FCC LTE Band38 Test Data

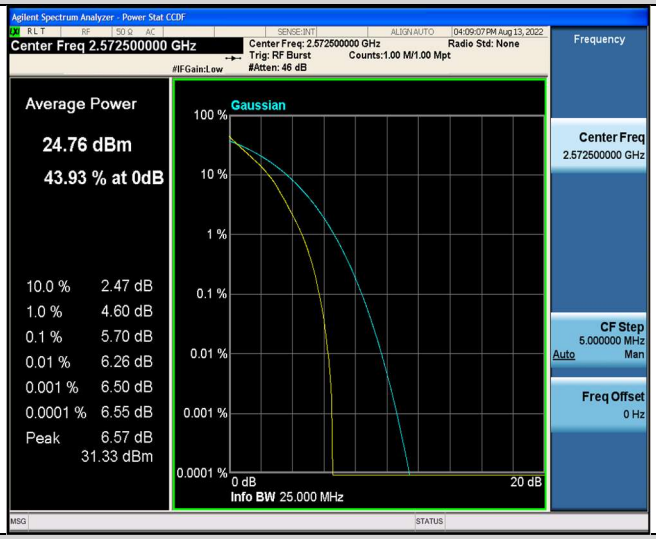
Appendix B: Peak-to-Average Ratio(CCDF)

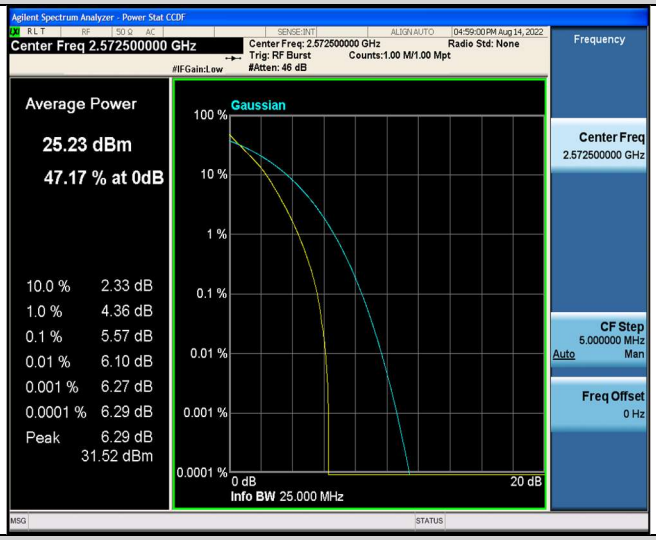
Test Result

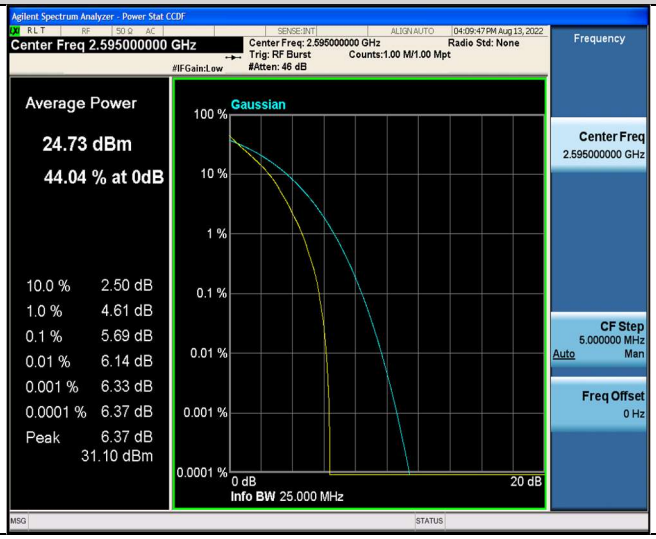
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	15RB#0	5.70	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.57	13	PASS
Band38	5MHz	QPSK	38000	15RB#0	5.69	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.55	13	PASS
Band38	5MHz	QPSK	38225	15RB#0	5.74	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.50	13	PASS
Band38	5MHz	16QAM	37775	15RB#0	6.22	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.23	13	PASS
Band38	5MHz	16QAM	38000	15RB#0	6.58	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.18	13	PASS
Band38	5MHz	16QAM	38225	15RB#0	6.24	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.16	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.64	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.68	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.70	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.43	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.41	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.49	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.90	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.99	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.04	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.53	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.47	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.53	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.62	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.69	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.67	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.41	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.42	13	PASS

Band38	20MHz	16QAM	38150	100RB#0	6.41	13	PASS

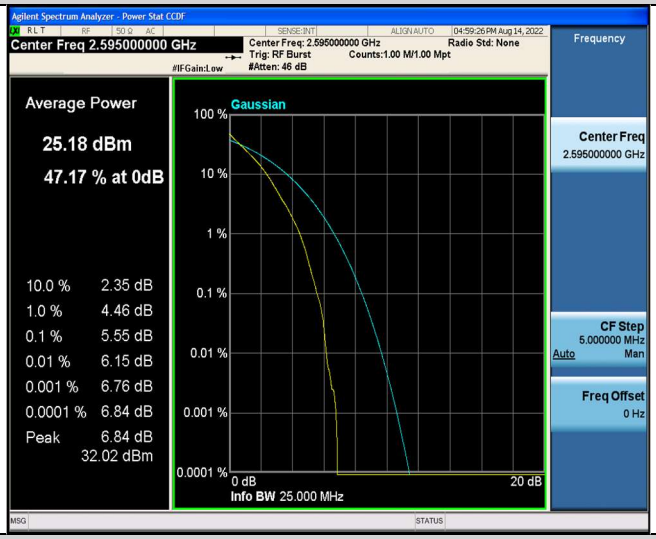
Test Graphs

Band38-5MHz-QPSK-37775-15RB#0


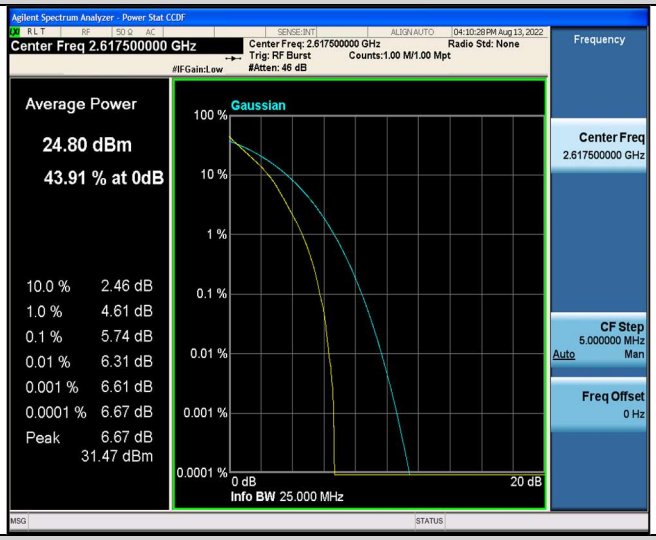
Band38-5MHz-QPSK-37775-25RB#0


Band38-5MHz-QPSK-38000-15RB#0


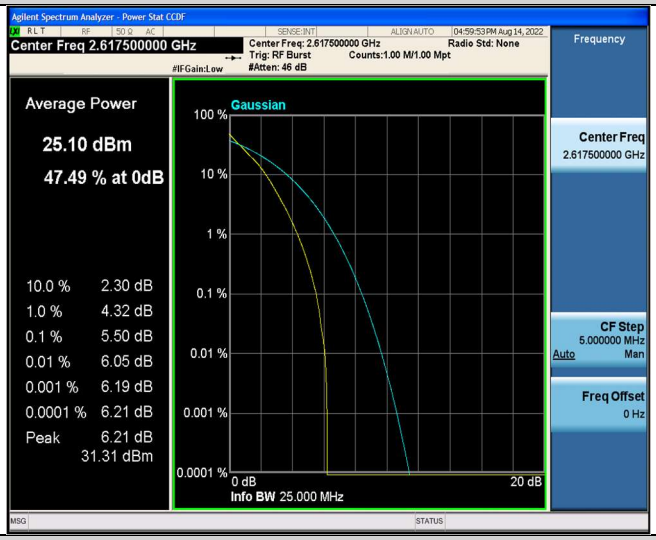
Band38-5MHz-QPSK-38000-25RB#0



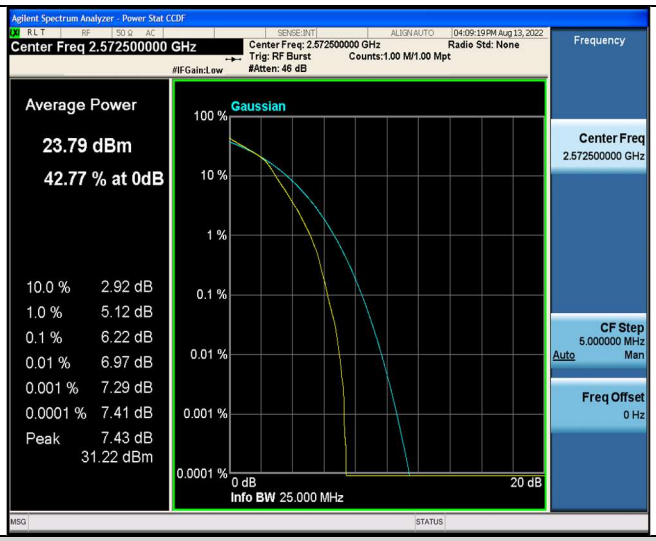
Band38-5MHz-QPSK-38225-15RB#0



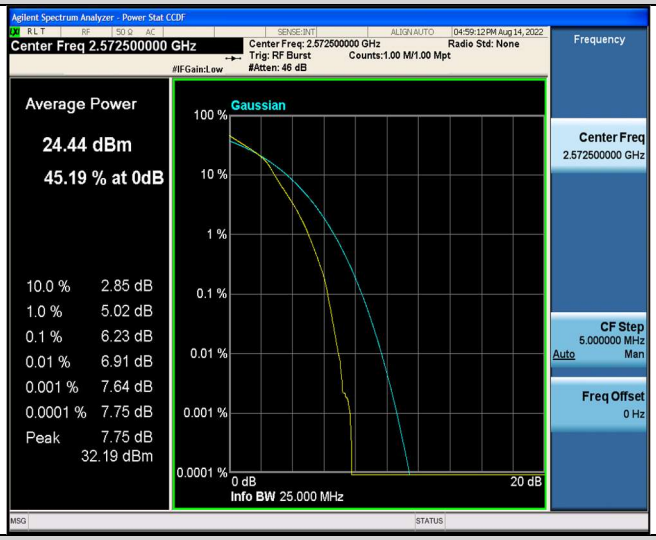
Band38-5MHz-QPSK-38225-25RB#0



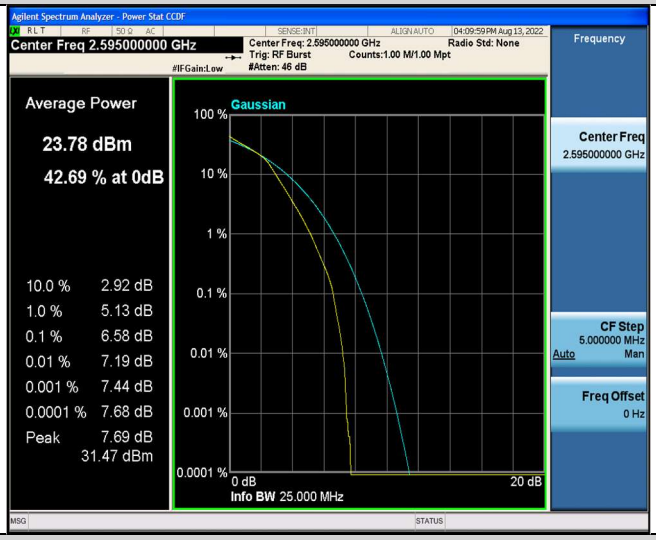
Band38-5MHz-16QAM-37775-15RB#0



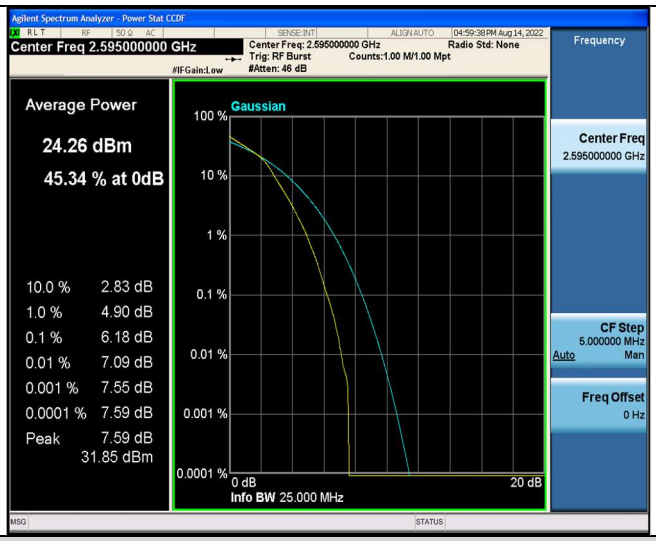
Band38-5MHz-16QAM-37775-25RB#0



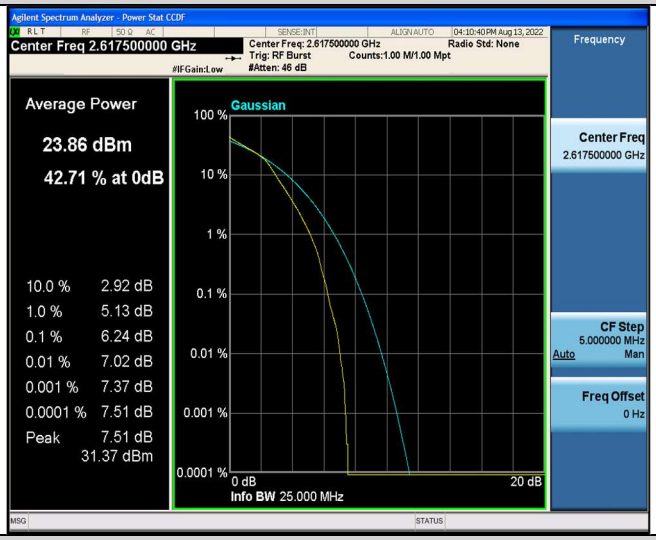
Band38-5MHz-16QAM-38000-15RB#0



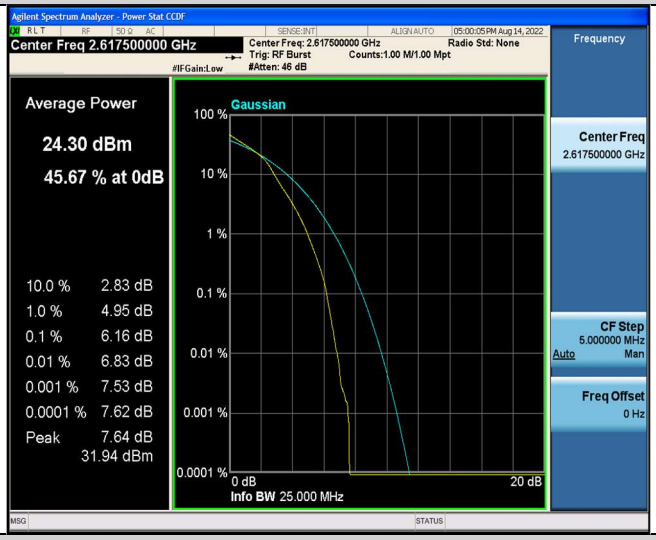
Band38-5MHz-16QAM-38000-25RB#0



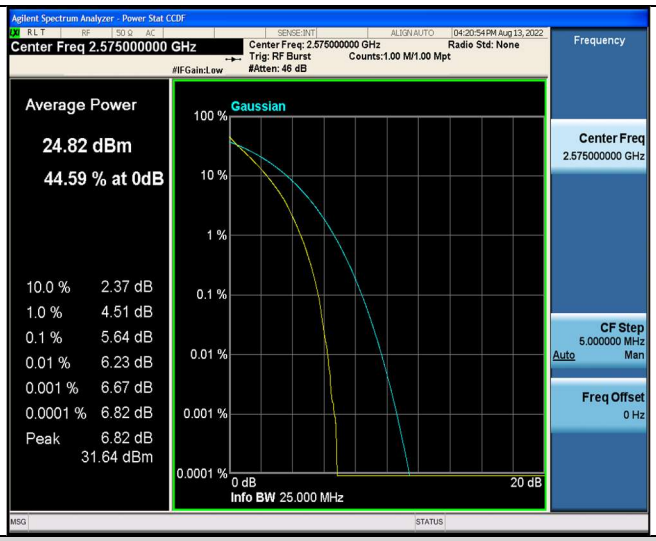
Band38-5MHz-16QAM-38225-15RB#0



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



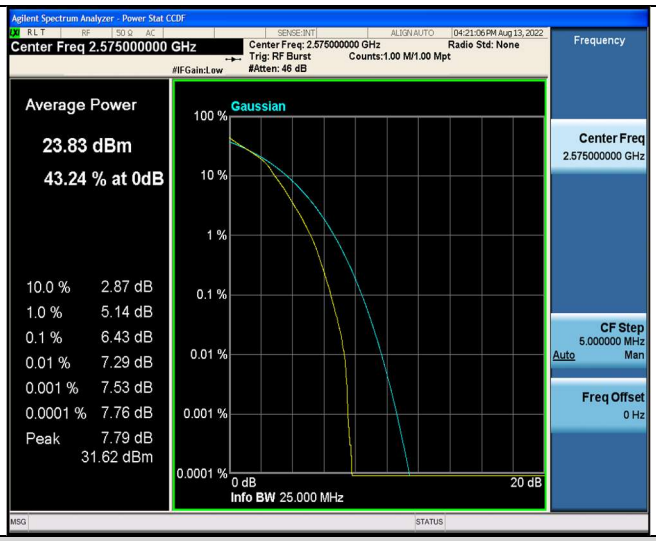
Band38-10MHz-QPSK-37800-50RB#0



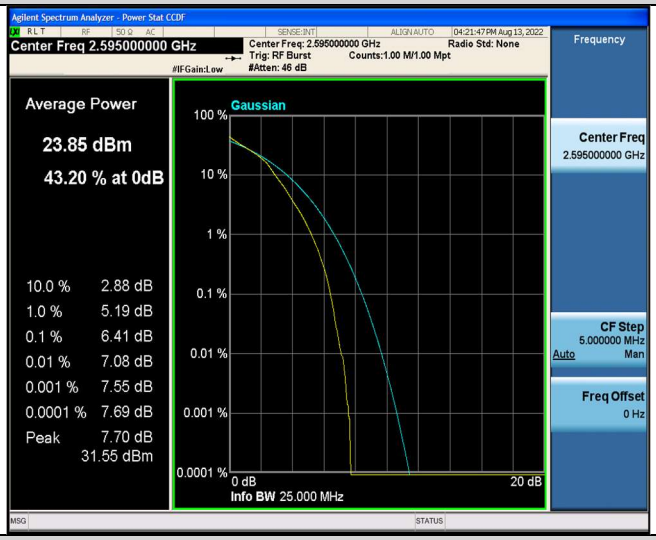
Band38-10MHz-QPSK-38000-50RB#0

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

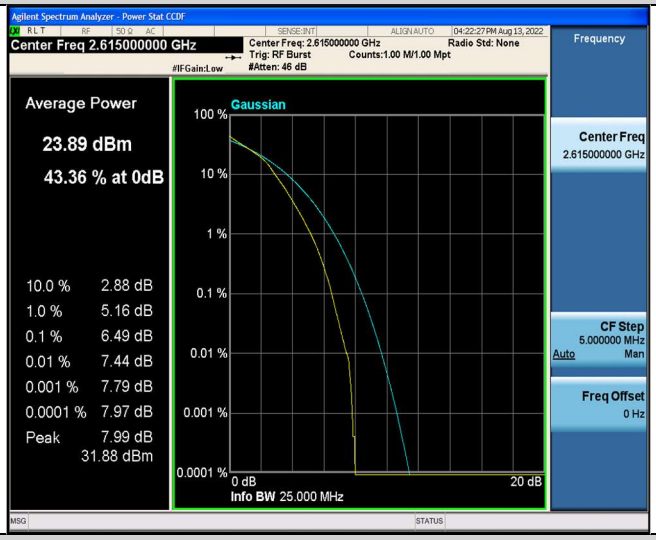
Band38-10MHz-16QAM-37800-50RB#0



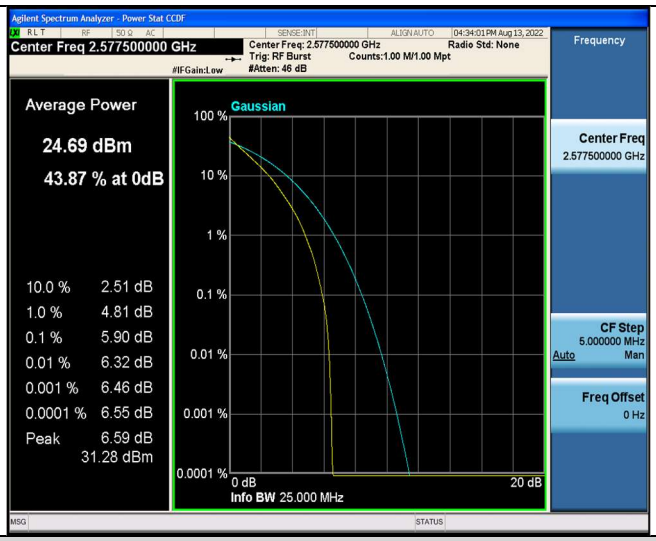
Band38-10MHz-16QAM-38000-50RB#0



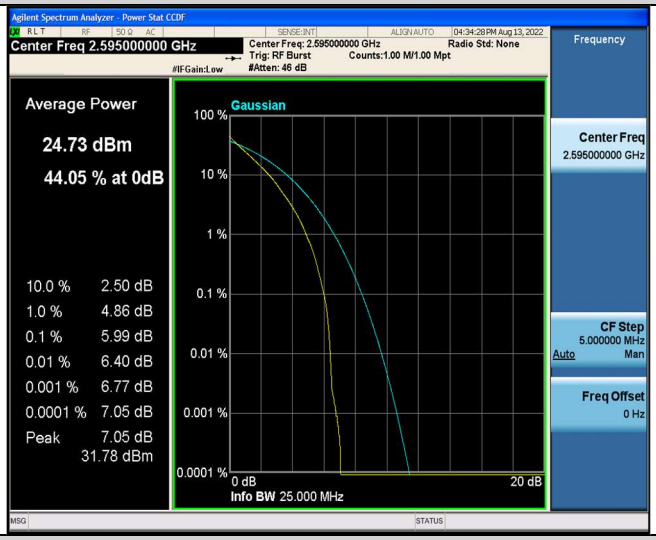
Band38-10MHz-16QAM-38200-50RB#0



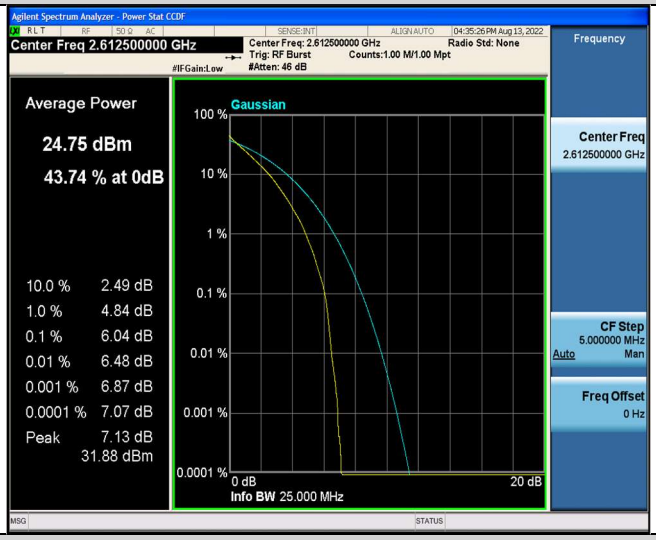
Band38-15MHz-QPSK-37825-75RB#0



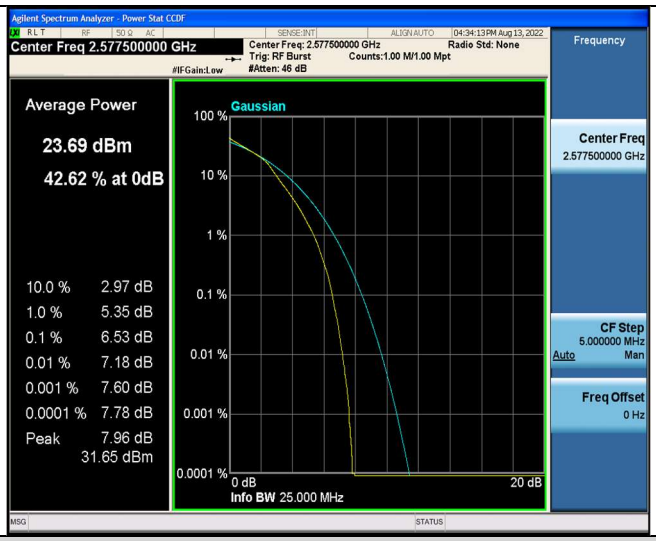
Band38-15MHz-QPSK-38000-75RB#0



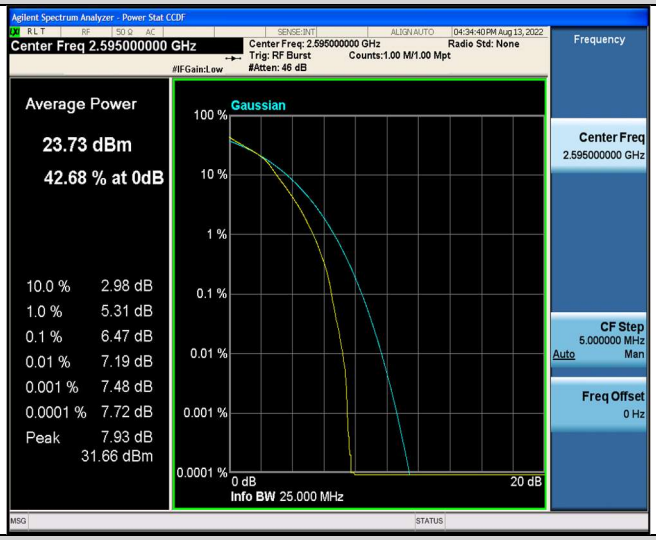
Band38-15MHz-QPSK-38175-75RB#0



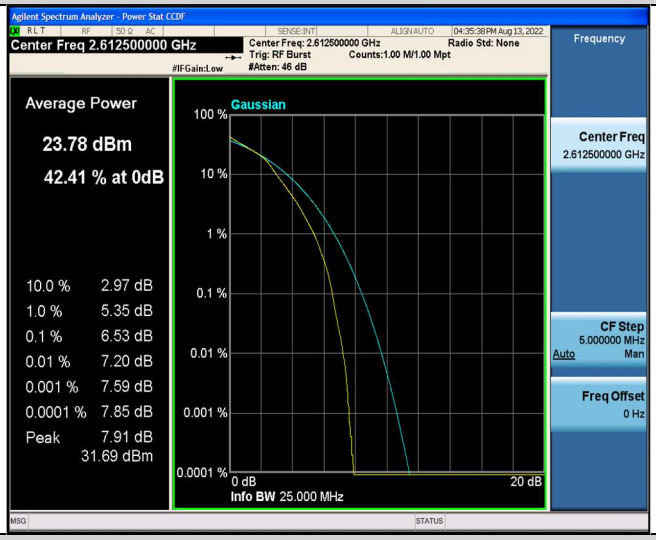
Band38-15MHz-16QAM-37825-75RB#0



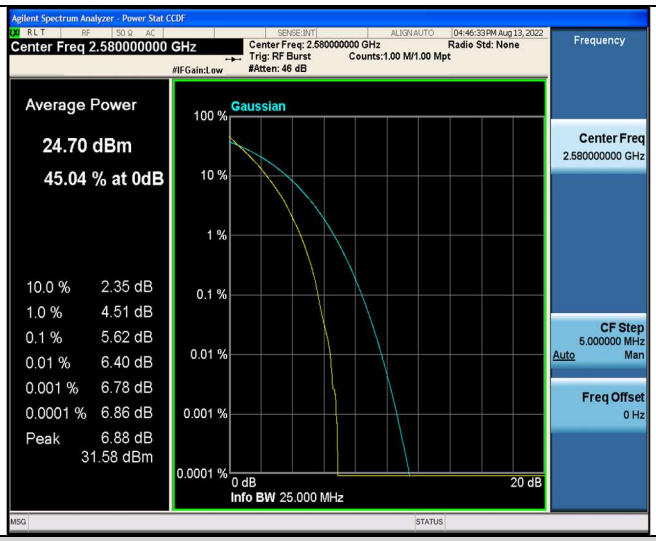
Band38-15MHz-16QAM-38000-75RB#0



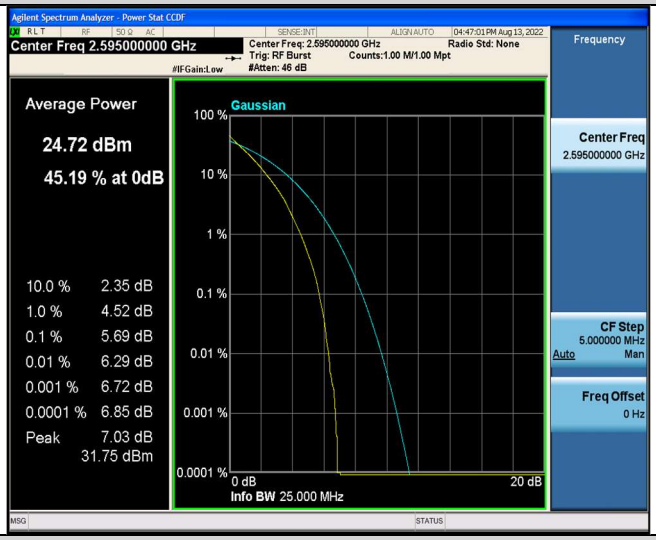
Band38-15MHz-16QAM-38175-75RB#0



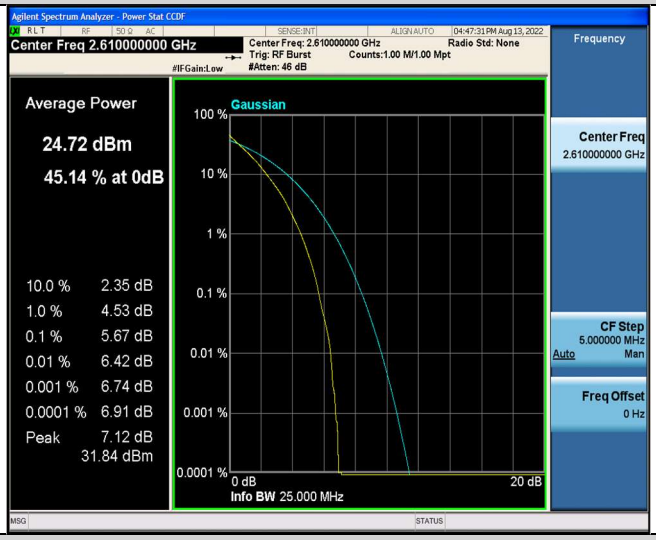
Band38-20MHz-QPSK-37850-100RB#0



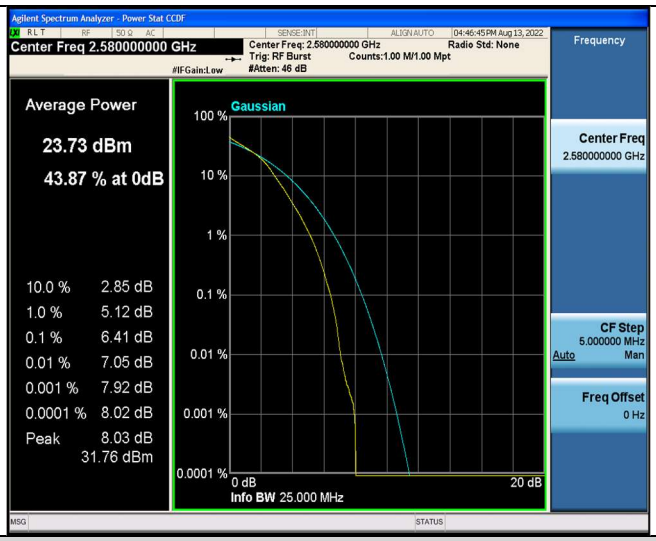
Band38-20MHz-QPSK-38000-100RB#0



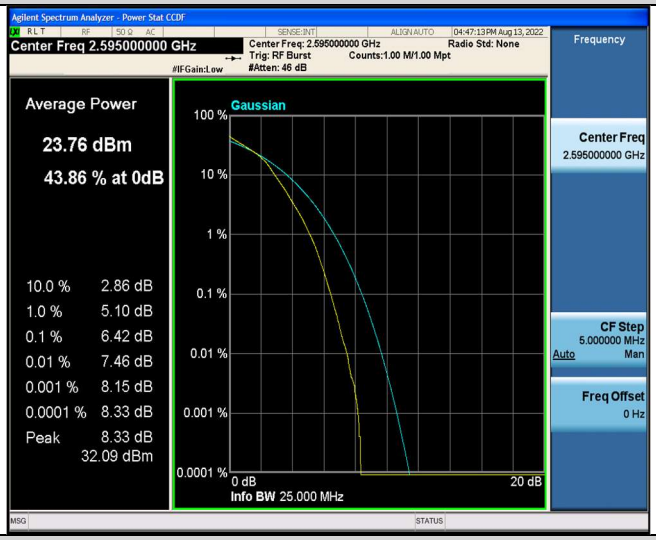
Band38-20MHz-QPSK-38150-100RB#0



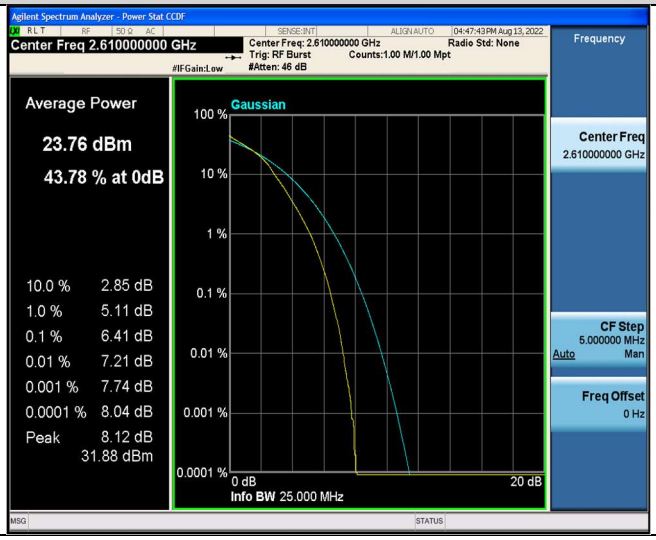
Band38-20MHz-16QAM-37850-100RB#0



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



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



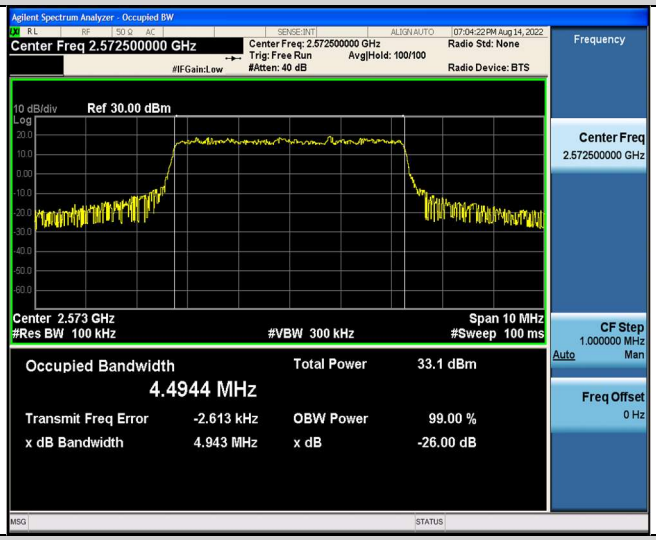
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

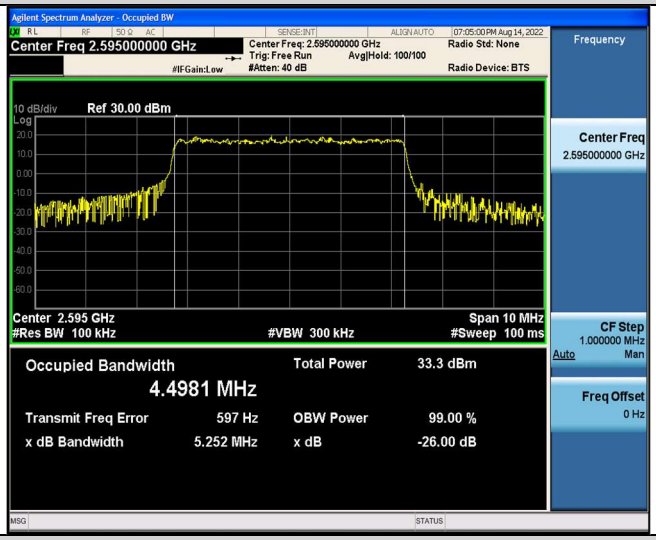
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4944	4.943	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4981	5.252	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4926	4.971	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4942	5.247	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4879	5.029	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4886	5.202	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9784	10.61	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9908	10.31	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9983	10.81	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9919	9.777	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9754	10.73	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9859	10.18	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.492	15.37	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.435	15.21	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.489	15.05	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.465	15.05	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.489	16.33	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.465	16.18	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.990	20.28	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.941	19.63	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.918	20.05	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.918	19.34	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.953	19.99	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.943	20.43	PASS

Test Graphs

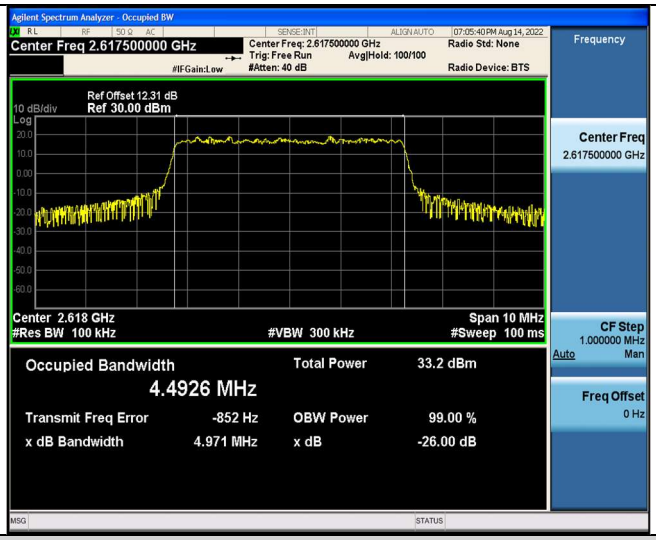
Band38-5MHz-QPSK-37775-25RB#0



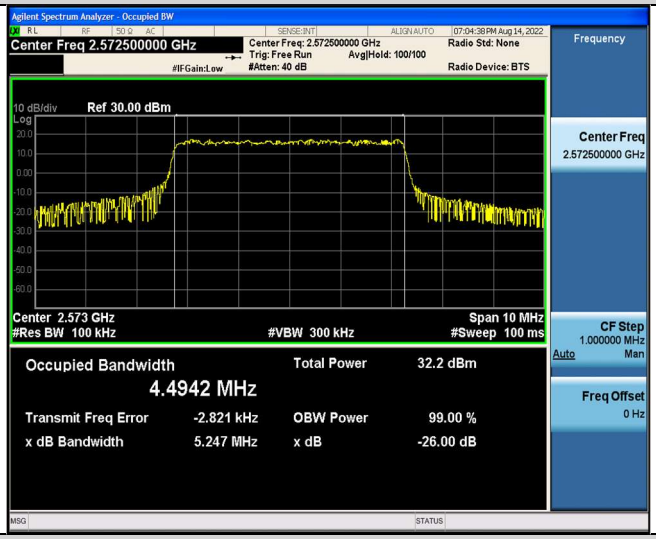
Band38-5MHz-QPSK-38000-25RB#0



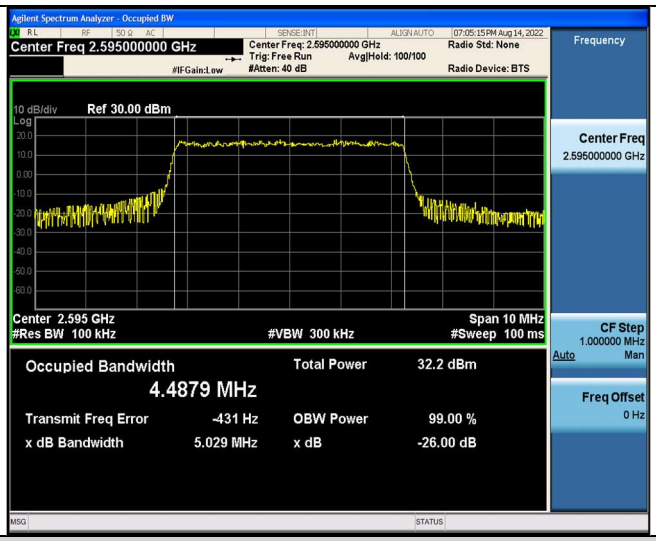
Band38-5MHz-QPSK-38225-25RB#0



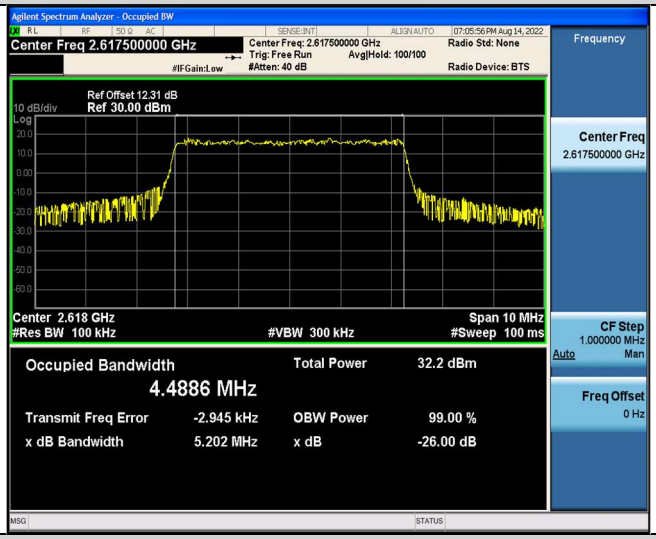
Band38-5MHz-16QAM-37775-25RB#0



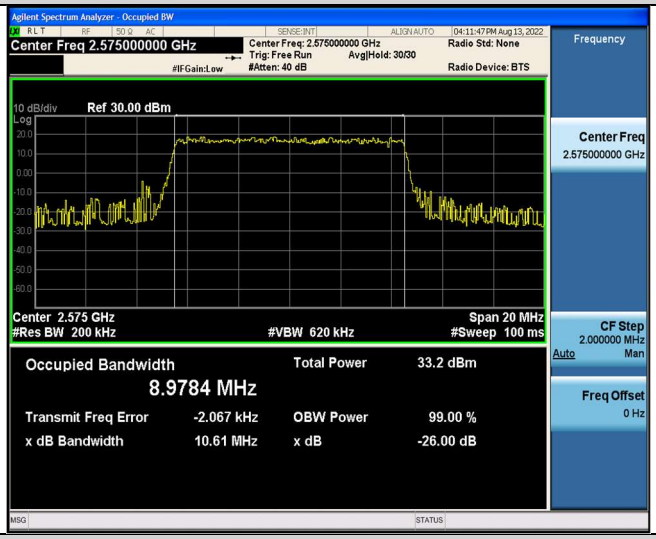
Band38-5MHz-16QAM-38000-25RB#0



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

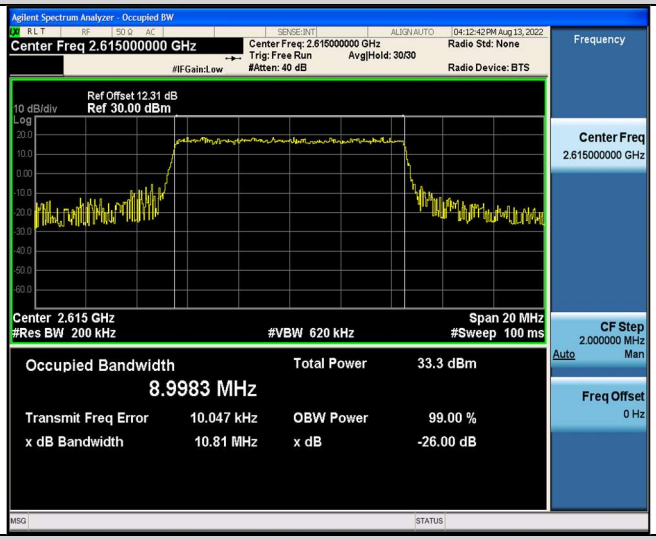


Band38-10MHz-QPSK-37800-50RB#0



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

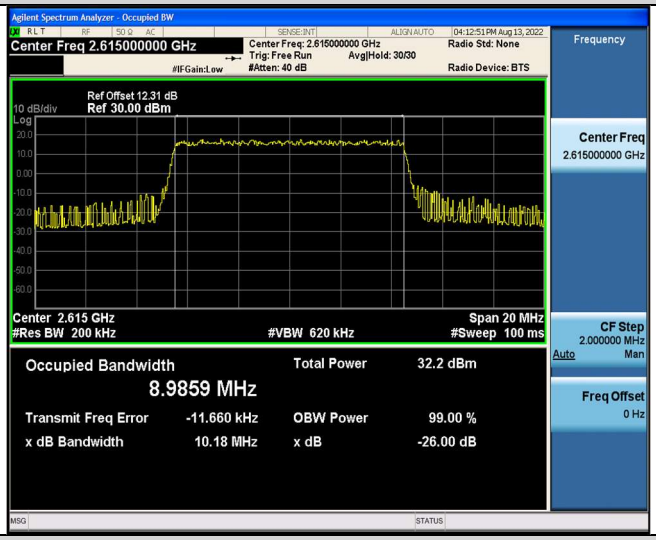
Band38-10MHz-QPSK-38200-50RB#0



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

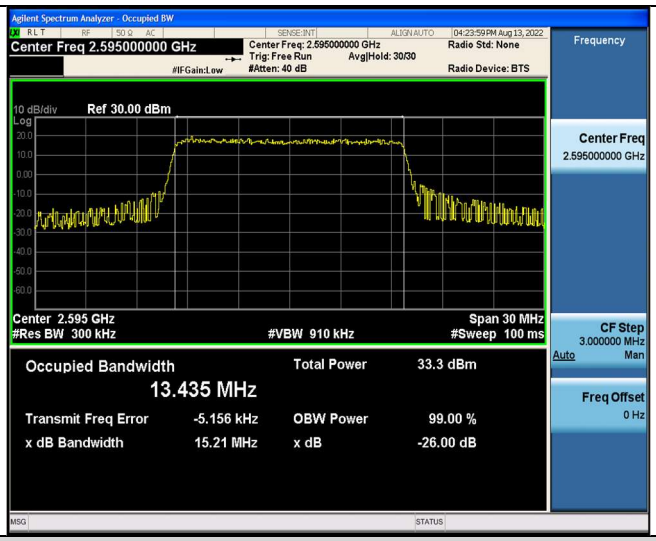
Band38-10MHz-16QAM-38000-50RB#0

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

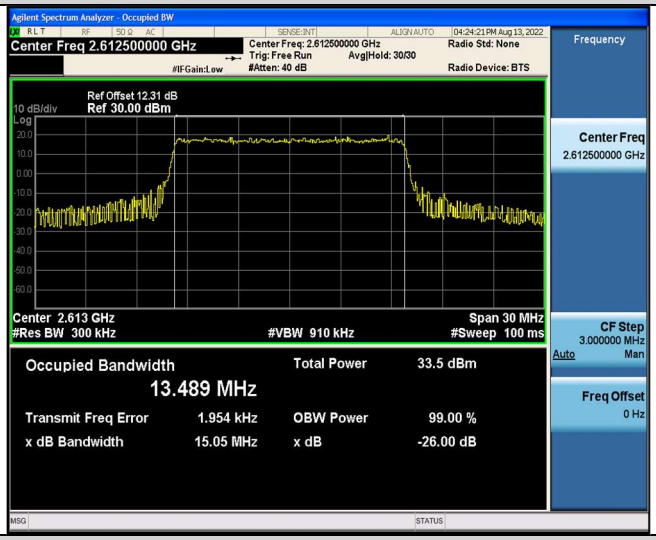


Band38-15MHz-QPSK-37825-75RB#0

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