

FCC LTE Band Test Data

FCC ID : 2BKLE-ORION

Company: : Versa World Inc.

EUT : Body Worn Camera

Model Number : Orion

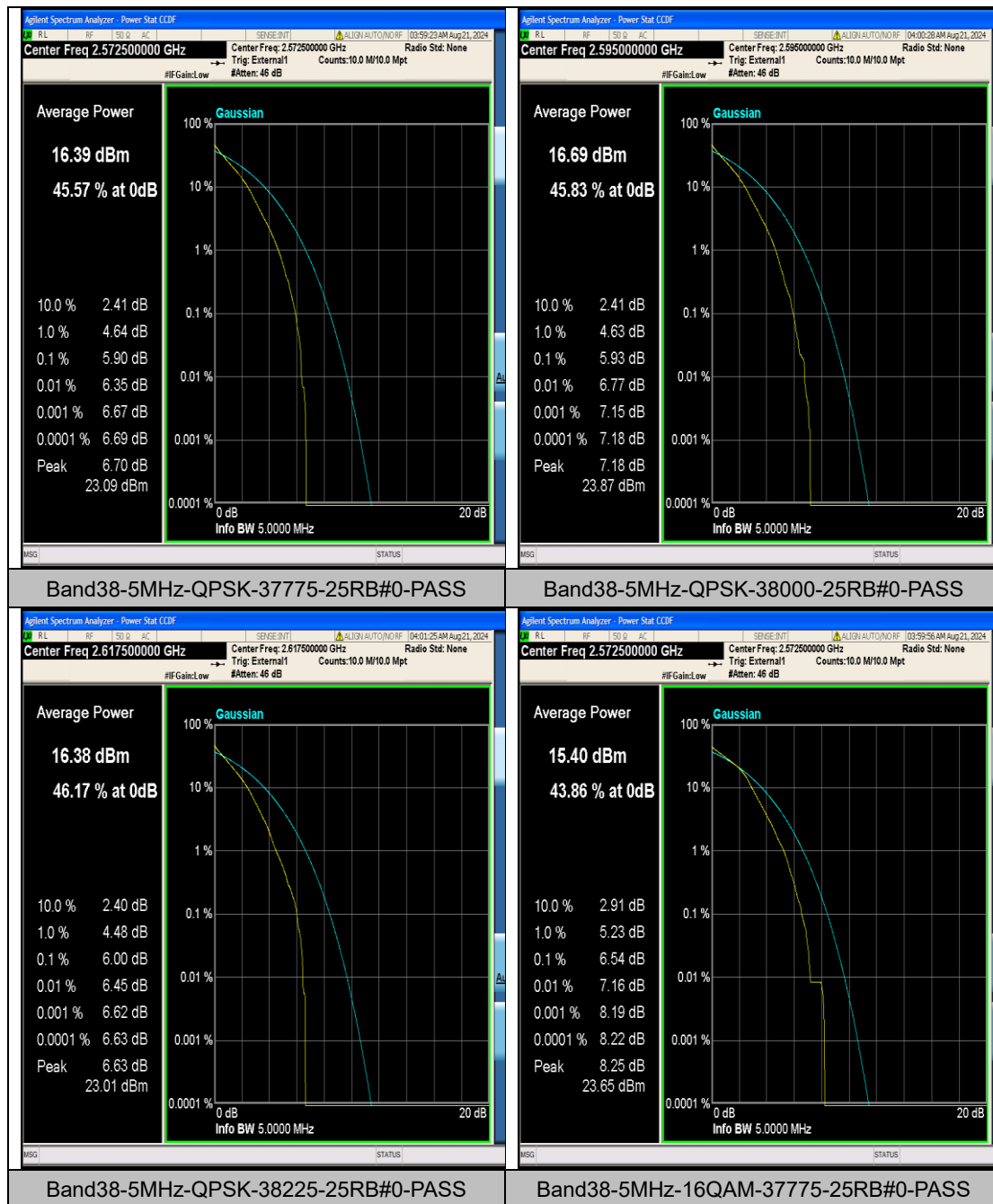
Reviewed By : Eric Wang

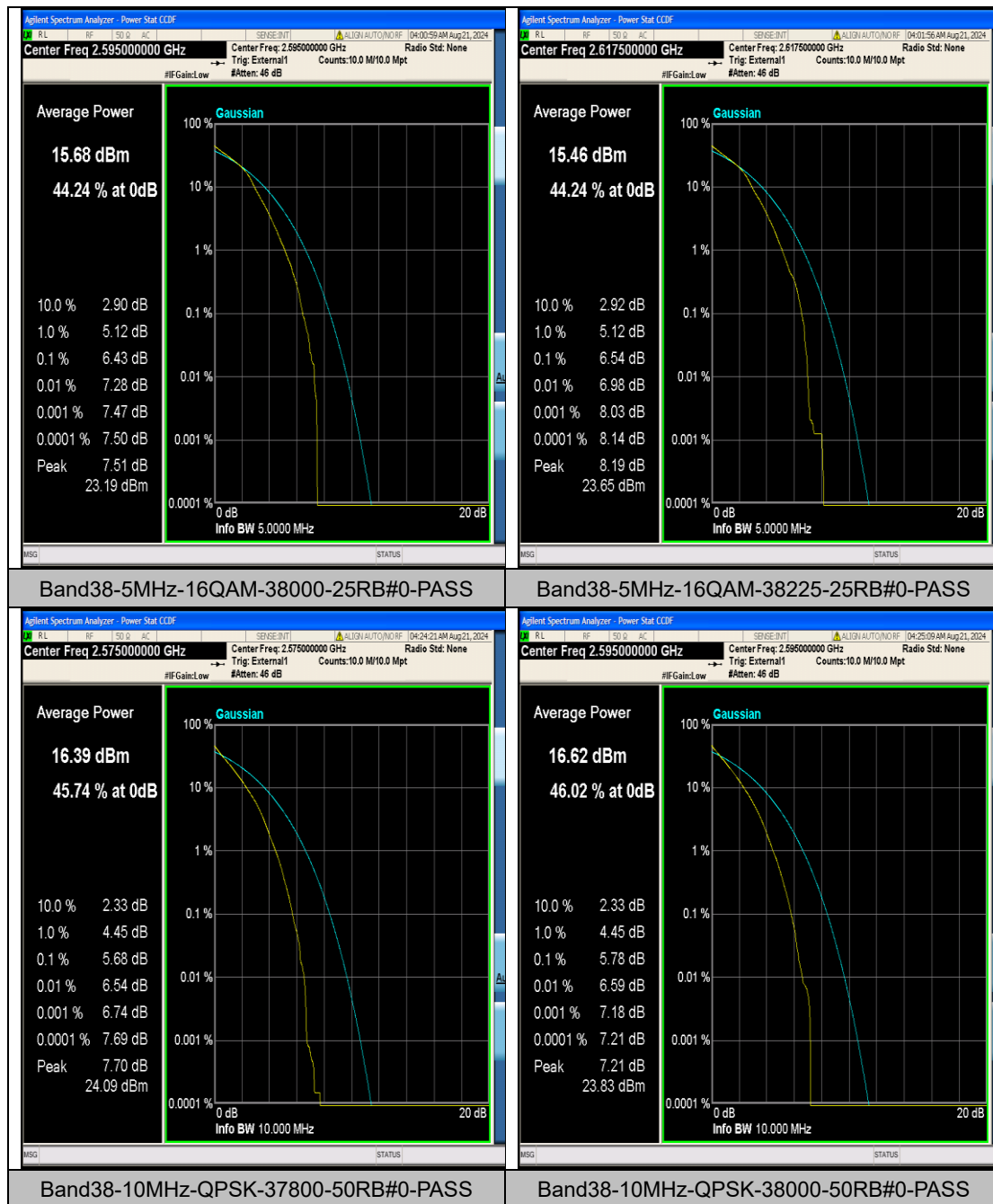
Appendix B: Peak-to-Average Ratio(CCDF)

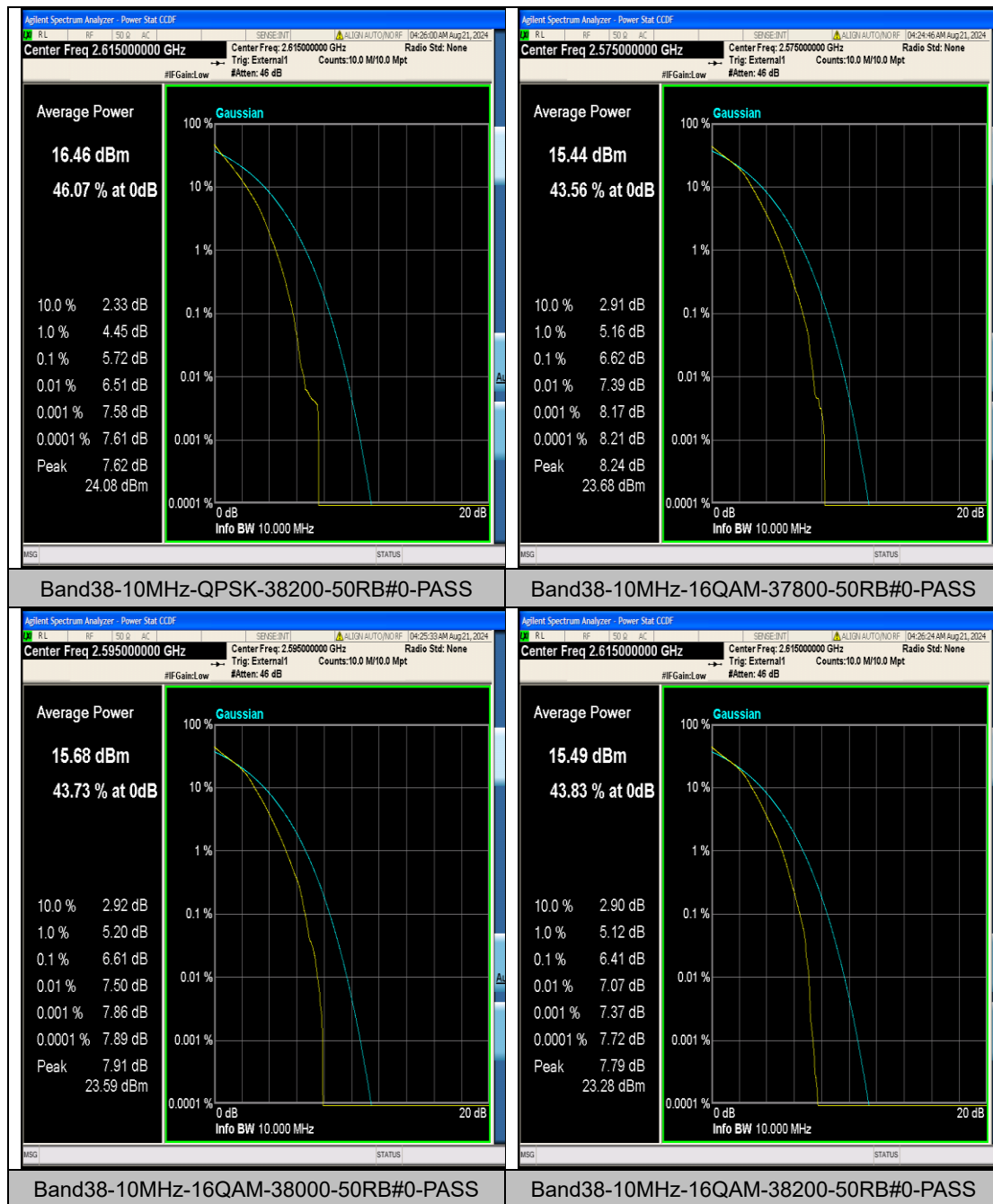
Test Result

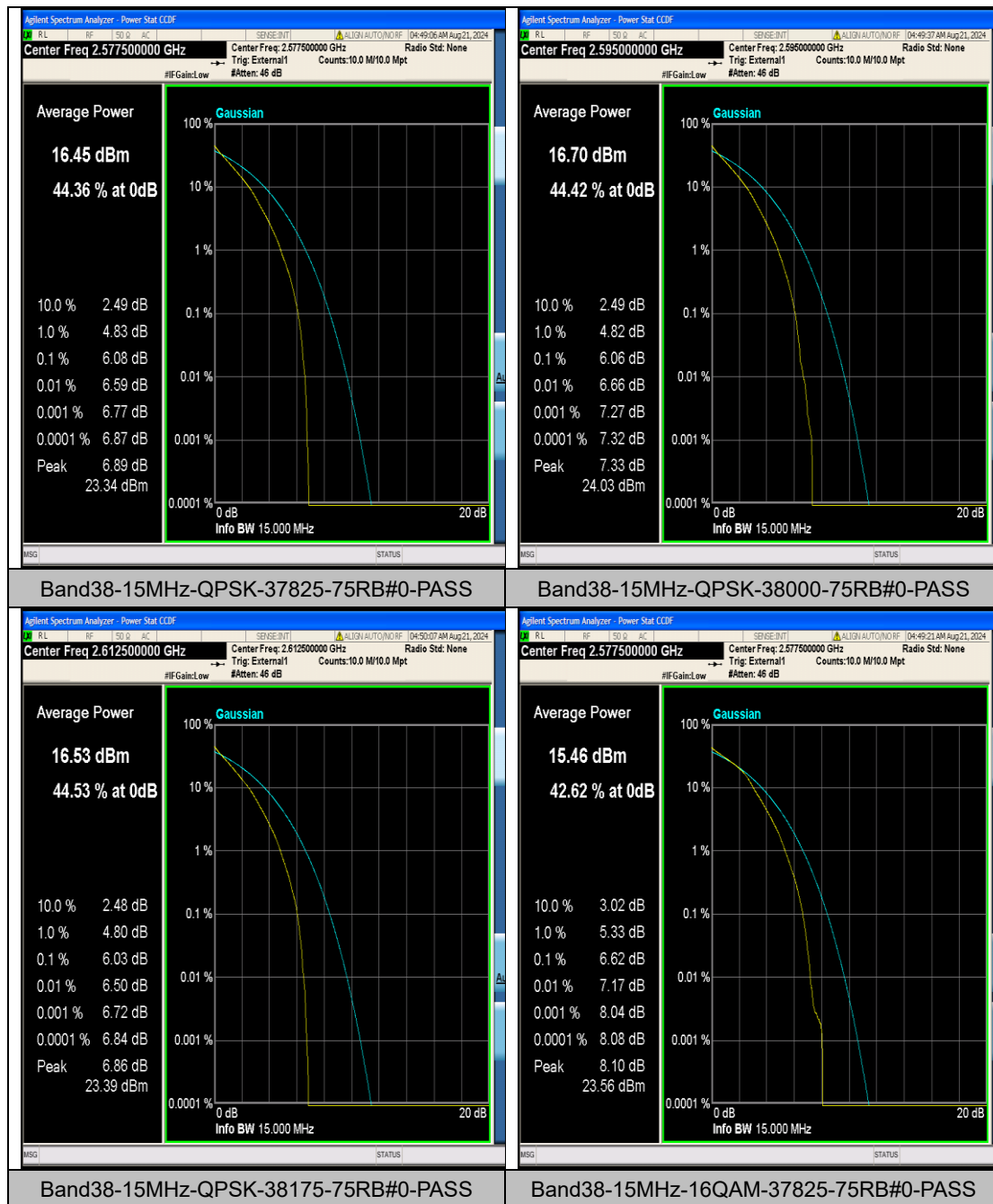
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.90	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.93	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.00	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.54	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.43	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.54	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.68	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.78	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.72	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.62	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.61	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.41	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.08	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.06	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.03	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.62	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.57	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.59	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.66	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.75	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.65	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.52	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.58	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.43	13	PASS

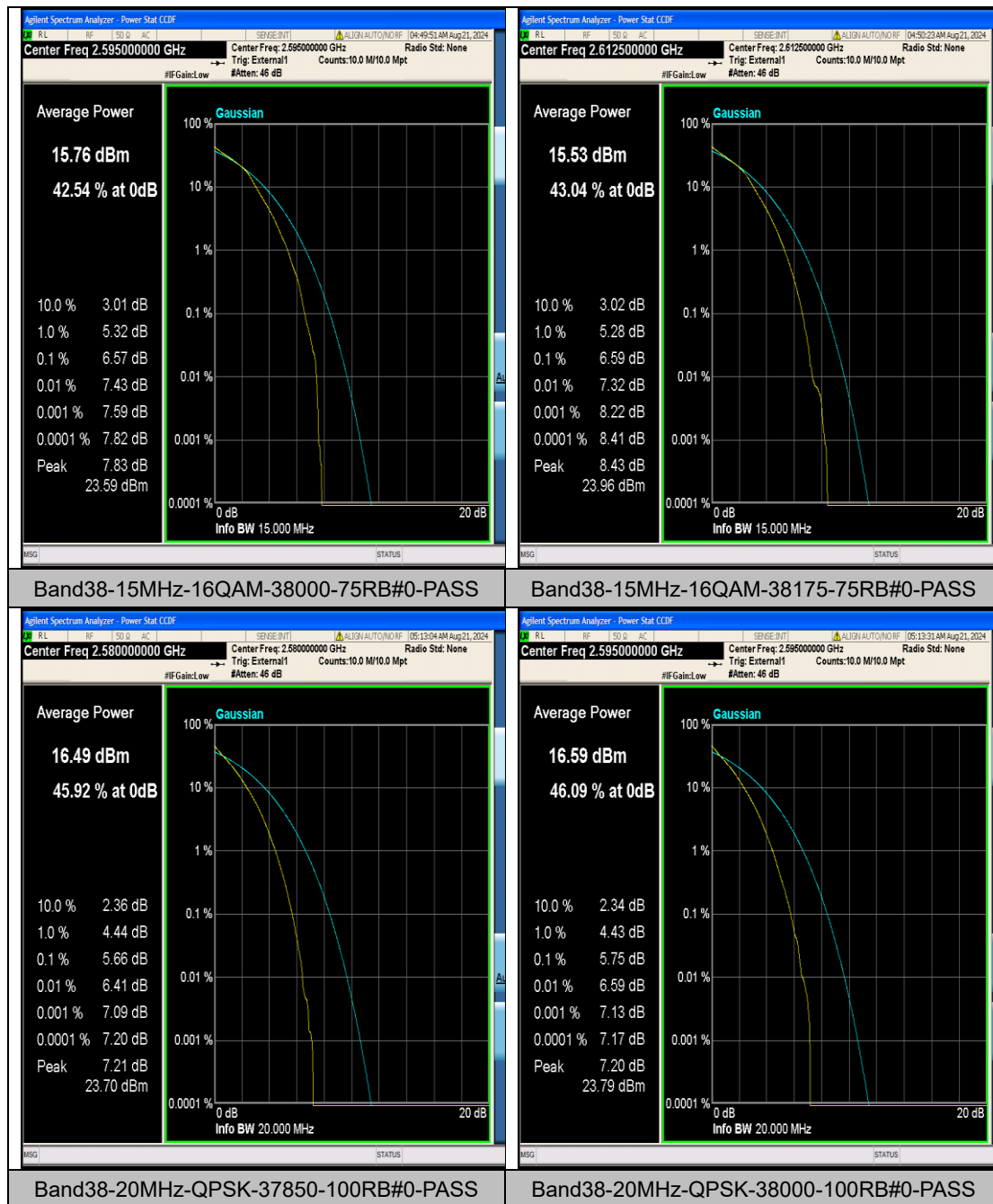
Test Graphs

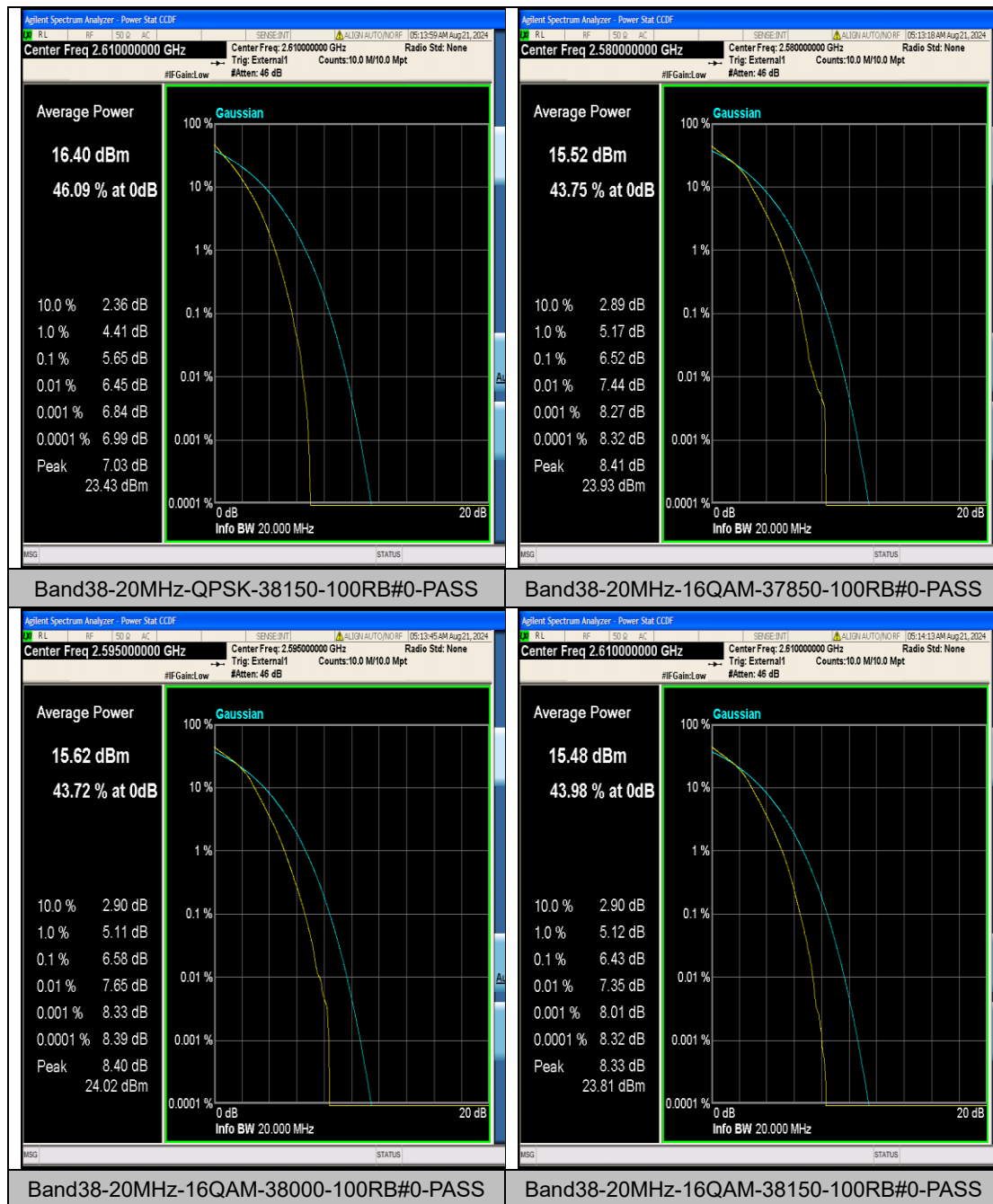










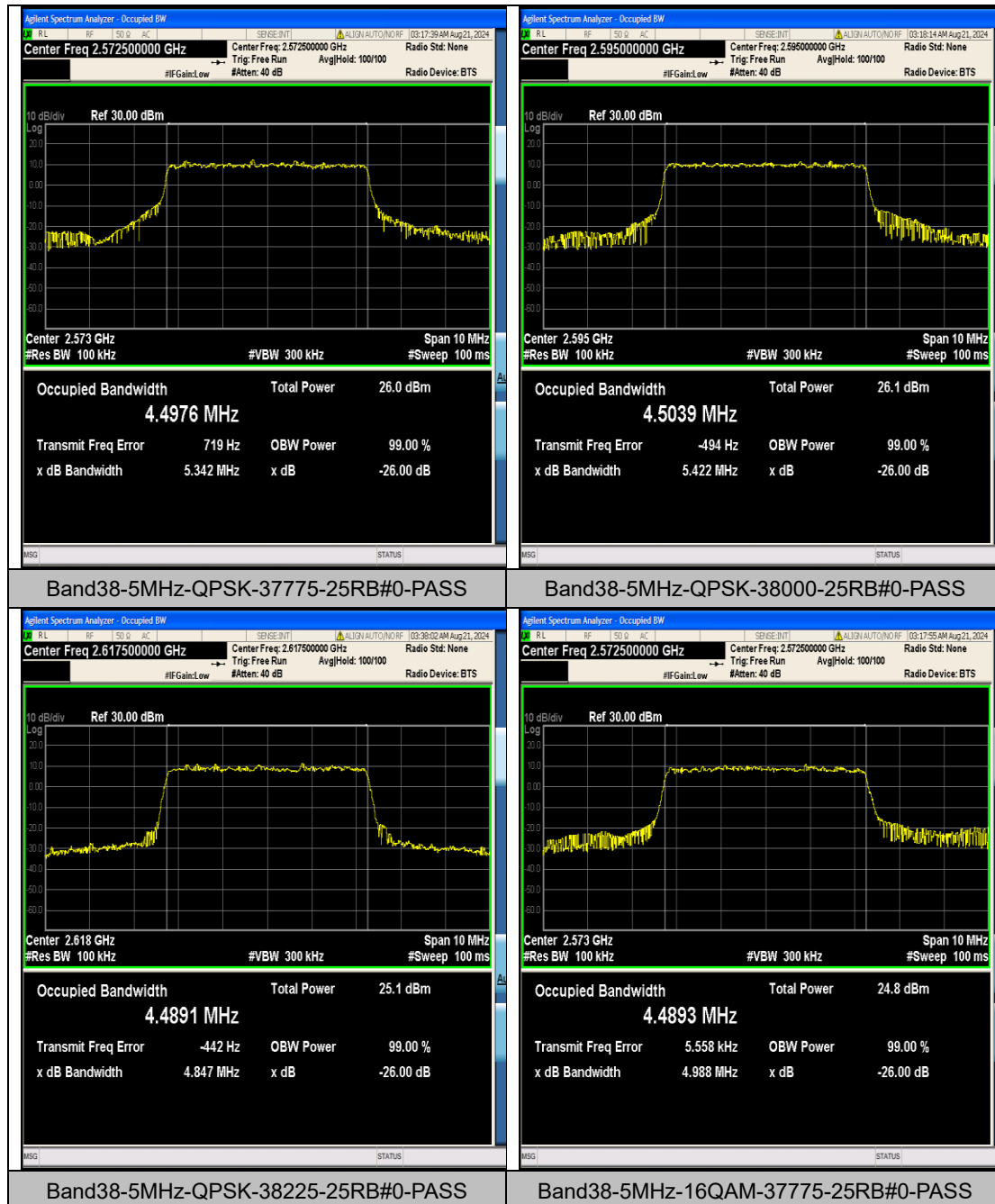


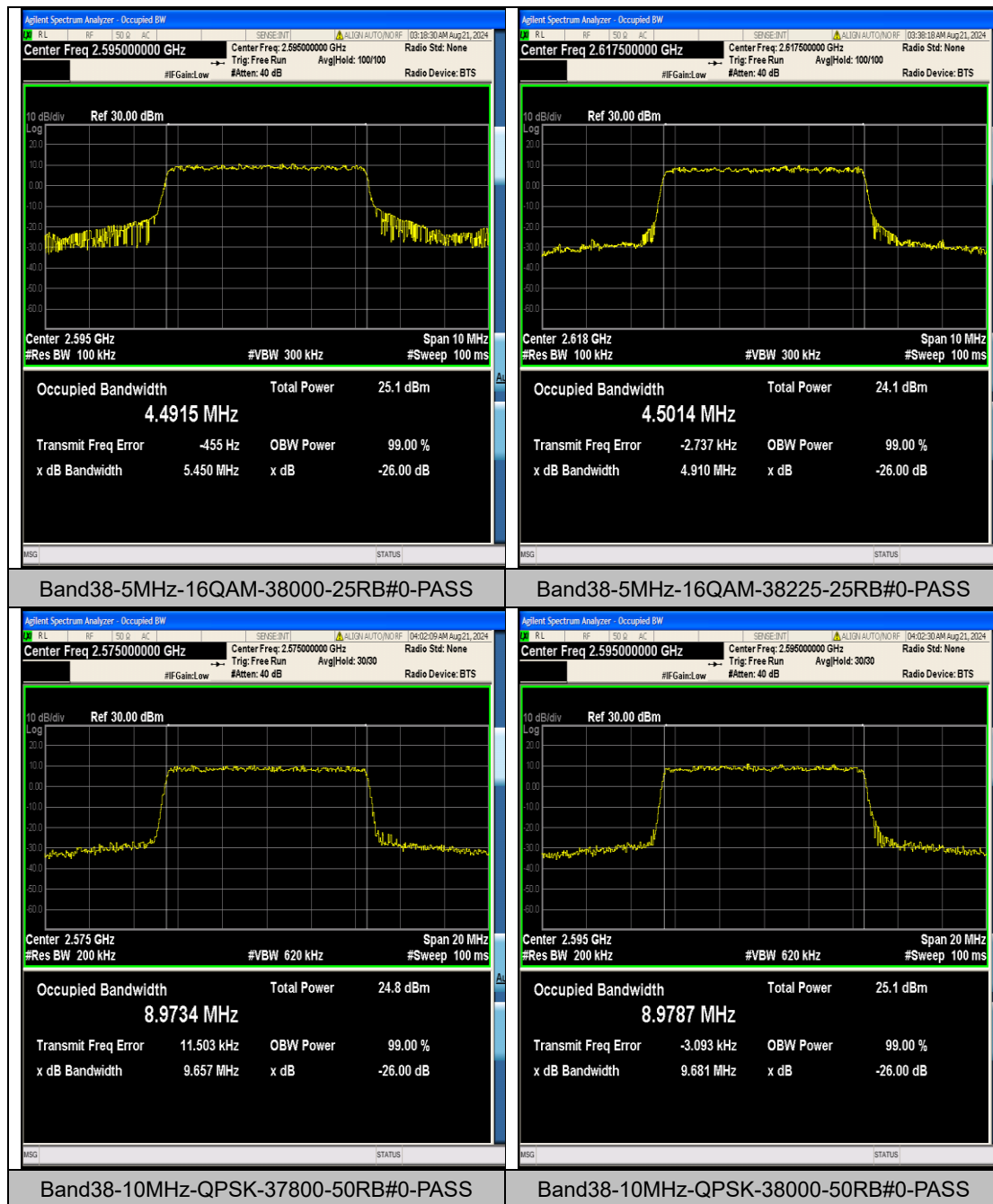
Appendix C: 26dB Bandwidth and Occupied Bandwidth

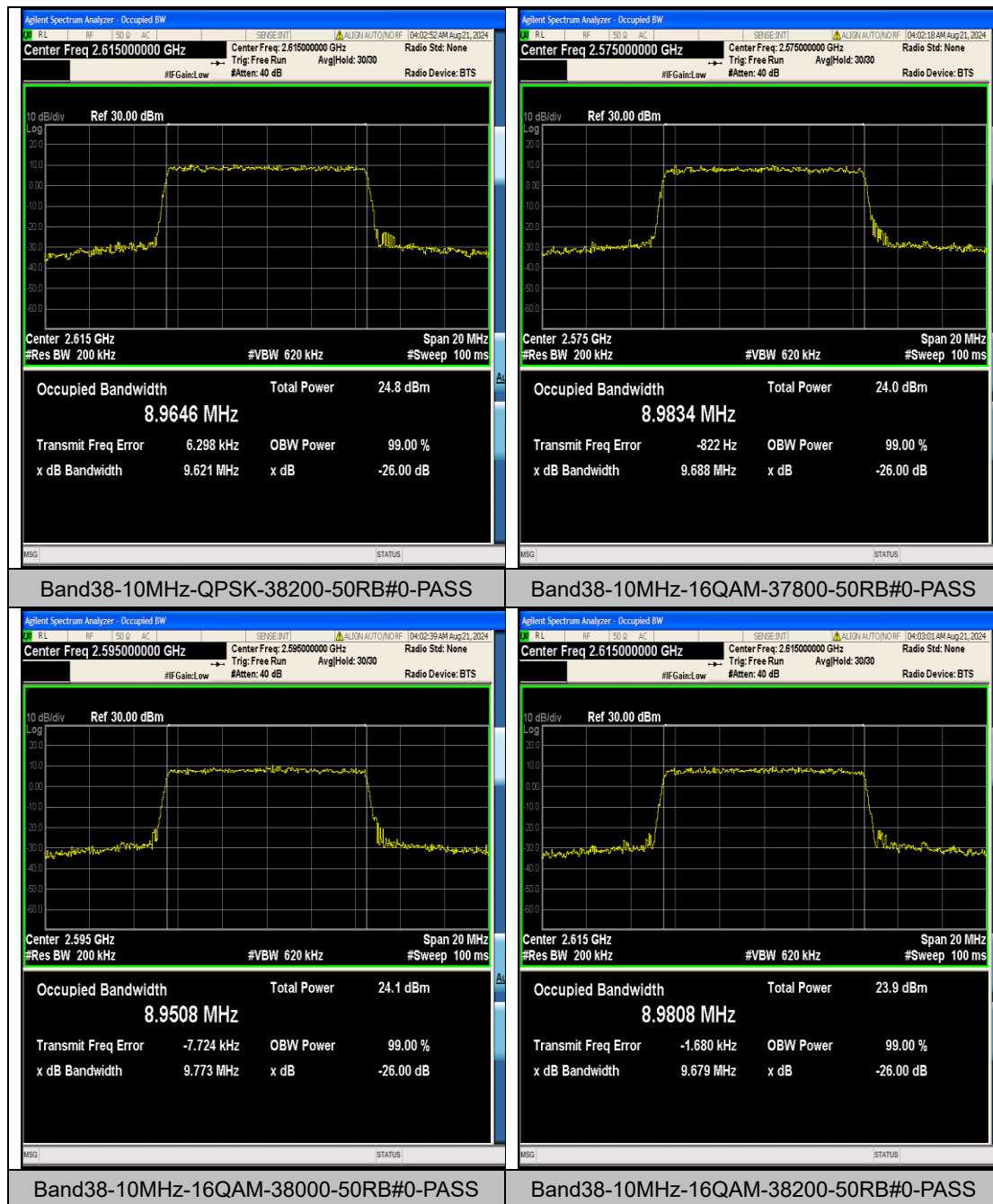
Test Result

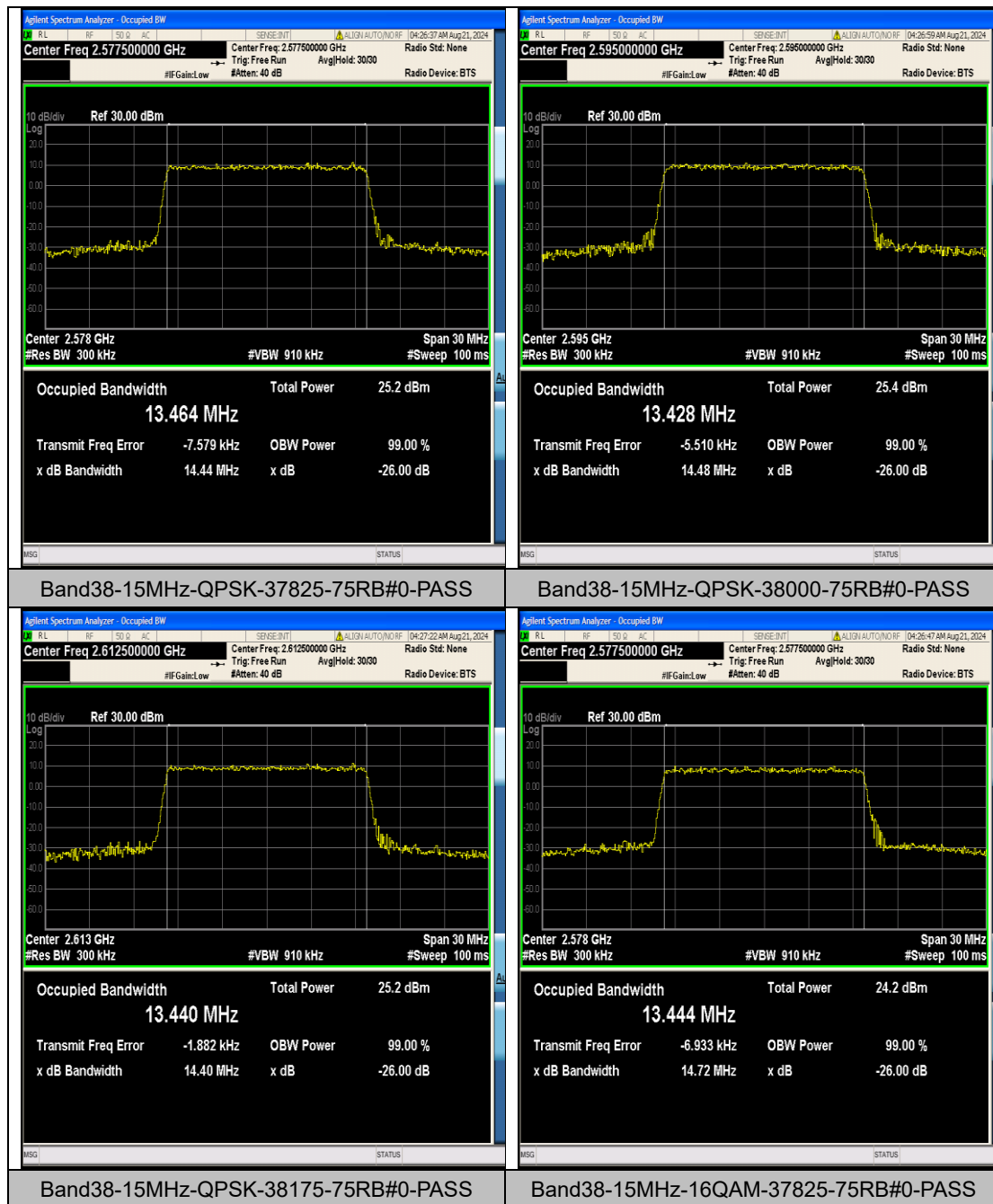
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4976	5.342	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5039	5.422	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4891	4.847	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4893	4.988	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4915	5.450	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5014	4.910	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9734	9.657	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9787	9.681	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9646	9.621	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9834	9.688	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9508	9.773	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9808	9.679	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.464	14.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.428	14.48	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.440	14.40	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.444	14.72	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.462	14.54	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.454	14.57	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.944	19.44	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.932	19.49	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.944	19.47	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.922	19.52	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.888	19.45	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.880	19.56	PASS

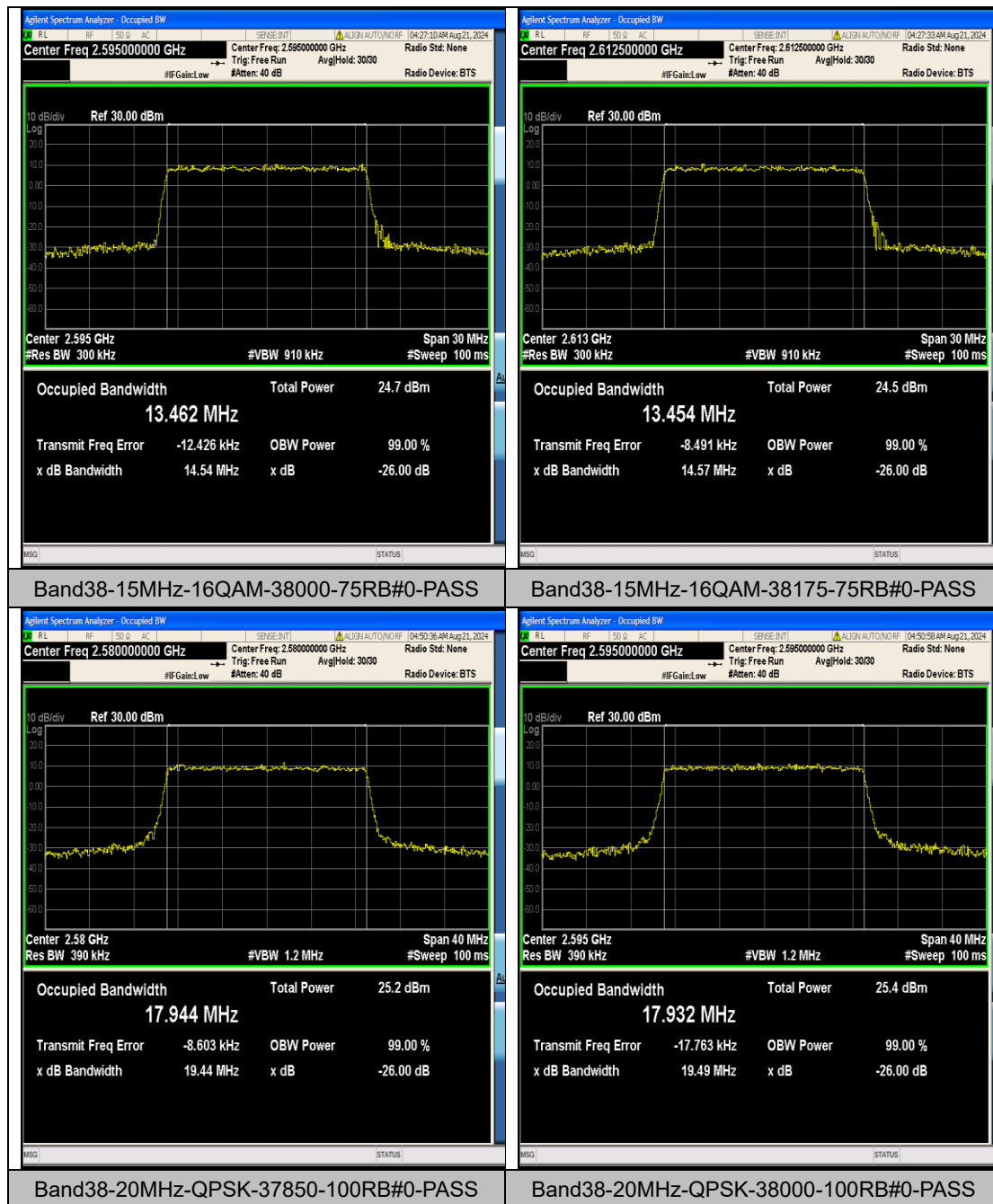
Test Graphs

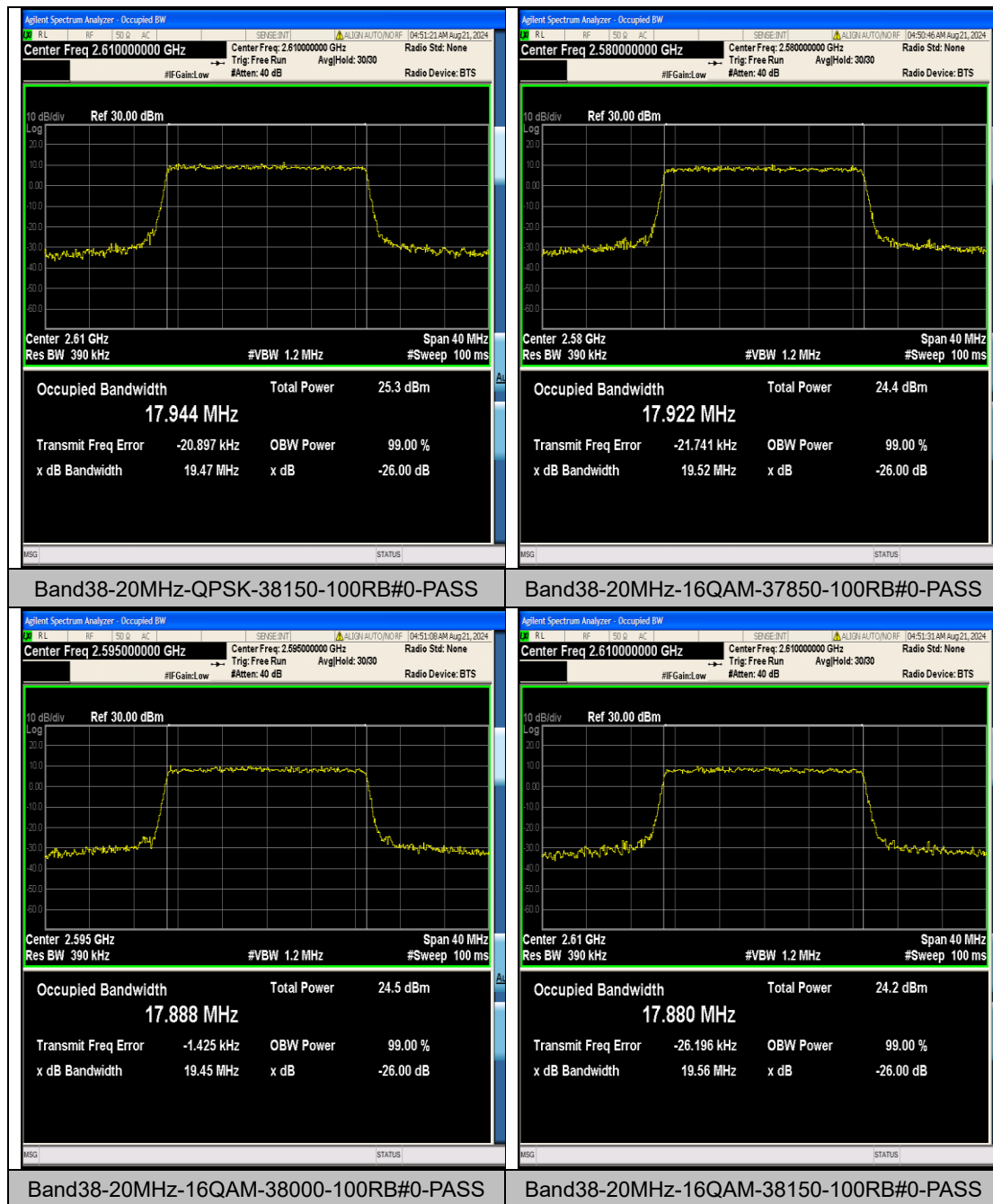












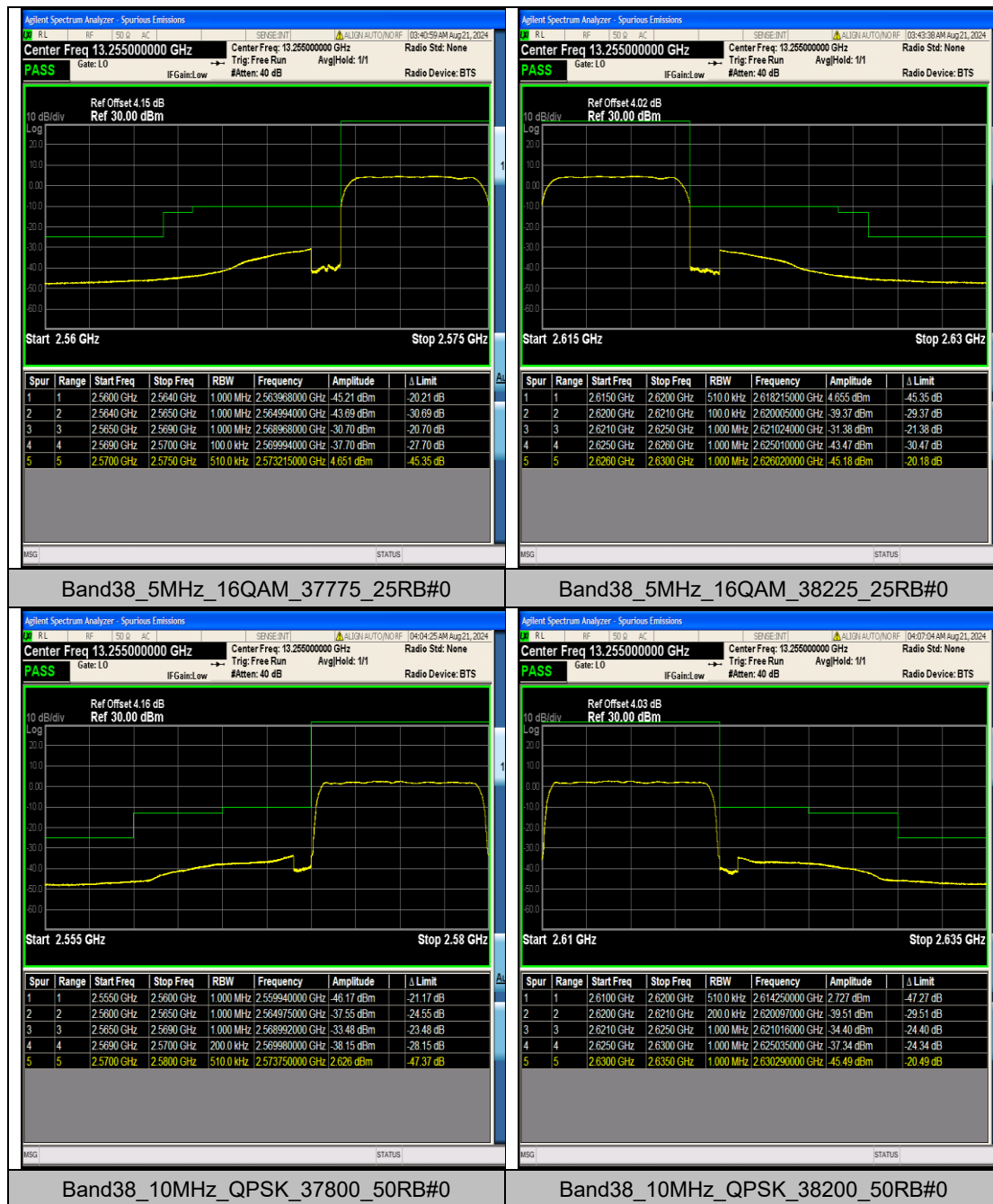
Appendix D: Band Edge

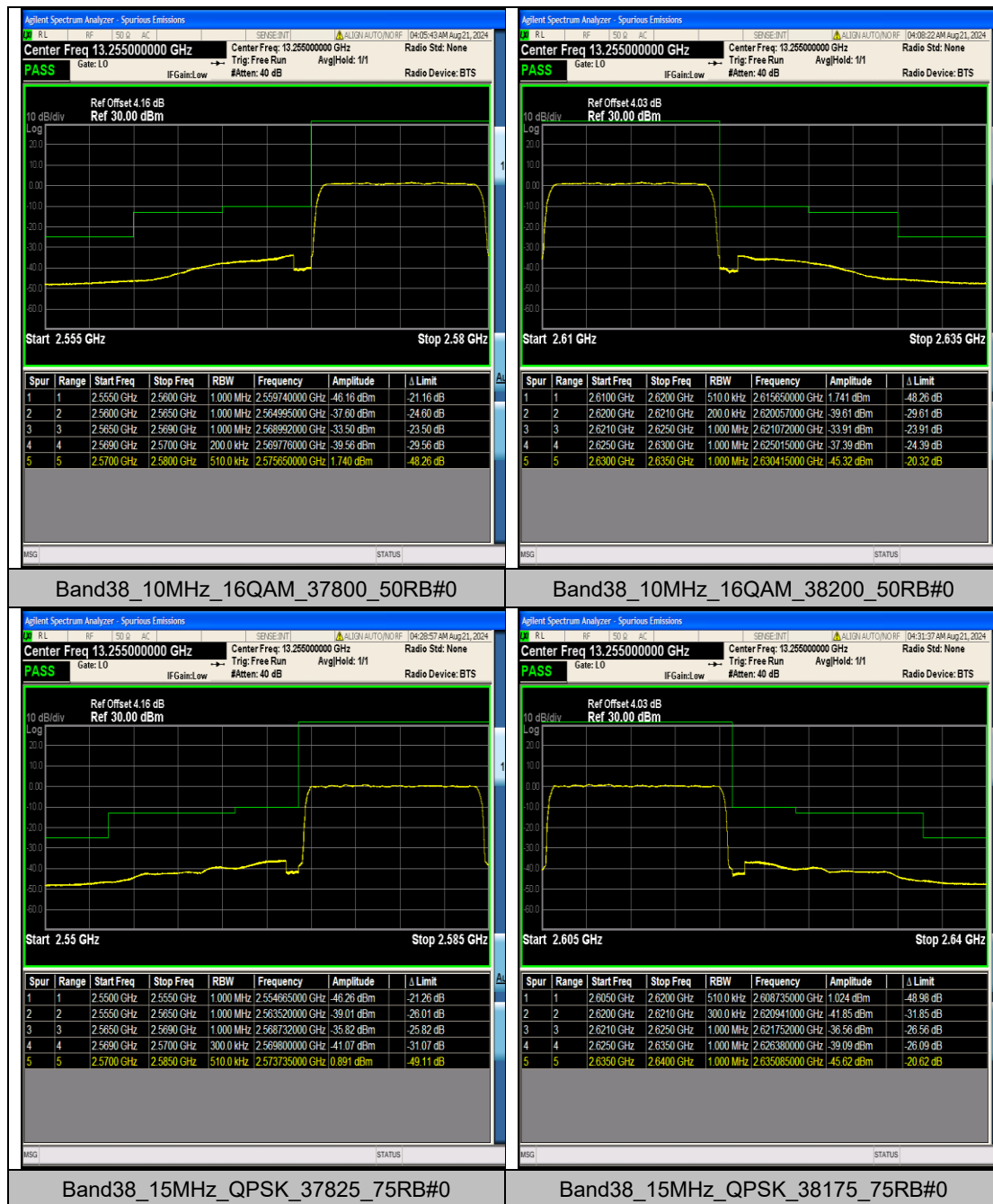
Test Result

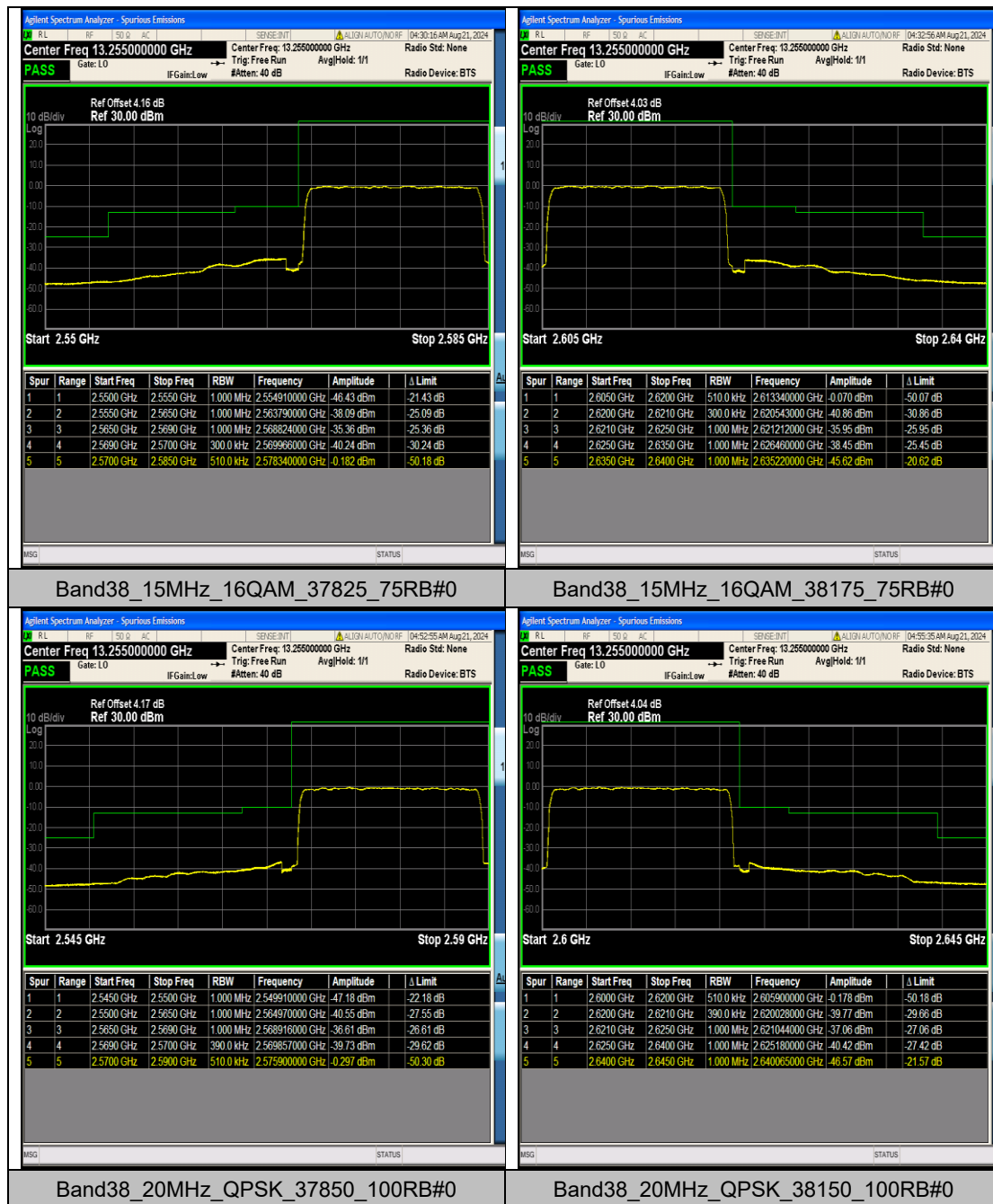
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-45.20	PASS
Band38	5MHz	QPSK	38225	25RB#0	-45.05	PASS
Band38	5MHz	16QAM	37775	25RB#0	-45.21	PASS
Band38	5MHz	16QAM	38225	25RB#0	-45.18	PASS
Band38	10MHz	QPSK	37800	50RB#0	-46.17	PASS
Band38	10MHz	QPSK	38200	50RB#0	-45.49	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.16	PASS
Band38	10MHz	16QAM	38200	50RB#0	-45.32	PASS
Band38	15MHz	QPSK	37825	75RB#0	-46.26	PASS
Band38	15MHz	QPSK	38175	75RB#0	-45.62	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.43	PASS
Band38	15MHz	16QAM	38175	75RB#0	-45.62	PASS
Band38	20MHz	QPSK	37850	100RB#0	-47.18	PASS
Band38	20MHz	QPSK	38150	100RB#0	-46.57	PASS
Band38	20MHz	16QAM	37850	100RB#0	-47.02	PASS
Band38	20MHz	16QAM	38150	100RB#0	-46.42	PASS

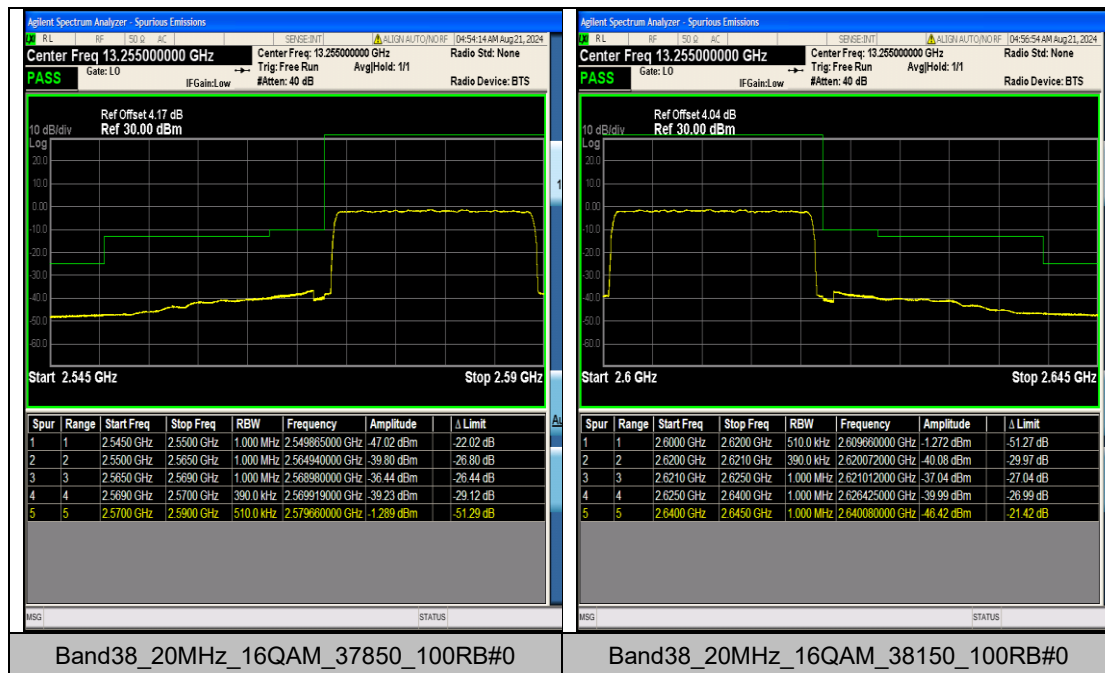
Test Graphs











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	-72.79	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-66.15	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.63	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-46.07	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.38	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-72.19	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-67.43	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.89	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-45.48	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-39.20	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-72.62	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-64.15	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.70	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-45.86	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-39.41	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-74.06	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-65.69	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.85	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-45.72	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-39.19	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-73.83	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-65.36	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.67	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-45.86	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-39.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-74.38	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-67.44	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.59	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-45.82	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-39.17	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-71.90	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-63.86	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.85	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-45.58	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-73.16	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-66.66	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.69	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-45.87	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.14	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-72.19	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-66.59	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.50	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-45.62	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-39.07	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-73.92	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-68.42	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-66.85	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-45.89	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-39.32	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-74.39	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-68.93	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.68	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-45.61	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.21	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-73.65	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-63.29	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.69	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-45.73	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-39.12	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-73.97	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-68.52	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.88	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-45.03	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-39.18	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-74.64	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-67.12	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-66.66	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-45.90	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-39.16	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-75.27	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-66.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.87	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-45.80	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-39.19	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-73.86	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-64.66	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.16	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-44.78	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-39.27	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-71.18	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-65.84	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-66.58	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-45.77	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-39.30	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-73.88	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-66.59	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.66	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-45.93	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-39.18	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-72.70	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-66.86	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-66.56	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-45.80	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.10	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-74.28	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-65.94	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.49	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-45.55	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.04	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-75.36	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-65.02	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.76	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-45.37	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-38.96	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-72.55	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-63.15	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.58	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-45.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-39.04	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-73.01	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-65.62	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.35	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-45.75	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-39.20	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-73.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-68.07	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.81	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-45.61	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-38.89	PASS

Test Graphs

