Test Mode: 64QAM

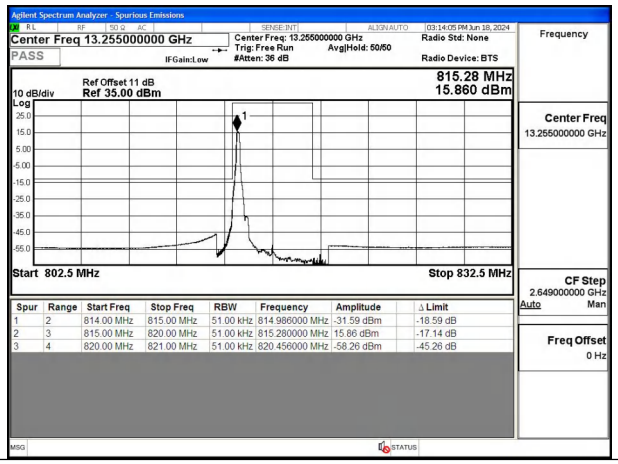

Fig.25

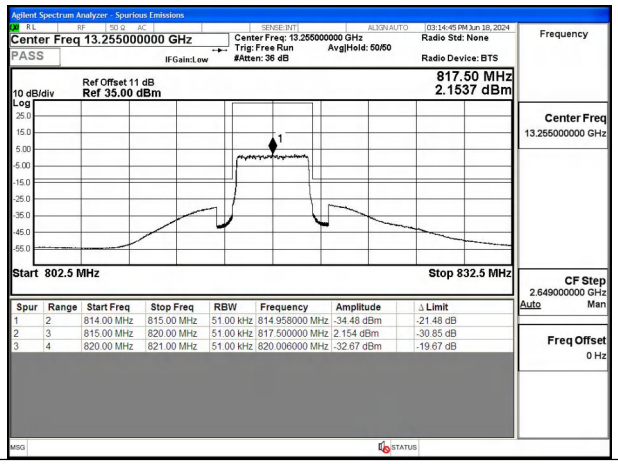

Fig.26

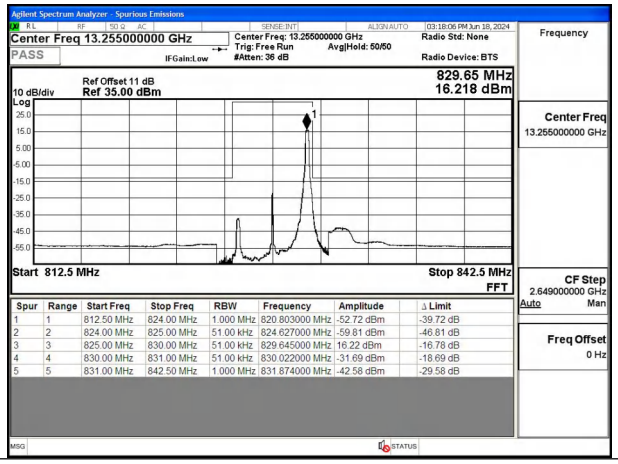

Fig.27

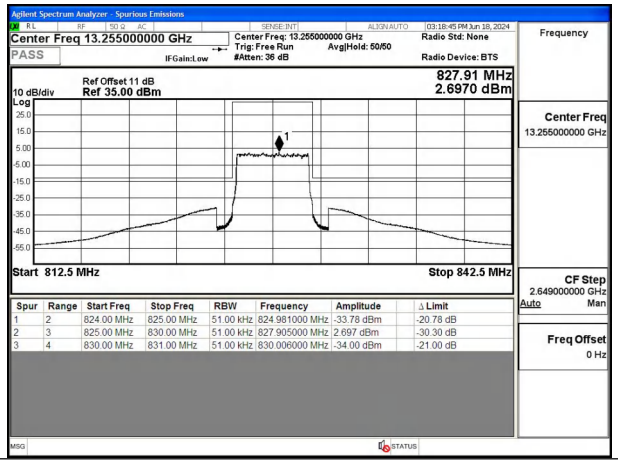

Fig.28

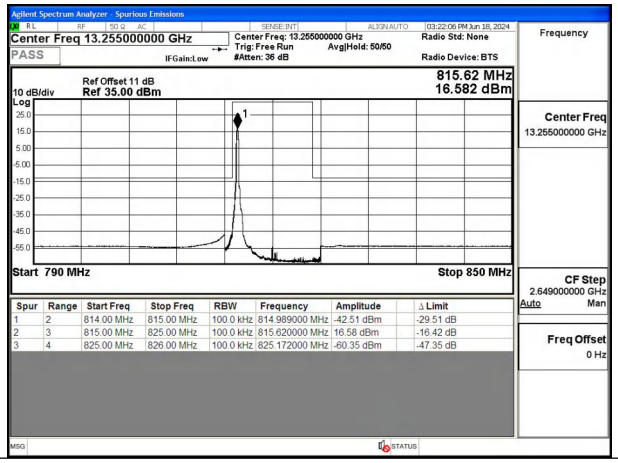

Fig.29

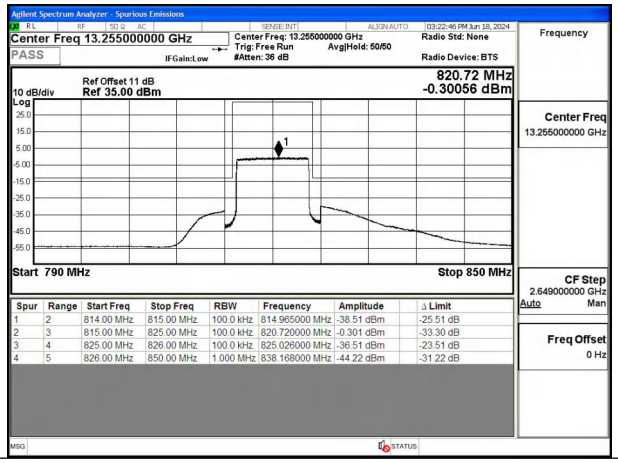

Fig.30

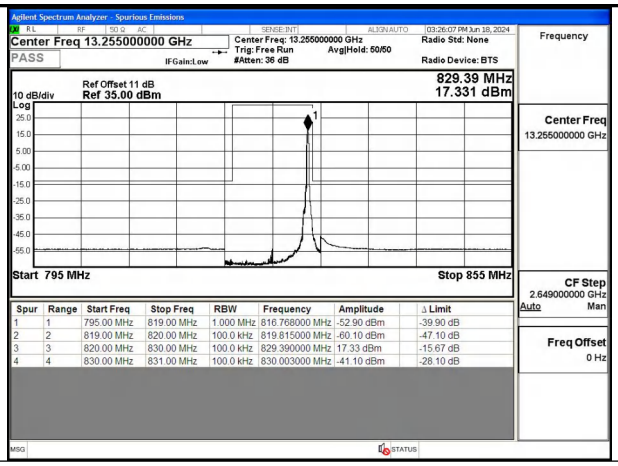

Fig.31

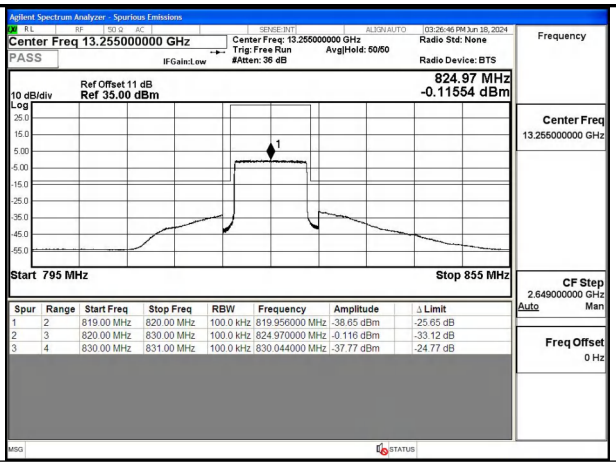

Fig.32

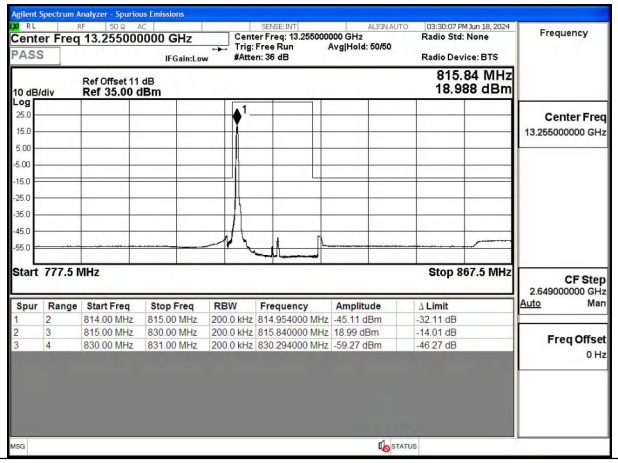

Fig.33

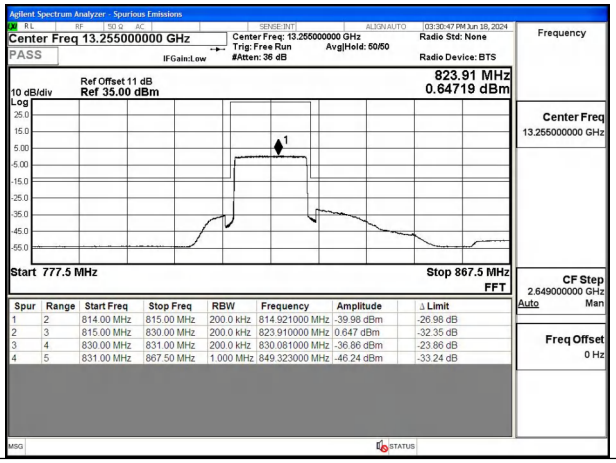

Fig.34

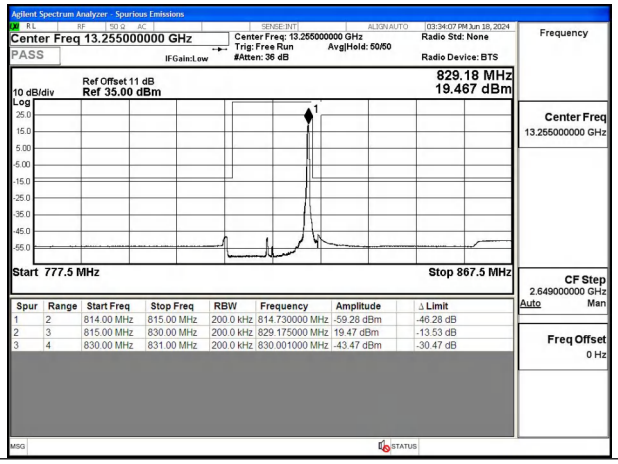

Fig.35

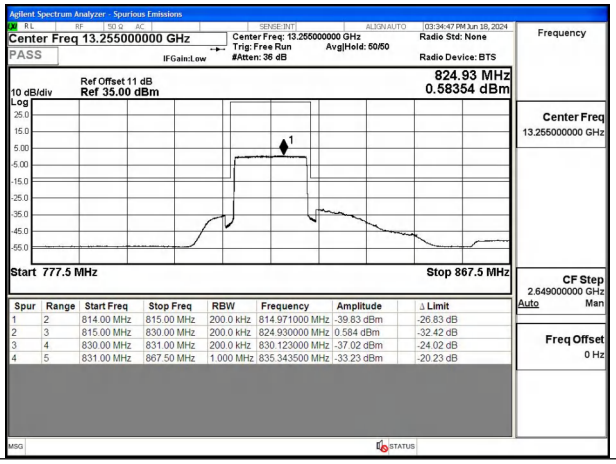

Fig.36

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 18 Low Channel QPSK		
		5M	10M	15M
-30	NV	0.006	0.004	-0.005
-20	NV	0.006	-0.007	-0.006
-10	NV	-0.007	-0.006	-0.007
0	NV	0.004	0.005	-0.006
+10	NV	-0.004	0.005	-0.008
+20	NV	-0.006	-0.005	0.006
+30	NV	-0.007	0.006	0.005
+40	NV	0.004	-0.006	-0.006
+50	NV	0.005	0.006	-0.004
+20	LV	-0.008	-0.006	-0.004
+20	HV	0.006	0.007	-0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 18 High Channel QPSK		
		5M	10M	15M
-30	NV	0.002	0.004	-0.006
-20	NV	0.003	0.004	-0.006
-10	NV	-0.003	0.006	-0.006
0	NV	0.000	0.004	-0.003
+10	NV	-0.002	0.006	-0.004
+20	NV	-0.001	-0.004	-0.004
+30	NV	0.001	0.006	-0.007
+40	NV	-0.001	0.004	-0.006
+50	NV	-0.001	-0.005	-0.006
+20	LV	0.001	0.005	-0.005
+20	HV	0.003	-0.006	-0.009

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	817.5	23875	5	1	0	22.47	24.82	0.303
QPSK	817.5	23875	5	1	12	22.69	25.04	0.319
QPSK	817.5	23875	5	1	24	22.90	25.25	0.335
QPSK	817.5	23875	5	12	0	21.31	23.66	0.232
QPSK	817.5	23875	5	12	7	21.53	23.88	0.244
QPSK	817.5	23875	5	12	13	21.68	24.03	0.253
QPSK	817.5	23875	5	25	0	21.47	23.82	0.241
QPSK	822.5	23925	5	1	0	22.87	25.22	0.333
QPSK	822.5	23925	5	1	12	22.76	25.11	0.324
QPSK	822.5	23925	5	1	24	22.97	25.32	0.340
QPSK	822.5	23925	5	12	0	21.82	24.17	0.261
QPSK	822.5	23925	5	12	7	21.84	24.19	0.262
QPSK	822.5	23925	5	12	13	21.85	24.20	0.263
QPSK	822.5	23925	5	25	0	21.84	24.19	0.262
QPSK	827.5	23975	5	1	0	23.03	25.38	0.345
QPSK	827.5	23975	5	1	12	22.95	25.30	0.339
QPSK	827.5	23975	5	1	24	22.96	25.31	0.340
QPSK	827.5	23975	5	12	0	21.94	24.29	0.269
QPSK	827.5	23975	5	12	7	21.89	24.24	0.265
QPSK	827.5	23975	5	12	13	21.91	24.26	0.267
QPSK	827.5	23975	5	25	0	21.94	24.29	0.269

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	817.5	23875	5	1	0	21.25	23.60	0.229
16QAM	817.5	23875	5	1	12	21.62	23.97	0.249
16QAM	817.5	23875	5	1	24	22.00	24.35	0.272
16QAM	817.5	23875	5	12	0	20.37	22.72	0.187
16QAM	817.5	23875	5	12	7	20.56	22.91	0.195
16QAM	817.5	23875	5	12	13	20.64	22.99	0.199
16QAM	817.5	23875	5	25	0	20.50	22.85	0.193
16QAM	822.5	23925	5	1	0	22.20	24.55	0.285
16QAM	822.5	23925	5	1	12	21.87	24.22	0.264
16QAM	822.5	23925	5	1	24	22.16	24.51	0.282
16QAM	822.5	23925	5	12	0	20.85	23.20	0.209
16QAM	822.5	23925	5	12	7	20.83	23.18	0.208
16QAM	822.5	23925	5	12	13	20.94	23.29	0.213
16QAM	822.5	23925	5	25	0	20.89	23.24	0.211
16QAM	827.5	23975	5	1	0	22.19	24.54	0.284
16QAM	827.5	23975	5	1	12	21.89	24.24	0.265
16QAM	827.5	23975	5	1	24	21.96	24.31	0.270
16QAM	827.5	23975	5	12	0	20.99	23.34	0.216
16QAM	827.5	23975	5	12	7	20.98	23.33	0.215
16QAM	827.5	23975	5	12	13	21.11	23.46	0.222
16QAM	827.5	23975	5	25	0	20.97	23.32	0.215
64QAM	817.5	23875	5	1	0	20.90	23.25	0.211
64QAM	817.5	23875	5	1	12	21.78	24.13	0.259
64QAM	817.5	23875	5	1	24	21.59	23.94	0.248
64QAM	817.5	23875	5	12	0	20.31	22.66	0.185
64QAM	817.5	23875	5	12	7	20.52	22.87	0.194
64QAM	817.5	23875	5	12	13	20.67	23.02	0.200
64QAM	817.5	23875	5	25	0	20.48	22.83	0.192
64QAM	822.5	23925	5	1	0	21.33	23.68	0.233
64QAM	822.5	23925	5	1	12	21.89	24.24	0.265
64QAM	822.5	23925	5	1	24	22.09	24.44	0.278
64QAM	822.5	23925	5	12	0	20.80	23.15	0.207
64QAM	822.5	23925	5	12	7	20.91	23.26	0.212
64QAM	822.5	23925	5	12	13	20.85	23.20	0.209
64QAM	822.5	23925	5	25	0	20.86	23.21	0.209
64QAM	827.5	23975	5	1	0	21.99	24.34	0.272
64QAM	827.5	23975	5	1	12	21.71	24.06	0.255
64QAM	827.5	23975	5	1	24	22.21	24.56	0.286
64QAM	827.5	23975	5	12	0	20.91	23.26	0.212
64QAM	827.5	23975	5	12	7	20.97	23.32	0.215
64QAM	827.5	23975	5	12	13	20.93	23.28	0.213
64QAM	827.5	23975	5	25	0	21.04	23.39	0.218

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	820	23900	10	1	0	22.49	24.84	0.305
QPSK	820	23900	10	1	25	23.00	25.35	0.343
QPSK	820	23900	10	1	49	23.14	25.49	0.354
QPSK	820	23900	10	25	0	21.62	23.97	0.249
QPSK	820	23900	10	25	12	21.88	24.23	0.265
QPSK	820	23900	10	25	25	21.96	24.31	0.270
QPSK	820	23900	10	50	0	21.78	24.13	0.259
QPSK	822.5	23925	10	1	0	22.57	24.92	0.310
QPSK	822.5	23925	10	1	25	22.76	25.11	0.324
QPSK	822.5	23925	10	1	49	23.02	25.37	0.344
QPSK	822.5	23925	10	25	0	21.80	24.15	0.260
QPSK	822.5	23925	10	25	12	21.91	24.26	0.267
QPSK	822.5	23925	10	25	25	21.96	24.31	0.270
QPSK	822.5	23925	10	50	0	21.88	24.23	0.265
QPSK	825	23950	10	1	0	22.82	25.17	0.329
QPSK	825	23950	10	1	25	22.93	25.28	0.337
QPSK	825	23950	10	1	49	22.90	25.25	0.335
QPSK	825	23950	10	25	0	21.88	24.23	0.265
QPSK	825	23950	10	25	12	21.96	24.31	0.270
QPSK	825	23950	10	25	25	21.96	24.31	0.270
QPSK	825	23950	10	50	0	21.92	24.27	0.267

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	820	23900	10	1	0	21.40	23.75	0.237
16QAM	820	23900	10	1	25	22.22	24.57	0.286
16QAM	820	23900	10	1	49	22.16	24.51	0.282
16QAM	820	23900	10	25	0	20.59	22.94	0.197
16QAM	820	23900	10	25	12	20.86	23.21	0.209
16QAM	820	23900	10	25	25	20.93	23.28	0.213
16QAM	820	23900	10	50	0	20.69	23.04	0.201
16QAM	822.5	23925	10	1	0	21.83	24.18	0.262
16QAM	822.5	23925	10	1	25	21.77	24.12	0.258
16QAM	822.5	23925	10	1	49	22.18	24.53	0.284
16QAM	822.5	23925	10	25	0	20.85	23.20	0.209
16QAM	822.5	23925	10	25	12	20.96	23.31	0.214
16QAM	822.5	23925	10	25	25	21.08	23.43	0.220
16QAM	822.5	23925	10	50	0	20.87	23.22	0.210
16QAM	825	23950	10	1	0	22.40	24.75	0.299
16QAM	825	23950	10	1	25	22.23	24.58	0.287
16QAM	825	23950	10	1	49	22.31	24.66	0.292
16QAM	825	23950	10	25	0	20.86	23.21	0.209
16QAM	825	23950	10	25	12	20.98	23.33	0.215
16QAM	825	23950	10	25	25	20.99	23.34	0.216
16QAM	825	23950	10	50	0	20.95	23.30	0.214
64QAM	820	23900	10	1	0	21.31	23.66	0.232
64QAM	820	23900	10	1	25	21.95	24.30	0.269
64QAM	820	23900	10	1	49	21.92	24.27	0.267
64QAM	820	23900	10	25	0	20.63	22.98	0.199
64QAM	820	23900	10	25	12	20.83	23.18	0.208
64QAM	820	23900	10	25	25	20.85	23.20	0.209
64QAM	820	23900	10	50	0	20.76	23.11	0.205
64QAM	822.5	23925	10	1	0	21.86	24.21	0.264
64QAM	822.5	23925	10	1	25	21.78	24.13	0.259
64QAM	822.5	23925	10	1	49	22.03	24.38	0.274
64QAM	822.5	23925	10	25	0	20.84	23.19	0.208
64QAM	822.5	23925	10	25	12	20.93	23.28	0.213
64QAM	822.5	23925	10	25	25	20.95	23.30	0.214
64QAM	822.5	23925	10	50	0	20.86	23.21	0.209
64QAM	825	23950	10	1	0	22.05	24.40	0.275
64QAM	825	23950	10	1	25	22.00	24.35	0.272
64QAM	825	23950	10	1	49	22.02	24.37	0.274
64QAM	825	23950	10	25	0	20.96	23.31	0.214
64QAM	825	23950	10	25	12	20.97	23.32	0.215
64QAM	825	23950	10	25	25	21.03	23.38	0.218
64QAM	825	23950	10	50	0	20.97	23.32	0.215

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	822.5	23925	15	1	0	23.04	25.39	0.346
QPSK	822.5	23925	15	1	37	23.57	25.92	0.391
QPSK	822.5	23925	15	1	74	23.55	25.90	0.389
QPSK	822.5	23925	15	36	0	22.31	24.66	0.292
QPSK	822.5	23925	15	36	29	22.60	24.95	0.313
QPSK	822.5	23925	15	36	30	22.59	24.94	0.312
QPSK	822.5	23925	15	75	0	22.46	24.81	0.303

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	822.5	23925	15	1	0	22.02	24.37	0.274
16QAM	822.5	23925	15	1	37	22.81	25.16	0.328
16QAM	822.5	23925	15	1	74	22.63	24.98	0.315
16QAM	822.5	23925	15	36	0	21.19	23.54	0.226
16QAM	822.5	23925	15	36	29	21.47	23.82	0.241
16QAM	822.5	23925	15	36	30	21.54	23.89	0.245
16QAM	822.5	23925	15	75	0	21.40	23.75	0.237
64QAM	822.5	23925	15	1	0	21.40	23.75	0.237
64QAM	822.5	23925	15	1	37	22.45	24.80	0.302
64QAM	822.5	23925	15	1	74	22.56	24.91	0.310
64QAM	822.5	23925	15	36	0	21.12	23.47	0.222
64QAM	822.5	23925	15	36	29	21.45	23.80	0.240
64QAM	822.5	23925	15	36	30	21.42	23.77	0.238
64QAM	822.5	23925	15	75	0	21.34	23.69	0.234