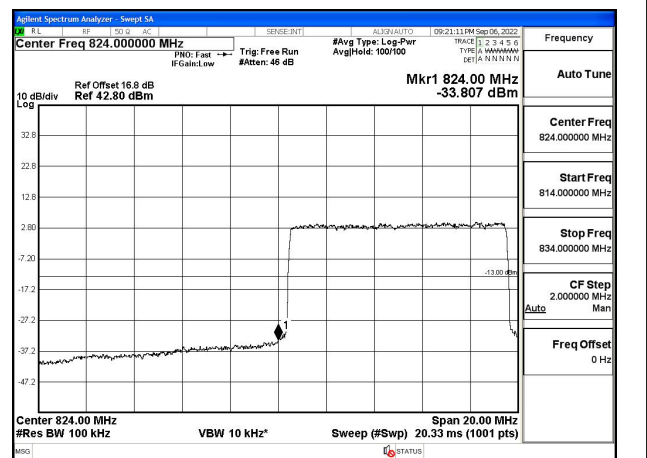


Fig.14

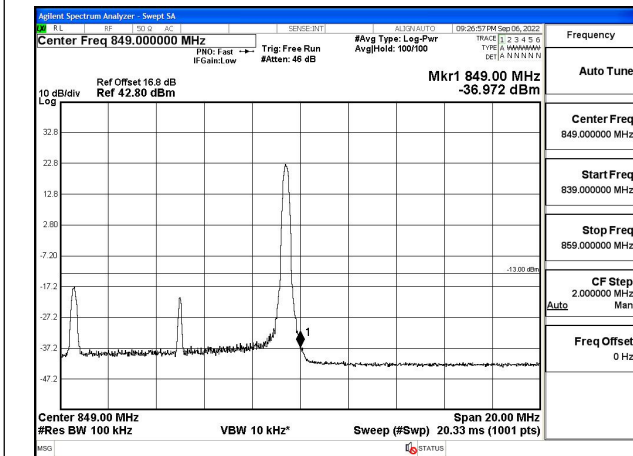


Fig.15

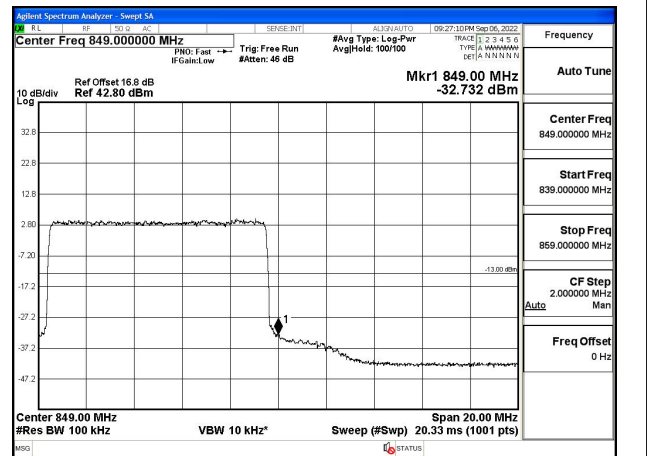


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.006	0.008	0.010	0.006
0	NV	-0.008	-0.009	0.005	0.023
+10	NV	0.010	0.007	0.004	0.017
+20	NV	0.015	0.003	-0.011	-0.013
+30	NV	-0.004	0.008	0.009	-0.004
+40	NV	-0.023	0.005	0.002	-0.005
+50	NV	-0.003	0.007	-0.008	0.003
+55	NV	-0.007	0.016	-0.004	0.002
+20	LV	-0.006	0.006	0.002	0.003
+20	HV	0.011	-0.004	0.005	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.005	-0.017	-0.011	-0.002
0	NV	-0.010	-0.014	-0.043	0.010
+10	NV	-0.034	-0.007	-0.020	-0.017
+20	NV	-0.003	-0.013	-0.022	-0.009
+30	NV	-0.004	-0.003	-0.010	0.015
+40	NV	-0.009	0.004	0.015	0.006
+50	NV	0.004	-0.020	-0.014	-0.007
+55	NV	-0.021	-0.008	-0.021	-0.003
+20	LV	-0.003	-0.024	-0.016	0.003
+20	HV	-0.009	-0.019	-0.006	0.009

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	25.86	20.31	0.107
QPSK	824.7	20407	1.4	1	3	25.95	20.40	0.110
QPSK	824.7	20407	1.4	1	5	25.91	20.36	0.109
QPSK	824.7	20407	1.4	3	0	26.03	20.48	0.112
QPSK	824.7	20407	1.4	3	1	26.14	20.59	0.115
QPSK	824.7	20407	1.4	3	3	26.03	20.48	0.112
QPSK	824.7	20407	1.4	6	0	25.18	19.63	0.092
QPSK	836.5	20525	1.4	1	0	26.01	20.46	0.111
QPSK	836.5	20525	1.4	1	3	26.00	20.45	0.111
QPSK	836.5	20525	1.4	1	5	26.03	20.48	0.112
QPSK	836.5	20525	1.4	3	0	26.10	20.55	0.114
QPSK	836.5	20525	1.4	3	1	26.12	20.57	0.114
QPSK	836.5	20525	1.4	3	3	26.01	20.46	0.111
QPSK	836.5	20525	1.4	6	0	25.14	19.59	0.091
QPSK	848.3	20643	1.4	1	0	25.98	20.43	0.110
QPSK	848.3	20643	1.4	1	3	26.04	20.49	0.112
QPSK	848.3	20643	1.4	1	5	25.93	20.38	0.109
QPSK	848.3	20643	1.4	3	0	25.91	20.36	0.109
QPSK	848.3	20643	1.4	3	1	25.88	20.33	0.108
QPSK	848.3	20643	1.4	3	3	25.79	20.24	0.106
QPSK	848.3	20643	1.4	6	0	24.90	19.35	0.086

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	25.52	19.97	0.099
16QAM	824.7	20407	1.4	1	3	25.41	19.86	0.097
16QAM	824.7	20407	1.4	1	5	25.67	20.12	0.103
16QAM	824.7	20407	1.4	3	0	25.34	19.79	0.095
16QAM	824.7	20407	1.4	3	1	25.49	19.94	0.099
16QAM	824.7	20407	1.4	3	3	25.46	19.91	0.098
16QAM	824.7	20407	1.4	6	0	23.96	18.41	0.069
16QAM	836.5	20525	1.4	1	0	25.08	19.53	0.090
16QAM	836.5	20525	1.4	1	3	25.50	19.95	0.099
16QAM	836.5	20525	1.4	1	5	25.61	20.06	0.101
16QAM	836.5	20525	1.4	3	0	25.43	19.88	0.097
16QAM	836.5	20525	1.4	3	1	25.47	19.92	0.098
16QAM	836.5	20525	1.4	3	3	25.25	19.70	0.093
16QAM	836.5	20525	1.4	6	0	23.71	18.16	0.065
16QAM	848.3	20643	1.4	1	0	25.62	20.07	0.102
16QAM	848.3	20643	1.4	1	3	24.70	19.15	0.082
16QAM	848.3	20643	1.4	1	5	25.43	19.88	0.097
16QAM	848.3	20643	1.4	3	0	24.97	19.42	0.087
16QAM	848.3	20643	1.4	3	1	25.22	19.67	0.093
16QAM	848.3	20643	1.4	3	3	25.28	19.73	0.094
16QAM	848.3	20643	1.4	6	0	23.58	18.03	0.064
64QAM	824.7	20407	1.4	1	0	24.76	19.21	0.083
64QAM	824.7	20407	1.4	1	3	24.97	19.42	0.087
64QAM	824.7	20407	1.4	1	5	24.48	18.93	0.078
64QAM	824.7	20407	1.4	3	0	24.02	18.47	0.070
64QAM	824.7	20407	1.4	3	1	24.20	18.65	0.073
64QAM	824.7	20407	1.4	3	3	24.40	18.85	0.077
64QAM	824.7	20407	1.4	6	0	23.05	17.50	0.056
64QAM	836.5	20525	1.4	1	0	23.95	18.40	0.069
64QAM	836.5	20525	1.4	1	3	24.02	18.47	0.070
64QAM	836.5	20525	1.4	1	5	24.08	18.53	0.071
64QAM	836.5	20525	1.4	3	0	24.05	18.50	0.071
64QAM	836.5	20525	1.4	3	1	23.89	18.34	0.068
64QAM	836.5	20525	1.4	3	3	23.95	18.40	0.069
64QAM	836.5	20525	1.4	6	0	23.07	17.52	0.056
64QAM	848.3	20643	1.4	1	0	23.87	18.32	0.068
64QAM	848.3	20643	1.4	1	3	24.00	18.45	0.070
64QAM	848.3	20643	1.4	1	5	23.75	18.20	0.066
64QAM	848.3	20643	1.4	3	0	23.71	18.16	0.065
64QAM	848.3	20643	1.4	3	1	23.91	18.36	0.069
64QAM	848.3	20643	1.4	3	3	23.58	18.03	0.064
64QAM	848.3	20643	1.4	6	0	22.78	17.23	0.053

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	26.11	20.56	0.114
QPSK	825.5	20415	3	1	8	26.04	20.49	0.112
QPSK	825.5	20415	3	1	14	26.05	20.50	0.112
QPSK	825.5	20415	3	8	0	25.00	19.45	0.088
QPSK	825.5	20415	3	8	4	25.06	19.51	0.089
QPSK	825.5	20415	3	8	7	25.13	19.58	0.091
QPSK	825.5	20415	3	15	0	25.16	19.61	0.091
QPSK	836.5	20525	3	1	0	26.11	20.56	0.114
QPSK	836.5	20525	3	1	8	26.21	20.66	0.116
QPSK	836.5	20525	3	1	14	26.09	20.54	0.113
QPSK	836.5	20525	3	8	0	24.83	19.28	0.085
QPSK	836.5	20525	3	8	4	24.99	19.44	0.088
QPSK	836.5	20525	3	8	7	24.95	19.40	0.087
QPSK	836.5	20525	3	15	0	25.14	19.59	0.091
QPSK	847.5	20635	3	1	0	25.87	20.32	0.108
QPSK	847.5	20635	3	1	8	25.81	20.26	0.106
QPSK	847.5	20635	3	1	14	25.73	20.18	0.104
QPSK	847.5	20635	3	8	0	24.88	19.33	0.086
QPSK	847.5	20635	3	8	4	24.90	19.35	0.086
QPSK	847.5	20635	3	8	7	25.01	19.46	0.088
QPSK	847.5	20635	3	15	0	24.91	19.36	0.086

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	26.11	20.56	0.114
16QAM	825.5	20415	3	1	8	26.12	20.57	0.114
16QAM	825.5	20415	3	1	14	25.55	20.00	0.100
16QAM	825.5	20415	3	8	0	24.21	18.66	0.073
16QAM	825.5	20415	3	8	4	24.28	18.73	0.075
16QAM	825.5	20415	3	8	7	24.27	18.72	0.074
16QAM	825.5	20415	3	15	0	24.20	18.65	0.073
16QAM	836.5	20525	3	1	0	25.10	19.55	0.090
16QAM	836.5	20525	3	1	8	25.45	19.90	0.098
16QAM	836.5	20525	3	1	14	25.27	19.72	0.094
16QAM	836.5	20525	3	8	0	24.24	18.69	0.074
16QAM	836.5	20525	3	8	4	24.28	18.73	0.075
16QAM	836.5	20525	3	8	7	24.31	18.76	0.075
16QAM	836.5	20525	3	15	0	24.04	18.49	0.071
16QAM	847.5	20635	3	1	0	25.36	19.81	0.096
16QAM	847.5	20635	3	1	8	25.38	19.83	0.096
16QAM	847.5	20635	3	1	14	25.53	19.98	0.100
16QAM	847.5	20635	3	8	0	24.03	18.48	0.070
16QAM	847.5	20635	3	8	4	24.09	18.54	0.071
16QAM	847.5	20635	3	8	7	23.94	18.39	0.069
16QAM	847.5	20635	3	15	0	24.10	18.55	0.072
64QAM	825.5	20415	3	1	0	24.11	18.56	0.072
64QAM	825.5	20415	3	1	8	24.01	18.46	0.070
64QAM	825.5	20415	3	1	14	23.95	18.40	0.069
64QAM	825.5	20415	3	8	0	22.96	17.41	0.055
64QAM	825.5	20415	3	8	4	23.07	17.52	0.056
64QAM	825.5	20415	3	8	7	23.14	17.59	0.057
64QAM	825.5	20415	3	15	0	23.25	17.70	0.059
64QAM	836.5	20525	3	1	0	24.70	19.15	0.082
64QAM	836.5	20525	3	1	8	24.35	18.80	0.076
64QAM	836.5	20525	3	1	14	24.19	18.64	0.073
64QAM	836.5	20525	3	8	0	23.39	17.84	0.061
64QAM	836.5	20525	3	8	4	22.97	17.42	0.055
64QAM	836.5	20525	3	8	7	22.92	17.37	0.055
64QAM	836.5	20525	3	15	0	23.20	17.65	0.058
64QAM	847.5	20635	3	1	0	24.08	18.53	0.071
64QAM	847.5	20635	3	1	8	23.52	17.97	0.063
64QAM	847.5	20635	3	1	14	23.76	18.21	0.066
64QAM	847.5	20635	3	8	0	23.30	17.75	0.060
64QAM	847.5	20635	3	8	4	23.30	17.75	0.060
64QAM	847.5	20635	3	8	7	22.39	16.84	0.048
64QAM	847.5	20635	3	15	0	23.45	17.90	0.062

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	25.91	20.36	0.109
QPSK	826.5	20425	5	1	12	26.12	20.57	0.114
QPSK	826.5	20425	5	1	24	26.07	20.52	0.113
QPSK	826.5	20425	5	12	0	25.01	19.46	0.088
QPSK	826.5	20425	5	12	7	25.11	19.56	0.090
QPSK	826.5	20425	5	12	13	25.17	19.62	0.092
QPSK	826.5	20425	5	25	0	25.12	19.57	0.091
QPSK	836.5	20525	5	1	0	26.07	20.52	0.113
QPSK	836.5	20525	5	1	12	26.16	20.61	0.115
QPSK	836.5	20525	5	1	24	26.10	20.55	0.114
QPSK	836.5	20525	5	12	0	25.29	19.74	0.094
QPSK	836.5	20525	5	12	7	25.15	19.60	0.091
QPSK	836.5	20525	5	12	13	25.09	19.54	0.090
QPSK	836.5	20525	5	25	0	25.14	19.59	0.091
QPSK	846.5	20625	5	1	0	26.22	20.67	0.117
QPSK	846.5	20625	5	1	12	26.18	20.63	0.116
QPSK	846.5	20625	5	1	24	26.22	20.67	0.117
QPSK	846.5	20625	5	12	0	25.00	19.45	0.088
QPSK	846.5	20625	5	12	7	24.92	19.37	0.086
QPSK	846.5	20625	5	12	13	24.96	19.41	0.087
QPSK	846.5	20625	5	25	0	25.01	19.46	0.088

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	25.37	19.82	0.096
16QAM	826.5	20425	5	1	12	25.94	20.39	0.109
16QAM	826.5	20425	5	1	24	25.32	19.77	0.095
16QAM	826.5	20425	5	12	0	24.14	18.59	0.072
16QAM	826.5	20425	5	12	7	24.28	18.73	0.075
16QAM	826.5	20425	5	12	13	24.20	18.65	0.073
16QAM	826.5	20425	5	25	0	24.12	18.57	0.072
16QAM	836.5	20525	5	1	0	25.44	19.89	0.097
16QAM	836.5	20525	5	1	12	25.27	19.72	0.094
16QAM	836.5	20525	5	1	24	25.85	20.30	0.107
16QAM	836.5	20525	5	12	0	24.22	18.67	0.074
16QAM	836.5	20525	5	12	7	24.26	18.71	0.074
16QAM	836.5	20525	5	12	13	24.08	18.53	0.071
16QAM	836.5	20525	5	25	0	24.47	18.92	0.078
16QAM	846.5	20625	5	1	0	25.85	20.30	0.107
16QAM	846.5	20625	5	1	12	25.66	20.11	0.103
16QAM	846.5	20625	5	1	24	25.21	19.66	0.092
16QAM	846.5	20625	5	12	0	24.10	18.55	0.072
16QAM	846.5	20625	5	12	7	24.02	18.47	0.070
16QAM	846.5	20625	5	12	13	24.01	18.46	0.070
16QAM	846.5	20625	5	25	0	24.05	18.50	0.071
64QAM	826.5	20425	5	1	0	24.21	18.66	0.073
64QAM	826.5	20425	5	1	12	24.45	18.90	0.078
64QAM	826.5	20425	5	1	24	24.09	18.54	0.071
64QAM	826.5	20425	5	12	0	23.16	17.61	0.058
64QAM	826.5	20425	5	12	7	23.44	17.89	0.062
64QAM	826.5	20425	5	12	13	23.22	17.67	0.058
64QAM	826.5	20425	5	25	0	23.13	17.58	0.057
64QAM	836.5	20525	5	1	0	24.44	18.89	0.077
64QAM	836.5	20525	5	1	12	23.73	18.18	0.066
64QAM	836.5	20525	5	1	24	24.10	18.55	0.072
64QAM	836.5	20525	5	12	0	23.63	18.08	0.064
64QAM	836.5	20525	5	12	7	23.41	17.86	0.061
64QAM	836.5	20525	5	12	13	23.36	17.81	0.060
64QAM	836.5	20525	5	25	0	23.48	17.93	0.062
64QAM	846.5	20625	5	1	0	24.35	18.80	0.076
64QAM	846.5	20625	5	1	12	24.08	18.53	0.071
64QAM	846.5	20625	5	1	24	24.16	18.61	0.073
64QAM	846.5	20625	5	12	0	22.95	17.40	0.055
64QAM	846.5	20625	5	12	7	23.37	17.82	0.061
64QAM	846.5	20625	5	12	13	23.43	17.88	0.061
64QAM	846.5	20625	5	25	0	23.32	17.77	0.060

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	26.38	20.83	0.121
QPSK	829	20450	10	1	25	26.28	20.73	0.118
QPSK	829	20450	10	1	49	26.45	20.90	0.123
QPSK	829	20450	10	25	0	25.23	19.68	0.093
QPSK	829	20450	10	25	12	25.10	19.55	0.090
QPSK	829	20450	10	25	25	25.08	19.53	0.090
QPSK	829	20450	10	50	0	25.03	19.48	0.089
QPSK	836.5	20525	10	1	0	26.35	20.80	0.120
QPSK	836.5	20525	10	1	25	26.40	20.85	0.122
QPSK	836.5	20525	10	1	49	26.32	20.77	0.119
QPSK	836.5	20525	10	25	0	25.07	19.52	0.090
QPSK	836.5	20525	10	25	12	25.11	19.56	0.090
QPSK	836.5	20525	10	25	25	25.10	19.55	0.090
QPSK	836.5	20525	10	50	0	25.09	19.54	0.090
QPSK	844	20600	10	1	0	26.29	20.74	0.119
QPSK	844	20600	10	1	25	26.29	20.74	0.119
QPSK	844	20600	10	1	49	26.14	20.59	0.115
QPSK	844	20600	10	25	0	25.08	19.53	0.090
QPSK	844	20600	10	25	12	24.91	19.36	0.086
QPSK	844	20600	10	25	25	24.96	19.41	0.087
QPSK	844	20600	10	50	0	24.96	19.41	0.087

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	25.49	19.94	0.099
16QAM	829	20450	10	1	25	25.42	19.87	0.097
16QAM	829	20450	10	1	49	25.13	19.58	0.091
16QAM	829	20450	10	25	0	24.52	18.97	0.079
16QAM	829	20450	10	25	12	24.50	18.95	0.079
16QAM	829	20450	10	25	25	24.34	18.79	0.076
16QAM	829	20450	10	50	0	24.19	18.64	0.073
16QAM	836.5	20525	10	1	0	25.43	19.88	0.097
16QAM	836.5	20525	10	1	25	25.73	20.18	0.104
16QAM	836.5	20525	10	1	49	25.75	20.20	0.105
16QAM	836.5	20525	10	25	0	24.51	18.96	0.079
16QAM	836.5	20525	10	25	12	24.55	19.00	0.079
16QAM	836.5	20525	10	25	25	24.32	18.77	0.075
16QAM	836.5	20525	10	50	0	24.13	18.58	0.072
16QAM	844	20600	10	1	0	25.78	20.23	0.105
16QAM	844	20600	10	1	25	25.02	19.47	0.089
16QAM	844	20600	10	1	49	25.13	19.58	0.091
16QAM	844	20600	10	25	0	24.22	18.67	0.074
16QAM	844	20600	10	25	12	24.24	18.69	0.074
16QAM	844	20600	10	25	25	24.18	18.63	0.073
16QAM	844	20600	10	50	0	24.07	18.52	0.071
64QAM	829	20450	10	1	0	24.90	19.35	0.086
64QAM	829	20450	10	1	25	24.28	18.73	0.075
64QAM	829	20450	10	1	49	24.29	18.74	0.075
64QAM	829	20450	10	25	0	23.15	17.60	0.058
64QAM	829	20450	10	25	12	23.37	17.82	0.061
64QAM	829	20450	10	25	25	23.21	17.66	0.058
64QAM	829	20450	10	50	0	23.31	17.76	0.060
64QAM	836.5	20525	10	1	0	24.37	18.82	0.076
64QAM	836.5	20525	10	1	25	24.23	18.68	0.074
64QAM	836.5	20525	10	1	49	23.99	18.44	0.070
64QAM	836.5	20525	10	25	0	23.50	17.95	0.062
64QAM	836.5	20525	10	25	12	23.15	17.60	0.058
64QAM	836.5	20525	10	25	25	22.94	17.39	0.055
64QAM	836.5	20525	10	50	0	23.26	17.71	0.059
64QAM	844	20600	10	1	0	24.01	18.46	0.070
64QAM	844	20600	10	1	25	24.70	19.15	0.082
64QAM	844	20600	10	1	49	24.28	18.73	0.075
64QAM	844	20600	10	25	0	23.37	17.82	0.061
64QAM	844	20600	10	25	12	22.74	17.19	0.052
64QAM	844	20600	10	25	25	23.21	17.66	0.058
64QAM	844	20600	10	50	0	23.32	17.77	0.060