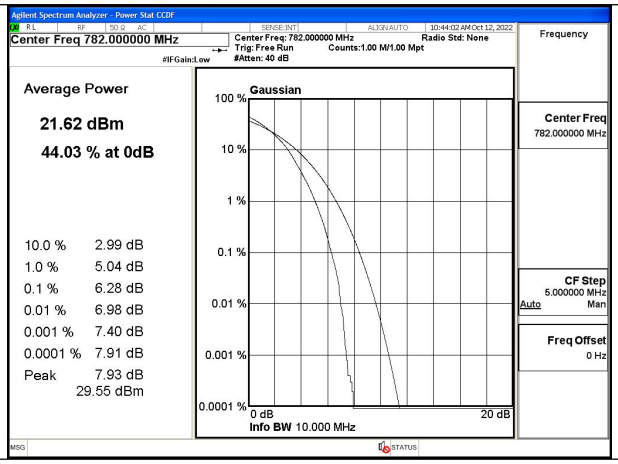

Fig.19

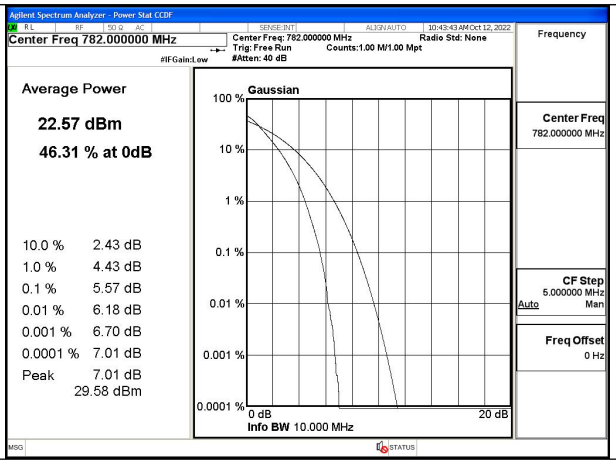

Fig.20

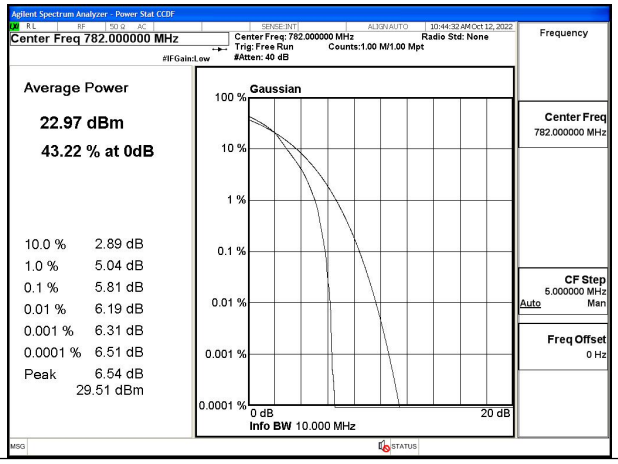

Fig.21

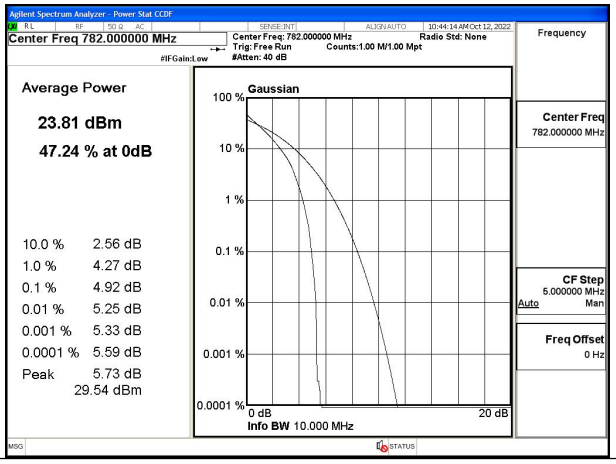

Fig.22

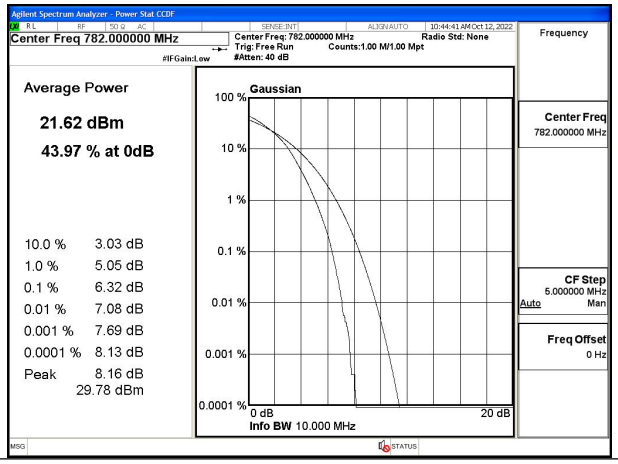

Fig.23

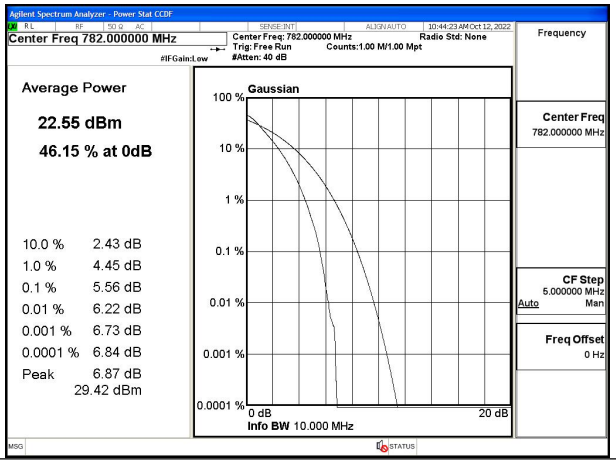

Fig.24

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
13	782	23230	10	1	0	Fig.1
13	782	23230	10	1	0	Fig.2
13	782	23230	10	1	0	Fig.3

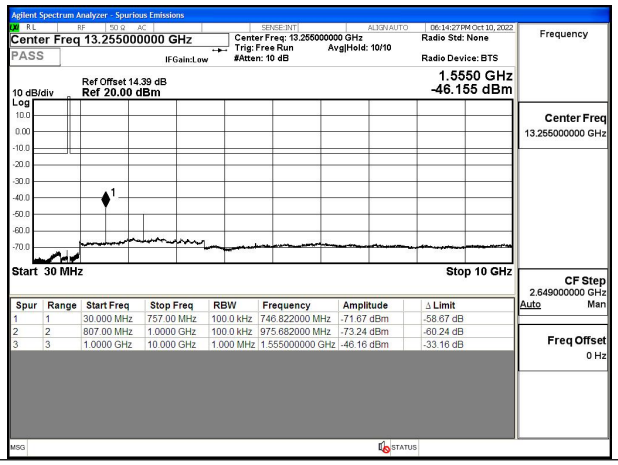

Fig.1

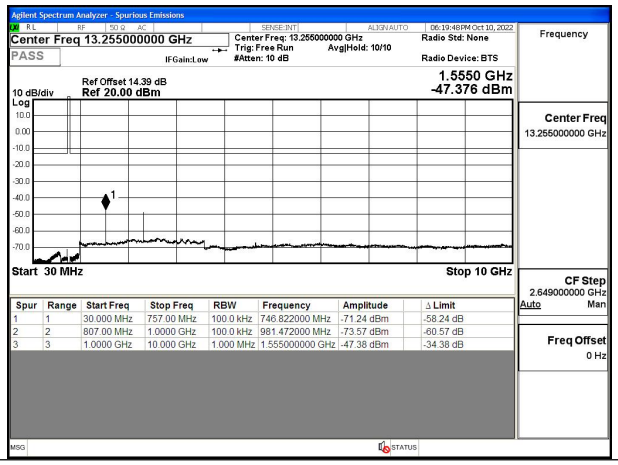

Fig.2

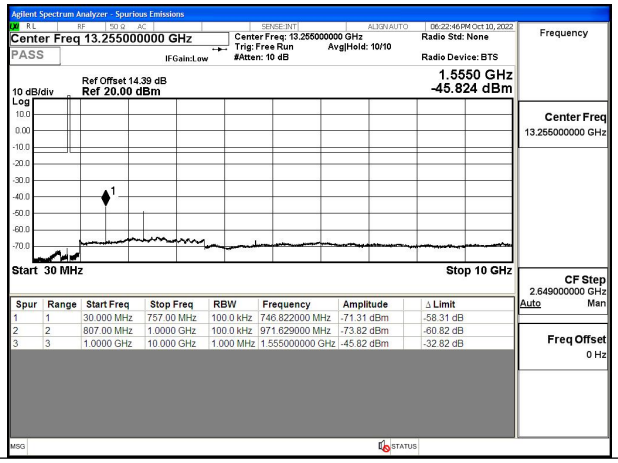

Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
13	QPSK	779.5	23205	5	1	0	Fig.1
13	QPSK	779.5	23205	5	1	0	Fig.2
13	QPSK	779.5	23205	5	25	0	Fig.3
13	QPSK	779.5	23205	5	25	0	Fig.4
13	QPSK	784.5	23255	5	1	24	Fig.5
13	QPSK	784.5	23255	5	1	24	Fig.6
13	QPSK	784.5	23255	5	25	0	Fig.7
13	QPSK	784.5	23255	5	25	0	Fig.8
13	QPSK	782	23230	10	1	0	Fig.9
13	QPSK	782	23230	10	1	0	Fig.10
13	QPSK	782	23230	10	50	0	Fig.11
13	QPSK	782	23230	10	50	0	Fig.12
13	QPSK	782	23230	10	1	49	Fig.13
13	QPSK	782	23230	10	1	49	Fig.14
13	QPSK	782	23230	10	50	0	Fig.15
13	QPSK	782	23230	10	50	0	Fig.16

Test Mode: QPSK

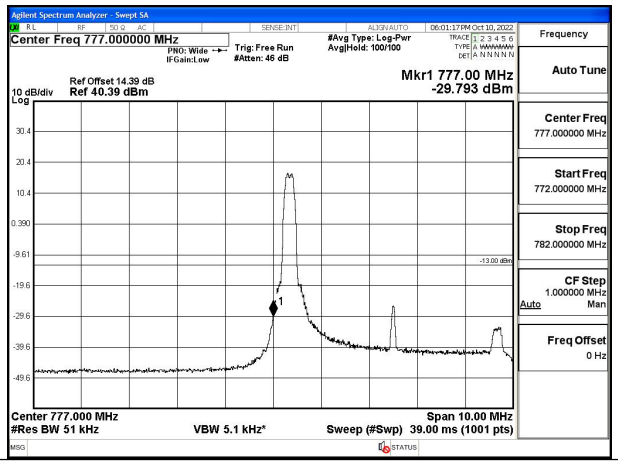

Fig.1

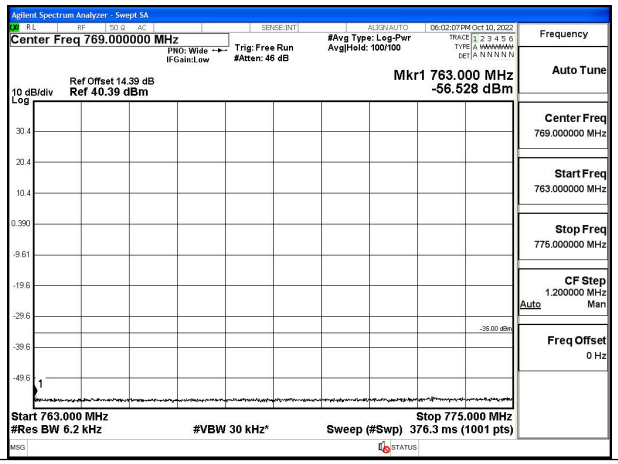

Fig.2

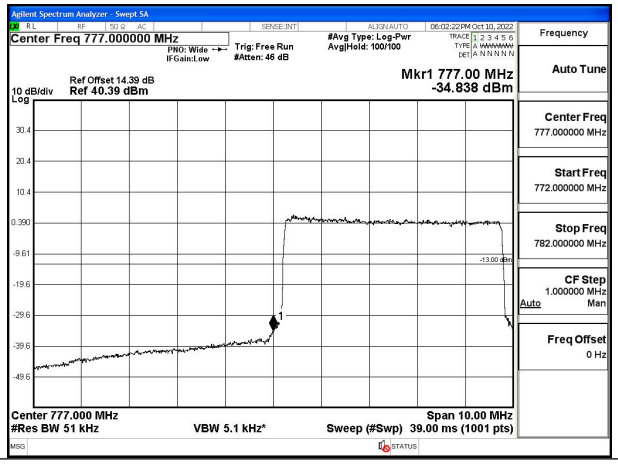

Fig.3

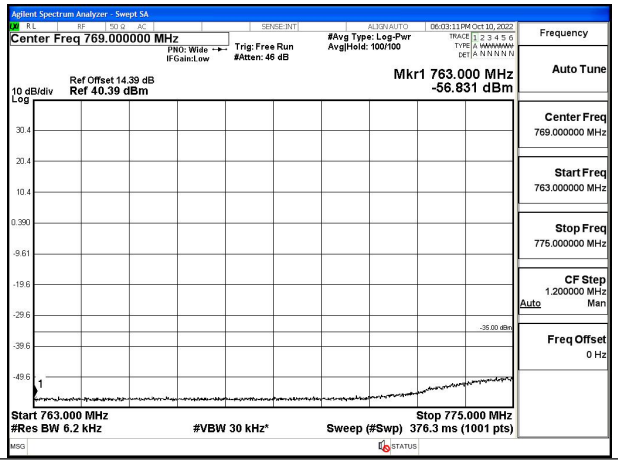

Fig.4

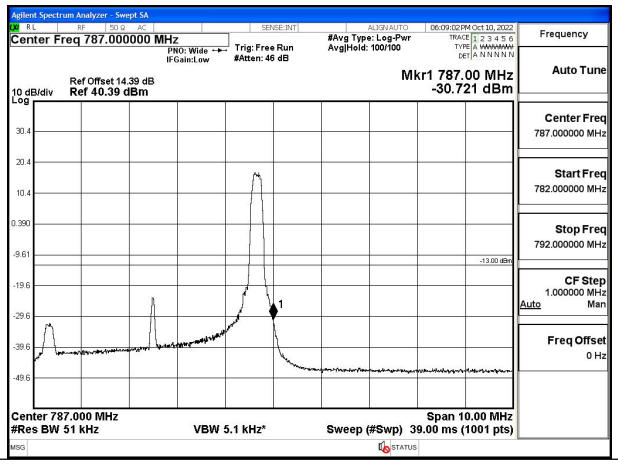

Fig.5

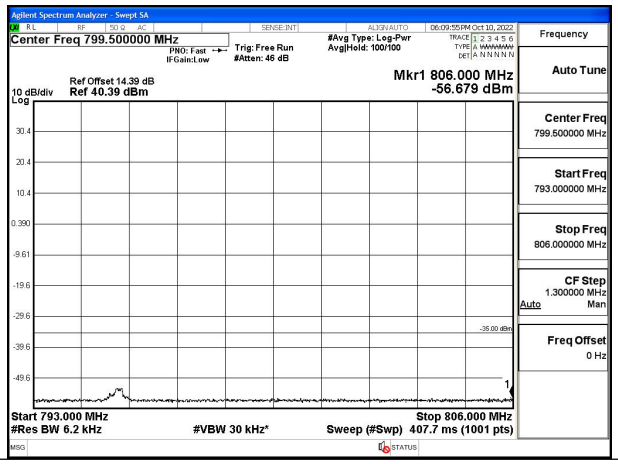

Fig.6

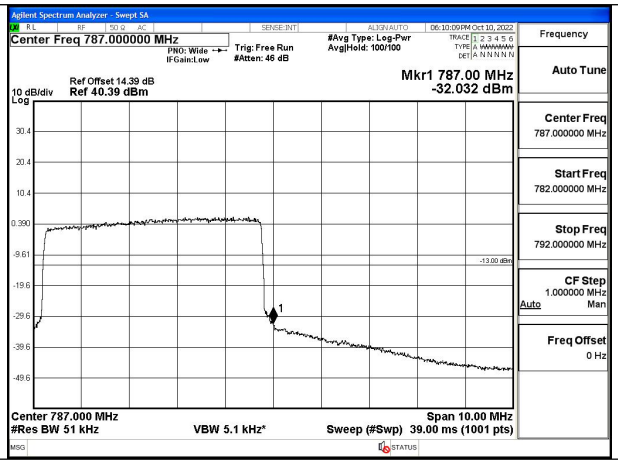

Fig.7

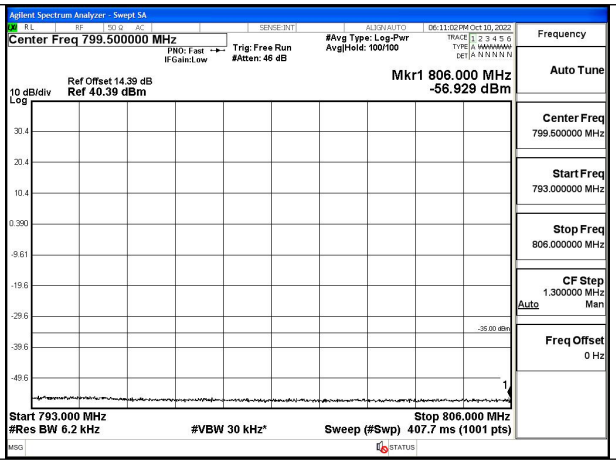

Fig.8

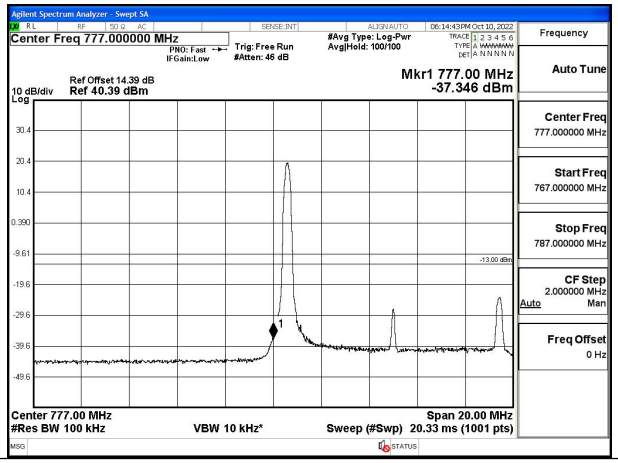

Fig.9

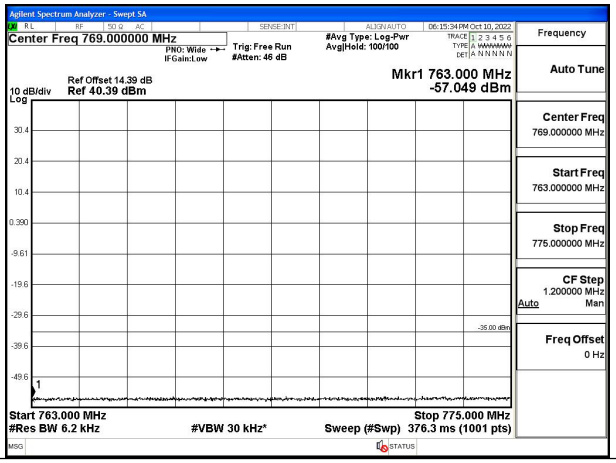

Fig.10

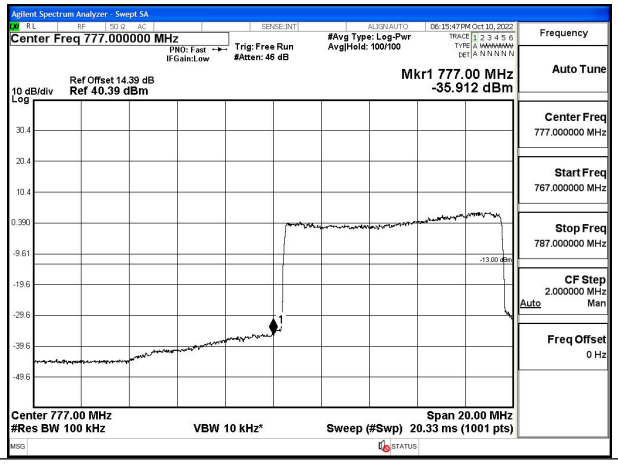

Fig.11

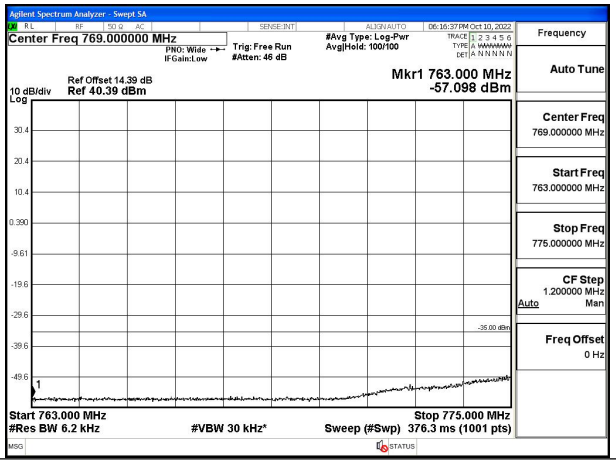

Fig.12

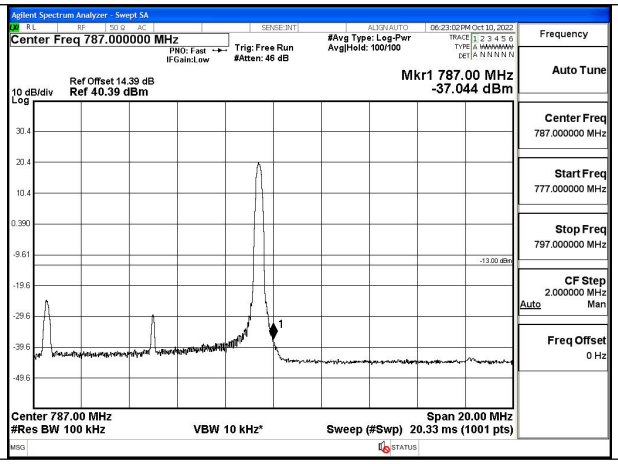

Fig.13

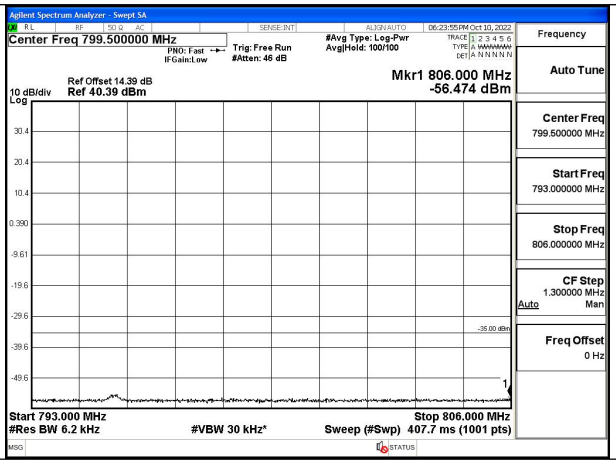

Fig.14

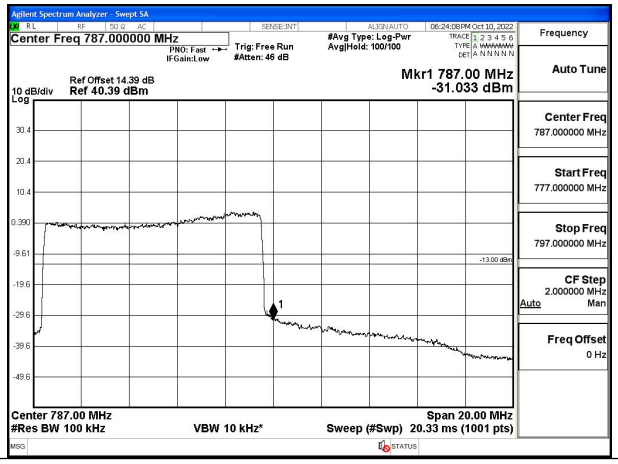

Fig.15

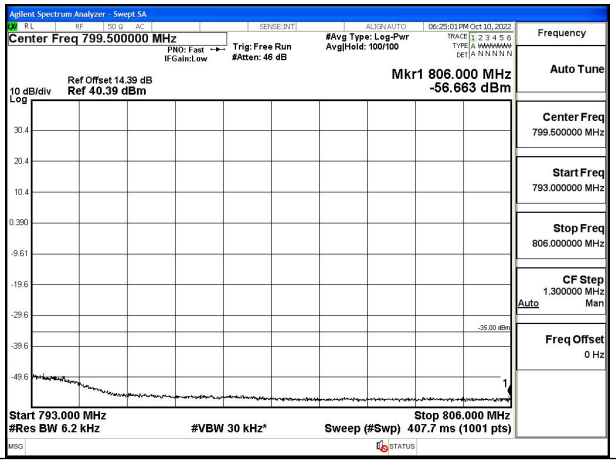

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 13 Low Channel QPSK	
		5M	10M
-20	NV	0.005	-0.001
-10	NV	0.005	0.004
0	NV	0.011	-0.005
+10	NV	0.014	0.008
+20	NV	0.006	0.006
+30	NV	-0.006	0.009
+40	NV	-0.004	0.010
+50	NV	0.003	0.004
+60	NV	0.001	0.007
+20	LV	-0.003	0.000
+20	HV	0.006	0.007

Temperature(°C)	Voltage	Test Result (ppm) Band 13 High Channel QPSK	
		5M	10M
-20	NV	-0.010	-0.002
-10	NV	-0.002	0.005
0	NV	-0.004	-0.011
+10	NV	-0.008	0.007
+20	NV	-0.006	-0.001
+30	NV	-0.009	0.006
+40	NV	-0.006	0.008
+50	NV	0.004	0.005
+60	NV	0.001	0.013
+20	LV	-0.010	0.007
+20	HV	-0.011	-0.002

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	779.5	23205	5	1	0	23.17	17.37	0.055
QPSK	779.5	23205	5	1	12	23.15	17.35	0.054
QPSK	779.5	23205	5	1	24	22.99	17.19	0.052
QPSK	779.5	23205	5	12	0	22.46	16.66	0.046
QPSK	779.5	23205	5	12	7	22.35	16.55	0.045
QPSK	779.5	23205	5	12	13	22.22	16.42	0.044
QPSK	779.5	23205	5	25	0	22.34	16.54	0.045
QPSK	782	23230	5	1	0	23.23	17.43	0.055
QPSK	782	23230	5	1	12	23.01	17.21	0.053
QPSK	782	23230	5	1	24	23.39	17.59	0.057
QPSK	782	23230	5	12	0	22.19	16.39	0.044
QPSK	782	23230	5	12	7	22.33	16.53	0.045
QPSK	782	23230	5	12	13	22.26	16.46	0.044
QPSK	782	23230	5	25	0	22.24	16.44	0.044
QPSK	784.5	23255	5	1	0	23.10	17.30	0.054
QPSK	784.5	23255	5	1	12	23.28	17.48	0.056
QPSK	784.5	23255	5	1	24	23.31	17.51	0.056
QPSK	784.5	23255	5	12	0	22.35	16.55	0.045
QPSK	784.5	23255	5	12	7	22.39	16.59	0.046
QPSK	784.5	23255	5	12	13	22.29	16.49	0.045
QPSK	784.5	23255	5	25	0	22.28	16.48	0.044

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	779.5	23205	5	1	0	22.79	16.99	0.050
16QAM	779.5	23205	5	1	12	22.80	17.00	0.050
16QAM	779.5	23205	5	1	24	22.93	17.13	0.052
16QAM	779.5	23205	5	12	0	21.40	15.60	0.036
16QAM	779.5	23205	5	12	7	21.21	15.41	0.035
16QAM	779.5	23205	5	12	13	21.29	15.49	0.035
16QAM	779.5	23205	5	25	0	21.30	15.50	0.035
16QAM	782	23230	5	1	0	22.80	17.00	0.050
16QAM	782	23230	5	1	12	22.45	16.65	0.046
16QAM	782	23230	5	1	24	22.69	16.89	0.049
16QAM	782	23230	5	12	0	21.40	15.60	0.036
16QAM	782	23230	5	12	7	21.49	15.69	0.037
16QAM	782	23230	5	12	13	21.29	15.49	0.035
16QAM	782	23230	5	25	0	21.27	15.47	0.035
16QAM	784.5	23255	5	1	0	22.59	16.79	0.048
16QAM	784.5	23255	5	1	12	23.42	17.62	0.058
16QAM	784.5	23255	5	1	24	22.80	17.00	0.050
16QAM	784.5	23255	5	12	0	21.55	15.75	0.038
16QAM	784.5	23255	5	12	7	21.21	15.41	0.035
16QAM	784.5	23255	5	12	13	21.37	15.57	0.036
16QAM	784.5	23255	5	25	0	21.28	15.48	0.035

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	782	23230	10	1	0	23.94	18.14	0.065
QPSK	782	23230	10	1	25	23.51	17.71	0.059
QPSK	782	23230	10	1	49	23.88	18.08	0.064
QPSK	782	23230	10	25	0	22.45	16.65	0.046
QPSK	782	23230	10	25	12	22.53	16.73	0.047
QPSK	782	23230	10	25	25	22.31	16.51	0.045
QPSK	782	23230	10	50	0	22.40	16.60	0.046
QPSK	782	23230	10	1	0	23.55	17.75	0.060
QPSK	782	23230	10	1	25	23.18	17.38	0.055
QPSK	782	23230	10	1	49	24.37	18.57	0.072
QPSK	782	23230	10	25	0	22.36	16.56	0.045
QPSK	782	23230	10	25	12	22.37	16.57	0.045
QPSK	782	23230	10	25	25	22.29	16.49	0.045
QPSK	782	23230	10	50	0	22.50	16.70	0.047
QPSK	782	23230	10	1	0	23.50	17.70	0.059
QPSK	782	23230	10	1	25	23.35	17.55	0.057
QPSK	782	23230	10	1	49	24.34	18.54	0.071
QPSK	782	23230	10	25	0	22.41	16.61	0.046
QPSK	782	23230	10	25	12	22.56	16.76	0.047
QPSK	782	23230	10	25	25	22.21	16.41	0.044
QPSK	782	23230	10	50	0	22.39	16.59	0.046

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	782	23230	10	1	0	22.91	17.11	0.051
16QAM	782	23230	10	1	25	22.61	16.81	0.048
16QAM	782	23230	10	1	49	23.16	17.36	0.054
16QAM	782	23230	10	25	0	21.77	15.97	0.040
16QAM	782	23230	10	25	12	21.46	15.66	0.037
16QAM	782	23230	10	25	25	21.51	15.71	0.037
16QAM	782	23230	10	50	0	21.46	15.66	0.037
16QAM	782	23230	10	1	0	23.49	17.69	0.059
16QAM	782	23230	10	1	25	22.87	17.07	0.051
16QAM	782	23230	10	1	49	24.36	18.56	0.072
16QAM	782	23230	10	25	0	21.34	15.54	0.036
16QAM	782	23230	10	25	12	21.61	15.81	0.038
16QAM	782	23230	10	25	25	21.62	15.82	0.038
16QAM	782	23230	10	50	0	21.30	15.50	0.035
16QAM	782	23230	10	1	0	22.66	16.86	0.049
16QAM	782	23230	10	1	25	22.85	17.05	0.051
16QAM	782	23230	10	1	49	24.02	18.22	0.066
16QAM	782	23230	10	25	0	21.38	15.58	0.036
16QAM	782	23230	10	25	12	21.37	15.57	0.036
16QAM	782	23230	10	25	25	21.22	15.42	0.035
16QAM	782	23230	10	50	0	21.34	15.54	0.036