

Fig.61

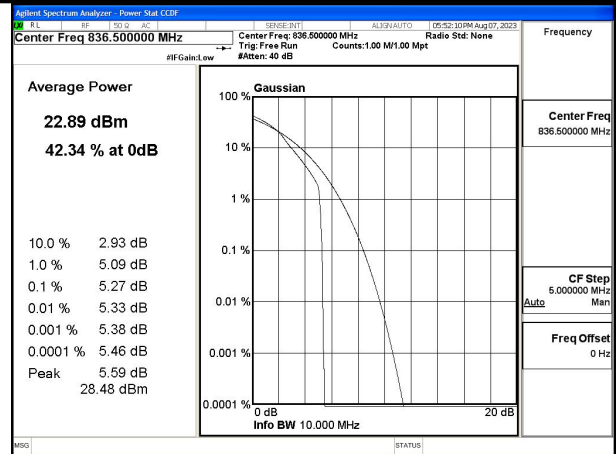


Fig.62

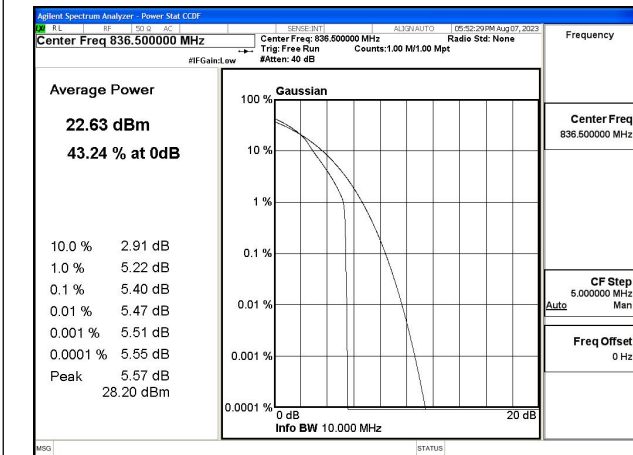


Fig.63

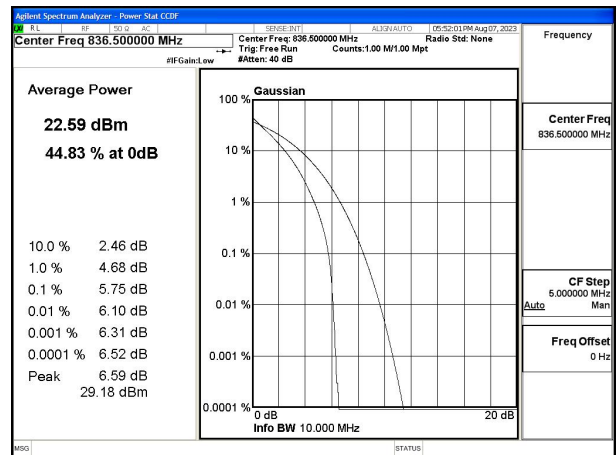


Fig.64

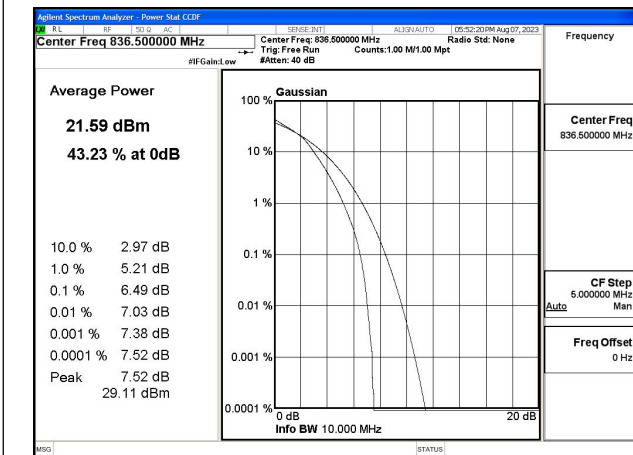


Fig.65

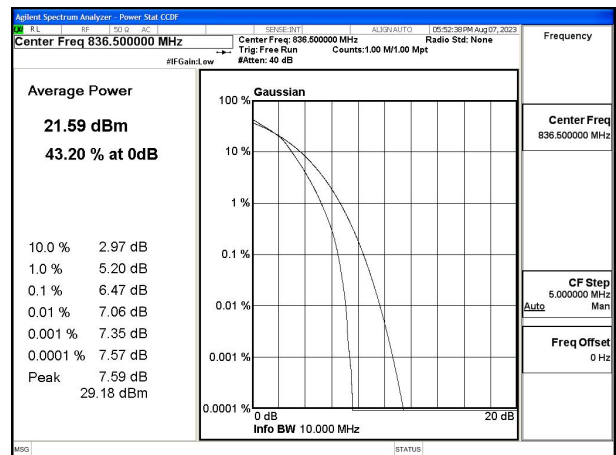


Fig.66

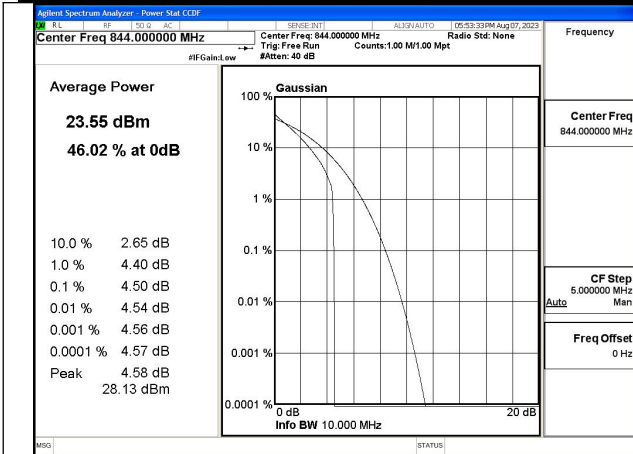


Fig.67

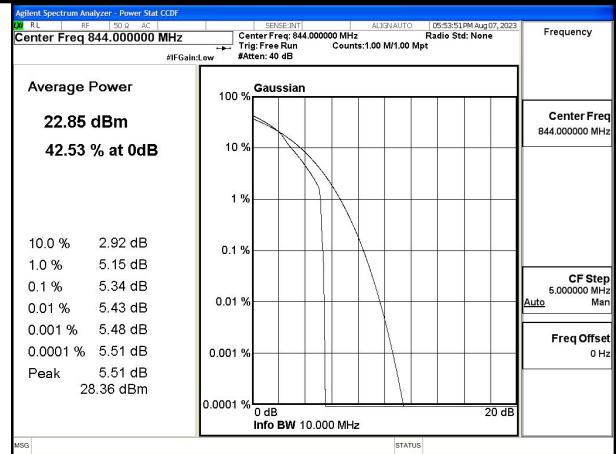


Fig.68

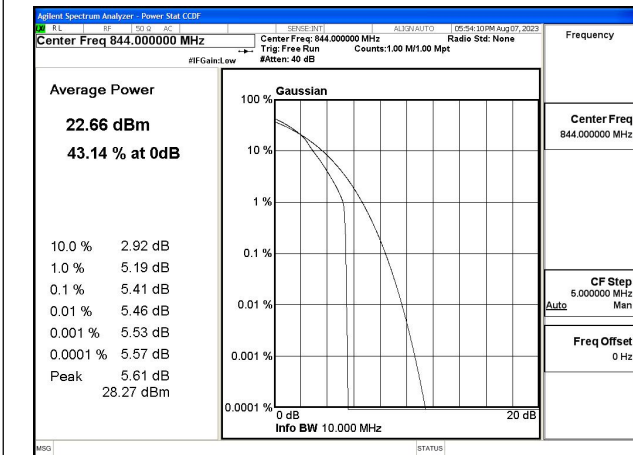


Fig.69

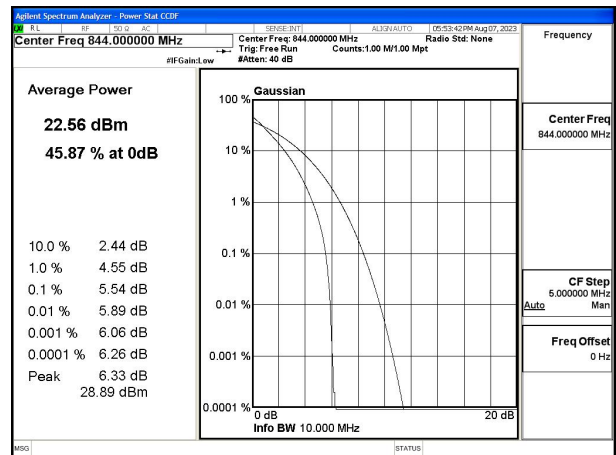


Fig.70

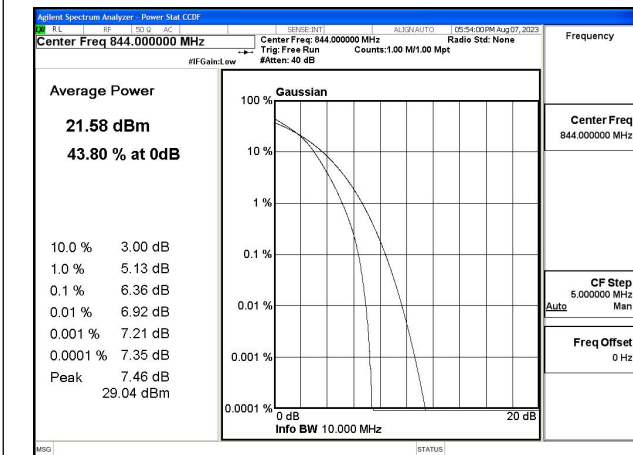


Fig.71

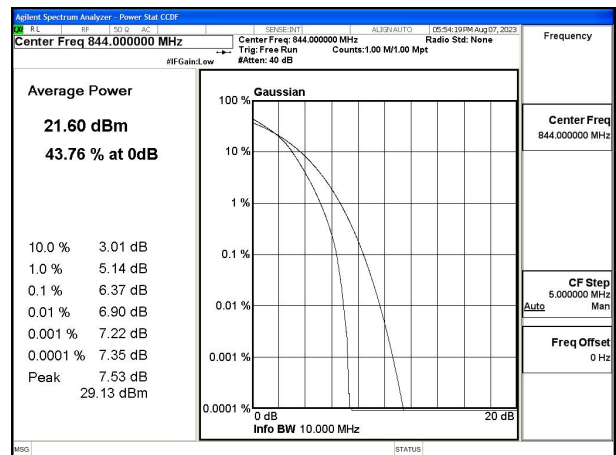


Fig.72

**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

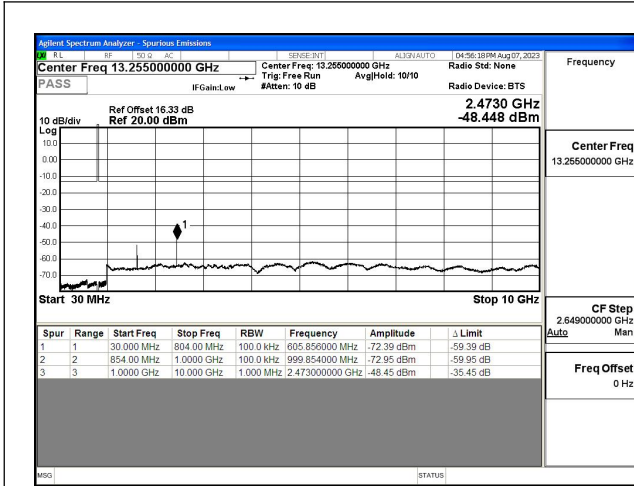


Fig.1

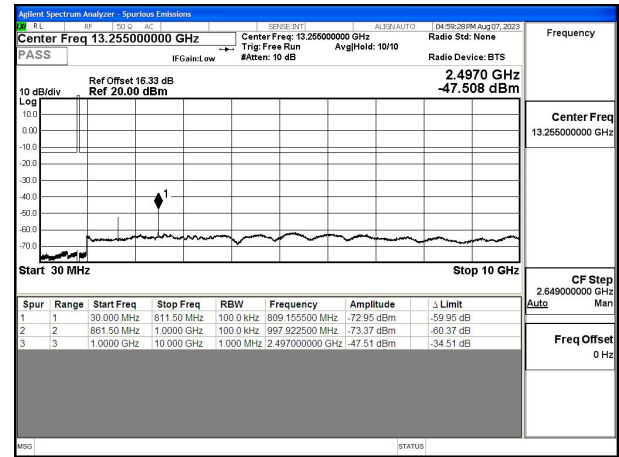


Fig.2

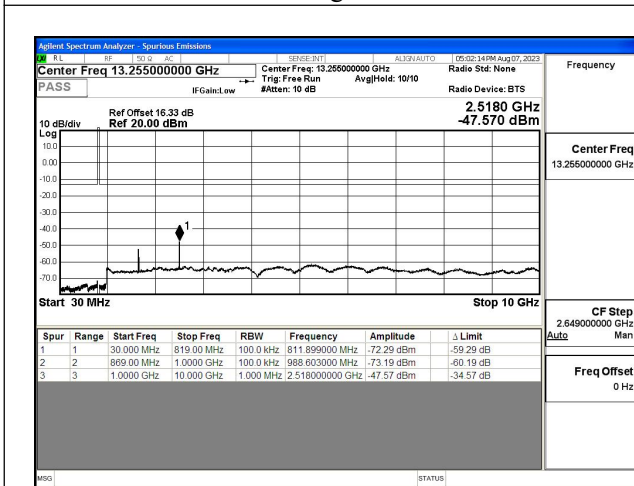


Fig.3

### 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

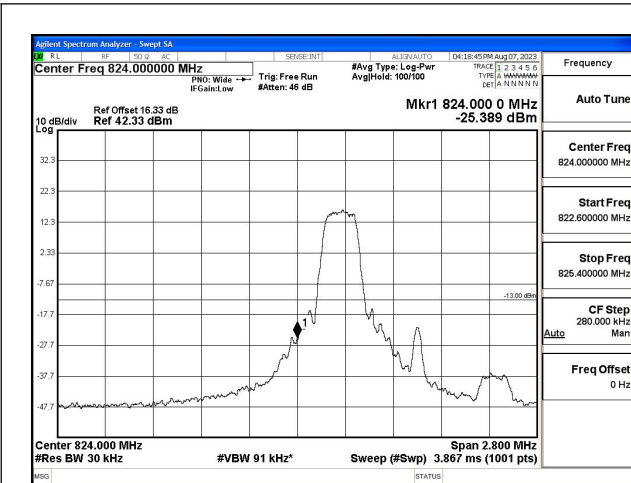


Fig.1

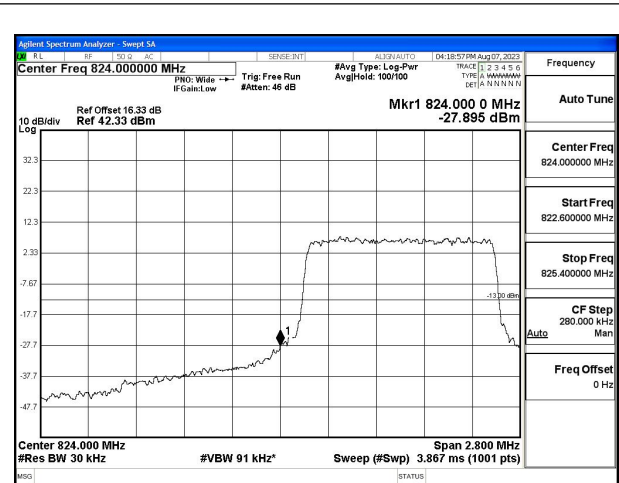


Fig.2

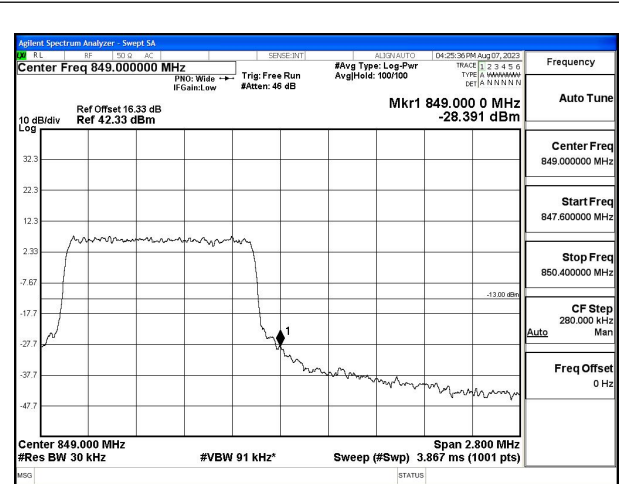
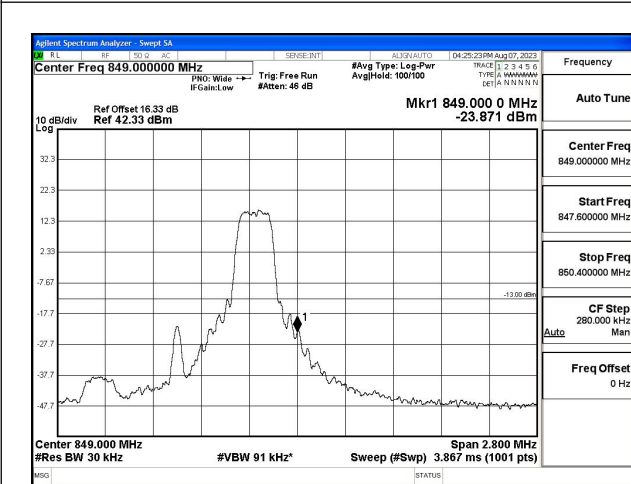


Fig.3

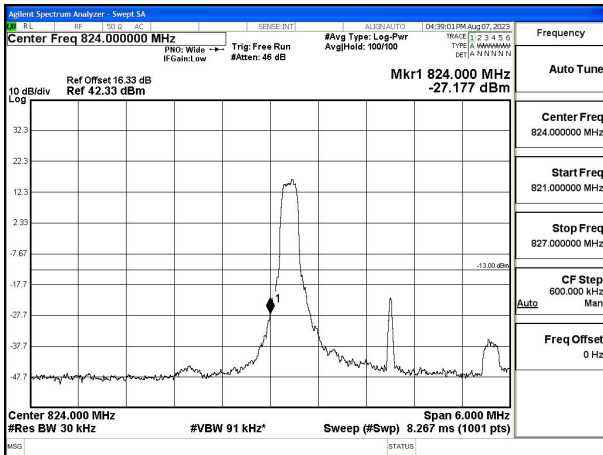


Fig.4

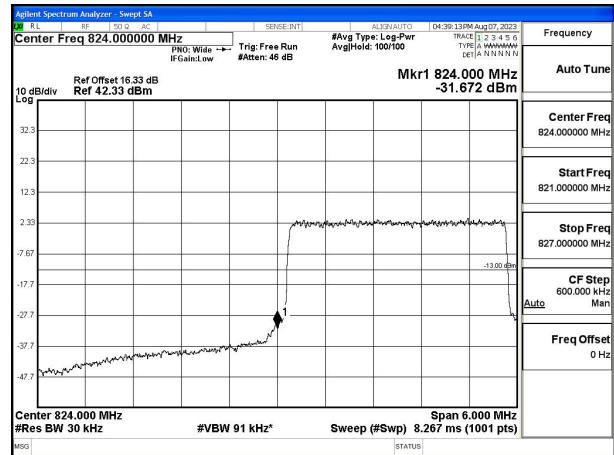


Fig.5

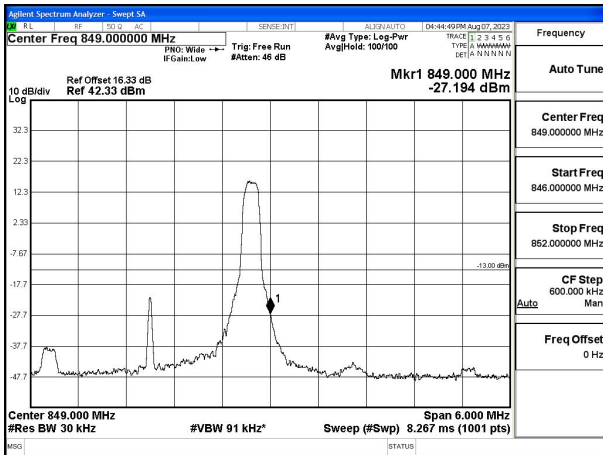


Fig.6

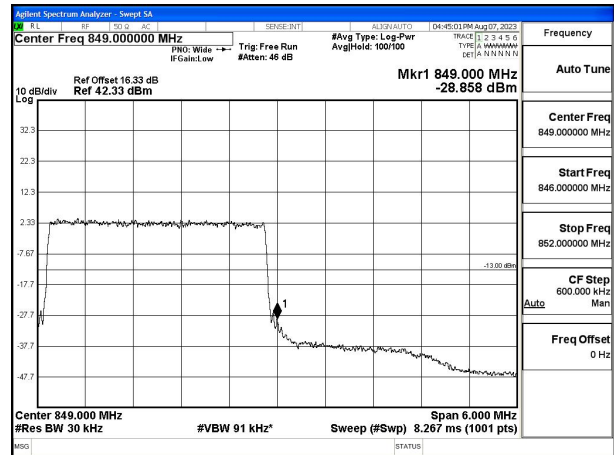


Fig.7

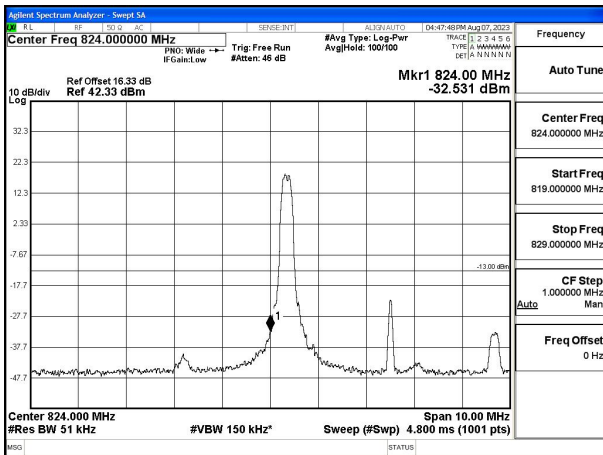


Fig.8

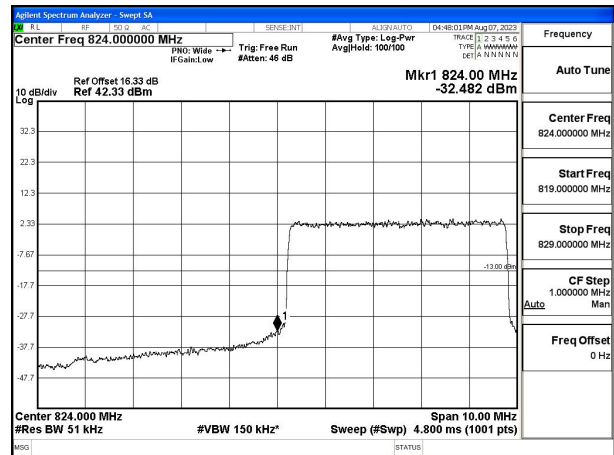


Fig.9

Fig.10

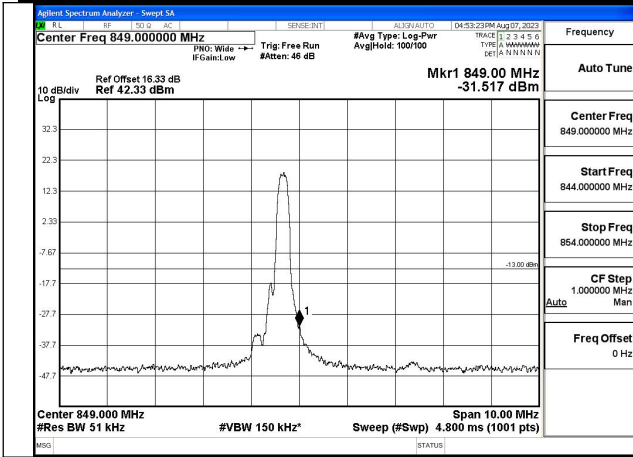


Fig. 11

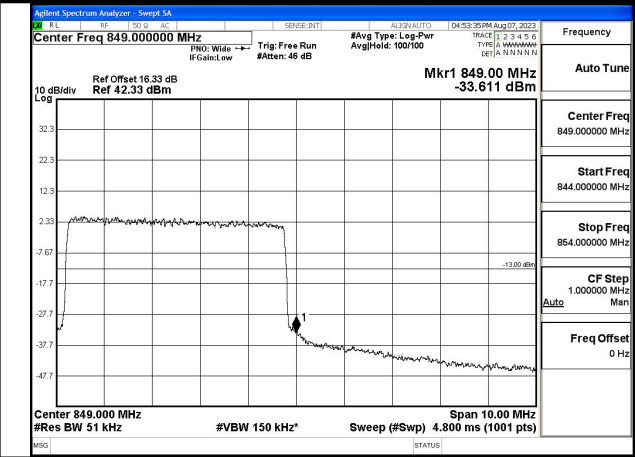


Fig. 12

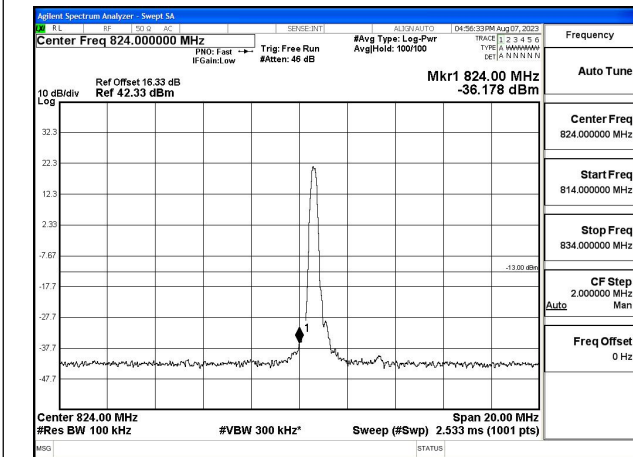


Fig. 13

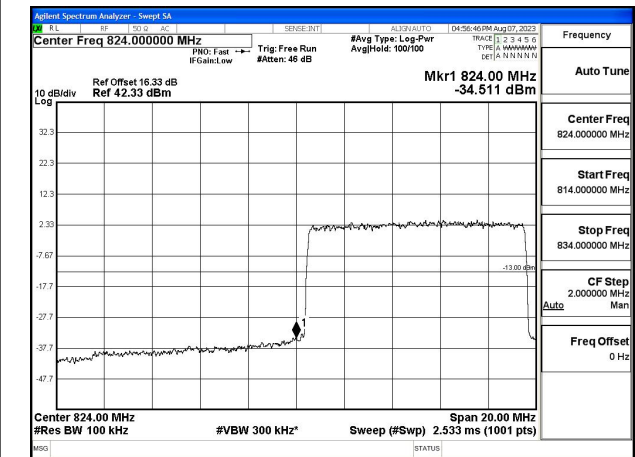


Fig. 14

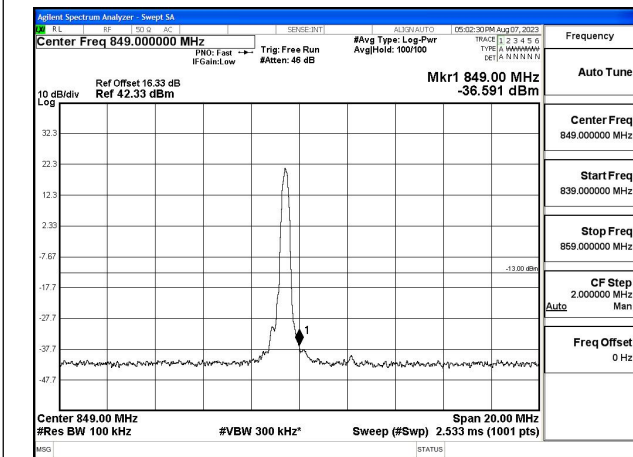


Fig. 15

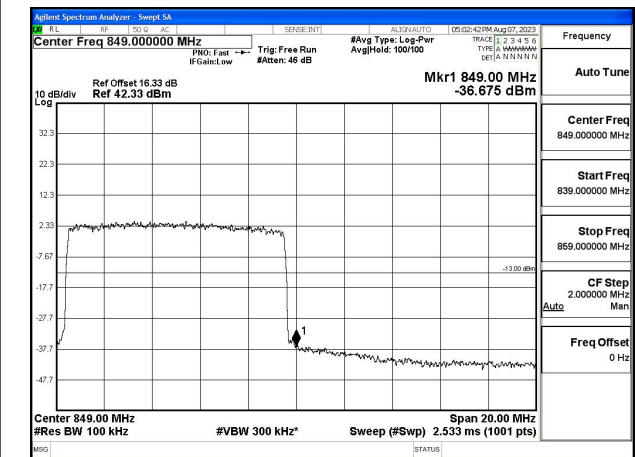


Fig. 16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.008	-0.008	0.005	-0.007
0	NV	0.004	0.005	0.004	0.004
+10	NV	-0.027	-0.003	0.004	0.008
+20	NV	0.014	-0.004	-0.002	-0.003
+30	NV	-0.010	0.000	0.002	0.004
+40	NV	-0.018	-0.002	0.004	-0.006
+50	NV	-0.024	0.003	0.006	-0.006
+55	NV	0.015	0.005	0.003	-0.007
+20	LV	-0.018	0.002	0.001	0.006
+20	HV	0.017	-0.006	0.004	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.009	-0.005	-0.008	-0.006
0	NV	0.015	0.003	0.002	0.003
+10	NV	-0.022	-0.004	0.006	-0.004
+20	NV	-0.016	0.010	0.006	-0.006
+30	NV	0.012	-0.003	-0.005	0.003
+40	NV	0.012	-0.001	0.005	-0.006
+50	NV	0.019	0.010	0.006	-0.006
+55	NV	-0.016	0.009	0.004	-0.005
+20	LV	-0.019	0.004	0.007	-0.006
+20	HV	0.020	-0.004	0.007	0.003

### 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	23.05	12.40	0.017
QPSK	824.7	20407	1.4	1	3	23.02	12.37	0.017
QPSK	824.7	20407	1.4	1	5	23.06	12.41	0.017
QPSK	824.7	20407	1.4	3	0	23.15	12.50	0.018
QPSK	824.7	20407	1.4	3	1	23.17	12.52	0.018
QPSK	824.7	20407	1.4	3	3	23.14	12.49	0.018
QPSK	824.7	20407	1.4	6	0	22.15	11.50	0.014
QPSK	836.5	20525	1.4	1	0	22.99	12.34	0.017
QPSK	836.5	20525	1.4	1	3	23.10	12.45	0.018
QPSK	836.5	20525	1.4	1	5	23.09	12.44	0.018
QPSK	836.5	20525	1.4	3	0	23.17	12.52	0.018
QPSK	836.5	20525	1.4	3	1	23.07	12.42	0.017
QPSK	836.5	20525	1.4	3	3	23.04	12.39	0.017
QPSK	836.5	20525	1.4	6	0	22.10	11.45	0.014
QPSK	848.3	20643	1.4	1	0	23.20	12.55	0.018
QPSK	848.3	20643	1.4	1	3	23.22	12.57	0.018
QPSK	848.3	20643	1.4	1	5	23.16	12.51	0.018
QPSK	848.3	20643	1.4	3	0	23.19	12.54	0.018
QPSK	848.3	20643	1.4	3	1	23.27	12.62	0.018
QPSK	848.3	20643	1.4	3	3	23.22	12.57	0.018
QPSK	848.3	20643	1.4	6	0	22.22	11.57	0.014



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	22.15	11.50	0.014
16QAM	824.7	20407	1.4	1	3	22.49	11.84	0.015
16QAM	824.7	20407	1.4	1	5	22.17	11.52	0.014
16QAM	824.7	20407	1.4	3	0	21.99	11.34	0.014
16QAM	824.7	20407	1.4	3	1	22.24	11.59	0.014
16QAM	824.7	20407	1.4	3	3	22.26	11.61	0.014
16QAM	824.7	20407	1.4	6	0	21.08	10.43	0.011
16QAM	836.5	20525	1.4	1	0	21.83	11.18	0.013
16QAM	836.5	20525	1.4	1	3	22.00	11.35	0.014
16QAM	836.5	20525	1.4	1	5	22.37	11.72	0.015
16QAM	836.5	20525	1.4	3	0	22.24	11.59	0.014
16QAM	836.5	20525	1.4	3	1	22.31	11.66	0.015
16QAM	836.5	20525	1.4	3	3	22.10	11.45	0.014
16QAM	836.5	20525	1.4	6	0	21.05	10.40	0.011
16QAM	848.3	20643	1.4	1	0	22.80	12.15	0.016
16QAM	848.3	20643	1.4	1	3	22.72	12.07	0.016
16QAM	848.3	20643	1.4	1	5	22.69	12.04	0.016
16QAM	848.3	20643	1.4	3	0	22.39	11.74	0.015
16QAM	848.3	20643	1.4	3	1	22.36	11.71	0.015
16QAM	848.3	20643	1.4	3	3	22.14	11.49	0.014
16QAM	848.3	20643	1.4	6	0	21.14	10.49	0.011
64QAM	824.7	20407	1.4	1	0	22.01	11.36	0.014
64QAM	824.7	20407	1.4	1	3	22.06	11.41	0.014
64QAM	824.7	20407	1.4	1	5	22.35	11.70	0.015
64QAM	824.7	20407	1.4	3	0	22.26	11.61	0.014
64QAM	824.7	20407	1.4	3	1	22.20	11.55	0.014
64QAM	824.7	20407	1.4	3	3	22.20	11.55	0.014
64QAM	824.7	20407	1.4	6	0	21.21	10.56	0.011
64QAM	836.5	20525	1.4	1	0	22.59	11.94	0.016
64QAM	836.5	20525	1.4	1	3	22.22	11.57	0.014
64QAM	836.5	20525	1.4	1	5	21.67	11.02	0.013
64QAM	836.5	20525	1.4	3	0	22.07	11.42	0.014
64QAM	836.5	20525	1.4	3	1	22.15	11.50	0.014
64QAM	836.5	20525	1.4	3	3	22.20	11.55	0.014
64QAM	836.5	20525	1.4	6	0	21.09	10.44	0.011
64QAM	848.3	20643	1.4	1	0	22.35	11.70	0.015
64QAM	848.3	20643	1.4	1	3	22.15	11.50	0.014
64QAM	848.3	20643	1.4	1	5	22.26	11.61	0.014
64QAM	848.3	20643	1.4	3	0	22.43	11.78	0.015
64QAM	848.3	20643	1.4	3	1	22.46	11.81	0.015
64QAM	848.3	20643	1.4	3	3	22.27	11.62	0.015
64QAM	848.3	20643	1.4	6	0	21.22	10.57	0.011

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	12.47	0.018
QPSK	825.5	20415	3	1	8	23.22	12.57	0.018
QPSK	825.5	20415	3	1	14	23.02	12.37	0.017
QPSK	825.5	20415	3	8	0	22.16	11.51	0.014
QPSK	825.5	20415	3	8	4	22.25	11.60	0.014
QPSK	825.5	20415	3	8	7	22.20	11.55	0.014
QPSK	825.5	20415	3	15	0	22.19	11.54	0.014
QPSK	836.5	20525	3	1	0	23.22	12.57	0.018
QPSK	836.5	20525	3	1	8	23.17	12.52	0.018
QPSK	836.5	20525	3	1	14	23.15	12.50	0.018
QPSK	836.5	20525	3	8	0	22.02	11.37	0.014
QPSK	836.5	20525	3	8	4	22.15	11.50	0.014
QPSK	836.5	20525	3	8	7	22.14	11.49	0.014
QPSK	836.5	20525	3	15	0	22.16	11.51	0.014
QPSK	847.5	20635	3	1	0	23.16	12.51	0.018
QPSK	847.5	20635	3	1	8	23.20	12.55	0.018
QPSK	847.5	20635	3	1	14	23.09	12.44	0.018
QPSK	847.5	20635	3	8	0	22.21	11.56	0.014
QPSK	847.5	20635	3	8	4	22.20	11.55	0.014
QPSK	847.5	20635	3	8	7	22.17	11.52	0.014
QPSK	847.5	20635	3	15	0	22.25	11.60	0.014

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	22.76	12.11	0.016
16QAM	825.5	20415	3	1	8	22.54	11.89	0.015
16QAM	825.5	20415	3	1	14	22.38	11.73	0.015
16QAM	825.5	20415	3	8	0	21.23	10.58	0.011
16QAM	825.5	20415	3	8	4	21.15	10.50	0.011
16QAM	825.5	20415	3	8	7	21.18	10.53	0.011
16QAM	825.5	20415	3	15	0	21.22	10.57	0.011
16QAM	836.5	20525	3	1	0	22.21	11.56	0.014
16QAM	836.5	20525	3	1	8	22.28	11.63	0.015
16QAM	836.5	20525	3	1	14	22.73	12.08	0.016
16QAM	836.5	20525	3	8	0	21.04	10.39	0.011
16QAM	836.5	20525	3	8	4	21.36	10.71	0.012
16QAM	836.5	20525	3	8	7	21.35	10.70	0.012
16QAM	836.5	20525	3	15	0	21.09	10.44	0.011
16QAM	847.5	20635	3	1	0	22.75	12.10	0.016
16QAM	847.5	20635	3	1	8	22.40	11.75	0.015
16QAM	847.5	20635	3	1	14	22.43	11.78	0.015
16QAM	847.5	20635	3	8	0	21.34	10.69	0.012
16QAM	847.5	20635	3	8	4	21.31	10.66	0.012
16QAM	847.5	20635	3	8	7	21.32	10.67	0.012
16QAM	847.5	20635	3	15	0	21.24	10.59	0.011
64QAM	825.5	20415	3	1	0	22.18	11.53	0.014
64QAM	825.5	20415	3	1	8	22.24	11.59	0.014
64QAM	825.5	20415	3	1	14	22.16	11.51	0.014
64QAM	825.5	20415	3	8	0	21.31	10.66	0.012
64QAM	825.5	20415	3	8	4	21.14	10.49	0.011
64QAM	825.5	20415	3	8	7	21.14	10.49	0.011
64QAM	825.5	20415	3	15	0	21.15	10.50	0.011
64QAM	836.5	20525	3	1	0	22.21	11.56	0.014
64QAM	836.5	20525	3	1	8	22.42	11.77	0.015
64QAM	836.5	20525	3	1	14	22.03	11.38	0.014
64QAM	836.5	20525	3	8	0	21.00	10.35	0.011
64QAM	836.5	20525	3	8	4	21.23	10.58	0.011
64QAM	836.5	20525	3	8	7	21.09	10.44	0.011
64QAM	836.5	20525	3	15	0	21.17	10.52	0.011
64QAM	847.5	20635	3	1	0	21.89	11.24	0.013
64QAM	847.5	20635	3	1	8	22.62	11.97	0.016
64QAM	847.5	20635	3	1	14	22.47	11.82	0.015
64QAM	847.5	20635	3	8	0	21.14	10.49	0.011
64QAM	847.5	20635	3	8	4	21.13	10.48	0.011
64QAM	847.5	20635	3	8	7	21.17	10.52	0.011
64QAM	847.5	20635	3	15	0	21.24	10.59	0.011

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	23.17	12.52	0.018
QPSK	826.5	20425	5	1	12	23.19	12.54	0.018
QPSK	826.5	20425	5	1	24	23.01	12.36	0.017
QPSK	826.5	20425	5	12	0	22.21	11.56	0.014
QPSK	826.5	20425	5	12	7	22.17	11.52	0.014
QPSK	826.5	20425	5	12	13	22.15	11.50	0.014
QPSK	826.5	20425	5	25	0	22.17	11.52	0.014
QPSK	836.5	20525	5	1	0	23.32	12.67	0.018
QPSK	836.5	20525	5	1	12	23.05	12.40	0.017
QPSK	836.5	20525	5	1	24	23.08	12.43	0.017
QPSK	836.5	20525	5	12	0	22.10	11.45	0.014
QPSK	836.5	20525	5	12	7	22.20	11.55	0.014
QPSK	836.5	20525	5	12	13	22.19	11.54	0.014
QPSK	836.5	20525	5	25	0	22.09	11.44	0.014
QPSK	846.5	20625	5	1	0	23.20	12.55	0.018
QPSK	846.5	20625	5	1	12	23.25	12.60	0.018
QPSK	846.5	20625	5	1	24	23.10	12.45	0.018
QPSK	846.5	20625	5	12	0	22.14	11.49	0.014
QPSK	846.5	20625	5	12	7	22.12	11.47	0.014
QPSK	846.5	20625	5	12	13	22.18	11.53	0.014
QPSK	846.5	20625	5	25	0	22.17	11.52	0.014

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	22.50	11.85	0.015
16QAM	826.5	20425	5	1	12	22.75	12.10	0.016
16QAM	826.5	20425	5	1	24	22.53	11.88	0.015
16QAM	826.5	20425	5	12	0	21.19	10.54	0.011
16QAM	826.5	20425	5	12	7	21.20	10.55	0.011
16QAM	826.5	20425	5	12	13	21.21	10.56	0.011
16QAM	826.5	20425	5	25	0	21.26	10.61	0.012
16QAM	836.5	20525	5	1	0	22.28	11.63	0.015
16QAM	836.5	20525	5	1	12	22.10	11.45	0.014
16QAM	836.5	20525	5	1	24	22.47	11.82	0.015
16QAM	836.5	20525	5	12	0	21.23	10.58	0.011
16QAM	836.5	20525	5	12	7	21.21	10.56	0.011
16QAM	836.5	20525	5	12	13	21.16	10.51	0.011
16QAM	836.5	20525	5	25	0	21.08	10.43	0.011
16QAM	846.5	20625	5	1	0	23.09	12.44	0.018
16QAM	846.5	20625	5	1	12	22.40	11.75	0.015
16QAM	846.5	20625	5	1	24	22.29	11.64	0.015
16QAM	846.5	20625	5	12	0	21.25	10.60	0.011
16QAM	846.5	20625	5	12	7	21.08	10.43	0.011
16QAM	846.5	20625	5	12	13	21.14	10.49	0.011
16QAM	846.5	20625	5	25	0	21.13	10.48	0.011
64QAM	826.5	20425	5	1	0	22.34	11.69	0.015
64QAM	826.5	20425	5	1	12	22.16	11.51	0.014
64QAM	826.5	20425	5	1	24	22.39	11.74	0.015
64QAM	826.5	20425	5	12	0	21.08	10.43	0.011
64QAM	826.5	20425	5	12	7	21.14	10.49	0.011
64QAM	826.5	20425	5	12	13	21.27	10.62	0.012
64QAM	826.5	20425	5	25	0	21.14	10.49	0.011
64QAM	836.5	20525	5	1	0	22.01	11.36	0.014
64QAM	836.5	20525	5	1	12	22.37	11.72	0.015
64QAM	836.5	20525	5	1	24	22.25	11.60	0.014
64QAM	836.5	20525	5	12	0	21.16	10.51	0.011
64QAM	836.5	20525	5	12	7	21.28	10.63	0.012
64QAM	836.5	20525	5	12	13	21.19	10.54	0.011
64QAM	836.5	20525	5	25	0	20.99	10.34	0.011
64QAM	846.5	20625	5	1	0	22.37	11.72	0.015
64QAM	846.5	20625	5	1	12	22.70	12.05	0.016
64QAM	846.5	20625	5	1	24	22.29	11.64	0.015
64QAM	846.5	20625	5	12	0	21.08	10.43	0.011
64QAM	846.5	20625	5	12	7	21.24	10.59	0.011
64QAM	846.5	20625	5	12	13	21.31	10.66	0.012
64QAM	846.5	20625	5	25	0	21.07	10.42	0.011

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	23.35	12.70	0.019
QPSK	829	20450	10	1	25	22.96	12.31	0.017
QPSK	829	20450	10	1	49	22.87	12.22	0.017
QPSK	829	20450	10	25	0	22.19	11.54	0.014
QPSK	829	20450	10	25	12	22.24	11.59	0.014
QPSK	829	20450	10	25	25	22.15	11.50	0.014
QPSK	829	20450	10	50	0	22.23	11.58	0.014
QPSK	836.5	20525	10	1	0	23.10	12.45	0.018
QPSK	836.5	20525	10	1	25	23.13	12.48	0.018
QPSK	836.5	20525	10	1	49	23.14	12.49	0.018
QPSK	836.5	20525	10	25	0	22.12	11.47	0.014
QPSK	836.5	20525	10	25	12	22.09	11.44	0.014
QPSK	836.5	20525	10	25	25	22.22	11.57	0.014
QPSK	836.5	20525	10	50	0	22.15	11.50	0.014
QPSK	844	20600	10	1	0	23.18	12.53	0.018
QPSK	844	20600	10	1	25	23.12	12.47	0.018
QPSK	844	20600	10	1	49	23.20	12.55	0.018
QPSK	844	20600	10	25	0	22.16	11.51	0.014
QPSK	844	20600	10	25	12	22.23	11.58	0.014
QPSK	844	20600	10	25	25	22.16	11.51	0.014
QPSK	844	20600	10	50	0	22.22	11.57	0.014

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	22.52	11.87	0.015
16QAM	829	20450	10	1	25	22.53	11.88	0.015
16QAM	829	20450	10	1	49	22.37	11.72	0.015
16QAM	829	20450	10	25	0	21.12	10.47	0.011
16QAM	829	20450	10	25	12	21.28	10.63	0.012
16QAM	829	20450	10	25	25	21.04	10.39	0.011
16QAM	829	20450	10	50	0	21.17	10.52	0.011
16QAM	836.5	20525	10	1	0	21.82	11.17	0.013
16QAM	836.5	20525	10	1	25	22.37	11.72	0.015
16QAM	836.5	20525	10	1	49	22.30	11.65	0.015
16QAM	836.5	20525	10	25	0	21.13	10.48	0.011
16QAM	836.5	20525	10	25	12	21.08	10.43	0.011
16QAM	836.5	20525	10	25	25	21.20	10.55	0.011
16QAM	836.5	20525	10	50	0	21.17	10.52	0.011
16QAM	844	20600	10	1	0	22.90	12.25	0.017
16QAM	844	20600	10	1	25	22.47	11.82	0.015
16QAM	844	20600	10	1	49	22.32	11.67	0.015
16QAM	844	20600	10	25	0	21.18	10.53	0.011
16QAM	844	20600	10	25	12	21.21	10.56	0.011
16QAM	844	20600	10	25	25	21.19	10.54	0.011
16QAM	844	20600	10	50	0	21.16	10.51	0.011
64QAM	829	20450	10	1	0	22.29	11.64	0.015
64QAM	829	20450	10	1	25	22.21	11.56	0.014
64QAM	829	20450	10	1	49	22.18	11.53	0.014
64QAM	829	20450	10	25	0	21.06	10.41	0.011
64QAM	829	20450	10	25	12	21.12	10.47	0.011
64QAM	829	20450	10	25	25	21.22	10.57	0.011
64QAM	829	20450	10	50	0	21.09	10.44	0.011
64QAM	836.5	20525	10	1	0	22.14	11.49	0.014
64QAM	836.5	20525	10	1	25	22.50	11.85	0.015
64QAM	836.5	20525	10	1	49	21.87	11.22	0.013
64QAM	836.5	20525	10	25	0	21.11	10.46	0.011
64QAM	836.5	20525	10	25	12	20.96	10.31	0.011
64QAM	836.5	20525	10	25	25	21.17	10.52	0.011
64QAM	836.5	20525	10	50	0	21.18	10.53	0.011
64QAM	844	20600	10	1	0	22.66	12.01	0.016
64QAM	844	20600	10	1	25	22.11	11.46	0.014
64QAM	844	20600	10	1	49	22.22	11.57	0.014
64QAM	844	20600	10	25	0	21.25	10.60	0.011
64QAM	844	20600	10	25	12	21.16	10.51	0.011
64QAM	844	20600	10	25	25	21.24	10.59	0.011
64QAM	844	20600	10	50	0	21.21	10.56	0.011