

Fig.13

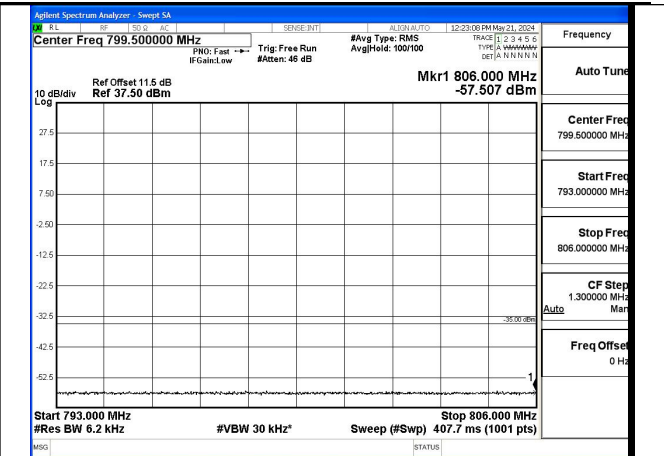


Fig.14

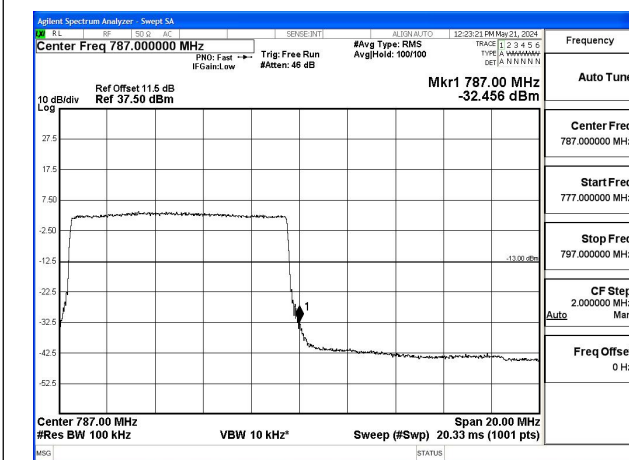


Fig.15

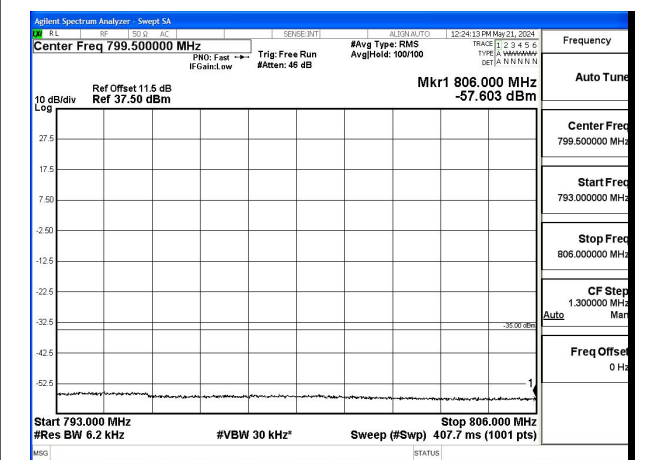


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 13 Low Channel QPSK	
		5M	10M
-30	NV	0.009	-0.008
-20	NV	0.007	-0.004
-10	NV	0.008	0.005
0	NV	0.011	-0.005
+10	NV	0.010	-0.004
+20	NV	-0.003	-0.007
+30	NV	0.007	0.004
+40	NV	0.007	-0.005
+50	NV	-0.004	0.002
+20	LV	0.009	0.005
+20	HV	0.012	-0.006

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

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	22.27	24.62	0.290
QPSK	779.5	23205	5	1	12	23.25	25.60	0.363
QPSK	779.5	23205	5	1	24	23.73	26.08	0.406
QPSK	779.5	23205	5	12	0	21.76	24.11	0.258
QPSK	779.5	23205	5	12	7	22.28	24.63	0.290
QPSK	779.5	23205	5	12	13	22.59	24.94	0.312
QPSK	779.5	23205	5	25	0	22.19	24.54	0.284
QPSK	782	23230	5	1	0	23.71	26.06	0.404
QPSK	782	23230	5	1	12	23.87	26.22	0.419
QPSK	782	23230	5	1	24	23.13	25.48	0.353
QPSK	782	23230	5	12	0	22.76	25.11	0.324
QPSK	782	23230	5	12	7	22.77	25.12	0.325
QPSK	782	23230	5	12	13	22.46	24.81	0.303
QPSK	782	23230	5	25	0	22.59	24.94	0.312
QPSK	784.5	23255	5	1	0	23.65	26.00	0.398
QPSK	784.5	23255	5	1	12	22.95	25.30	0.339
QPSK	784.5	23255	5	1	24	22.76	25.11	0.324
QPSK	784.5	23255	5	12	0	22.33	24.68	0.294
QPSK	784.5	23255	5	12	7	21.95	24.30	0.269
QPSK	784.5	23255	5	12	13	21.76	24.11	0.258
QPSK	784.5	23255	5	25	0	22.06	24.41	0.276

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	21.24	23.59	0.229
16QAM	779.5	23205	5	1	12	22.47	24.82	0.303
16QAM	779.5	23205	5	1	24	22.93	25.28	0.337
16QAM	779.5	23205	5	12	0	20.83	23.18	0.208
16QAM	779.5	23205	5	12	7	21.33	23.68	0.233
16QAM	779.5	23205	5	12	13	21.60	23.95	0.248
16QAM	779.5	23205	5	25	0	21.20	23.55	0.226
16QAM	782	23230	5	1	0	22.65	25.00	0.316
16QAM	782	23230	5	1	12	23.06	25.41	0.348
16QAM	782	23230	5	1	24	22.15	24.50	0.282
16QAM	782	23230	5	12	0	21.81	24.16	0.261
16QAM	782	23230	5	12	7	21.85	24.20	0.263
16QAM	782	23230	5	12	13	21.55	23.90	0.245
16QAM	782	23230	5	25	0	21.54	23.89	0.245
16QAM	784.5	23255	5	1	0	23.06	25.41	0.348
16QAM	784.5	23255	5	1	12	22.05	24.40	0.275
16QAM	784.5	23255	5	1	24	22.21	24.56	0.286
16QAM	784.5	23255	5	12	0	21.40	23.75	0.237
16QAM	784.5	23255	5	12	7	20.91	23.26	0.212
16QAM	784.5	23255	5	12	13	20.77	23.12	0.205
16QAM	784.5	23255	5	25	0	21.08	23.43	0.220
64QAM	779.5	23205	5	1	0	21.28	23.63	0.231
64QAM	779.5	23205	5	1	12	22.21	24.56	0.286
64QAM	779.5	23205	5	1	24	22.49	24.84	0.305
64QAM	779.5	23205	5	12	0	20.82	23.17	0.207
64QAM	779.5	23205	5	12	7	21.21	23.56	0.227
64QAM	779.5	23205	5	12	13	21.58	23.93	0.247
64QAM	779.5	23205	5	25	0	21.19	23.54	0.226
64QAM	782	23230	5	1	0	22.83	25.18	0.330
64QAM	782	23230	5	1	12	22.86	25.21	0.332
64QAM	782	23230	5	1	24	22.24	24.59	0.288
64QAM	782	23230	5	12	0	21.69	24.04	0.254
64QAM	782	23230	5	12	7	21.80	24.15	0.260
64QAM	782	23230	5	12	13	21.46	23.81	0.240
64QAM	782	23230	5	25	0	21.56	23.91	0.246
64QAM	784.5	23255	5	1	0	22.58	24.93	0.311
64QAM	784.5	23255	5	1	12	21.91	24.26	0.267
64QAM	784.5	23255	5	1	24	21.70	24.05	0.254
64QAM	784.5	23255	5	12	0	21.36	23.71	0.235
64QAM	784.5	23255	5	12	7	20.94	23.29	0.213
64QAM	784.5	23255	5	12	13	20.70	23.05	0.202
64QAM	784.5	23255	5	25	0	21.05	23.40	0.219

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	22.63	24.98	0.315
QPSK	782	23230	10	1	25	23.69	26.04	0.402
QPSK	782	23230	10	1	49	22.63	24.98	0.315
QPSK	782	23230	10	25	0	22.21	24.56	0.286
QPSK	782	23230	10	25	12	22.53	24.88	0.308
QPSK	782	23230	10	25	25	22.07	24.42	0.277
QPSK	782	23230	10	50	0	22.16	24.51	0.282
QPSK	782	23230	10	1	0	22.26	24.61	0.289
QPSK	782	23230	10	1	25	23.48	25.83	0.383
QPSK	782	23230	10	1	49	22.50	24.85	0.305
QPSK	782	23230	10	25	0	22.12	24.47	0.280
QPSK	782	23230	10	25	12	22.42	24.77	0.300
QPSK	782	23230	10	25	25	21.96	24.31	0.270
QPSK	782	23230	10	50	0	22.07	24.42	0.277
QPSK	782	23230	10	1	0	22.34	24.69	0.294
QPSK	782	23230	10	1	25	23.54	25.89	0.388
QPSK	782	23230	10	1	49	22.53	24.88	0.308
QPSK	782	23230	10	25	0	22.14	24.49	0.281
QPSK	782	23230	10	25	12	22.44	24.79	0.301
QPSK	782	23230	10	25	25	21.96	24.31	0.270
QPSK	782	23230	10	50	0	22.09	24.44	0.278

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	21.46	23.81	0.240
16QAM	782	23230	10	1	25	23.18	25.53	0.357
16QAM	782	23230	10	1	49	21.55	23.90	0.245
16QAM	782	23230	10	25	0	21.21	23.56	0.227
16QAM	782	23230	10	25	12	21.58	23.93	0.247
16QAM	782	23230	10	25	25	21.12	23.47	0.222
16QAM	782	23230	10	50	0	21.10	23.45	0.221
16QAM	782	23230	10	1	0	21.52	23.87	0.244
16QAM	782	23230	10	1	25	22.67	25.02	0.318
16QAM	782	23230	10	1	49	22.10	24.45	0.279
16QAM	782	23230	10	25	0	21.19	23.54	0.226
16QAM	782	23230	10	25	12	21.50	23.85	0.243
16QAM	782	23230	10	25	25	21.04	23.39	0.218
16QAM	782	23230	10	50	0	21.09	23.44	0.221
16QAM	782	23230	10	1	0	21.68	24.03	0.253
16QAM	782	23230	10	1	25	23.20	25.55	0.359
16QAM	782	23230	10	1	49	21.97	24.32	0.270
16QAM	782	23230	10	25	0	21.18	23.53	0.225
16QAM	782	23230	10	25	12	21.50	23.85	0.243
16QAM	782	23230	10	25	25	21.01	23.36	0.217
16QAM	782	23230	10	50	0	21.04	23.39	0.218
64QAM	782	23230	10	1	0	21.43	23.78	0.239
64QAM	782	23230	10	1	25	22.93	25.28	0.337
64QAM	782	23230	10	1	49	21.61	23.96	0.249
64QAM	782	23230	10	25	0	21.27	23.62	0.230
64QAM	782	23230	10	25	12	21.57	23.92	0.247
64QAM	782	23230	10	25	25	21.11	23.46	0.222
64QAM	782	23230	10	50	0	21.14	23.49	0.223
64QAM	782	23230	10	1	0	21.63	23.98	0.250
64QAM	782	23230	10	1	25	22.88	25.23	0.333
64QAM	782	23230	10	1	49	21.48	23.83	0.242
64QAM	782	23230	10	25	0	21.15	23.50	0.224
64QAM	782	23230	10	25	12	21.52	23.87	0.244
64QAM	782	23230	10	25	25	21.01	23.36	0.217
64QAM	782	23230	10	50	0	21.04	23.39	0.218
64QAM	782	23230	10	1	0	21.33	23.68	0.233
64QAM	782	23230	10	1	25	22.64	24.99	0.316
64QAM	782	23230	10	1	49	21.59	23.94	0.248
64QAM	782	23230	10	25	0	21.19	23.54	0.226
64QAM	782	23230	10	25	12	21.48	23.83	0.242
64QAM	782	23230	10	25	25	21.05	23.40	0.219
64QAM	782	23230	10	50	0	21.10	23.45	0.221