

Fig.7

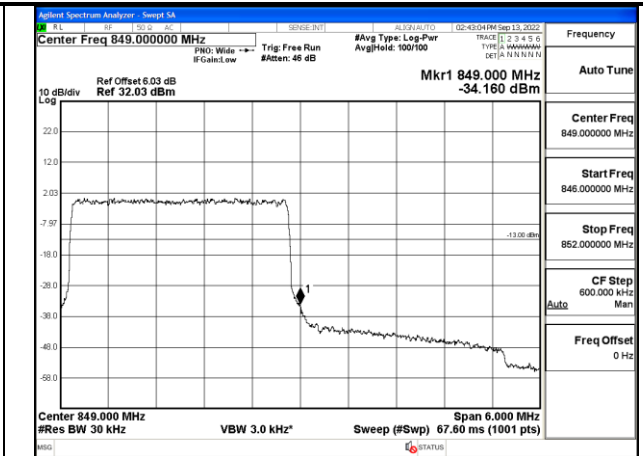


Fig.8

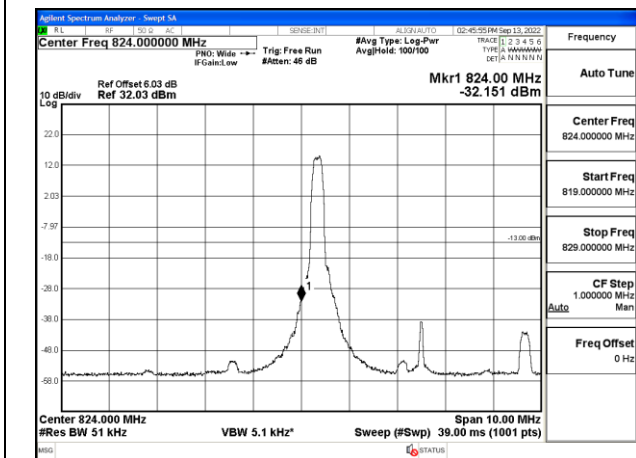


Fig.9

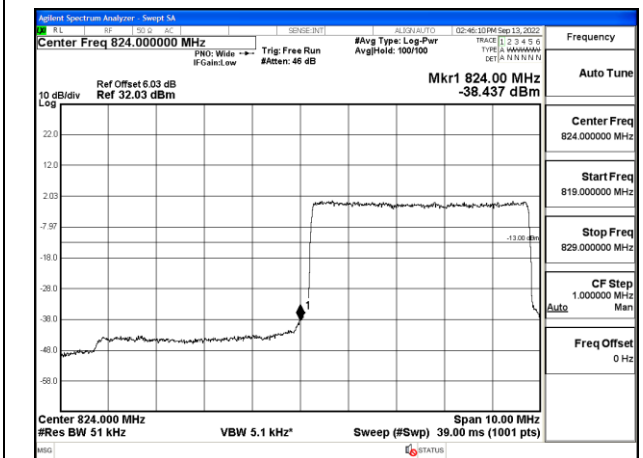


Fig.10

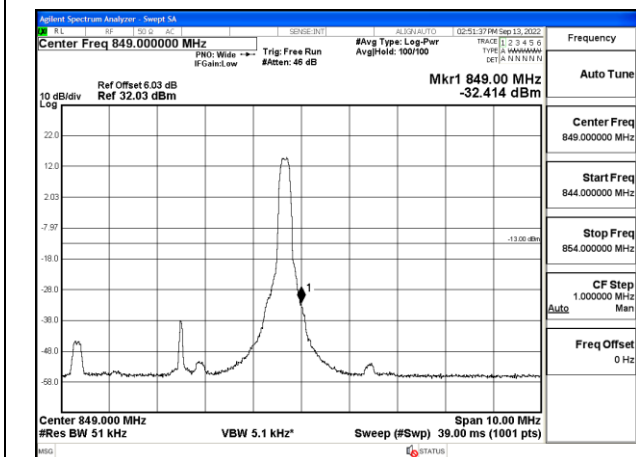


Fig.11

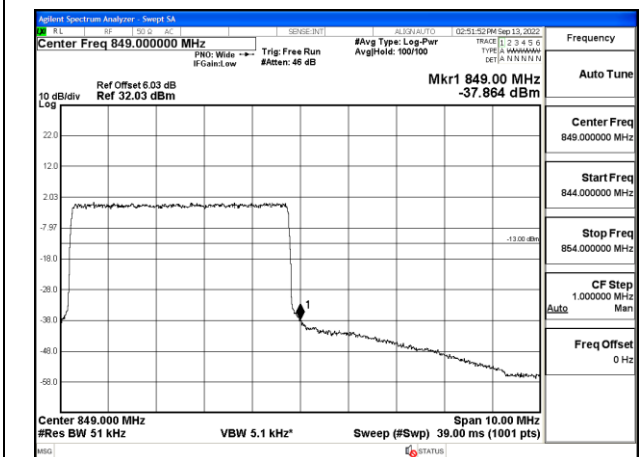


Fig.12

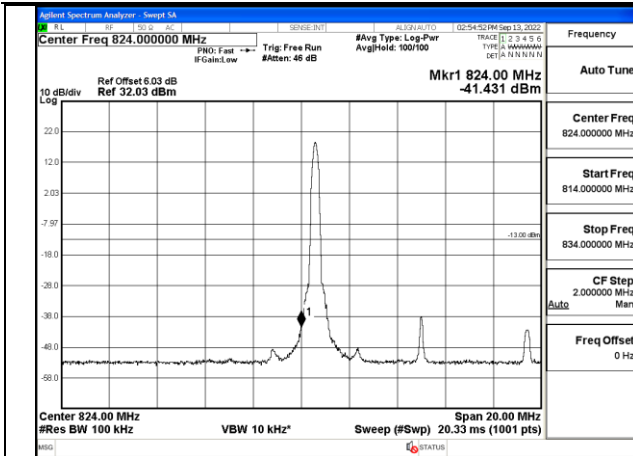


Fig.13

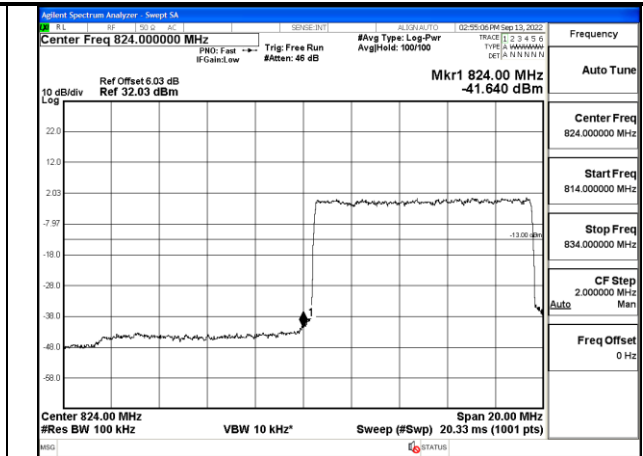


Fig.14

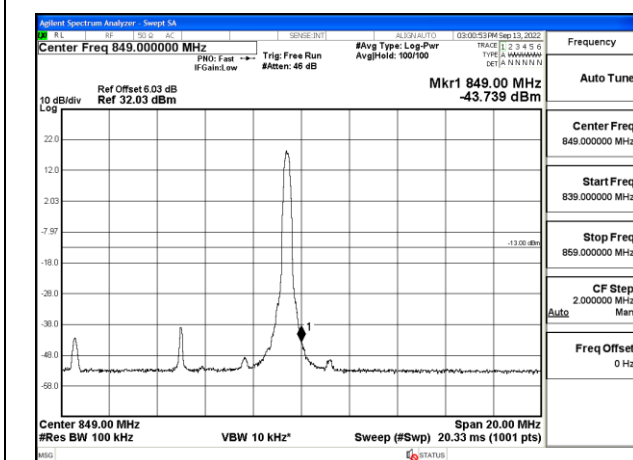


Fig.15

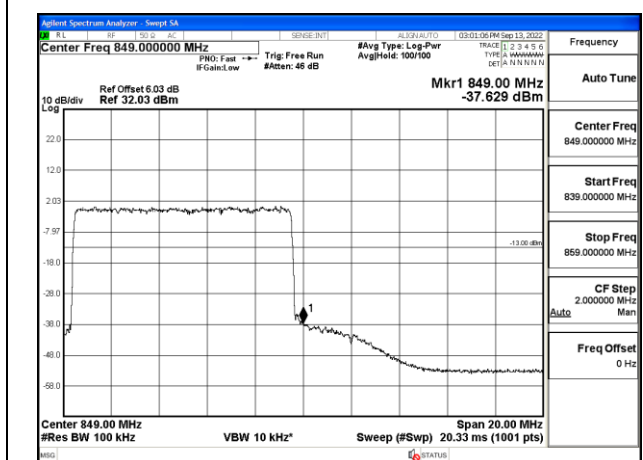


Fig.16

## 7 Frequency Stability

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

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.005	-0.008	0.008	-0.002
0	NV	0.009	0.007	-0.007	0.006
+10	NV	-0.006	0.007	0.005	-0.004
+20	NV	-0.009	-0.008	-0.003	-0.009
+30	NV	-0.005	0.010	0.009	-0.007
+40	NV	0.003	-0.004	-0.002	-0.006
+55	NV	-0.004	-0.005	0.000	0.007
+20	LV	-0.009	-0.003	0.002	0.009
+20	HV	-0.005	-0.002	0.005	0.000

### 8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	824.7	20407	1.4	1	0	21.59	20.04	0.101
QPSK	824.7	20407	1.4	1	3	21.54	19.99	0.100
QPSK	824.7	20407	1.4	1	5	21.61	20.06	0.101
QPSK	824.7	20407	1.4	3	0	21.50	19.95	0.099
QPSK	824.7	20407	1.4	3	1	21.56	20.01	0.100
QPSK	824.7	20407	1.4	3	3	21.57	20.02	0.100
QPSK	824.7	20407	1.4	6	0	20.52	18.97	0.079
QPSK	836.5	20525	1.4	1	0	21.54	19.99	0.100
QPSK	836.5	20525	1.4	1	3	21.65	20.10	0.102
QPSK	836.5	20525	1.4	1	5	21.44	19.89	0.097
QPSK	836.5	20525	1.4	3	0	21.59	20.04	0.101
QPSK	836.5	20525	1.4	3	1	21.62	20.07	0.102
QPSK	836.5	20525	1.4	3	3	21.52	19.97	0.099
QPSK	836.5	20525	1.4	6	0	20.54	18.99	0.079
QPSK	848.3	20643	1.4	1	0	21.63	20.08	0.102
QPSK	848.3	20643	1.4	1	3	21.64	20.09	0.102
QPSK	848.3	20643	1.4	1	5	21.62	20.07	0.102
QPSK	848.3	20643	1.4	3	0	21.59	20.04	0.101
QPSK	848.3	20643	1.4	3	1	21.73	20.18	0.104
QPSK	848.3	20643	1.4	3	3	21.63	20.08	0.102
QPSK	848.3	20643	1.4	6	0	20.70	19.15	0.082

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	824.7	20407	1.4	1	0	20.59	19.04	0.080
16QAM	824.7	20407	1.4	1	3	20.66	19.11	0.081
16QAM	824.7	20407	1.4	1	5	20.57	19.02	0.080
16QAM	824.7	20407	1.4	3	0	20.65	19.10	0.081
16QAM	824.7	20407	1.4	3	1	20.46	18.91	0.078
16QAM	824.7	20407	1.4	3	3	20.61	19.06	0.081
16QAM	824.7	20407	1.4	6	0	19.59	18.04	0.064
16QAM	836.5	20525	1.4	1	0	20.68	19.13	0.082
16QAM	836.5	20525	1.4	1	3	20.44	18.89	0.077
16QAM	836.5	20525	1.4	1	5	20.60	19.05	0.080
16QAM	836.5	20525	1.4	3	0	20.75	19.20	0.083
16QAM	836.5	20525	1.4	3	1	20.75	19.20	0.083
16QAM	836.5	20525	1.4	3	3	20.82	19.27	0.085
16QAM	836.5	20525	1.4	6	0	19.56	18.01	0.063
16QAM	848.3	20643	1.4	1	0	21.35	19.80	0.095
16QAM	848.3	20643	1.4	1	3	20.85	19.30	0.085
16QAM	848.3	20643	1.4	1	5	20.92	19.37	0.086
16QAM	848.3	20643	1.4	3	0	20.64	19.09	0.081
16QAM	848.3	20643	1.4	3	1	20.69	19.14	0.082
16QAM	848.3	20643	1.4	3	3	20.50	18.95	0.079
16QAM	848.3	20643	1.4	6	0	19.74	18.19	0.066

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	21.55	20.00	0.100
QPSK	825.5	20415	3	1	8	21.62	20.07	0.102
QPSK	825.5	20415	3	1	14	21.55	20.00	0.100
QPSK	825.5	20415	3	8	0	20.66	19.11	0.081
QPSK	825.5	20415	3	8	4	20.62	19.07	0.081
QPSK	825.5	20415	3	8	7	20.61	19.06	0.081
QPSK	825.5	20415	3	15	0	20.63	19.08	0.081
QPSK	836.5	20525	3	1	0	21.62	20.07	0.102
QPSK	836.5	20525	3	1	8	21.65	20.10	0.102
QPSK	836.5	20525	3	1	14	21.60	20.05	0.101
QPSK	836.5	20525	3	8	0	20.66	19.11	0.081
QPSK	836.5	20525	3	8	4	20.62	19.07	0.081
QPSK	836.5	20525	3	8	7	20.67	19.12	0.082
QPSK	836.5	20525	3	15	0	20.54	18.99	0.079
QPSK	847.5	20635	3	1	0	21.61	20.06	0.101
QPSK	847.5	20635	3	1	8	21.76	20.21	0.105
QPSK	847.5	20635	3	1	14	21.66	20.11	0.103
QPSK	847.5	20635	3	8	0	20.76	19.21	0.083
QPSK	847.5	20635	3	8	4	20.72	19.17	0.083
QPSK	847.5	20635	3	8	7	20.67	19.12	0.082
QPSK	847.5	20635	3	15	0	20.72	19.17	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	20415	3	1	0	20.54	18.99	0.079
16QAM	825.5	20415	3	1	8	20.51	18.96	0.079
16QAM	825.5	20415	3	1	14	20.63	19.08	0.081
16QAM	825.5	20415	3	8	0	19.73	18.18	0.066
16QAM	825.5	20415	3	8	4	19.74	18.19	0.066
16QAM	825.5	20415	3	8	7	19.63	18.08	0.064
16QAM	825.5	20415	3	15	0	19.58	18.03	0.064
16QAM	836.5	20525	3	1	0	20.86	19.31	0.085
16QAM	836.5	20525	3	1	8	20.72	19.17	0.083
16QAM	836.5	20525	3	1	14	20.55	19.00	0.079
16QAM	836.5	20525	3	8	0	19.81	18.26	0.067
16QAM	836.5	20525	3	8	4	19.78	18.23	0.067
16QAM	836.5	20525	3	8	7	19.63	18.08	0.064
16QAM	836.5	20525	3	15	0	19.72	18.17	0.066
16QAM	847.5	20635	3	1	0	20.89	19.34	0.086
16QAM	847.5	20635	3	1	8	20.91	19.36	0.086
16QAM	847.5	20635	3	1	14	20.93	19.38	0.087
16QAM	847.5	20635	3	8	0	19.75	18.20	0.066
16QAM	847.5	20635	3	8	4	19.92	18.37	0.069
16QAM	847.5	20635	3	8	7	19.73	18.18	0.066
16QAM	847.5	20635	3	15	0	19.80	18.25	0.067

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	21.55	20.00	0.100
QPSK	826.5	20425	5	1	12	21.65	20.10	0.102
QPSK	826.5	20425	5	1	24	21.59	20.04	0.101
QPSK	826.5	20425	5	12	0	20.65	19.10	0.081
QPSK	826.5	20425	5	12	7	20.62	19.07	0.081
QPSK	826.5	20425	5	12	13	20.54	18.99	0.079
QPSK	826.5	20425	5	25	0	20.68	19.13	0.082
QPSK	836.5	20525	5	1	0	21.63	20.08	0.102
QPSK	836.5	20525	5	1	12	21.60	20.05	0.101
QPSK	836.5	20525	5	1	24	21.68	20.13	0.103
QPSK	836.5	20525	5	12	0	20.64	19.09	0.081
QPSK	836.5	20525	5	12	7	20.67	19.12	0.082
QPSK	836.5	20525	5	12	13	20.66	19.11	0.081
QPSK	836.5	20525	5	25	0	20.59	19.04	0.080
QPSK	846.5	20625	5	1	0	21.52	19.97	0.099
QPSK	846.5	20625	5	1	12	21.82	20.27	0.106
QPSK	846.5	20625	5	1	24	21.70	20.15	0.104
QPSK	846.5	20625	5	12	0	20.62	19.07	0.081
QPSK	846.5	20625	5	12	7	20.79	19.24	0.084
QPSK	846.5	20625	5	12	13	20.73	19.18	0.083
QPSK	846.5	20625	5	25	0	20.66	19.11	0.081



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	826.5	20425	5	1	0	20.77	19.22	0.084
16QAM	826.5	20425	5	1	12	21.24	19.69	0.093
16QAM	826.5	20425	5	1	24	20.59	19.04	0.080
16QAM	826.5	20425	5	12	0	19.55	18.00	0.063
16QAM	826.5	20425	5	12	7	19.63	18.08	0.064
16QAM	826.5	20425	5	12	13	19.63	18.08	0.064
16QAM	826.5	20425	5	25	0	19.68	18.13	0.065
16QAM	836.5	20525	5	1	0	20.75	19.20	0.083
16QAM	836.5	20525	5	1	12	20.94	19.39	0.087
16QAM	836.5	20525	5	1	24	20.86	19.31	0.085
16QAM	836.5	20525	5	12	0	19.65	18.10	0.065
16QAM	836.5	20525	5	12	7	19.68	18.13	0.065
16QAM	836.5	20525	5	12	13	19.60	18.05	0.064
16QAM	836.5	20525	5	25	0	19.59	18.04	0.064
16QAM	846.5	20625	5	1	0	20.94	19.39	0.087
16QAM	846.5	20625	5	1	12	20.87	19.32	0.086
16QAM	846.5	20625	5	1	24	20.71	19.16	0.082
16QAM	846.5	20625	5	12	0	19.50	17.95	0.062
16QAM	846.5	20625	5	12	7	19.83	18.28	0.067
16QAM	846.5	20625	5	12	13	19.75	18.20	0.066
16QAM	846.5	20625	5	25	0	19.66	18.11	0.065

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	21.65	20.10	0.102
QPSK	829	20450	10	1	25	21.45	19.90	0.098
QPSK	829	20450	10	1	49	21.65	20.10	0.102
QPSK	829	20450	10	25	0	20.60	19.05	0.080
QPSK	829	20450	10	25	12	20.72	19.17	0.083
QPSK	829	20450	10	25	25	20.67	19.12	0.082
QPSK	829	20450	10	50	0	20.69	19.14	0.082
QPSK	836.5	20525	10	1	0	21.58	20.03	0.101
QPSK	836.5	20525	10	1	25	21.63	20.08	0.102
QPSK	836.5	20525	10	1	49	21.65	20.10	0.102
QPSK	836.5	20525	10	25	0	20.64	19.09	0.081
QPSK	836.5	20525	10	25	12	20.61	19.06	0.081
QPSK	836.5	20525	10	25	25	20.60	19.05	0.080
QPSK	836.5	20525	10	50	0	20.65	19.10	0.081
QPSK	844	20600	10	1	0	21.73	20.18	0.104
QPSK	844	20600	10	1	25	21.68	20.13	0.103
QPSK	844	20600	10	1	49	21.68	20.13	0.103
QPSK	844	20600	10	25	0	20.71	19.16	0.082
QPSK	844	20600	10	25	12	20.67	19.12	0.082
QPSK	844	20600	10	25	25	20.64	19.09	0.081
QPSK	844	20600	10	50	0	20.72	19.17	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	20450	10	1	0	21.01	19.46	0.088
16QAM	829	20450	10	1	25	20.81	19.26	0.084
16QAM	829	20450	10	1	49	21.38	19.83	0.096
16QAM	829	20450	10	25	0	19.65	18.10	0.065
16QAM	829	20450	10	25	12	19.66	18.11	0.065
16QAM	829	20450	10	25	25	19.67	18.12	0.065
16QAM	829	20450	10	50	0	19.69	18.14	0.065
16QAM	836.5	20525	10	1	0	20.88	19.33	0.086
16QAM	836.5	20525	10	1	25	20.92	19.37	0.086
16QAM	836.5	20525	10	1	49	20.88	19.33	0.086
16QAM	836.5	20525	10	25	0	19.69	18.14	0.065
16QAM	836.5	20525	10	25	12	19.64	18.09	0.064
16QAM	836.5	20525	10	25	25	19.73	18.18	0.066
16QAM	836.5	20525	10	50	0	19.65	18.10	0.065
16QAM	844	20600	10	1	0	20.88	19.33	0.086
16QAM	844	20600	10	1	25	21.43	19.88	0.097
16QAM	844	20600	10	1	49	20.47	18.92	0.078
16QAM	844	20600	10	25	0	19.66	18.11	0.065
16QAM	844	20600	10	25	12	19.73	18.18	0.066
16QAM	844	20600	10	25	25	19.68	18.13	0.065
16QAM	844	20600	10	50	0	19.74	18.19	0.066