

FCC Appendix RF Test Data for LTE Band 38

FCC ID : 2BRHB-M8

Company : Shenzhen SelectCam Technology Co., Ltd.

EUT : MDVR

Model Number : M8

Report No. : CTA25103100103

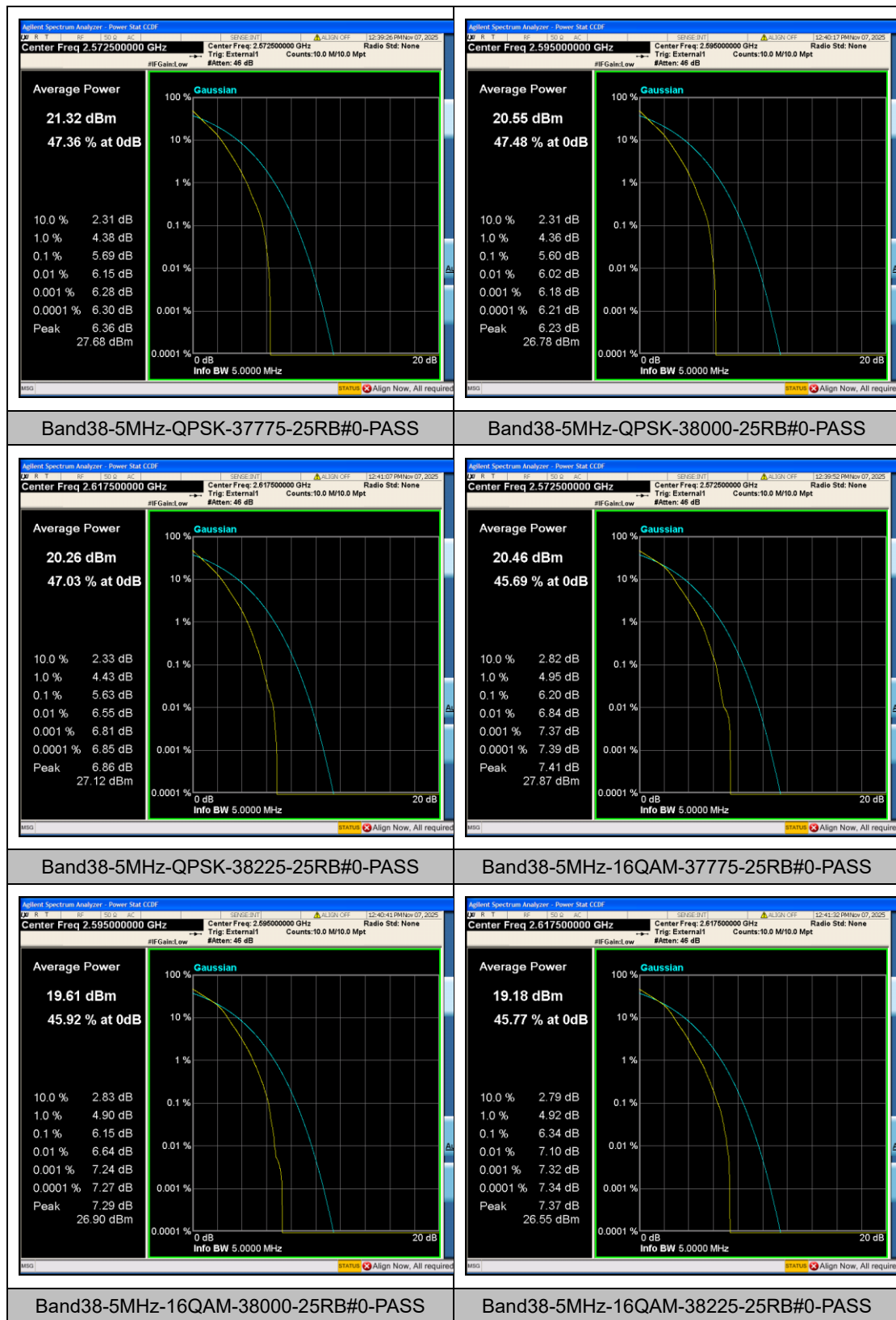
Reviewed By : Eric Wang

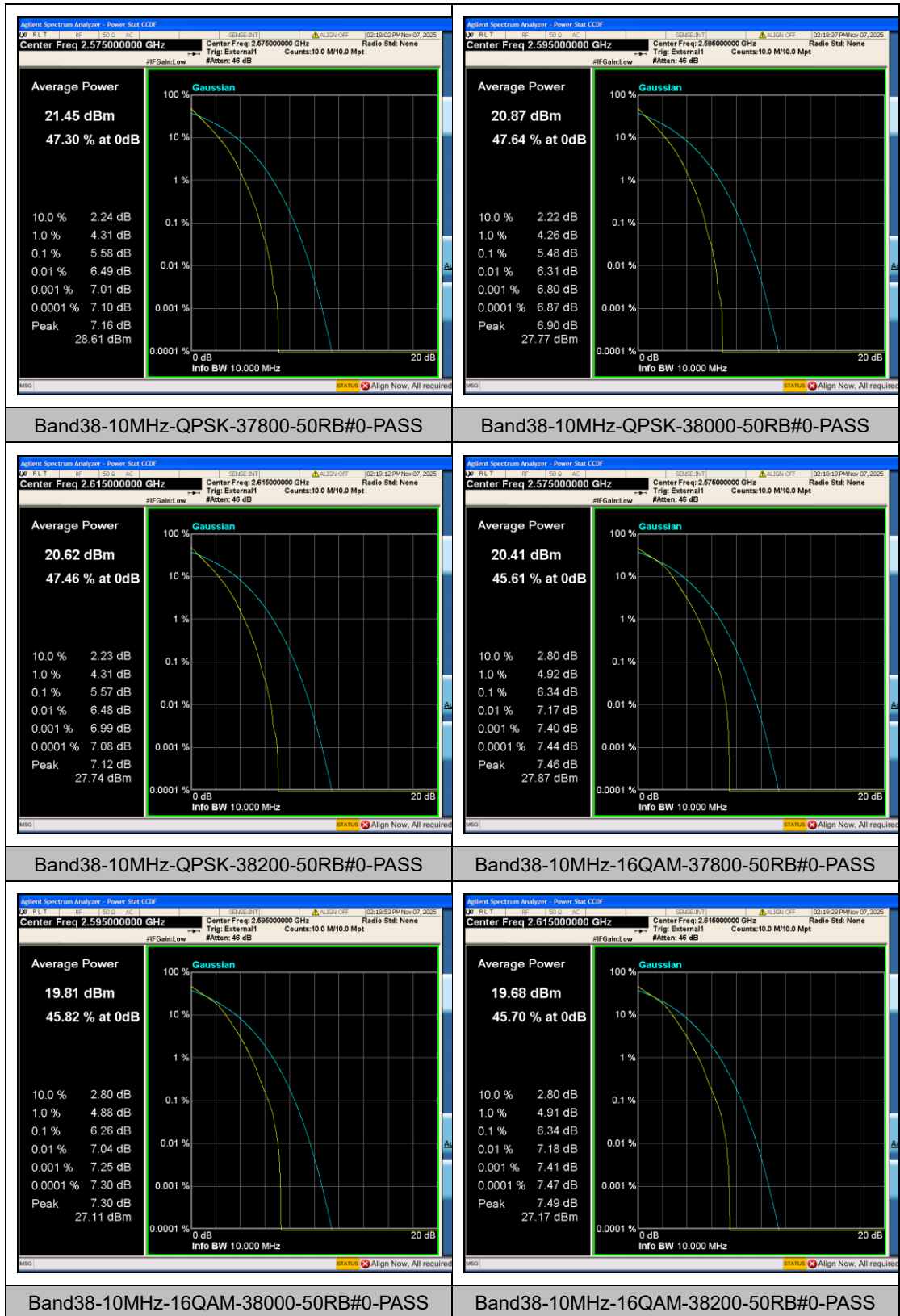
Appendix B: Peak-to-Average Ratio(CCDF)

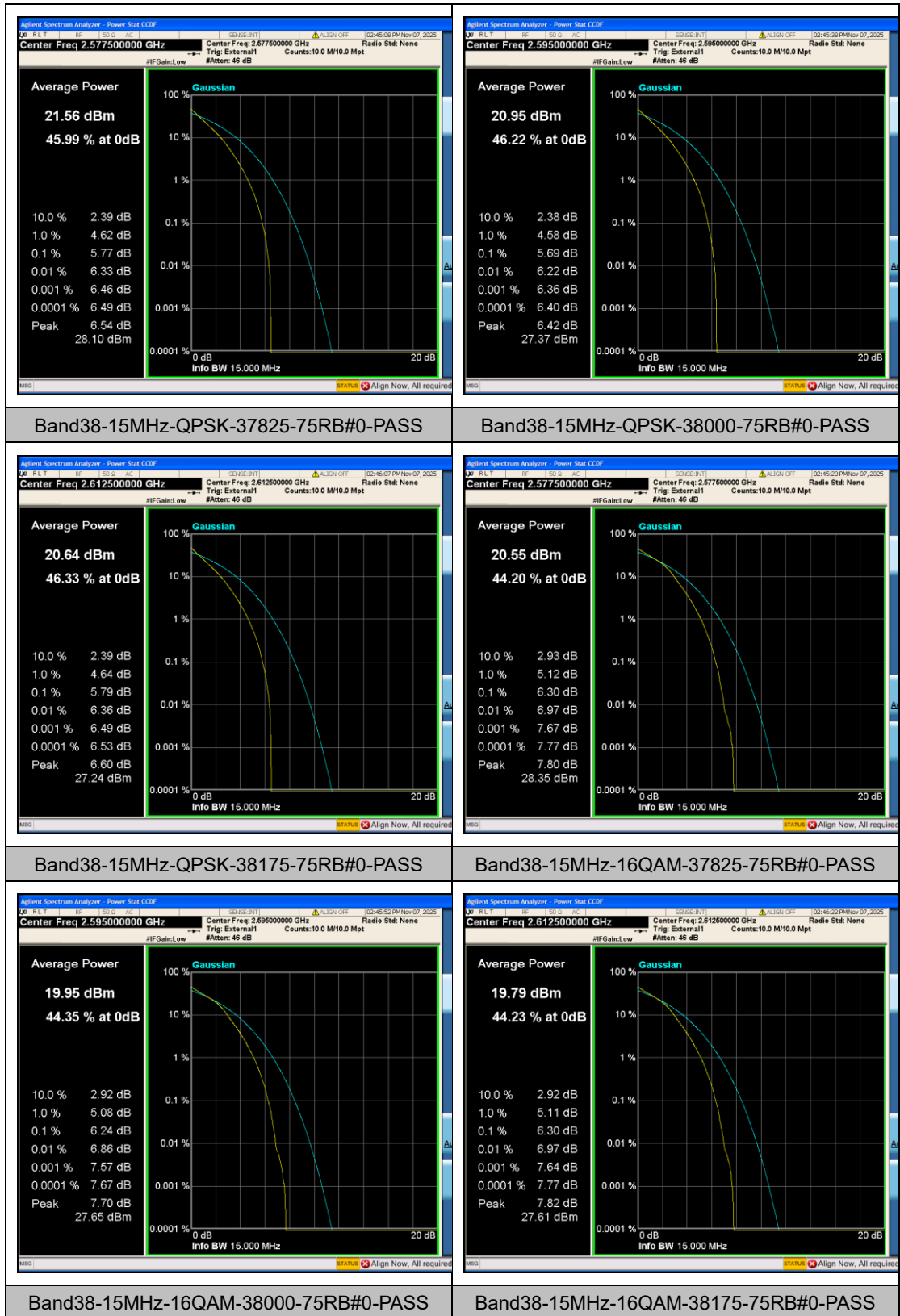
Test Result

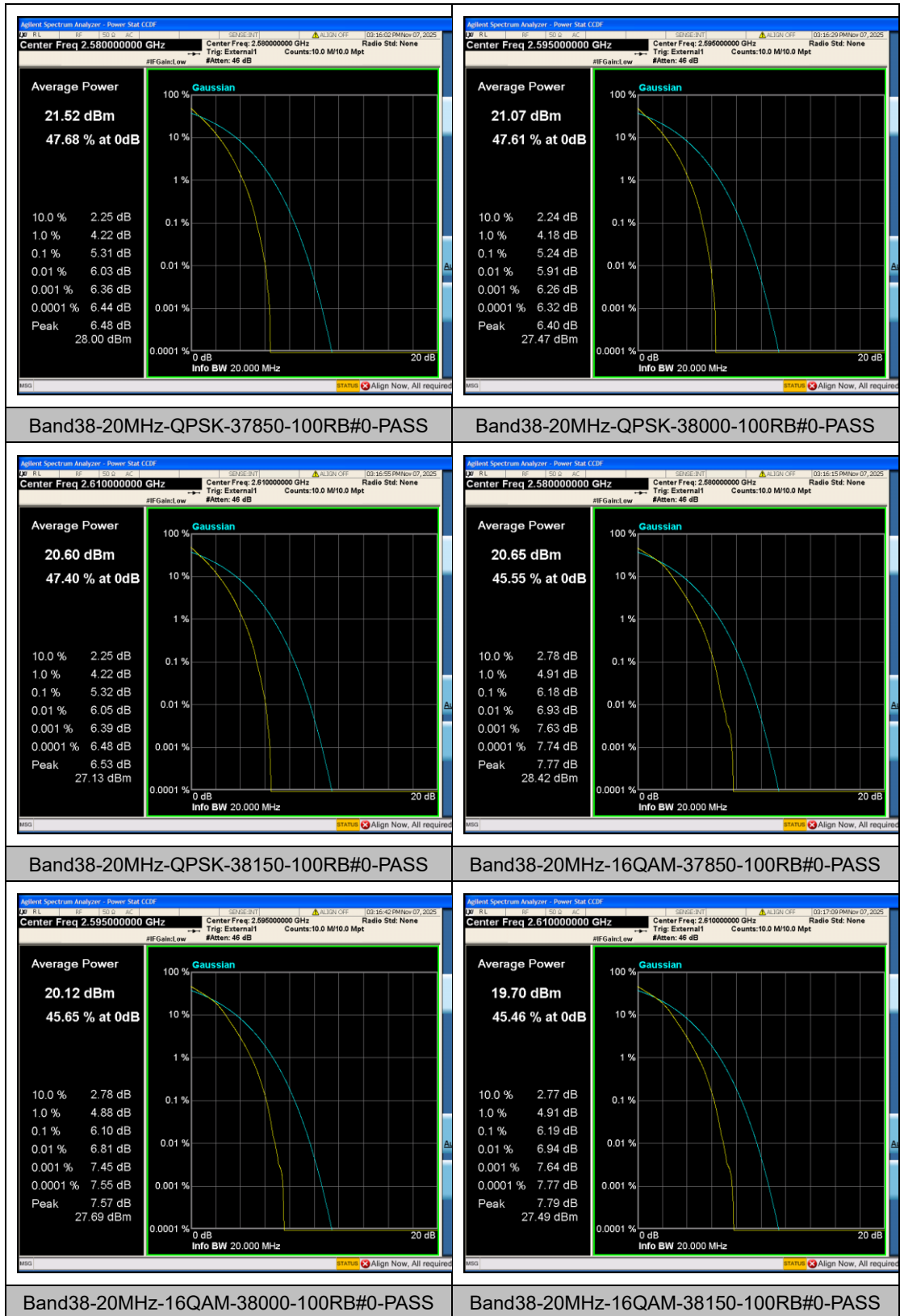
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.69	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.60	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.63	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.20	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.15	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.34	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.58	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.48	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.57	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.34	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.26	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.34	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.77	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.69	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.79	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.30	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.24	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.30	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.31	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.24	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.32	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.18	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.19	13	PASS

Test Graphs







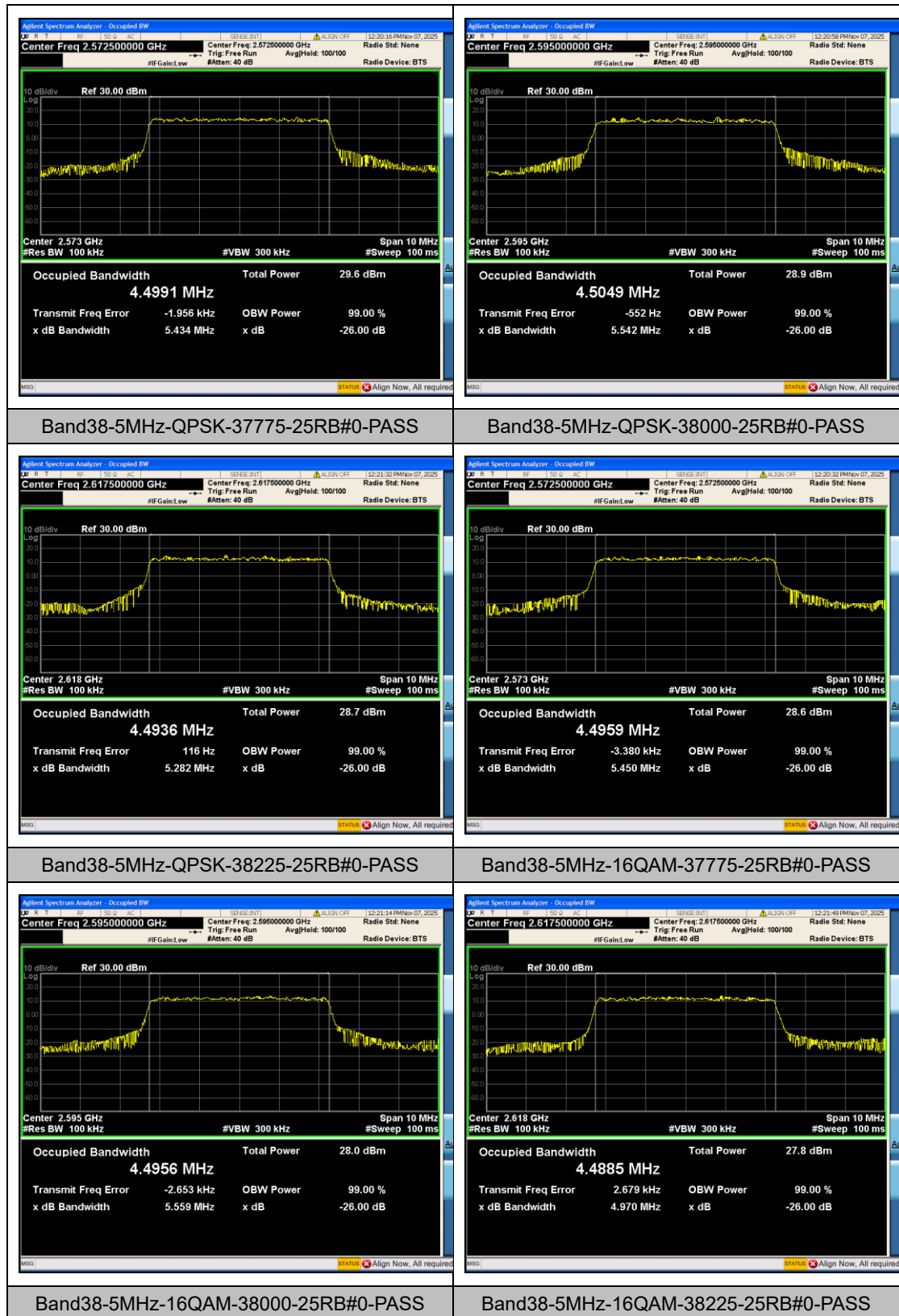


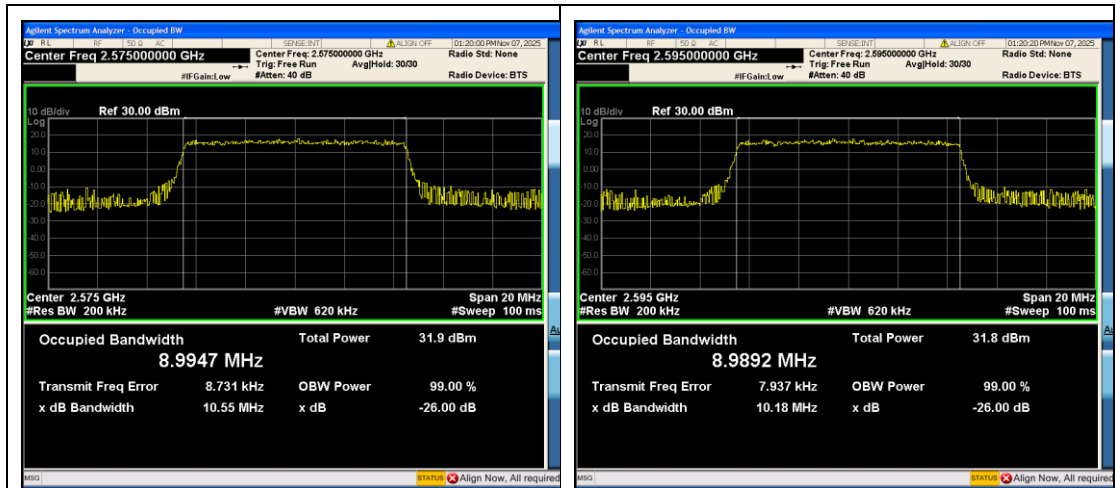
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4991	5.434	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5049	5.542	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4936	5.282	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4959	5.450	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4956	5.559	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4885	4.970	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9947	10.55	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9892	10.18	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0027	10.35	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9891	10.02	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9763	9.923	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9964	14.39	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.450	14.79	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.466	14.88	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.421	15.57	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.459	14.77	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.441	14.80	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.488	15.72	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.927	20.02	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.947	20.03	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.923	20.29	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.885	19.50	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.876	19.29	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.877	20.25	PASS

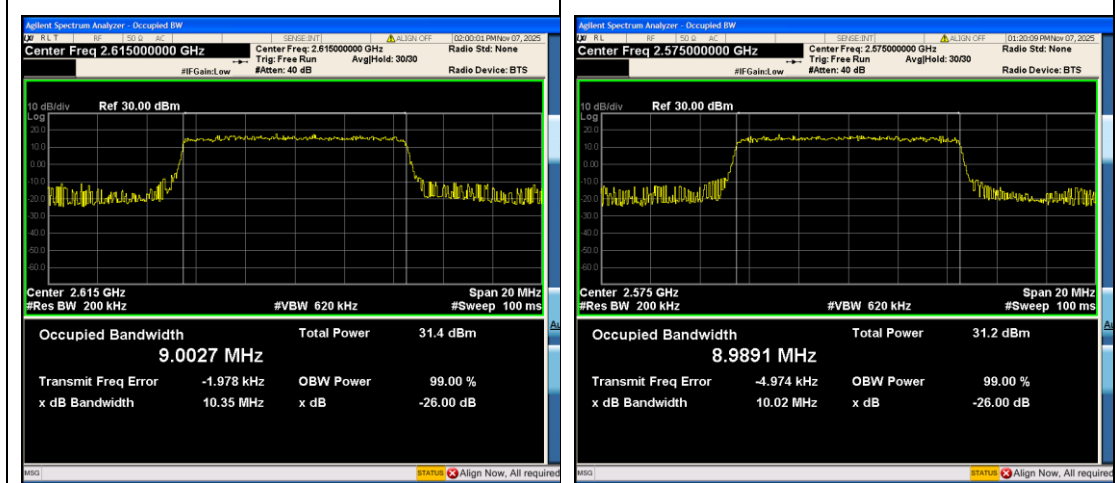
Test Graphs





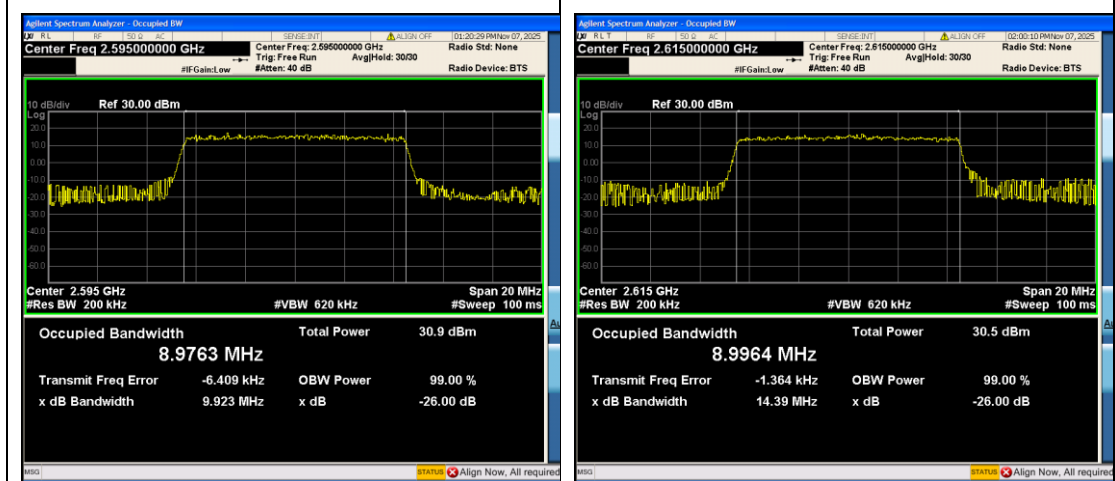
Band38-10MHz-QPSK-37800-50RB#0-PASS

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



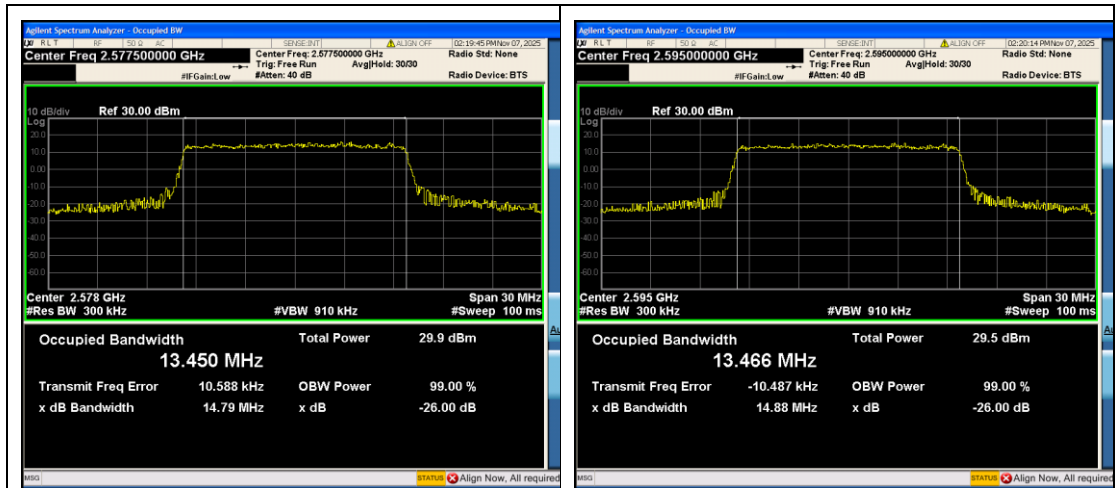
Band38-10MHz-QPSK-38200-50RB#0-PASS

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



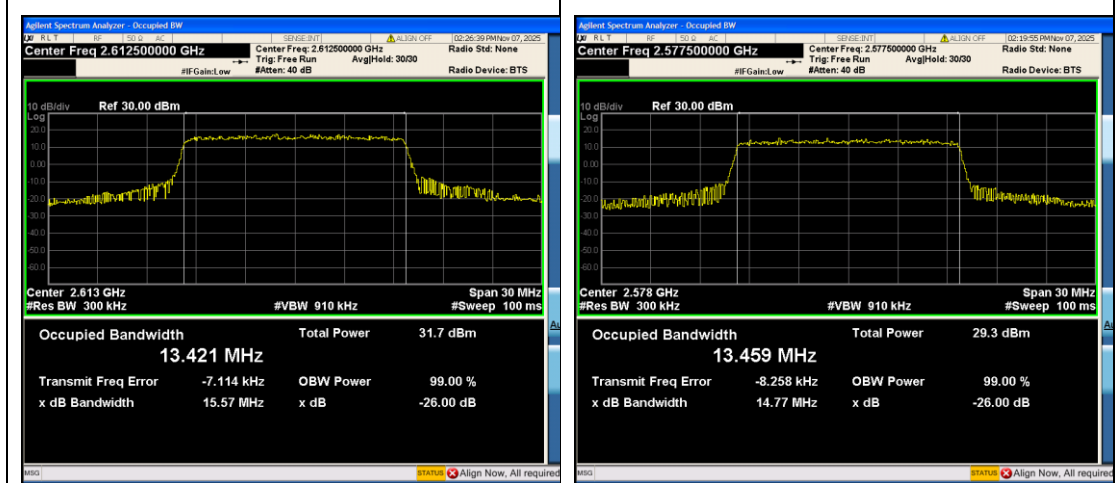
Band38-10MHz-16QAM-38000-50RB#0-PASS

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



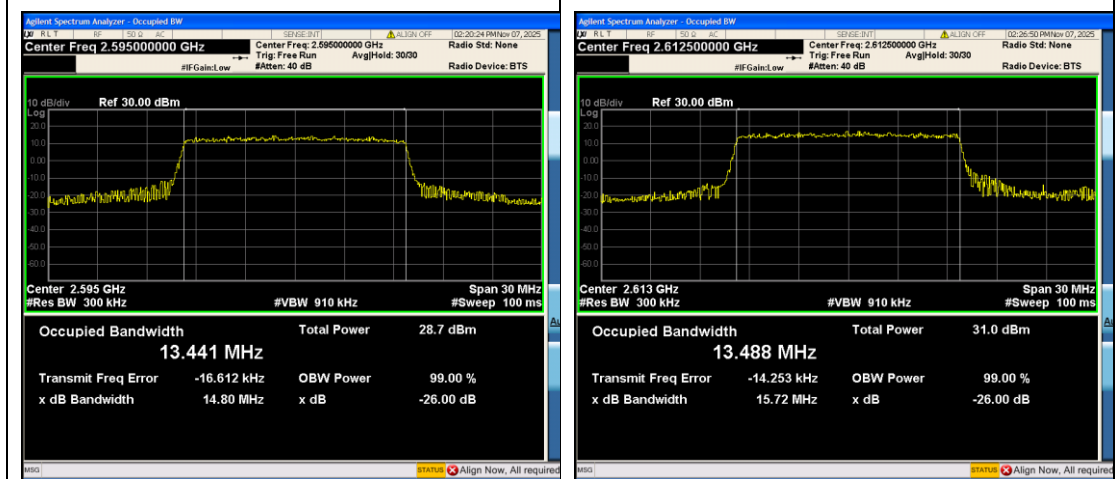
Band38-15MHz-QPSK-37825-75RB#0-PASS

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



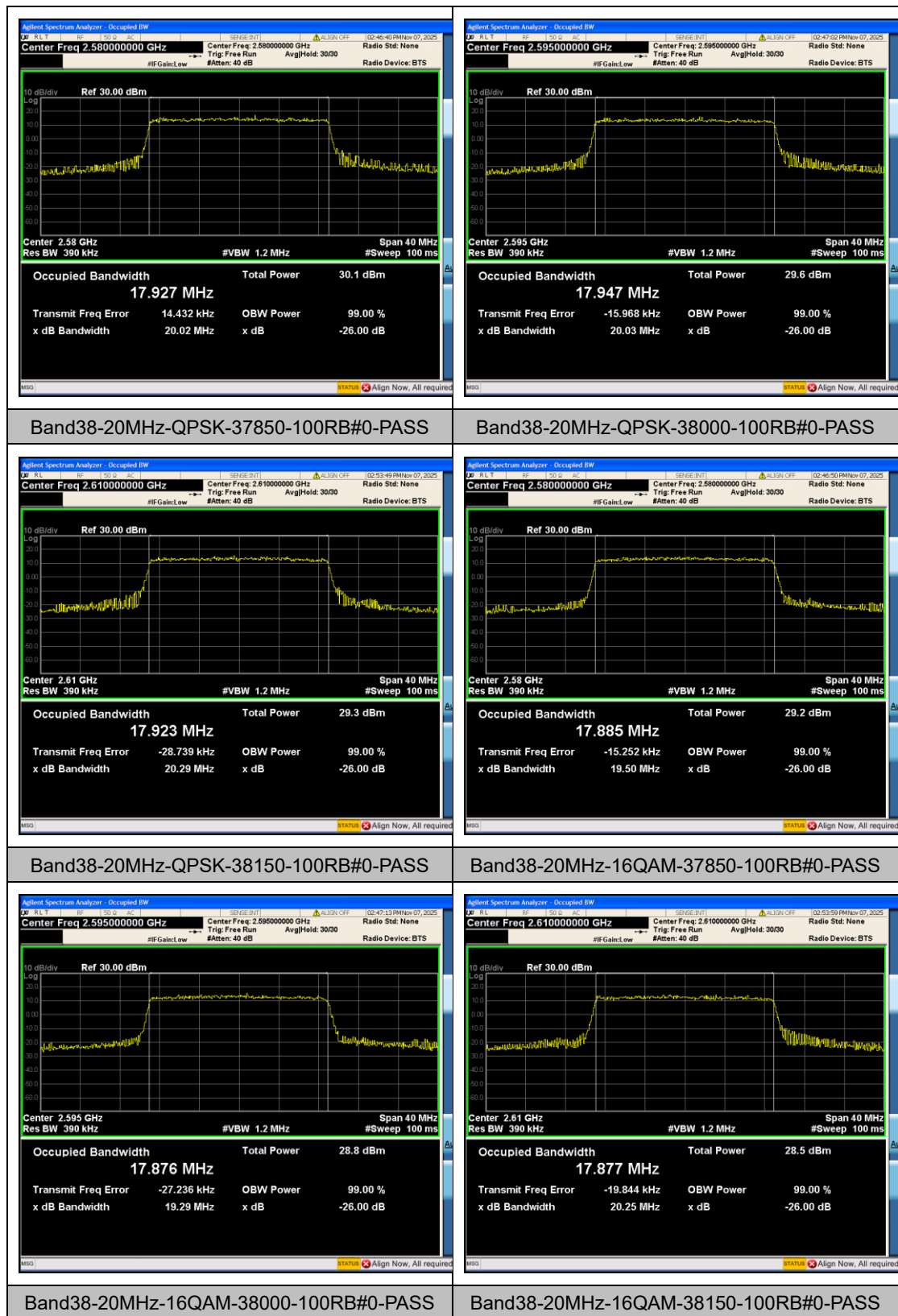
Band38-15MHz-QPSK-38175-75RB#0-PASS

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



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

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

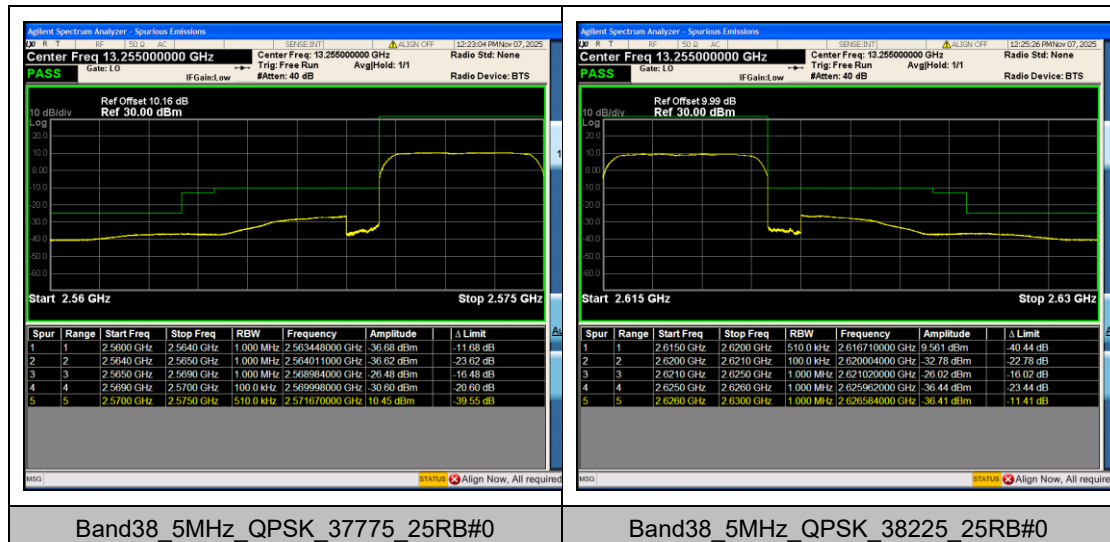


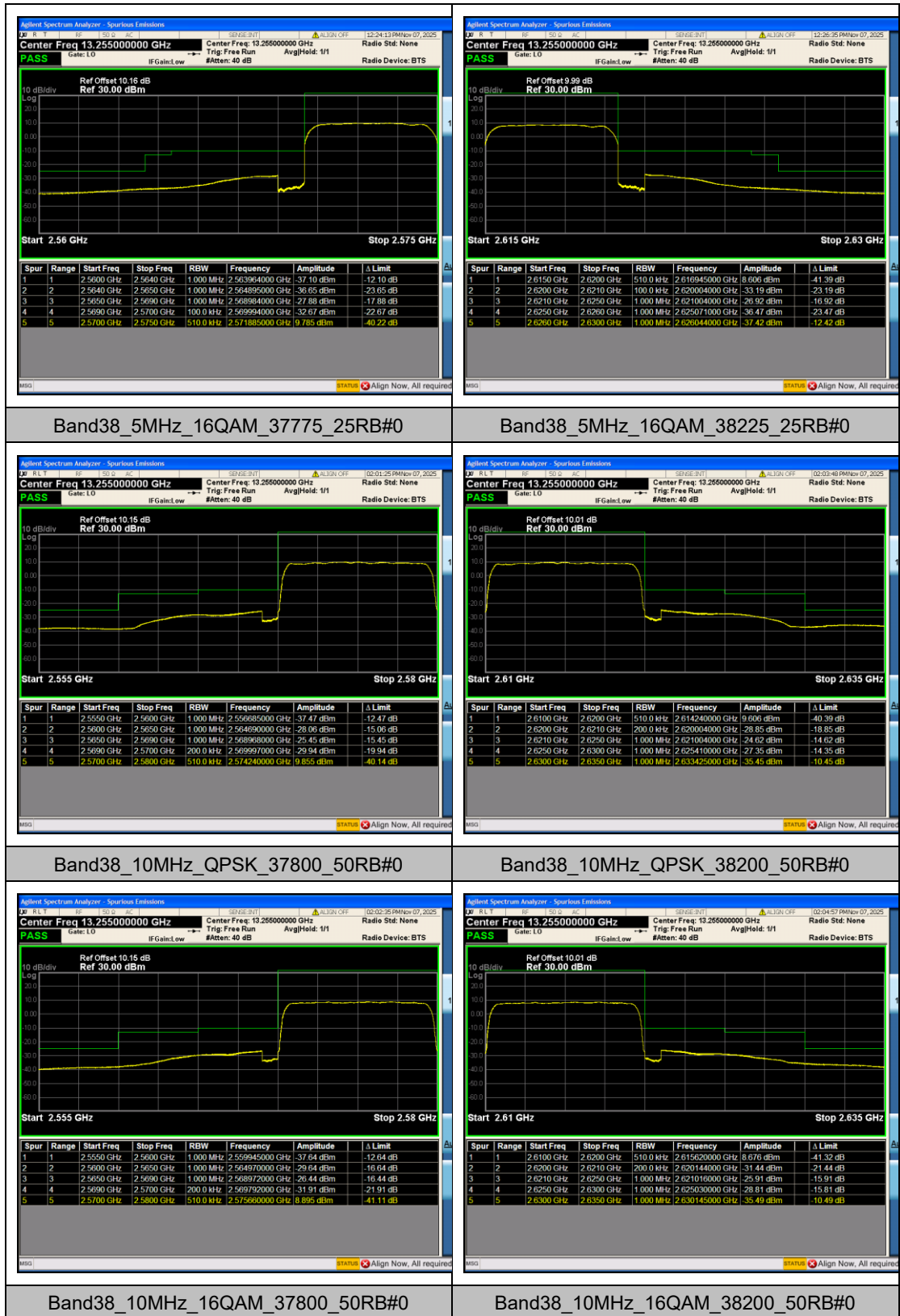
Appendix D: Band Edge

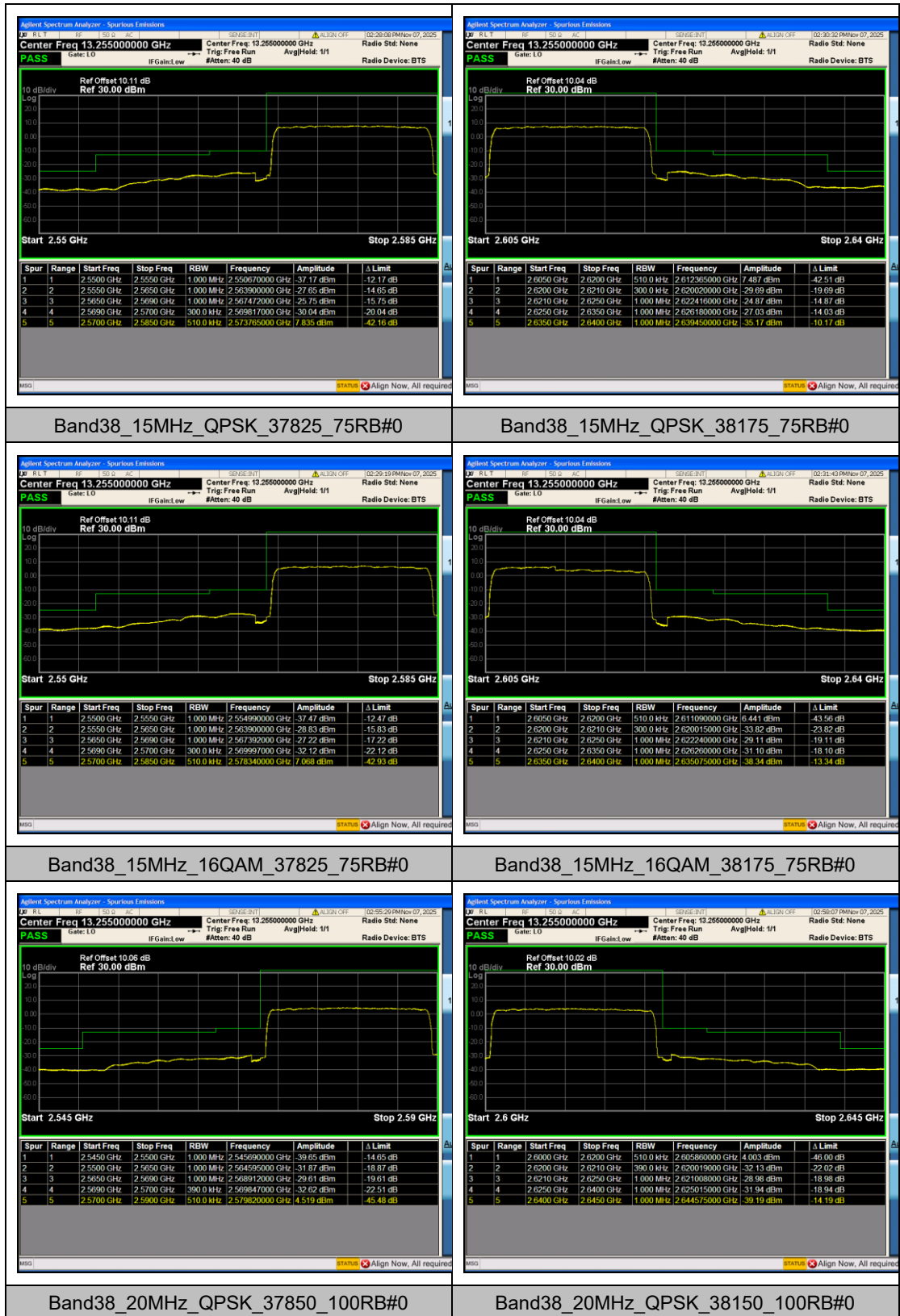
Test Result

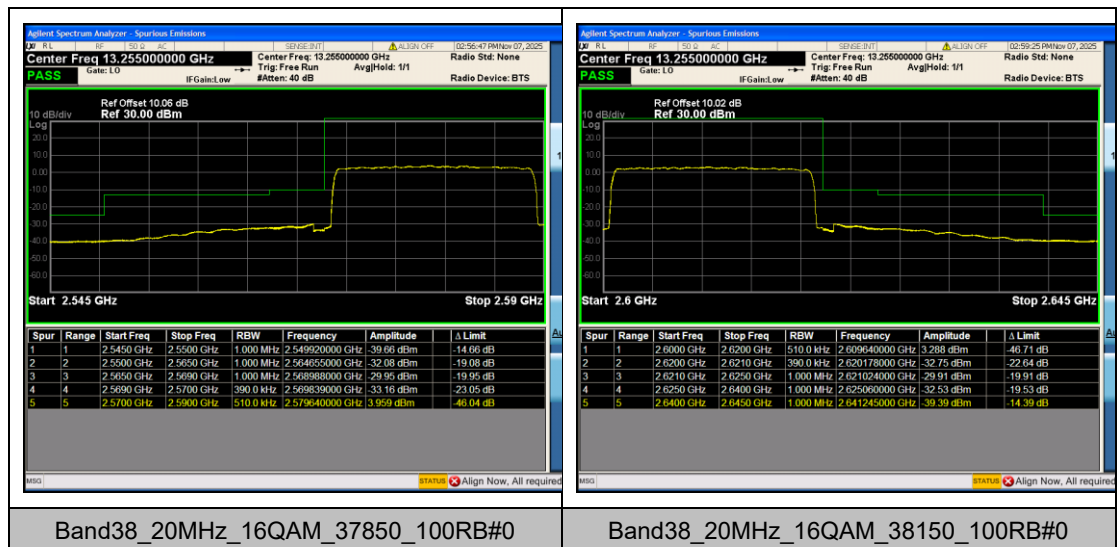
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-36.68	PASS
Band38	5MHz	QPSK	38225	25RB#0	-36.41	PASS
Band38	5MHz	16QAM	37775	25RB#0	-37.10	PASS
Band38	5MHz	16QAM	38225	25RB#0	-37.42	PASS
Band38	10MHz	QPSK	37800	50RB#0	-37.47	PASS
Band38	10MHz	QPSK	38200	50RB#0	-35.45	PASS
Band38	10MHz	16QAM	37800	50RB#0	-37.64	PASS
Band38	10MHz	16QAM	38200	50RB#0	-35.49	PASS
Band38	15MHz	QPSK	37825	75RB#0	-37.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	-35.17	PASS
Band38	15MHz	16QAM	37825	75RB#0	-37.47	PASS
Band38	15MHz	16QAM	38175	75RB#0	-38.34	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.65	PASS
Band38	20MHz	QPSK	38150	100RB#0	-39.19	PASS
Band38	20MHz	16QAM	37850	100RB#0	-39.66	PASS
Band38	20MHz	16QAM	38150	100RB#0	-39.39	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-66.70	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-57.26	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-62.33	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-35.58	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-31.79	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-68.13	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-56.97	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-61.69	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-37.47	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-31.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-67.20	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-56.20	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-61.91	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-36.06	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-31.65	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-64.68	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-53.95	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-61.20	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-38.18	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-32.04	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-65.33	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-54.42	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-60.21	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-38.57	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-32.04	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-66.05	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-53.17	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-60.14	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-38.55	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-32.03	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-66.41	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-60.80	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-57.41	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-35.23	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-31.85	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-65.23	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-61.38	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-62.07	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-35.87	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-31.66	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-66.16	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-59.70	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-62.27	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-35.34	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-31.96	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-66.70	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-62.69	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-62.11	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-38.52	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-31.79	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-68.29	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-61.91	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-57.17	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-38.04	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-32.09	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-64.20	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-62.01	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-55.85	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-36.54	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-31.91	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-65.27	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-55.29	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-60.66	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-37.89	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-31.81	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-67.24	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-57.35	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-61.38	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-38.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-32.01	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-67.04	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-58.50	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-60.87	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-37.22	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-31.79	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-68.80	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-56.92	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-61.74	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-38.49	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-31.85	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-66.13	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-59.46	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-60.20	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-38.38	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-32.02	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-66.40	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-54.24	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-59.83	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-38.28	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-31.98	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-68.12	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-55.79	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-59.39	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-38.66	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-31.93	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-66.73	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-59.35	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-60.16	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-38.10	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-31.77	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-66.26	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-53.97	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-60.72	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-38.31	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-31.82	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-65.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-58.44	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-61.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-38.13	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-31.90	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-67.75	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-55.34	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-61.27	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-38.42	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-31.86	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-67.45	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-54.64	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-60.87	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-38.62	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-31.94	PASS