

Fig.29

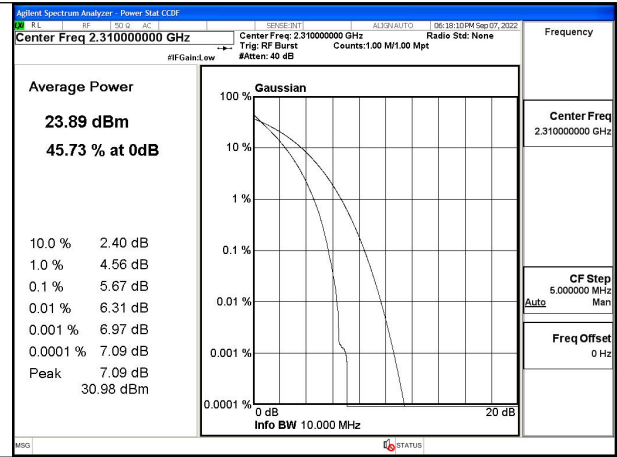


Fig.30

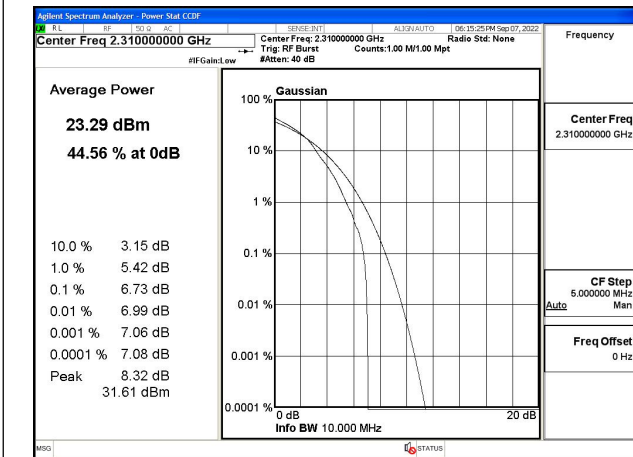


Fig.31

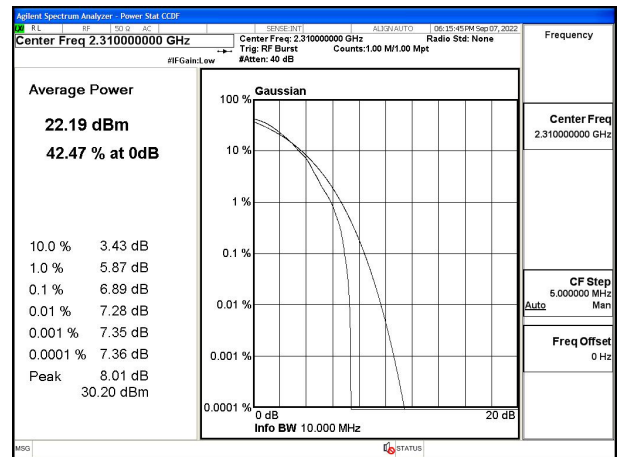


Fig.32

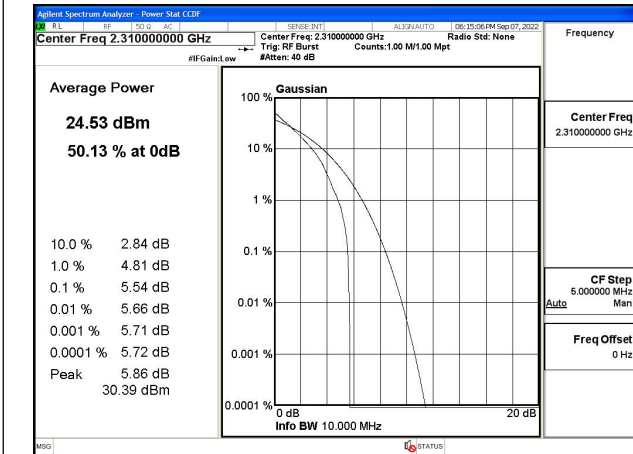


Fig.33

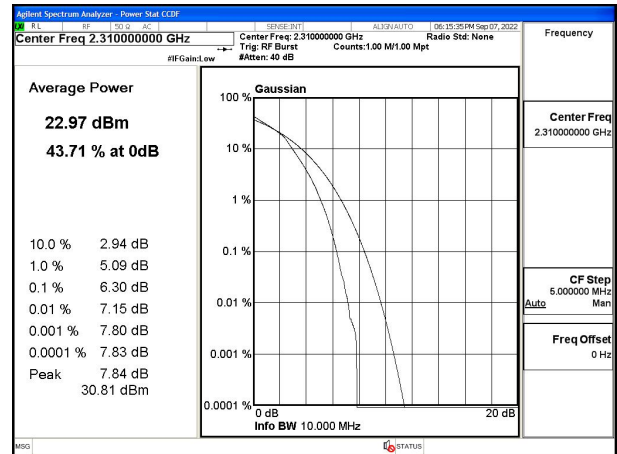


Fig.34

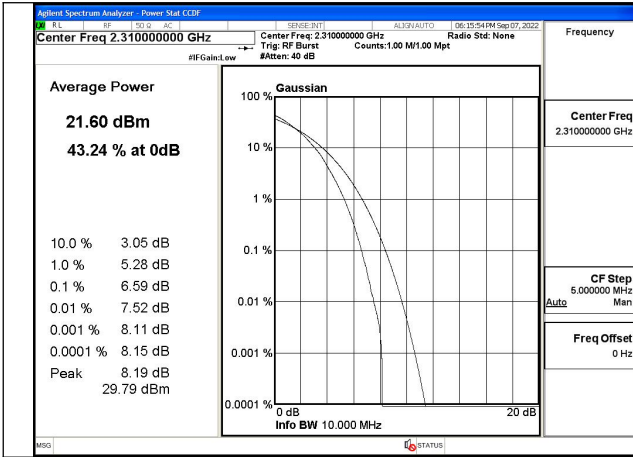


Fig.35

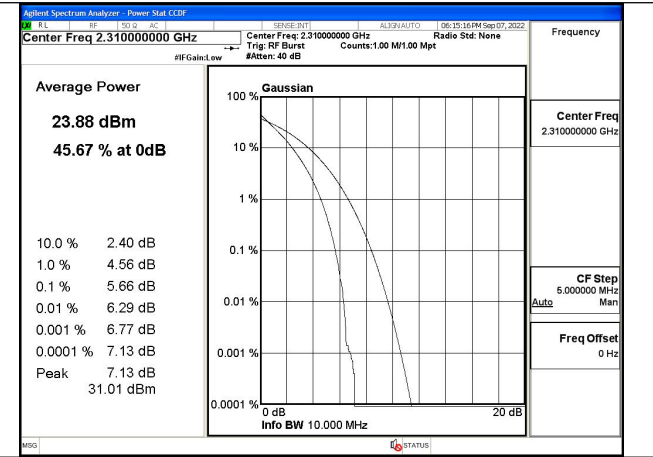


Fig.36

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
40	2310	38750	10	1	0	Fig.1

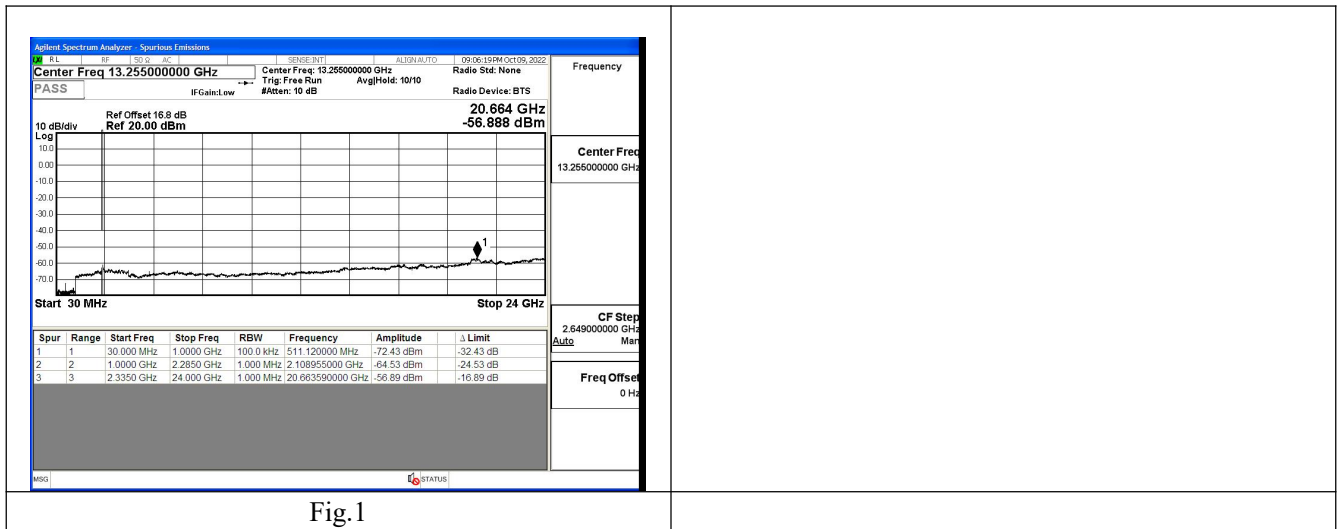
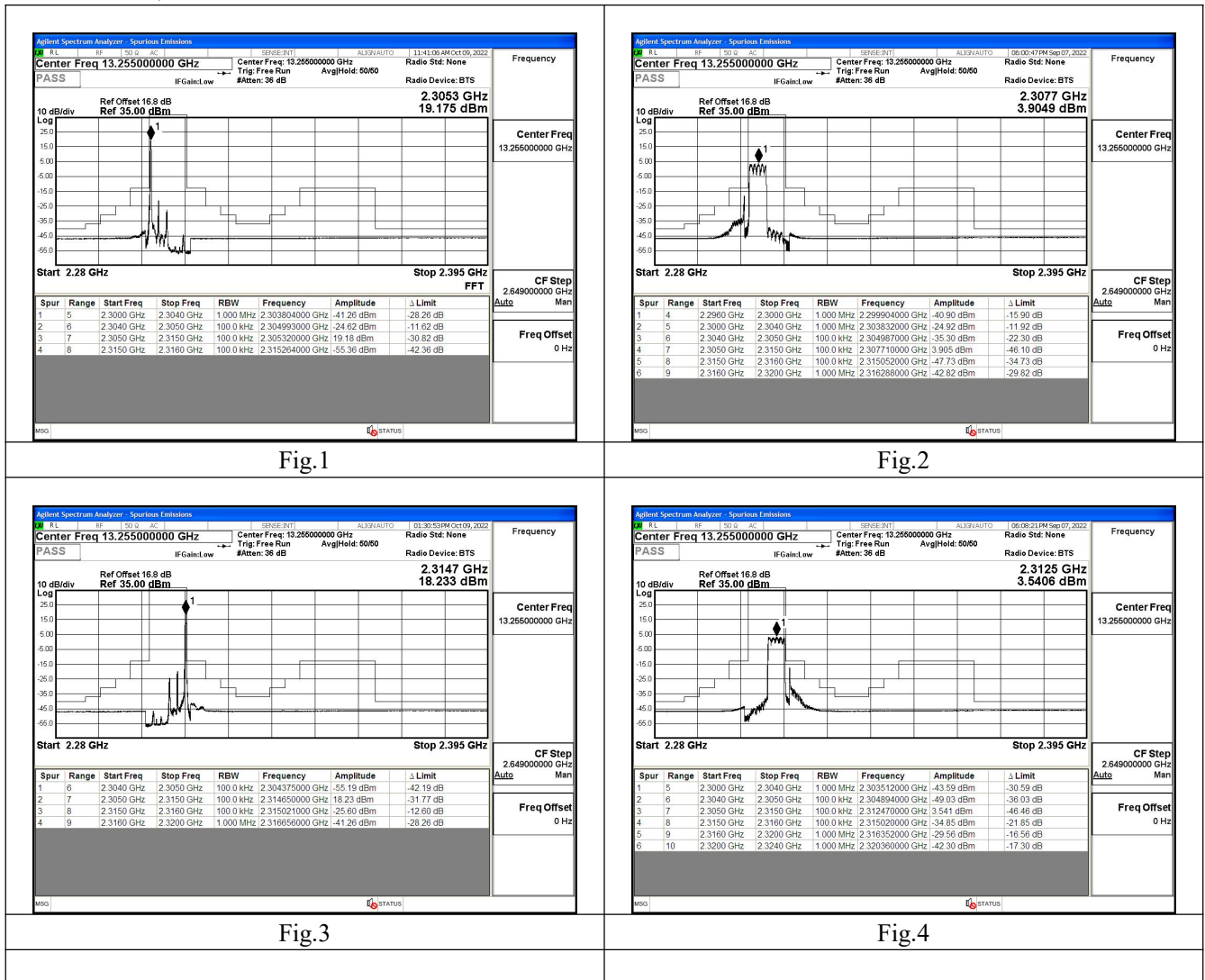


Fig.1

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
40	QPSK	2307.5	38725	5	1	0	Fig.1
40	QPSK	2307.5	38725	5	25	0	Fig.2
40	QPSK	2312.5	38775	5	1	24	Fig.3
40	QPSK	2312.5	38775	5	25	0	Fig.4
40	QPSK	2310	38750	10	1	0	Fig.5
40	QPSK	2310	38750	10	50	0	Fig.6
40	QPSK	2310	38750	10	1	49	Fig.7

Test Mode: QPSK



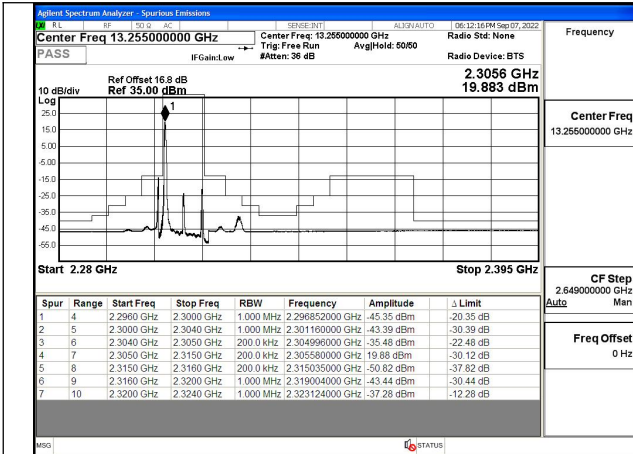


Fig.5

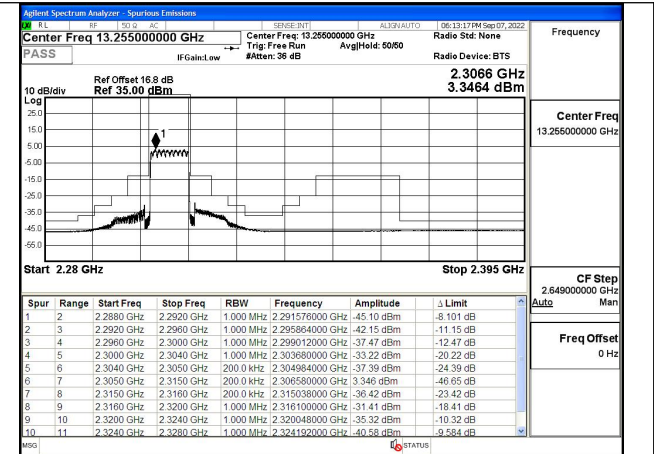


Fig.6

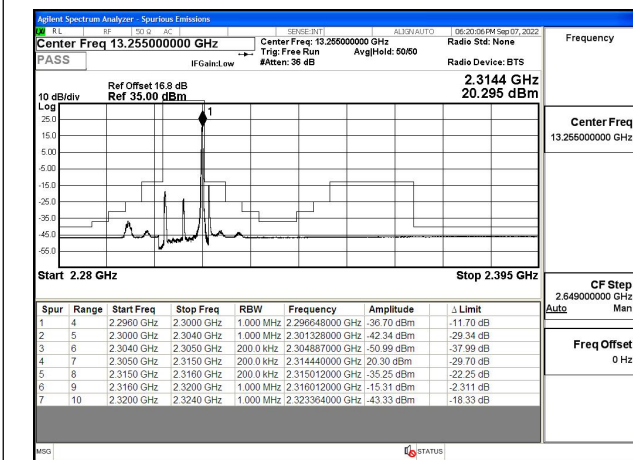


Fig.7

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2305-2315) Low Channel QPSK	
		5M	10M
-10	NV	-0.005	-0.003
0	NV	-0.009	-0.002
+10	NV	0.001	0.014
+20	NV	-0.005	0.009
+30	NV	-0.005	-0.002
+40	NV	0.001	-0.003
+50	NV	-0.001	-0.002
+55	NV	-0.008	-0.005
+20	LV	-0.002	0.007
+20	HV	-0.005	-0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 40(2305-2315) High Channel QPSK	
		5M	10M
-10	NV	-0.018	-0.007
0	NV	-0.007	-0.007
+10	NV	-0.019	0.015
+20	NV	-0.002	-0.022
+30	NV	-0.006	-0.009
+40	NV	0.002	-0.004
+50	NV	-0.005	-0.010
+55	NV	-0.005	-0.009
+20	LV	-0.006	-0.003
+20	HV	-0.005	-0.019

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	2307.5	38725	5	1	0	25.38	23.48	0.223
QPSK	2307.5	38725	5	1	12	25.28	23.38	0.218
QPSK	2307.5	38725	5	1	24	24.96	23.06	0.202
QPSK	2307.5	38725	5	12	0	23.81	21.91	0.155
QPSK	2307.5	38725	5	12	7	23.95	22.05	0.160
QPSK	2307.5	38725	5	12	13	23.92	22.02	0.159
QPSK	2307.5	38725	5	25	0	23.97	22.07	0.161
QPSK	2310	38750	5	1	0	24.98	23.08	0.203
QPSK	2310	38750	5	1	12	25.11	23.21	0.209
QPSK	2310	38750	5	1	24	24.95	23.05	0.202
QPSK	2310	38750	5	12	0	23.85	21.95	0.157
QPSK	2310	38750	5	12	7	23.94	22.04	0.160
QPSK	2310	38750	5	12	13	23.87	21.97	0.157
QPSK	2310	38750	5	25	0	23.97	22.07	0.161
QPSK	2312.5	38775	5	1	0	25.02	23.12	0.205
QPSK	2312.5	38775	5	1	12	25.06	23.16	0.207
QPSK	2312.5	38775	5	1	24	25.04	23.14	0.206
QPSK	2312.5	38775	5	12	0	23.85	21.95	0.157
QPSK	2312.5	38775	5	12	7	23.93	22.03	0.160
QPSK	2312.5	38775	5	12	13	23.84	21.94	0.156
QPSK	2312.5	38775	5	25	0	23.94	22.04	0.160

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2307.5	38725	5	1	0	23.69	21.79	0.151
16QAM	2307.5	38725	5	1	12	23.69	21.79	0.151
16QAM	2307.5	38725	5	1	24	23.60	21.70	0.148
16QAM	2307.5	38725	5	12	0	23.06	21.16	0.131
16QAM	2307.5	38725	5	12	7	23.06	21.16	0.131
16QAM	2307.5	38725	5	12	13	23.12	21.22	0.132
16QAM	2307.5	38725	5	25	0	23.19	21.29	0.135
16QAM	2310	38750	5	1	0	23.66	21.76	0.150
16QAM	2310	38750	5	1	12	23.69	21.79	0.151
16QAM	2310	38750	5	1	24	23.70	21.80	0.151
16QAM	2310	38750	5	12	0	23.10	21.20	0.132
16QAM	2310	38750	5	12	7	23.06	21.16	0.131
16QAM	2310	38750	5	12	13	23.13	21.23	0.133
16QAM	2310	38750	5	25	0	23.23	21.33	0.136
16QAM	2312.5	38775	5	1	0	23.66	21.76	0.150
16QAM	2312.5	38775	5	1	12	23.66	21.76	0.150
16QAM	2312.5	38775	5	1	24	23.70	21.80	0.151
16QAM	2312.5	38775	5	12	0	23.11	21.21	0.132
16QAM	2312.5	38775	5	12	7	23.01	21.11	0.129
16QAM	2312.5	38775	5	12	13	23.06	21.16	0.131
16QAM	2312.5	38775	5	25	0	23.16	21.26	0.134
64QAM	2307.5	38725	5	1	0	22.65	20.75	0.119
64QAM	2307.5	38725	5	1	12	22.85	20.95	0.124
64QAM	2307.5	38725	5	1	24	22.09	20.19	0.104
64QAM	2307.5	38725	5	12	0	21.66	19.76	0.095
64QAM	2307.5	38725	5	12	7	21.69	19.79	0.095
64QAM	2307.5	38725	5	12	13	21.71	19.81	0.096
64QAM	2307.5	38725	5	25	0	21.78	19.88	0.097
64QAM	2310	38750	5	1	0	22.61	20.71	0.118
64QAM	2310	38750	5	1	12	22.92	21.02	0.126
64QAM	2310	38750	5	1	24	22.21	20.31	0.107
64QAM	2310	38750	5	12	0	21.67	19.77	0.095
64QAM	2310	38750	5	12	7	21.79	19.89	0.097
64QAM	2310	38750	5	12	13	21.67	19.77	0.095
64QAM	2310	38750	5	25	0	21.77	19.87	0.097
64QAM	2312.5	38775	5	1	0	22.60	20.70	0.117
64QAM	2312.5	38775	5	1	12	23.00	21.10	0.129
64QAM	2312.5	38775	5	1	24	22.18	20.28	0.107
64QAM	2312.5	38775	5	12	0	21.63	19.73	0.094
64QAM	2312.5	38775	5	12	7	21.70	19.80	0.095
64QAM	2312.5	38775	5	12	13	21.63	19.73	0.094
64QAM	2312.5	38775	5	25	0	21.94	20.04	0.101

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2310	38750	10	1	0	25.28	23.38	0.218
QPSK	2310	38750	10	1	25	25.38	23.48	0.223
QPSK	2310	38750	10	1	49	25.40	23.50	0.224
QPSK	2310	38750	10	25	0	23.84	21.94	0.156
QPSK	2310	38750	10	25	12	23.88	21.98	0.158
QPSK	2310	38750	10	25	25	23.87	21.97	0.157
QPSK	2310	38750	10	50	0	23.87	21.97	0.157

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2310	38750	10	1	0	23.67	21.77	0.150
16QAM	2310	38750	10	1	25	23.54	21.64	0.146
16QAM	2310	38750	10	1	49	23.58	21.68	0.147
16QAM	2310	38750	10	25	0	23.10	21.20	0.132
16QAM	2310	38750	10	25	12	23.10	21.20	0.132
16QAM	2310	38750	10	25	25	23.10	21.20	0.132
16QAM	2310	38750	10	50	0	23.12	21.22	0.132
64QAM	2310	38750	10	1	0	22.37	20.47	0.111
64QAM	2310	38750	10	1	25	22.39	20.49	0.112
64QAM	2310	38750	10	1	49	22.42	20.52	0.113
64QAM	2310	38750	10	25	0	21.78	19.88	0.097
64QAM	2310	38750	10	25	12	21.68	19.78	0.095
64QAM	2310	38750	10	25	25	21.77	19.87	0.097
64QAM	2310	38750	10	50	0	21.50	19.60	0.091

LTE Band 40(2350-2360)
9 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2352.5	39175	5	1	0	24.96
QPSK	2352.5	39175	5	1	12	25.20
QPSK	2352.5	39175	5	1	24	25.24
QPSK	2352.5	39175	5	12	0	24.43
QPSK	2352.5	39175	5	12	7	24.35
QPSK	2352.5	39175	5	12	13	24.35
QPSK	2352.5	39175	5	25	0	24.32
QPSK	2355	39200	5	1	0	25.48
QPSK	2355	39200	5	1	12	25.54
QPSK	2355	39200	5	1	24	25.45
QPSK	2355	39200	5	12	0	24.40
QPSK	2355	39200	5	12	7	24.44
QPSK	2355	39200	5	12	13	24.29
QPSK	2355	39200	5	25	0	24.31
QPSK	2357.5	39225	5	1	0	25.55
QPSK	2357.5	39225	5	1	12	25.40
QPSK	2357.5	39225	5	1	24	25.50
QPSK	2357.5	39225	5	12	0	24.30
QPSK	2357.5	39225	5	12	7	24.45
QPSK	2357.5	39225	5	12	13	24.44
QPSK	2357.5	39225	5	25	0	24.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2352.5	39175	5	1	0	24.32
16QAM	2352.5	39175	5	1	12	24.18
16QAM	2352.5	39175	5	1	24	24.21
16QAM	2352.5	39175	5	12	0	23.48
16QAM	2352.5	39175	5	12	7	23.55
16QAM	2352.5	39175	5	12	13	23.41
16QAM	2352.5	39175	5	25	0	23.69
16QAM	2355	39200	5	1	0	24.27
16QAM	2355	39200	5	1	12	24.18
16QAM	2355	39200	5	1	24	24.16
16QAM	2355	39200	5	12	0	23.51
16QAM	2355	39200	5	12	7	23.56
16QAM	2355	39200	5	12	13	23.52
16QAM	2355	39200	5	25	0	23.54
16QAM	2357.5	39225	5	1	0	24.19
16QAM	2357.5	39225	5	1	12	24.17
16QAM	2357.5	39225	5	1	24	24.20
16QAM	2357.5	39225	5	12	0	23.53
16QAM	2357.5	39225	5	12	7	23.57
16QAM	2357.5	39225	5	12	13	23.54
16QAM	2357.5	39225	5	25	0	23.56
64QAM	2352.5	39175	5	1	0	22.91
64QAM	2352.5	39175	5	1	12	23.51
64QAM	2352.5	39175	5	1	24	22.73
64QAM	2352.5	39175	5	12	0	22.05
64QAM	2352.5	39175	5	12	7	22.23
64QAM	2352.5	39175	5	12	13	22.10
64QAM	2352.5	39175	5	25	0	22.29
64QAM	2355	39200	5	1	0	23.07
64QAM	2355	39200	5	1	12	23.37
64QAM	2355	39200	5	1	24	22.82
64QAM	2355	39200	5	12	0	22.11
64QAM	2355	39200	5	12	7	22.10
64QAM	2355	39200	5	12	13	22.11
64QAM	2355	39200	5	25	0	22.32
64QAM	2357.5	39225	5	1	0	23.12
64QAM	2357.5	39225	5	1	12	23.37
64QAM	2357.5	39225	5	1	24	22.74
64QAM	2357.5	39225	5	12	0	22.13
64QAM	2357.5	39225	5	12	7	22.10
64QAM	2357.5	39225	5	12	13	22.15
64QAM	2357.5	39225	5	25	0	22.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2355	39200	10	1	0	25.84
QPSK	2355	39200	10	1	25	25.71
QPSK	2355	39200	10	1	49	25.68
QPSK	2355	39200	10	25	0	24.23
QPSK	2355	39200	10	25	12	24.36
QPSK	2355	39200	10	25	25	24.25
QPSK	2355	39200	10	50	0	24.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2355	39200	10	1	0	24.02
16QAM	2355	39200	10	1	25	24.00
16QAM	2355	39200	10	1	49	24.08
16QAM	2355	39200	10	25	0	23.46
16QAM	2355	39200	10	25	12	23.59
16QAM	2355	39200	10	25	25	23.47
16QAM	2355	39200	10	50	0	23.63
64QAM	2355	39200	10	1	0	22.83
64QAM	2355	39200	10	1	25	22.75
64QAM	2355	39200	10	1	49	22.83
64QAM	2355	39200	10	25	0	22.17
64QAM	2355	39200	10	25	12	22.29
64QAM	2355	39200	10	25	25	22.29
64QAM	2355	39200	10	50	0	22.10

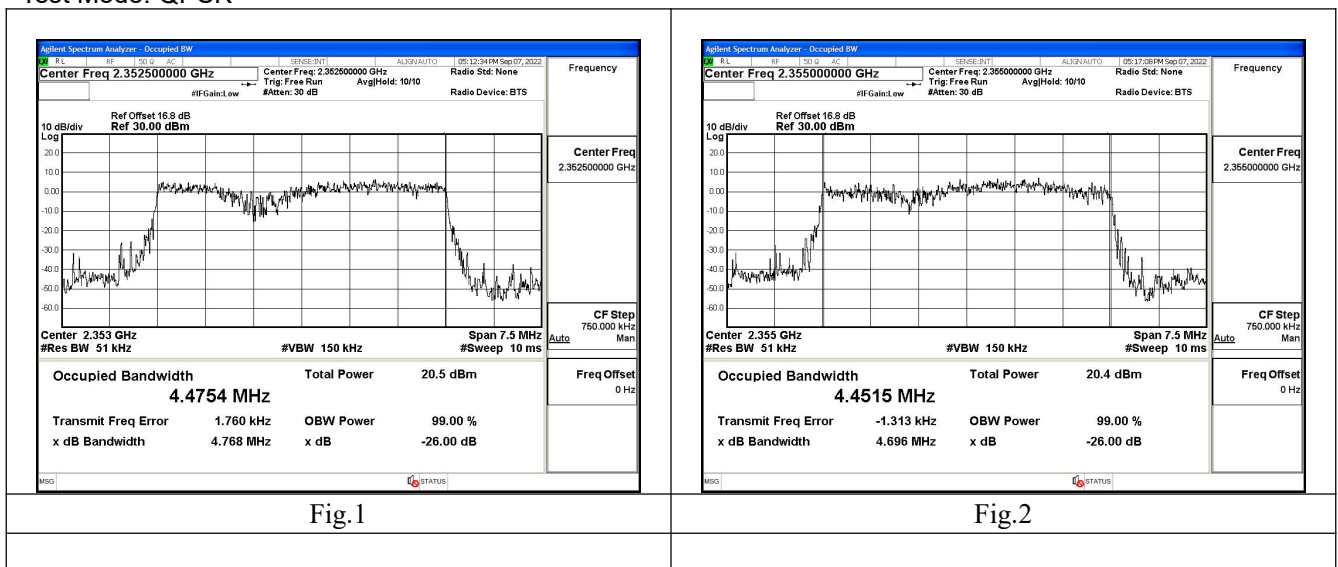
10 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	QPSK	2352.5	39175	5	25	0	4.48	Fig.1
40	QPSK	2355	39200	5	25	0	4.45	Fig.2
40	QPSK	2357.5	39225	5	25	0	4.48	Fig.3
40	QPSK	2355	39200	10	50	0	8.92	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	16QAM	2352.5	39175	5	25	0	4.39	Fig.7
40	16QAM	2355	39200	5	25	0	4.46	Fig.8
40	16QAM	2357.5	39225	5	25	0	4.48	Fig.9
40	16QAM	2355	39200	10	50	0	8.88	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	64QAM	2352.5	39175	5	25	0	4.46	Fig.13
40	64QAM	2355	39200	5	25	0	4.44	Fig.14
40	64QAM	2357.5	39225	5	25	0	4.44	Fig.15
40	64QAM	2355	39200	10	50	0	8.91	Fig.18

Test Mode: QPSK



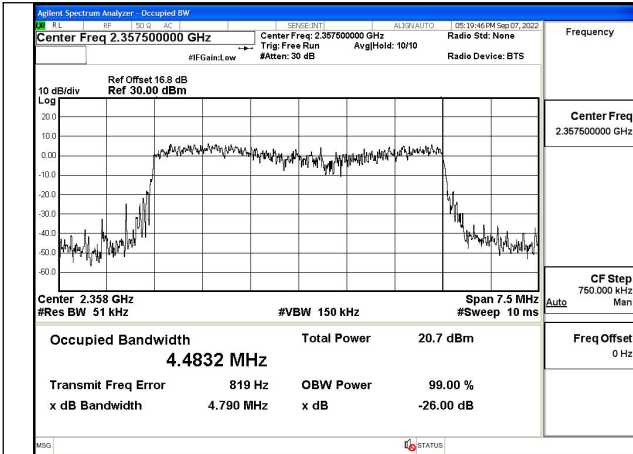


Fig.3

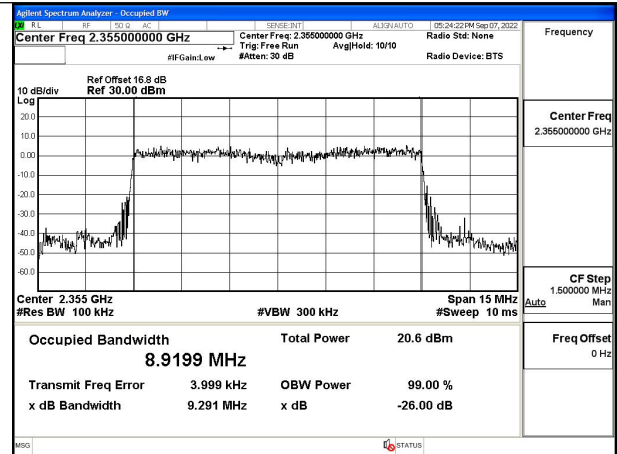


Fig.4

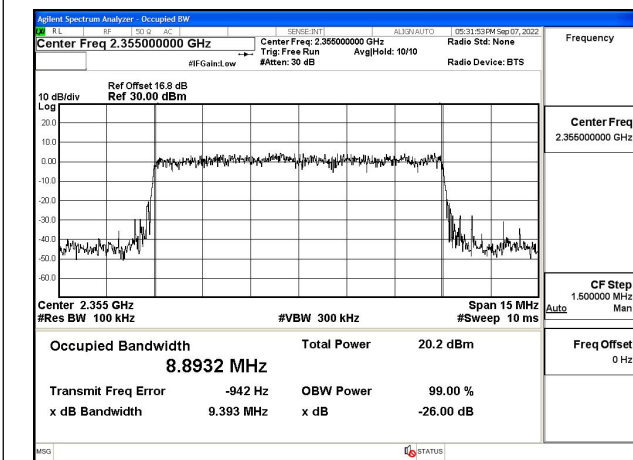


Fig.5

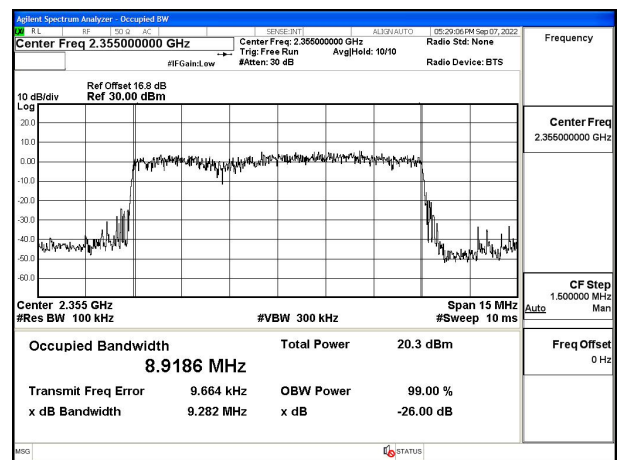


Fig.6

Test Mode: 16QAM

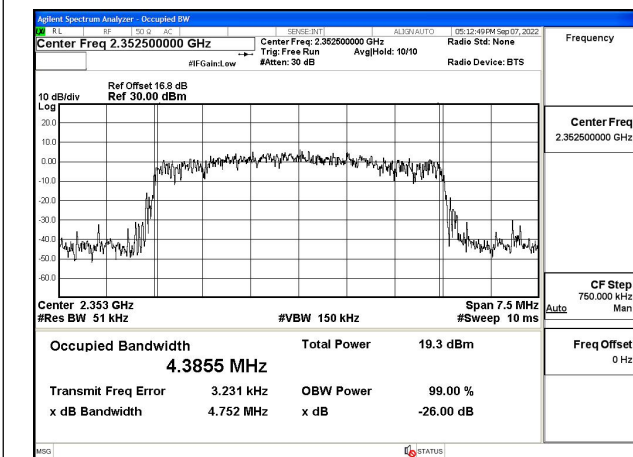


Fig.7

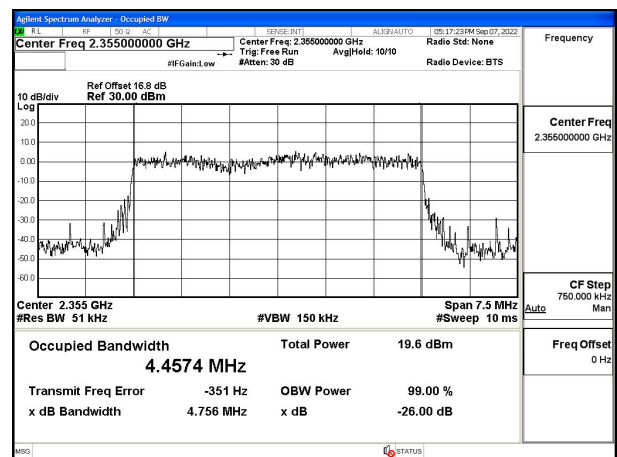


Fig.8

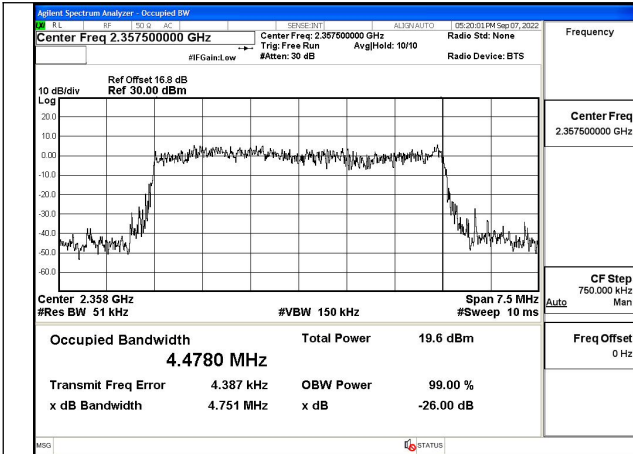


Fig.9

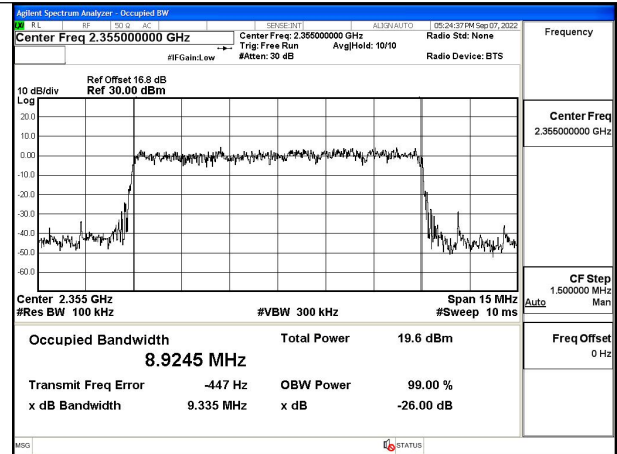


Fig.10

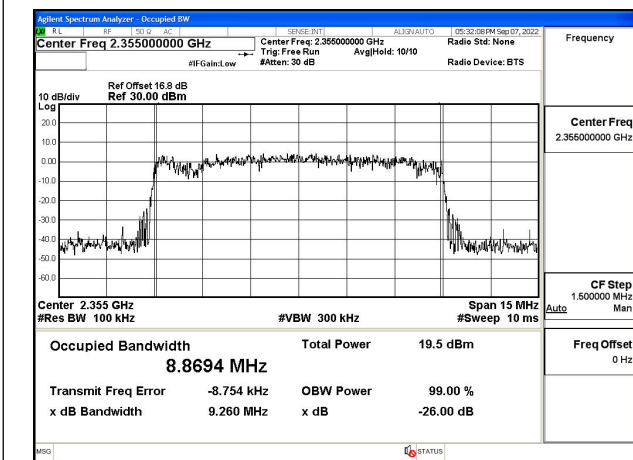


Fig.11

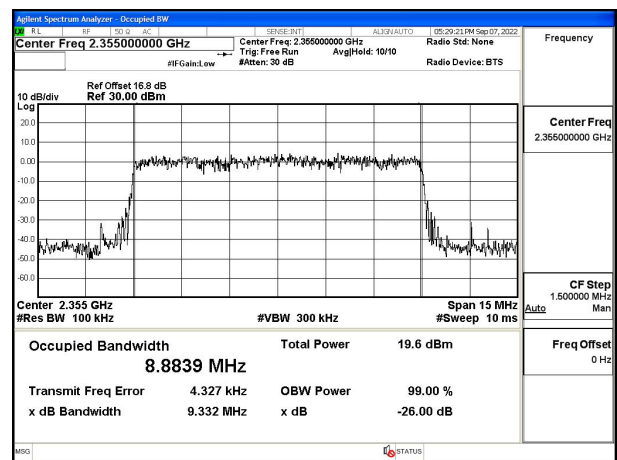


Fig.12

Test Mode: 64QAM

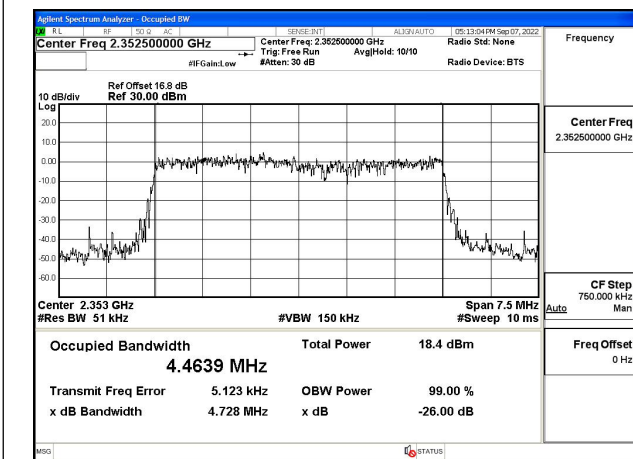


Fig.13

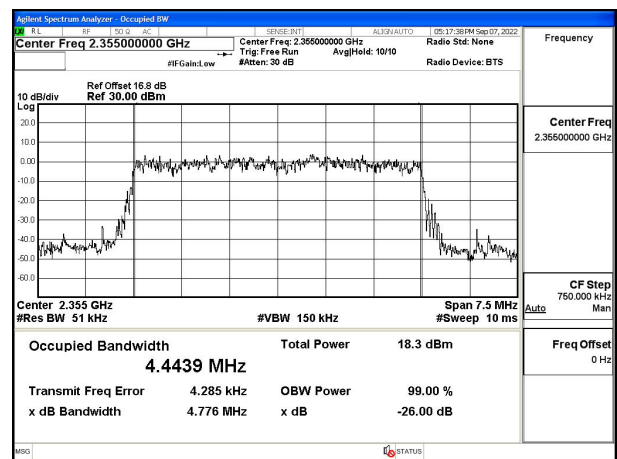


Fig.14

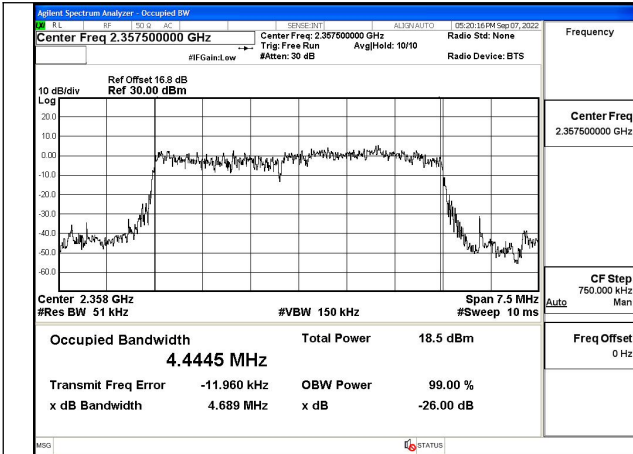


Fig.15

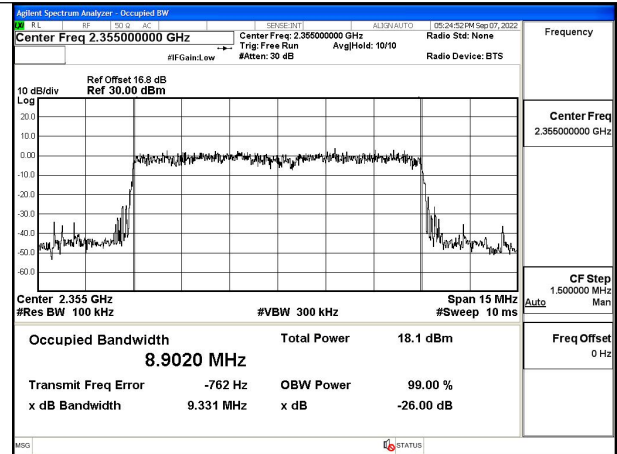


Fig.16

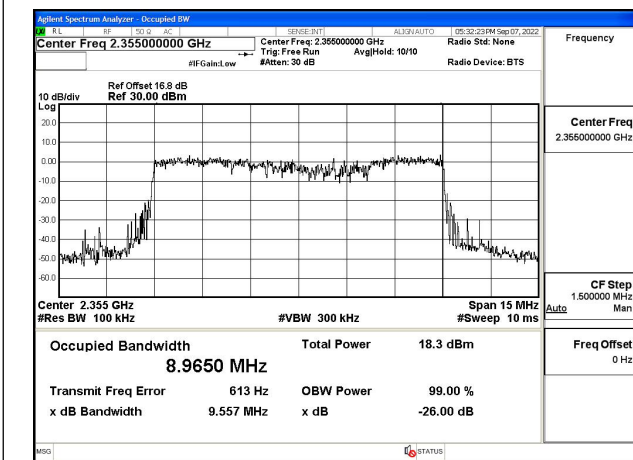


Fig.17

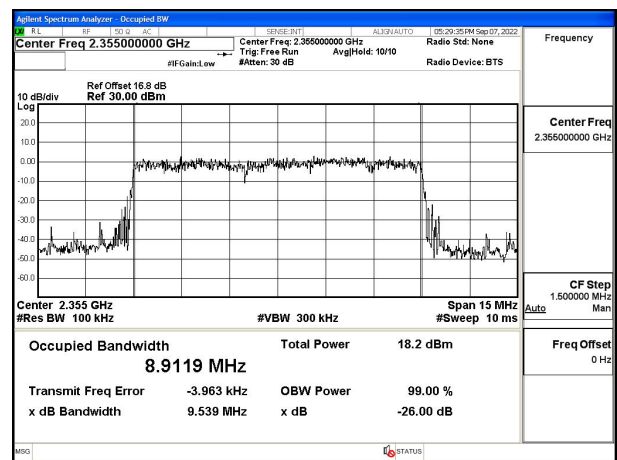


Fig.18

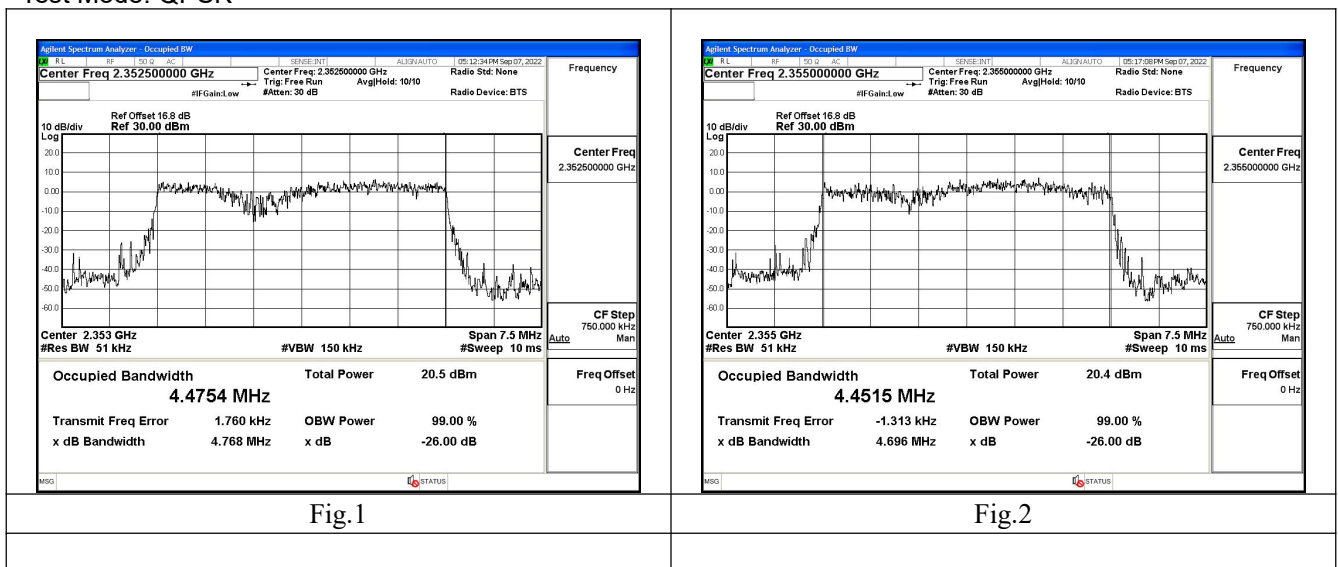
11 Emission Bandwidth

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	4.77	Fig.1
40	QPSK	2355	39200	5	25	0	4.70	Fig.2
40	QPSK	2357.5	39225	5	25	0	4.79	Fig.3
40	QPSK	2355	39200	10	50	0	9.28	Fig.6

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	4.75	Fig.7
40	16QAM	2355	39200	5	25	0	4.76	Fig.8
40	16QAM	2357.5	39225	5	25	0	4.75	Fig.9
40	16QAM	2355	39200	10	50	0	9.33	Fig.12

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	4.73	Fig.13
40	64QAM	2355	39200	5	25	0	4.78	Fig.14
40	64QAM	2357.5	39225	5	25	0	4.69	Fig.15
40	64QAM	2355	39200	10	50	0	9.54	Fig.18

Test Mode: QPSK



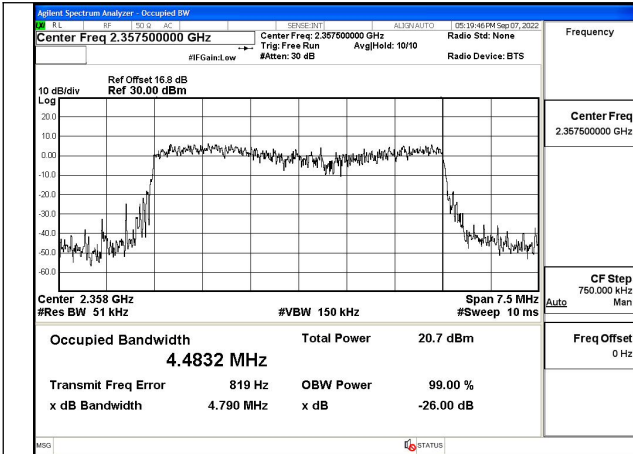


Fig.3

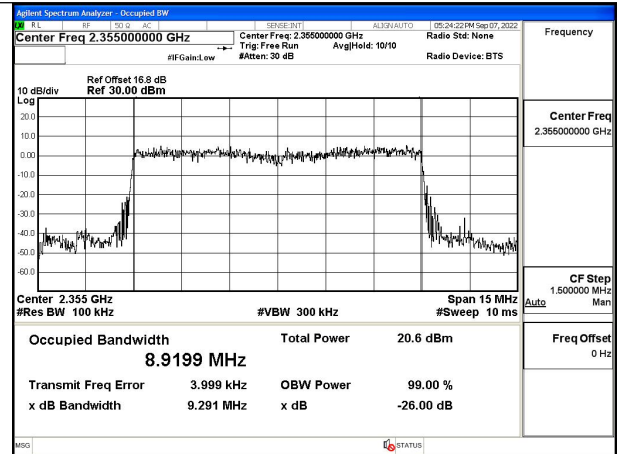


Fig.4

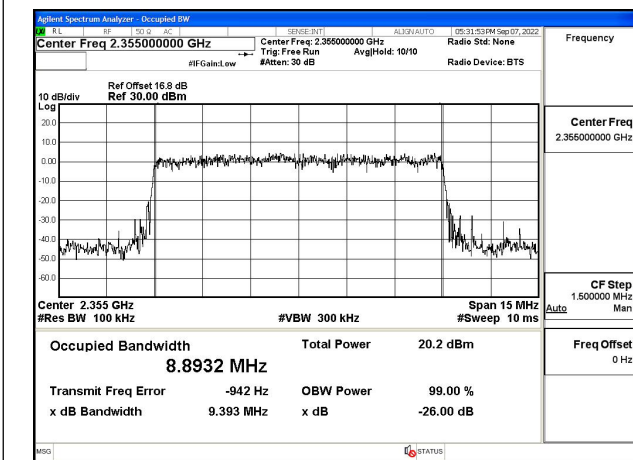


Fig.5

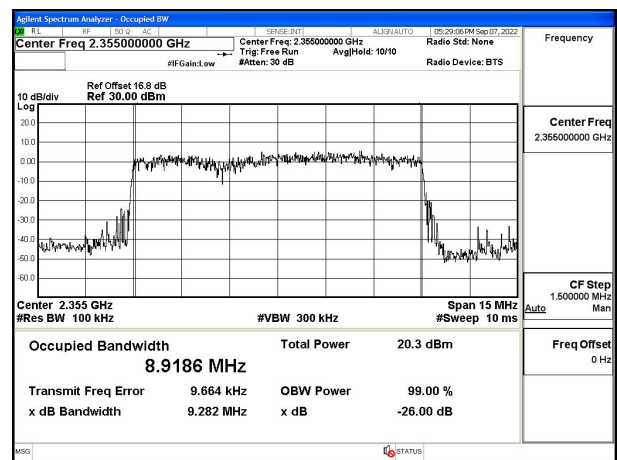


Fig.6

Test Mode: 16QAM

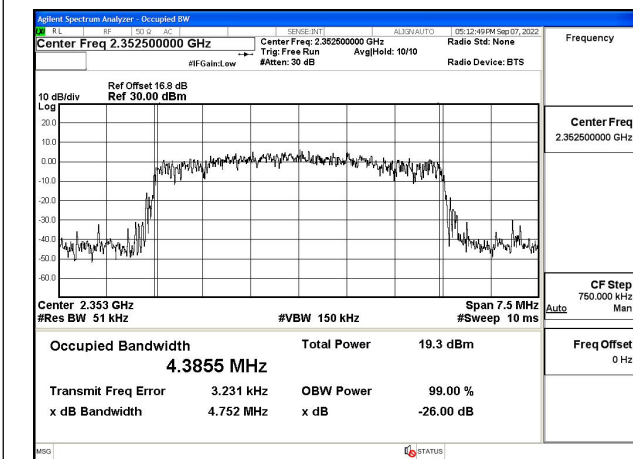


Fig.7

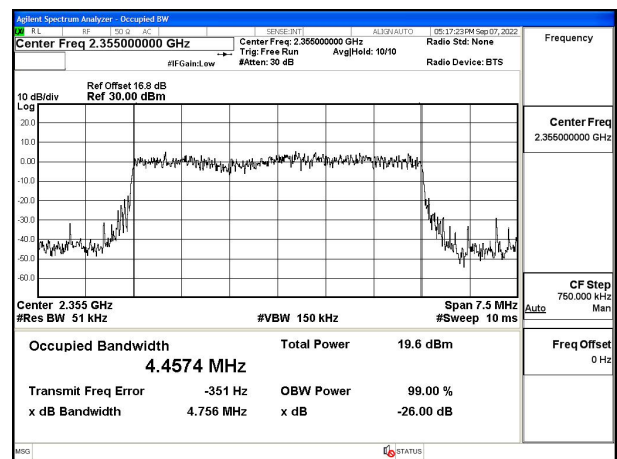


Fig.8

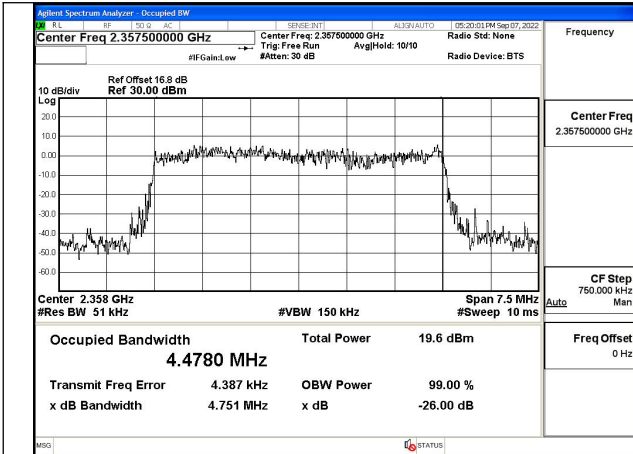


Fig.9

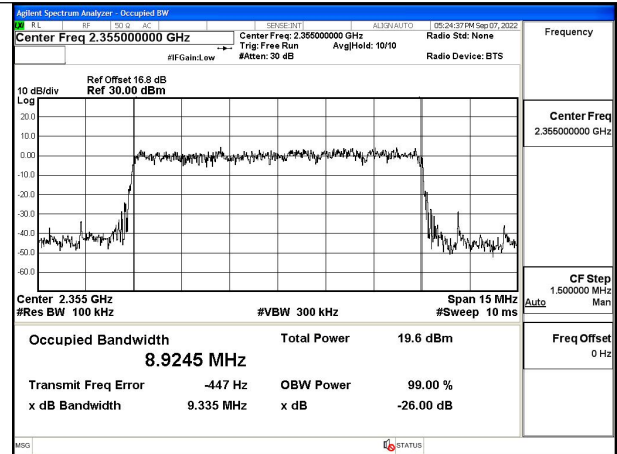


Fig.10

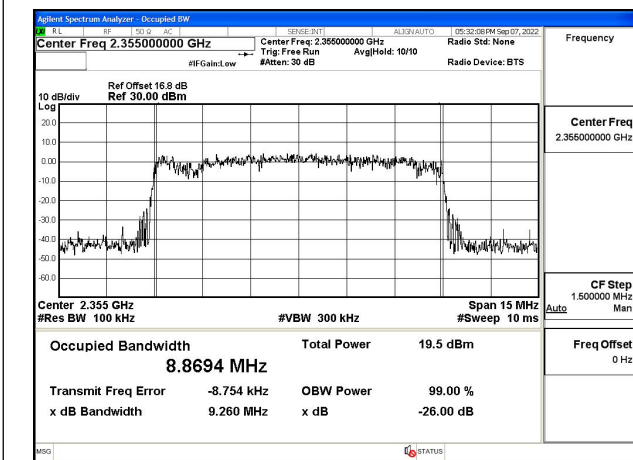


Fig.11

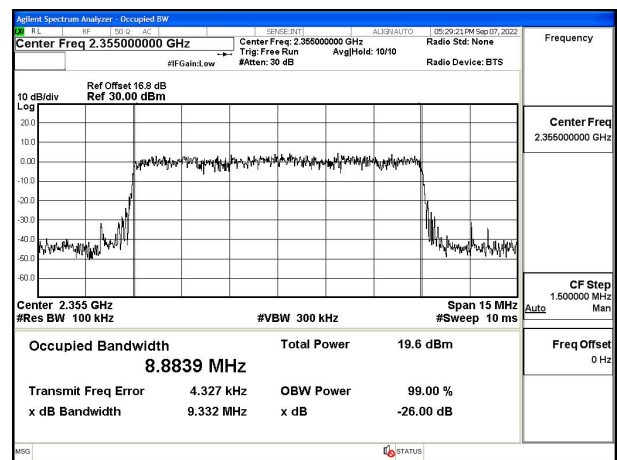


Fig.12

Test Mode: 64QAM

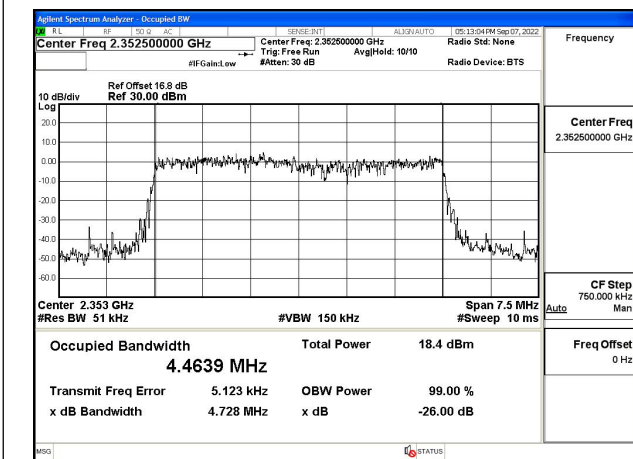


Fig.13

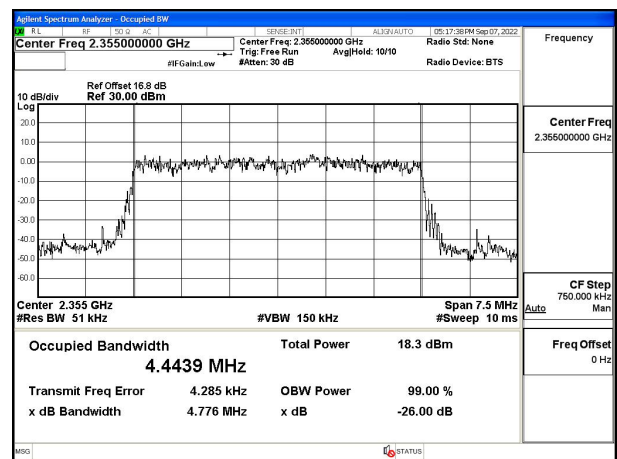


Fig.14