

FCC LTE Band Test Data

FCC ID : 2BF4O-CC4PRO

Company: : Shenzhen TEYES High tech Co., Ltd.

EUT : Car Headunit

Model Number : CC4PRO

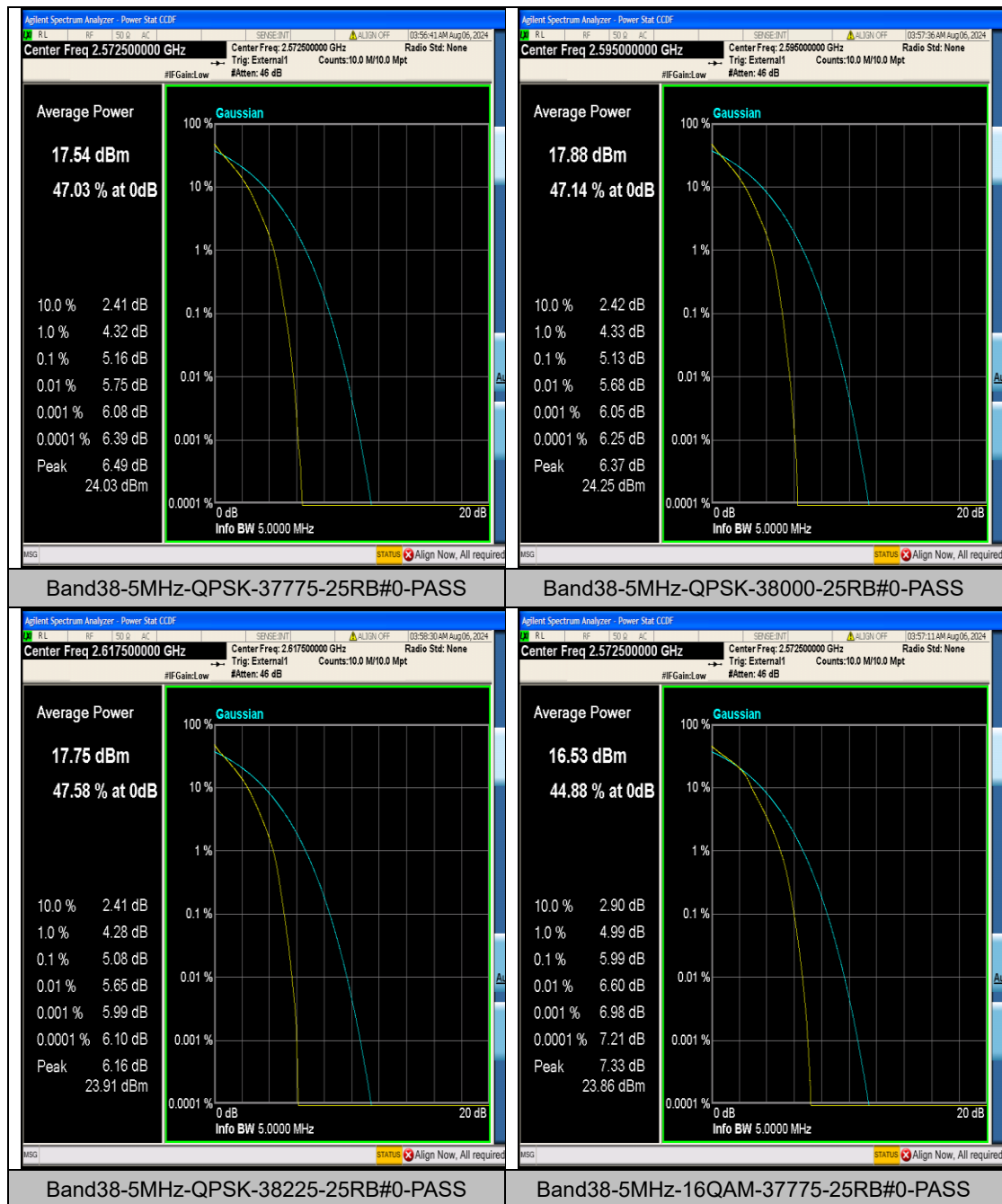
Reviewed By : Eric Wang

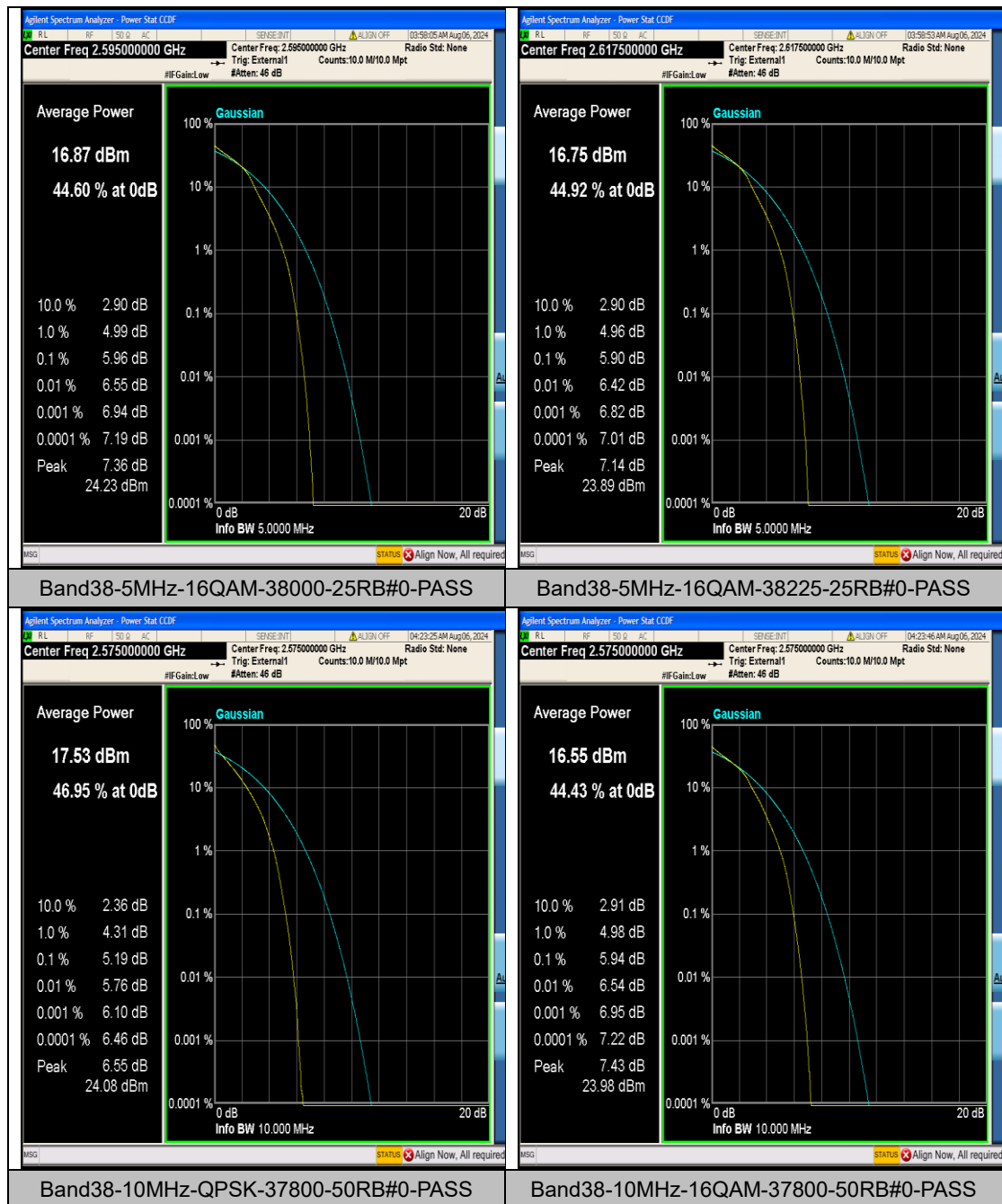
Appendix B: Peak-to-Average Ratio(CCDF)

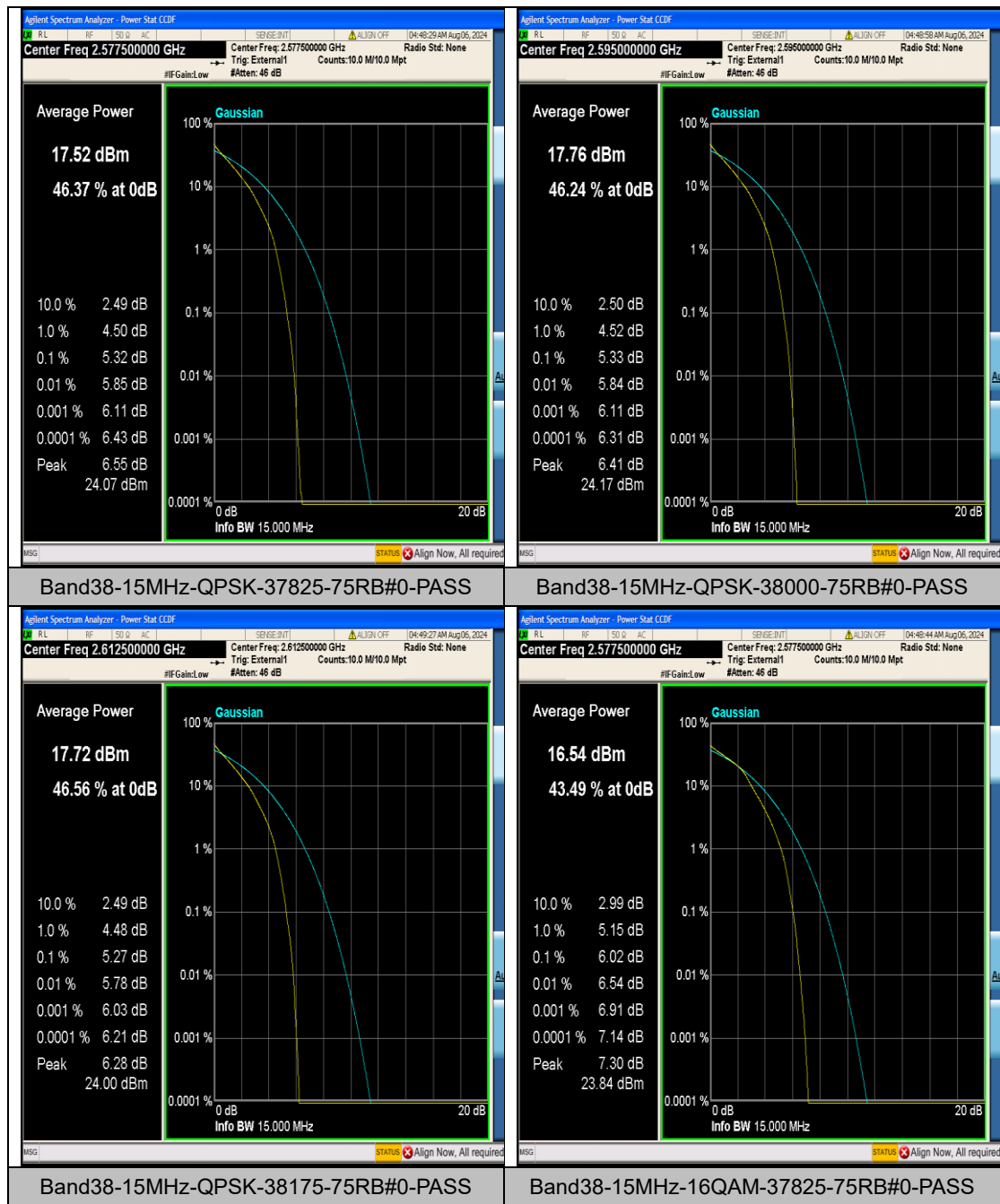
Test Result

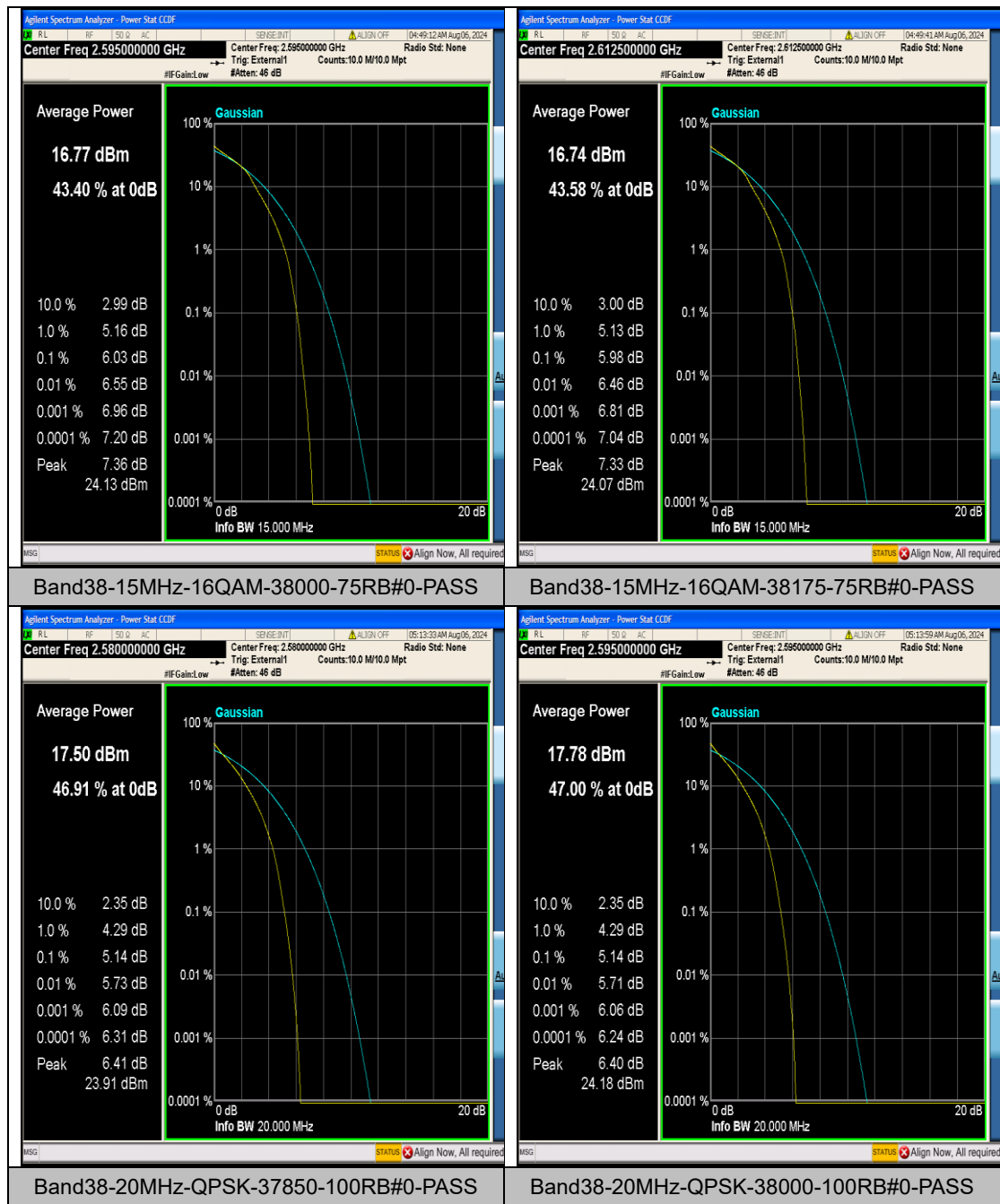
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.16	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.13	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.08	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.99	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	5.96	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	5.90	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.19	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	5.94	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.32	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.33	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.27	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.02	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.03	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	5.98	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.14	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.14	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.08	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.94	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	5.94	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	5.90	13	PASS

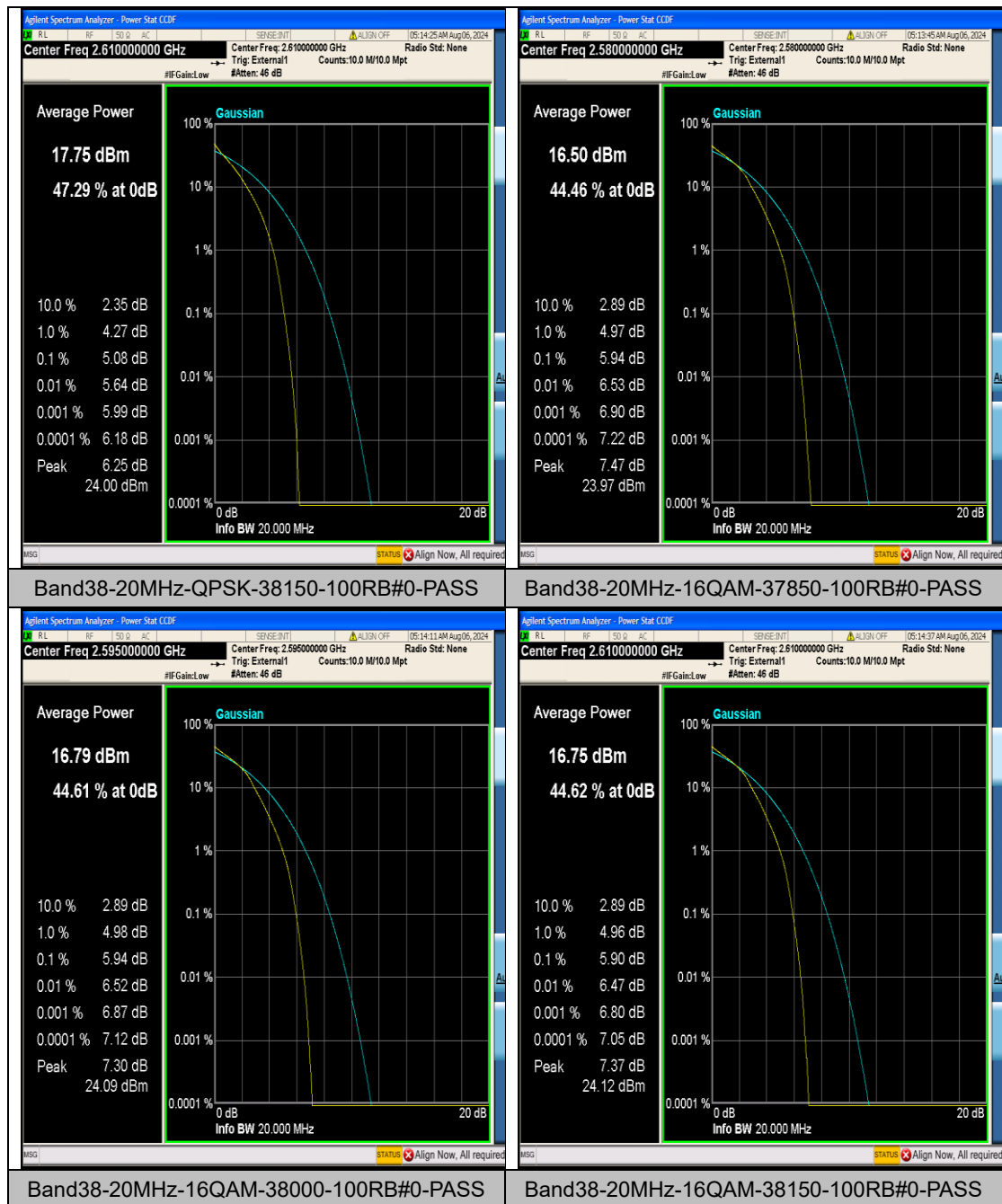
Test Graphs









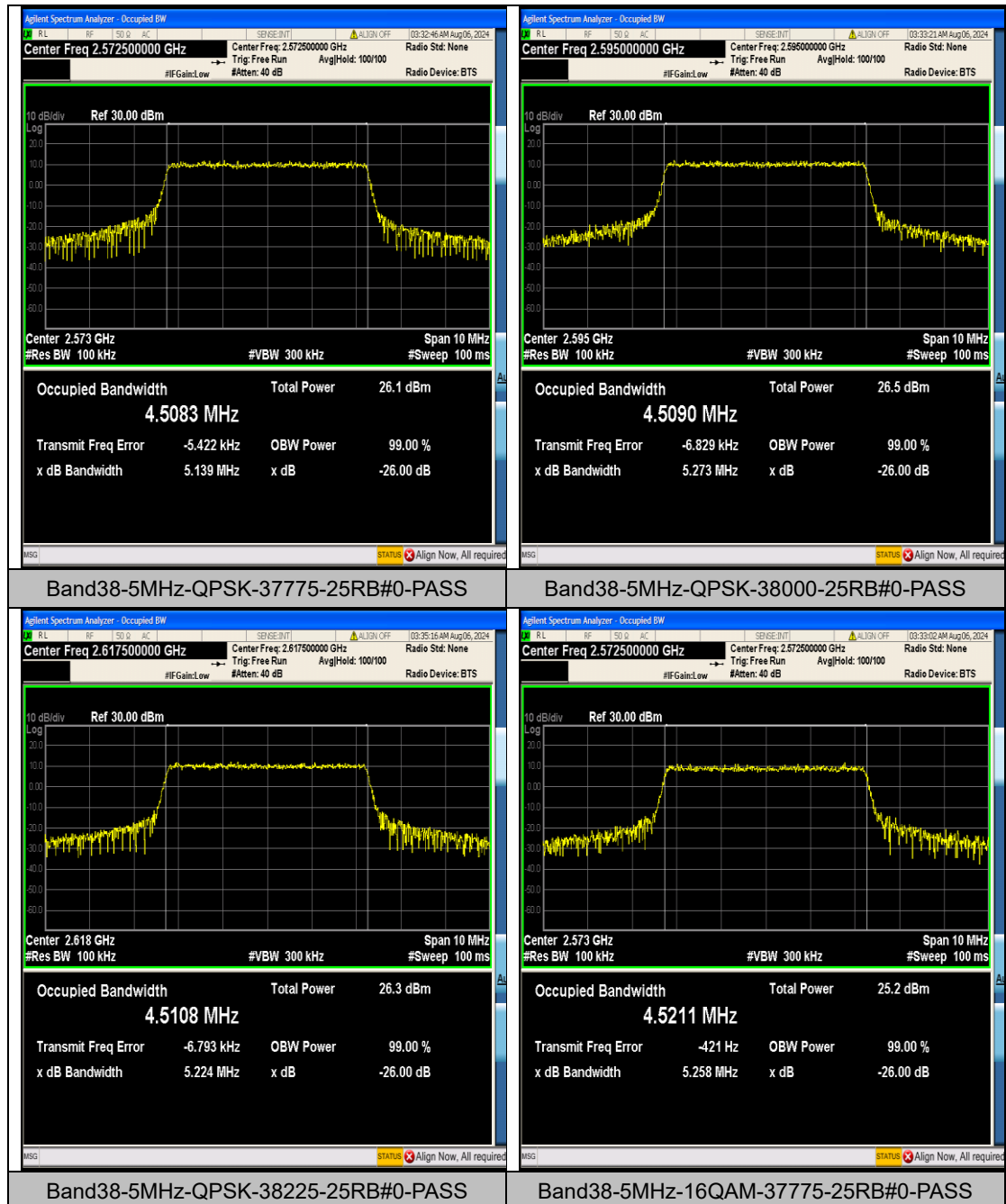


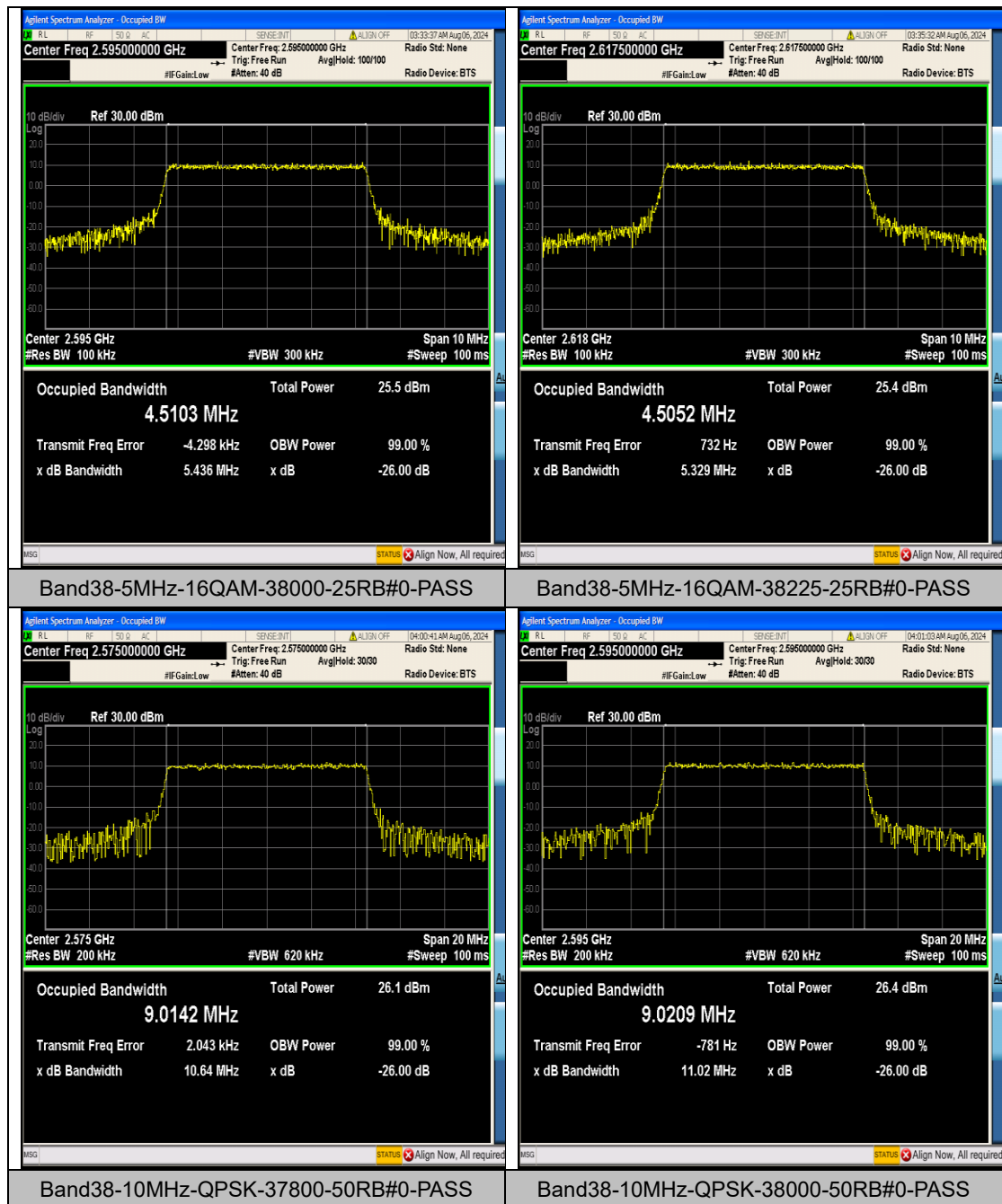
Appendix C: 26dB Bandwidth and Occupied Bandwidth

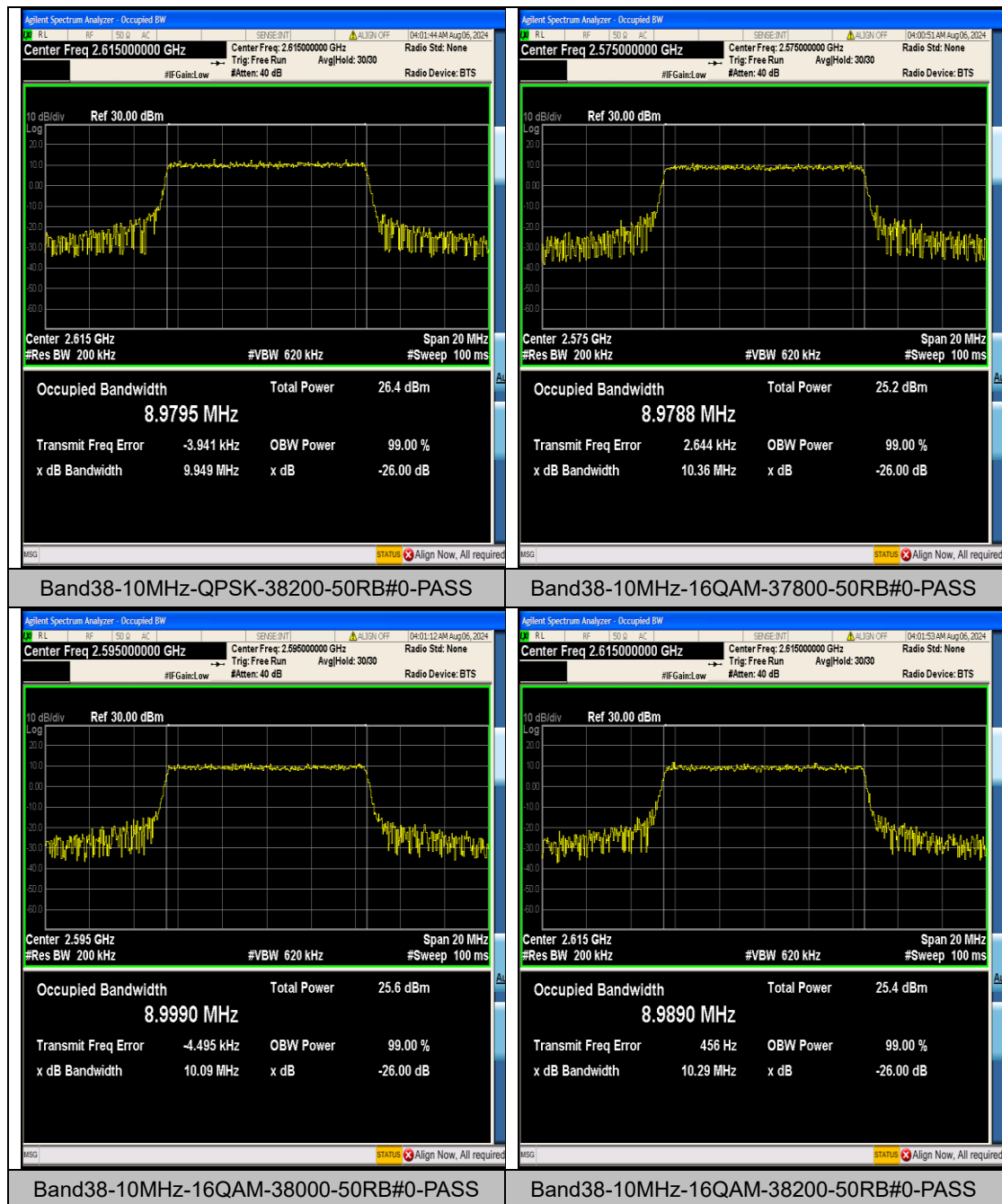
Test Result

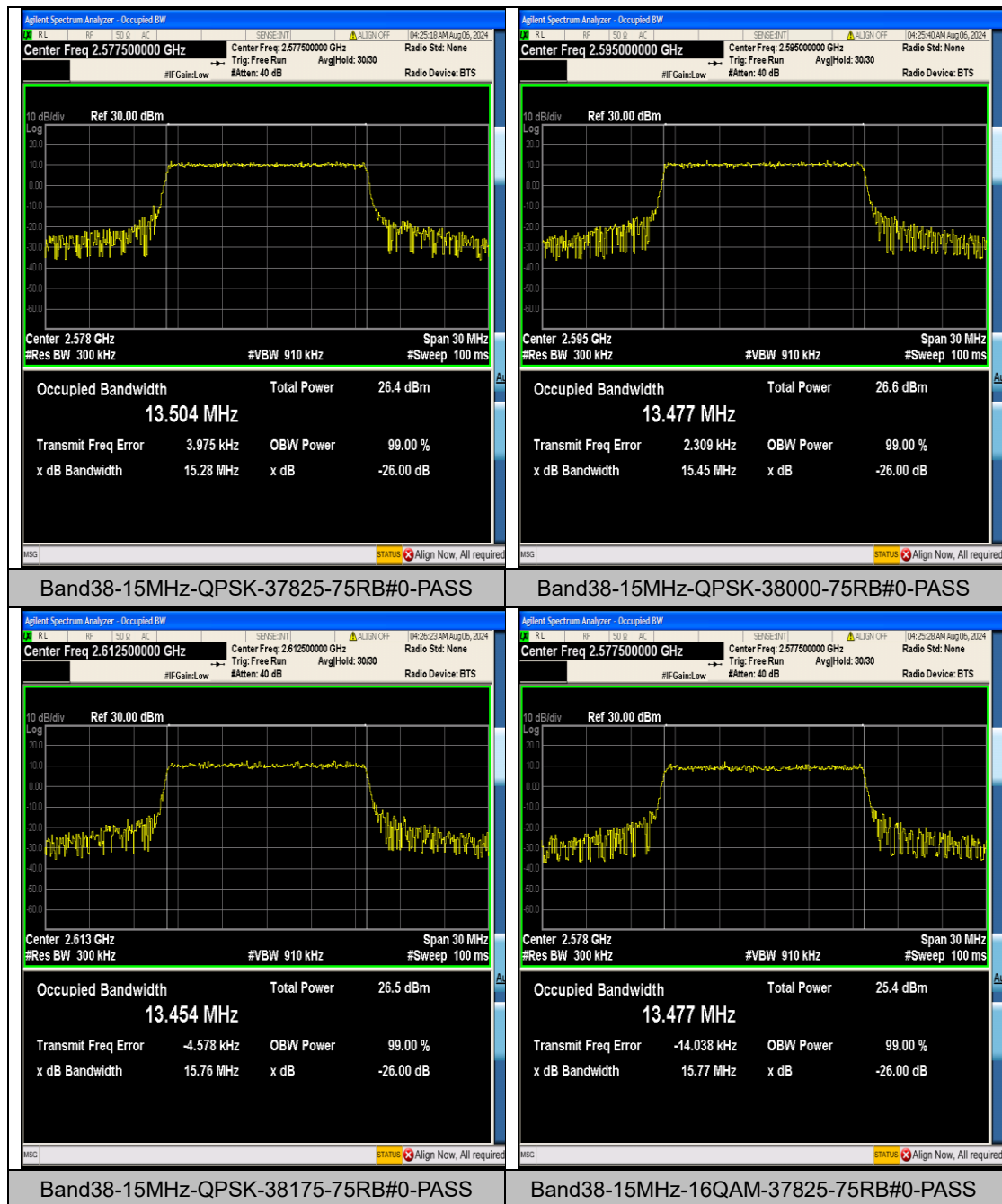
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5083	5.139	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5090	5.273	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5108	5.224	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5211	5.258	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5103	5.436	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5052	5.329	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0142	10.64	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0209	11.02	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9795	9.949	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9788	10.36	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9990	10.09	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9890	10.29	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.504	15.28	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.477	15.45	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.454	15.76	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.477	15.77	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.481	16.08	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.473	16.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.968	20.81	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.946	20.28	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.983	21.32	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.994	20.33	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.976	21.36	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.941	20.76	PASS

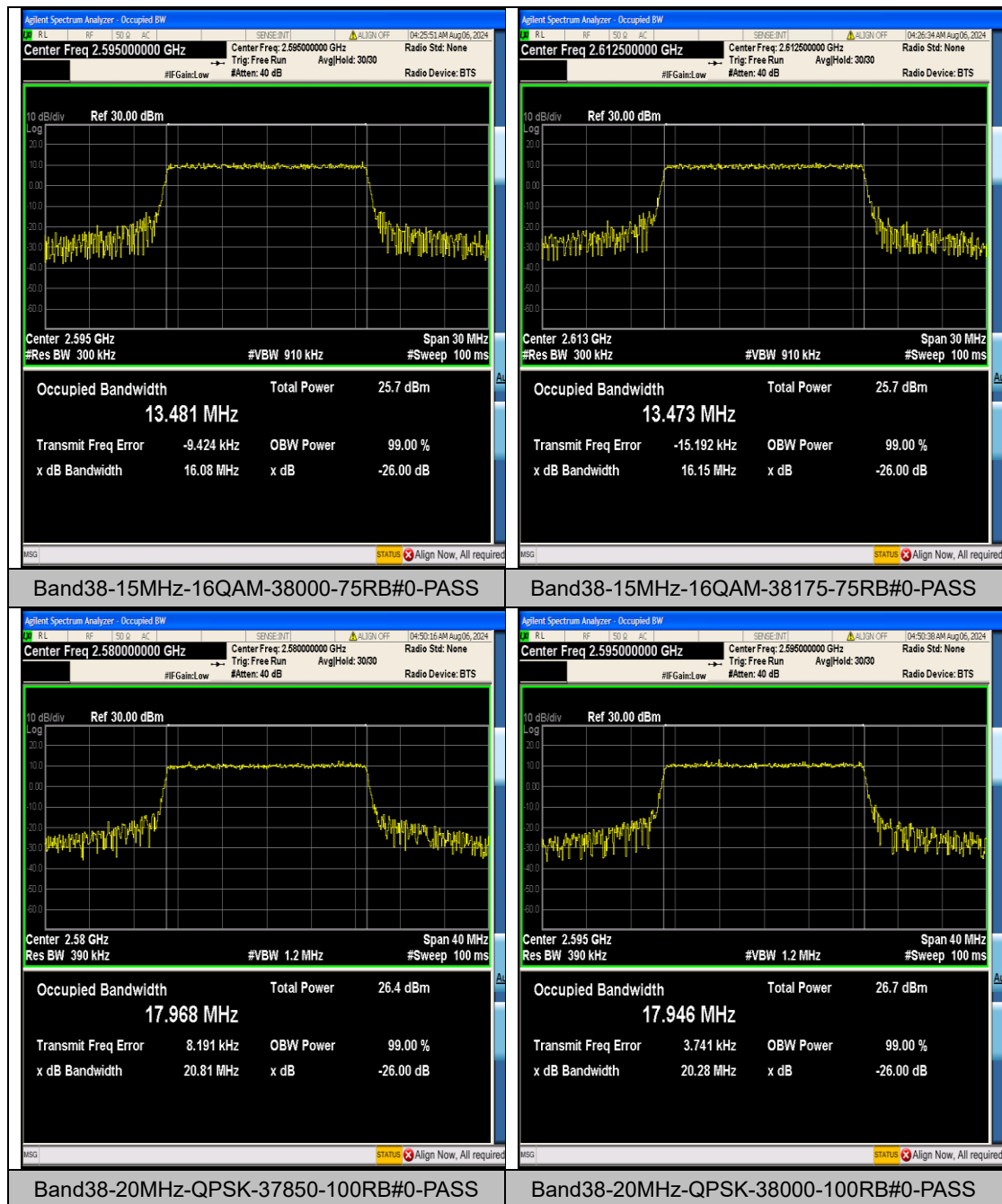
Test Graphs

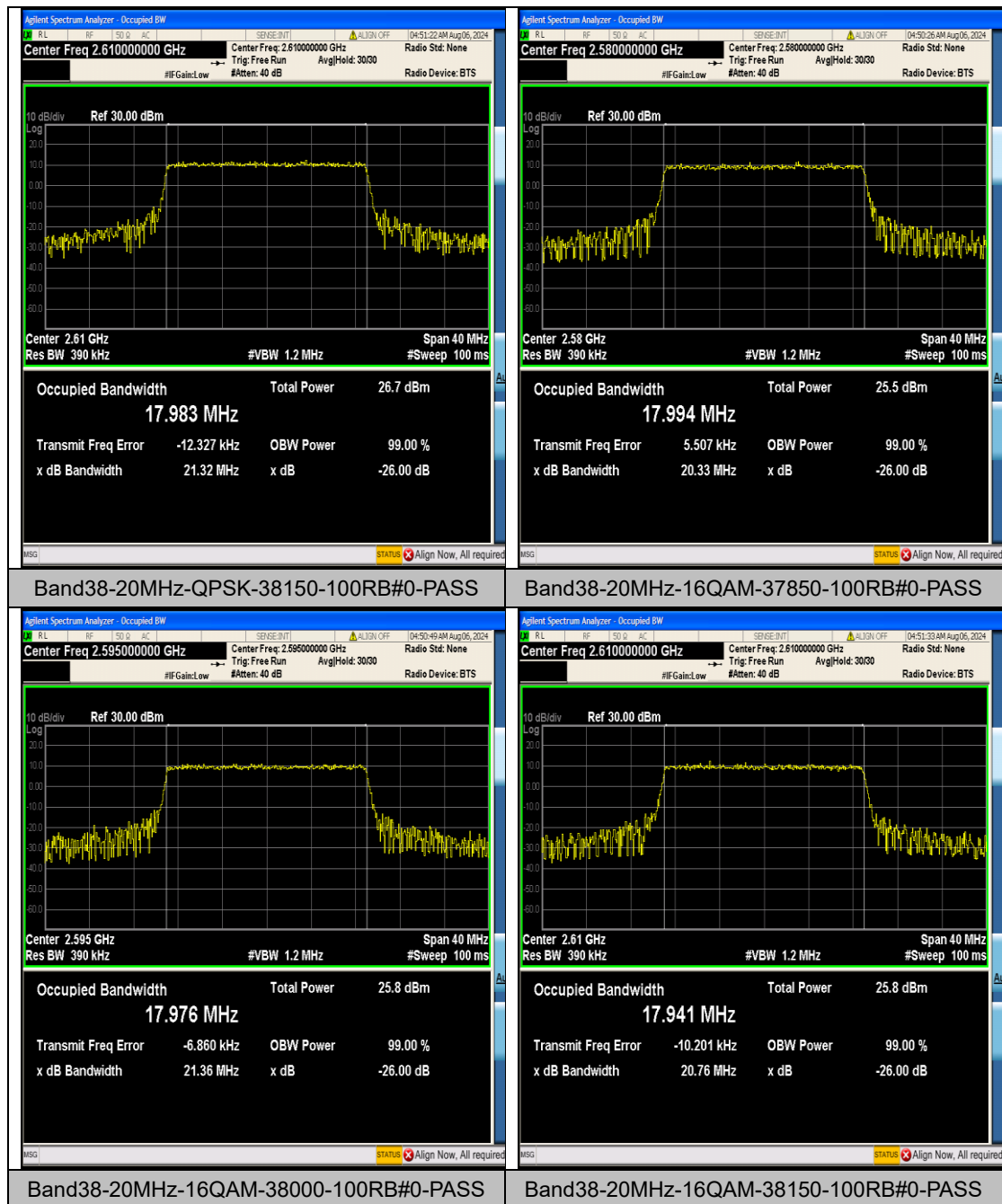












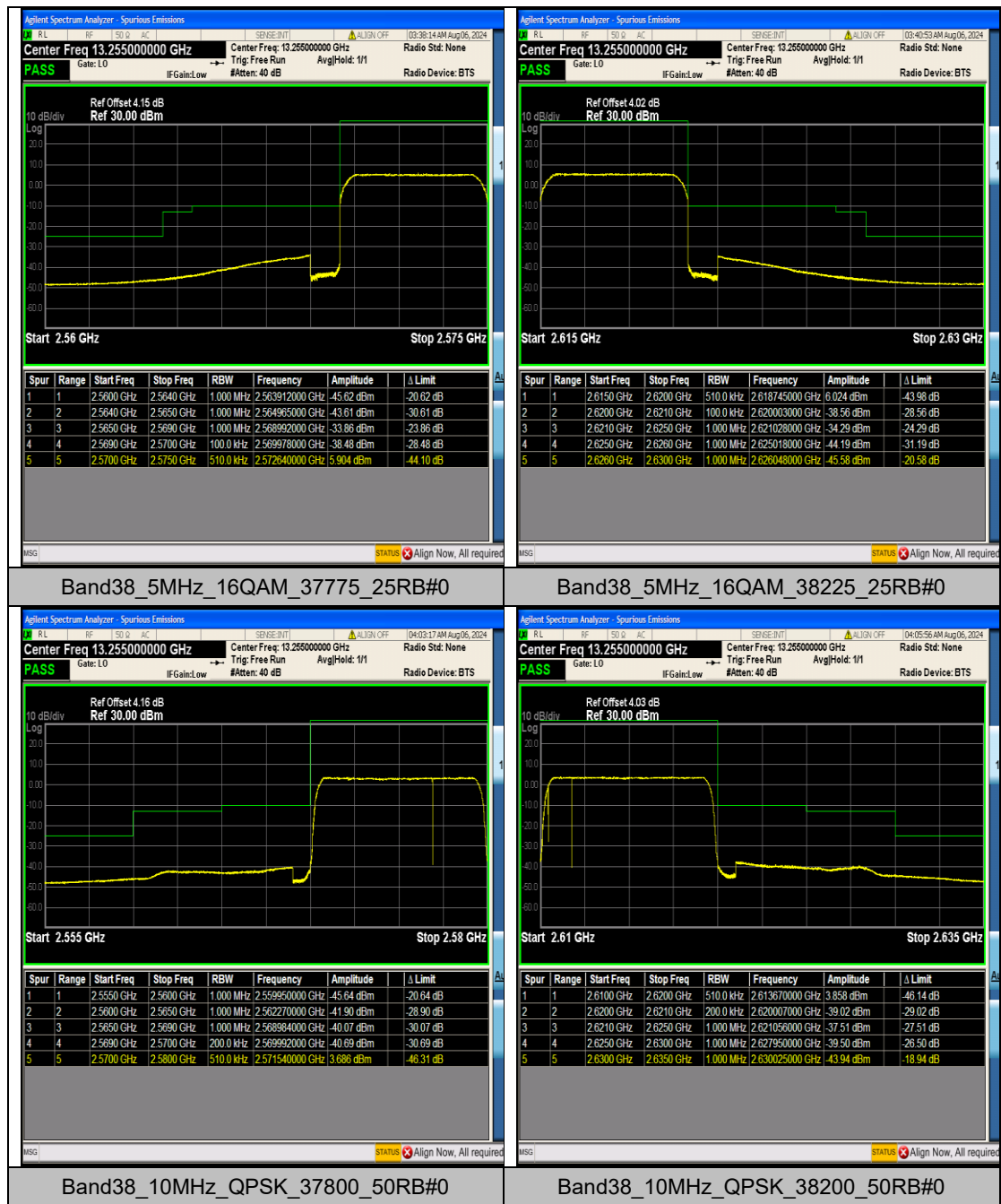
Appendix D: Band Edge

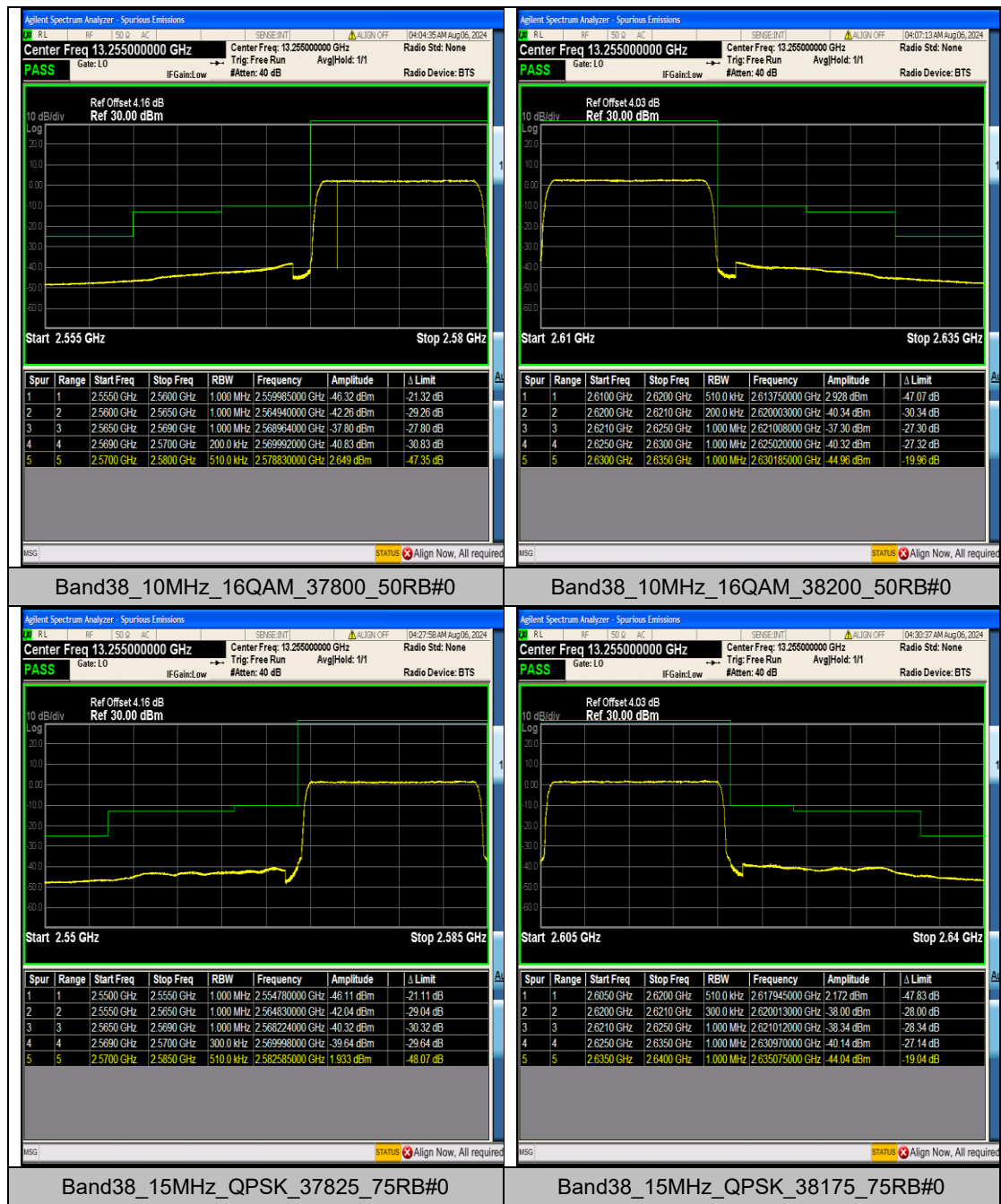
Test Result

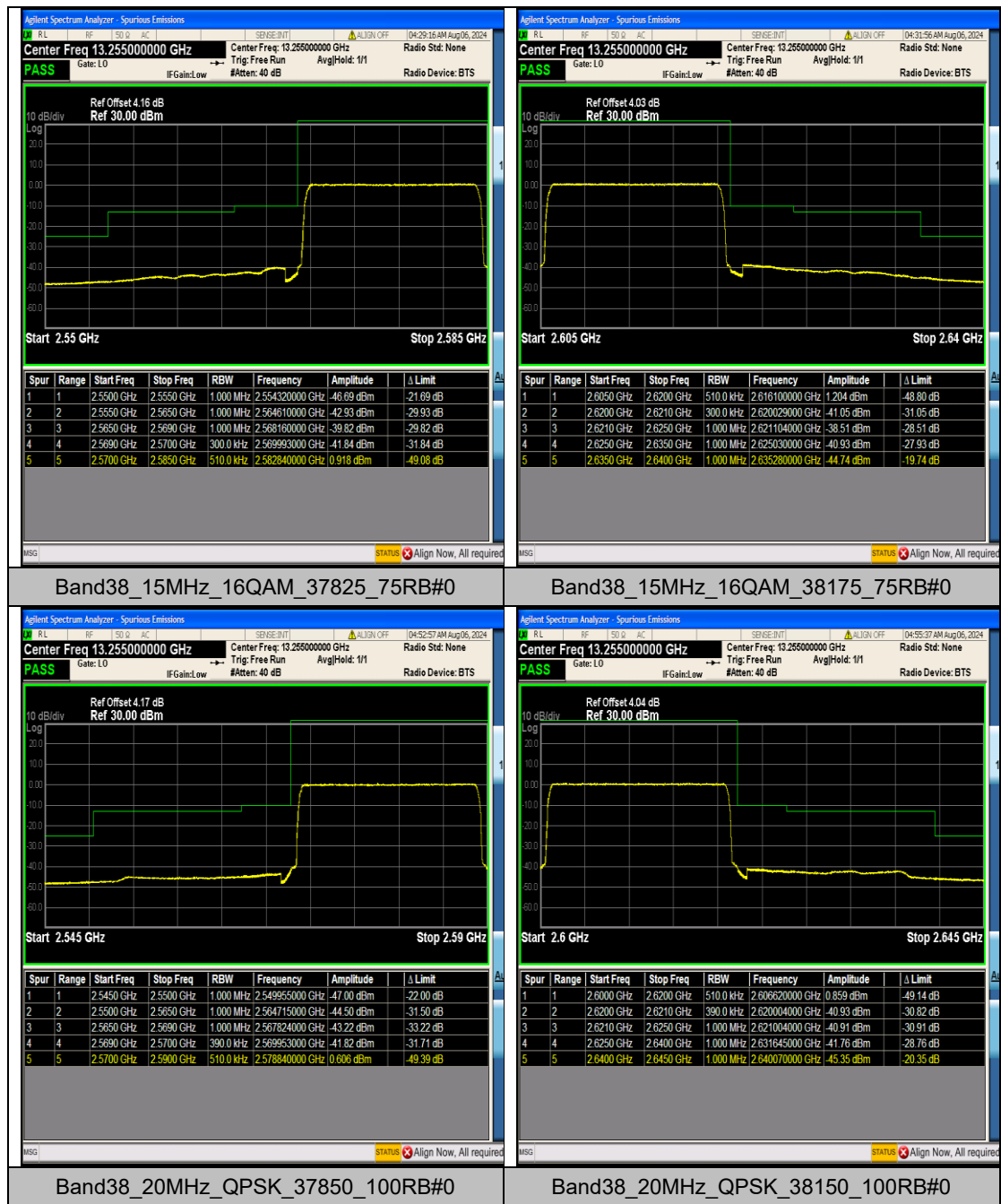
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-44.98	PASS
Band38	5MHz	QPSK	38225	25RB#0	-44.98	PASS
Band38	5MHz	16QAM	37775	25RB#0	-45.62	PASS
Band38	5MHz	16QAM	38225	25RB#0	-45.58	PASS
Band38	10MHz	QPSK	37800	50RB#0	-45.64	PASS
Band38	10MHz	QPSK	38200	50RB#0	-43.94	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.32	PASS
Band38	10MHz	16QAM	38200	50RB#0	-44.96	PASS
Band38	15MHz	QPSK	37825	75RB#0	-46.11	PASS
Band38	15MHz	QPSK	38175	75RB#0	-44.04	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.69	PASS
Band38	15MHz	16QAM	38175	75RB#0	-44.74	PASS
Band38	20MHz	QPSK	37850	100RB#0	-47.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	-45.35	PASS
Band38	20MHz	16QAM	37850	100RB#0	-47.61	PASS
Band38	20MHz	16QAM	38150	100RB#0	-45.96	PASS

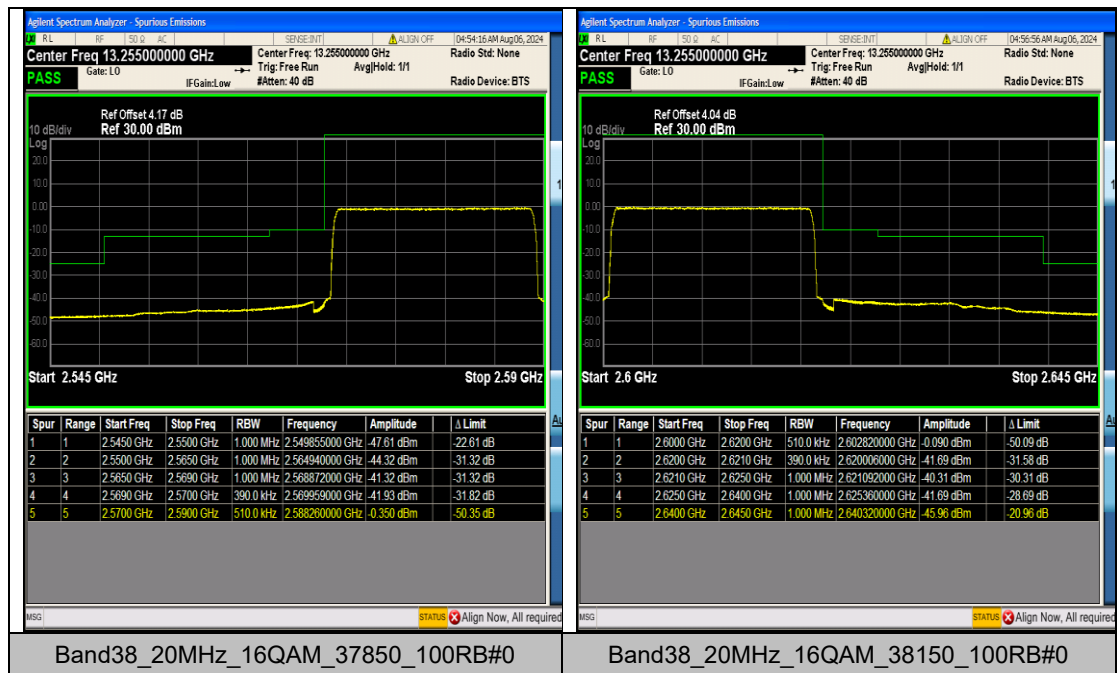
Test Graphs











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	-73.71	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-66.71	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.43	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-46.22	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.59	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-71.67	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-70.09	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.67	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-46.21	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-39.65	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-74.84	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-67.26	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.82	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-45.27	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-39.63	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-75.05	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-68.02	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.45	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-46.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-39.74	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-72.01	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-67.12	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.87	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-46.24	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-39.69	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-73.49	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-66.22	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.61	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-45.73	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-39.64	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-73.53	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-64.36	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.63	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-46.46	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.57	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-72.08	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-65.86	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.81	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-46.06	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.58	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-72.87	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-66.14	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.60	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-46.17	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-39.51	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-73.53	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-67.18	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-66.63	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-46.07	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-39.68	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-72.73	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-65.27	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.84	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-46.31	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.38	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-74.91	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-66.97	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.83	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-46.12	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-39.59	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-73.28	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-68.91	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.49	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-46.14	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-39.25	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-73.27	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-68.93	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-65.97	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-46.20	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-39.74	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-74.86	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-69.59	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.48	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-46.10	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-39.58	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-72.39	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-67.45	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.37	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-46.09	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-39.53	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-75.59	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-66.39	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-66.65	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-46.02	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-39.78	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-74.58	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-65.33	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.62	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-46.21	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-39.77	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-74.51	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-67.54	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-66.77	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-46.19	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.56	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-74.97	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-68.47	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.39	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-45.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.52	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-74.27	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-65.25	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.48	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-45.50	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-39.76	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-72.33	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-66.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.53	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-46.15	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-39.73	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-73.85	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-66.75	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.69	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-45.93	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-39.98	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-73.28	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-69.83	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.70	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-46.04	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-39.57	PASS

Test Graphs

