

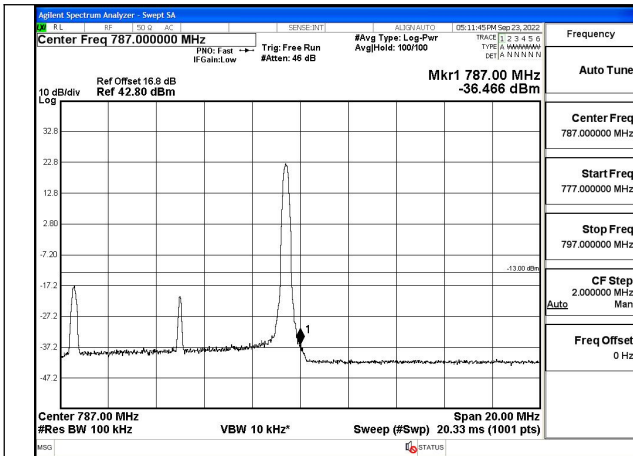


Fig.13

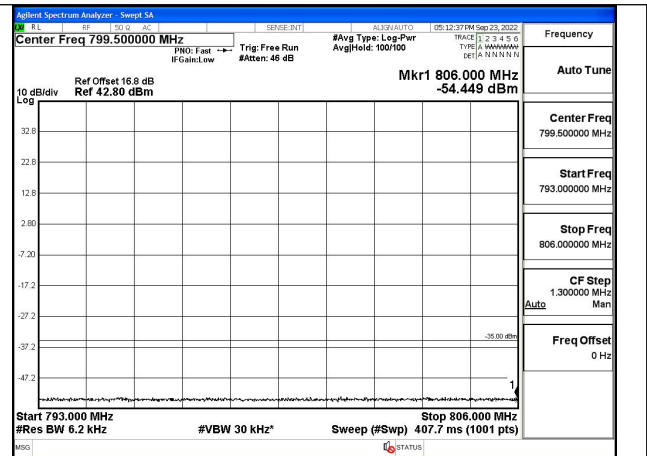


Fig.14

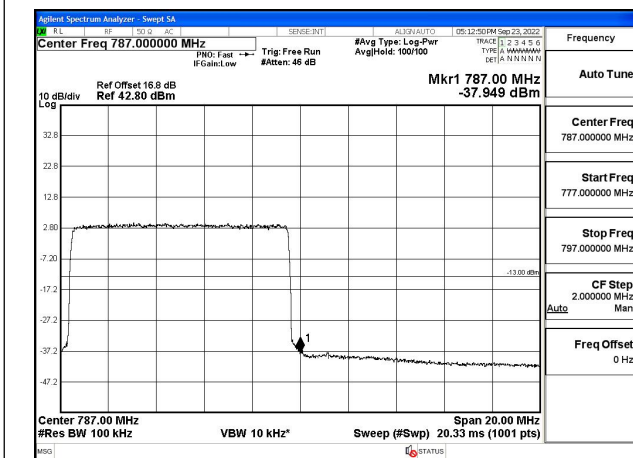


Fig.15

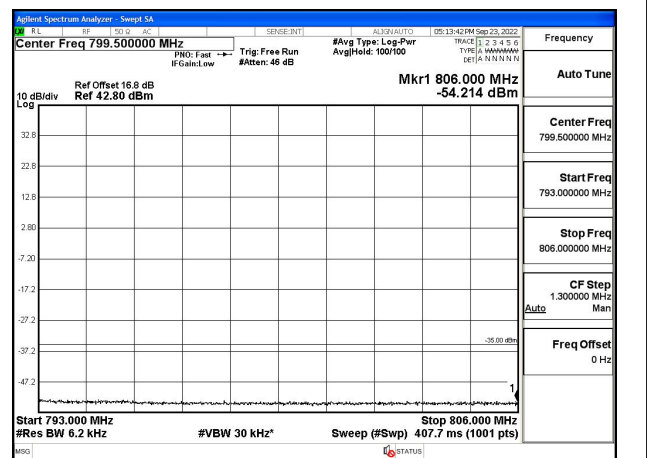


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 13 Low Channel QPSK	
		5M	10M
-10	NV	0.010	-0.010
0	NV	0.021	0.004
+10	NV	-0.003	0.014
+20	NV	-0.006	-0.006
+30	NV	0.001	0.039
+40	NV	0.005	-0.007
+50	NV	0.021	0.008
+55	NV	0.003	0.010
+20	LV	-0.005	-0.033
+20	HV	0.021	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 13 High Channel QPSK	
		5M	10M
-10	NV	-0.009	-0.017
0	NV	0.010	-0.054
+10	NV	-0.004	0.004
+20	NV	0.010	-0.019
+30	NV	-0.046	0.037
+40	NV	-0.012	-0.005
+50	NV	-0.003	0.005
+55	NV	-0.037	-0.001
+20	LV	0.001	-0.008
+20	HV	-0.011	-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	779.5	23205	5	1	0	25.81	18.06	0.064
QPSK	779.5	23205	5	1	12	25.76	18.01	0.063
QPSK	779.5	23205	5	1	24	25.93	18.18	0.066
QPSK	779.5	23205	5	12	0	24.74	16.99	0.050
QPSK	779.5	23205	5	12	7	24.82	17.07	0.051
QPSK	779.5	23205	5	12	13	24.83	17.08	0.051
QPSK	779.5	23205	5	25	0	24.85	17.10	0.051
QPSK	782	23230	5	1	0	26.00	18.25	0.067
QPSK	782	23230	5	1	12	26.16	18.41	0.069
QPSK	782	23230	5	1	24	26.03	18.28	0.067
QPSK	782	23230	5	12	0	24.84	17.09	0.051
QPSK	782	23230	5	12	7	25.01	17.26	0.053
QPSK	782	23230	5	12	13	24.83	17.08	0.051
QPSK	782	23230	5	25	0	25.00	17.25	0.053
QPSK	784.5	23255	5	1	0	26.14	18.39	0.069
QPSK	784.5	23255	5	1	12	25.99	18.24	0.067
QPSK	784.5	23255	5	1	24	26.08	18.33	0.068
QPSK	784.5	23255	5	12	0	24.77	17.02	0.050
QPSK	784.5	23255	5	12	7	24.78	17.03	0.050
QPSK	784.5	23255	5	12	13	24.66	16.91	0.049
QPSK	784.5	23255	5	25	0	24.77	17.02	0.050

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	25.11	17.36	0.054
16QAM	779.5	23205	5	1	12	24.69	16.94	0.049
16QAM	779.5	23205	5	1	24	24.71	16.96	0.050
16QAM	779.5	23205	5	12	0	23.86	16.11	0.041
16QAM	779.5	23205	5	12	7	23.89	16.14	0.041
16QAM	779.5	23205	5	12	13	23.93	16.18	0.041
16QAM	779.5	23205	5	25	0	24.15	16.40	0.044
16QAM	782	23230	5	1	0	24.65	16.90	0.049
16QAM	782	23230	5	1	12	24.72	16.97	0.050
16QAM	782	23230	5	1	24	25.00	17.25	0.053
16QAM	782	23230	5	12	0	23.74	15.99	0.040
16QAM	782	23230	5	12	7	23.79	16.04	0.040
16QAM	782	23230	5	12	13	23.82	16.07	0.040
16QAM	782	23230	5	25	0	24.02	16.27	0.042
16QAM	784.5	23255	5	1	0	24.80	17.05	0.051
16QAM	784.5	23255	5	1	12	24.75	17.00	0.050
16QAM	784.5	23255	5	1	24	24.57	16.82	0.048
16QAM	784.5	23255	5	12	0	23.94	16.19	0.042
16QAM	784.5	23255	5	12	7	23.80	16.05	0.040
16QAM	784.5	23255	5	12	13	23.90	16.15	0.041
16QAM	784.5	23255	5	25	0	23.95	16.20	0.042
64QAM	779.5	23205	5	1	0	24.49	16.74	0.047
64QAM	779.5	23205	5	1	12	24.53	16.78	0.048
64QAM	779.5	23205	5	1	24	24.25	16.50	0.045
64QAM	779.5	23205	5	12	0	22.69	14.94	0.031
64QAM	779.5	23205	5	12	7	22.35	14.60	0.029
64QAM	779.5	23205	5	12	13	22.50	14.75	0.030
64QAM	779.5	23205	5	25	0	22.37	14.62	0.029
64QAM	782	23230	5	1	0	24.46	16.71	0.047
64QAM	782	23230	5	1	12	23.99	16.24	0.042
64QAM	782	23230	5	1	24	24.02	16.27	0.042
64QAM	782	23230	5	12	0	22.36	14.61	0.029
64QAM	782	23230	5	12	7	22.36	14.61	0.029
64QAM	782	23230	5	12	13	22.54	14.79	0.030
64QAM	782	23230	5	25	0	22.22	14.47	0.028
64QAM	784.5	23255	5	1	0	24.24	16.49	0.045
64QAM	784.5	23255	5	1	12	24.15	16.40	0.044
64QAM	784.5	23255	5	1	24	24.16	16.41	0.044
64QAM	784.5	23255	5	12	0	22.34	14.59	0.029
64QAM	784.5	23255	5	12	7	22.62	14.87	0.031
64QAM	784.5	23255	5	12	13	22.35	14.60	0.029
64QAM	784.5	23255	5	25	0	22.35	14.60	0.029

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	25.75	18.00	0.063
QPSK	782	23230	10	1	25	25.96	18.21	0.066
QPSK	782	23230	10	1	49	26.02	18.27	0.067
QPSK	782	23230	10	25	0	24.72	16.97	0.050
QPSK	782	23230	10	25	12	24.92	17.17	0.052
QPSK	782	23230	10	25	25	24.77	17.02	0.050
QPSK	782	23230	10	50	0	24.83	17.08	0.051
QPSK	782	23230	10	1	0	26.19	18.44	0.070
QPSK	782	23230	10	1	25	26.24	18.49	0.071
QPSK	782	23230	10	1	49	26.05	18.30	0.068
QPSK	782	23230	10	25	0	24.69	16.94	0.049
QPSK	782	23230	10	25	12	24.88	17.13	0.052
QPSK	782	23230	10	25	25	24.74	16.99	0.050
QPSK	782	23230	10	50	0	24.79	17.04	0.051
QPSK	782	23230	10	1	0	25.83	18.08	0.064
QPSK	782	23230	10	1	25	25.84	18.09	0.064
QPSK	782	23230	10	1	49	25.91	18.16	0.065
QPSK	782	23230	10	25	0	24.72	16.97	0.050
QPSK	782	23230	10	25	12	24.90	17.15	0.052
QPSK	782	23230	10	25	25	24.76	17.01	0.050
QPSK	782	23230	10	50	0	24.81	17.06	0.051

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	25.09	17.34	0.054
16QAM	782	23230	10	1	25	25.22	17.47	0.056
16QAM	782	23230	10	1	49	25.00	17.25	0.053
16QAM	782	23230	10	25	0	23.84	16.09	0.041
16QAM	782	23230	10	25	12	23.96	16.21	0.042
16QAM	782	23230	10	25	25	23.78	16.03	0.040
16QAM	782	23230	10	50	0	23.85	16.10	0.041
16QAM	782	23230	10	1	0	25.02	17.27	0.053
16QAM	782	23230	10	1	25	25.41	17.66	0.058
16QAM	782	23230	10	1	49	25.45	17.70	0.059
16QAM	782	23230	10	25	0	23.77	16.02	0.040
16QAM	782	23230	10	25	12	23.85	16.10	0.041
16QAM	782	23230	10	25	25	23.79	16.04	0.040
16QAM	782	23230	10	50	0	23.83	16.08	0.041
16QAM	782	23230	10	1	0	25.01	17.26	0.053
16QAM	782	23230	10	1	25	25.32	17.57	0.057
16QAM	782	23230	10	1	49	24.37	16.62	0.046
16QAM	782	23230	10	25	0	24.01	16.26	0.042
16QAM	782	23230	10	25	12	24.16	16.41	0.044
16QAM	782	23230	10	25	25	23.90	16.15	0.041
16QAM	782	23230	10	50	0	23.89	16.14	0.041
64QAM	782	23230	10	1	0	24.20	16.45	0.044
64QAM	782	23230	10	1	25	24.42	16.67	0.046
64QAM	782	23230	10	1	49	23.62	15.87	0.039
64QAM	782	23230	10	25	0	22.27	14.52	0.028
64QAM	782	23230	10	25	12	22.29	14.54	0.028
64QAM	782	23230	10	25	25	22.21	14.46	0.028
64QAM	782	23230	10	50	0	22.39	14.64	0.029
64QAM	782	23230	10	1	0	24.38	16.63	0.046
64QAM	782	23230	10	1	25	24.11	16.36	0.043
64QAM	782	23230	10	1	49	23.89	16.14	0.041
64QAM	782	23230	10	25	0	22.14	14.39	0.027
64QAM	782	23230	10	25	12	22.22	14.47	0.028
64QAM	782	23230	10	25	25	22.26	14.51	0.028
64QAM	782	23230	10	50	0	22.29	14.54	0.028
64QAM	782	23230	10	1	0	24.26	16.51	0.045
64QAM	782	23230	10	1	25	24.12	16.37	0.043
64QAM	782	23230	10	1	49	24.12	16.37	0.043
64QAM	782	23230	10	25	0	22.16	14.41	0.028
64QAM	782	23230	10	25	12	22.30	14.55	0.029
64QAM	782	23230	10	25	25	22.33	14.58	0.029
64QAM	782	23230	10	50	0	22.40	14.65	0.029