

Fig.7

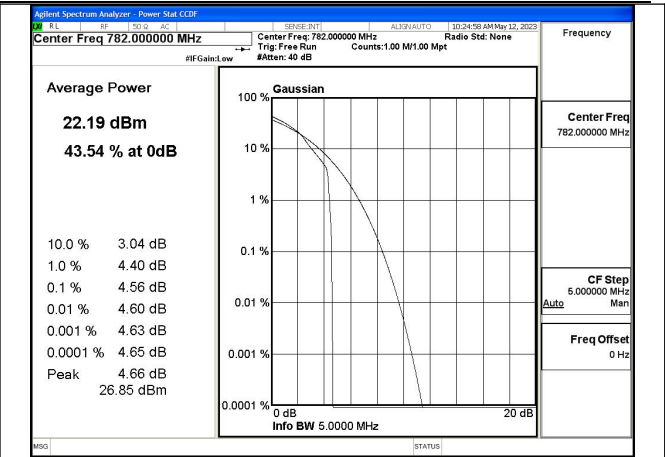


Fig.8

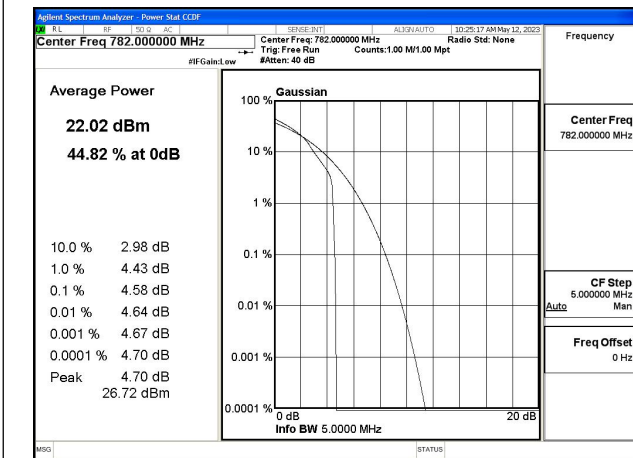


Fig.9

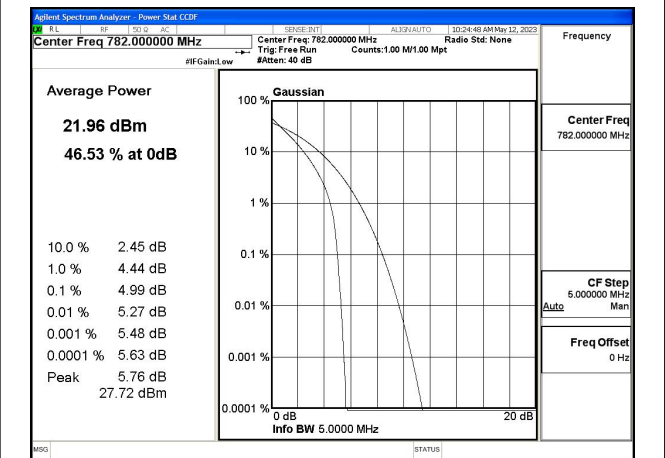


Fig.10

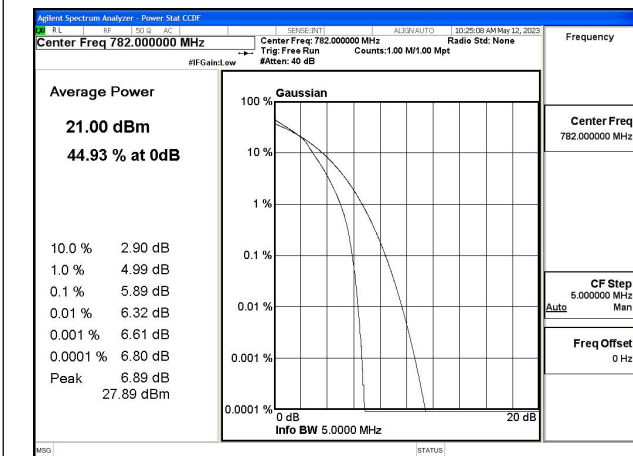


Fig.11

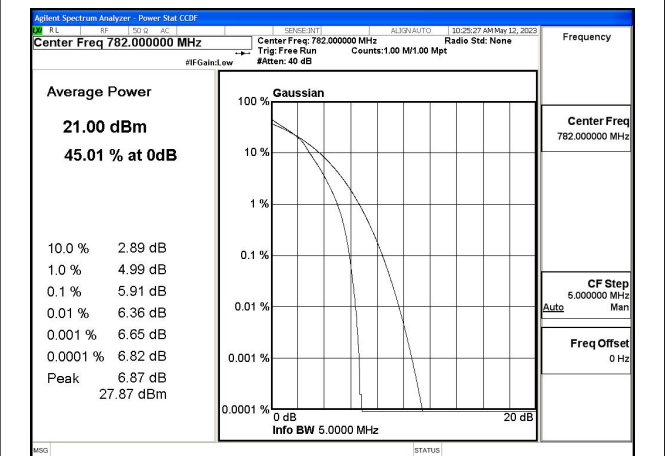


Fig.12

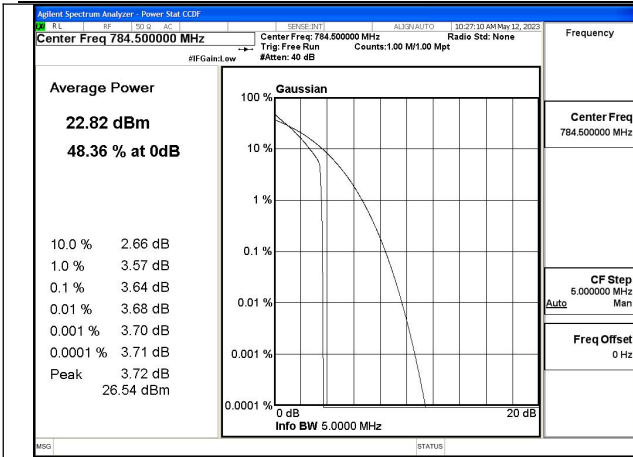


Fig.13

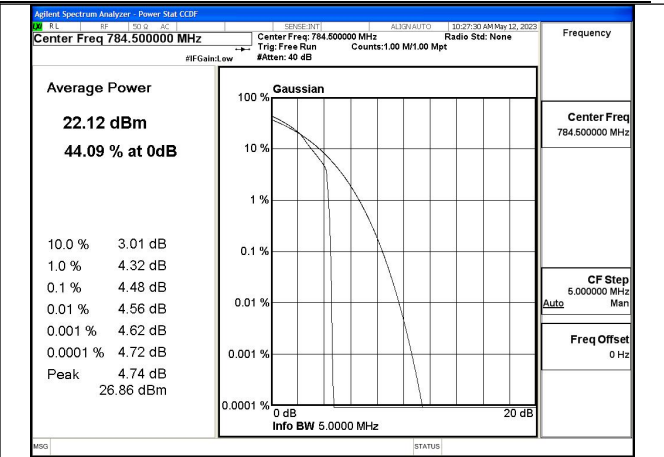


Fig.14

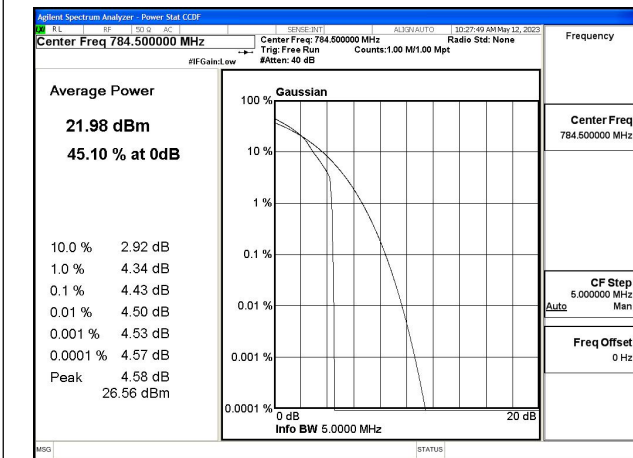


Fig.15

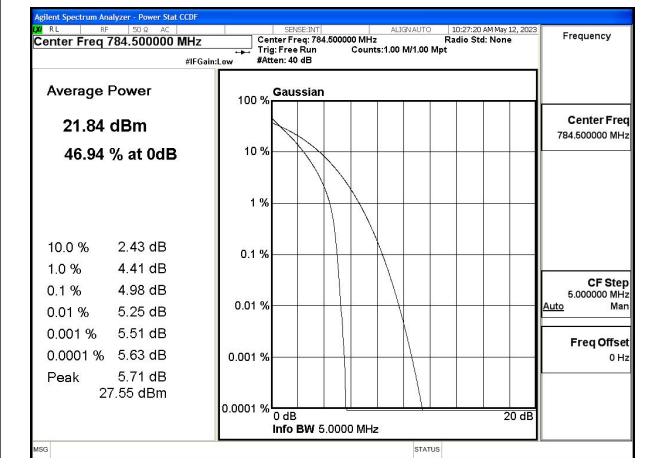


Fig.16

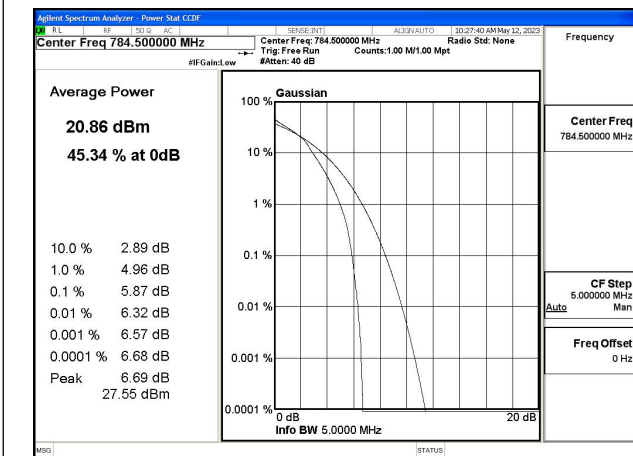


Fig.17

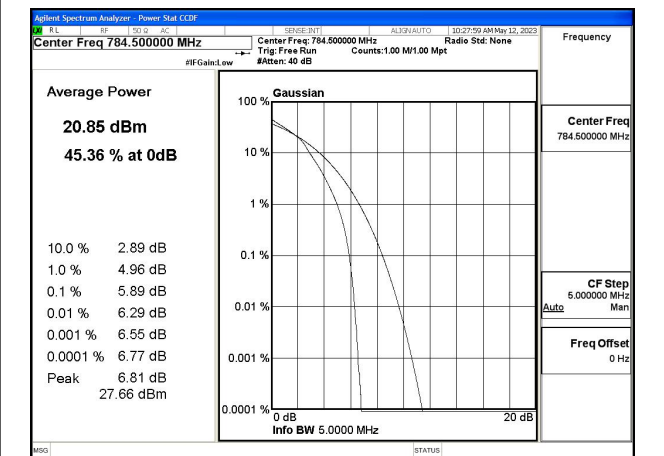


Fig.18

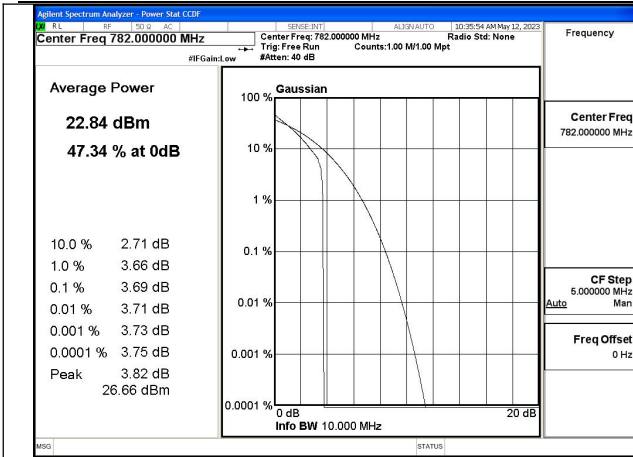


Fig.19

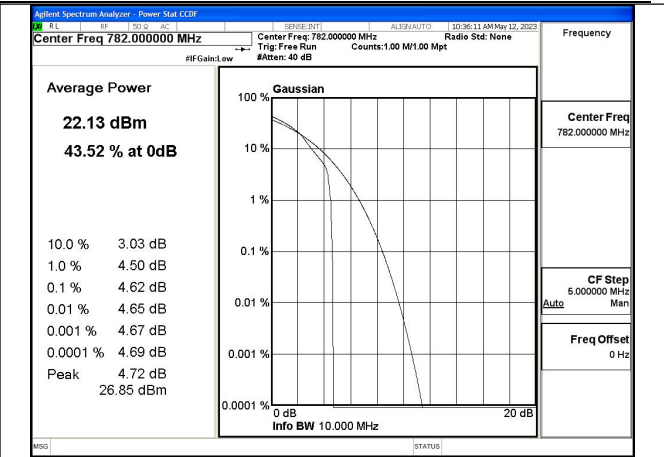


Fig.20

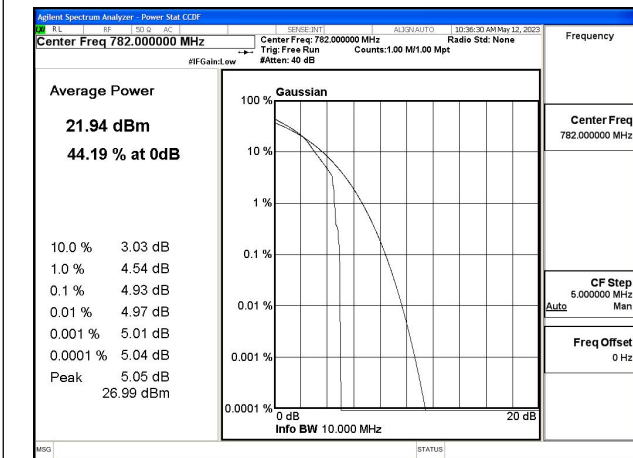


Fig.21

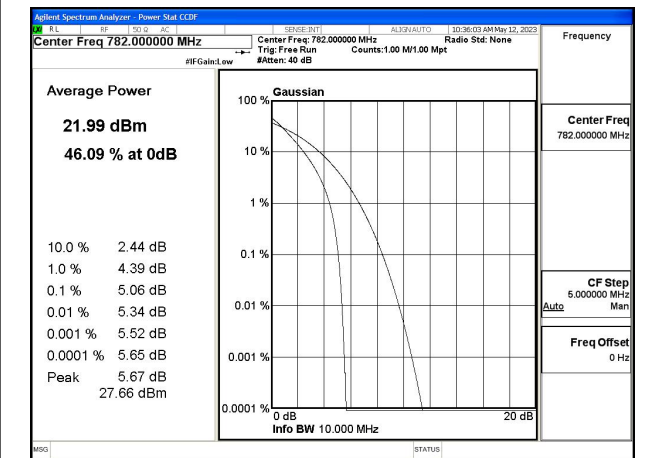


Fig.22

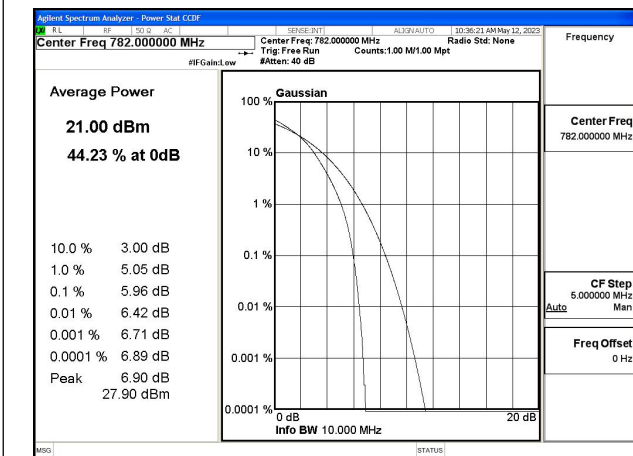


Fig.23

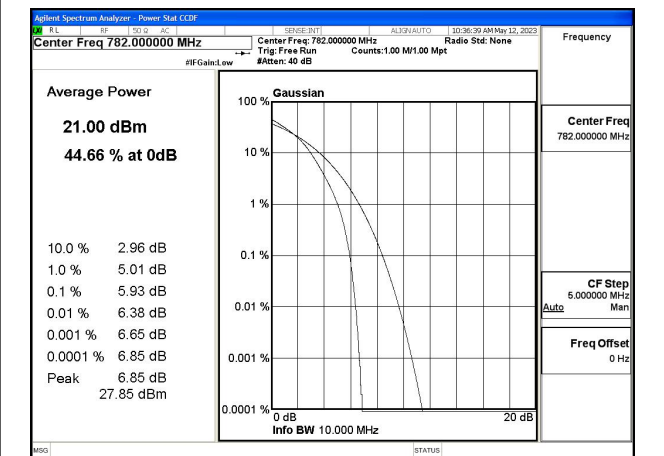


Fig.24

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

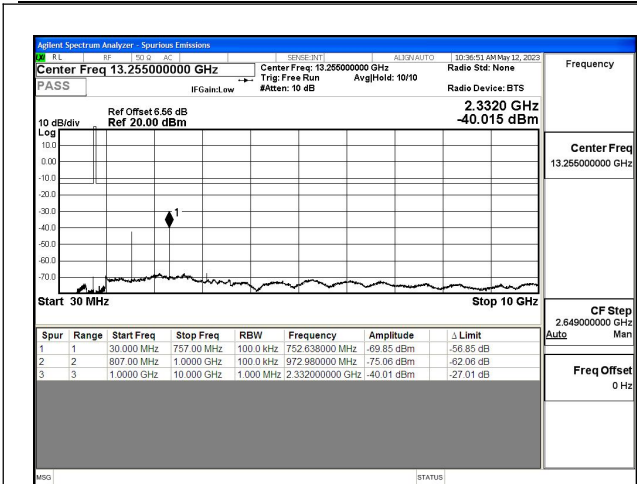


Fig.1

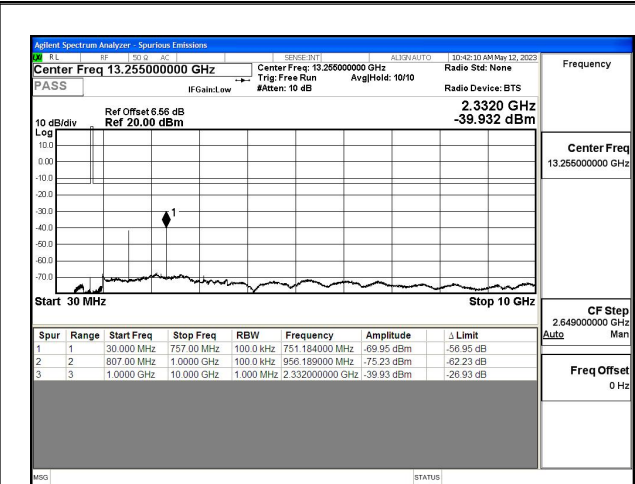


Fig.2

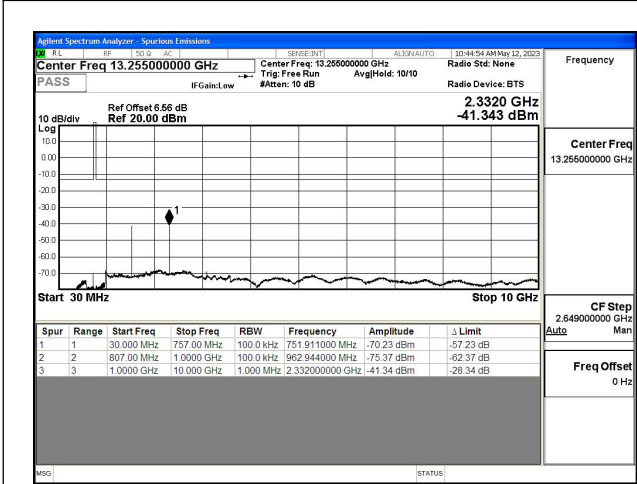


Fig.3

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



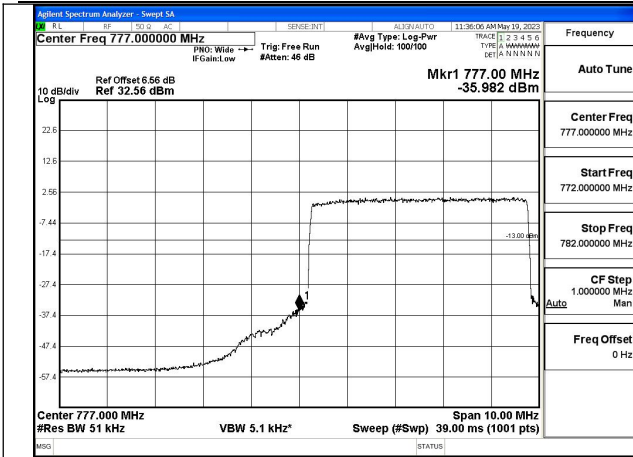


Fig.3

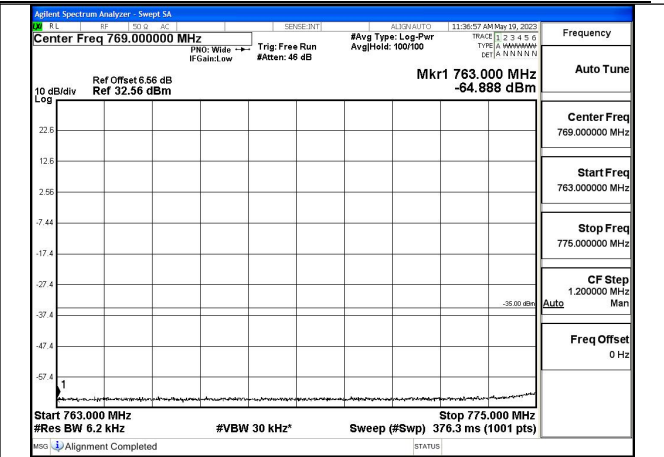


Fig.4

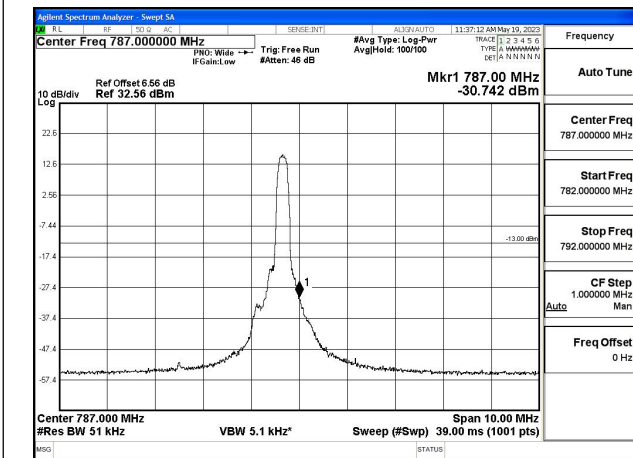


Fig.5

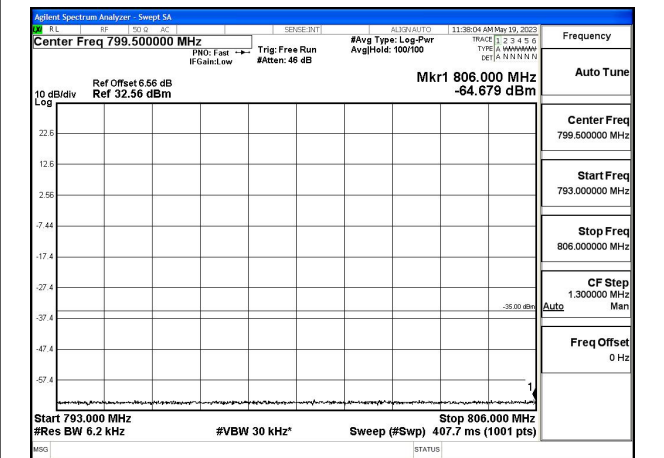


Fig.6

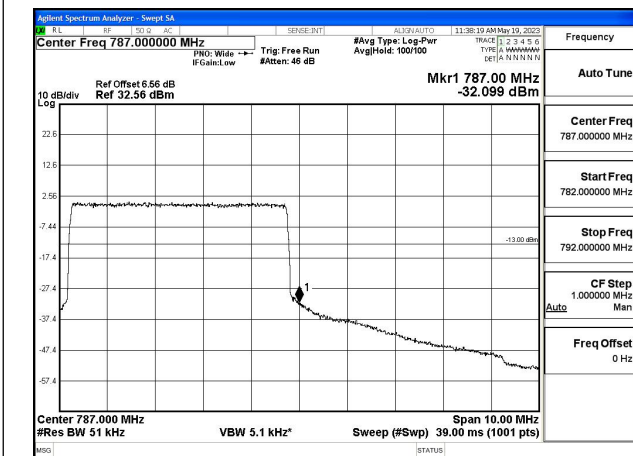


Fig.7

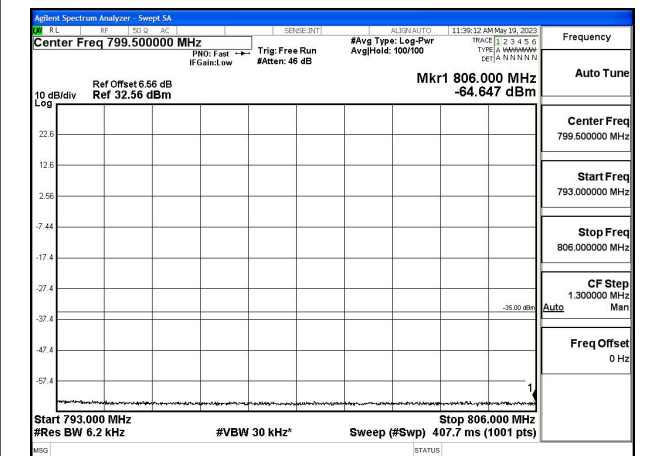


Fig.8

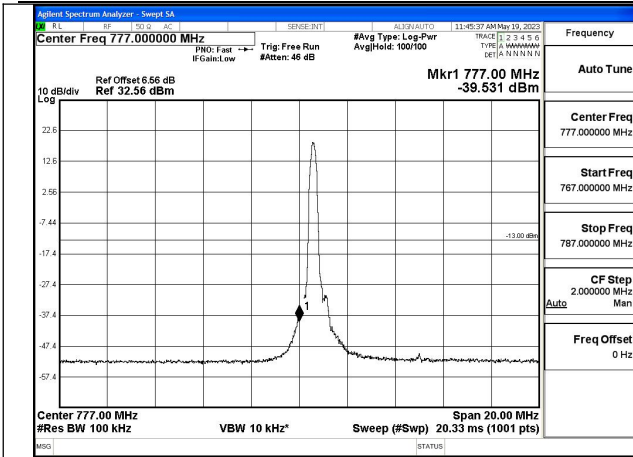


Fig.9

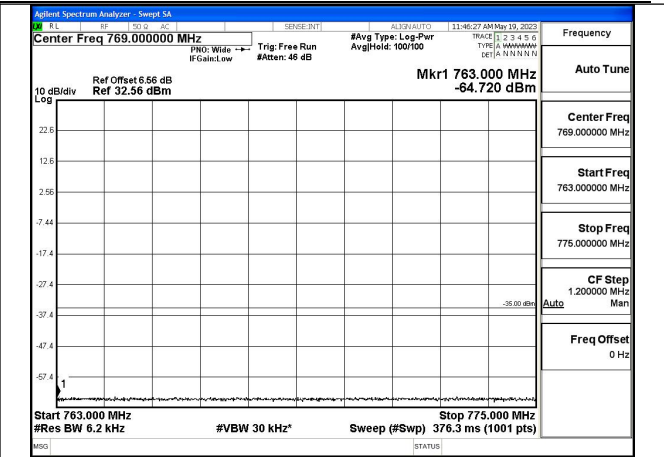


Fig.10

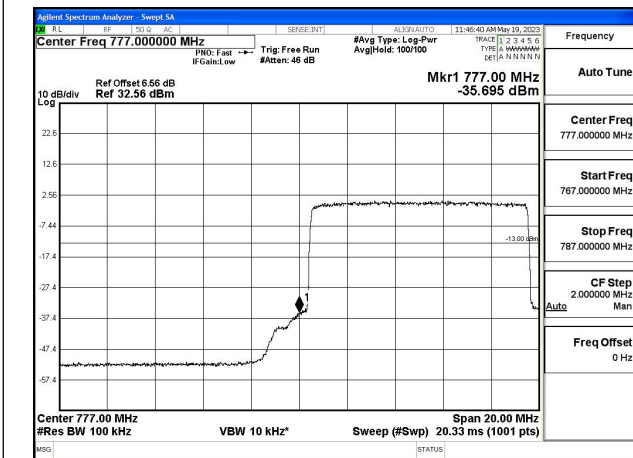


Fig.11

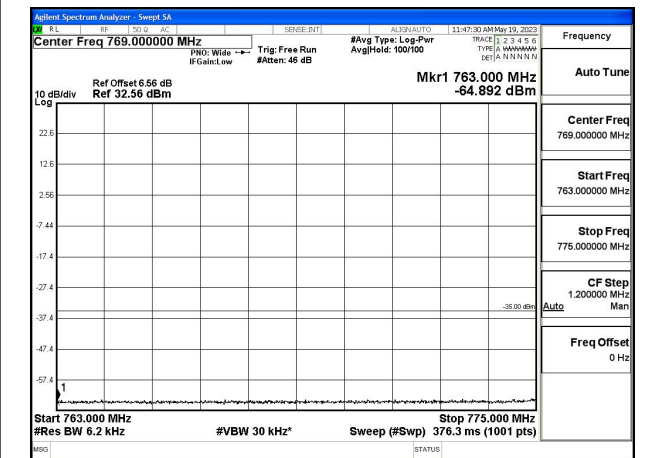


Fig.12

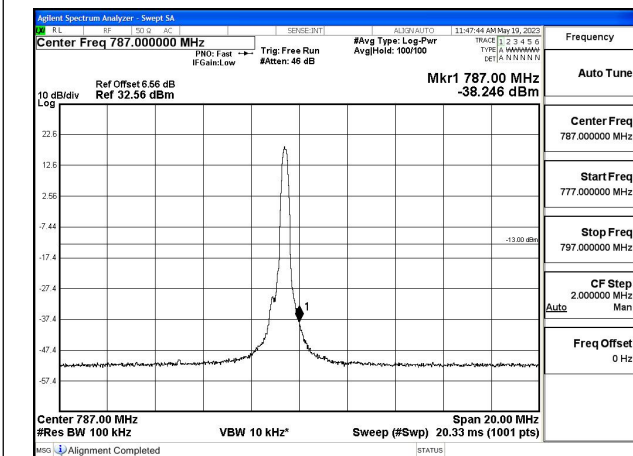


Fig.13

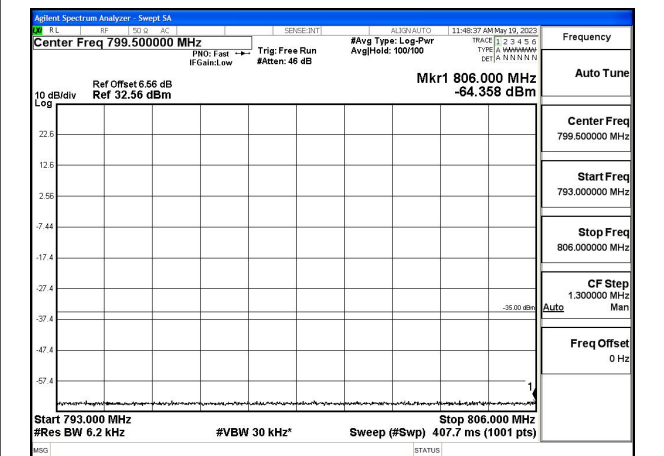


Fig.14

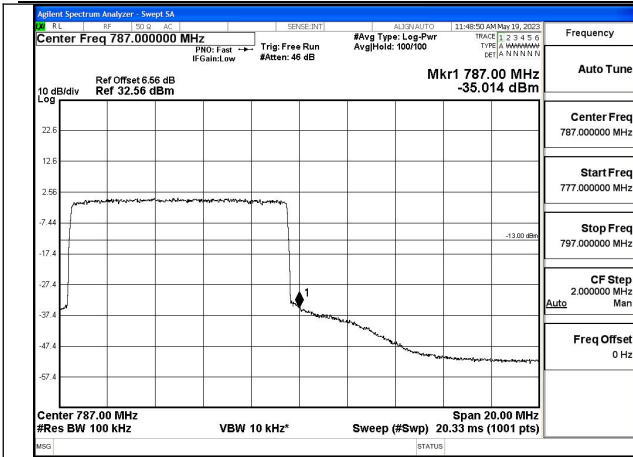


Fig.15

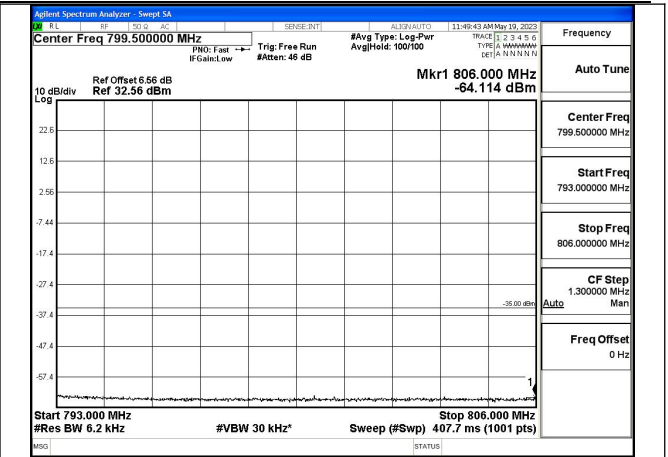


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 13 Low Channel QPSK	
		5M	10M
-10	NV	0.008	-0.005
0	NV	0.001	0.004
+10	NV	0.003	0.003
+20	NV	0.009	0.006
+30	NV	0.004	-0.004
+40	NV	0.007	0.004
+50	NV	0.003	0.006
+55	NV	0.005	0.005
+20	LV	-0.004	0.003
+20	HV	0.001	0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 13 High Channel QPSK	
		5M	10M
-10	NV	0.005	0.004
0	NV	0.006	0.006
+10	NV	0.007	-0.004
+20	NV	-0.006	0.007
+30	NV	0.006	0.006
+40	NV	0.007	0.004
+50	NV	0.015	-0.006
+55	NV	0.008	0.005
+20	LV	0.009	0.004
+20	HV	0.005	-0.006

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	23.11	12.36	0.017
QPSK	779.5	23205	5	1	12	23.07	12.32	0.017
QPSK	779.5	23205	5	1	24	22.88	12.13	0.016
QPSK	779.5	23205	5	12	0	21.76	11.01	0.013
QPSK	779.5	23205	5	12	7	21.98	11.23	0.013
QPSK	779.5	23205	5	12	13	21.89	11.14	0.013
QPSK	779.5	23205	5	25	0	21.93	11.18	0.013
QPSK	782	23230	5	1	0	22.94	12.19	0.017
QPSK	782	23230	5	1	12	22.96	12.21	0.017
QPSK	782	23230	5	1	24	22.89	12.14	0.016
QPSK	782	23230	5	12	0	21.89	11.14	0.013
QPSK	782	23230	5	12	7	22.06	11.31	0.014
QPSK	782	23230	5	12	13	21.92	11.17	0.013
QPSK	782	23230	5	25	0	21.97	11.22	0.013
QPSK	784.5	23255	5	1	0	22.97	12.22	0.017
QPSK	784.5	23255	5	1	12	23.02	12.27	0.017
QPSK	784.5	23255	5	1	24	22.84	12.09	0.016
QPSK	784.5	23255	5	12	0	21.85	11.10	0.013
QPSK	784.5	23255	5	12	7	21.79	11.04	0.013
QPSK	784.5	23255	5	12	13	21.84	11.09	0.013
QPSK	784.5	23255	5	25	0	21.74	10.99	0.013

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	21.93	11.18	0.013
16QAM	779.5	23205	5	1	12	22.85	12.10	0.016
16QAM	779.5	23205	5	1	24	22.31	11.56	0.014
16QAM	779.5	23205	5	12	0	20.83	10.08	0.010
16QAM	779.5	23205	5	12	7	20.91	10.16	0.010
16QAM	779.5	23205	5	12	13	21.06	10.31	0.011
16QAM	779.5	23205	5	25	0	20.97	10.22	0.011
16QAM	782	23230	5	1	0	22.33	11.58	0.014
16QAM	782	23230	5	1	12	22.49	11.74	0.015
16QAM	782	23230	5	1	24	21.94	11.19	0.013
16QAM	782	23230	5	12	0	20.87	10.12	0.010
16QAM	782	23230	5	12	7	21.00	10.25	0.011
16QAM	782	23230	5	12	13	20.94	10.19	0.010
16QAM	782	23230	5	25	0	20.95	10.20	0.010
16QAM	784.5	23255	5	1	0	21.81	11.06	0.013
16QAM	784.5	23255	5	1	12	22.18	11.43	0.014
16QAM	784.5	23255	5	1	24	22.12	11.37	0.014
16QAM	784.5	23255	5	12	0	20.86	10.11	0.010
16QAM	784.5	23255	5	12	7	20.90	10.15	0.010
16QAM	784.5	23255	5	12	13	20.91	10.16	0.010
16QAM	784.5	23255	5	25	0	20.83	10.08	0.010
64QAM	779.5	23205	5	1	0	22.21	11.46	0.014
64QAM	779.5	23205	5	1	12	21.92	11.17	0.013
64QAM	779.5	23205	5	1	24	22.29	11.54	0.014
64QAM	779.5	23205	5	12	0	20.99	10.24	0.011
64QAM	779.5	23205	5	12	7	21.08	10.33	0.011
64QAM	779.5	23205	5	12	13	21.06	10.31	0.011
64QAM	779.5	23205	5	25	0	21.04	10.29	0.011
64QAM	782	23230	5	1	0	21.82	11.07	0.013
64QAM	782	23230	5	1	12	21.89	11.14	0.013
64QAM	782	23230	5	1	24	21.84	11.09	0.013
64QAM	782	23230	5	12	0	20.74	9.99	0.010
64QAM	782	23230	5	12	7	20.97	10.22	0.011
64QAM	782	23230	5	12	13	21.03	10.28	0.011
64QAM	782	23230	5	25	0	20.89	10.14	0.010
64QAM	784.5	23255	5	1	0	22.40	11.65	0.015
64QAM	784.5	23255	5	1	12	22.08	11.33	0.014
64QAM	784.5	23255	5	1	24	22.21	11.46	0.014
64QAM	784.5	23255	5	12	0	20.82	10.07	0.010
64QAM	784.5	23255	5	12	7	20.87	10.12	0.010
64QAM	784.5	23255	5	12	13	20.84	10.09	0.010
64QAM	784.5	23255	5	25	0	20.81	10.06	0.010

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	23.03	12.28	0.017
QPSK	782	23230	10	1	25	23.01	12.26	0.017
QPSK	782	23230	10	1	49	22.93	12.18	0.017
QPSK	782	23230	10	25	0	21.90	11.15	0.013
QPSK	782	23230	10	25	12	21.92	11.17	0.013
QPSK	782	23230	10	25	25	21.86	11.11	0.013
QPSK	782	23230	10	50	0	21.98	11.23	0.013
QPSK	782	23230	10	1	0	23.04	12.29	0.017
QPSK	782	23230	10	1	25	22.91	12.16	0.016
QPSK	782	23230	10	1	49	22.69	11.94	0.016
QPSK	782	23230	10	25	0	21.88	11.13	0.013
QPSK	782	23230	10	25	12	21.98	11.23	0.013
QPSK	782	23230	10	25	25	21.86	11.11	0.013
QPSK	782	23230	10	50	0	21.90	11.15	0.013
QPSK	782	23230	10	1	0	23.05	12.30	0.017
QPSK	782	23230	10	1	25	22.89	12.14	0.016
QPSK	782	23230	10	1	49	22.88	12.13	0.016
QPSK	782	23230	10	25	0	21.87	11.12	0.013
QPSK	782	23230	10	25	12	21.99	11.24	0.013
QPSK	782	23230	10	25	25	21.87	11.12	0.013
QPSK	782	23230	10	50	0	22.05	11.30	0.013

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	22.43	11.68	0.015
16QAM	782	23230	10	1	25	22.01	11.26	0.013
16QAM	782	23230	10	1	49	21.80	11.05	0.013
16QAM	782	23230	10	25	0	20.93	10.18	0.010
16QAM	782	23230	10	25	12	20.99	10.24	0.011
16QAM	782	23230	10	25	25	20.96	10.21	0.010
16QAM	782	23230	10	50	0	20.90	10.15	0.010
16QAM	782	23230	10	1	0	22.46	11.71	0.015
16QAM	782	23230	10	1	25	22.16	11.41	0.014
16QAM	782	23230	10	1	49	22.24	11.49	0.014
16QAM	782	23230	10	25	0	20.91	10.16	0.010
16QAM	782	23230	10	25	12	21.03	10.28	0.011
16QAM	782	23230	10	25	25	20.94	10.19	0.010
16QAM	782	23230	10	50	0	20.96	10.21	0.010
16QAM	782	23230	10	1	0	22.76	12.01	0.016
16QAM	782	23230	10	1	25	21.77	11.02	0.013
16QAM	782	23230	10	1	49	22.01	11.26	0.013
16QAM	782	23230	10	25	0	21.03	10.28	0.011
16QAM	782	23230	10	25	12	20.94	10.19	0.010
16QAM	782	23230	10	25	25	20.81	10.06	0.010
16QAM	782	23230	10	50	0	20.95	10.20	0.010
64QAM	782	23230	10	1	0	22.29	11.54	0.014
64QAM	782	23230	10	1	25	21.82	11.07	0.013
64QAM	782	23230	10	1	49	22.19	11.44	0.014
64QAM	782	23230	10	25	0	20.99	10.24	0.011
64QAM	782	23230	10	25	12	20.96	10.21	0.010
64QAM	782	23230	10	25	25	20.94	10.19	0.010
64QAM	782	23230	10	50	0	20.93	10.18	0.010
64QAM	782	23230	10	1	0	22.62	11.87	0.015
64QAM	782	23230	10	1	25	21.96	11.21	0.013
64QAM	782	23230	10	1	49	21.70	10.95	0.012
64QAM	782	23230	10	25	0	20.89	10.14	0.010
64QAM	782	23230	10	25	12	20.87	10.12	0.010
64QAM	782	23230	10	25	25	20.82	10.07	0.010
64QAM	782	23230	10	50	0	20.76	10.01	0.010
64QAM	782	23230	10	1	0	21.81	11.06	0.013
64QAM	782	23230	10	1	25	21.99	11.24	0.013
64QAM	782	23230	10	1	49	21.89	11.14	0.013
64QAM	782	23230	10	25	0	20.95	10.20	0.010
64QAM	782	23230	10	25	12	21.04	10.29	0.011
64QAM	782	23230	10	25	25	20.95	10.20	0.010
64QAM	782	23230	10	50	0	21.02	10.27	0.011