Test Mode: QPSK

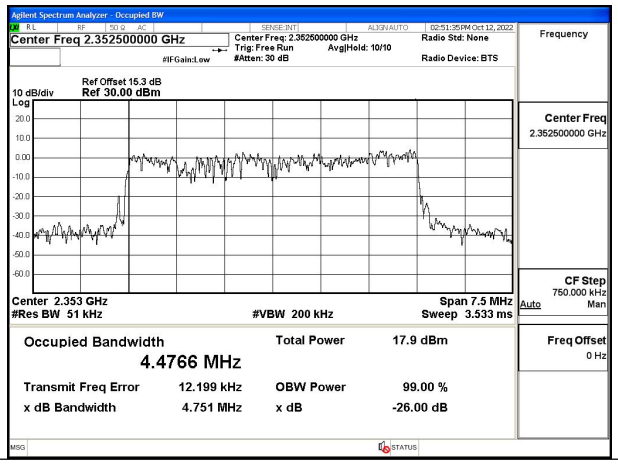

Fig.1

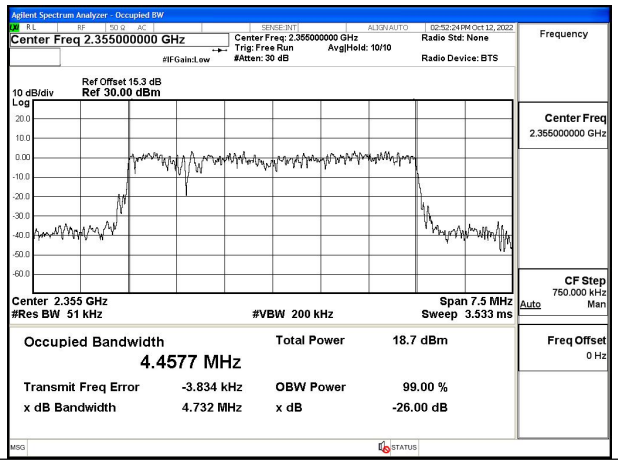

Fig.2

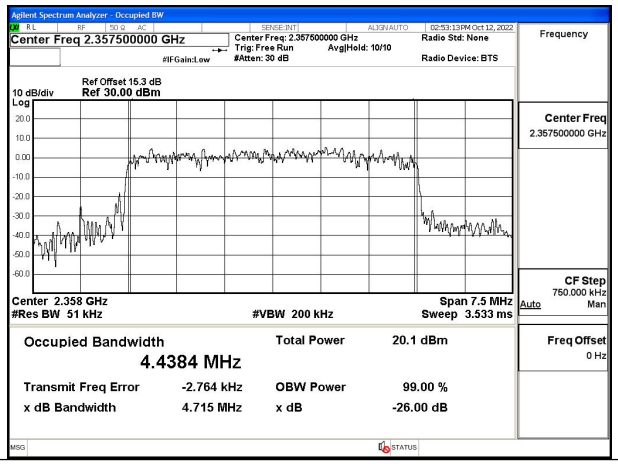

Fig.3

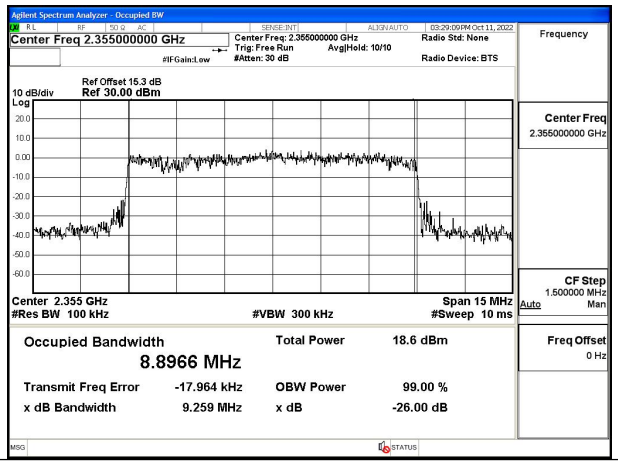

Fig.4

Test Mode: 16QAM

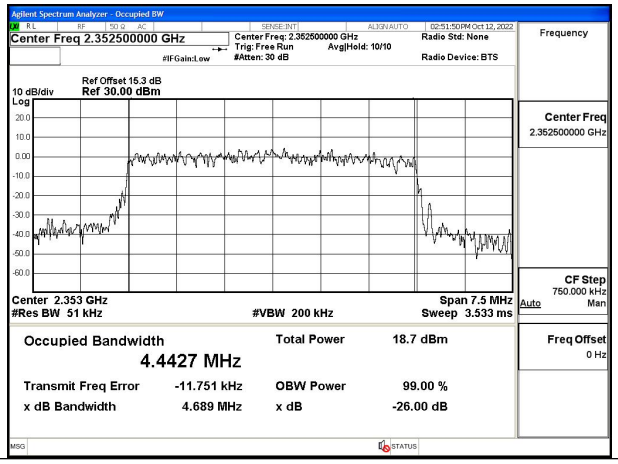

Fig.7

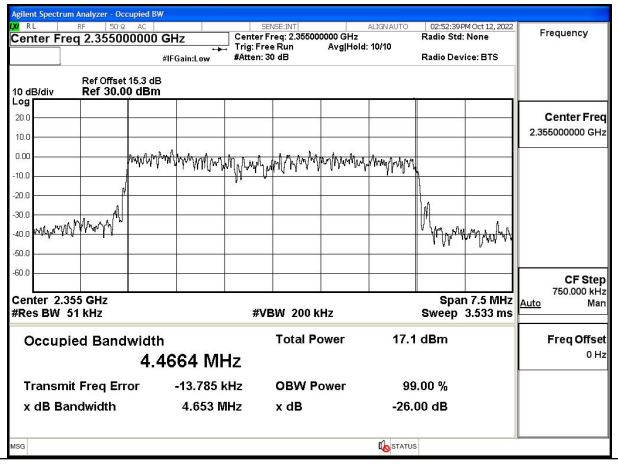

Fig.8

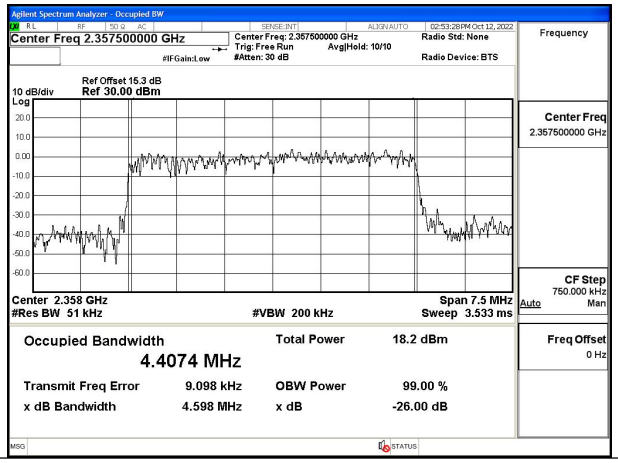

Fig.9

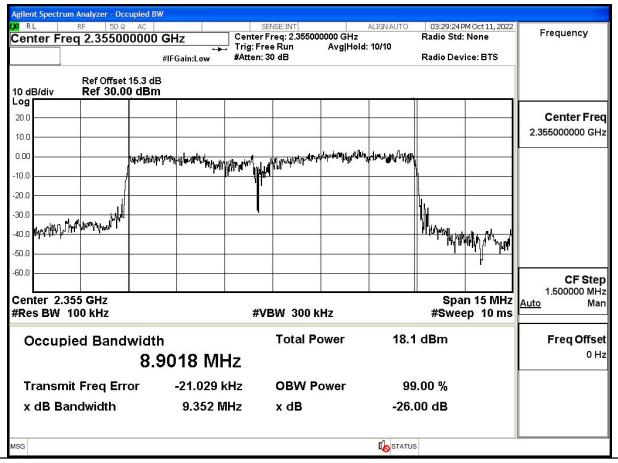

Fig.10

Test Mode: 64QAM

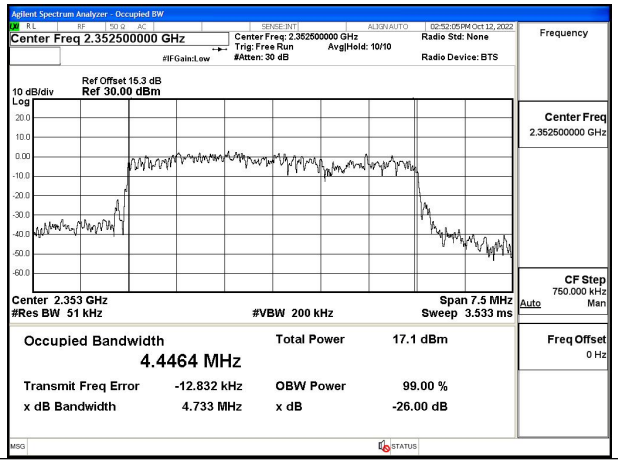

Fig.13

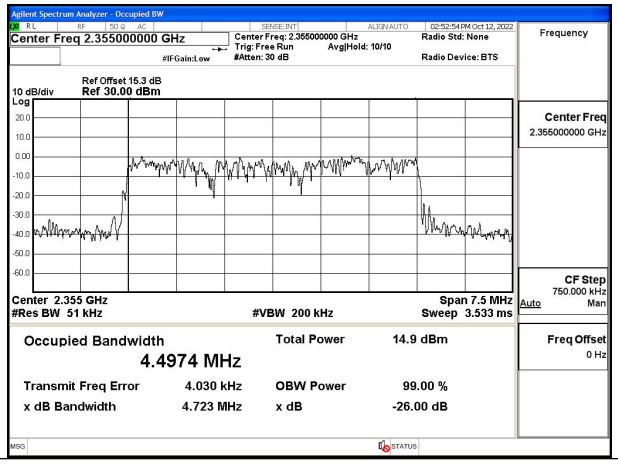

Fig.14

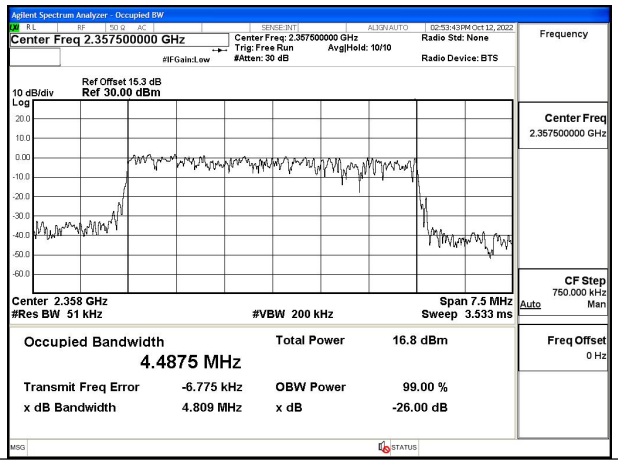

Fig.15

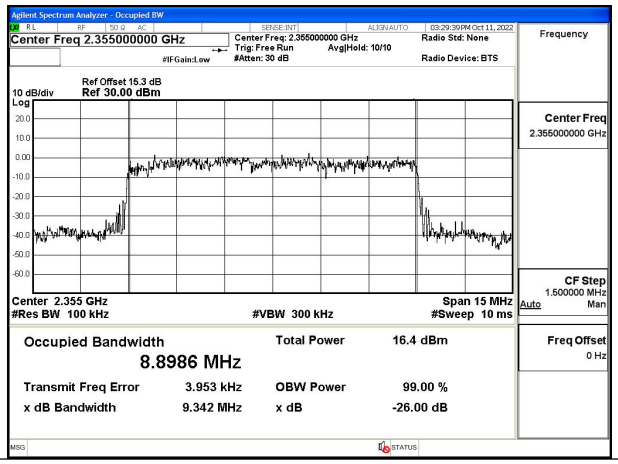

Fig.16

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	QPSK	2352.5	39175	5	25	0	4.751	Fig.1
40	QPSK	2355	39200	5	25	0	4.732	Fig.2
40	QPSK	2357.5	39225	5	25	0	4.715	Fig.3
40	QPSK	2355	39200	10	50	0	9.259	Fig.4

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	16QAM	2352.5	39175	5	25	0	4.689	Fig.7
40	16QAM	2355	39200	5	25	0	4.653	Fig.8
40	16QAM	2357.5	39225	5	25	0	4.598	Fig.9
40	16QAM	2355	39200	10	50	0	9.352	Fig.10

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	64QAM	2352.5	39175	5	25	0	4.733	Fig.13
40	64QAM	2355	39200	5	25	0	4.723	Fig.14
40	64QAM	2357.5	39225	5	25	0	4.809	Fig.15
40	64QAM	2355	39200	10	50	0	9.342	Fig.16

Test Mode: QPSK

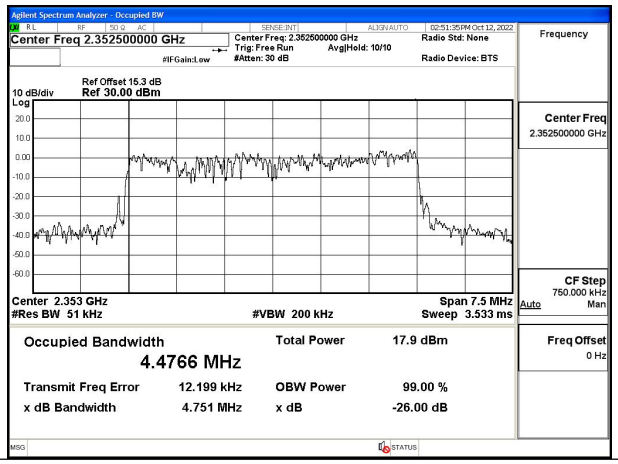

Fig.1

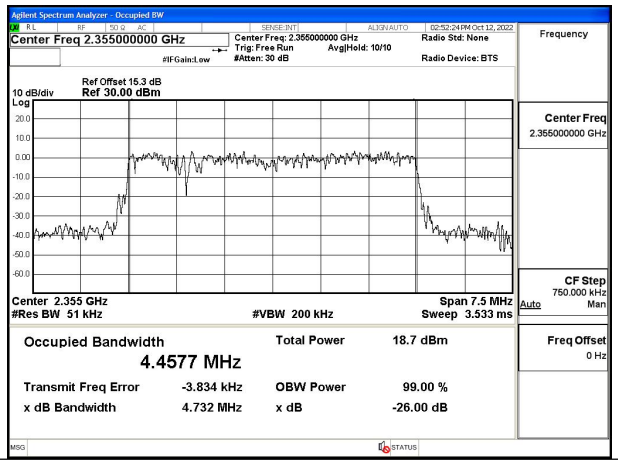

Fig.2

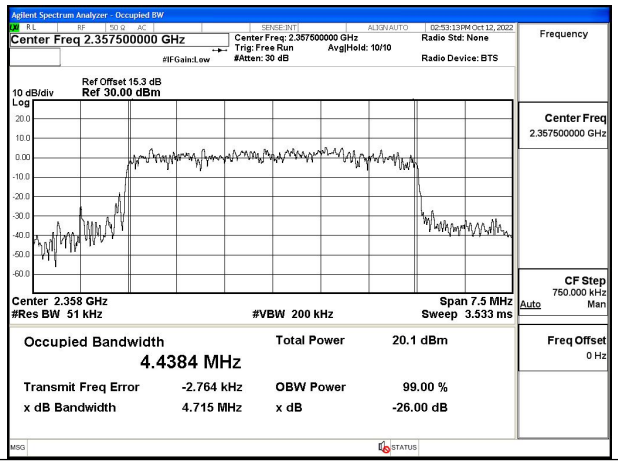

Fig.3

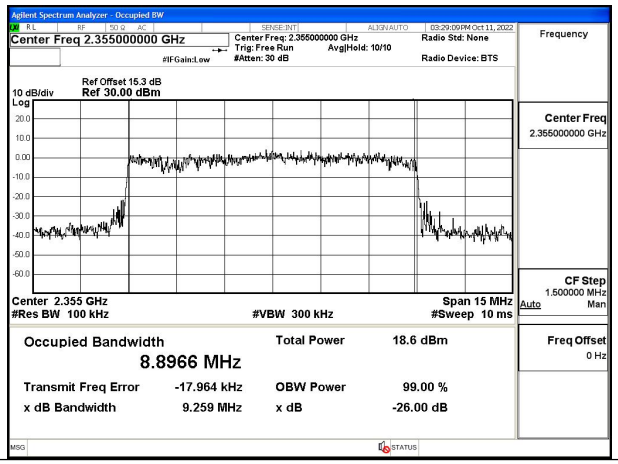

Fig.4

Test Mode: 16QAM

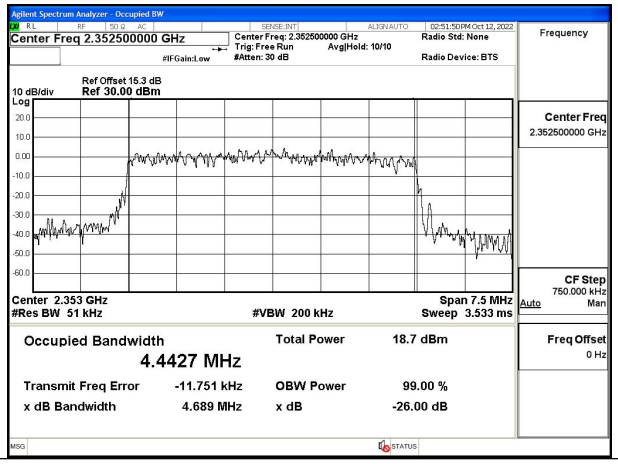

Fig.7

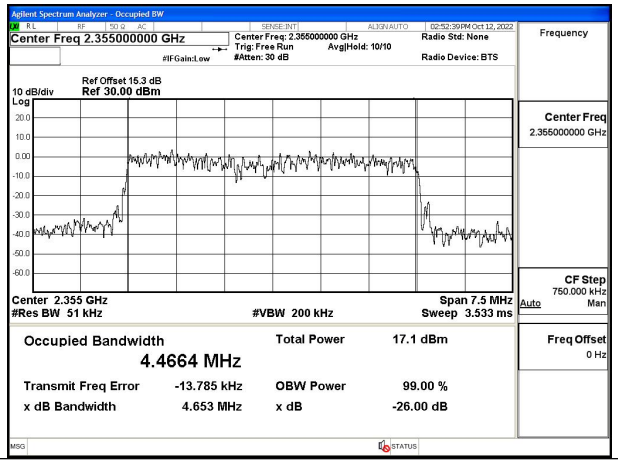

Fig.8

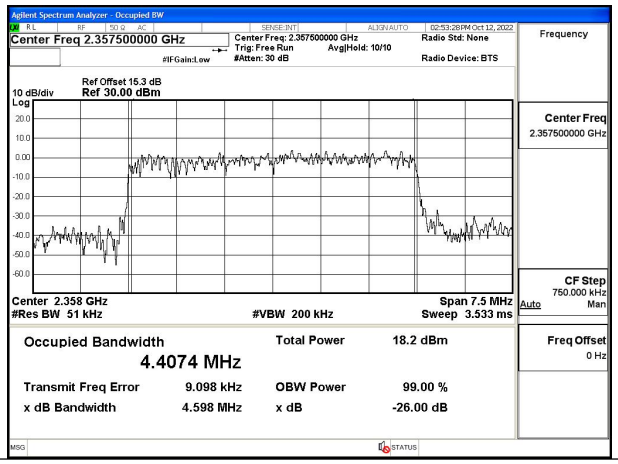

Fig.9

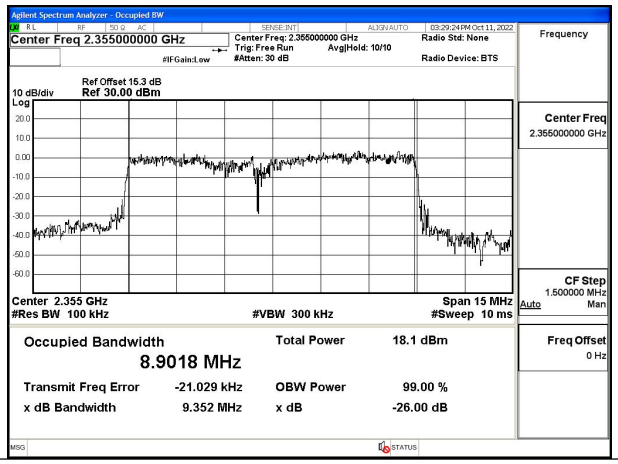

Fig.10

Test Mode: 64QAM

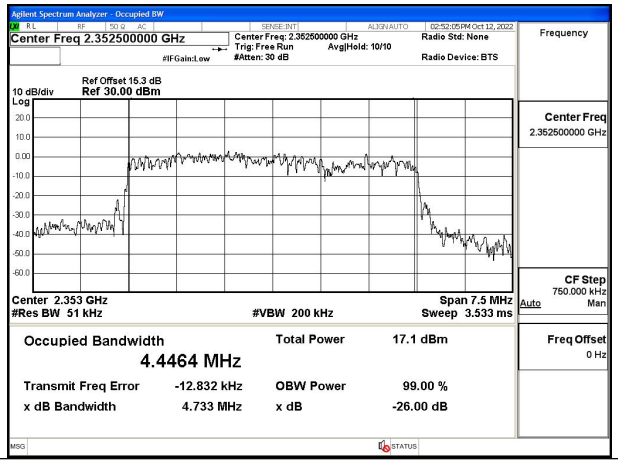

Fig.13

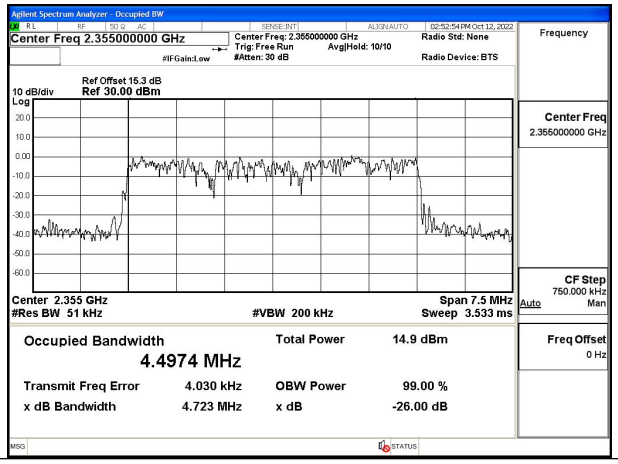

Fig.14

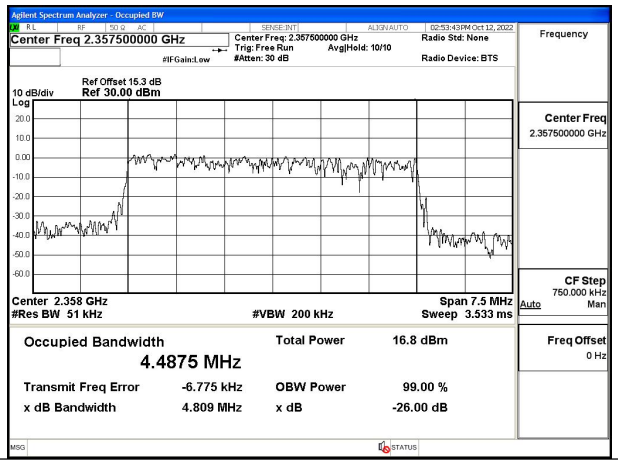

Fig.15

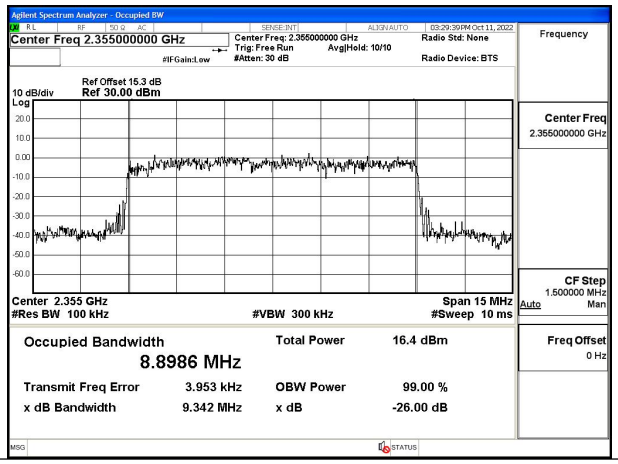

Fig.16

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
40	2352.5	39175	5	1	24	Fig.1	Fig.2	Fig.3
40	2352.5	39175	5	25	0	Fig.4	Fig.5	Fig.6
40	2355	39200	5	1	24	Fig.7	Fig.8	Fig.9
40	2355	39200	5	25	0	Fig.10	Fig.11	Fig.12
40	2357.5	39225	5	1	24	Fig.13	Fig.14	Fig.15
40	2357.5	39225	5	25	0	Fig.16	Fig.17	Fig.18
40	2355	39200	10	1	49	Fig.19	Fig.20	Fig.21
40	2355	39200	10	50	0	Fig.22	Fig.23	Fig.24

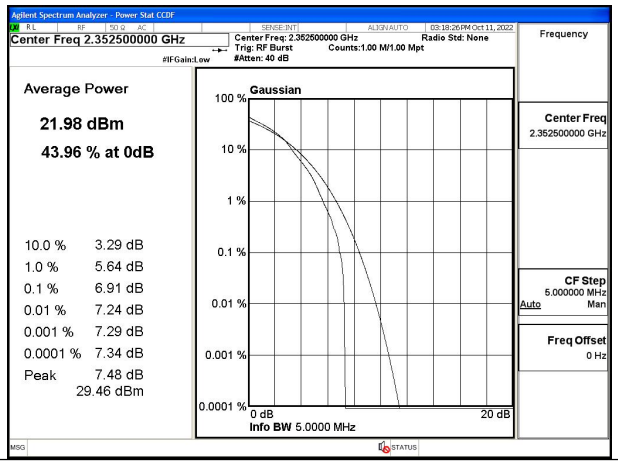

Fig.1

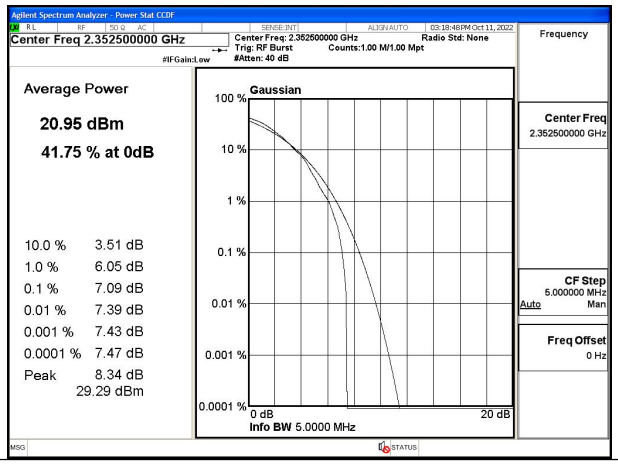

Fig.2

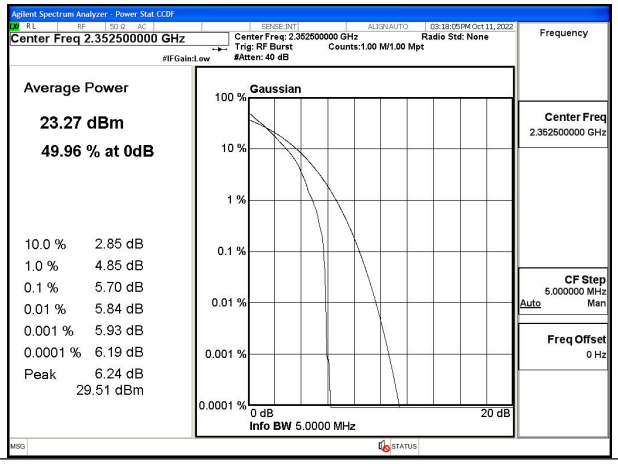

Fig.3

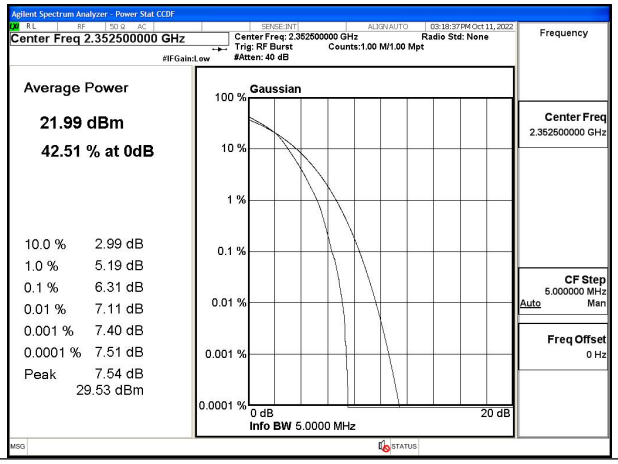

Fig.4

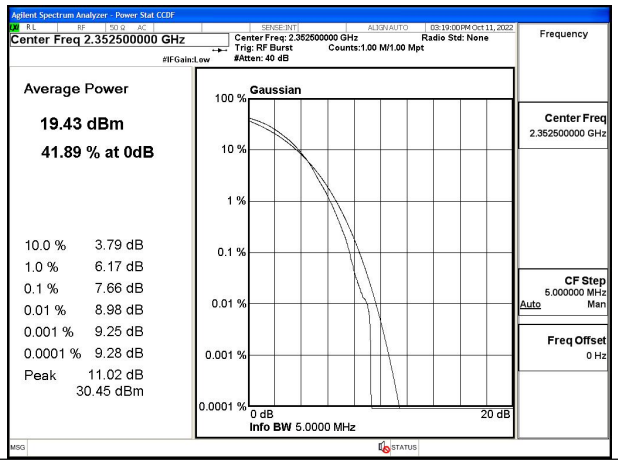

Fig.5

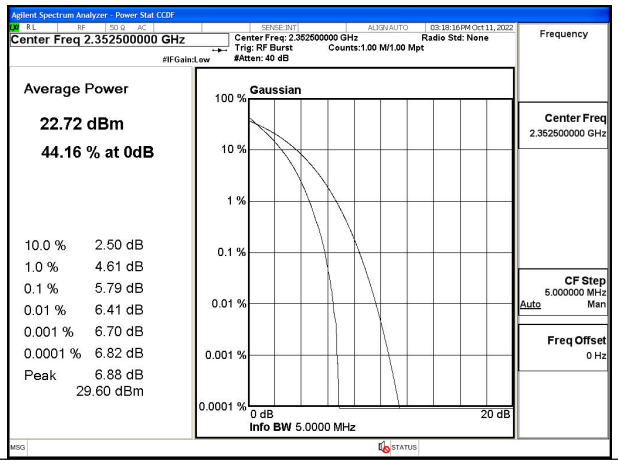

Fig.6

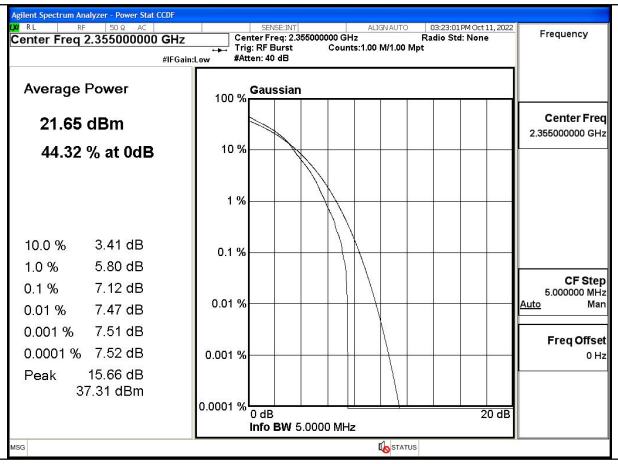

Fig.7

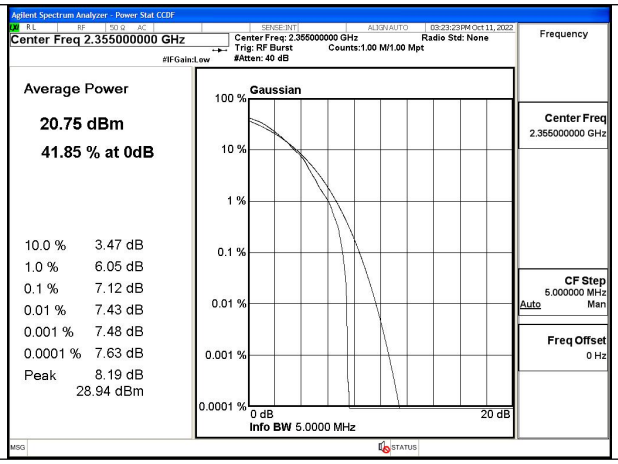

Fig.8

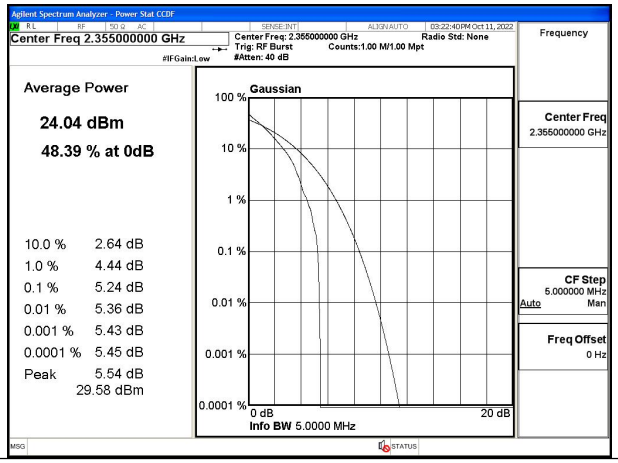

Fig.9

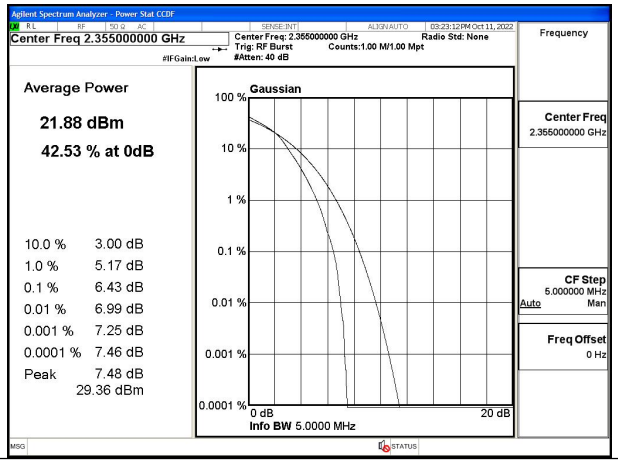

Fig.10

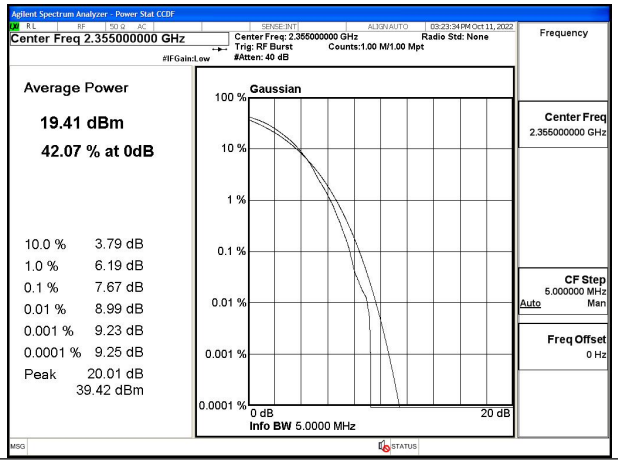

Fig.11

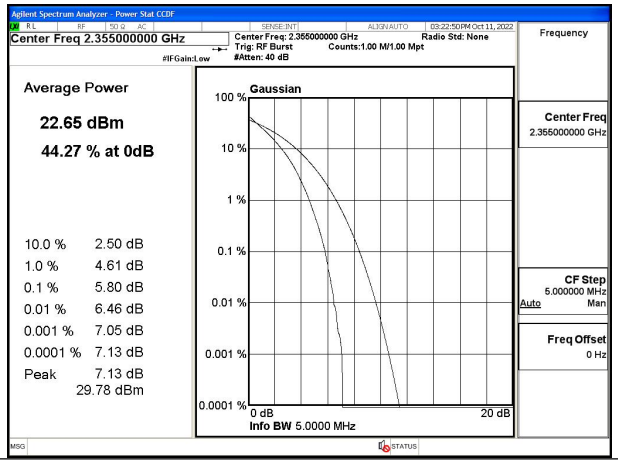

Fig.12

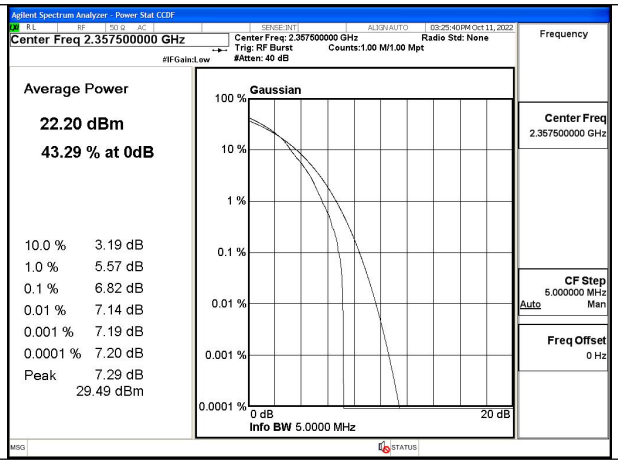

Fig.13

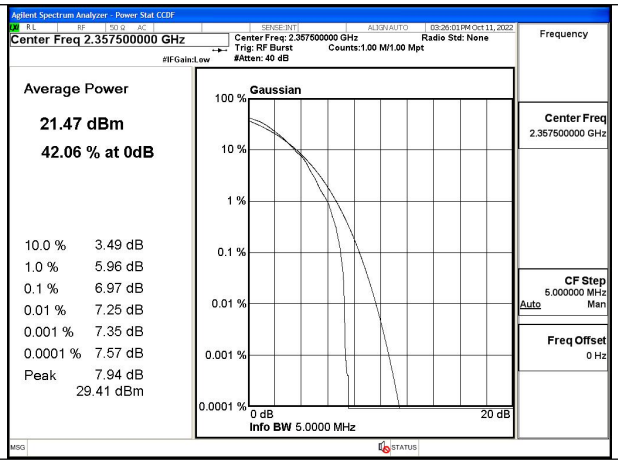

Fig.14

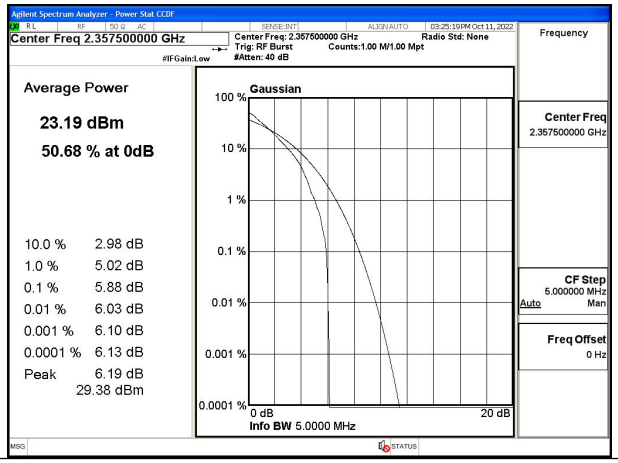

Fig.15

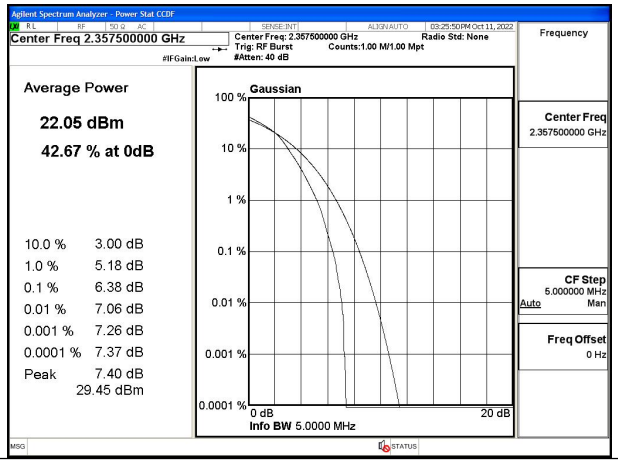

Fig.16

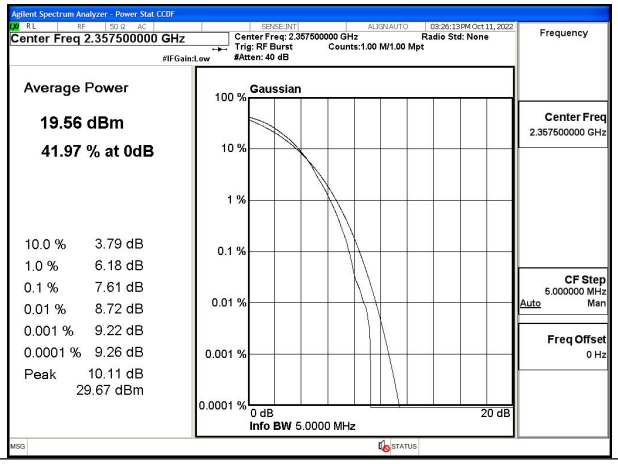

Fig.17

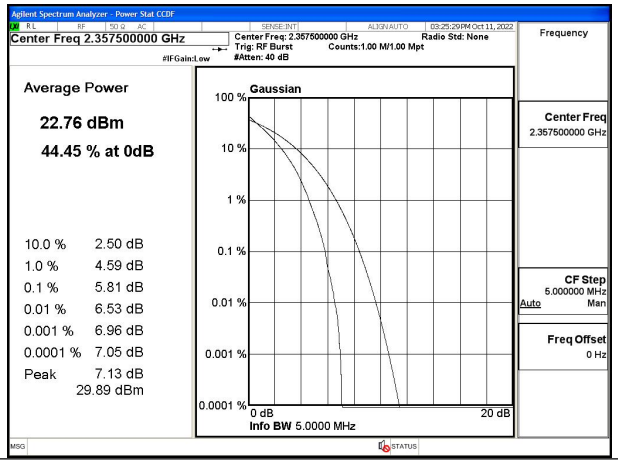

Fig.18

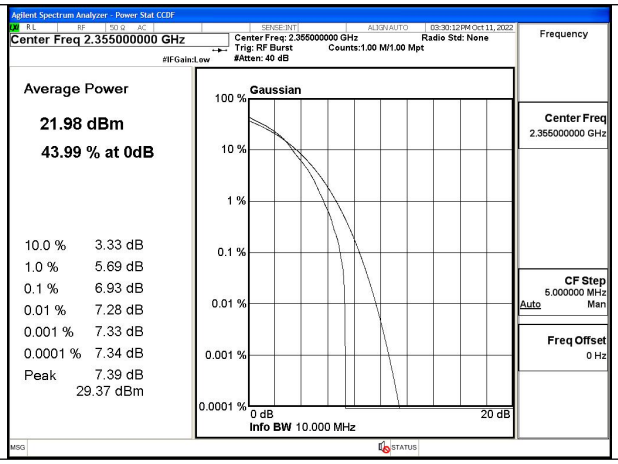

Fig.19

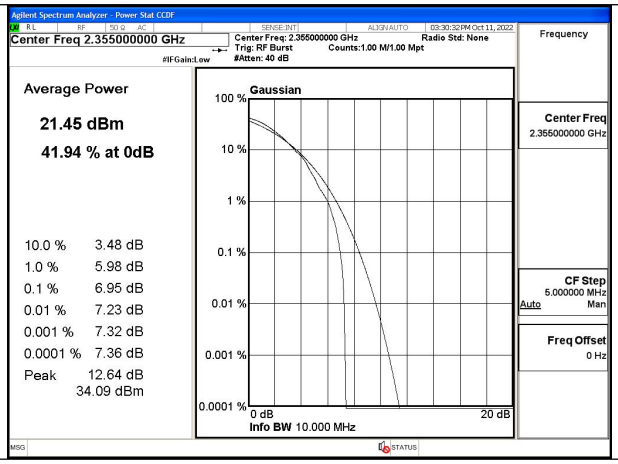

Fig.20

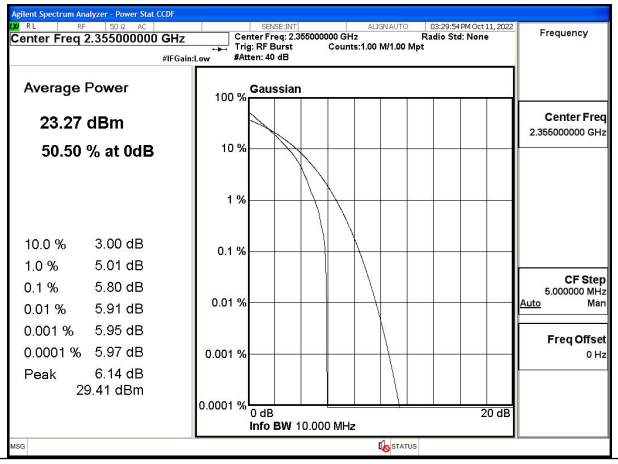

Fig.21

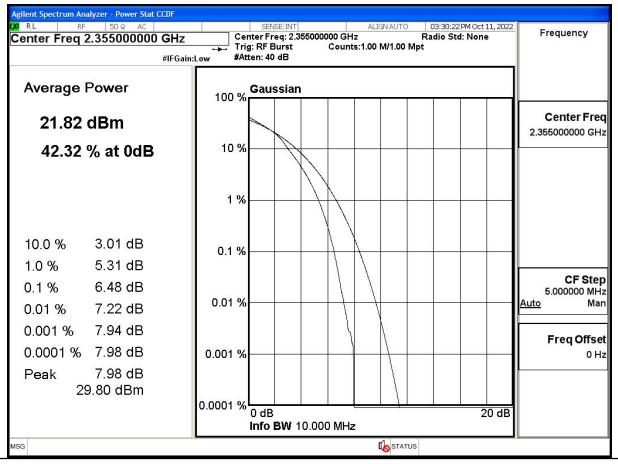

Fig.22

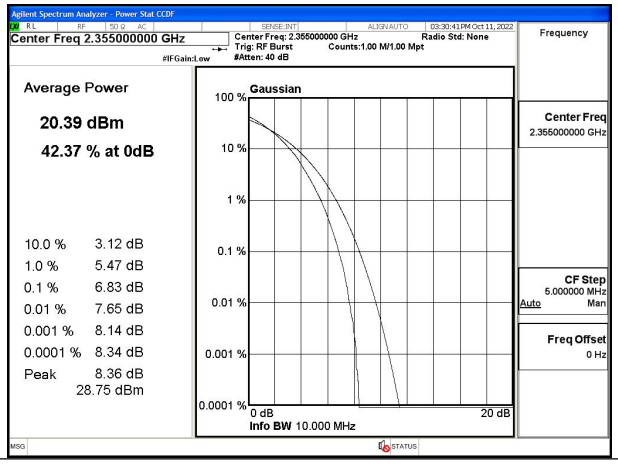

Fig.23

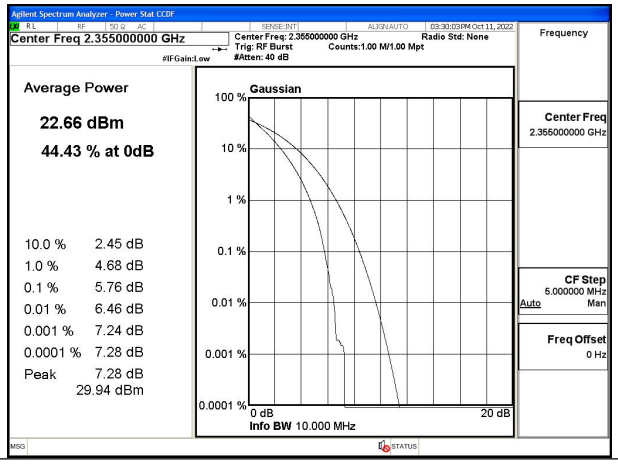

Fig.24

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
40	2355	39200	10	1	0	Fig.1

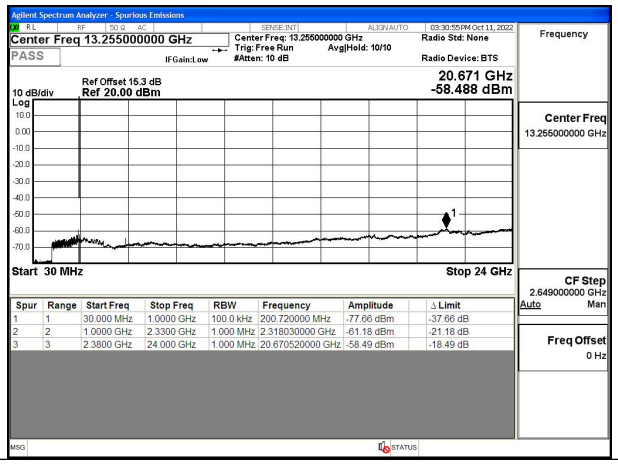

Fig.1

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
40	QPSK	2352.5	39175	5	1	0	Fig.1
40	QPSK	2352.5	39175	5	25	0	Fig.2
40	QPSK	2357.5	39225	5	1	24	Fig.3
40	QPSK	2357.5	39225	5	25	0	Fig.4
40	QPSK	2355	39200	10	1	0	Fig.5
40	QPSK	2355	39200	10	50	0	Fig.6
40	QPSK	2355	39200	10	1	49	Fig.7

Test Mode: QPSK

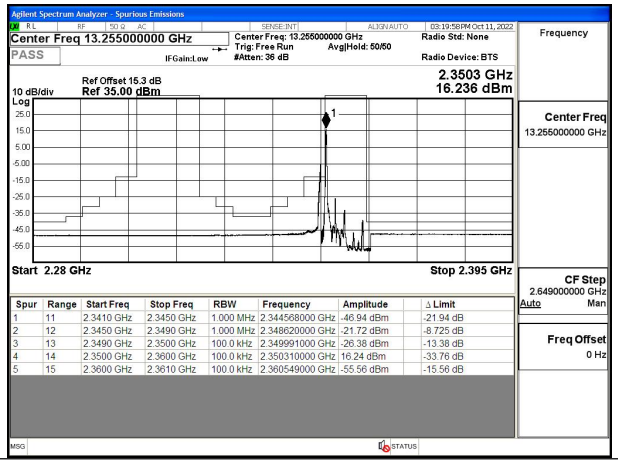

Fig.1

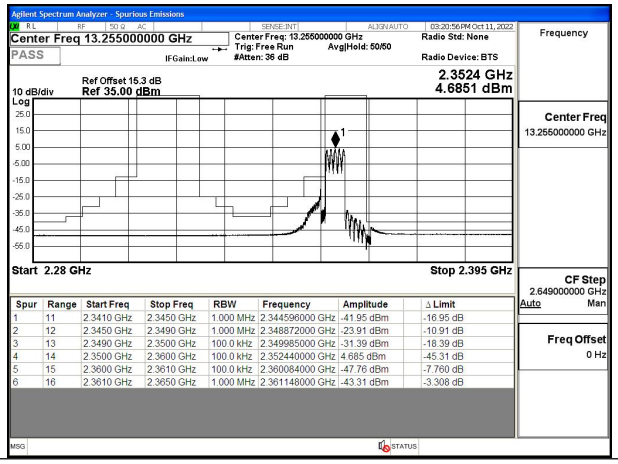

Fig.2

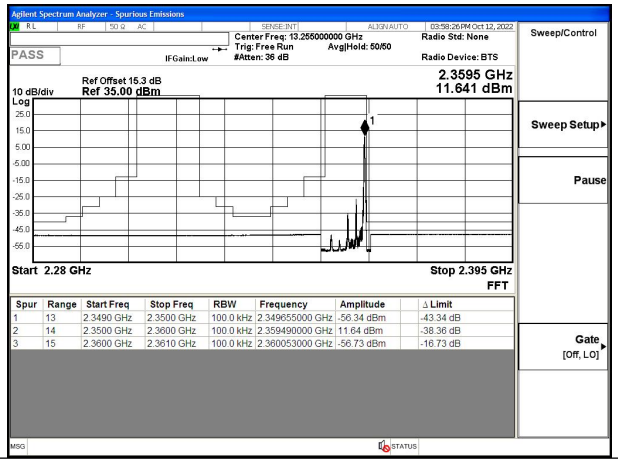

Fig.3

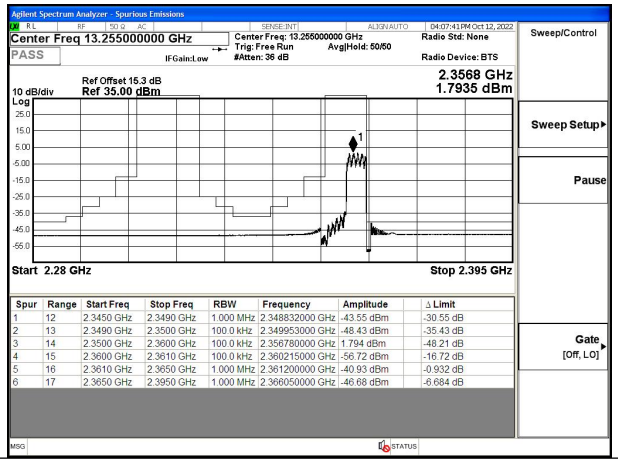

Fig.4

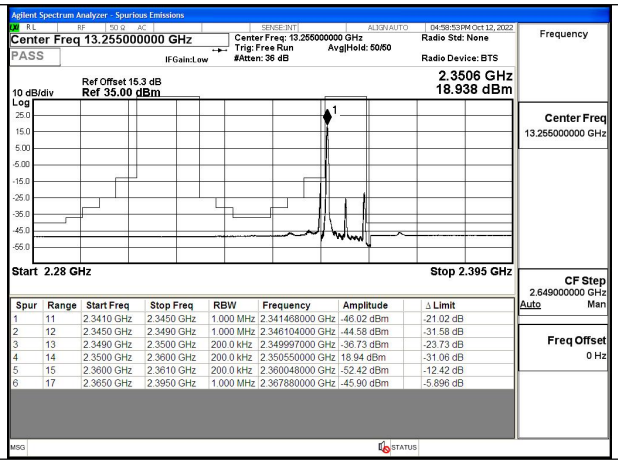

Fig.5

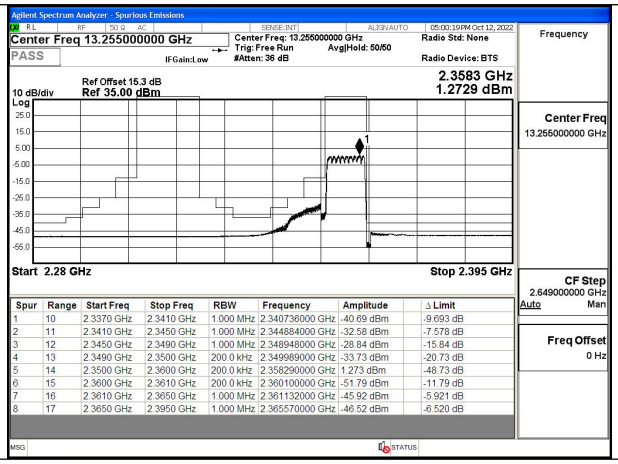

Fig.6

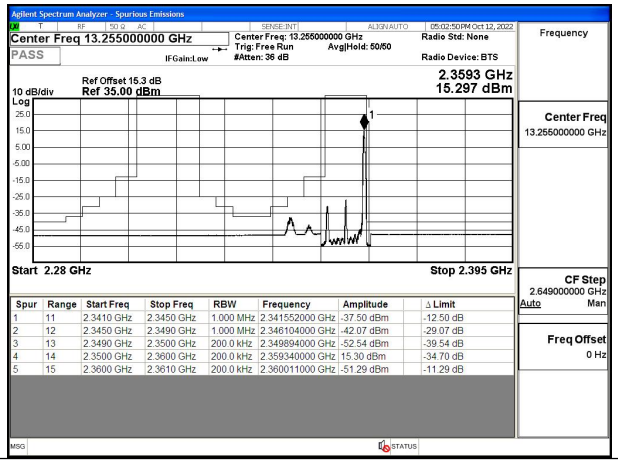

Fig.7

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2350-2360) Low Channel QPSK	
		5M	10M
-10	NV	-0.008	0.007
0	NV	-0.005	0.005
+10	NV	0.006	0.003
+20	NV	-0.014	-0.006
+30	NV	-0.010	0.003
+40	NV	-0.005	0.006
+50	NV	0.002	-0.003
+55	NV	-0.001	-0.015
+20	LV	-0.007	0.003
+20	HV	-0.008	0.007

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2350-2360) High Channel QPSK	
		5M	10M
-10	NV	0.003	0.010
0	NV	-0.007	0.006
+10	NV	-0.006	0.012
+20	NV	-0.004	0.005
+30	NV	-0.004	0.011
+40	NV	-0.002	0.012
+50	NV	-0.008	-0.008
+55	NV	0.005	-0.005
+20	LV	-0.011	0.008
+20	HV	-0.010	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	2352.5	39175	5	1	0	22.75	21.25	0.133
QPSK	2352.5	39175	5	1	12	23.69	22.19	0.166
QPSK	2352.5	39175	5	1	24	23.61	22.11	0.163
QPSK	2352.5	39175	5	12	0	22.56	21.06	0.128
QPSK	2352.5	39175	5	12	7	22.59	21.09	0.129
QPSK	2352.5	39175	5	12	13	22.61	21.11	0.129
QPSK	2352.5	39175	5	25	0	22.58	21.08	0.128
QPSK	2355	39200	5	1	0	23.56	22.06	0.161
QPSK	2355	39200	5	1	12	24.05	22.55	0.180
QPSK	2355	39200	5	1	24	24.10	22.60	0.182
QPSK	2355	39200	5	12	0	22.63	21.13	0.130
QPSK	2355	39200	5	12	7	22.57	21.07	0.128
QPSK	2355	39200	5	12	13	22.49	20.99	0.126
QPSK	2355	39200	5	25	0	22.52	21.02	0.126
QPSK	2357.5	39225	5	1	0	23.76	22.26	0.168
QPSK	2357.5	39225	5	1	12	23.83	22.33	0.171
QPSK	2357.5	39225	5	1	24	23.74	22.24	0.167
QPSK	2357.5	39225	5	12	0	22.62	21.12	0.129
QPSK	2357.5	39225	5	12	7	22.64	21.14	0.130
QPSK	2357.5	39225	5	12	13	22.66	21.16	0.131
QPSK	2357.5	39225	5	25	0	22.68	21.18	0.131

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2352.5	39175	5	1	0	22.37	20.87	0.122
16QAM	2352.5	39175	5	1	12	22.39	20.89	0.123
16QAM	2352.5	39175	5	1	24	22.47	20.97	0.125
16QAM	2352.5	39175	5	12	0	21.84	20.34	0.108
16QAM	2352.5	39175	5	12	7	21.82	20.32	0.108
16QAM	2352.5	39175	5	12	13	21.84	20.34	0.108
16QAM	2352.5	39175	5	25	0	22.10	20.60	0.115
16QAM	2355	39200	5	1	0	22.30	20.80	0.120
16QAM	2355	39200	5	1	12	22.25	20.75	0.119
16QAM	2355	39200	5	1	24	22.31	20.81	0.121
16QAM	2355	39200	5	12	0	21.86	20.36	0.109
16QAM	2355	39200	5	12	7	21.75	20.25	0.106
16QAM	2355	39200	5	12	13	21.85	20.35	0.108
16QAM	2355	39200	5	25	0	21.88	20.38	0.109
16QAM	2357.5	39225	5	1	0	22.54	21.04	0.127
16QAM	2357.5	39225	5	1	12	22.52	21.02	0.126
16QAM	2357.5	39225	5	1	24	22.54	21.04	0.127
16QAM	2357.5	39225	5	12	0	21.83	20.33	0.108
16QAM	2357.5	39225	5	12	7	21.84	20.34	0.108
16QAM	2357.5	39225	5	12	13	21.83	20.33	0.108
16QAM	2357.5	39225	5	25	0	22.02	20.52	0.113
64QAM	2352.5	39175	5	1	0	20.96	19.46	0.088
64QAM	2352.5	39175	5	1	12	21.73	20.23	0.105
64QAM	2352.5	39175	5	1	24	21.05	19.55	0.090
64QAM	2352.5	39175	5	12	0	20.50	19.00	0.079
64QAM	2352.5	39175	5	12	7	20.48	18.98	0.079
64QAM	2352.5	39175	5	12	13	20.33	18.83	0.076
64QAM	2352.5	39175	5	25	0	20.70	19.20	0.083
64QAM	2355	39200	5	1	0	21.11	19.61	0.091
64QAM	2355	39200	5	1	12	21.04	19.54	0.090
64QAM	2355	39200	5	1	24	21.12	19.62	0.092
64QAM	2355	39200	5	12	0	20.51	19.01	0.080
64QAM	2355	39200	5	12	7	20.41	18.91	0.078
64QAM	2355	39200	5	12	13	20.51	19.01	0.080
64QAM	2355	39200	5	25	0	20.54	19.04	0.080
64QAM	2357.5	39225	5	1	0	21.26	19.76	0.095
64QAM	2357.5	39225	5	1	12	21.82	20.32	0.108
64QAM	2357.5	39225	5	1	24	21.11	19.61	0.091
64QAM	2357.5	39225	5	12	0	20.47	18.97	0.079
64QAM	2357.5	39225	5	12	7	20.50	19.00	0.079
64QAM	2357.5	39225	5	12	13	20.49	18.99	0.079
64QAM	2357.5	39225	5	25	0	20.69	19.19	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2355	39200	10	1	0	23.77	22.27	0.169
QPSK	2355	39200	10	1	25	23.90	22.40	0.174
QPSK	2355	39200	10	1	49	23.84	22.34	0.171
QPSK	2355	39200	10	25	0	22.64	21.14	0.130
QPSK	2355	39200	10	25	12	22.76	21.26	0.134
QPSK	2355	39200	10	25	25	22.76	21.26	0.134
QPSK	2355	39200	10	50	0	22.62	21.12	0.129

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2355	39200	10	1	0	22.44	20.94	0.124
16QAM	2355	39200	10	1	25	22.54	21.04	0.127
16QAM	2355	39200	10	1	49	22.45	20.95	0.124
16QAM	2355	39200	10	25	0	22.12	20.62	0.115
16QAM	2355	39200	10	25	12	22.11	20.61	0.115
16QAM	2355	39200	10	25	25	22.09	20.59	0.115
16QAM	2355	39200	10	50	0	21.82	20.32	0.108
64QAM	2355	39200	10	1	0	20.96	19.46	0.088
64QAM	2355	39200	10	1	25	21.69	20.19	0.104
64QAM	2355	39200	10	1	49	21.57	20.07	0.102
64QAM	2355	39200	10	25	0	20.66	19.16	0.082
64QAM	2355	39200	10	25	12	20.60	19.10	0.081
64QAM	2355	39200	10	25	25	20.58	19.08	0.081
64QAM	2355	39200	10	50	0	20.38	18.88	0.077