

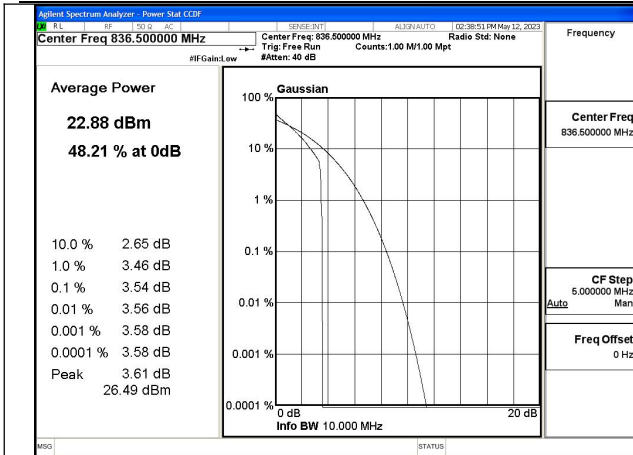


Fig.61

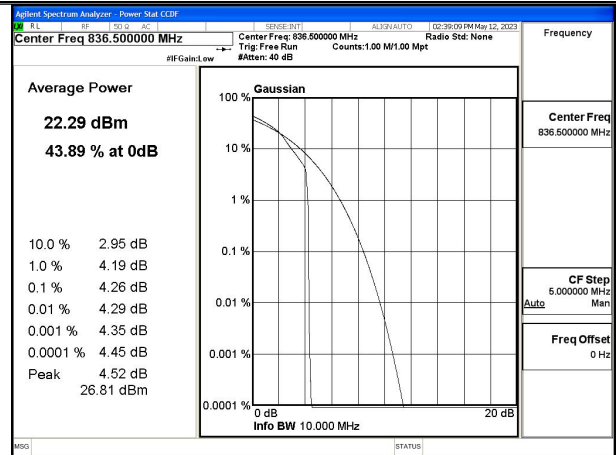


Fig.62

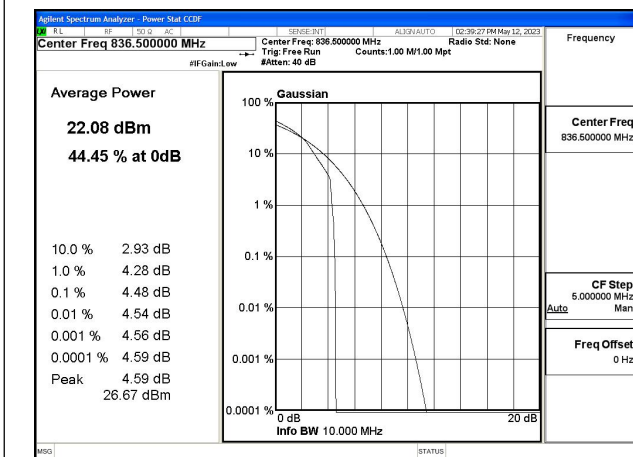


Fig.63

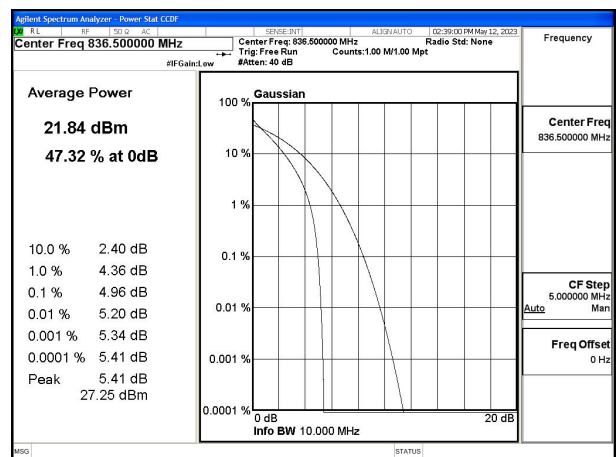


Fig.64

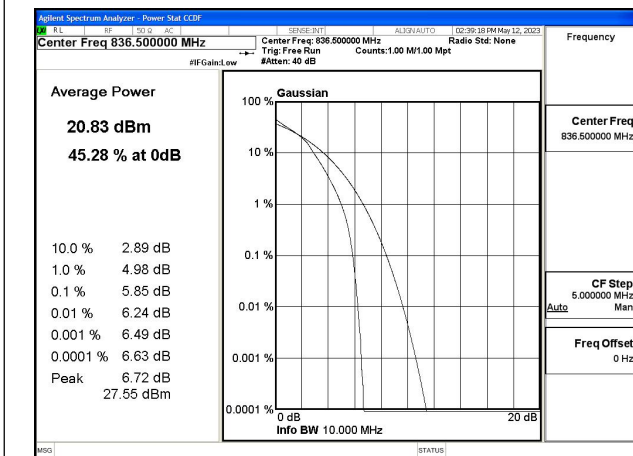


Fig.65

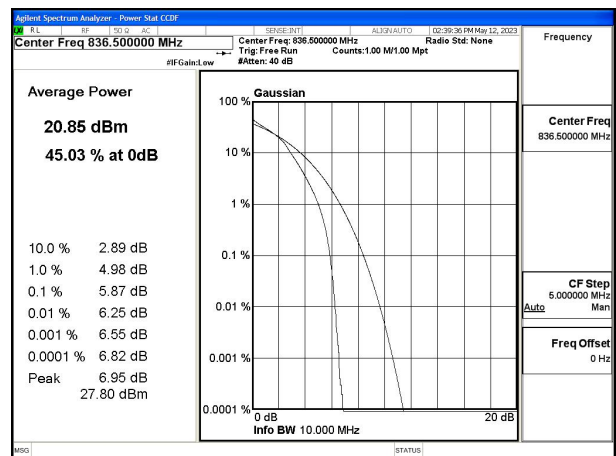


Fig.66

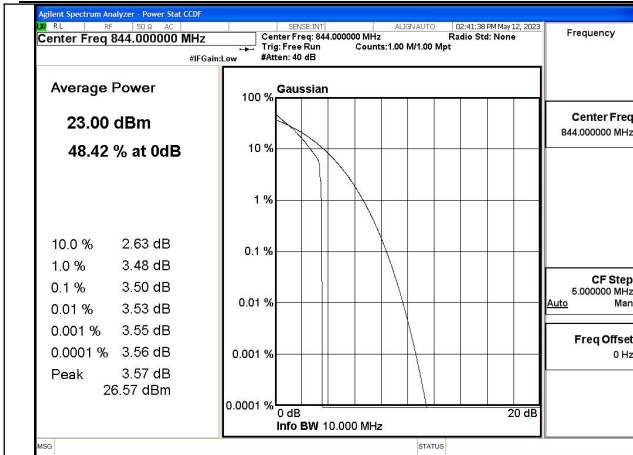


Fig.67

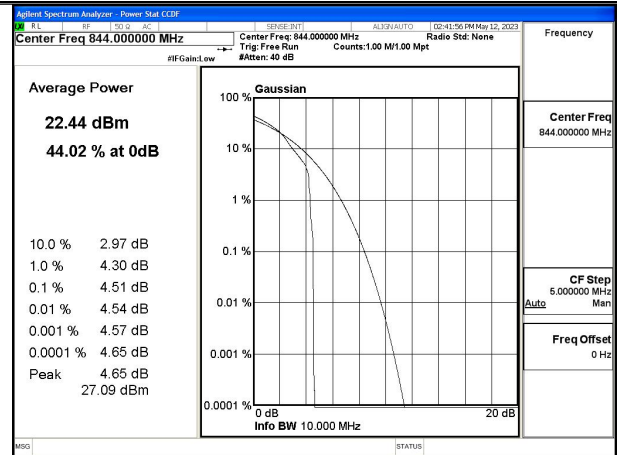


Fig.68

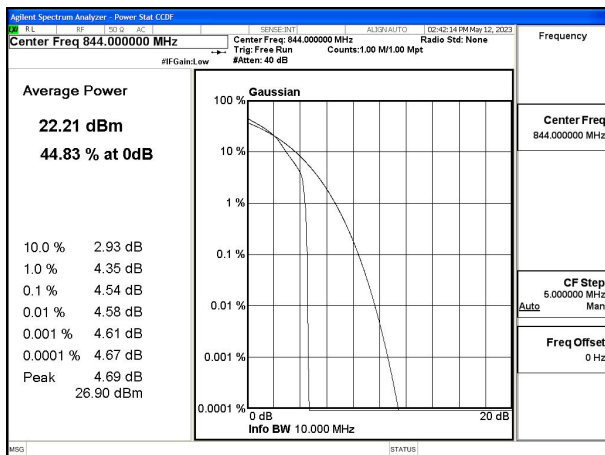


Fig.69

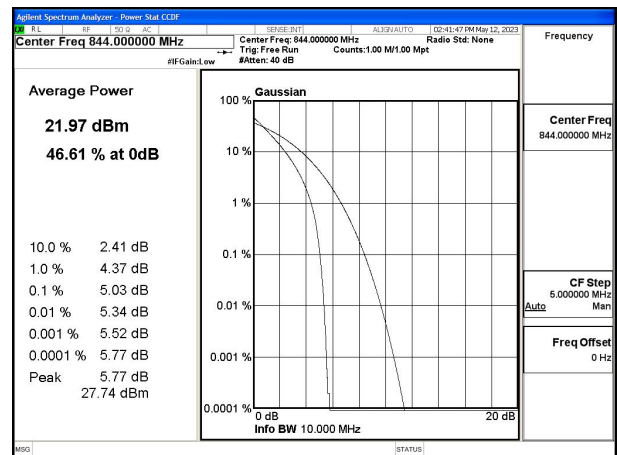


Fig.70

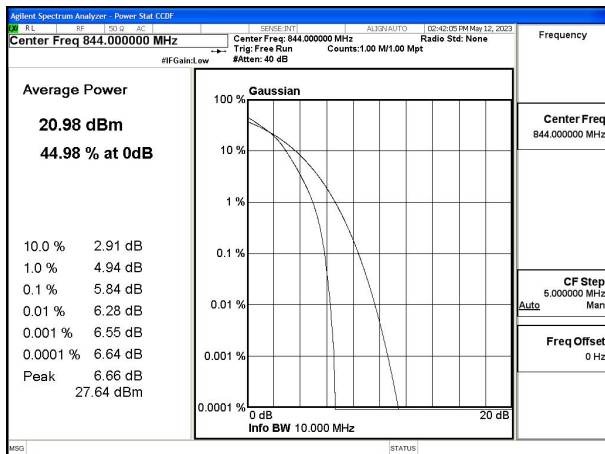


Fig.71

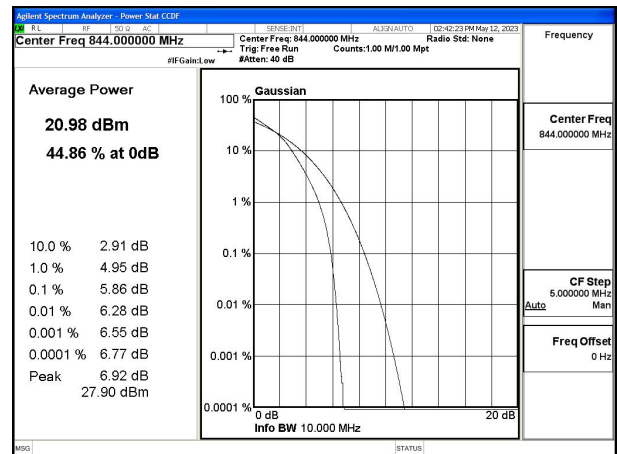


Fig.72

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

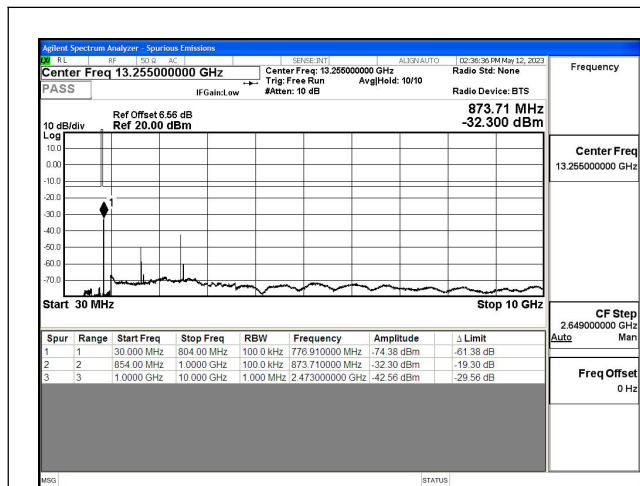


Fig.1

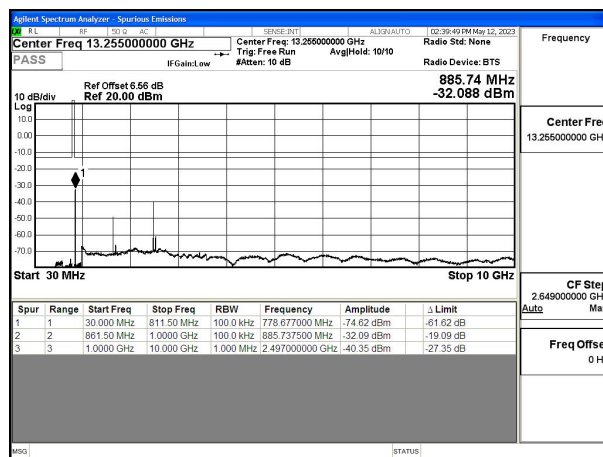


Fig.2

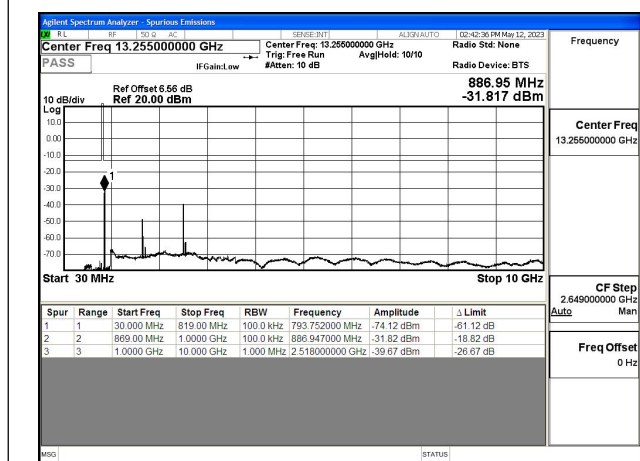
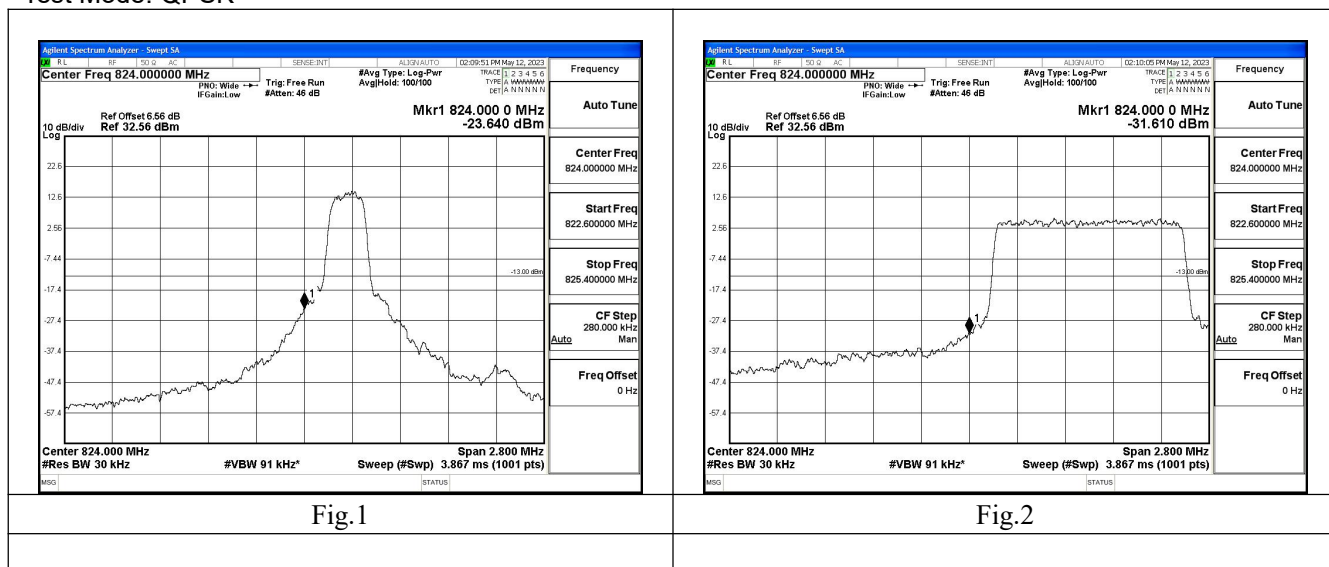


Fig.3

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



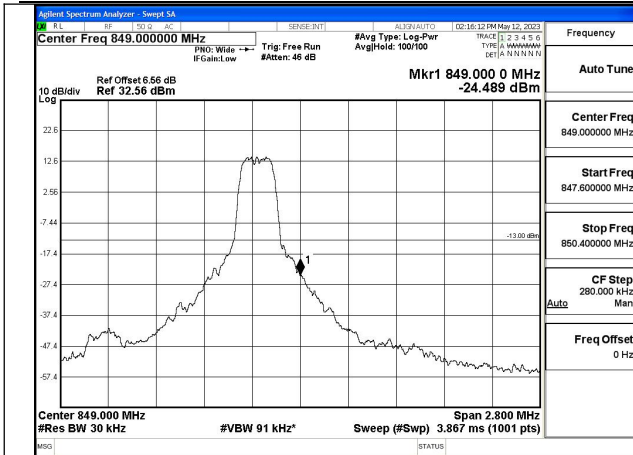


Fig.3

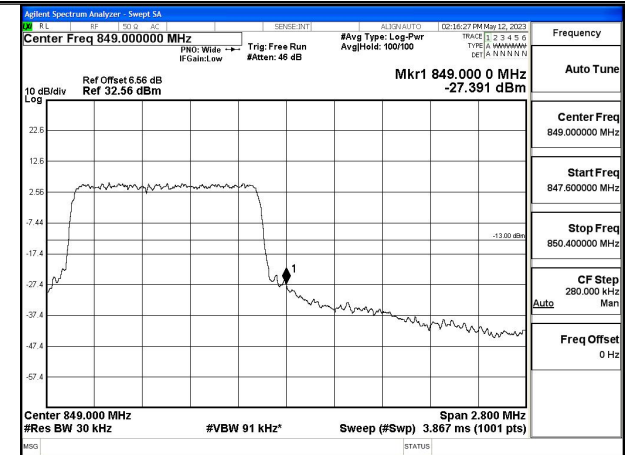


Fig.4

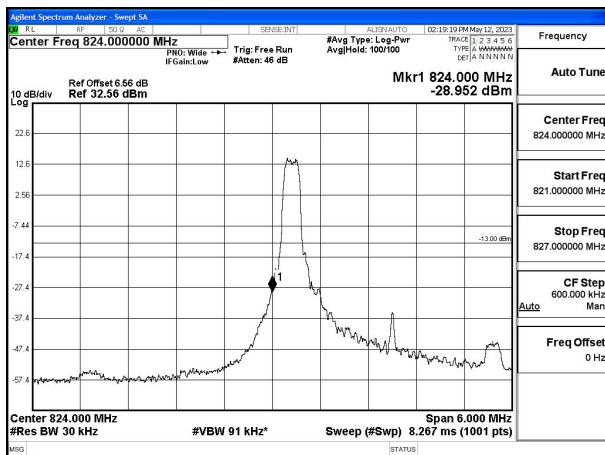


Fig.5

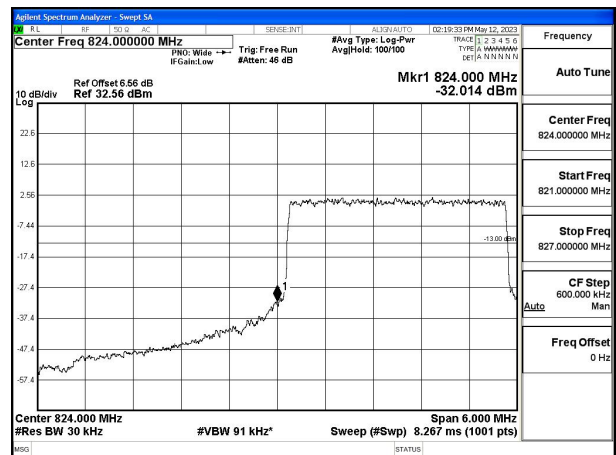


Fig.6

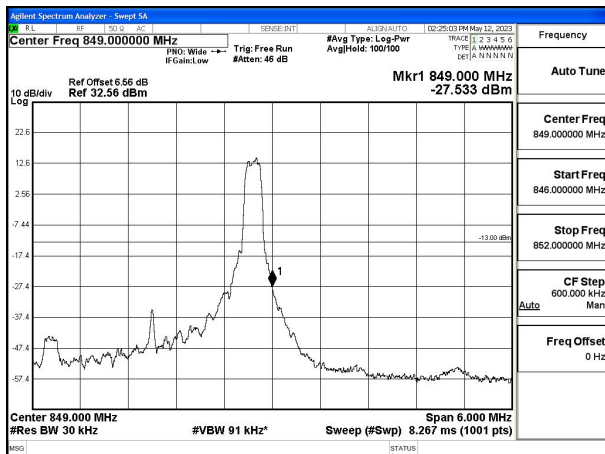


Fig.7

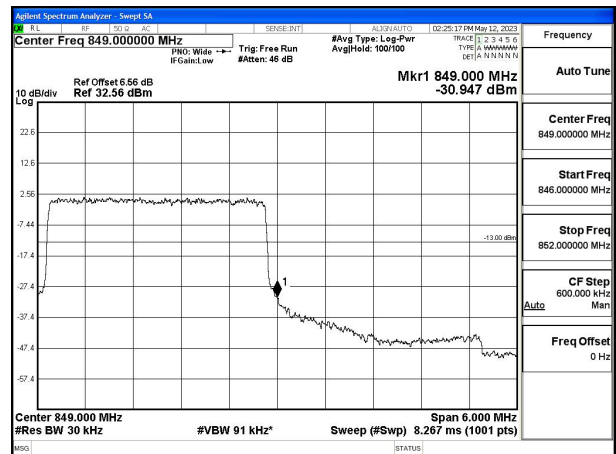


Fig.8

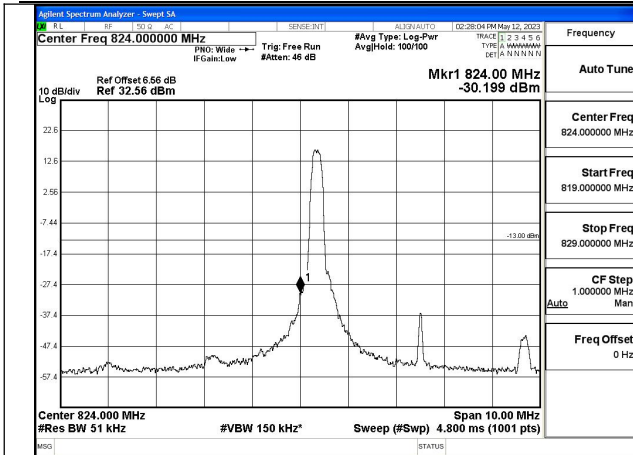


Fig.9

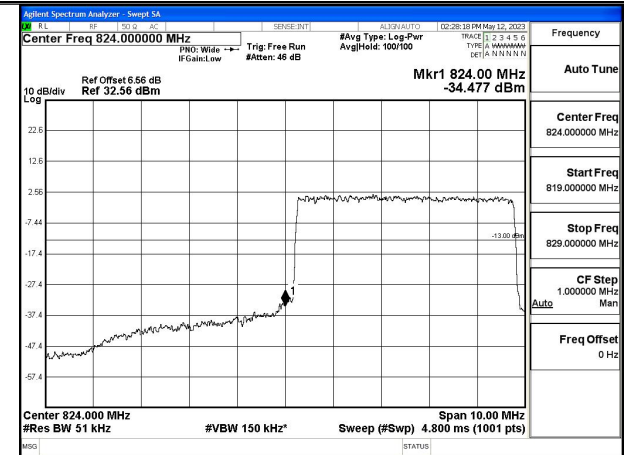


Fig.10

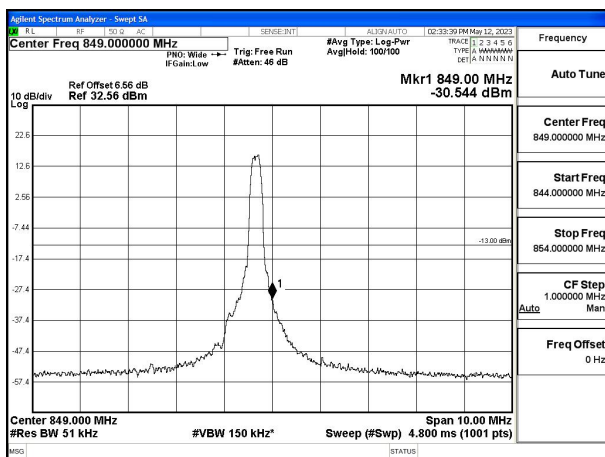


Fig.11

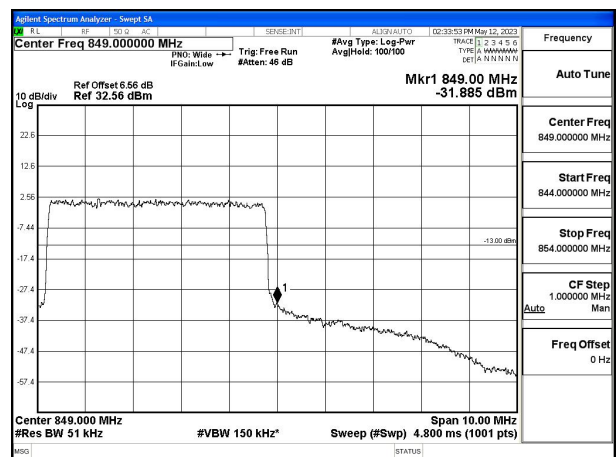


Fig.12

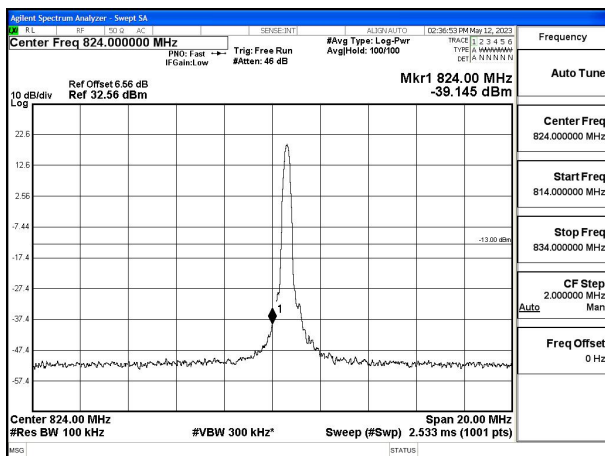


Fig.13

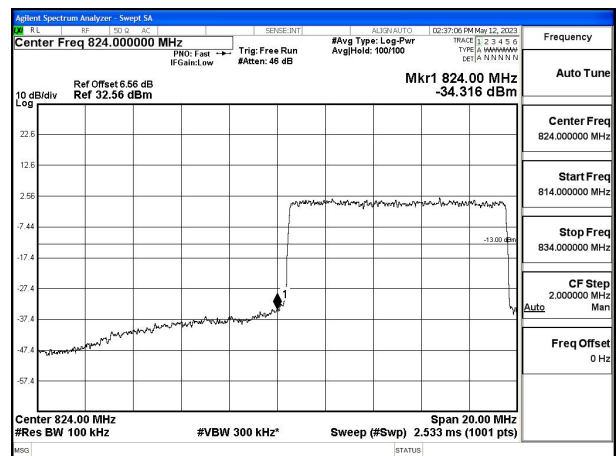


Fig.14

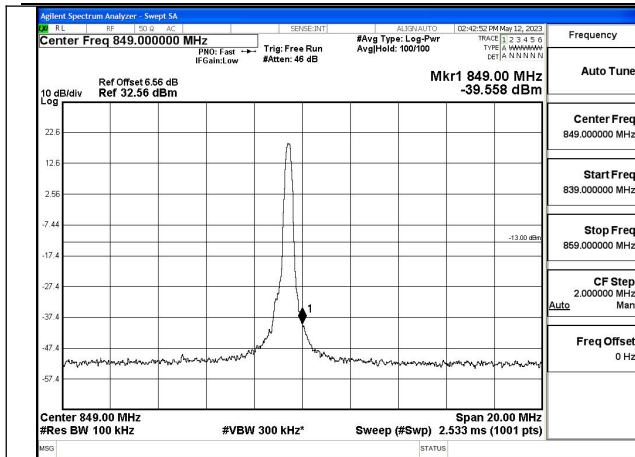


Fig.15

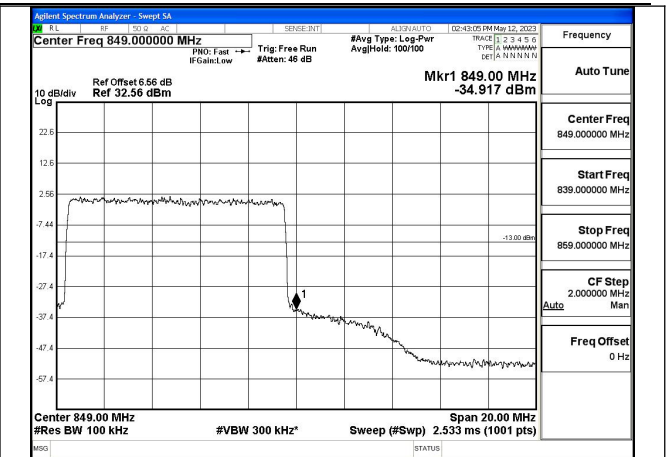


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.019	0.008	0.007	0.005
0	NV	0.004	0.005	0.002	0.005
+10	NV	-0.012	-0.002	0.002	0.005
+20	NV	0.003	0.007	0.004	-0.007
+30	NV	-0.016	0.001	0.002	0.003
+40	NV	-0.005	0.005	0.003	-0.005
+50	NV	-0.014	0.002	0.006	0.004
+55	NV	-0.003	-0.003	0.004	-0.005
+20	LV	0.009	0.003	0.001	-0.005
+20	HV	-0.002	0.012	0.005	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.015	-0.006	0.008	-0.007
0	NV	0.018	0.001	0.007	-0.006
+10	NV	0.014	0.004	0.004	0.002
+20	NV	0.016	-0.008	-0.005	-0.004
+30	NV	-0.023	-0.006	0.002	0.006
+40	NV	-0.020	0.009	0.006	0.003
+50	NV	0.002	0.002	0.006	-0.006
+55	NV	0.017	0.005	0.006	0.006
+20	LV	-0.020	0.006	-0.005	-0.005
+20	HV	0.015	0.002	0.004	-0.005

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	22.81	13.96	0.025
QPSK	824.7	20407	1.4	1	3	23.00	14.15	0.026
QPSK	824.7	20407	1.4	1	5	23.19	14.34	0.027
QPSK	824.7	20407	1.4	3	0	23.12	14.27	0.027
QPSK	824.7	20407	1.4	3	1	23.03	14.18	0.026
QPSK	824.7	20407	1.4	3	3	23.06	14.21	0.026
QPSK	824.7	20407	1.4	6	0	22.12	13.27	0.021
QPSK	836.5	20525	1.4	1	0	22.78	13.93	0.025
QPSK	836.5	20525	1.4	1	3	22.83	13.98	0.025
QPSK	836.5	20525	1.4	1	5	22.86	14.01	0.025
QPSK	836.5	20525	1.4	3	0	22.93	14.08	0.026
QPSK	836.5	20525	1.4	3	1	22.91	14.06	0.025
QPSK	836.5	20525	1.4	3	3	22.91	14.06	0.025
QPSK	836.5	20525	1.4	6	0	21.95	13.10	0.020
QPSK	848.3	20643	1.4	1	0	23.03	14.18	0.026
QPSK	848.3	20643	1.4	1	3	22.81	13.96	0.025
QPSK	848.3	20643	1.4	1	5	22.73	13.88	0.024
QPSK	848.3	20643	1.4	3	0	22.79	13.94	0.025
QPSK	848.3	20643	1.4	3	1	22.82	13.97	0.025
QPSK	848.3	20643	1.4	3	3	22.90	14.05	0.025
QPSK	848.3	20643	1.4	6	0	21.86	13.01	0.020

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	22.48	13.63	0.023
16QAM	824.7	20407	1.4	1	3	22.34	13.49	0.022
16QAM	824.7	20407	1.4	1	5	22.32	13.47	0.022
16QAM	824.7	20407	1.4	3	0	22.21	13.36	0.022
16QAM	824.7	20407	1.4	3	1	22.18	13.33	0.022
16QAM	824.7	20407	1.4	3	3	21.99	13.14	0.021
16QAM	824.7	20407	1.4	6	0	21.30	12.45	0.018
16QAM	836.5	20525	1.4	1	0	22.00	13.15	0.021
16QAM	836.5	20525	1.4	1	3	22.04	13.19	0.021
16QAM	836.5	20525	1.4	1	5	22.61	13.76	0.024
16QAM	836.5	20525	1.4	3	0	22.07	13.22	0.021
16QAM	836.5	20525	1.4	3	1	22.03	13.18	0.021
16QAM	836.5	20525	1.4	3	3	22.05	13.20	0.021
16QAM	836.5	20525	1.4	6	0	21.12	12.27	0.017
16QAM	848.3	20643	1.4	1	0	22.54	13.69	0.023
16QAM	848.3	20643	1.4	1	3	22.10	13.25	0.021
16QAM	848.3	20643	1.4	1	5	22.20	13.35	0.022
16QAM	848.3	20643	1.4	3	0	22.20	13.35	0.022
16QAM	848.3	20643	1.4	3	1	21.83	12.98	0.020
16QAM	848.3	20643	1.4	3	3	22.06	13.21	0.021
16QAM	848.3	20643	1.4	6	0	21.02	12.17	0.016
64QAM	824.7	20407	1.4	1	0	22.52	13.67	0.023
64QAM	824.7	20407	1.4	1	3	22.34	13.49	0.022
64QAM	824.7	20407	1.4	1	5	22.24	13.39	0.022
64QAM	824.7	20407	1.4	3	0	22.54	13.69	0.023
64QAM	824.7	20407	1.4	3	1	22.16	13.31	0.021
64QAM	824.7	20407	1.4	3	3	22.33	13.48	0.022
64QAM	824.7	20407	1.4	6	0	21.20	12.35	0.017
64QAM	836.5	20525	1.4	1	0	21.90	13.05	0.020
64QAM	836.5	20525	1.4	1	3	22.08	13.23	0.021
64QAM	836.5	20525	1.4	1	5	22.12	13.27	0.021
64QAM	836.5	20525	1.4	3	0	21.94	13.09	0.020
64QAM	836.5	20525	1.4	3	1	22.24	13.39	0.022
64QAM	836.5	20525	1.4	3	3	22.24	13.39	0.022
64QAM	836.5	20525	1.4	6	0	21.02	12.17	0.016
64QAM	848.3	20643	1.4	1	0	21.71	12.86	0.019
64QAM	848.3	20643	1.4	1	3	22.16	13.31	0.021
64QAM	848.3	20643	1.4	1	5	22.11	13.26	0.021
64QAM	848.3	20643	1.4	3	0	21.70	12.85	0.019
64QAM	848.3	20643	1.4	3	1	22.04	13.19	0.021
64QAM	848.3	20643	1.4	3	3	22.07	13.22	0.021
64QAM	848.3	20643	1.4	6	0	21.07	12.22	0.017

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	22.93	14.08	0.026
QPSK	825.5	20415	3	1	8	23.11	14.26	0.027
QPSK	825.5	20415	3	1	14	22.91	14.06	0.025
QPSK	825.5	20415	3	8	0	22.17	13.32	0.021
QPSK	825.5	20415	3	8	4	22.09	13.24	0.021
QPSK	825.5	20415	3	8	7	22.08	13.23	0.021
QPSK	825.5	20415	3	15	0	22.14	13.29	0.021
QPSK	836.5	20525	3	1	0	22.91	14.06	0.025
QPSK	836.5	20525	3	1	8	22.92	14.07	0.026
QPSK	836.5	20525	3	1	14	22.67	13.82	0.024
QPSK	836.5	20525	3	8	0	21.89	13.04	0.020
QPSK	836.5	20525	3	8	4	21.98	13.13	0.021
QPSK	836.5	20525	3	8	7	21.95	13.10	0.020
QPSK	836.5	20525	3	15	0	21.96	13.11	0.020
QPSK	847.5	20635	3	1	0	22.65	13.80	0.024
QPSK	847.5	20635	3	1	8	23.01	14.16	0.026
QPSK	847.5	20635	3	1	14	22.79	13.94	0.025
QPSK	847.5	20635	3	8	0	21.82	12.97	0.020
QPSK	847.5	20635	3	8	4	21.93	13.08	0.020
QPSK	847.5	20635	3	8	7	21.92	13.07	0.020
QPSK	847.5	20635	3	15	0	21.83	12.98	0.020

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	22.11	13.26	0.021
16QAM	825.5	20415	3	1	8	22.42	13.57	0.023
16QAM	825.5	20415	3	1	14	22.67	13.82	0.024
16QAM	825.5	20415	3	8	0	21.17	12.32	0.017
16QAM	825.5	20415	3	8	4	21.12	12.27	0.017
16QAM	825.5	20415	3	8	7	21.23	12.38	0.017
16QAM	825.5	20415	3	15	0	21.10	12.25	0.017
16QAM	836.5	20525	3	1	0	22.65	13.80	0.024
16QAM	836.5	20525	3	1	8	22.42	13.57	0.023
16QAM	836.5	20525	3	1	14	21.79	12.94	0.020
16QAM	836.5	20525	3	8	0	21.03	12.18	0.017
16QAM	836.5	20525	3	8	4	21.04	12.19	0.017
16QAM	836.5	20525	3	8	7	21.06	12.21	0.017
16QAM	836.5	20525	3	15	0	20.92	12.07	0.016
16QAM	847.5	20635	3	1	0	22.20	13.35	0.022
16QAM	847.5	20635	3	1	8	22.59	13.74	0.024
16QAM	847.5	20635	3	1	14	22.06	13.21	0.021
16QAM	847.5	20635	3	8	0	20.96	12.11	0.016
16QAM	847.5	20635	3	8	4	21.02	12.17	0.016
16QAM	847.5	20635	3	8	7	20.95	12.10	0.016
16QAM	847.5	20635	3	15	0	20.81	11.96	0.016
64QAM	825.5	20415	3	1	0	21.87	13.02	0.020
64QAM	825.5	20415	3	1	8	22.34	13.49	0.022
64QAM	825.5	20415	3	1	14	22.03	13.18	0.021
64QAM	825.5	20415	3	8	0	21.05	12.20	0.017
64QAM	825.5	20415	3	8	4	21.15	12.30	0.017
64QAM	825.5	20415	3	8	7	21.19	12.34	0.017
64QAM	825.5	20415	3	15	0	21.11	12.26	0.017
64QAM	836.5	20525	3	1	0	22.27	13.42	0.022
64QAM	836.5	20525	3	1	8	22.50	13.65	0.023
64QAM	836.5	20525	3	1	14	22.04	13.19	0.021
64QAM	836.5	20525	3	8	0	20.82	11.97	0.016
64QAM	836.5	20525	3	8	4	20.99	12.14	0.016
64QAM	836.5	20525	3	8	7	21.08	12.23	0.017
64QAM	836.5	20525	3	15	0	20.92	12.07	0.016
64QAM	847.5	20635	3	1	0	22.21	13.36	0.022
64QAM	847.5	20635	3	1	8	22.25	13.40	0.022
64QAM	847.5	20635	3	1	14	21.92	13.07	0.020
64QAM	847.5	20635	3	8	0	20.84	11.99	0.016
64QAM	847.5	20635	3	8	4	20.93	12.08	0.016
64QAM	847.5	20635	3	8	7	20.87	12.02	0.016
64QAM	847.5	20635	3	15	0	20.79	11.94	0.016

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	14.16	0.026
QPSK	826.5	20425	5	1	12	23.03	14.18	0.026
QPSK	826.5	20425	5	1	24	22.93	14.08	0.026
QPSK	826.5	20425	5	12	0	22.03	13.18	0.021
QPSK	826.5	20425	5	12	7	22.12	13.27	0.021
QPSK	826.5	20425	5	12	13	22.06	13.21	0.021
QPSK	826.5	20425	5	25	0	22.07	13.22	0.021
QPSK	836.5	20525	5	1	0	22.94	14.09	0.026
QPSK	836.5	20525	5	1	12	22.97	14.12	0.026
QPSK	836.5	20525	5	1	24	22.77	13.92	0.025
QPSK	836.5	20525	5	12	0	21.97	13.12	0.021
QPSK	836.5	20525	5	12	7	22.02	13.17	0.021
QPSK	836.5	20525	5	12	13	21.90	13.05	0.020
QPSK	836.5	20525	5	25	0	21.84	12.99	0.020
QPSK	846.5	20625	5	1	0	22.79	13.94	0.025
QPSK	846.5	20625	5	1	12	22.89	14.04	0.025
QPSK	846.5	20625	5	1	24	22.86	14.01	0.025
QPSK	846.5	20625	5	12	0	21.85	13.00	0.020
QPSK	846.5	20625	5	12	7	21.92	13.07	0.020
QPSK	846.5	20625	5	12	13	21.90	13.05	0.020
QPSK	846.5	20625	5	25	0	21.79	12.94	0.020

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	22.77	13.92	0.025
16QAM	826.5	20425	5	1	12	22.44	13.59	0.023
16QAM	826.5	20425	5	1	24	22.53	13.68	0.023
16QAM	826.5	20425	5	12	0	21.13	12.28	0.017
16QAM	826.5	20425	5	12	7	21.05	12.20	0.017
16QAM	826.5	20425	5	12	13	21.17	12.32	0.017
16QAM	826.5	20425	5	25	0	21.10	12.25	0.017
16QAM	836.5	20525	5	1	0	22.44	13.59	0.023
16QAM	836.5	20525	5	1	12	22.60	13.75	0.024
16QAM	836.5	20525	5	1	24	22.02	13.17	0.021
16QAM	836.5	20525	5	12	0	20.97	12.12	0.016
16QAM	836.5	20525	5	12	7	21.03	12.18	0.017
16QAM	836.5	20525	5	12	13	21.07	12.22	0.017
16QAM	836.5	20525	5	25	0	20.88	12.03	0.016
16QAM	846.5	20625	5	1	0	22.20	13.35	0.022
16QAM	846.5	20625	5	1	12	22.52	13.67	0.023
16QAM	846.5	20625	5	1	24	22.49	13.64	0.023
16QAM	846.5	20625	5	12	0	20.91	12.06	0.016
16QAM	846.5	20625	5	12	7	21.00	12.15	0.016
16QAM	846.5	20625	5	12	13	20.92	12.07	0.016
16QAM	846.5	20625	5	25	0	20.99	12.14	0.016
64QAM	826.5	20425	5	1	0	22.34	13.49	0.022
64QAM	826.5	20425	5	1	12	22.38	13.53	0.023
64QAM	826.5	20425	5	1	24	21.82	12.97	0.020
64QAM	826.5	20425	5	12	0	21.03	12.18	0.017
64QAM	826.5	20425	5	12	7	21.20	12.35	0.017
64QAM	826.5	20425	5	12	13	21.09	12.24	0.017
64QAM	826.5	20425	5	25	0	21.04	12.19	0.017
64QAM	836.5	20525	5	1	0	21.84	12.99	0.020
64QAM	836.5	20525	5	1	12	21.77	12.92	0.020
64QAM	836.5	20525	5	1	24	21.61	12.76	0.019
64QAM	836.5	20525	5	12	0	20.96	12.11	0.016
64QAM	836.5	20525	5	12	7	21.21	12.36	0.017
64QAM	836.5	20525	5	12	13	20.91	12.06	0.016
64QAM	836.5	20525	5	25	0	20.92	12.07	0.016
64QAM	846.5	20625	5	1	0	21.99	13.14	0.021
64QAM	846.5	20625	5	1	12	22.27	13.42	0.022
64QAM	846.5	20625	5	1	24	21.70	12.85	0.019
64QAM	846.5	20625	5	12	0	20.86	12.01	0.016
64QAM	846.5	20625	5	12	7	21.09	12.24	0.017
64QAM	846.5	20625	5	12	13	20.96	12.11	0.016
64QAM	846.5	20625	5	25	0	20.95	12.10	0.016

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	23.03	14.18	0.026
QPSK	829	20450	10	1	25	23.04	14.19	0.026
QPSK	829	20450	10	1	49	22.99	14.14	0.026
QPSK	829	20450	10	25	0	22.07	13.22	0.021
QPSK	829	20450	10	25	12	22.18	13.33	0.022
QPSK	829	20450	10	25	25	21.95	13.10	0.020
QPSK	829	20450	10	50	0	22.07	13.22	0.021
QPSK	836.5	20525	10	1	0	22.98	14.13	0.026
QPSK	836.5	20525	10	1	25	22.91	14.06	0.025
QPSK	836.5	20525	10	1	49	22.87	14.02	0.025
QPSK	836.5	20525	10	25	0	22.02	13.17	0.021
QPSK	836.5	20525	10	25	12	21.94	13.09	0.020
QPSK	836.5	20525	10	25	25	21.84	12.99	0.020
QPSK	836.5	20525	10	50	0	21.89	13.04	0.020
QPSK	844	20600	10	1	0	22.90	14.05	0.025
QPSK	844	20600	10	1	25	22.93	14.08	0.026
QPSK	844	20600	10	1	49	22.70	13.85	0.024
QPSK	844	20600	10	25	0	21.91	13.06	0.020
QPSK	844	20600	10	25	12	21.88	13.03	0.020
QPSK	844	20600	10	25	25	21.96	13.11	0.020
QPSK	844	20600	10	50	0	21.80	12.95	0.020

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	22.70	13.85	0.024
16QAM	829	20450	10	1	25	22.02	13.17	0.021
16QAM	829	20450	10	1	49	22.09	13.24	0.021
16QAM	829	20450	10	25	0	21.03	12.18	0.017
16QAM	829	20450	10	25	12	21.12	12.27	0.017
16QAM	829	20450	10	25	25	20.99	12.14	0.016
16QAM	829	20450	10	50	0	21.09	12.24	0.017
16QAM	836.5	20525	10	1	0	22.54	13.69	0.023
16QAM	836.5	20525	10	1	25	22.33	13.48	0.022
16QAM	836.5	20525	10	1	49	22.23	13.38	0.022
16QAM	836.5	20525	10	25	0	20.96	12.11	0.016
16QAM	836.5	20525	10	25	12	21.00	12.15	0.016
16QAM	836.5	20525	10	25	25	20.93	12.08	0.016
16QAM	836.5	20525	10	50	0	20.96	12.11	0.016
16QAM	844	20600	10	1	0	22.35	13.50	0.022
16QAM	844	20600	10	1	25	22.37	13.52	0.022
16QAM	844	20600	10	1	49	21.79	12.94	0.020
16QAM	844	20600	10	25	0	20.92	12.07	0.016
16QAM	844	20600	10	25	12	20.90	12.05	0.016
16QAM	844	20600	10	25	25	20.99	12.14	0.016
16QAM	844	20600	10	50	0	20.84	11.99	0.016
64QAM	829	20450	10	1	0	22.34	13.49	0.022
64QAM	829	20450	10	1	25	22.21	13.36	0.022
64QAM	829	20450	10	1	49	22.22	13.37	0.022
64QAM	829	20450	10	25	0	21.02	12.17	0.016
64QAM	829	20450	10	25	12	21.13	12.28	0.017
64QAM	829	20450	10	25	25	21.01	12.16	0.016
64QAM	829	20450	10	50	0	21.08	12.23	0.017
64QAM	836.5	20525	10	1	0	21.88	13.03	0.020
64QAM	836.5	20525	10	1	25	22.15	13.30	0.021
64QAM	836.5	20525	10	1	49	22.00	13.15	0.021
64QAM	836.5	20525	10	25	0	20.95	12.10	0.016
64QAM	836.5	20525	10	25	12	20.96	12.11	0.016
64QAM	836.5	20525	10	25	25	20.97	12.12	0.016
64QAM	836.5	20525	10	50	0	20.90	12.05	0.016
64QAM	844	20600	10	1	0	21.87	13.02	0.020
64QAM	844	20600	10	1	25	22.13	13.28	0.021
64QAM	844	20600	10	1	49	21.98	13.13	0.021
64QAM	844	20600	10	25	0	20.96	12.11	0.016
64QAM	844	20600	10	25	12	20.93	12.08	0.016
64QAM	844	20600	10	25	25	20.89	12.04	0.016
64QAM	844	20600	10	50	0	20.97	12.12	0.016