

Fig.43

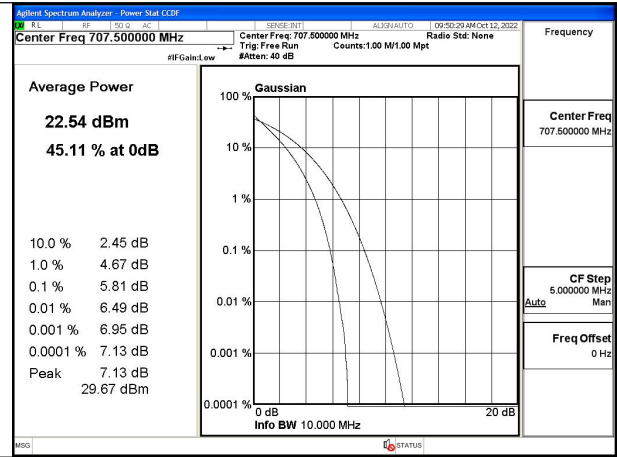


Fig.44

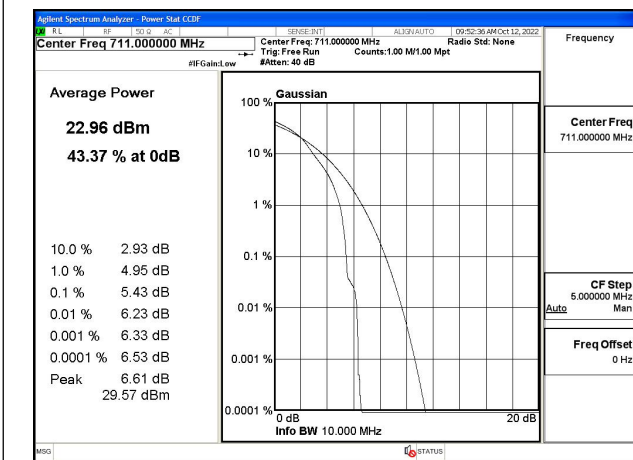


Fig.45

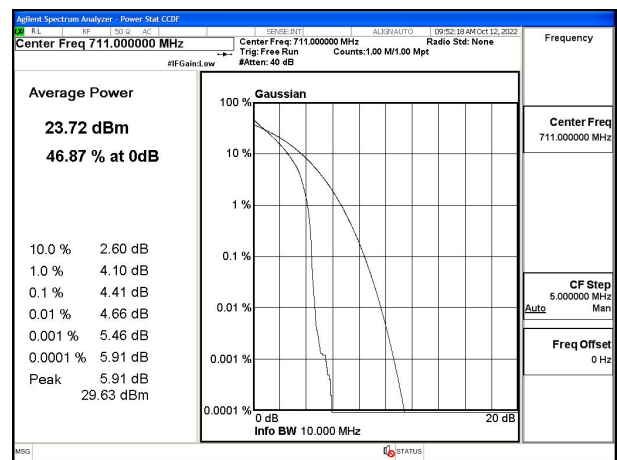


Fig.46

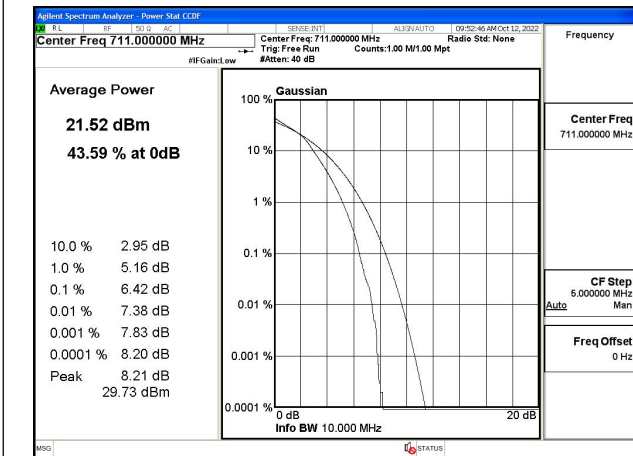


Fig.47

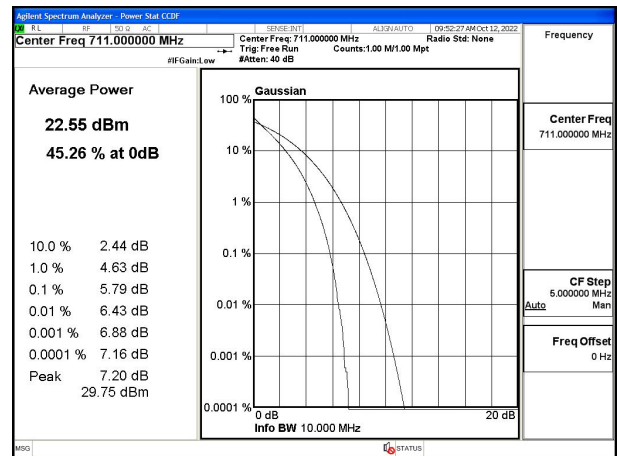


Fig.48

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
12	707.5	23095	10	1	0	Fig.2
12	711	23130	10	1	0	Fig.3

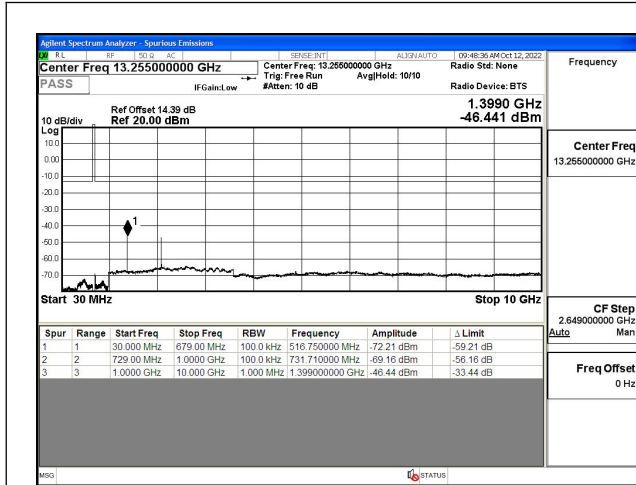


Fig.1

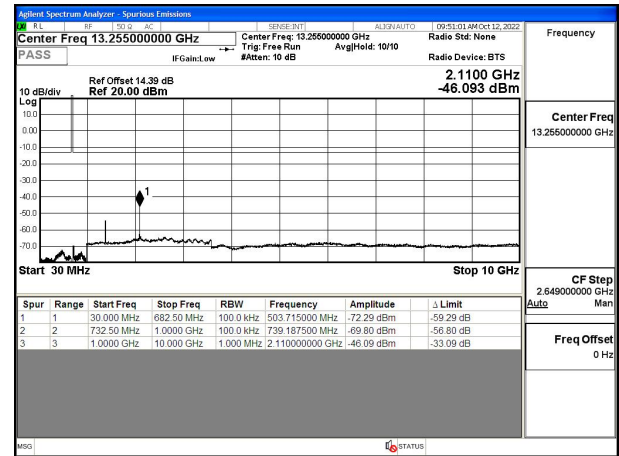


Fig.2

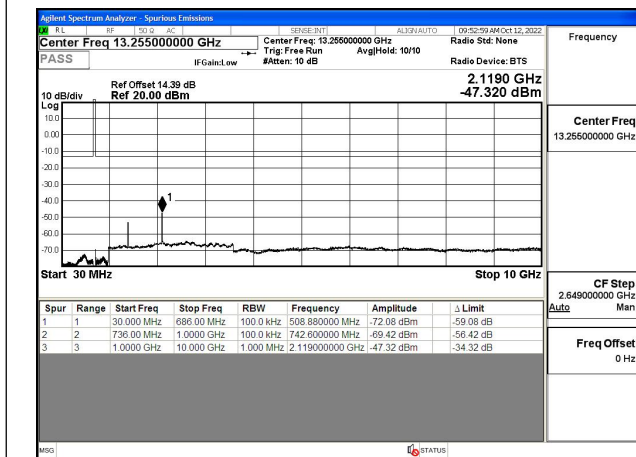


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
12	QPSK	699.7	23017	1.4	1	0	Fig.1
12	QPSK	699.7	23017	1.4	6	0	Fig.2
12	QPSK	715.3	23173	1.4	1	5	Fig.3
12	QPSK	715.3	23173	1.4	6	0	Fig.4
12	QPSK	700.5	23025	3	1	0	Fig.5
12	QPSK	700.5	23025	3	15	0	Fig.6
12	QPSK	714.5	23165	3	1	14	Fig.7
12	QPSK	714.5	23165	3	15	0	Fig.8
12	QPSK	701.5	23035	5	1	0	Fig.9
12	QPSK	701.5	23035	5	25	0	Fig.10
12	QPSK	713.5	23155	5	1	24	Fig.11
12	QPSK	713.5	23155	5	25	0	Fig.12
12	QPSK	704	23060	10	1	0	Fig.13
12	QPSK	704	23060	10	50	0	Fig.14
12	QPSK	711	23130	10	1	49	Fig.15
12	QPSK	711	23130	10	50	0	Fig.16

Test Mode: QPSK

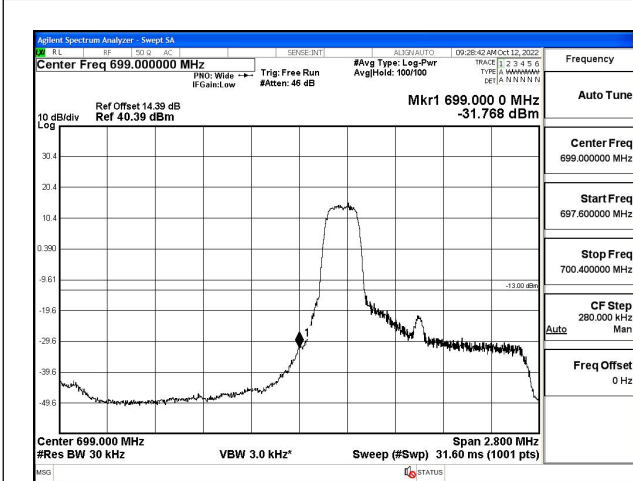


Fig.1

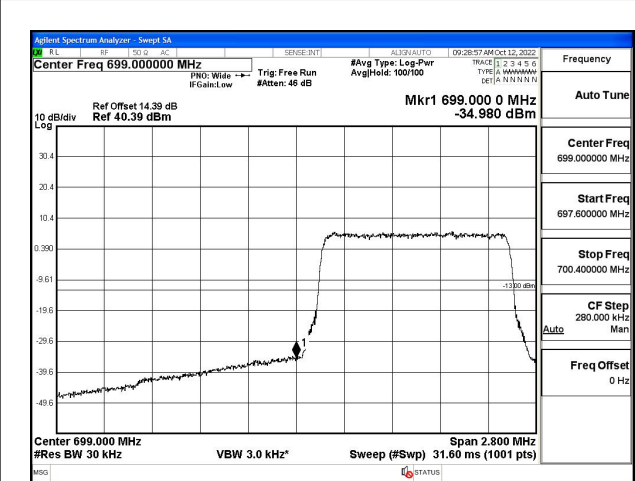


Fig.2

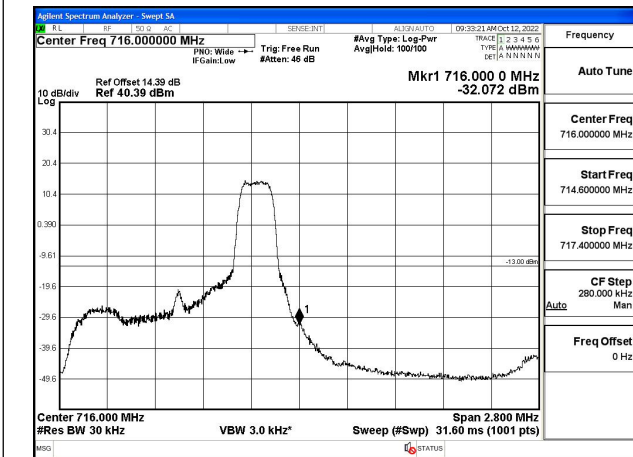


Fig.3

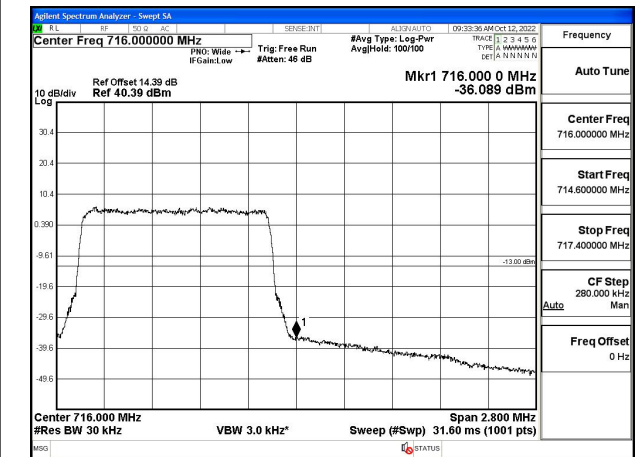


Fig.4

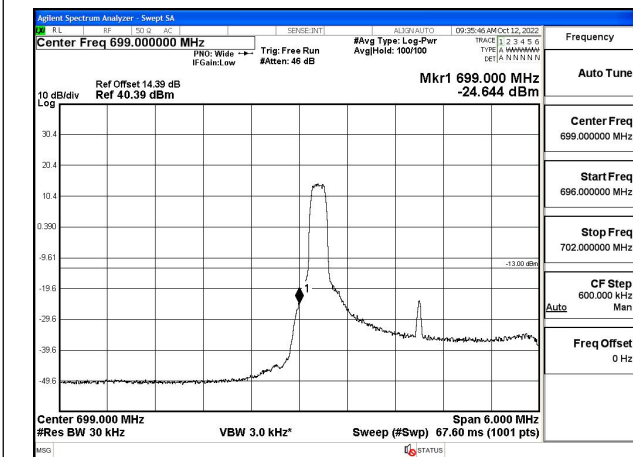


Fig.5

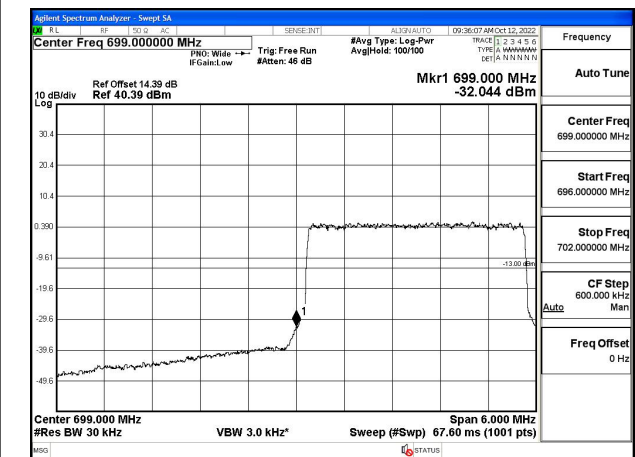


Fig.6

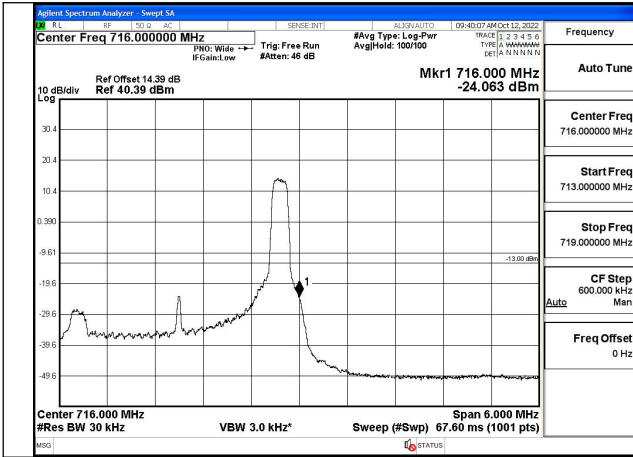


Fig.7

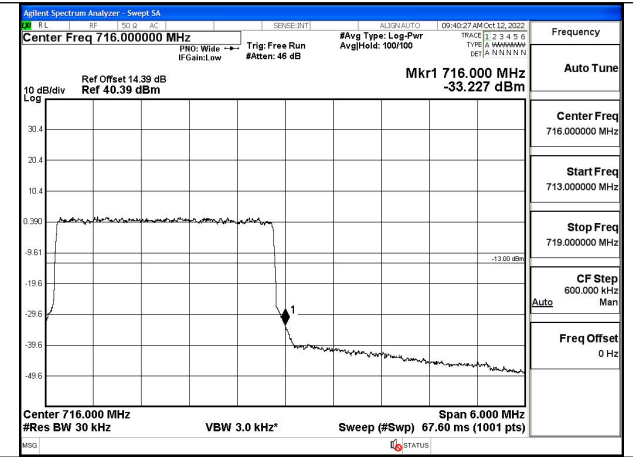


Fig.8

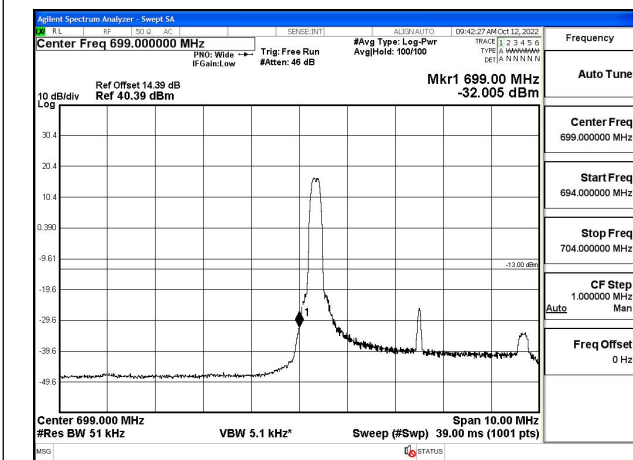


Fig.9

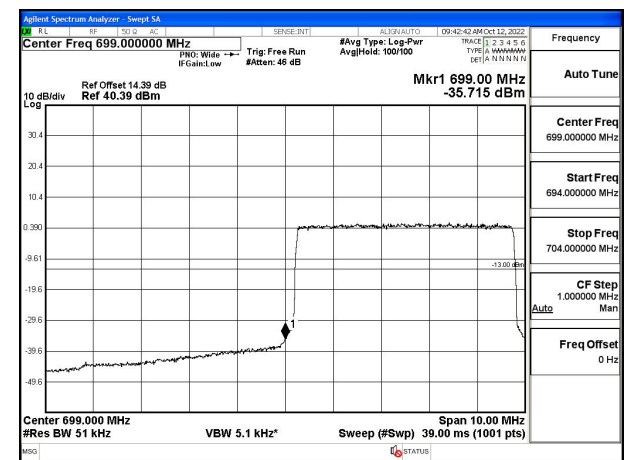


Fig.10

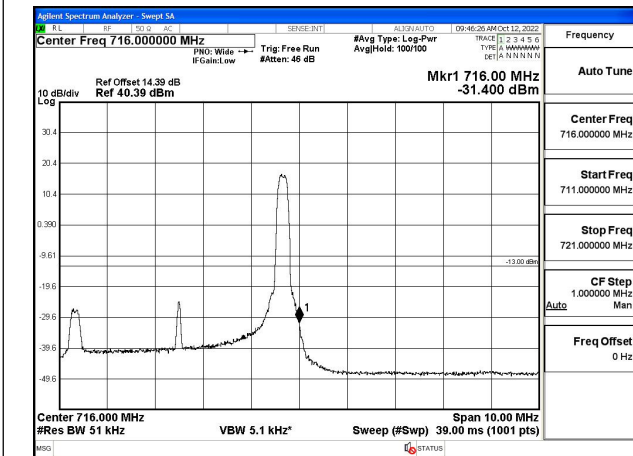


Fig.11

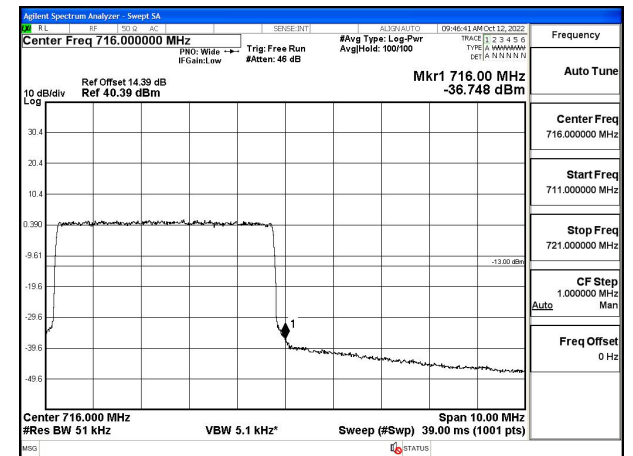


Fig.12

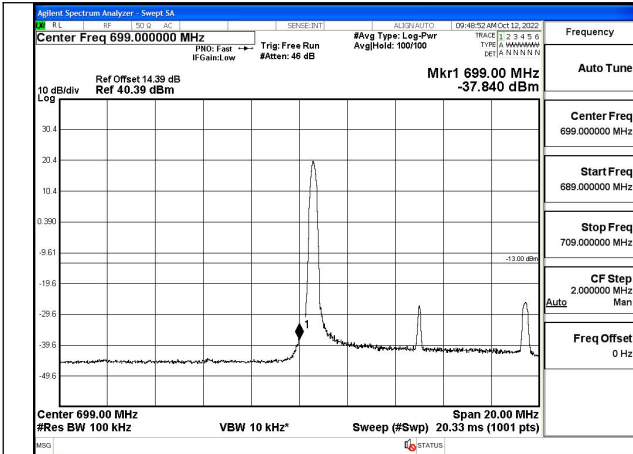


Fig. 13

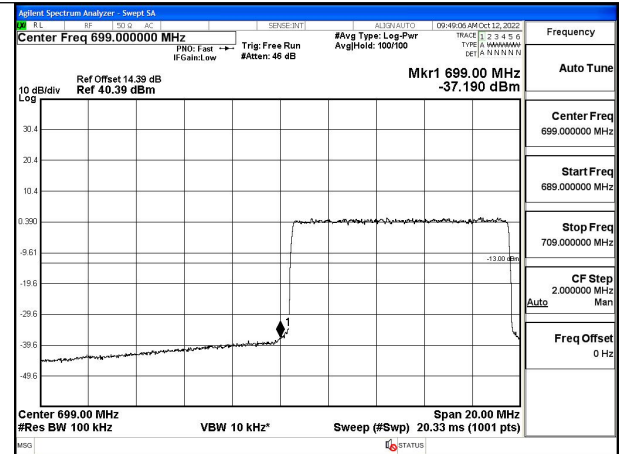


Fig. 14

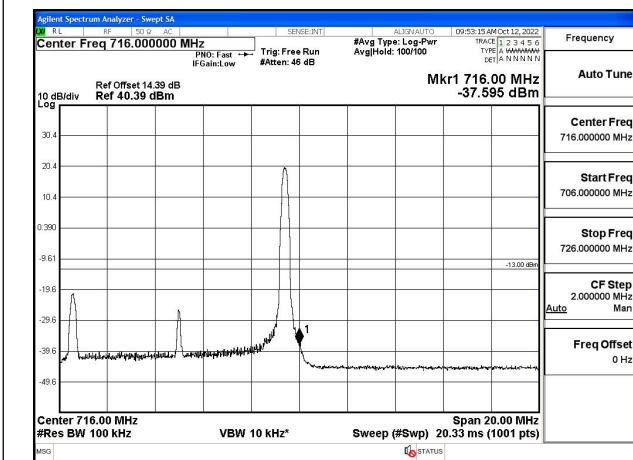


Fig. 15

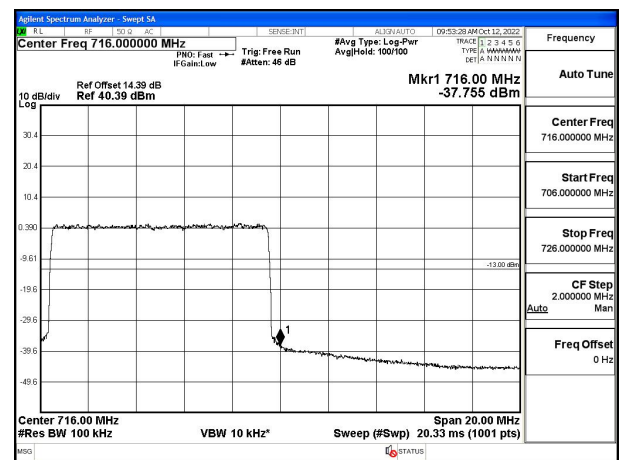


Fig. 16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.003	-0.002	-0.004	0.003
-10	NV	0.002	0.003	-0.008	-0.002
0	NV	0.007	-0.005	0.006	-0.001
+10	NV	0.003	-0.004	0.008	0.008
+20	NV	0.005	0.008	0.004	-0.004
+30	NV	-0.004	0.014	-0.006	0.006
+40	NV	0.002	-0.005	-0.003	-0.004
+50	NV	0.005	-0.001	-0.007	-0.002
+60	NV	-0.003	0.006	-0.007	-0.005
+20	LV	0.004	-0.004	0.007	-0.005
+20	HV	-0.006	-0.003	0.010	0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.011	0.005	-0.002	-0.007
-10	NV	0.004	0.006	0.010	-0.006
0	NV	0.016	0.003	-0.008	0.011
+10	NV	0.004	0.007	-0.005	-0.004
+20	NV	0.007	0.005	-0.009	-0.008
+30	NV	-0.004	0.009	0.009	-0.004
+40	NV	0.004	-0.005	0.006	0.004
+50	NV	-0.011	0.002	-0.002	0.007
+60	NV	-0.007	0.010	0.008	-0.004
+20	LV	0.003	-0.007	-0.002	-0.007
+20	HV	0.008	0.007	-0.004	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	699.7	23017	1.4	1	0	22.85	17.14	0.052
QPSK	699.7	23017	1.4	1	3	23.06	17.35	0.054
QPSK	699.7	23017	1.4	1	5	23.13	17.42	0.055
QPSK	699.7	23017	1.4	3	0	23.22	17.51	0.056
QPSK	699.7	23017	1.4	3	1	23.24	17.53	0.057
QPSK	699.7	23017	1.4	3	3	23.24	17.53	0.057
QPSK	699.7	23017	1.4	6	0	22.33	16.62	0.046
QPSK	707.5	23095	1.4	1	0	23.26	17.55	0.057
QPSK	707.5	23095	1.4	1	3	23.47	17.76	0.060
QPSK	707.5	23095	1.4	1	5	23.31	17.60	0.058
QPSK	707.5	23095	1.4	3	0	23.30	17.59	0.057
QPSK	707.5	23095	1.4	3	1	23.38	17.67	0.058
QPSK	707.5	23095	1.4	3	3	23.27	17.56	0.057
QPSK	707.5	23095	1.4	6	0	22.19	16.48	0.044
QPSK	715.3	23173	1.4	1	0	23.40	17.69	0.059
QPSK	715.3	23173	1.4	1	3	23.35	17.64	0.058
QPSK	715.3	23173	1.4	1	5	23.26	17.55	0.057
QPSK	715.3	23173	1.4	3	0	23.31	17.60	0.058
QPSK	715.3	23173	1.4	3	1	23.41	17.70	0.059
QPSK	715.3	23173	1.4	3	3	23.23	17.52	0.056
QPSK	715.3	23173	1.4	6	0	22.26	16.55	0.045

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	699.7	23017	1.4	1	0	22.55	16.84	0.048
16QAM	699.7	23017	1.4	1	3	22.62	16.91	0.049
16QAM	699.7	23017	1.4	1	5	22.54	16.83	0.048
16QAM	699.7	23017	1.4	3	0	22.48	16.77	0.048
16QAM	699.7	23017	1.4	3	1	22.71	17.00	0.050
16QAM	699.7	23017	1.4	3	3	22.46	16.75	0.047
16QAM	699.7	23017	1.4	6	0	20.68	14.97	0.031
16QAM	707.5	23095	1.4	1	0	22.39	16.68	0.047
16QAM	707.5	23095	1.4	1	3	22.63	16.92	0.049
16QAM	707.5	23095	1.4	1	5	23.10	17.39	0.055
16QAM	707.5	23095	1.4	3	0	22.70	16.99	0.050
16QAM	707.5	23095	1.4	3	1	22.68	16.97	0.050
16QAM	707.5	23095	1.4	3	3	22.88	17.17	0.052
16QAM	707.5	23095	1.4	6	0	21.00	15.29	0.034
16QAM	715.3	23173	1.4	1	0	22.49	16.78	0.048
16QAM	715.3	23173	1.4	1	3	22.37	16.66	0.046
16QAM	715.3	23173	1.4	1	5	22.34	16.63	0.046
16QAM	715.3	23173	1.4	3	0	22.51	16.80	0.048
16QAM	715.3	23173	1.4	3	1	22.43	16.72	0.047
16QAM	715.3	23173	1.4	3	3	22.29	16.58	0.045
16QAM	715.3	23173	1.4	6	0	21.37	15.66	0.037

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	23.36	17.65	0.058
QPSK	700.5	23025	3	1	8	23.35	17.64	0.058
QPSK	700.5	23025	3	1	14	23.40	17.69	0.059
QPSK	700.5	23025	3	8	0	22.26	16.55	0.045
QPSK	700.5	23025	3	8	4	22.09	16.38	0.043
QPSK	700.5	23025	3	8	7	22.34	16.63	0.046
QPSK	700.5	23025	3	15	0	22.19	16.48	0.044
QPSK	707.5	23095	3	1	0	23.23	17.52	0.056
QPSK	707.5	23095	3	1	8	23.41	17.70	0.059
QPSK	707.5	23095	3	1	14	23.30	17.59	0.057
QPSK	707.5	23095	3	8	0	22.29	16.58	0.045
QPSK	707.5	23095	3	8	4	22.28	16.57	0.045
QPSK	707.5	23095	3	8	7	22.20	16.49	0.045
QPSK	707.5	23095	3	15	0	22.38	16.67	0.046
QPSK	714.5	23165	3	1	0	23.35	17.64	0.058
QPSK	714.5	23165	3	1	8	23.33	17.62	0.058
QPSK	714.5	23165	3	1	14	23.23	17.52	0.056
QPSK	714.5	23165	3	8	0	22.32	16.61	0.046
QPSK	714.5	23165	3	8	4	22.29	16.58	0.045
QPSK	714.5	23165	3	8	7	22.26	16.55	0.045
QPSK	714.5	23165	3	15	0	22.36	16.65	0.046

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	700.5	23025	3	1	0	22.43	16.72	0.047
16QAM	700.5	23025	3	1	8	23.12	17.41	0.055
16QAM	700.5	23025	3	1	14	22.64	16.93	0.049
16QAM	700.5	23025	3	8	0	21.40	15.69	0.037
16QAM	700.5	23025	3	8	4	21.30	15.59	0.036
16QAM	700.5	23025	3	8	7	21.52	15.81	0.038
16QAM	700.5	23025	3	15	0	21.31	15.60	0.036
16QAM	707.5	23095	3	1	0	22.54	16.83	0.048
16QAM	707.5	23095	3	1	8	22.97	17.26	0.053
16QAM	707.5	23095	3	1	14	23.11	17.40	0.055
16QAM	707.5	23095	3	8	0	21.49	15.78	0.038
16QAM	707.5	23095	3	8	4	21.57	15.86	0.039
16QAM	707.5	23095	3	8	7	21.51	15.80	0.038
16QAM	707.5	23095	3	15	0	21.55	15.84	0.038
16QAM	714.5	23165	3	1	0	22.47	16.76	0.047
16QAM	714.5	23165	3	1	8	22.47	16.76	0.047
16QAM	714.5	23165	3	1	14	22.77	17.06	0.051
16QAM	714.5	23165	3	8	0	21.42	15.71	0.037
16QAM	714.5	23165	3	8	4	21.44	15.73	0.037
16QAM	714.5	23165	3	8	7	21.39	15.68	0.037
16QAM	714.5	23165	3	15	0	21.54	15.83	0.038

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	23.26	17.55	0.057
QPSK	701.5	23035	5	1	12	23.24	17.53	0.057
QPSK	701.5	23035	5	1	24	23.37	17.66	0.058
QPSK	701.5	23035	5	12	0	22.11	16.40	0.044
QPSK	701.5	23035	5	12	7	22.20	16.49	0.045
QPSK	701.5	23035	5	12	13	22.35	16.64	0.046
QPSK	701.5	23035	5	25	0	22.33	16.62	0.046
QPSK	707.5	23095	5	1	0	23.34	17.63	0.058
QPSK	707.5	23095	5	1	12	23.24	17.53	0.057
QPSK	707.5	23095	5	1	24	23.34	17.63	0.058
QPSK	707.5	23095	5	12	0	22.39	16.68	0.047
QPSK	707.5	23095	5	12	7	22.34	16.63	0.046
QPSK	707.5	23095	5	12	13	22.21	16.50	0.045
QPSK	707.5	23095	5	25	0	22.33	16.62	0.046
QPSK	713.5	23155	5	1	0	23.53	17.82	0.061
QPSK	713.5	23155	5	1	12	23.56	17.85	0.061
QPSK	713.5	23155	5	1	24	23.53	17.82	0.061
QPSK	713.5	23155	5	12	0	22.23	16.52	0.045
QPSK	713.5	23155	5	12	7	22.31	16.60	0.046
QPSK	713.5	23155	5	12	13	22.16	16.45	0.044
QPSK	713.5	23155	5	25	0	22.31	16.60	0.046

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	701.5	23035	5	1	0	22.48	16.77	0.048
16QAM	701.5	23035	5	1	12	23.19	17.48	0.056
16QAM	701.5	23035	5	1	24	22.91	17.20	0.052
16QAM	701.5	23035	5	12	0	21.30	15.59	0.036
16QAM	701.5	23035	5	12	7	21.43	15.72	0.037
16QAM	701.5	23035	5	12	13	21.28	15.57	0.036
16QAM	701.5	23035	5	25	0	21.30	15.59	0.036
16QAM	707.5	23095	5	1	0	23.17	17.46	0.056
16QAM	707.5	23095	5	1	12	23.03	17.32	0.054
16QAM	707.5	23095	5	1	24	23.06	17.35	0.054
16QAM	707.5	23095	5	12	0	21.16	15.45	0.035
16QAM	707.5	23095	5	12	7	21.42	15.71	0.037
16QAM	707.5	23095	5	12	13	21.22	15.51	0.036
16QAM	707.5	23095	5	25	0	21.32	15.61	0.036
16QAM	713.5	23155	5	1	0	22.44	16.73	0.047
16QAM	713.5	23155	5	1	12	22.97	17.26	0.053
16QAM	713.5	23155	5	1	24	22.54	16.83	0.048
16QAM	713.5	23155	5	12	0	21.34	15.63	0.037
16QAM	713.5	23155	5	12	7	21.29	15.58	0.036
16QAM	713.5	23155	5	12	13	21.33	15.62	0.036
16QAM	713.5	23155	5	25	0	21.33	15.62	0.036

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	23.41	17.70	0.059
QPSK	704	23060	10	1	25	23.39	17.68	0.059
QPSK	704	23060	10	1	49	23.35	17.64	0.058
QPSK	704	23060	10	25	0	22.26	16.55	0.045
QPSK	704	23060	10	25	12	22.39	16.68	0.047
QPSK	704	23060	10	25	25	22.45	16.74	0.047
QPSK	704	23060	10	50	0	22.22	16.51	0.045
QPSK	707.5	23095	10	1	0	23.63	17.92	0.062
QPSK	707.5	23095	10	1	25	23.63	17.92	0.062
QPSK	707.5	23095	10	1	49	23.50	17.79	0.060
QPSK	707.5	23095	10	25	0	22.42	16.71	0.047
QPSK	707.5	23095	10	25	12	22.27	16.56	0.045
QPSK	707.5	23095	10	25	25	22.30	16.59	0.046
QPSK	707.5	23095	10	50	0	22.32	16.61	0.046
QPSK	711	23130	10	1	0	23.31	17.60	0.058
QPSK	711	23130	10	1	25	23.46	17.75	0.060
QPSK	711	23130	10	1	49	23.20	17.49	0.056
QPSK	711	23130	10	25	0	22.38	16.67	0.046
QPSK	711	23130	10	25	12	22.33	16.62	0.046
QPSK	711	23130	10	25	25	22.26	16.55	0.045
QPSK	711	23130	10	50	0	22.24	16.53	0.045

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	704	23060	10	1	0	23.19	17.48	0.056
16QAM	704	23060	10	1	25	22.99	17.28	0.053
16QAM	704	23060	10	1	49	23.12	17.41	0.055
16QAM	704	23060	10	25	0	21.54	15.83	0.038
16QAM	704	23060	10	25	12	21.53	15.82	0.038
16QAM	704	23060	10	25	25	21.60	15.89	0.039
16QAM	704	23060	10	50	0	21.40	15.69	0.037
16QAM	707.5	23095	10	1	0	22.58	16.87	0.049
16QAM	707.5	23095	10	1	25	22.86	17.15	0.052
16QAM	707.5	23095	10	1	49	23.04	17.33	0.054
16QAM	707.5	23095	10	25	0	21.55	15.84	0.038
16QAM	707.5	23095	10	25	12	21.29	15.58	0.036
16QAM	707.5	23095	10	25	25	21.65	15.94	0.039
16QAM	707.5	23095	10	50	0	21.51	15.80	0.038
16QAM	711	23130	10	1	0	22.62	16.91	0.049
16QAM	711	23130	10	1	25	22.37	16.66	0.046
16QAM	711	23130	10	1	49	22.55	16.84	0.048
16QAM	711	23130	10	25	0	21.24	15.53	0.036
16QAM	711	23130	10	25	12	21.42	15.71	0.037
16QAM	711	23130	10	25	25	21.36	15.65	0.037
16QAM	711	23130	10	50	0	21.49	15.78	0.038