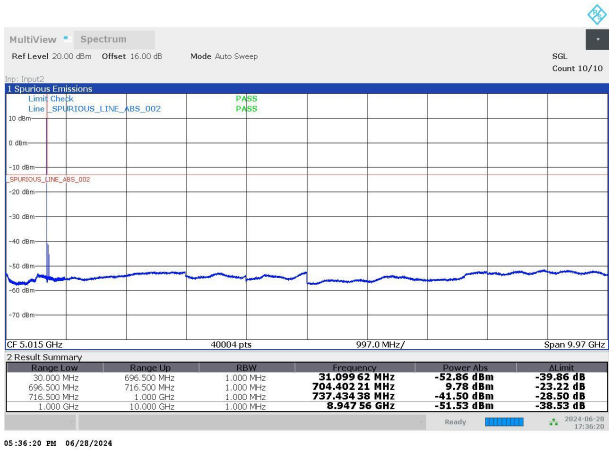

Fig.13

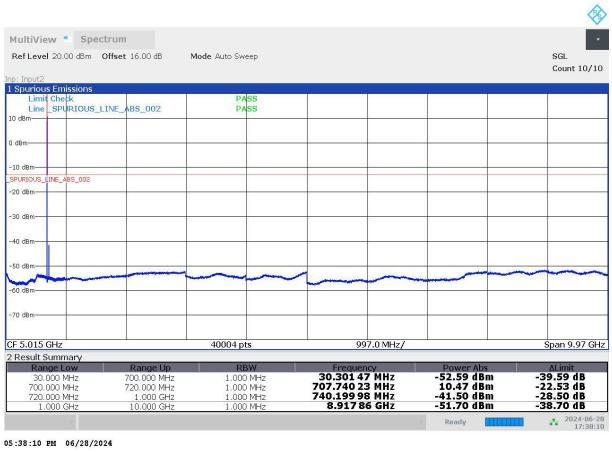

Fig.14

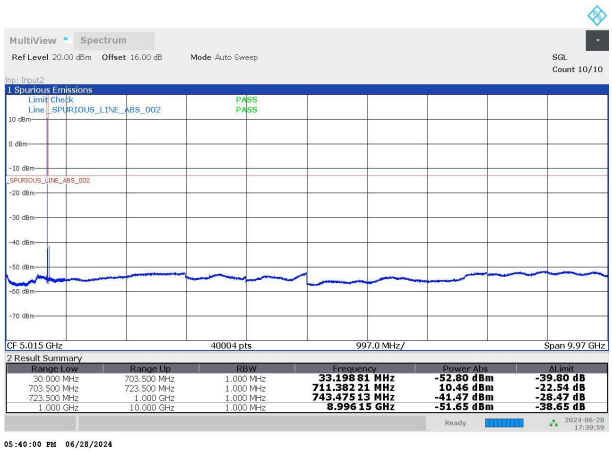

Fig.15

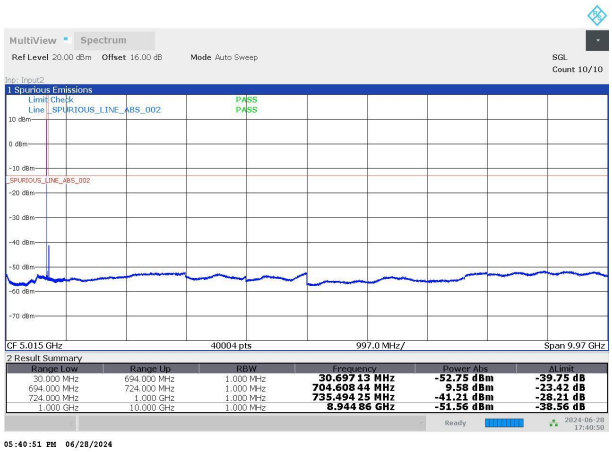

Fig.16

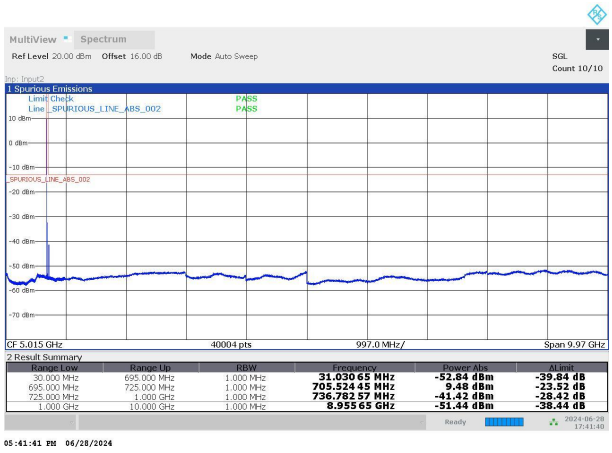

Fig.17

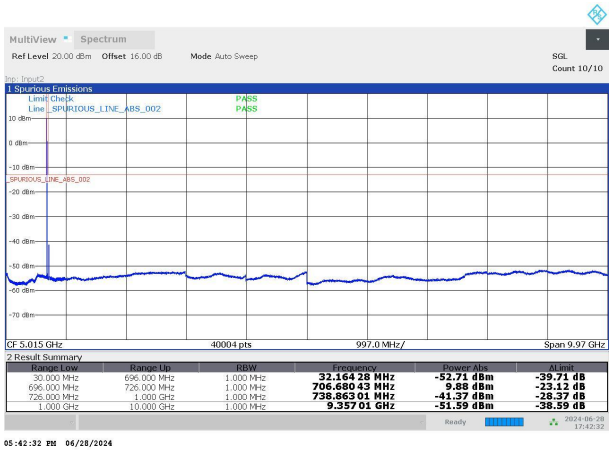

Fig.18

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	QPSK	706.5	23755	5	1	0	Fig.1
17	QPSK	706.5	23755	5	25	0	Fig.2
17	QPSK	713.5	23825	5	1	24	Fig.3
17	QPSK	713.5	23825	5	25	0	Fig.4
17	QPSK	709	23780	10	1	0	Fig.5
17	QPSK	709	23780	10	50	0	Fig.6
17	QPSK	711	23800	10	1	49	Fig.7
17	QPSK	711	23800	10	50	0	Fig.8

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	16QAM	706.5	23755	5	1	0	Fig.9
17	16QAM	706.5	23755	5	25	0	Fig.10
17	16QAM	713.5	23825	5	1	24	Fig.11
17	16QAM	713.5	23825	5	25	0	Fig.12
17	16QAM	709	23780	10	1	0	Fig.13
17	16QAM	709	23780	10	50	0	Fig.14
17	16QAM	711	23800	10	1	49	Fig.15
17	16QAM	711	23800	10	50	0	Fig.16

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	64QAM	706.5	23755	5	1	0	Fig.17
17	64QAM	706.5	23755	5	25	0	Fig.18
17	64QAM	713.5	23825	5	1	24	Fig.19
17	64QAM	713.5	23825	5	25	0	Fig.20
17	64QAM	709	23780	10	1	0	Fig.21
17	64QAM	709	23780	10	50	0	Fig.22
17	64QAM	711	23800	10	1	49	Fig.23
17	64QAM	711	23800	10	50	0	Fig.24

Test Mode: QPSK

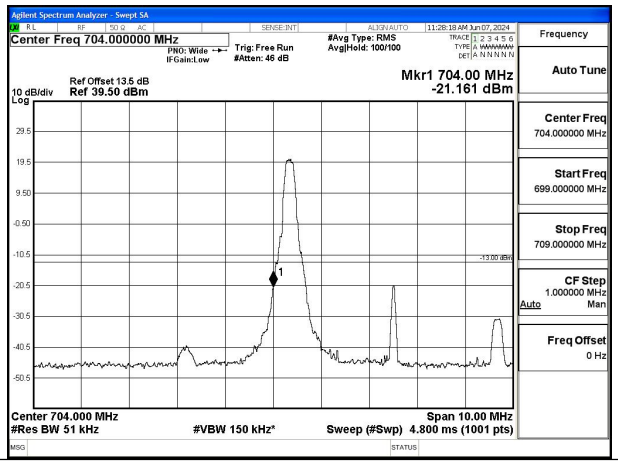

Fig.1

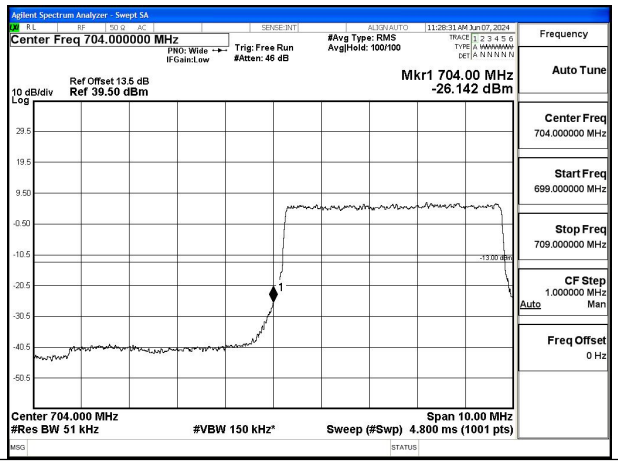

Fig.2

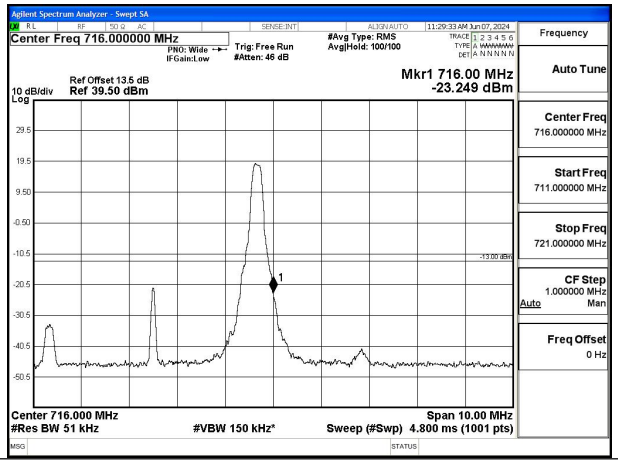

Fig.3

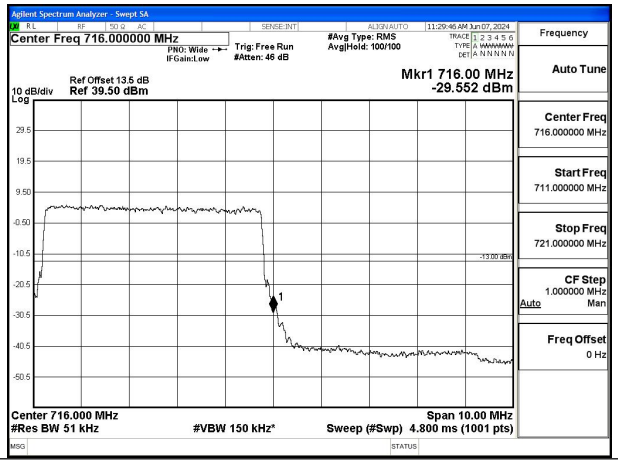

Fig.4

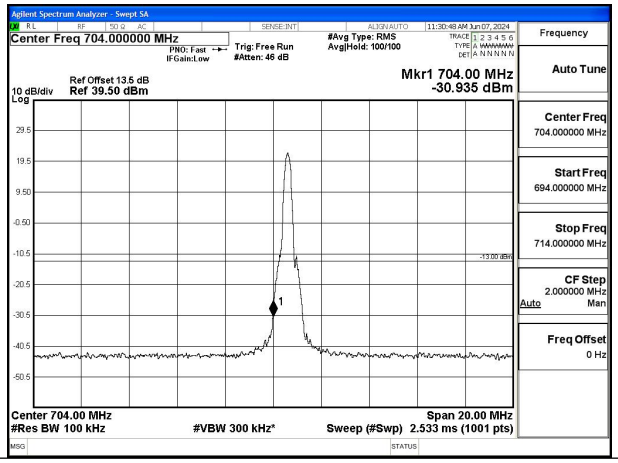

Fig.5

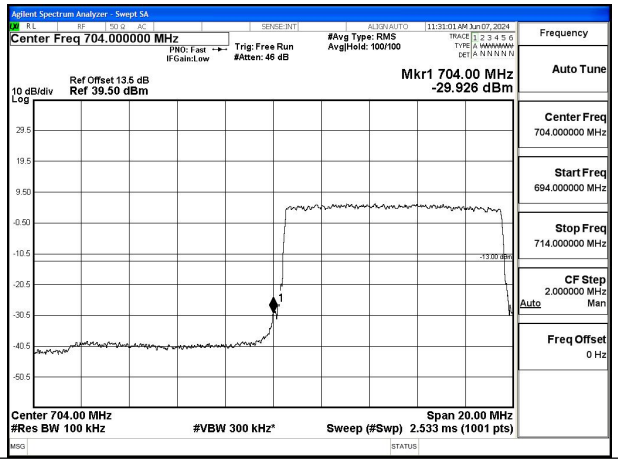

Fig.6

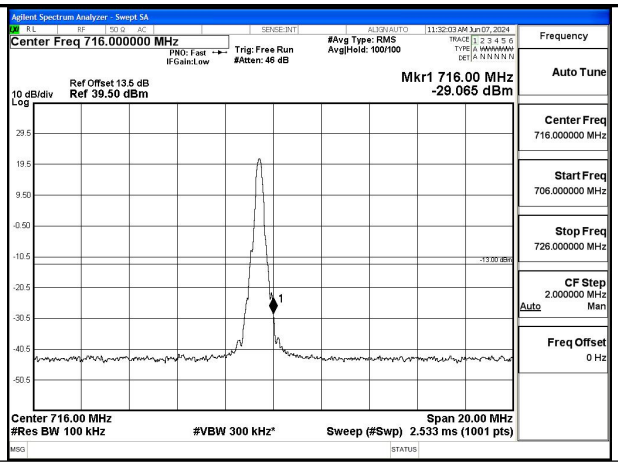

Fig.7

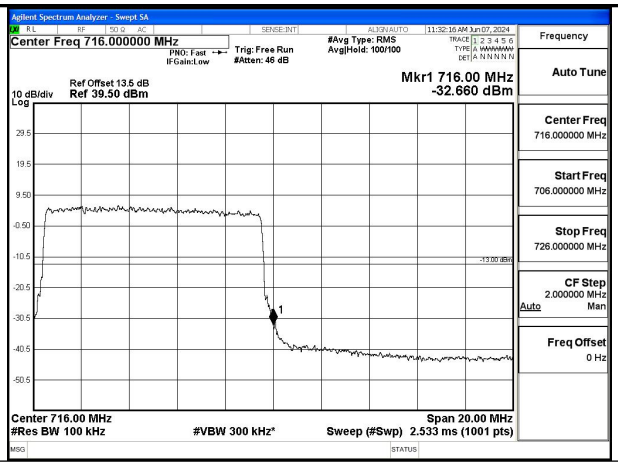

Fig.8

Test Mode: 16QAM

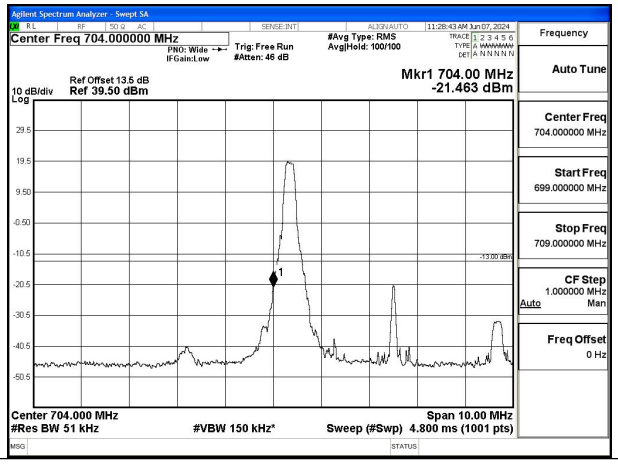

Fig.9

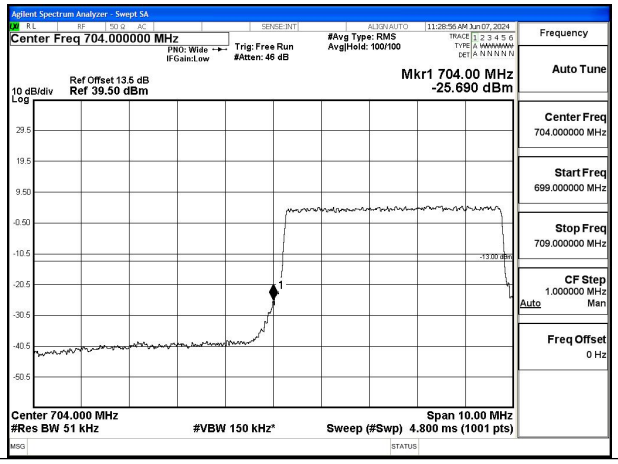

Fig.10

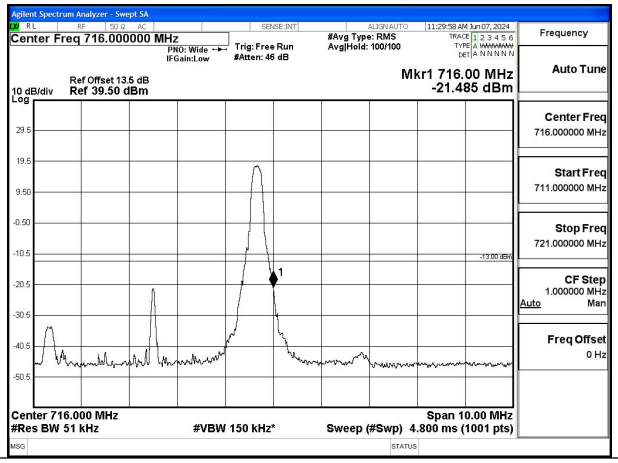

Fig.11

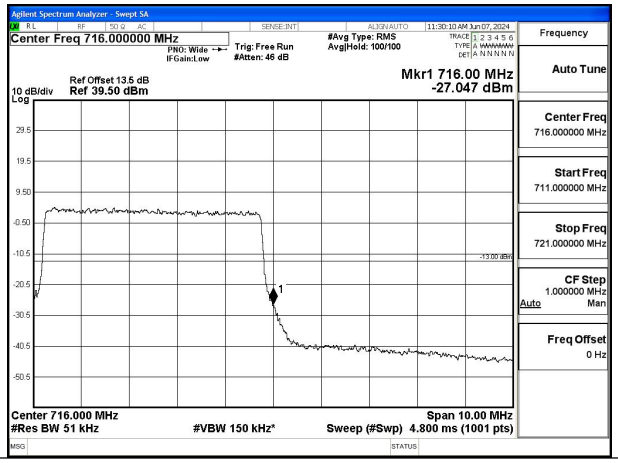

Fig.12

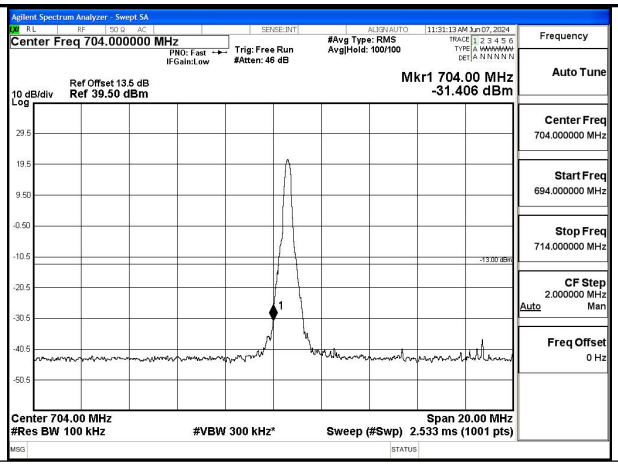

Fig.13

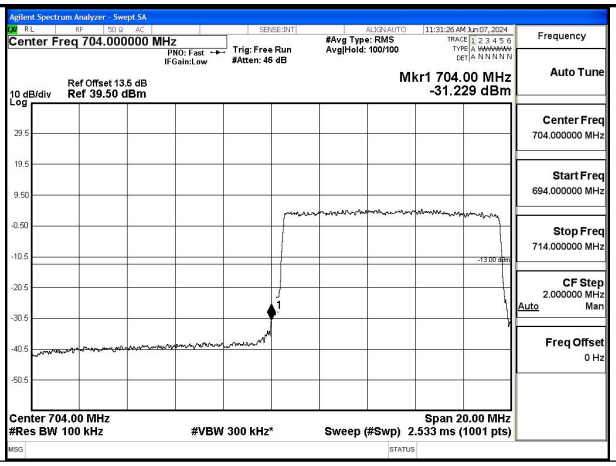

Fig.14

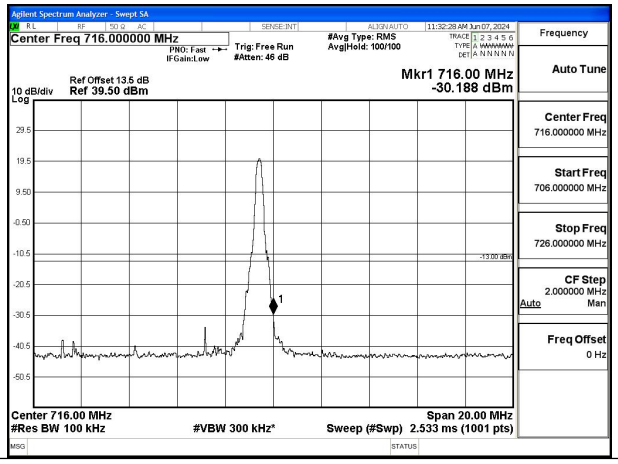

Fig.15

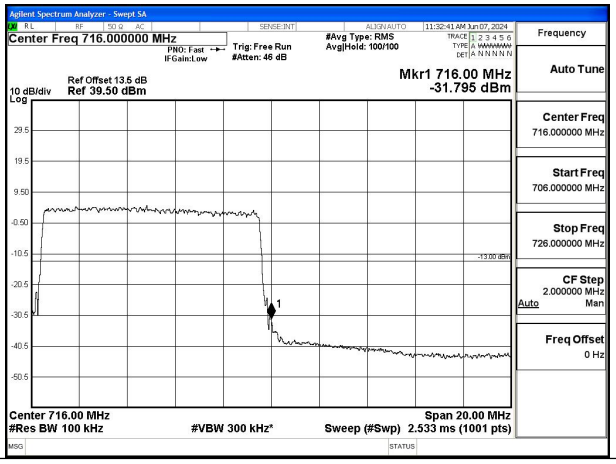

Fig.16

Test Mode: 64QAM

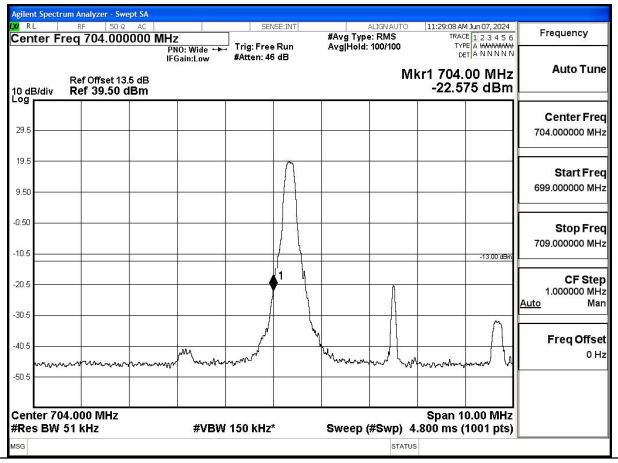

Fig.17

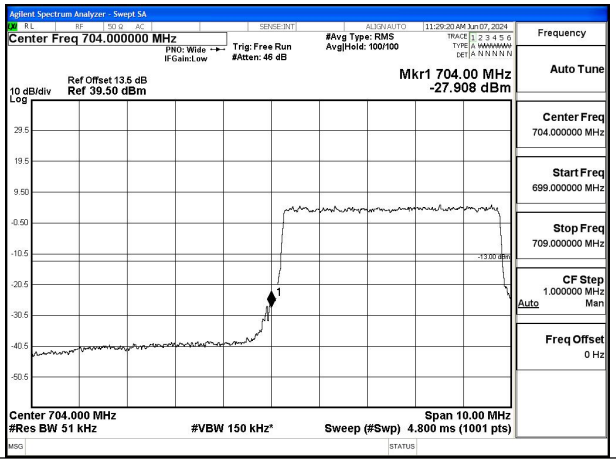

Fig.18

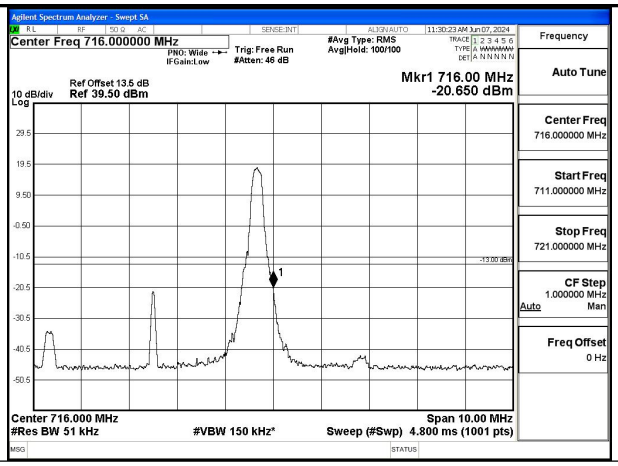

Fig.19

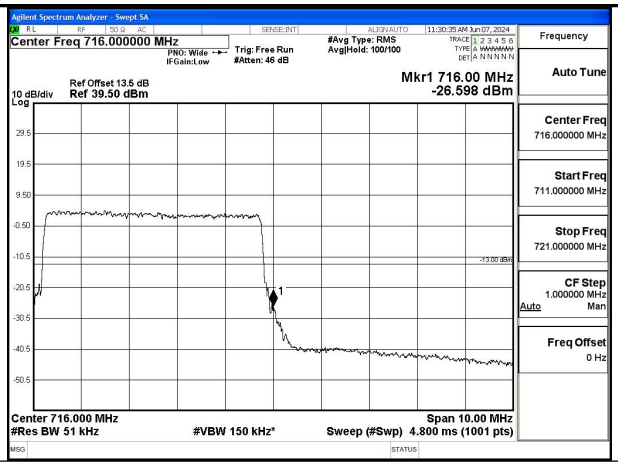

Fig.20

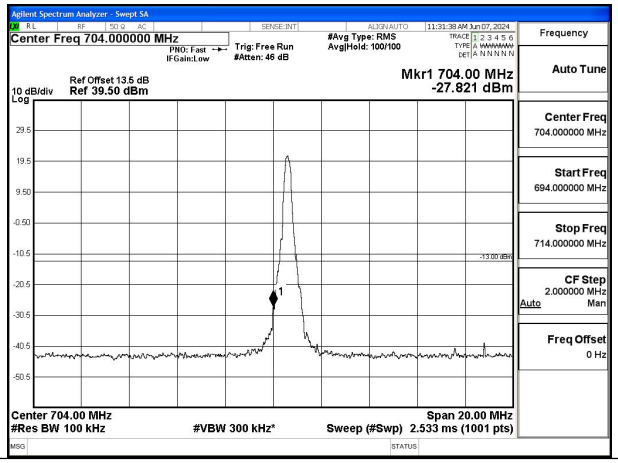

Fig.21

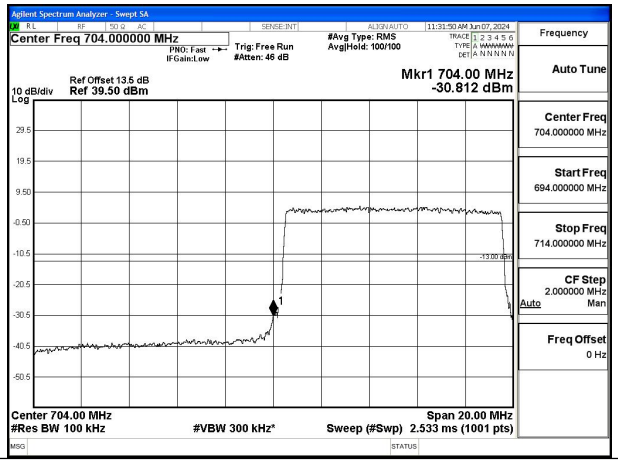

Fig.22

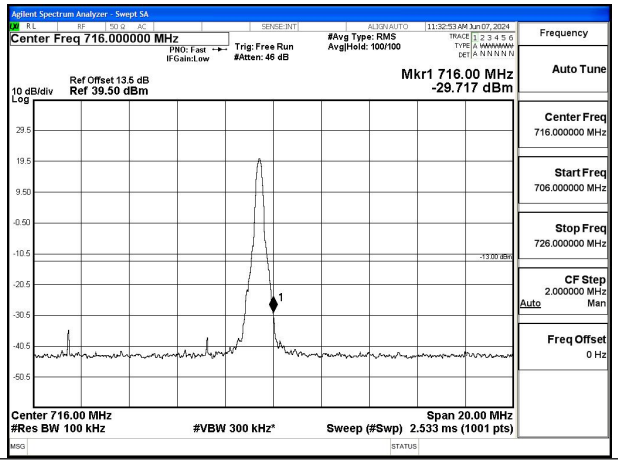

Fig.23

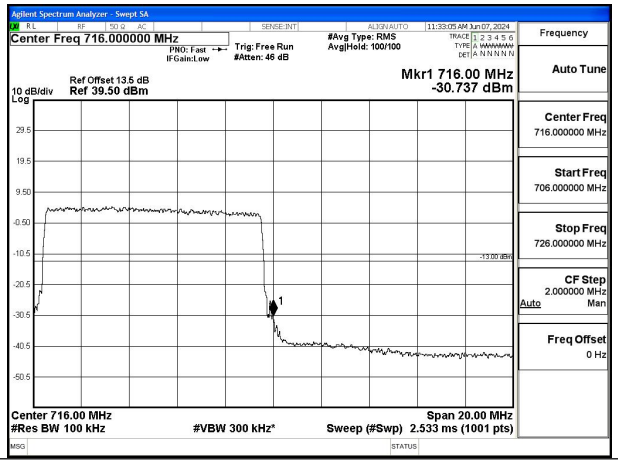

Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 17 Low Channel QPSK	
		5M	10M
-30	NV	0.002	0.005
-20	NV	0.004	0.005
-10	NV	0.003	0.004
0	NV	0.003	-0.007
+10	NV	0.001	0.006
+20	NV	0.002	0.006
+30	NV	-0.002	0.006
+40	NV	0.001	0.009
+50	NV	0.005	0.005
+20	LV	0.004	0.004
+20	HV	0.007	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 17 High Channel QPSK	
		5M	10M
-30	NV	0.002	0.005
-20	NV	0.002	0.004
-10	NV	0.006	0.007
0	NV	0.004	0.004
+10	NV	0.002	-0.006
+20	NV	0.003	-0.007
+30	NV	0.004	0.007
+40	NV	0.005	0.007
+50	NV	0.005	0.005
+20	LV	0.005	-0.005
+20	HV	0.001	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	706.5	23755	5	1	0	22.73	25.08	0.322
QPSK	706.5	23755	5	1	12	22.64	24.99	0.316
QPSK	706.5	23755	5	1	24	23.09	25.44	0.350
QPSK	706.5	23755	5	12	0	21.40	23.75	0.237
QPSK	706.5	23755	5	12	7	21.66	24.01	0.252
QPSK	706.5	23755	5	12	13	21.93	24.28	0.268
QPSK	706.5	23755	5	25	0	21.66	24.01	0.252
QPSK	710	23790	5	1	0	22.74	25.09	0.323
QPSK	710	23790	5	1	12	22.72	25.07	0.321
QPSK	710	23790	5	1	24	22.02	24.37	0.274
QPSK	710	23790	5	12	0	21.73	24.08	0.256
QPSK	710	23790	5	12	7	21.75	24.10	0.257
QPSK	710	23790	5	12	13	21.47	23.82	0.241
QPSK	710	23790	5	25	0	21.62	23.97	0.249
QPSK	713.5	23825	5	1	0	23.67	26.02	0.400
QPSK	713.5	23825	5	1	12	22.54	24.89	0.308
QPSK	713.5	23825	5	1	24	22.01	24.36	0.273
QPSK	713.5	23825	5	12	0	21.91	24.26	0.267
QPSK	713.5	23825	5	12	7	21.39	23.74	0.237
QPSK	713.5	23825	5	12	13	21.06	23.41	0.219
QPSK	713.5	23825	5	25	0	21.49	23.84	0.242

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	706.5	23755	5	1	0	21.63	23.98	0.250
16QAM	706.5	23755	5	1	12	22.12	24.47	0.280
16QAM	706.5	23755	5	1	24	22.10	24.45	0.279
16QAM	706.5	23755	5	12	0	20.42	22.77	0.189
16QAM	706.5	23755	5	12	7	20.62	22.97	0.198
16QAM	706.5	23755	5	12	13	21.00	23.35	0.216
16QAM	706.5	23755	5	25	0	20.70	23.05	0.202
16QAM	710	23790	5	1	0	22.15	24.50	0.282
16QAM	710	23790	5	1	12	21.73	24.08	0.256
16QAM	710	23790	5	1	24	21.19	23.54	0.226
16QAM	710	23790	5	12	0	20.86	23.21	0.209
16QAM	710	23790	5	12	7	20.77	23.12	0.205
16QAM	710	23790	5	12	13	20.46	22.81	0.191
16QAM	710	23790	5	25	0	20.66	23.01	0.200
16QAM	713.5	23825	5	1	0	22.46	24.81	0.303
16QAM	713.5	23825	5	1	12	21.83	24.18	0.262
16QAM	713.5	23825	5	1	24	20.99	23.34	0.216
16QAM	713.5	23825	5	12	0	20.89	23.24	0.211
16QAM	713.5	23825	5	12	7	20.49	22.84	0.192
16QAM	713.5	23825	5	12	13	20.16	22.51	0.178
16QAM	713.5	23825	5	25	0	20.47	22.82	0.191
64QAM	706.5	23755	5	1	0	21.27	23.62	0.230
64QAM	706.5	23755	5	1	12	21.47	23.82	0.241
64QAM	706.5	23755	5	1	24	21.87	24.22	0.264
64QAM	706.5	23755	5	12	0	20.39	22.74	0.188
64QAM	706.5	23755	5	12	7	20.67	23.02	0.200
64QAM	706.5	23755	5	12	13	20.93	23.28	0.213
64QAM	706.5	23755	5	25	0	20.64	22.99	0.199
64QAM	710	23790	5	1	0	21.89	24.24	0.265
64QAM	710	23790	5	1	12	21.99	24.34	0.272
64QAM	710	23790	5	1	24	21.30	23.65	0.232
64QAM	710	23790	5	12	0	20.79	23.14	0.206
64QAM	710	23790	5	12	7	20.84	23.19	0.208
64QAM	710	23790	5	12	13	20.60	22.95	0.197
64QAM	710	23790	5	25	0	20.76	23.11	0.205
64QAM	713.5	23825	5	1	0	22.53	24.88	0.308
64QAM	713.5	23825	5	1	12	21.42	23.77	0.238
64QAM	713.5	23825	5	1	24	20.84	23.19	0.208
64QAM	713.5	23825	5	12	0	21.05	23.40	0.219
64QAM	713.5	23825	5	12	7	20.35	22.70	0.186
64QAM	713.5	23825	5	12	13	20.11	22.46	0.176
64QAM	713.5	23825	5	25	0	20.42	22.77	0.189

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	709	23780	10	1	0	21.91	24.26	0.267
QPSK	709	23780	10	1	25	22.64	24.99	0.316
QPSK	709	23780	10	1	49	21.42	23.77	0.238
QPSK	709	23780	10	25	0	21.35	23.70	0.234
QPSK	709	23780	10	25	12	21.66	24.01	0.252
QPSK	709	23780	10	25	25	21.32	23.67	0.233
QPSK	709	23780	10	50	0	21.36	23.71	0.235
QPSK	710	23790	10	1	0	22.71	25.06	0.321
QPSK	710	23790	10	1	25	23.28	25.63	0.366
QPSK	710	23790	10	1	49	21.67	24.02	0.252
QPSK	710	23790	10	25	0	22.00	24.35	0.272
QPSK	710	23790	10	25	12	22.10	24.45	0.279
QPSK	710	23790	10	25	25	21.47	23.82	0.241
QPSK	710	23790	10	50	0	21.73	24.08	0.256
QPSK	711	23800	10	1	0	23.06	25.41	0.348
QPSK	711	23800	10	1	25	23.34	25.69	0.371
QPSK	711	23800	10	1	49	21.88	24.23	0.265
QPSK	711	23800	10	25	0	22.50	24.85	0.305
QPSK	711	23800	10	25	12	22.30	24.65	0.292
QPSK	711	23800	10	25	25	21.48	23.83	0.242
QPSK	711	23800	10	50	0	22.03	24.38	0.274

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	709	23780	10	1	0	20.74	23.09	0.204
16QAM	709	23780	10	1	25	22.02	24.37	0.274
16QAM	709	23780	10	1	49	20.86	23.21	0.209
16QAM	709	23780	10	25	0	20.40	22.75	0.188
16QAM	709	23780	10	25	12	20.76	23.11	0.205
16QAM	709	23780	10	25	25	20.38	22.73	0.187
16QAM	709	23780	10	50	0	20.39	22.74	0.188
16QAM	710	23790	10	1	0	21.32	23.67	0.233
16QAM	710	23790	10	1	25	22.34	24.69	0.294
16QAM	710	23790	10	1	49	21.20	23.55	0.226
16QAM	710	23790	10	25	0	20.99	23.34	0.216
16QAM	710	23790	10	25	12	21.13	23.48	0.223
16QAM	710	23790	10	25	25	20.51	22.86	0.193
16QAM	710	23790	10	50	0	20.73	23.08	0.203
16QAM	711	23800	10	1	0	22.60	24.95	0.313
16QAM	711	23800	10	1	25	22.43	24.78	0.301
16QAM	711	23800	10	1	49	20.19	22.54	0.179
16QAM	711	23800	10	25	0	21.54	23.89	0.245
16QAM	711	23800	10	25	12	21.37	23.72	0.236
16QAM	711	23800	10	25	25	20.54	22.89	0.195
16QAM	711	23800	10	50	0	21.05	23.40	0.219
64QAM	709	23780	10	1	0	20.57	22.92	0.196
64QAM	709	23780	10	1	25	21.93	24.28	0.268
64QAM	709	23780	10	1	49	20.75	23.10	0.204
64QAM	709	23780	10	25	0	20.37	22.72	0.187
64QAM	709	23780	10	25	12	20.68	23.03	0.201
64QAM	709	23780	10	25	25	20.35	22.70	0.186
64QAM	709	23780	10	50	0	20.37	22.72	0.187
64QAM	710	23790	10	1	0	21.40	23.75	0.237
64QAM	710	23790	10	1	25	22.55	24.90	0.309
64QAM	710	23790	10	1	49	20.60	22.95	0.197
64QAM	710	23790	10	25	0	20.97	23.32	0.215
64QAM	710	23790	10	25	12	21.07	23.42	0.220
64QAM	710	23790	10	25	25	20.40	22.75	0.188
64QAM	710	23790	10	50	0	20.71	23.06	0.202
64QAM	711	23800	10	1	0	22.27	24.62	0.290
64QAM	711	23800	10	1	25	22.09	24.44	0.278
64QAM	711	23800	10	1	49	21.02	23.37	0.217
64QAM	711	23800	10	25	0	21.50	23.85	0.243
64QAM	711	23800	10	25	12	21.30	23.65	0.232
64QAM	711	23800	10	25	25	20.56	22.91	0.195
64QAM	711	23800	10	50	0	21.03	23.38	0.218