

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 13

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	779.5	23205	5	1	0	23.13
QPSK	779.5	23205	5	1	12	23.21
QPSK	779.5	23205	5	1	24	23.00
QPSK	779.5	23205	5	12	0	22.16
QPSK	779.5	23205	5	12	7	22.14
QPSK	779.5	23205	5	12	13	22.11
QPSK	779.5	23205	5	25	0	22.11
QPSK	782	23230	5	1	0	23.25
QPSK	782	23230	5	1	12	23.31
QPSK	782	23230	5	1	24	23.04
QPSK	782	23230	5	12	0	22.03
QPSK	782	23230	5	12	7	22.09
QPSK	782	23230	5	12	13	22.11
QPSK	782	23230	5	25	0	22.00
QPSK	784.5	23255	5	1	0	22.93
QPSK	784.5	23255	5	1	12	23.18
QPSK	784.5	23255	5	1	24	22.99
QPSK	784.5	23255	5	12	0	22.04
QPSK	784.5	23255	5	12	7	22.06
QPSK	784.5	23255	5	12	13	22.14
QPSK	784.5	23255	5	25	0	21.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	779.5	23205	5	1	0	22.65
16QAM	779.5	23205	5	1	12	22.43
16QAM	779.5	23205	5	1	24	22.42
16QAM	779.5	23205	5	12	0	21.08
16QAM	779.5	23205	5	12	7	21.04
16QAM	779.5	23205	5	12	13	21.14
16QAM	779.5	23205	5	25	0	21.12
16QAM	782	23230	5	1	0	22.71
16QAM	782	23230	5	1	12	22.65
16QAM	782	23230	5	1	24	22.47
16QAM	782	23230	5	12	0	20.98
16QAM	782	23230	5	12	7	21.12
16QAM	782	23230	5	12	13	21.22
16QAM	782	23230	5	25	0	21.14
16QAM	784.5	23255	5	1	0	22.41
16QAM	784.5	23255	5	1	12	22.97
16QAM	784.5	23255	5	1	24	22.48
16QAM	784.5	23255	5	12	0	21.05
16QAM	784.5	23255	5	12	7	20.95
16QAM	784.5	23255	5	12	13	21.01
16QAM	784.5	23255	5	25	0	21.10
64QAM	779.5	23205	5	1	0	22.32
64QAM	779.5	23205	5	1	12	22.16
64QAM	779.5	23205	5	1	24	22.41
64QAM	779.5	23205	5	12	0	21.11
64QAM	779.5	23205	5	12	7	21.05
64QAM	779.5	23205	5	12	13	21.07
64QAM	779.5	23205	5	25	0	21.17
64QAM	782	23230	5	1	0	22.21
64QAM	782	23230	5	1	12	22.38
64QAM	782	23230	5	1	24	21.92
64QAM	782	23230	5	12	0	21.05
64QAM	782	23230	5	12	7	21.19
64QAM	782	23230	5	12	13	21.04
64QAM	782	23230	5	25	0	21.10
64QAM	784.5	23255	5	1	0	22.18
64QAM	784.5	23255	5	1	12	22.63
64QAM	784.5	23255	5	1	24	22.20
64QAM	784.5	23255	5	12	0	21.16
64QAM	784.5	23255	5	12	7	21.01
64QAM	784.5	23255	5	12	13	21.11
64QAM	784.5	23255	5	25	0	20.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	23.18
QPSK	782	23230	10	1	25	23.07
QPSK	782	23230	10	1	49	22.93
QPSK	782	23230	10	25	0	22.06
QPSK	782	23230	10	25	12	22.13
QPSK	782	23230	10	25	25	22.11
QPSK	782	23230	10	50	0	22.12
QPSK	782	23230	10	1	0	22.96
QPSK	782	23230	10	1	25	22.94
QPSK	782	23230	10	1	49	22.94
QPSK	782	23230	10	25	0	22.05
QPSK	782	23230	10	25	12	22.03
QPSK	782	23230	10	25	25	22.10
QPSK	782	23230	10	50	0	22.14
QPSK	782	23230	10	1	0	23.43
QPSK	782	23230	10	1	25	23.13
QPSK	782	23230	10	1	49	22.92
QPSK	782	23230	10	25	0	22.17
QPSK	782	23230	10	25	12	22.04
QPSK	782	23230	10	25	25	22.15
QPSK	782	23230	10	50	0	22.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	782	23230	10	1	0	22.57
16QAM	782	23230	10	1	25	22.56
16QAM	782	23230	10	1	49	22.52
16QAM	782	23230	10	25	0	21.15
16QAM	782	23230	10	25	12	21.08
16QAM	782	23230	10	25	25	21.07
16QAM	782	23230	10	50	0	20.98
16QAM	782	23230	10	1	0	22.25
16QAM	782	23230	10	1	25	22.42
16QAM	782	23230	10	1	49	22.39
16QAM	782	23230	10	25	0	21.04
16QAM	782	23230	10	25	12	20.98
16QAM	782	23230	10	25	25	21.15
16QAM	782	23230	10	50	0	21.15
16QAM	782	23230	10	1	0	22.47
16QAM	782	23230	10	1	25	22.53
16QAM	782	23230	10	1	49	22.26
16QAM	782	23230	10	25	0	21.08
16QAM	782	23230	10	25	12	21.07
16QAM	782	23230	10	25	25	21.11
16QAM	782	23230	10	50	0	21.09
64QAM	782	23230	10	1	0	21.49
64QAM	782	23230	10	1	25	21.39
64QAM	782	23230	10	1	49	21.09
64QAM	782	23230	10	25	0	20.12
64QAM	782	23230	10	25	12	20.18
64QAM	782	23230	10	25	25	20.03
64QAM	782	23230	10	50	0	20.14
64QAM	782	23230	10	1	0	20.77
64QAM	782	23230	10	1	25	21.64
64QAM	782	23230	10	1	49	20.79
64QAM	782	23230	10	25	0	20.11
64QAM	782	23230	10	25	12	20.13
64QAM	782	23230	10	25	25	20.05
64QAM	782	23230	10	50	0	20.07
64QAM	782	23230	10	1	0	21.41
64QAM	782	23230	10	1	25	21.38
64QAM	782	23230	10	1	49	21.16
64QAM	782	23230	10	25	0	20.10
64QAM	782	23230	10	25	12	20.07
64QAM	782	23230	10	25	25	20.05
64QAM	782	23230	10	50	0	20.06

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	QPSK	779.5	23205	5	25	0	4.443	Fig.1
13	QPSK	782	23230	5	25	0	4.475	Fig.2
13	QPSK	784.5	23255	5	25	0	4.456	Fig.3
13	QPSK	782	23230	10	50	0	8.943	Fig.4
13	QPSK	782	23230	10	50	0	8.879	Fig.5
13	QPSK	782	23230	10	50	0	8.904	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	16QAM	779.5	23205	5	25	0	4.460	Fig.7
13	16QAM	782	23230	5	25	0	4.453	Fig.8
13	16QAM	784.5	23255	5	25	0	4.455	Fig.9
13	16QAM	782	23230	10	50	0	8.893	Fig.10
13	16QAM	782	23230	10	50	0	8.869	Fig.11
13	16QAM	782	23230	10	50	0	8.929	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	64QAM	779.5	23205	5	25	0	4.466	Fig.13
13	64QAM	782	23230	5	25	0	4.467	Fig.14
13	64QAM	784.5	23255	5	25	0	4.453	Fig.15
13	64QAM	782	23230	10	50	0	8.884	Fig.16
13	64QAM	782	23230	10	50	0	8.902	Fig.17
13	64QAM	782	23230	10	50	0	8.890	Fig.18

Test Mode: QPSK

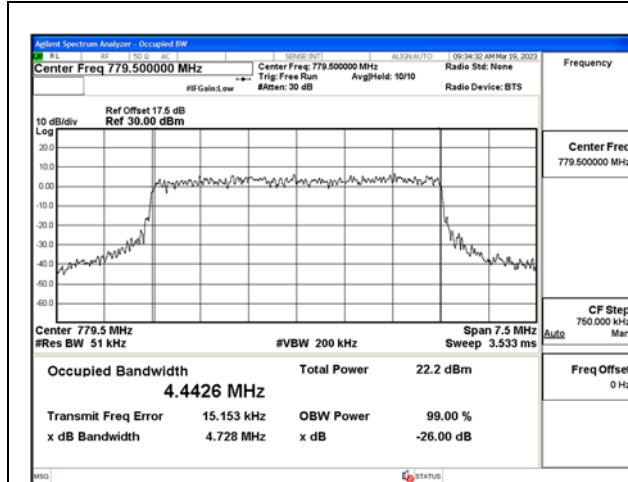


Fig.1

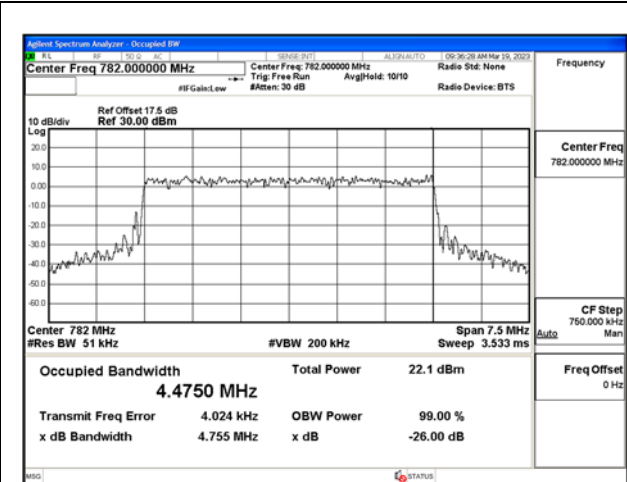


Fig.2

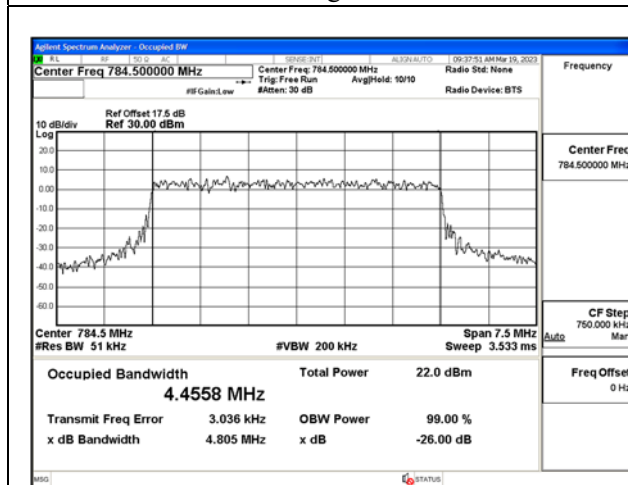


Fig.3

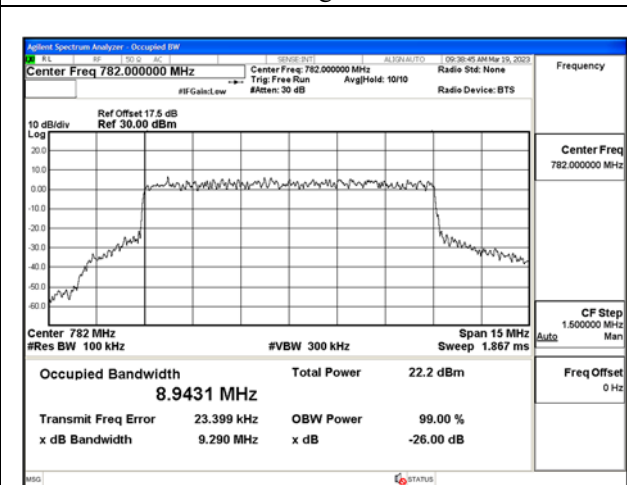


Fig.4

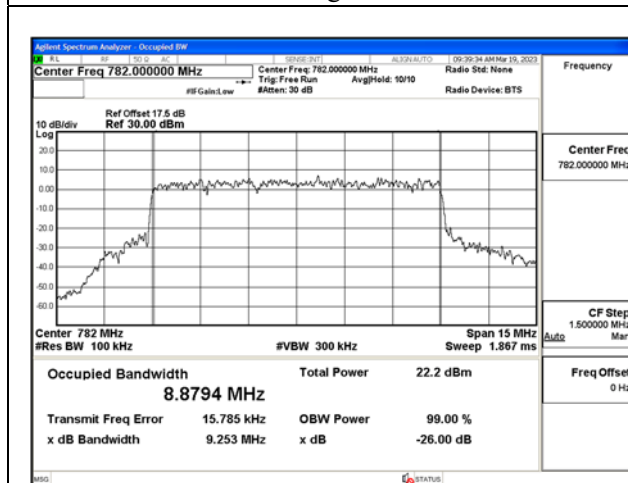


Fig.5

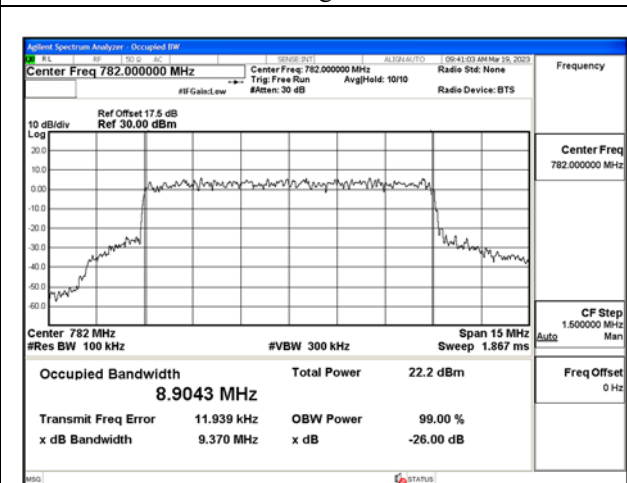


Fig.6

Test Mode: 16QAM

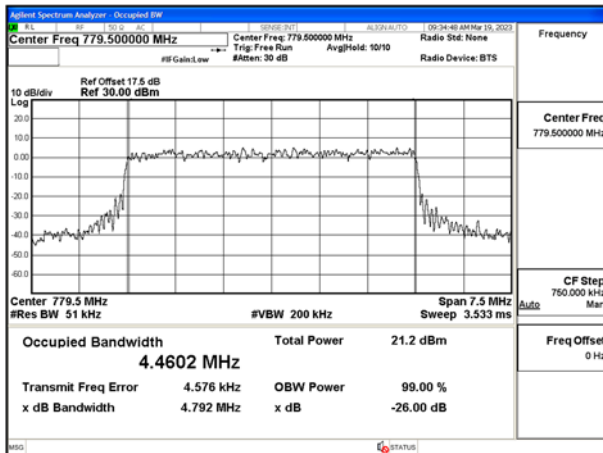


Fig.7

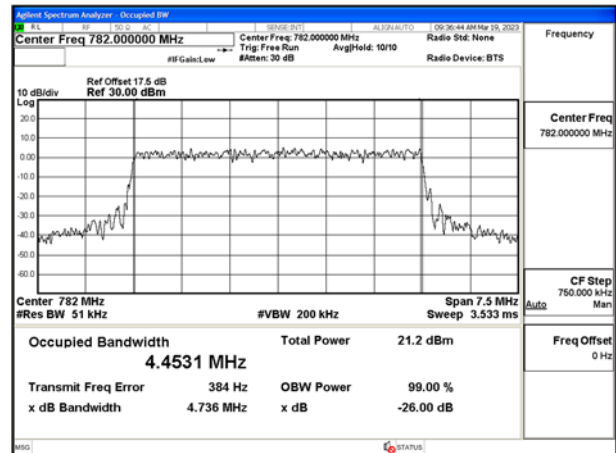


Fig.8

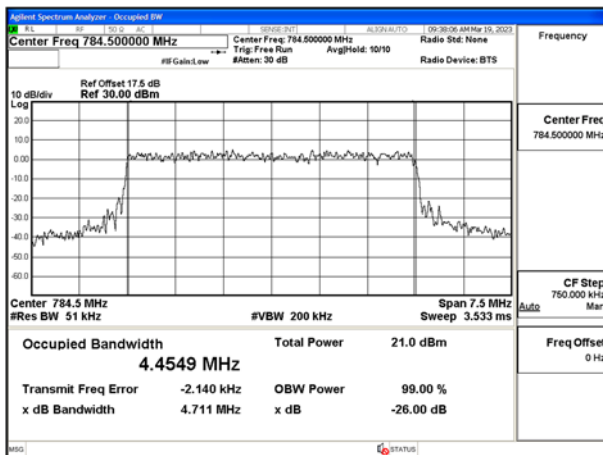


Fig.9

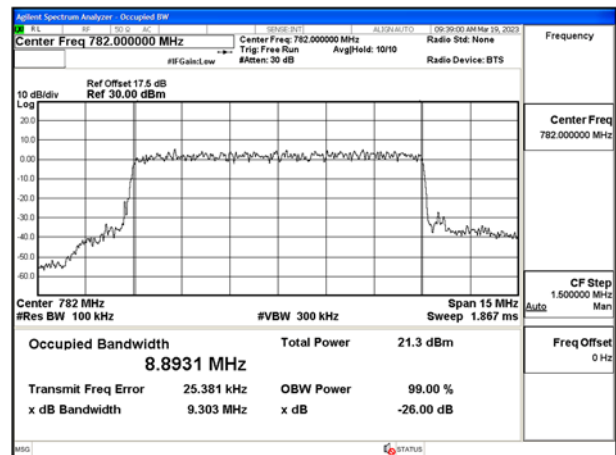


Fig.10

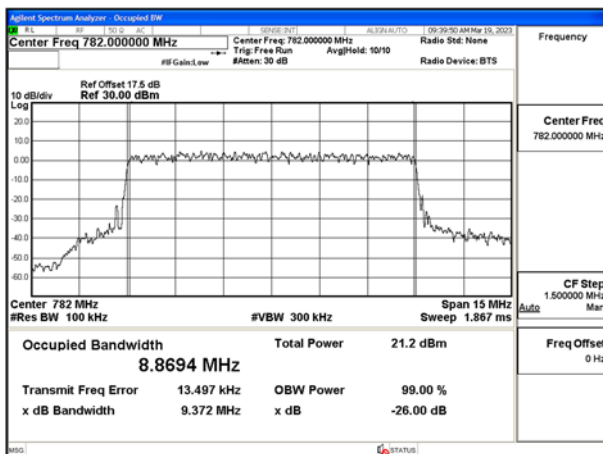


Fig.11

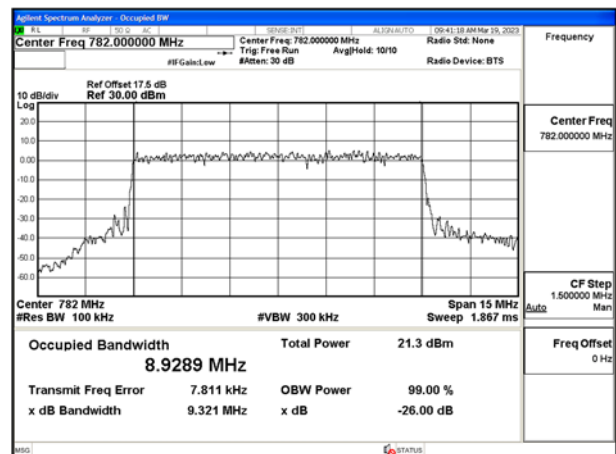


Fig.12

Test Mode: 64QAM

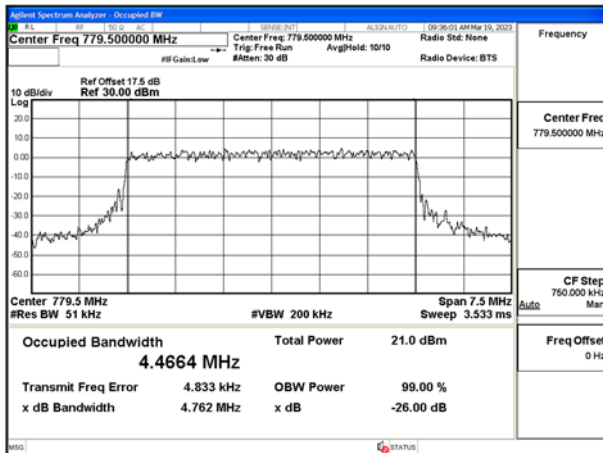


Fig.13

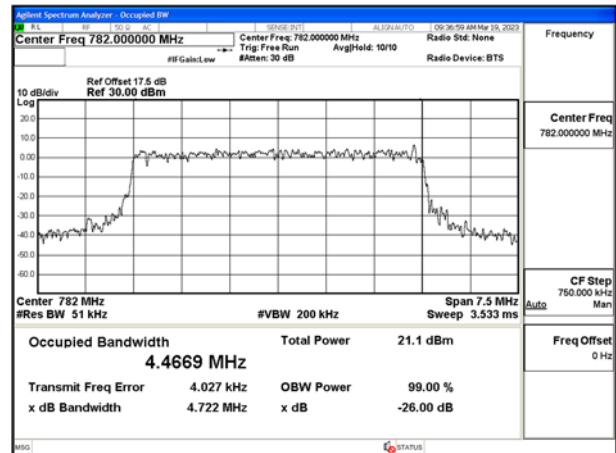


Fig.14

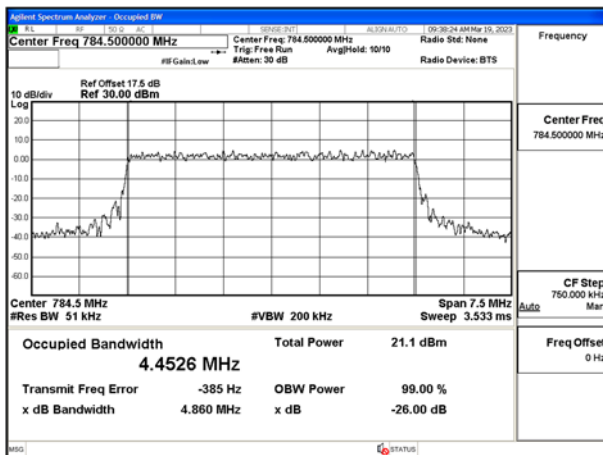


Fig.15

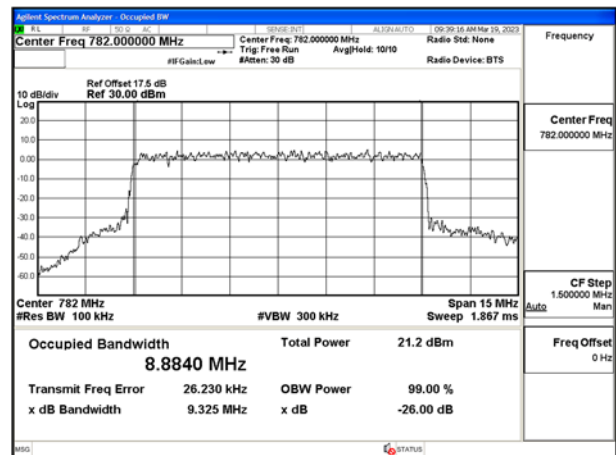


Fig.16

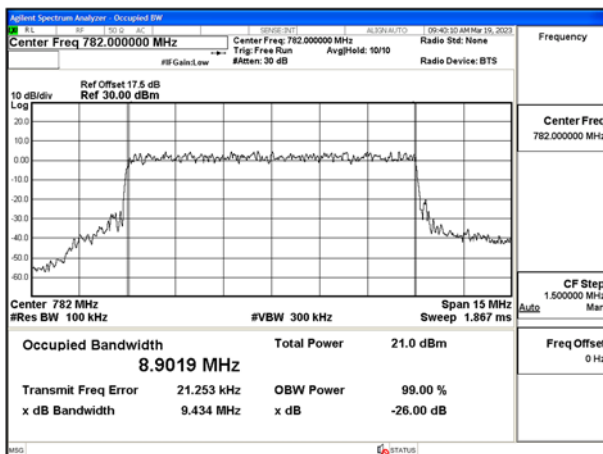


Fig.17

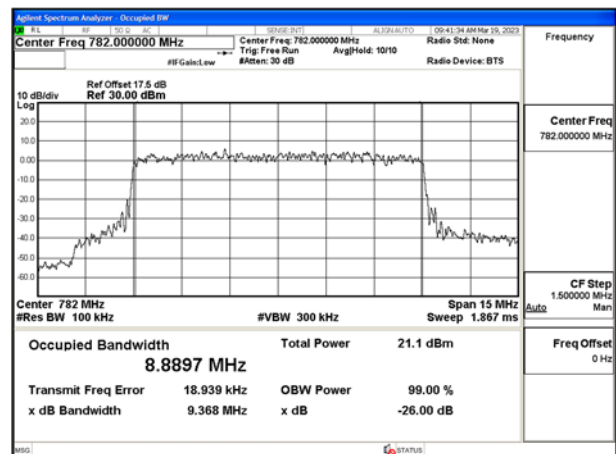


Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	QPSK	779.5	23205	5	25	0	4.728	Fig.1
13	QPSK	782	23230	5	25	0	4.755	Fig.2
13	QPSK	784.5	23255	5	25	0	4.805	Fig.3
13	QPSK	782	23230	10	50	0	9.290	Fig.4
13	QPSK	782	23230	10	50	0	9.253	Fig.5
13	QPSK	782	23230	10	50	0	9.370	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	16QAM	779.5	23205	5	25	0	4.792	Fig.7
13	16QAM	782	23230	5	25	0	4.736	Fig.8
13	16QAM	784.5	23255	5	25	0	4.711	Fig.9
13	16QAM	782	23230	10	50	0	9.303	Fig.10
13	16QAM	782	23230	10	50	0	9.372	Fig.11
13	16QAM	782	23230	10	50	0	9.321	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	64QAM	779.5	23205	5	25	0	4.762	Fig.13
13	64QAM	782	23230	5	25	0	4.722	Fig.14
13	64QAM	784.5	23255	5	25	0	4.860	Fig.15
13	64QAM	782	23230	10	50	0	9.325	Fig.16
13	64QAM	782	23230	10	50	0	9.434	Fig.17
13	64QAM	782	23230	10	50	0	9.368	Fig.18

Test Mode: QPSK

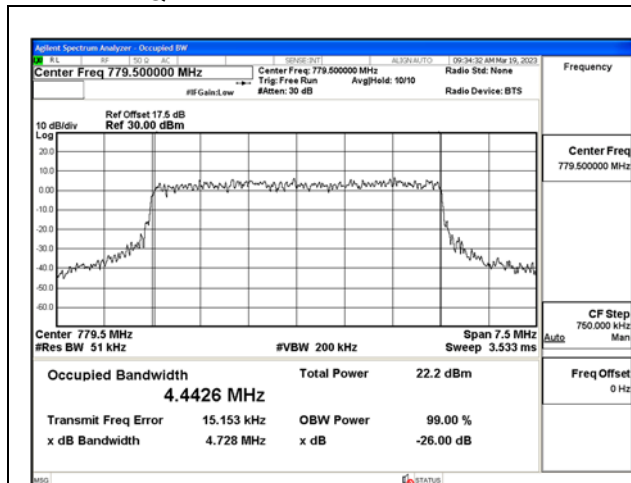


Fig.1

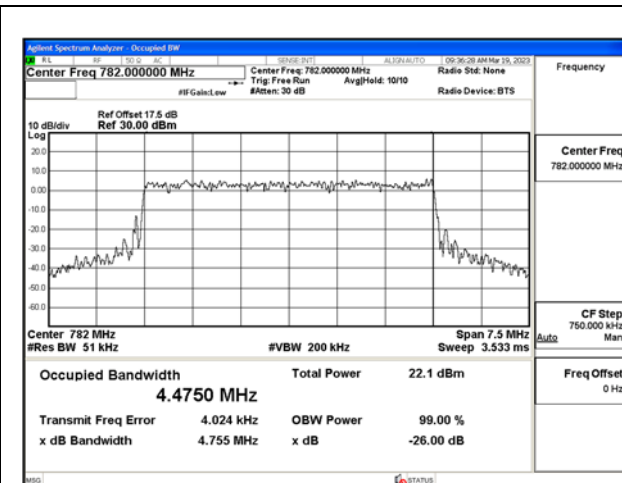


Fig.2

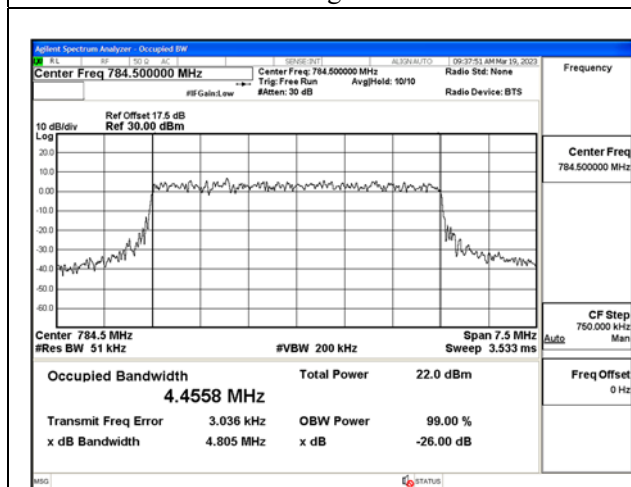


Fig.3

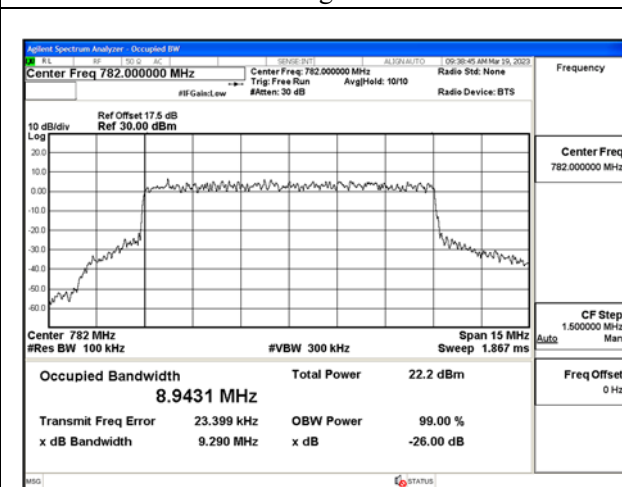


Fig.4

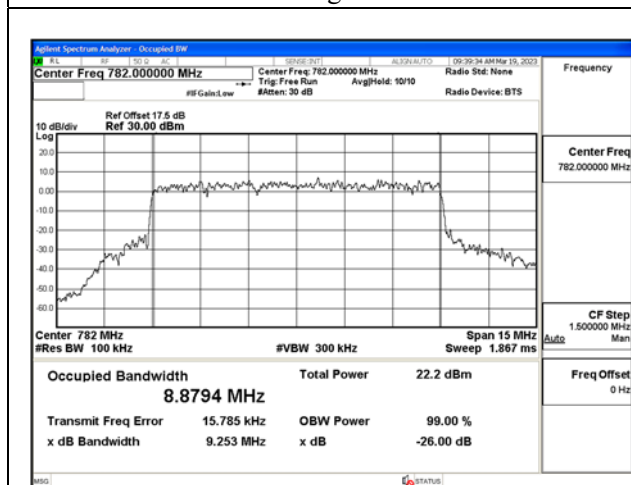


Fig.5

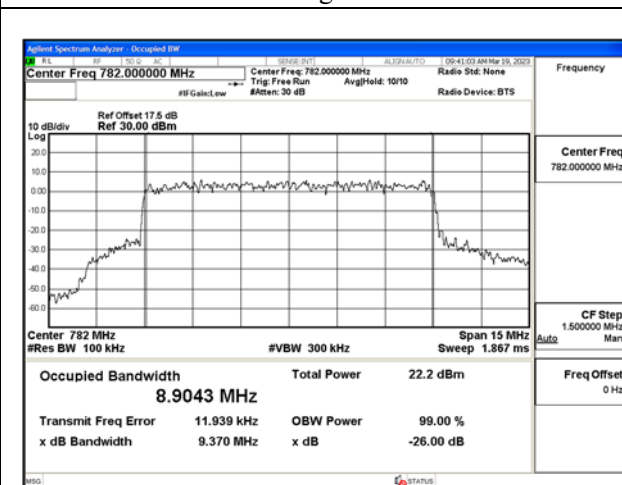


Fig.6

Test Mode: 16QAM

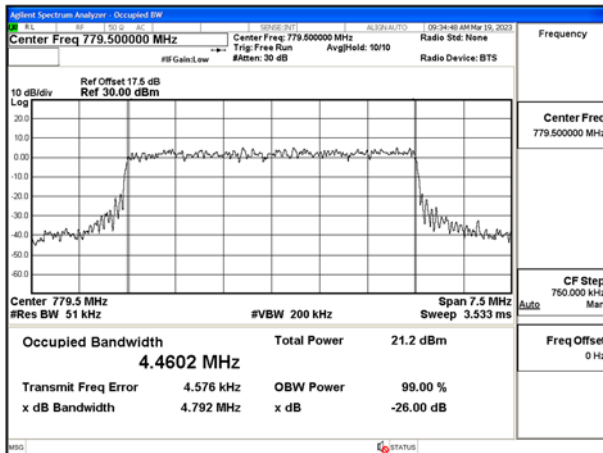


Fig.7

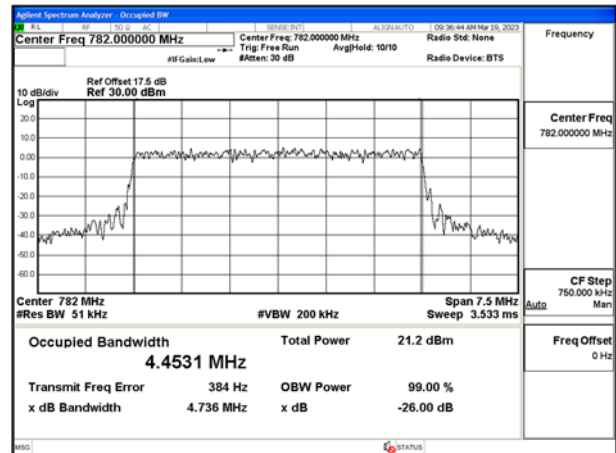


Fig.8

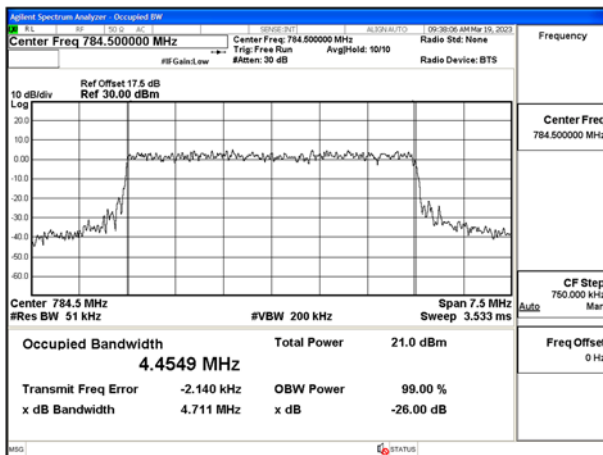


Fig.9

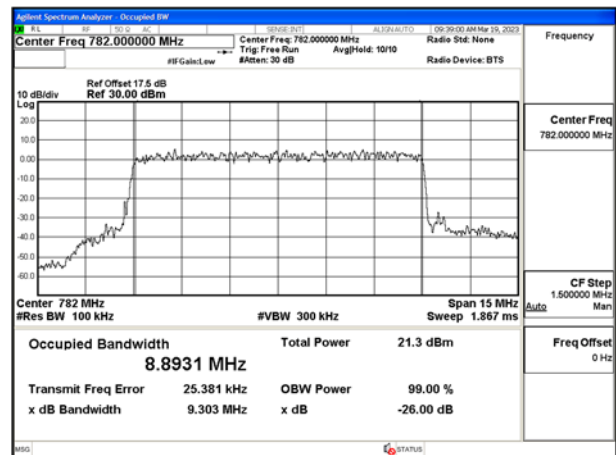


Fig.10

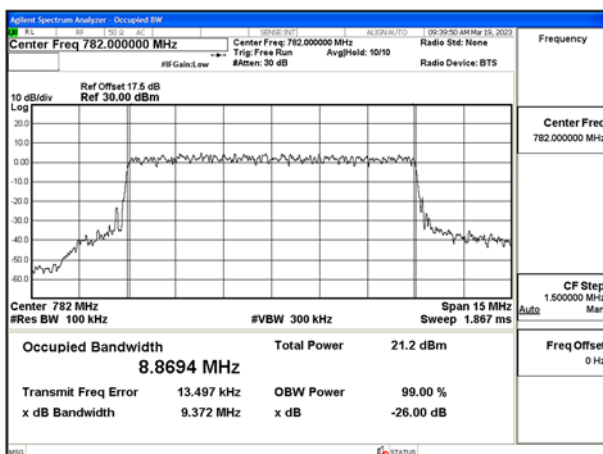


Fig.11

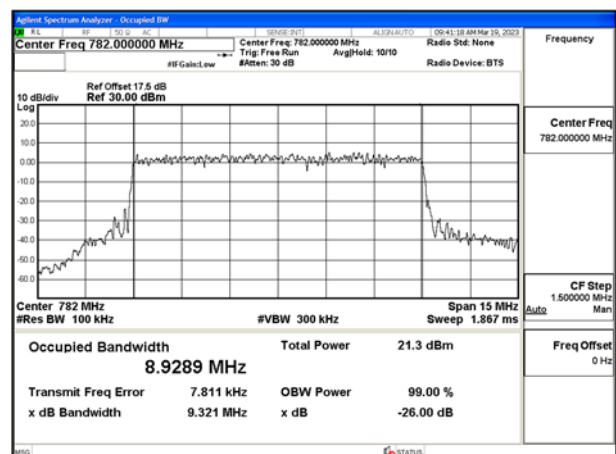


Fig.12

Test Mode: 64QAM

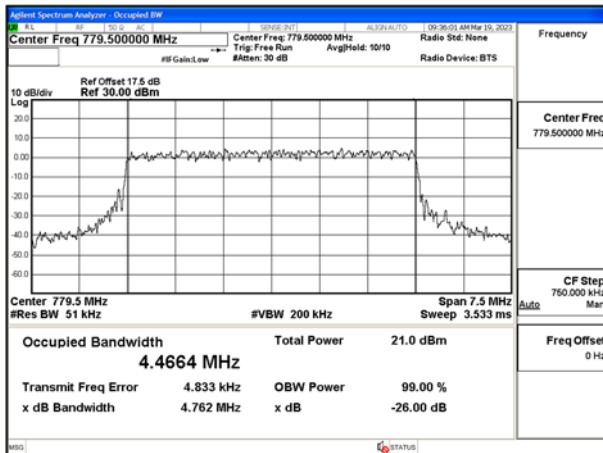


Fig.13

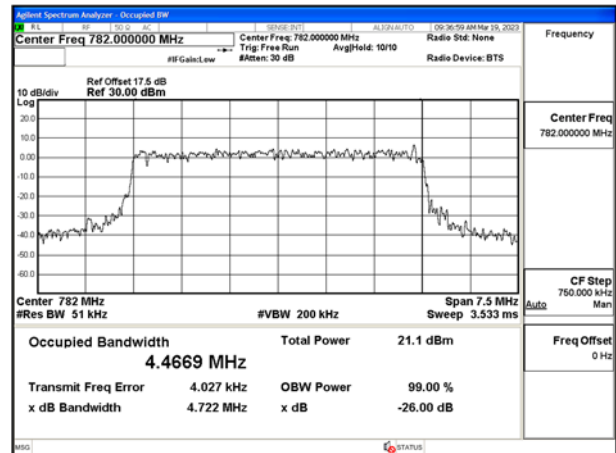


Fig.14

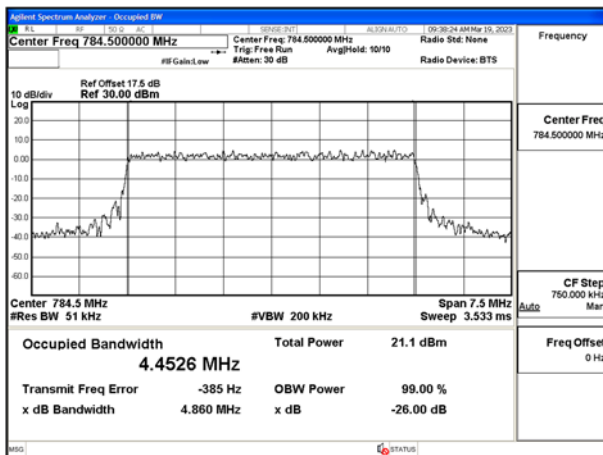


Fig.15

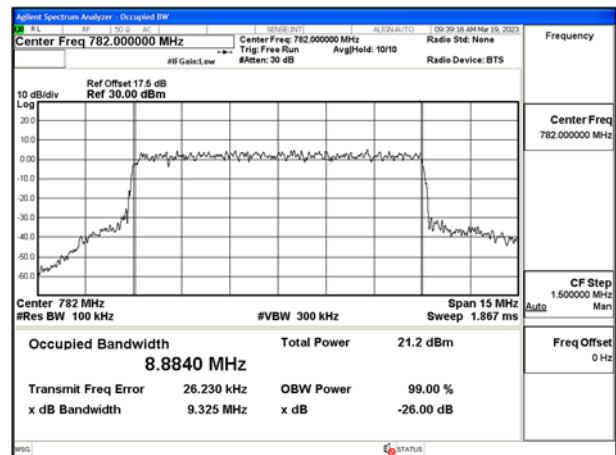


Fig.16

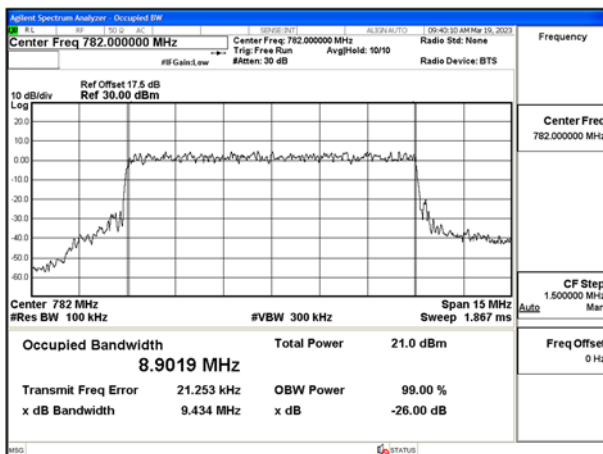


Fig.17

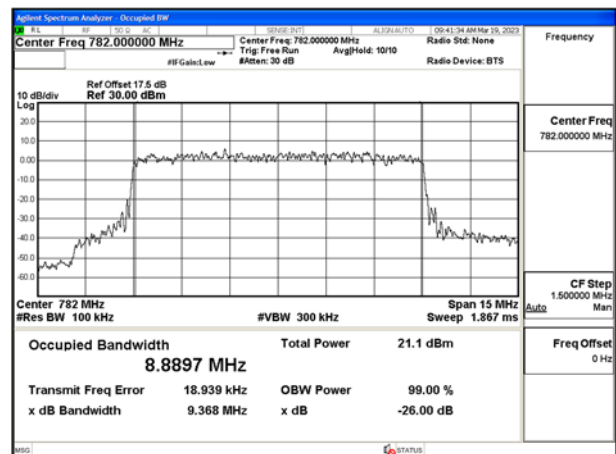


Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
13	779.5	23205	5	1	24	Fig.1	Fig.2	Fig.3
13	779.5	23205	5	25	0	Fig.4	Fig.5	Fig.6
13	782	23230	5	1	24	Fig.7	Fig.8	Fig.9
13	782	23230	5	25	0	Fig.10	Fig.11	Fig.12
13	784.5	23255	5	1	24	Fig.13	Fig.14	Fig.15
13	784.5	23255	5	25	0	Fig.16	Fig.17	Fig.18
13	782	23230	10	1	49	Fig.19	Fig.20	Fig.21
13	782	23230	10	50	0	Fig.22	Fig.23	Fig.24

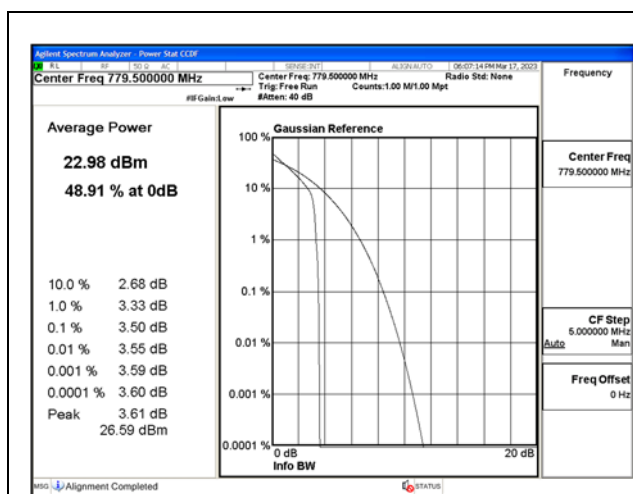


Fig.1

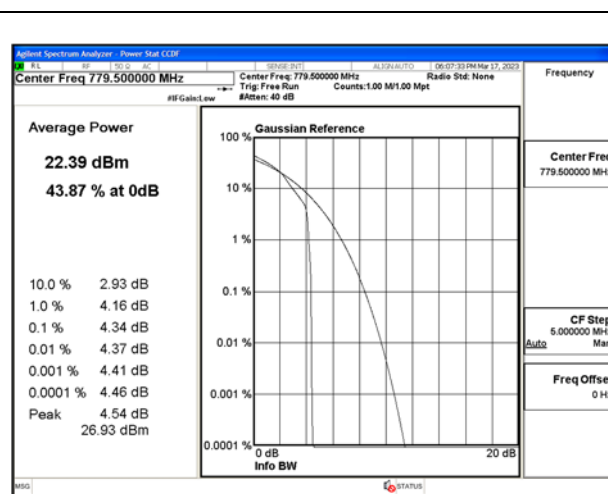


Fig.2

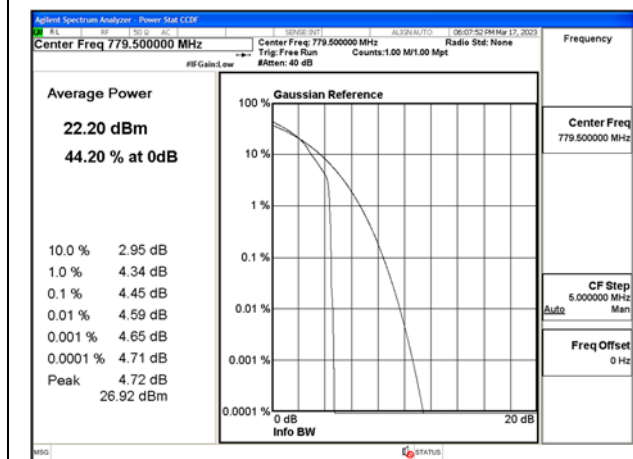


Fig.3

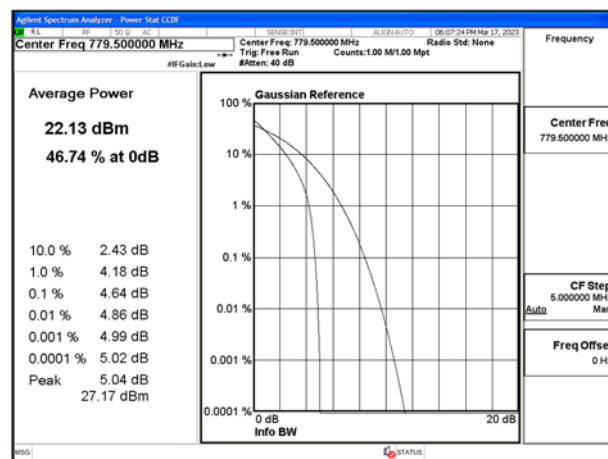


Fig.4

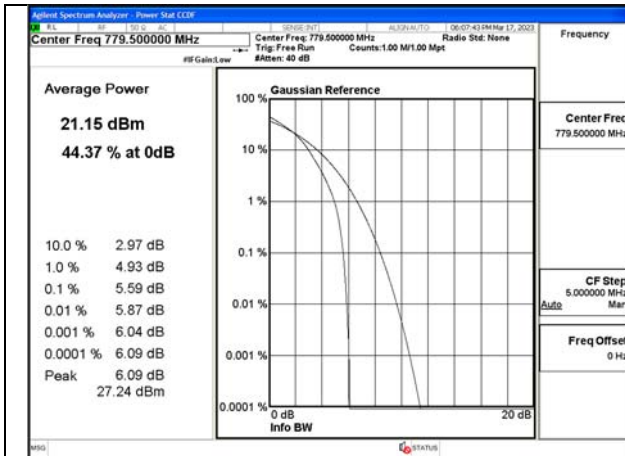


Fig.5

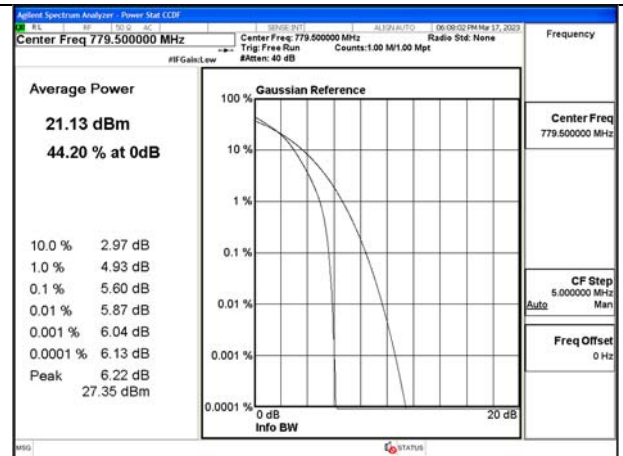


Fig.6

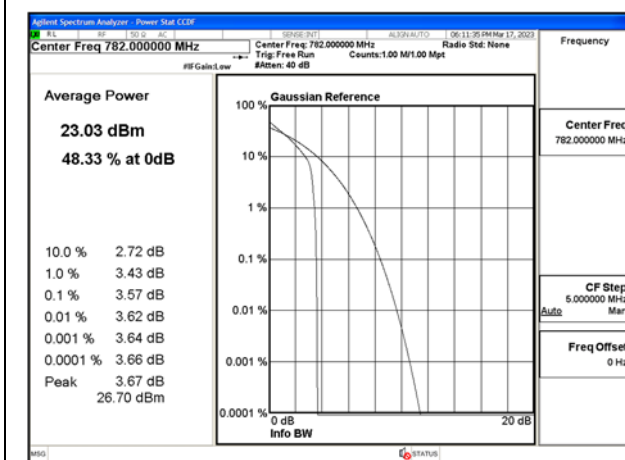


Fig.7

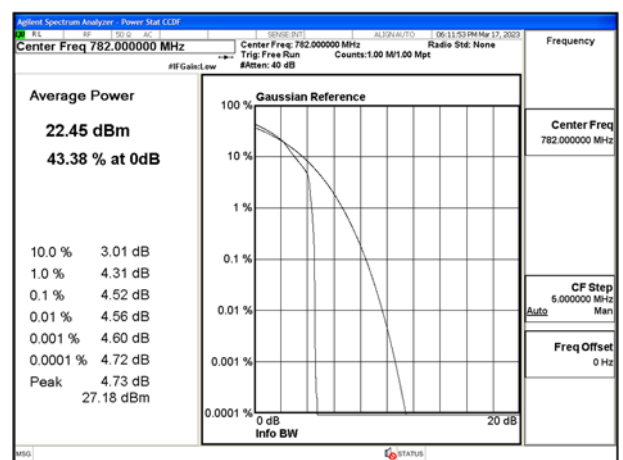


Fig.8

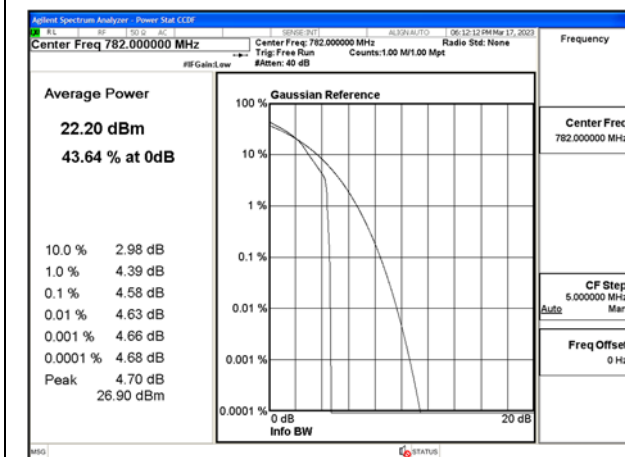


Fig.9

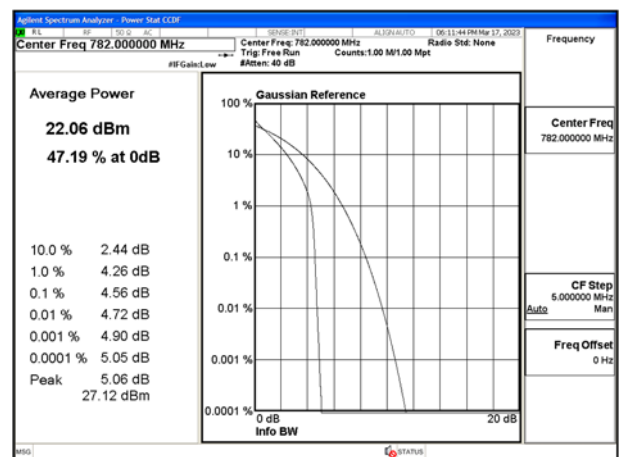


Fig.10

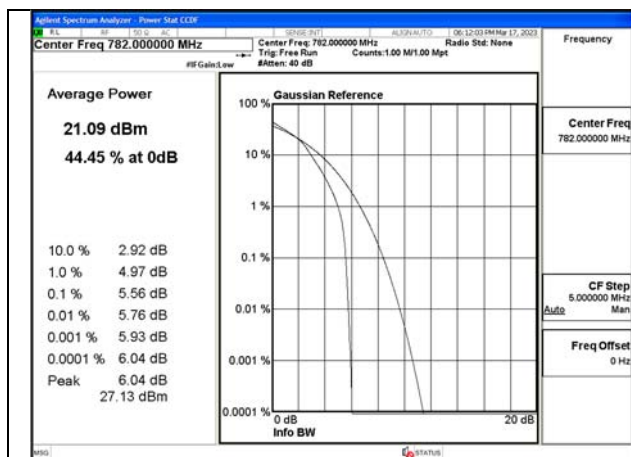


Fig.11

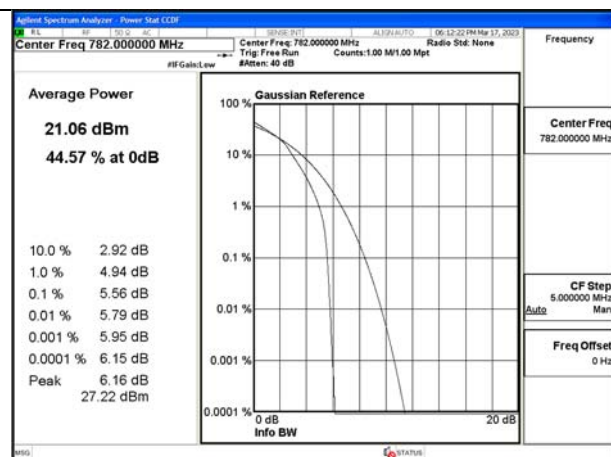


Fig.12

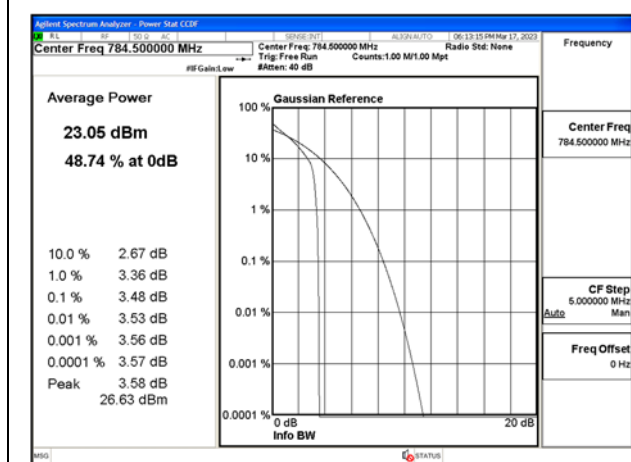


Fig.13

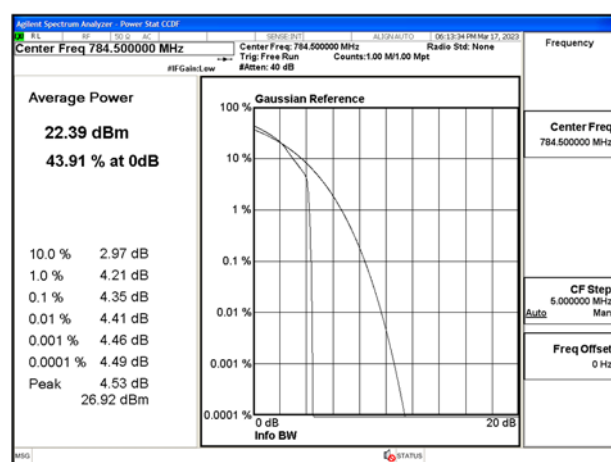


Fig.14

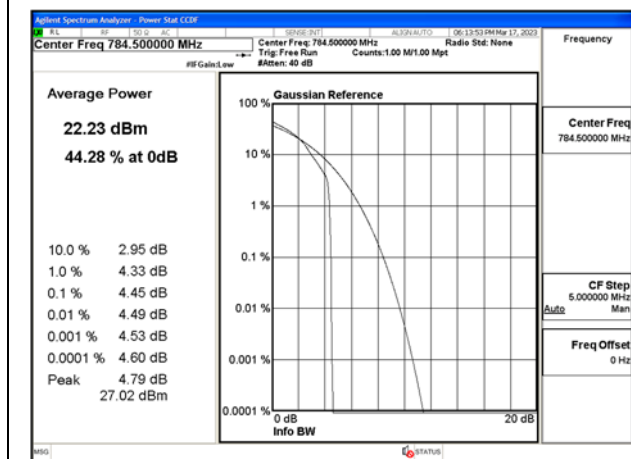


Fig.15

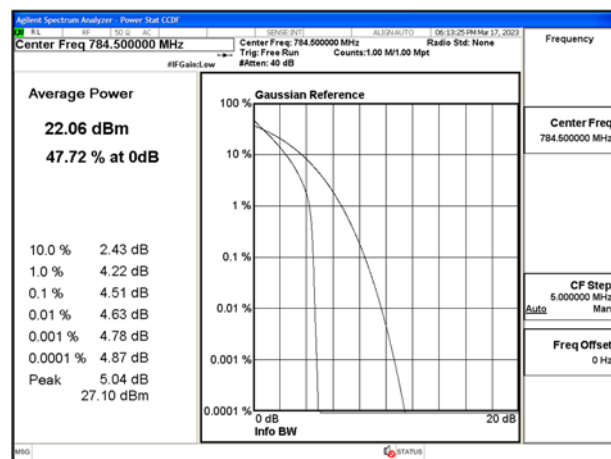


Fig.16

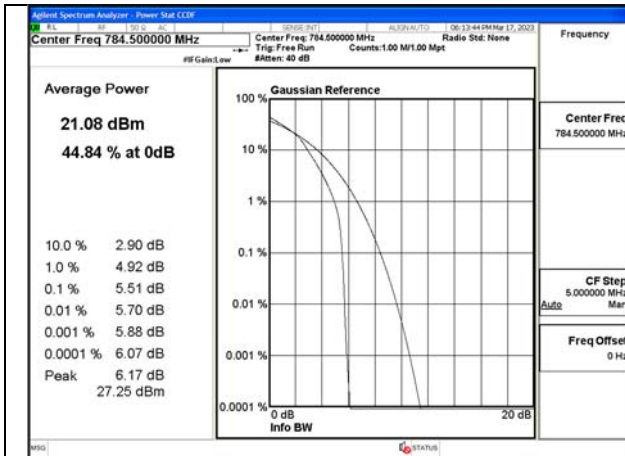


Fig.17

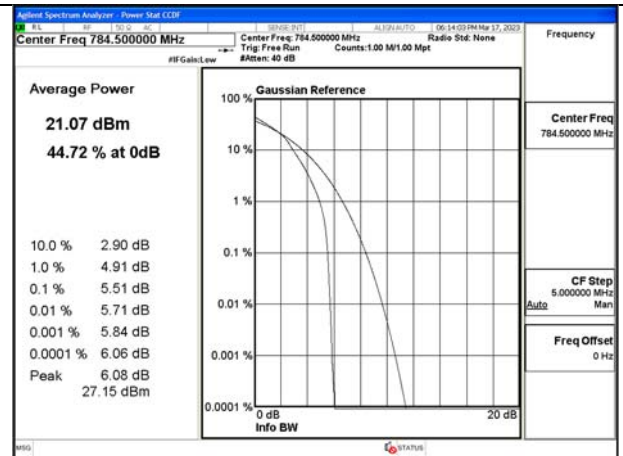


Fig.18

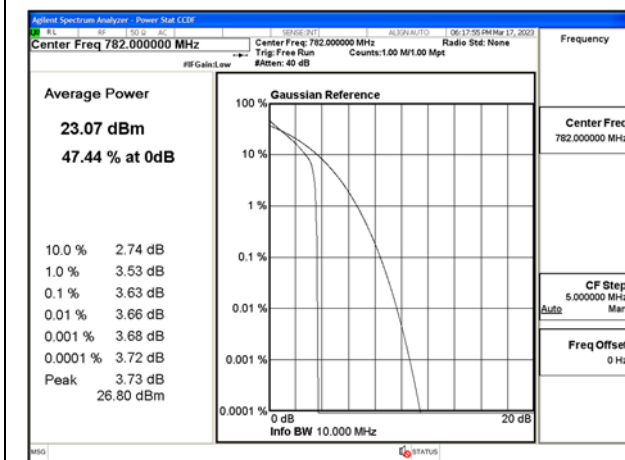


Fig.19

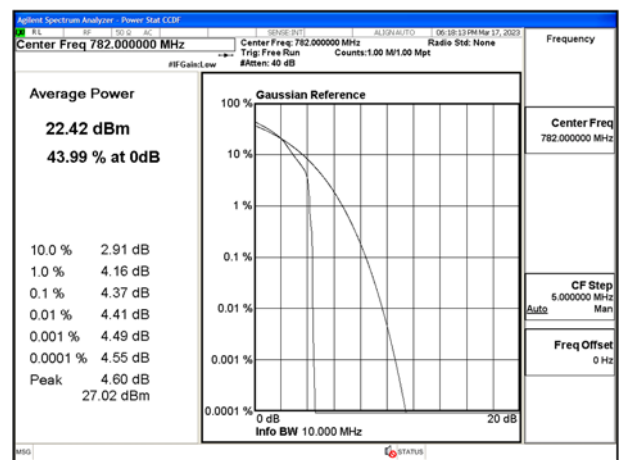


Fig.20

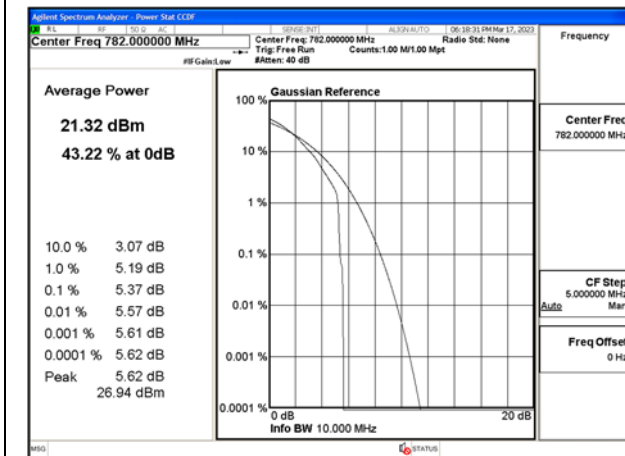


Fig.21

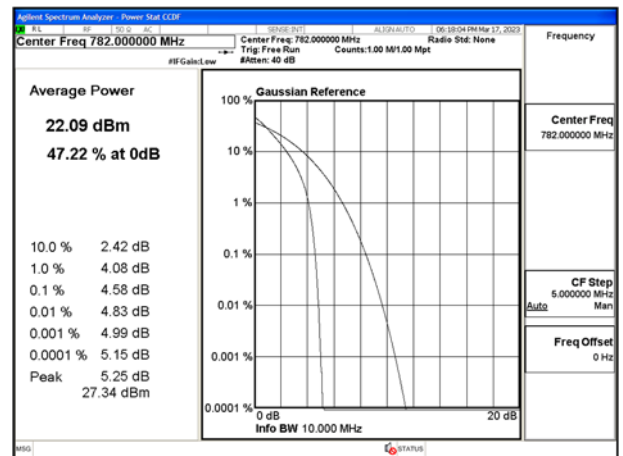


Fig.22

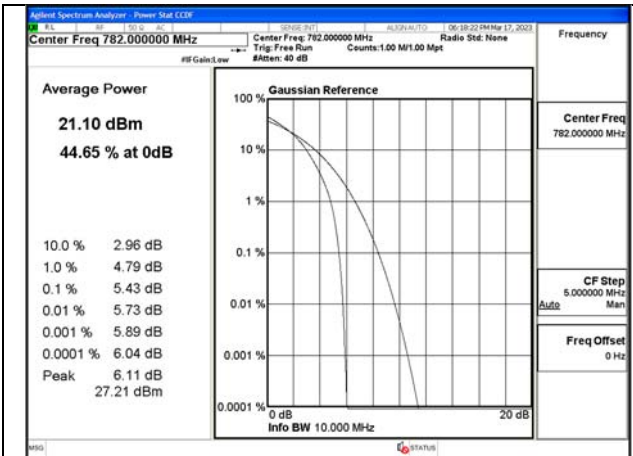


Fig.23

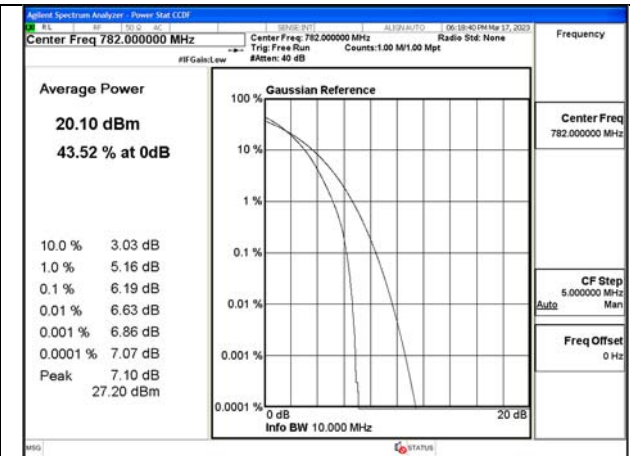


Fig.24

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
13	782	23230	10	1	0	Fig.1
13	782	23230	10	1	0	Fig.2
13	782	23230	10	1	0	Fig.3

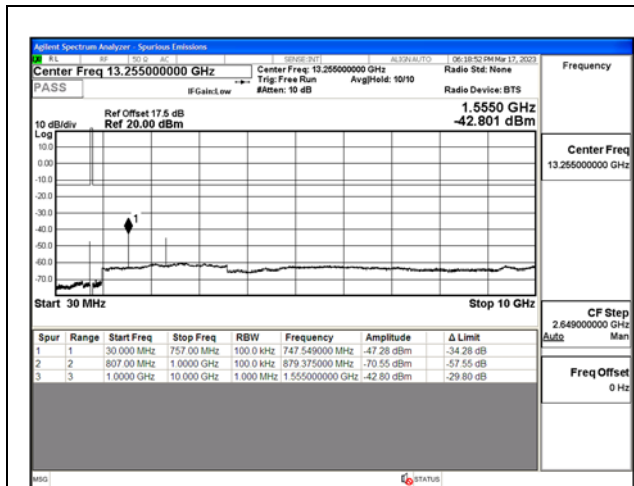


Fig.1

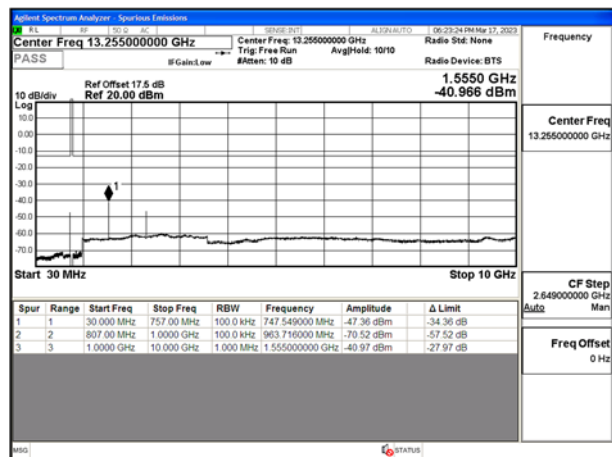


Fig.2

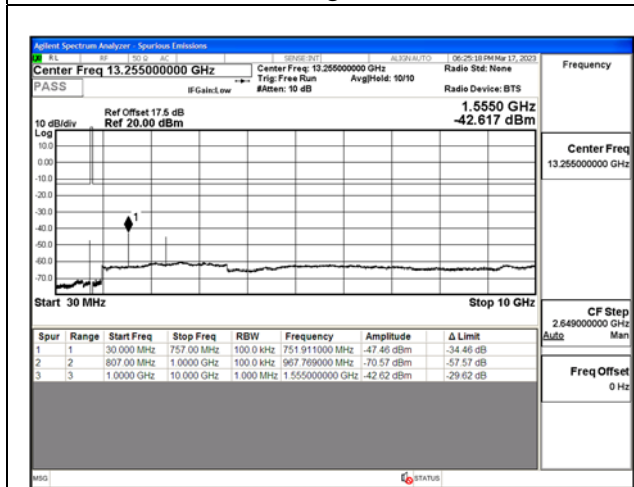


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
13	QPSK	779.5	23205	5	1	0	Fig.1
13	QPSK	779.5	23205	5	1	0	Fig.2
13	QPSK	779.5	23205	5	25	0	Fig.3
13	QPSK	779.5	23205	5	25	0	Fig.4
13	QPSK	784.5	23255	5	1	24	Fig.5
13	QPSK	784.5	23255	5	1	24	Fig.6
13	QPSK	784.5	23255	5	25	0	Fig.7
13	QPSK	784.5	23255	5	25	0	Fig.8
13	QPSK	782	23230	10	1	0	Fig.9
13	QPSK	782	23230	10	1	0	Fig.10
13	QPSK	782	23230	10	50	0	Fig.11
13	QPSK	782	23230	10	50	0	Fig.12
13	QPSK	782	23230	10	1	49	Fig.13
13	QPSK	782	23230	10	1	49	Fig.14
13	QPSK	782	23230	10	50	0	Fig.15
13	QPSK	782	23230	10	50	0	Fig.16

Test Mode: QPSK

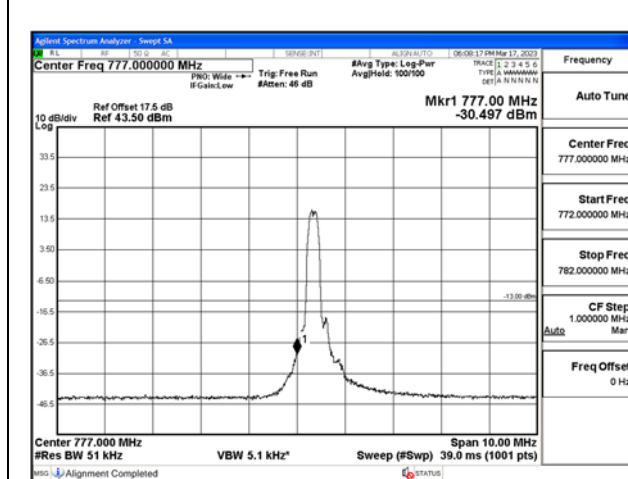


Fig.1

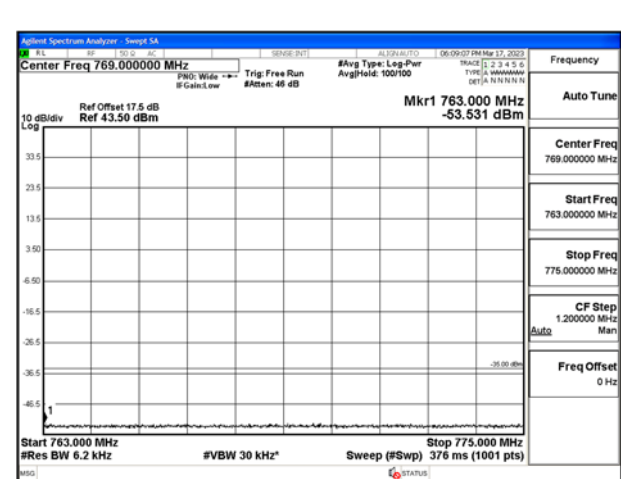


Fig.2

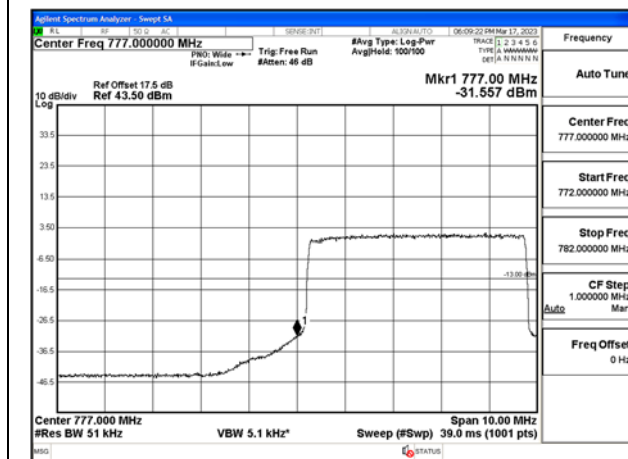


Fig.3

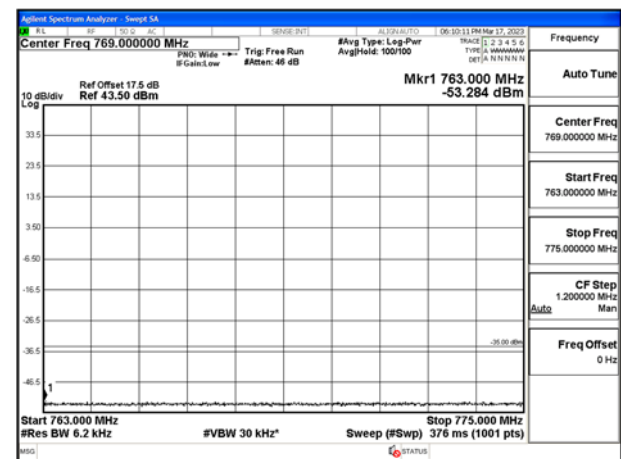


Fig.4

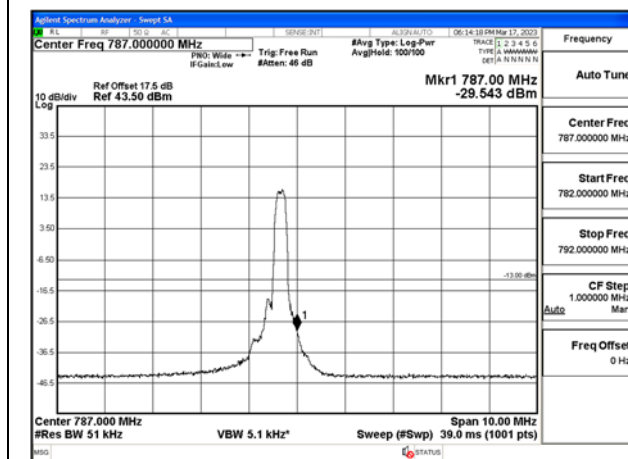


Fig.5

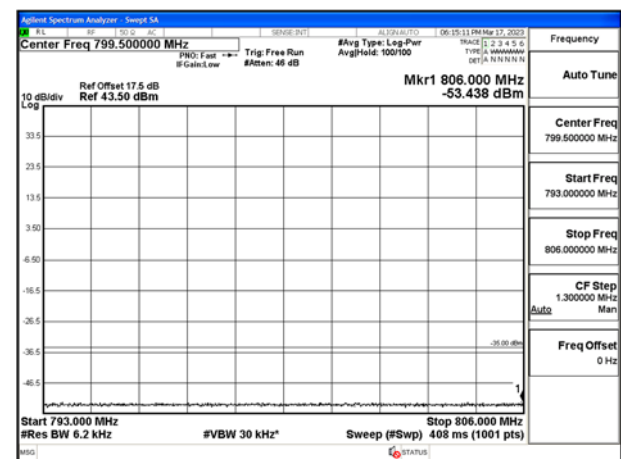


Fig.6

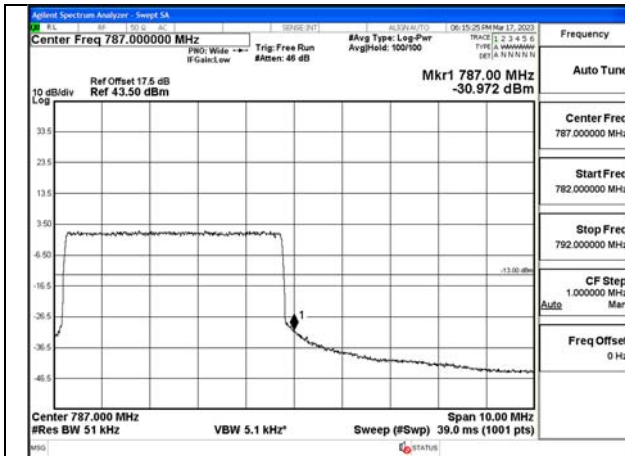


Fig.7

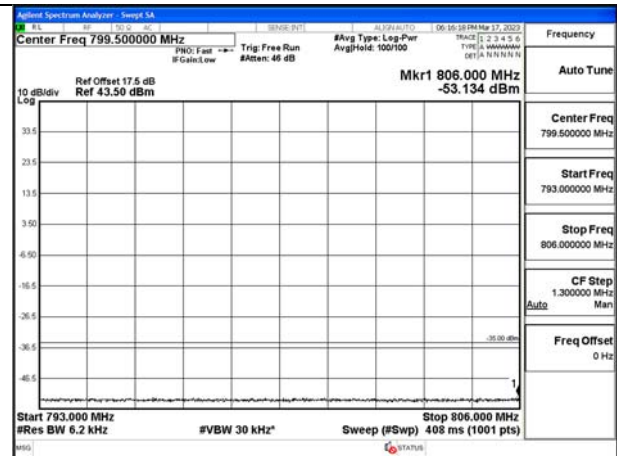


Fig.8

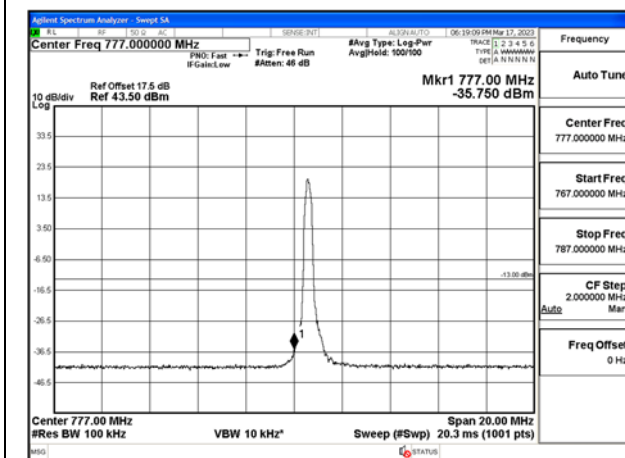


Fig.9

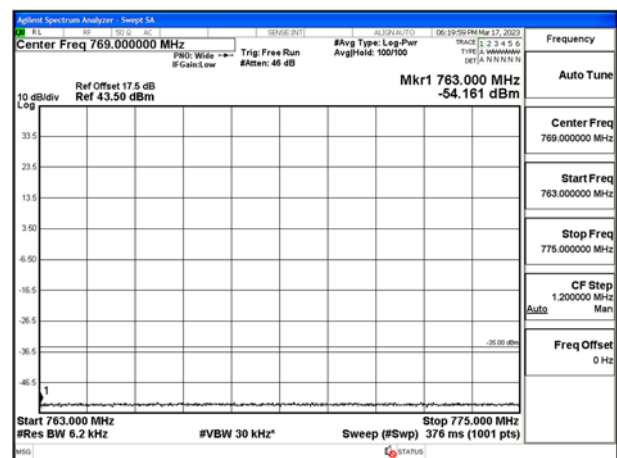


Fig.10

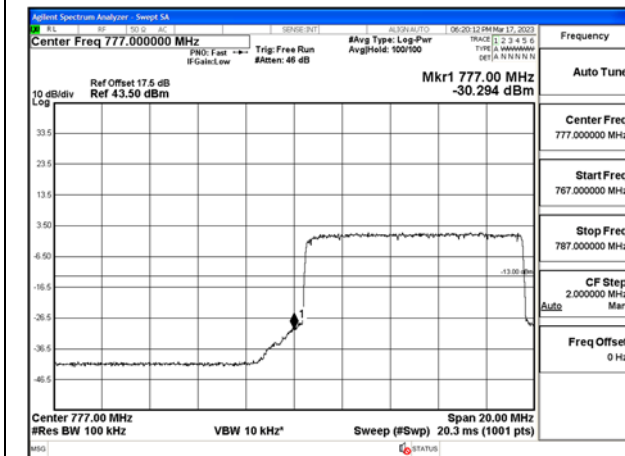


Fig.11

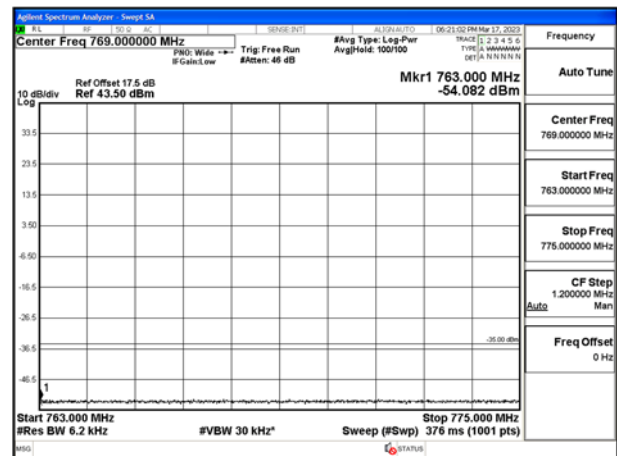


Fig.12

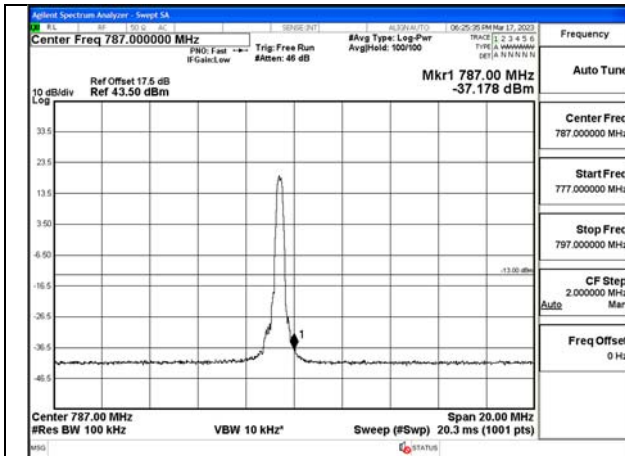


Fig.13

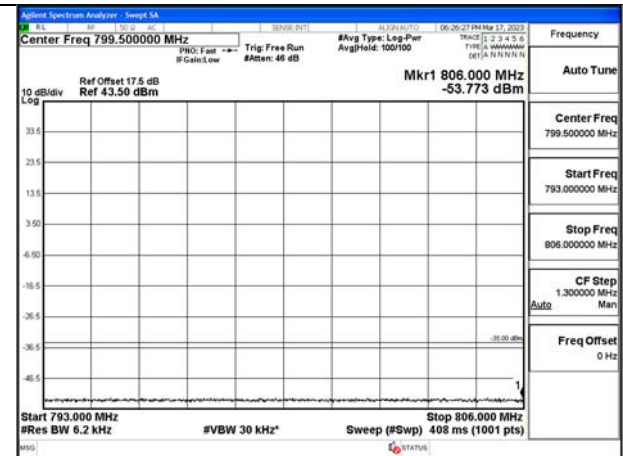


Fig.14

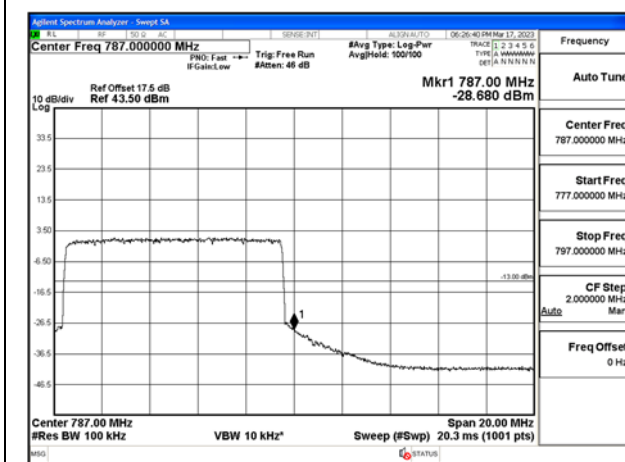


Fig.15

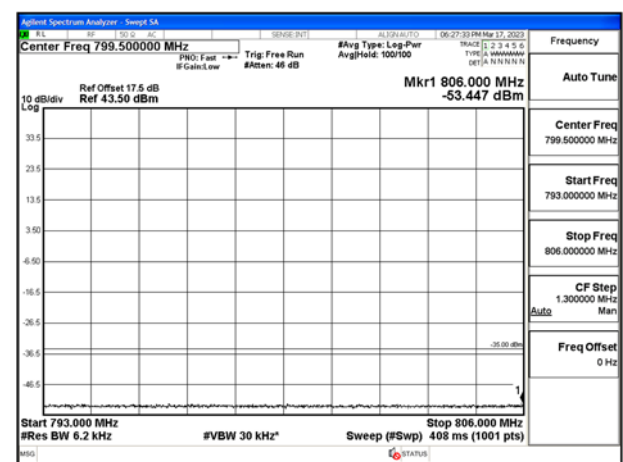


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK	
		5M	10M
-10	NV	-0.009	0.009
0	NV	-0.007	0.005
+10	NV	0.010	0.005
+20	NV	-0.006	0.006
+30	NV	-0.002	0.007
+40	NV	-0.004	0.007
+50	NV	-0.002	0.004
+55	NV	-0.011	-0.006
+20	LV	0.005	-0.005
+20	HV	-0.008	0.005

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK	
		5M	10M
-10	NV	-0.006	0.006
0	NV	0.008	-0.008
+10	NV	0.007	-0.003
+20	NV	0.006	0.007
+30	NV	0.005	0.007
+40	NV	0.010	0.003
+50	NV	0.006	0.006
+55	NV	0.009	-0.006
+20	LV	0.004	0.004
+20	HV	0.006	0.005

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	779.5	23205	5	1	0	23.13	17.48	0.056
QPSK	779.5	23205	5	1	12	23.21	17.56	0.057
QPSK	779.5	23205	5	1	24	23.00	17.35	0.054
QPSK	779.5	23205	5	12	0	22.16	16.51	0.045
QPSK	779.5	23205	5	12	7	22.14	16.49	0.045
QPSK	779.5	23205	5	12	13	22.11	16.46	0.044
QPSK	779.5	23205	5	25	0	22.11	16.46	0.044
QPSK	782	23230	5	1	0	23.25	17.60	0.058
QPSK	782	23230	5	1	12	23.31	17.66	0.058
QPSK	782	23230	5	1	24	23.04	17.39	0.055
QPSK	782	23230	5	12	0	22.03	16.38	0.043
QPSK	782	23230	5	12	7	22.09	16.44	0.044
QPSK	782	23230	5	12	13	22.11	16.46	0.044
QPSK	782	23230	5	25	0	22.00	16.35	0.043
QPSK	784.5	23255	5	1	0	22.93	17.28	0.053
QPSK	784.5	23255	5	1	12	23.18	17.53	0.057
QPSK	784.5	23255	5	1	24	22.99	17.34	0.054
QPSK	784.5	23255	5	12	0	22.04	16.39	0.044
QPSK	784.5	23255	5	12	7	22.06	16.41	0.044
QPSK	784.5	23255	5	12	13	22.14	16.49	0.045
QPSK	784.5	23255	5	25	0	21.99	16.34	0.043

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	779.5	23205	5	1	0	22.65	17.00	0.050
16QAM	779.5	23205	5	1	12	22.43	16.78	0.048
16QAM	779.5	23205	5	1	24	22.42	16.77	0.048
16QAM	779.5	23205	5	12	0	21.08	15.43	0.035
16QAM	779.5	23205	5	12	7	21.04	15.39	0.035
16QAM	779.5	23205	5	12	13	21.14	15.49	0.035
16QAM	779.5	23205	5	25	0	21.12	15.47	0.035
16QAM	782	23230	5	1	0	22.71	17.06	0.051
16QAM	782	23230	5	1	12	22.65	17.00	0.050
16QAM	782	23230	5	1	24	22.47	16.82	0.048
16QAM	782	23230	5	12	0	20.98	15.33	0.034
16QAM	782	23230	5	12	7	21.12	15.47	0.035
16QAM	782	23230	5	12	13	21.22	15.57	0.036
16QAM	782	23230	5	25	0	21.14	15.49	0.035
16QAM	784.5	23255	5	1	0	22.41	16.76	0.047
16QAM	784.5	23255	5	1	12	22.97	17.32	0.054
16QAM	784.5	23255	5	1	24	22.48	16.83	0.048
16QAM	784.5	23255	5	12	0	21.05	15.40	0.035
16QAM	784.5	23255	5	12	7	20.95	15.30	0.034
16QAM	784.5	23255	5	12	13	21.01	15.36	0.034
16QAM	784.5	23255	5	25	0	21.10	15.45	0.035
64QAM	779.5	23205	5	1	0	22.32	16.67	0.046
64QAM	779.5	23205	5	1	12	22.16	16.51	0.045
64QAM	779.5	23205	5	1	24	22.41	16.76	0.047
64QAM	779.5	23205	5	12	0	21.11	15.46	0.035
64QAM	779.5	23205	5	12	7	21.05	15.40	0.035
64QAM	779.5	23205	5	12	13	21.07	15.42	0.035
64QAM	779.5	23205	5	25	0	21.17	15.52	0.036
64QAM	782	23230	5	1	0	22.21	16.56	0.045
64QAM	782	23230	5	1	12	22.38	16.73	0.047
64QAM	782	23230	5	1	24	21.92	16.27	0.042
64QAM	782	23230	5	12	0	21.05	15.40	0.035
64QAM	782	23230	5	12	7	21.19	15.54	0.036
64QAM	782	23230	5	12	13	21.04	15.39	0.035
64QAM	782	23230	5	25	0	21.10	15.45	0.035
64QAM	784.5	23255	5	1	0	22.18	16.53	0.045
64QAM	784.5	23255	5	1	12	22.63	16.98	0.050
64QAM	784.5	23255	5	1	24	22.20	16.55	0.045
64QAM	784.5	23255	5	12	0	21.16	15.51	0.036
64QAM	784.5	23255	5	12	7	21.01	15.36	0.034
64QAM	784.5	23255	5	12	13	21.11	15.46	0.035
64QAM	784.5	23255	5	25	0	20.96	15.31	0.034

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	782	23230	10	1	0	23.18	17.53	0.057
QPSK	782	23230	10	1	25	23.07	17.42	0.055
QPSK	782	23230	10	1	49	22.93	17.28	0.053
QPSK	782	23230	10	25	0	22.06	16.41	0.044
QPSK	782	23230	10	25	12	22.13	16.48	0.044
QPSK	782	23230	10	25	25	22.11	16.46	0.044
QPSK	782	23230	10	50	0	22.12	16.47	0.044
QPSK	782	23230	10	1	0	22.96	17.31	0.054
QPSK	782	23230	10	1	25	22.94	17.29	0.054
QPSK	782	23230	10	1	49	22.94	17.29	0.054
QPSK	782	23230	10	25	0	22.05	16.40	0.044
QPSK	782	23230	10	25	12	22.03	16.38	0.043
QPSK	782	23230	10	25	25	22.10	16.45	0.044
QPSK	782	23230	10	50	0	22.14	16.49	0.045
QPSK	782	23230	10	1	0	23.43	17.78	0.060
QPSK	782	23230	10	1	25	23.13	17.48	0.056
QPSK	782	23230	10	1	49	22.92	17.27	0.053
QPSK	782	23230	10	25	0	22.17	16.52	0.045
QPSK	782	23230	10	25	12	22.04	16.39	0.044
QPSK	782	23230	10	25	25	22.15	16.50	0.045
QPSK	782	23230	10	50	0	22.10	16.45	0.044

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	782	23230	10	1	0	22.57	16.92	0.049
16QAM	782	23230	10	1	25	22.56	16.91	0.049
16QAM	782	23230	10	1	49	22.52	16.87	0.049
16QAM	782	23230	10	25	0	21.15	15.50	0.035
16QAM	782	23230	10	25	12	21.08	15.43	0.035
16QAM	782	23230	10	25	25	21.07	15.42	0.035
16QAM	782	23230	10	50	0	20.98	15.33	0.034
16QAM	782	23230	10	1	0	22.25	16.60	0.046
16QAM	782	23230	10	1	25	22.42	16.77	0.048
16QAM	782	23230	10	1	49	22.39	16.74	0.047
16QAM	782	23230	10	25	0	21.04	15.39	0.035
16QAM	782	23230	10	25	12	20.98	15.33	0.034
16QAM	782	23230	10	25	25	21.15	15.50	0.035
16QAM	782	23230	10	50	0	21.15	15.50	0.035
16QAM	782	23230	10	1	0	22.47	16.82	0.048
16QAM	782	23230	10	1	25	22.53	16.88	0.049
16QAM	782	23230	10	1	49	22.26	16.61	0.046
16QAM	782	23230	10	25	0	21.08	15.43	0.035
16QAM	782	23230	10	25	12	21.07	15.42	0.035
16QAM	782	23230	10	25	25	21.11	15.46	0.035
16QAM	782	23230	10	50	0	21.09	15.44	0.035
64QAM	782	23230	10	1	0	21.49	15.84	0.038
64QAM	782	23230	10	1	25	21.39	15.74	0.037
64QAM	782	23230	10	1	49	21.09	15.44	0.035
64QAM	782	23230	10	25	0	20.12	14.47	0.028
64QAM	782	23230	10	25	12	20.18	14.53	0.028
64QAM	782	23230	10	25	25	20.03	14.38	0.027
64QAM	782	23230	10	50	0	20.14	14.49	0.028
64QAM	782	23230	10	1	0	20.77	15.12	0.033
64QAM	782	23230	10	1	25	21.64	15.99	0.040
64QAM	782	23230	10	1	49	20.79	15.14	0.033
64QAM	782	23230	10	25	0	20.11	14.46	0.028
64QAM	782	23230	10	25	12	20.13	14.48	0.028
64QAM	782	23230	10	25	25	20.05	14.40	0.028
64QAM	782	23230	10	50	0	20.07	14.42	0.028
64QAM	782	23230	10	1	0	21.41	15.76	0.038
64QAM	782	23230	10	1	25	21.38	15.73	0.037
64QAM	782	23230	10	1	49	21.16	15.51	0.036
64QAM	782	23230	10	25	0	20.10	14.45	0.028
64QAM	782	23230	10	25	12	20.07	14.42	0.028
64QAM	782	23230	10	25	25	20.05	14.40	0.028
64QAM	782	23230	10	50	0	20.06	14.41	0.028