

FCC LTE Band38 Test Data

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

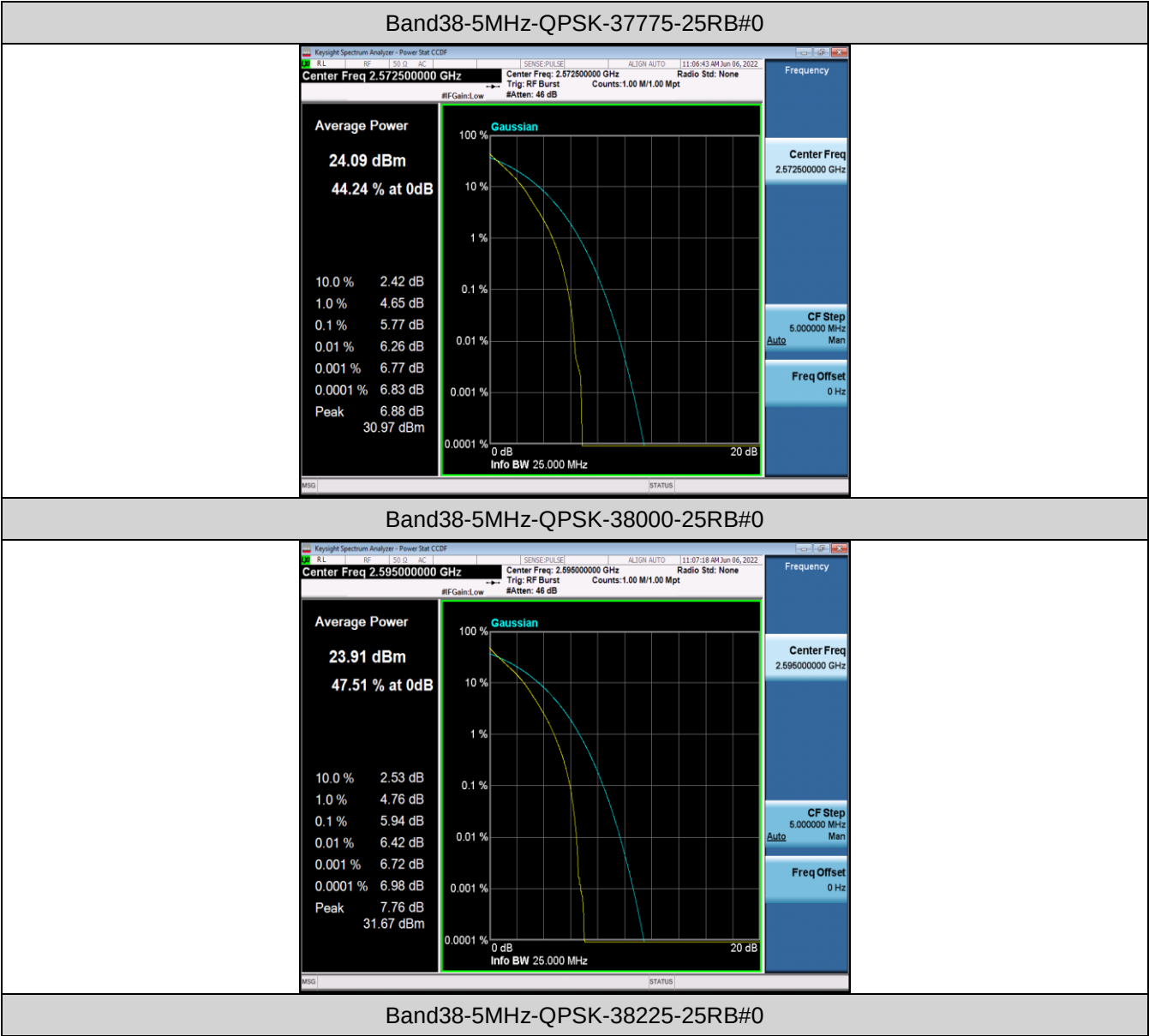
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	22.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.00	PASS

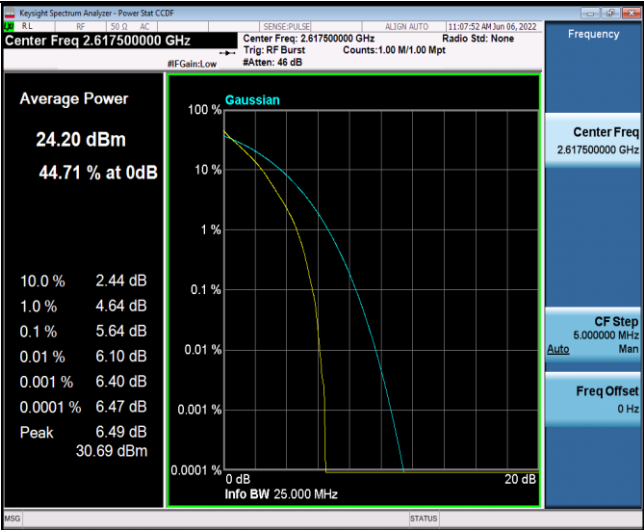
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

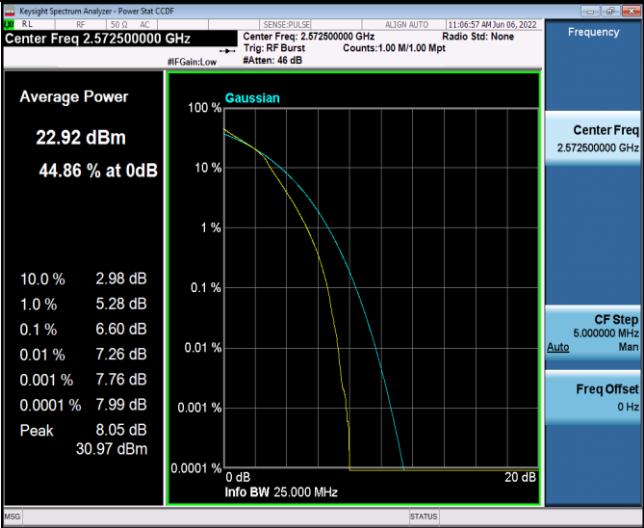
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.77	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.94	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.64	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.60	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.85	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.49	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.77	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.77	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.64	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.58	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.81	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	7.06	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.10	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.04	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.98	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.68	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.60	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.53	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	4.05	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.74	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.70	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.58	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.50	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.44	13	PASS

Test Graphs

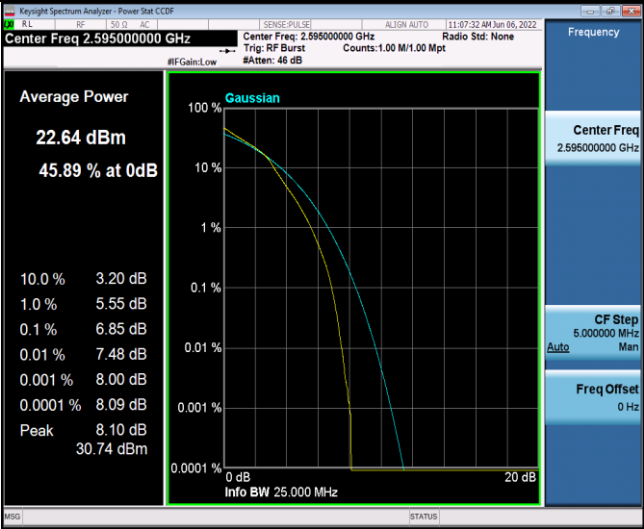




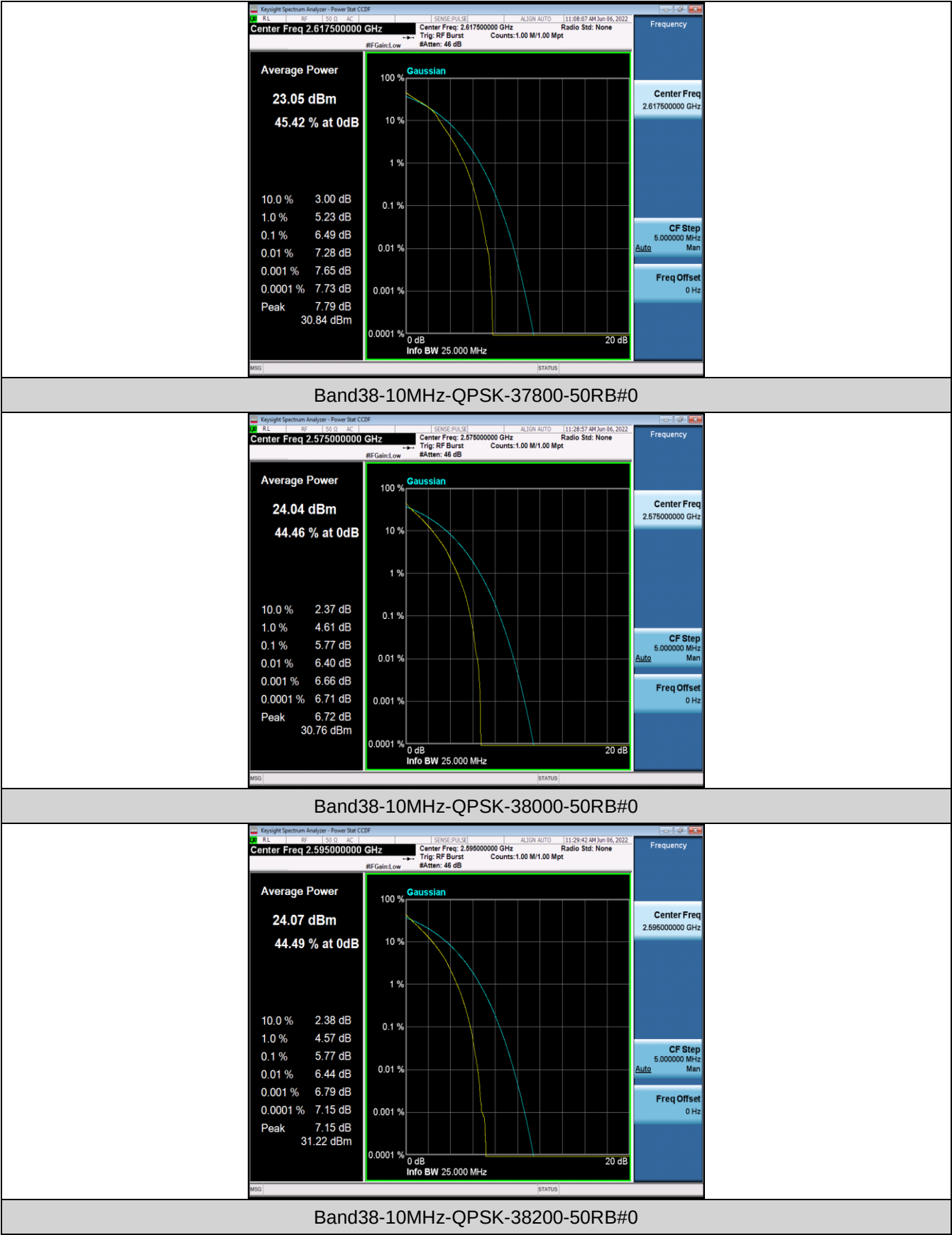
Band38-5MHz-16QAM-37775-25RB#0

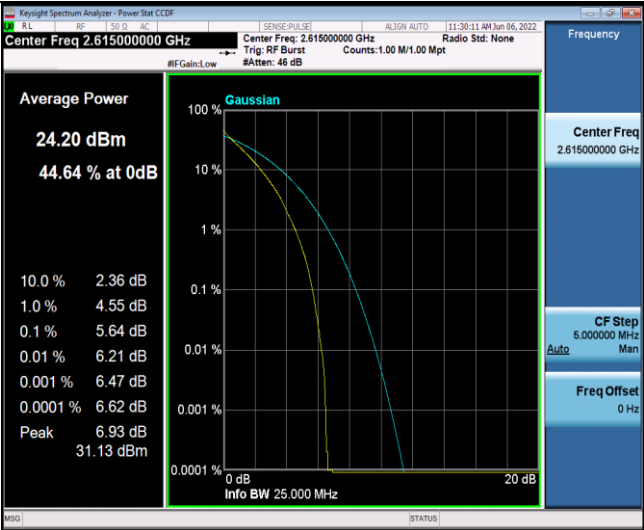


Band38-5MHz-16QAM-38000-25RB#0

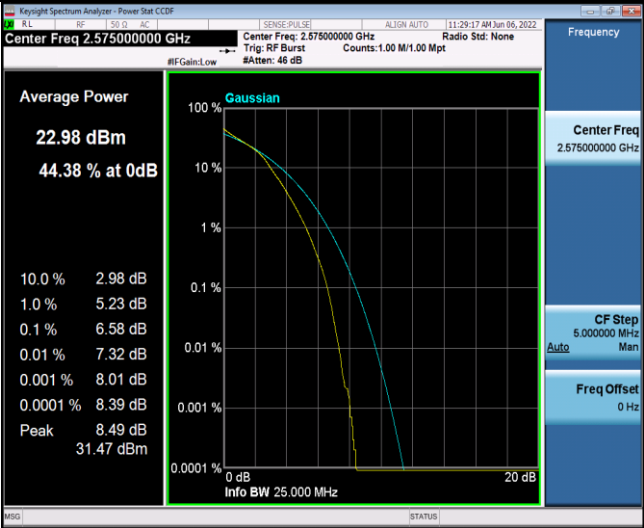


Band38-5MHz-16QAM-38225-25RB#0

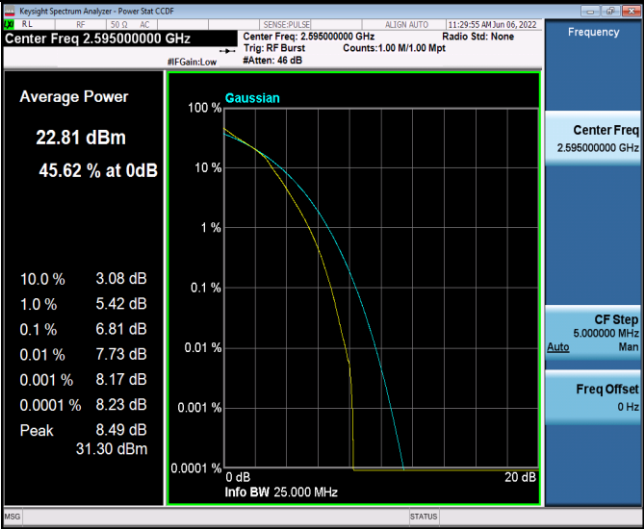




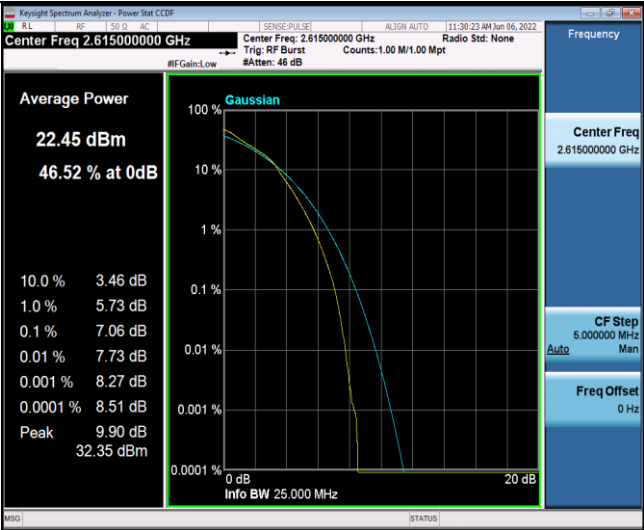
Band38-10MHz-16QAM-37800-50RB#0



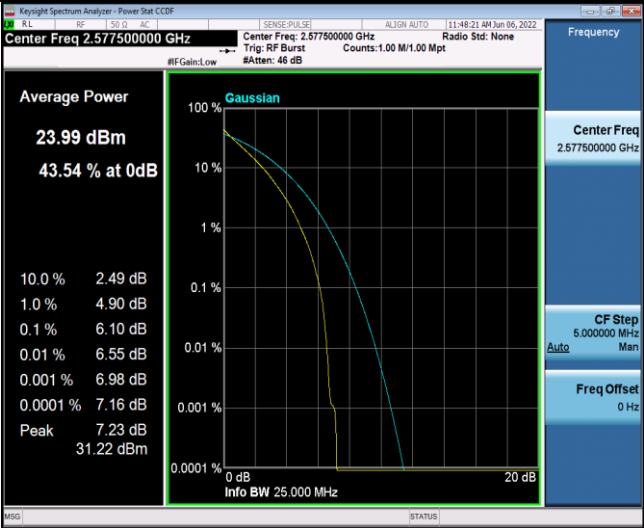
Band38-10MHz-16QAM-38000-50RB#0



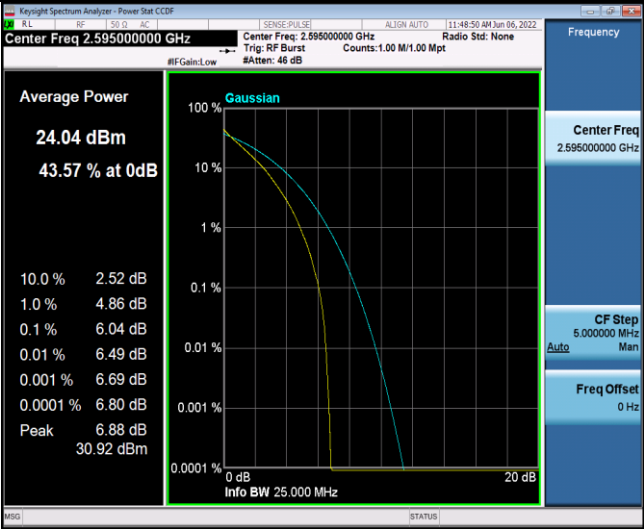
Band38-10MHz-16QAM-38200-50RB#0



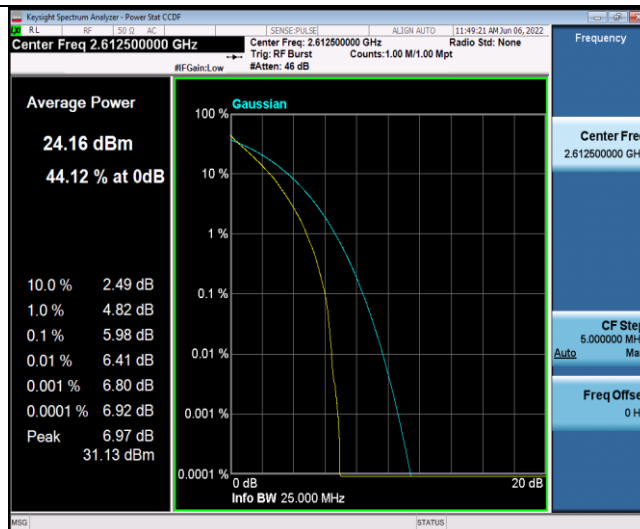
Band38-15MHz-QPSK-37825-75RB#0



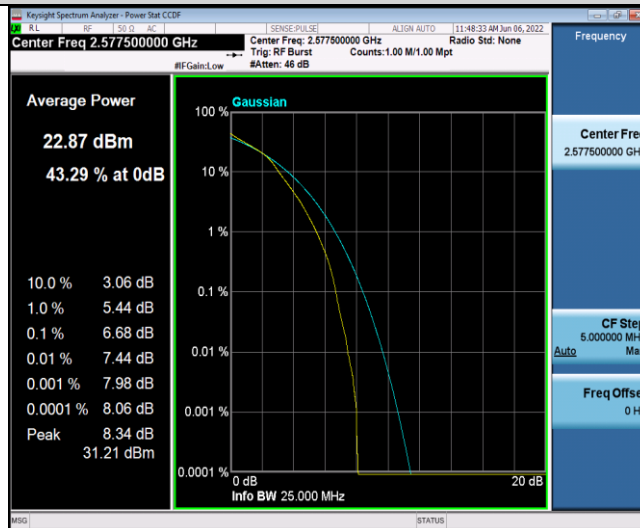
Band38-15MHz-QPSK-38000-75RB#0



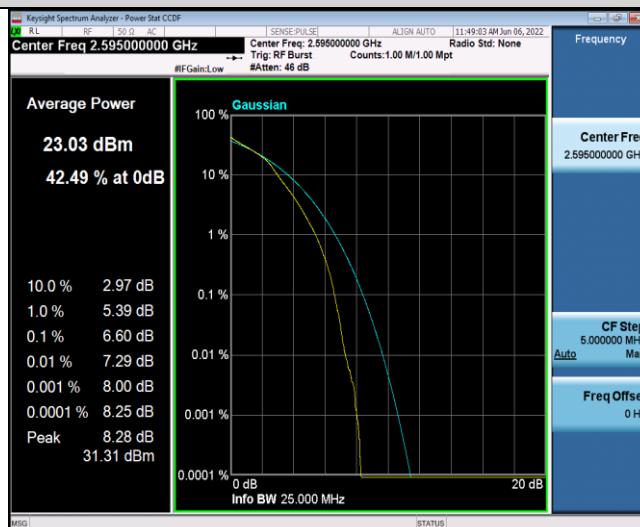
Band38-15MHz-QPSK-38175-75RB#0



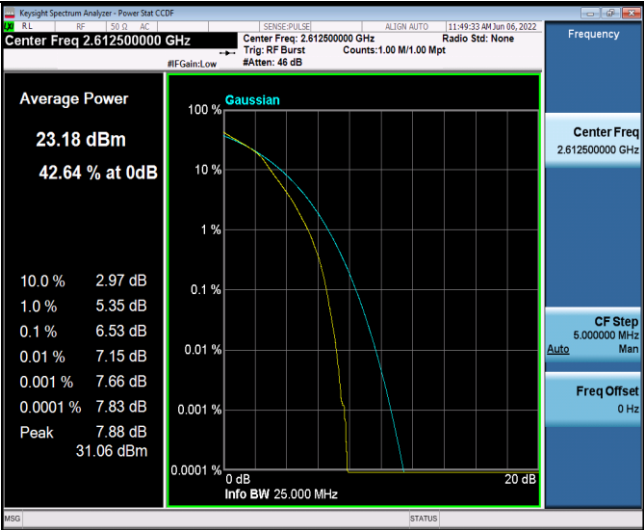
Band38-15MHz-16QAM-37825-75RB#0



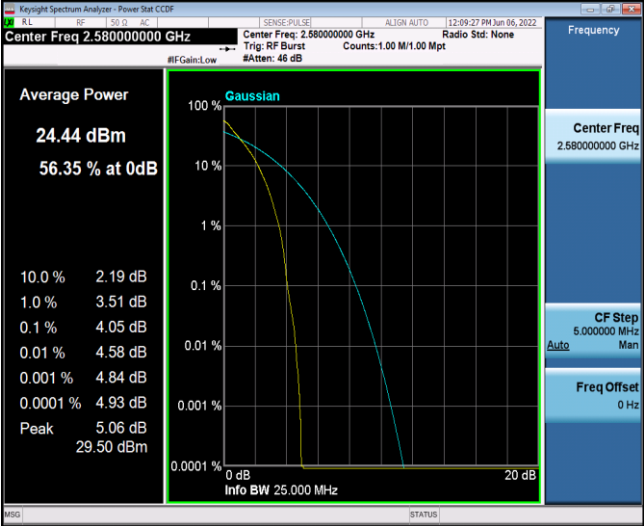
Band38-15MHz-16QAM-38000-75RB#0



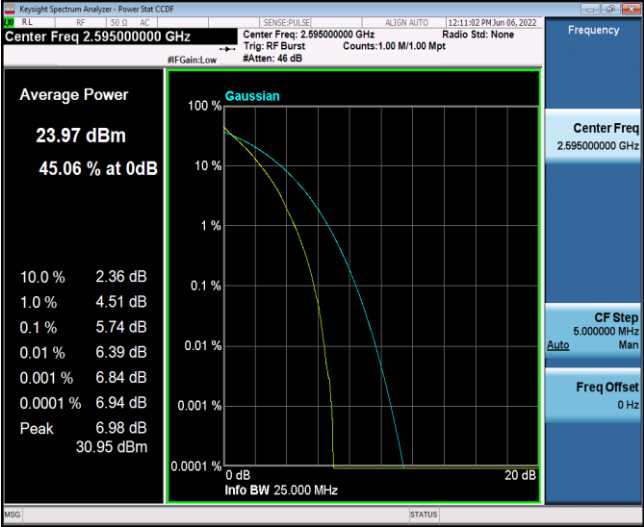
Band38-15MHz-16QAM-38175-75RB#0



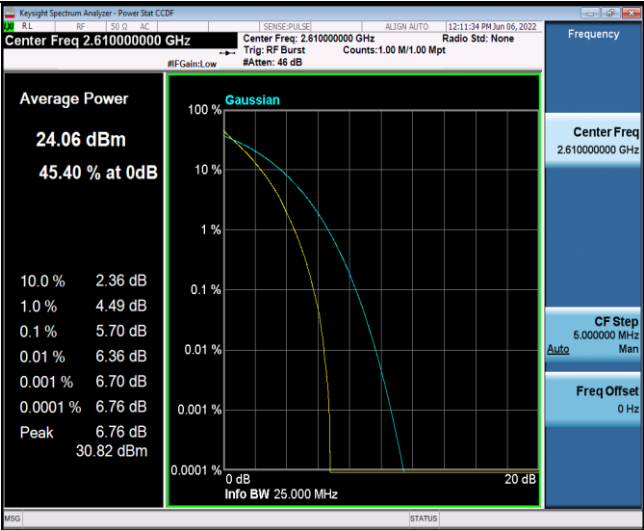
Band38-20MHz-QPSK-37850-100RB#0



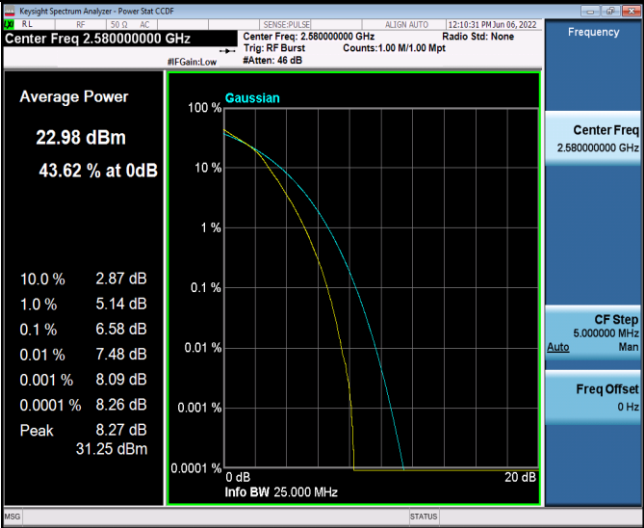
Band38-20MHz-QPSK-38000-100RB#0



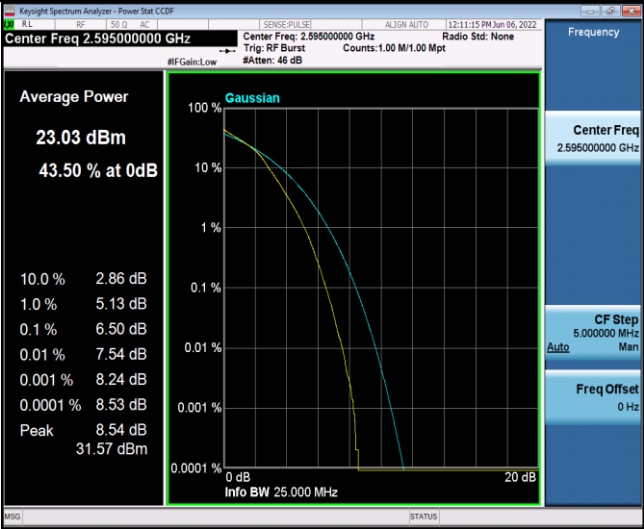
Band38-20MHz-QPSK-38150-100RB#0



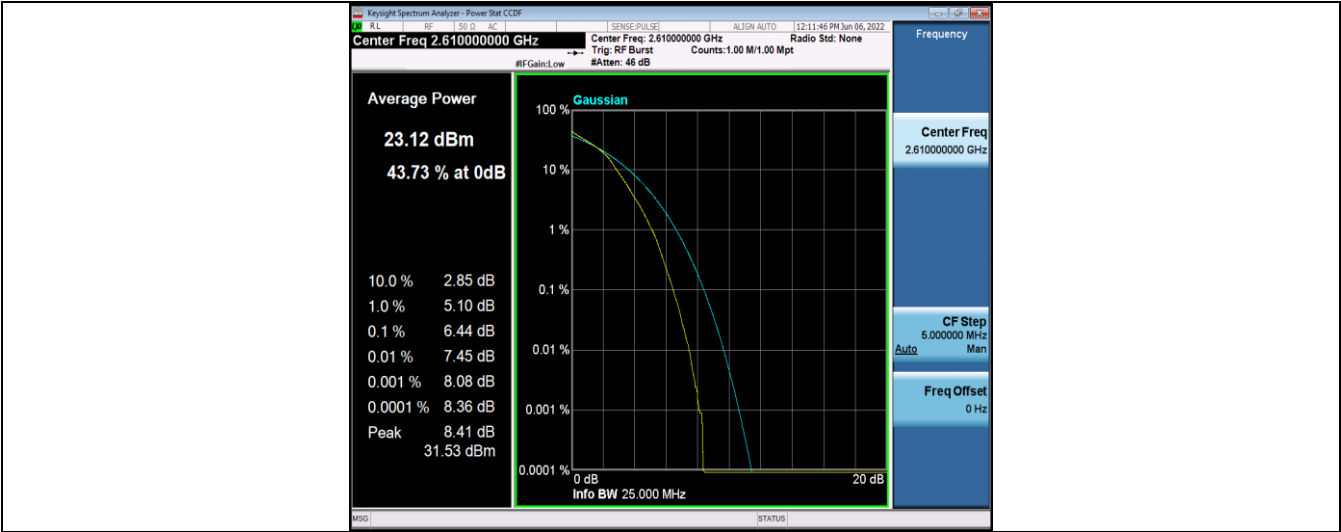
Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0

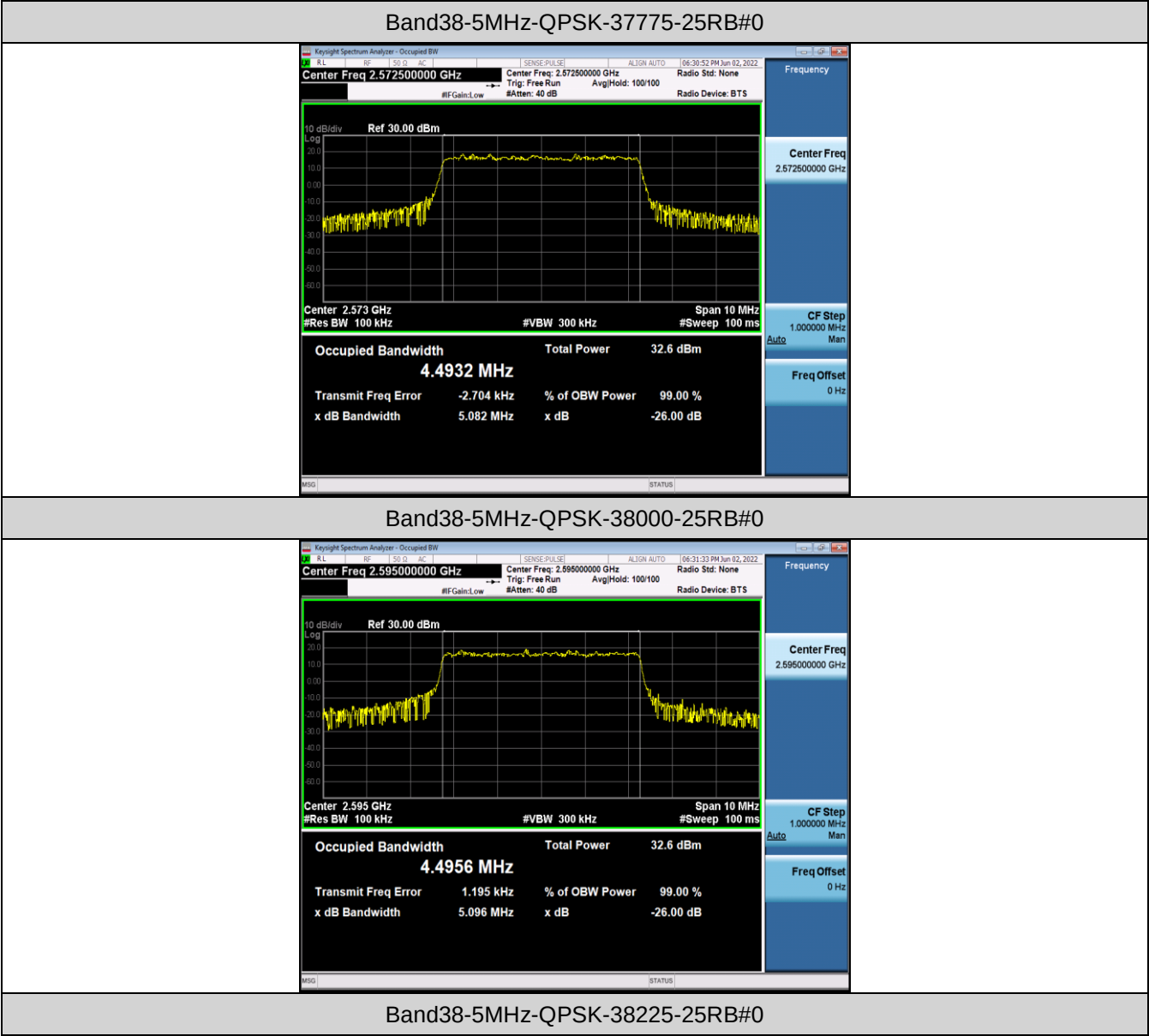


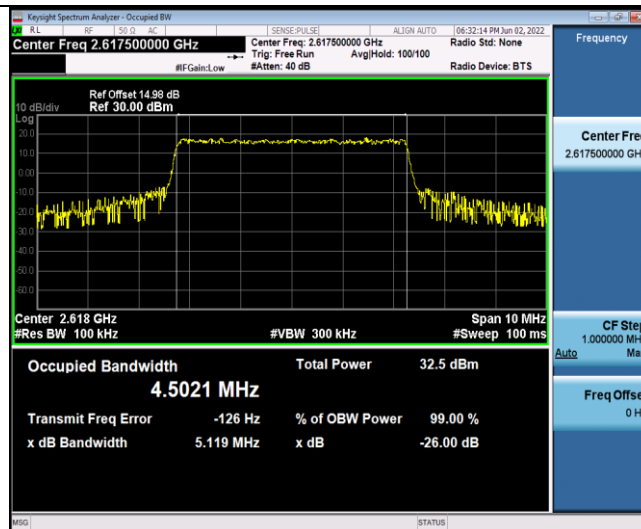
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

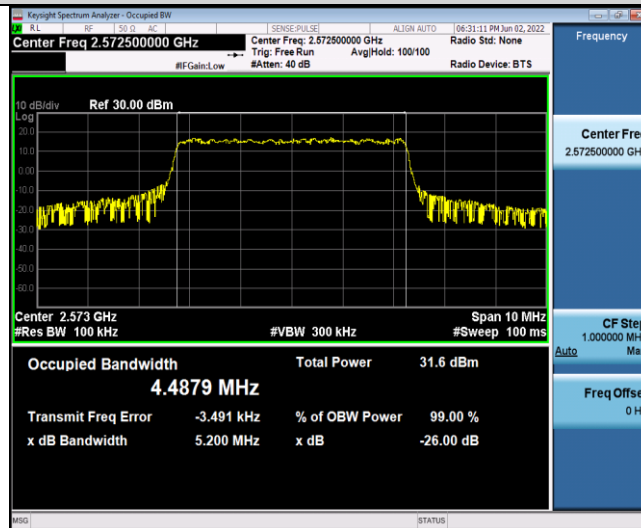
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4932	5.082	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4956	5.096	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5021	5.119	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4879	5.200	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4905	4.960	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4932	5.883	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0084	9.769	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9854	10.01	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9960	9.811	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9907	11.17	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9689	9.714	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9683	9.865	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.471	15.67	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.426	15.92	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.481	15.13	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.472	16.07	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.507	17.16	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.499	16.13	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.919	20.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.973	19.93	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.927	20.44	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.959	22.50	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.948	20.05	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.876	20.03	PASS

Test Graphs





Band38-5MHz-16QAM-37775-25RB#0



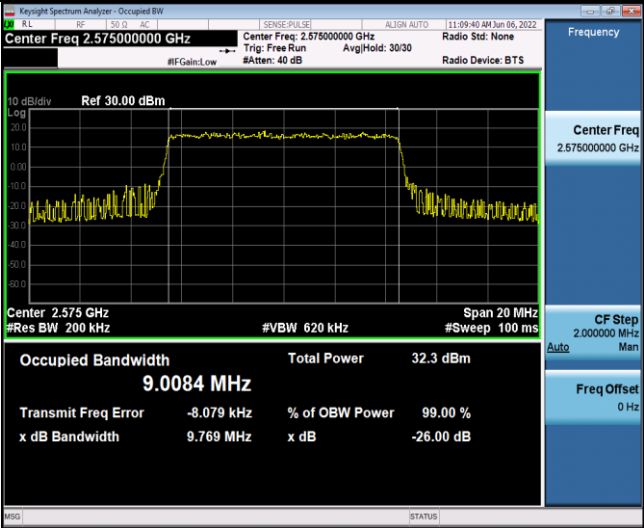
Band38-5MHz-16QAM-38000-25RB#0



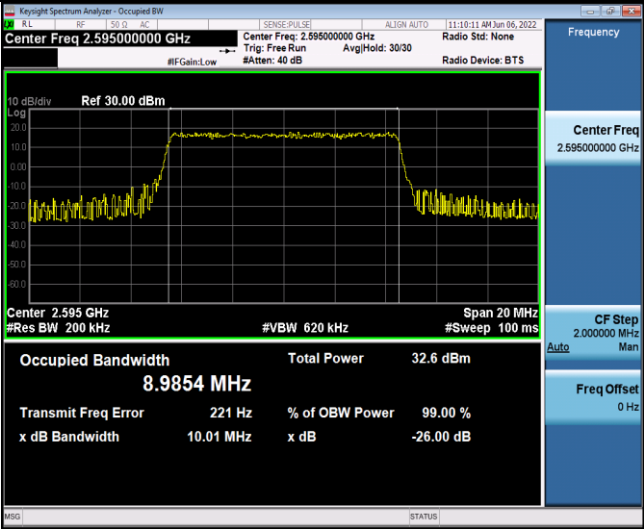
Band38-5MHz-16QAM-38225-25RB#0



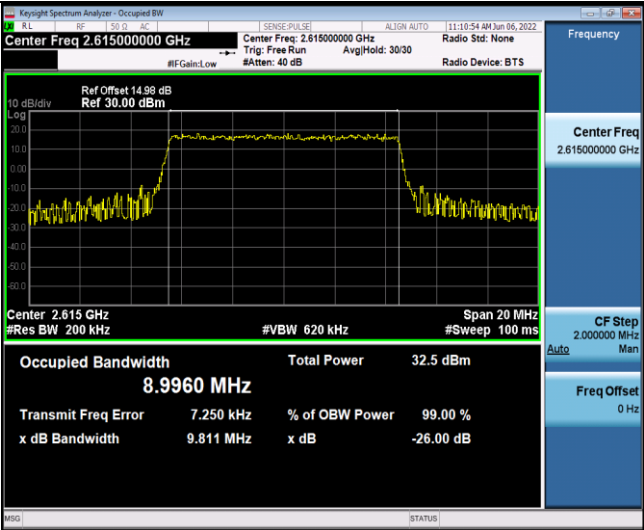
Band38-10MHz-QPSK-37800-50RB#0



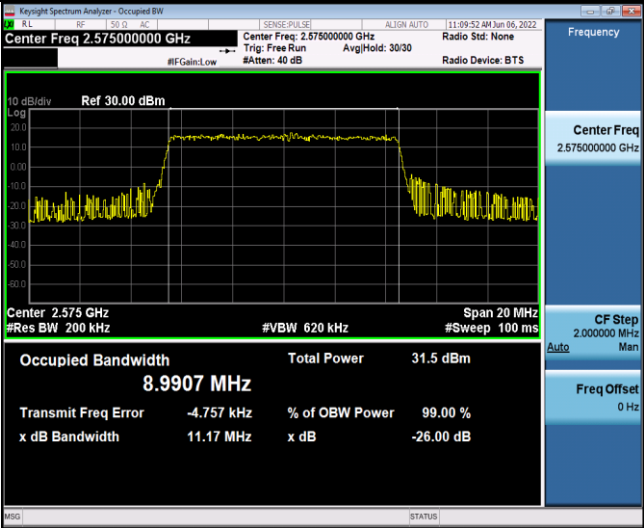
Band38-10MHz-QPSK-38000-50RB#0



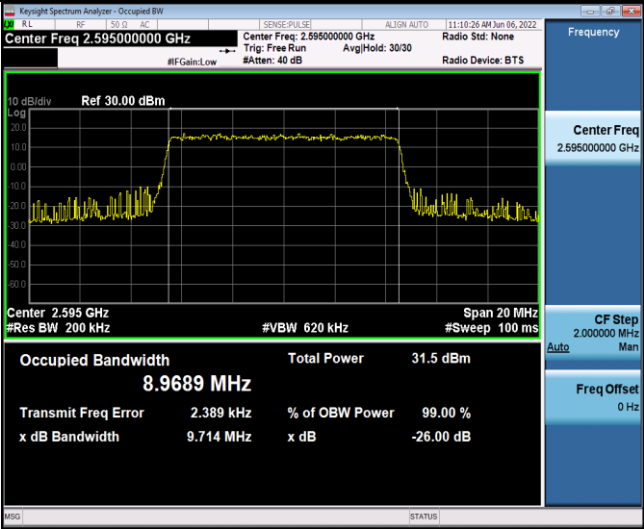
Band38-10MHz-QPSK-38200-50RB#0



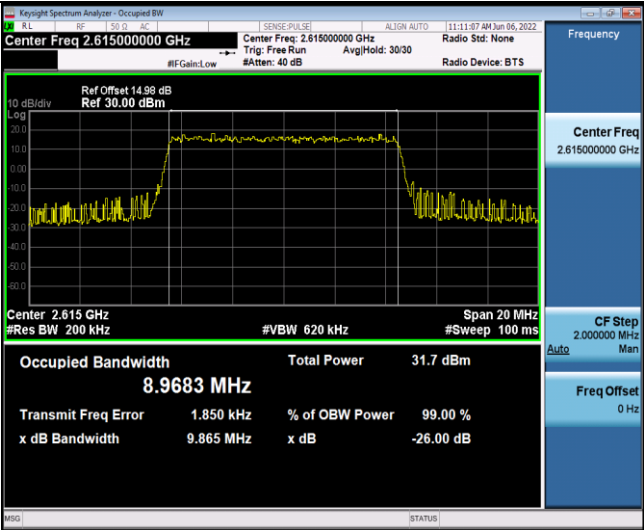
Band38-10MHz-16QAM-37800-50RB#0



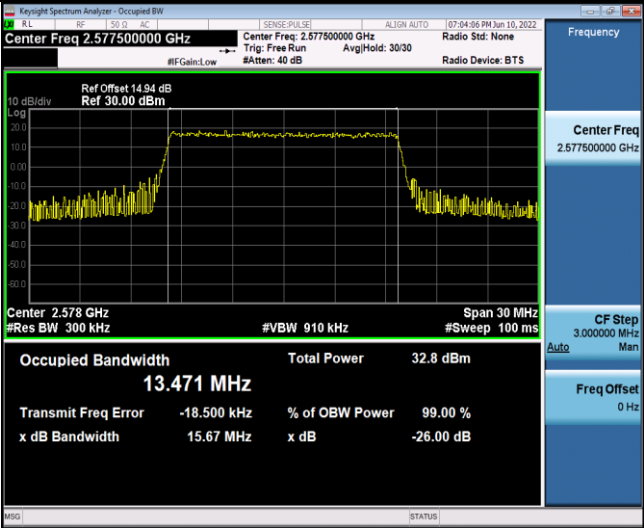
Band38-10MHz-16QAM-38000-50RB#0



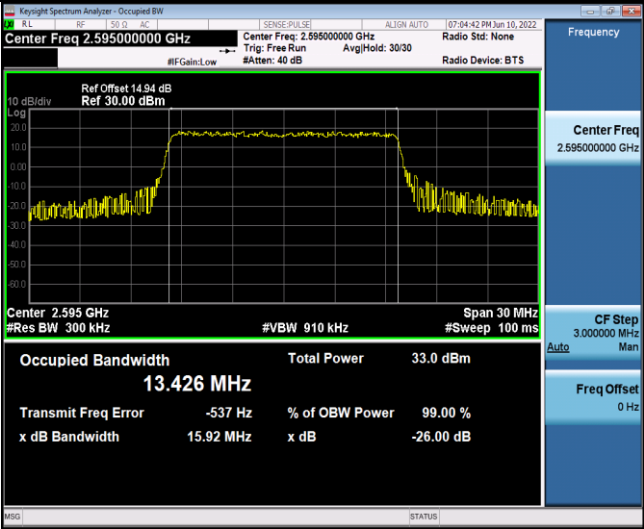
Band38-10MHz-16QAM-38200-50RB#0



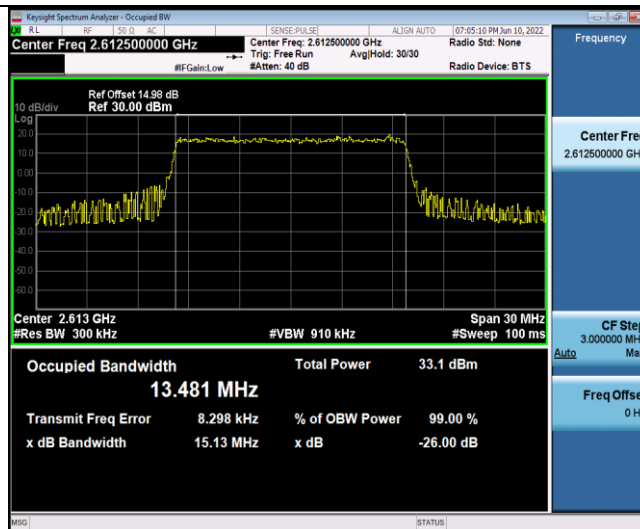
Band38-15MHz-QPSK-37825-75RB#0



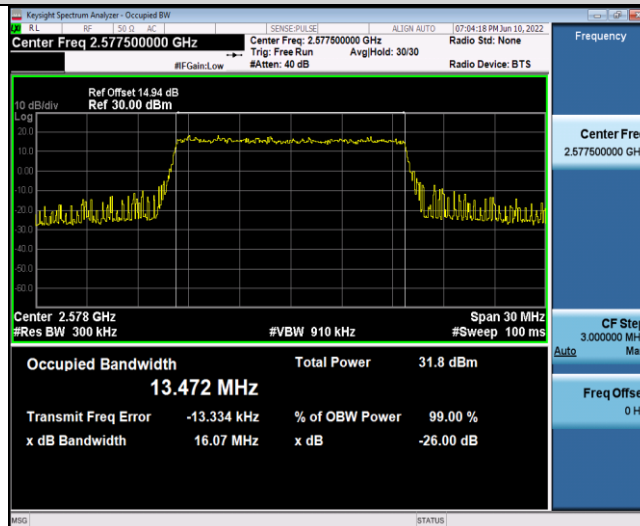
Band38-15MHz-QPSK-38000-75RB#0



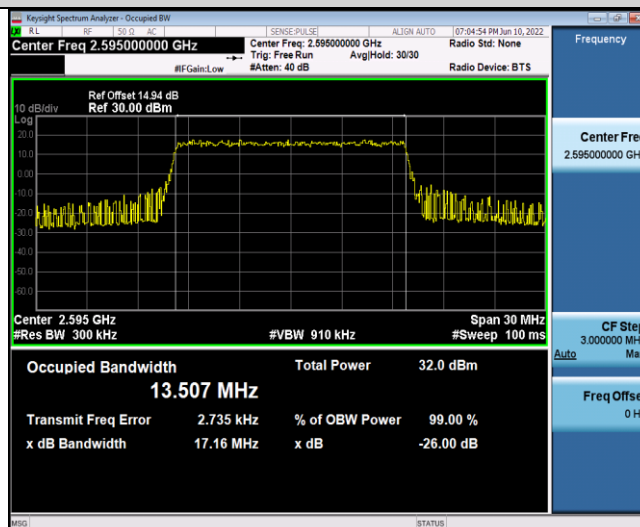
Band38-15MHz-QPSK-38175-75RB#0



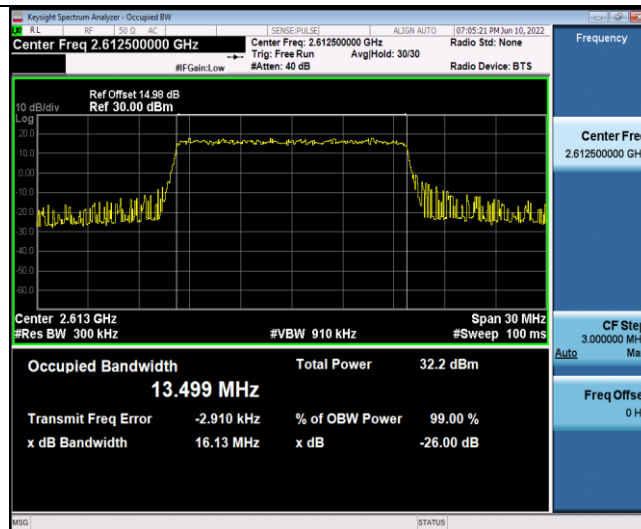
Band38-15MHz-16QAM-37825-75RB#0



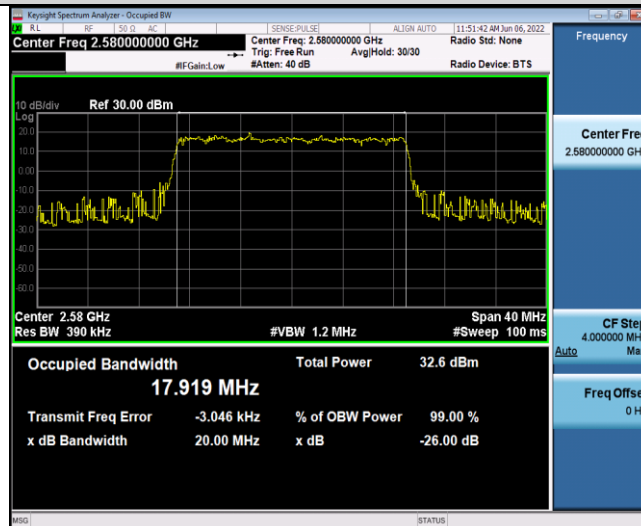
Band38-15MHz-16QAM-38000-75RB#0



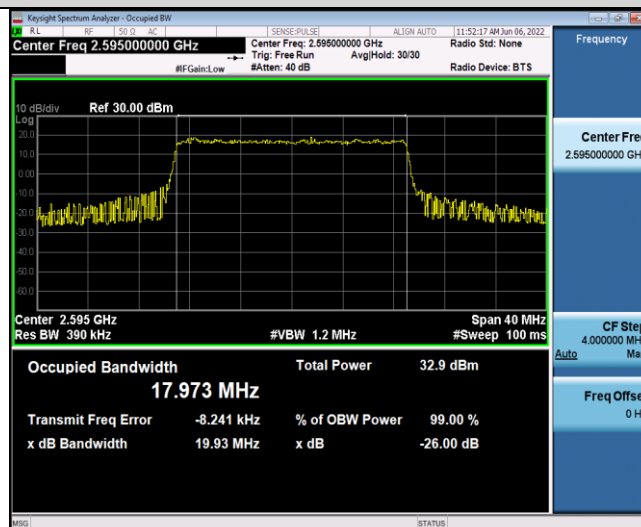
Band38-15MHz-16QAM-38175-75RB#0



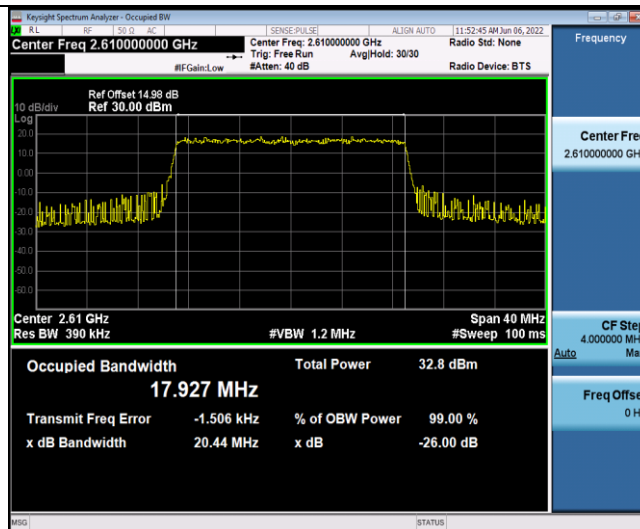
Band38-20MHz-QPSK-37850-100RB#0



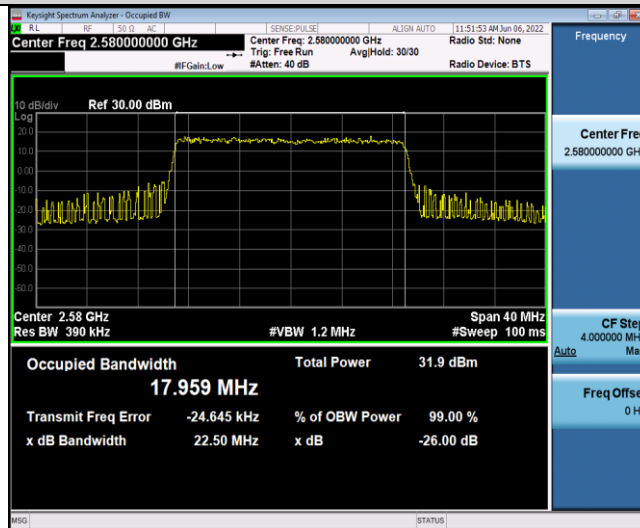
Band38-20MHz-QPSK-38000-100RB#0



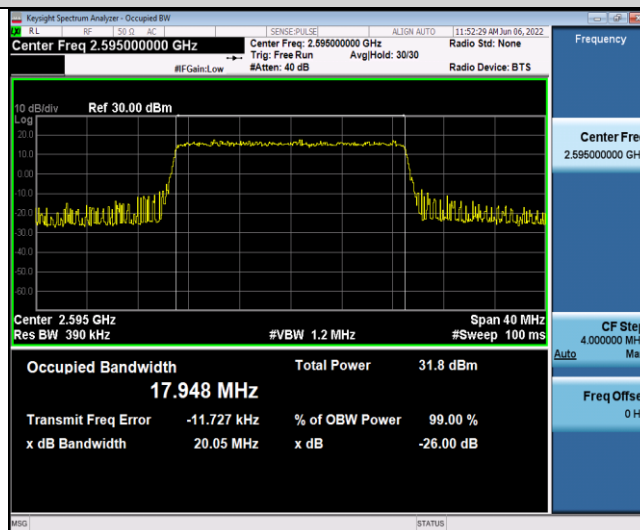
Band38-20MHz-QPSK-38150-100RB#0



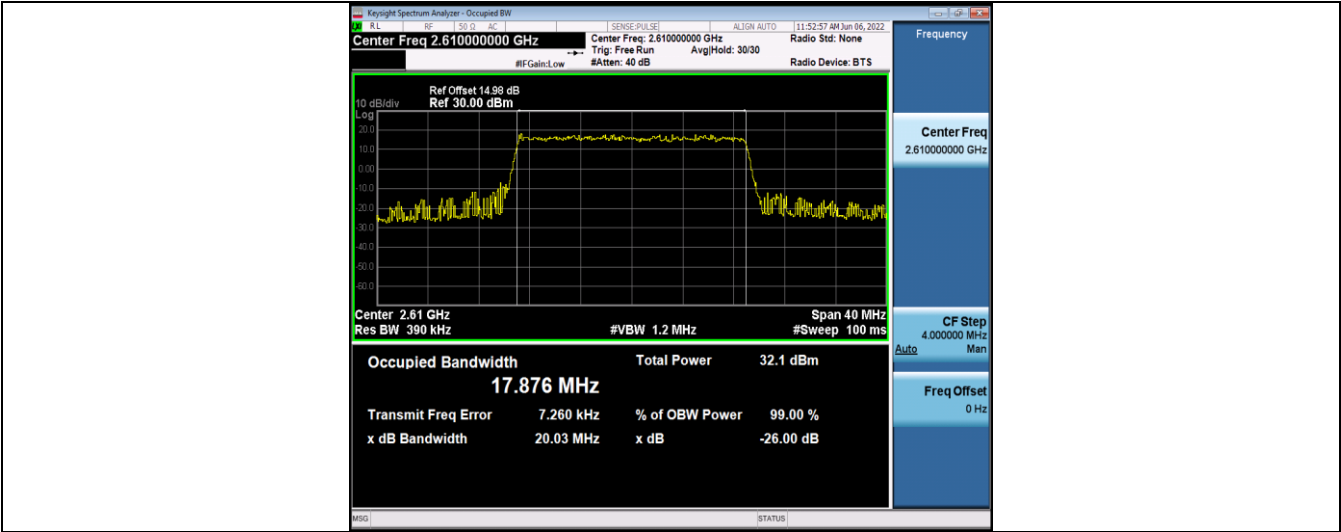
Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0

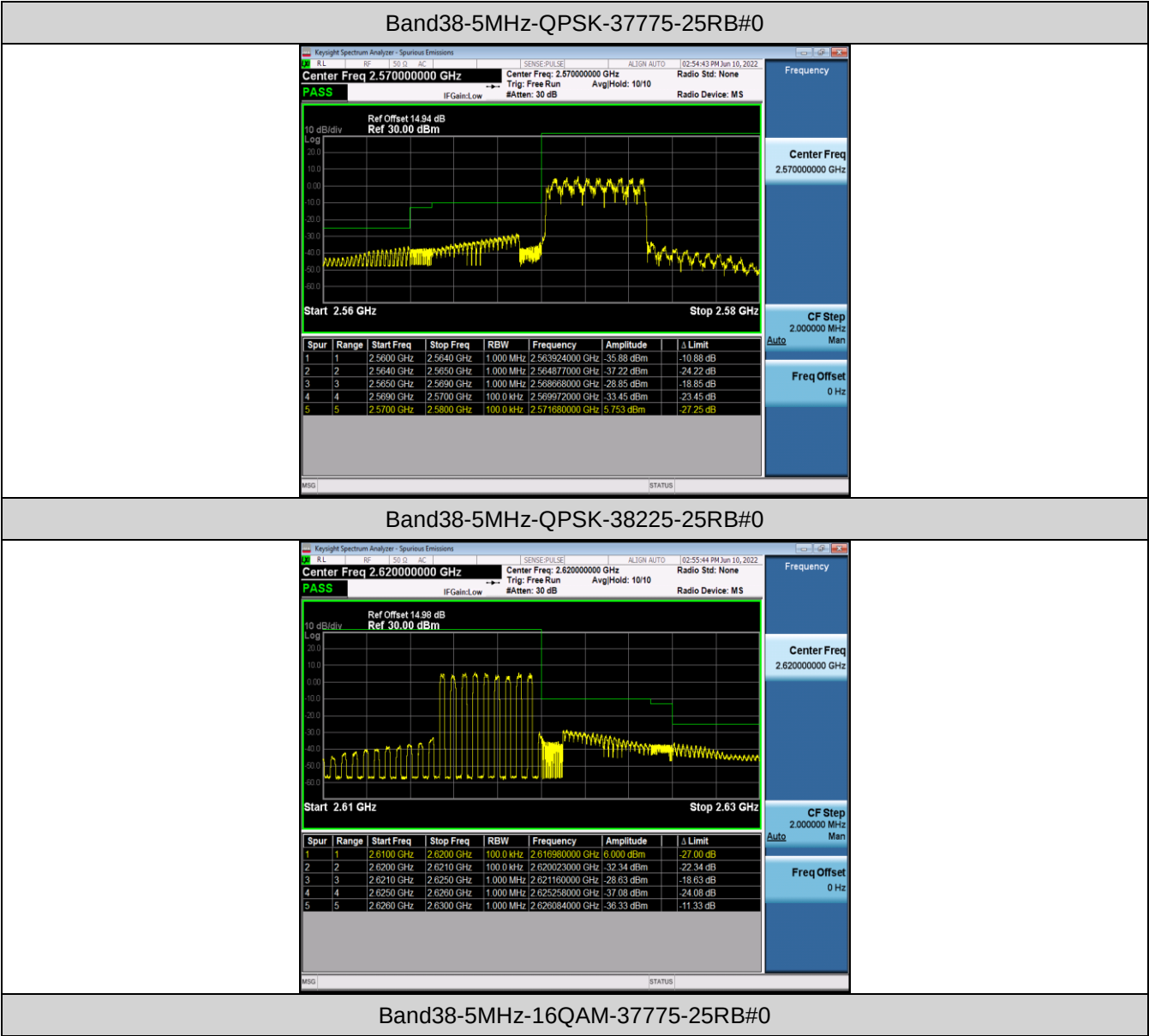


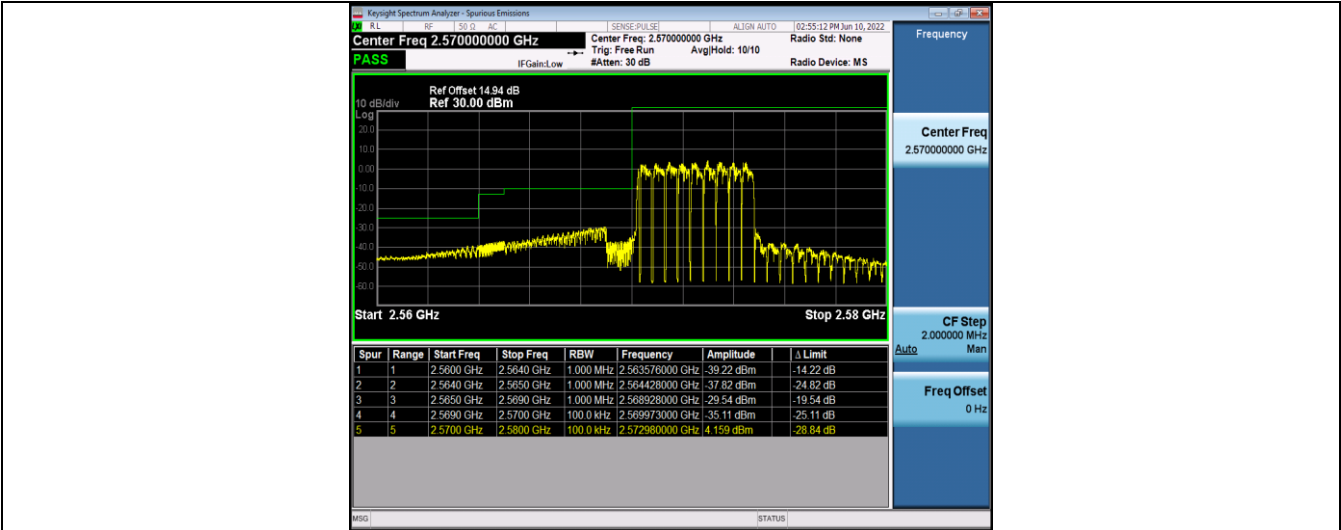
Appendix D: Band Edge

Test Result

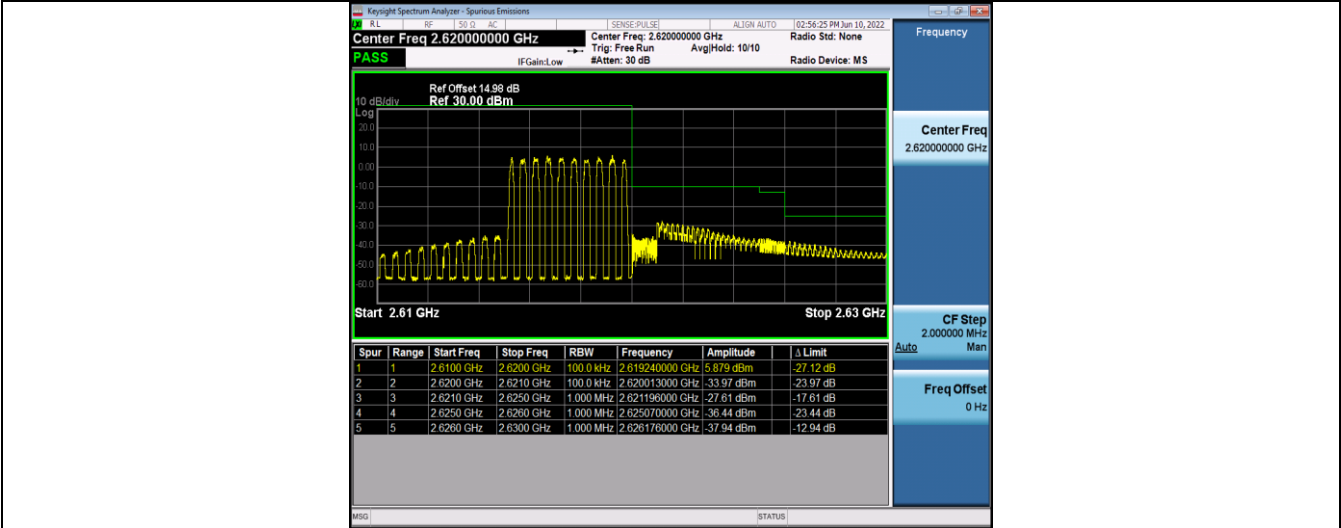
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-35.88,-37.22,-28.85,-33.45	PASS
Band38	5MHz	QPSK	38225	25RB#0	-32.34,-28.63,-37.08,-36.33	PASS
Band38	5MHz	16QAM	37775	25RB#0	-39.22,-37.82,-29.54,-35.11	PASS
Band38	5MHz	16QAM	38225	25RB#0	-33.97,-27.61,-36.44,-37.94	PASS
Band38	10MHz	QPSK	37800	50RB#0	-39.63,-35.11,-33.75,-32.29	PASS
Band38	10MHz	QPSK	38200	50RB#0	-32.61,-28.21,-33.93,-39.73	PASS
Band38	10MHz	16QAM	37800	50RB#0	-41.00,-34.21,-31.65,-37.81	PASS
Band38	10MHz	16QAM	38200	50RB#0	-33.56,-30.51,-36.59,-40.82	PASS
Band38	15MHz	QPSK	37825	75RB#0	-48.69,-39.82,-36.64,-33.98	PASS
Band38	15MHz	QPSK	38175	75RB#0	-33.11,-34.41,-37.11,-43.60	PASS
Band38	15MHz	16QAM	37825	75RB#0	-45.39,-39.60,-36.12,-35.65	PASS
Band38	15MHz	16QAM	38175	75RB#0	-34.70,-36.16,-38.36,-45.33	PASS
Band38	20MHz	QPSK	37850	100RB#0	-38.42,-36.41,-35.35,-34.05	PASS
Band38	20MHz	QPSK	38150	100RB#0	-32.45,-33.89,-34.79,-37.40	PASS
Band38	20MHz	16QAM	37850	100RB#0	-38.47,-36.48,-35.71,-34.39	PASS
Band38	20MHz	16QAM	38150	100RB#0	-33.74,-34.79,-35.14,-37.47	PASS

Test Graphs

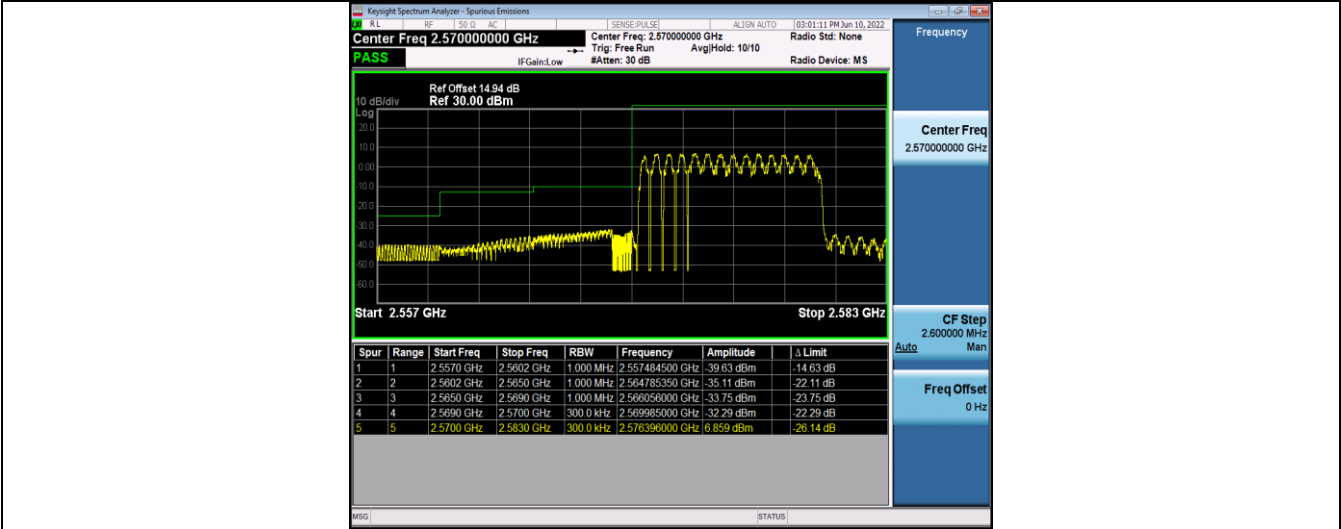




Band38-5MHz-16QAM-38225-25RB#0



Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38200-50RB#0