

FCC LTE Band Test Data

FCC ID : 2BKLE-ARIES

Company: : Versa World Inc.

EUT : POC/IP Two Way Radio

Model Number : G232

Reviewed By : Eric Wang

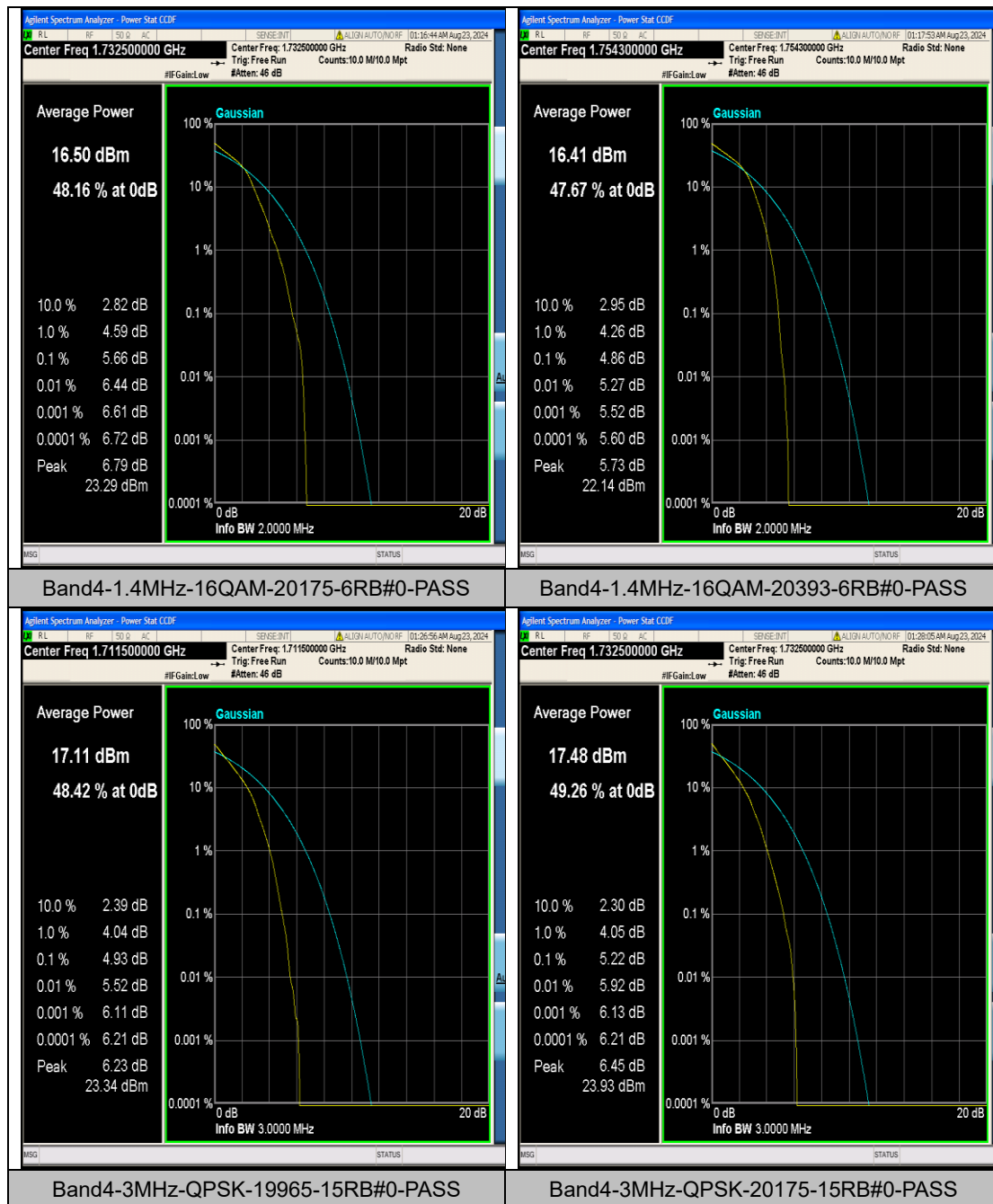
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

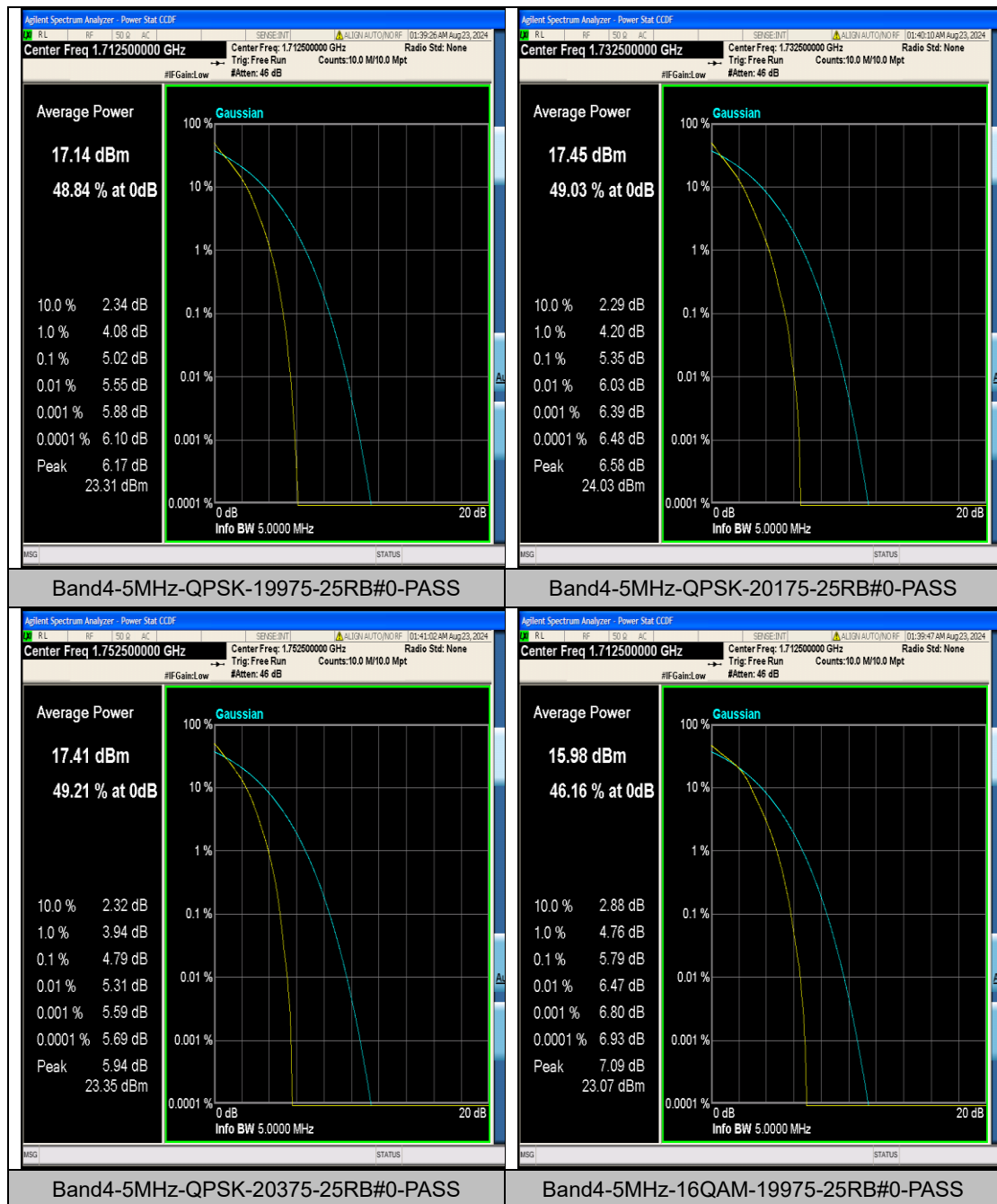
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.38	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.89	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.07	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.24	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.66	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.86	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.93	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.22	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.78	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.80	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.97	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.46	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.02	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.35	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.79	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.79	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.94	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.48	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.19	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.34	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.94	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.95	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.97	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.66	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.57	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.56	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.10	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.12	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.08	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.74	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.39	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.24	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.04	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.11	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.99	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.77	13	PASS

Test Graphs



















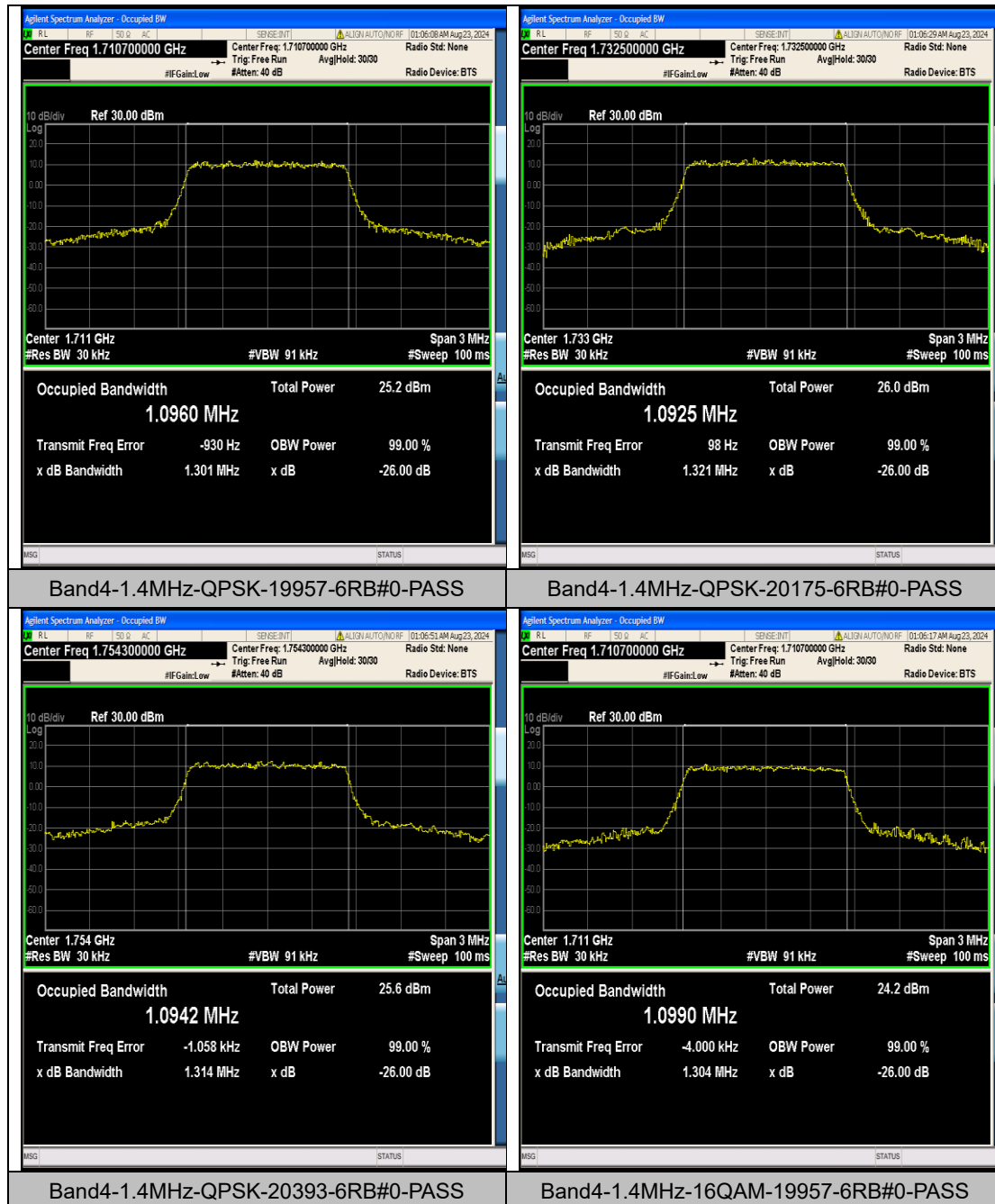
Appendix C: 26dB Bandwidth and Occupied Bandwidth

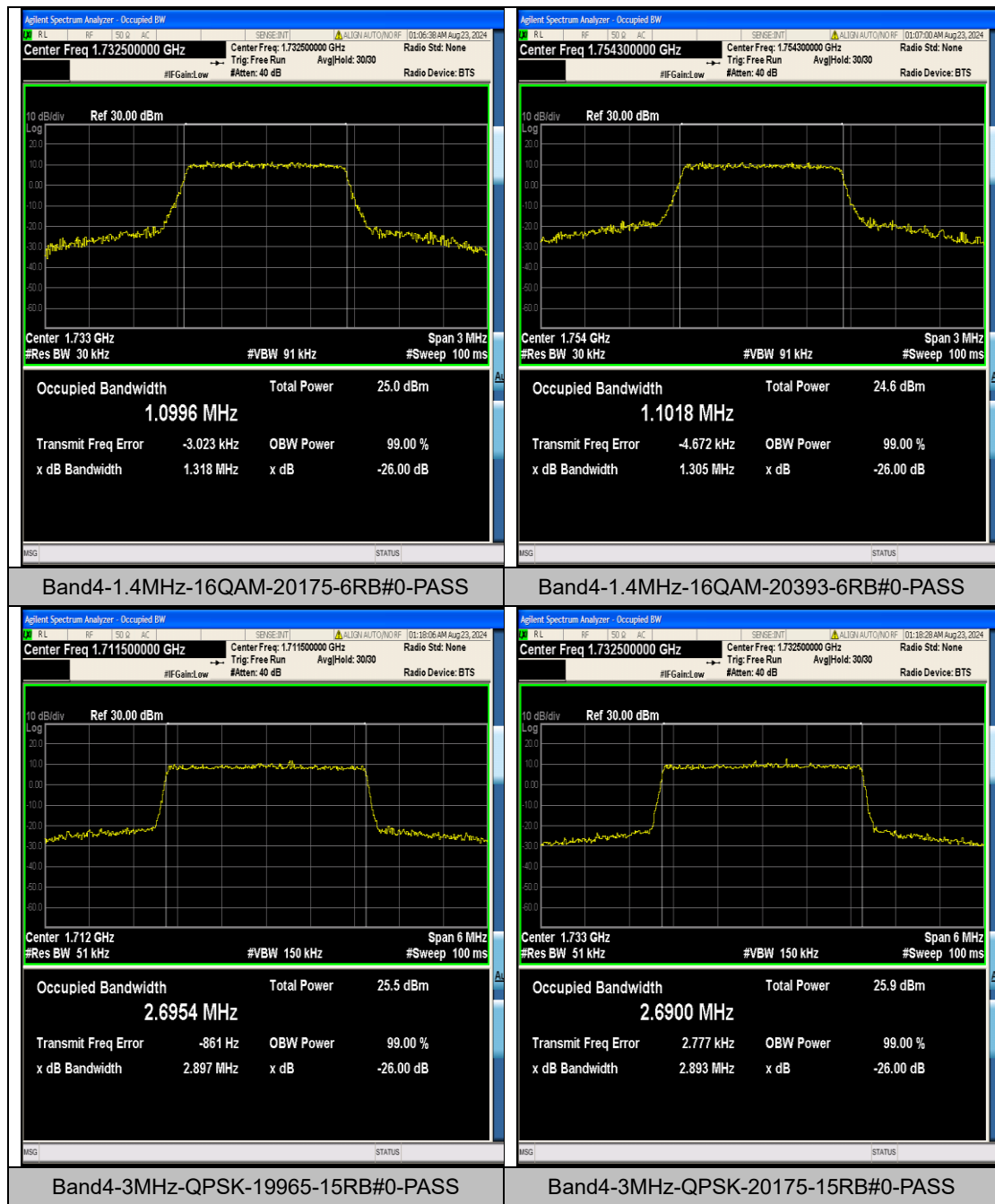
Test Result

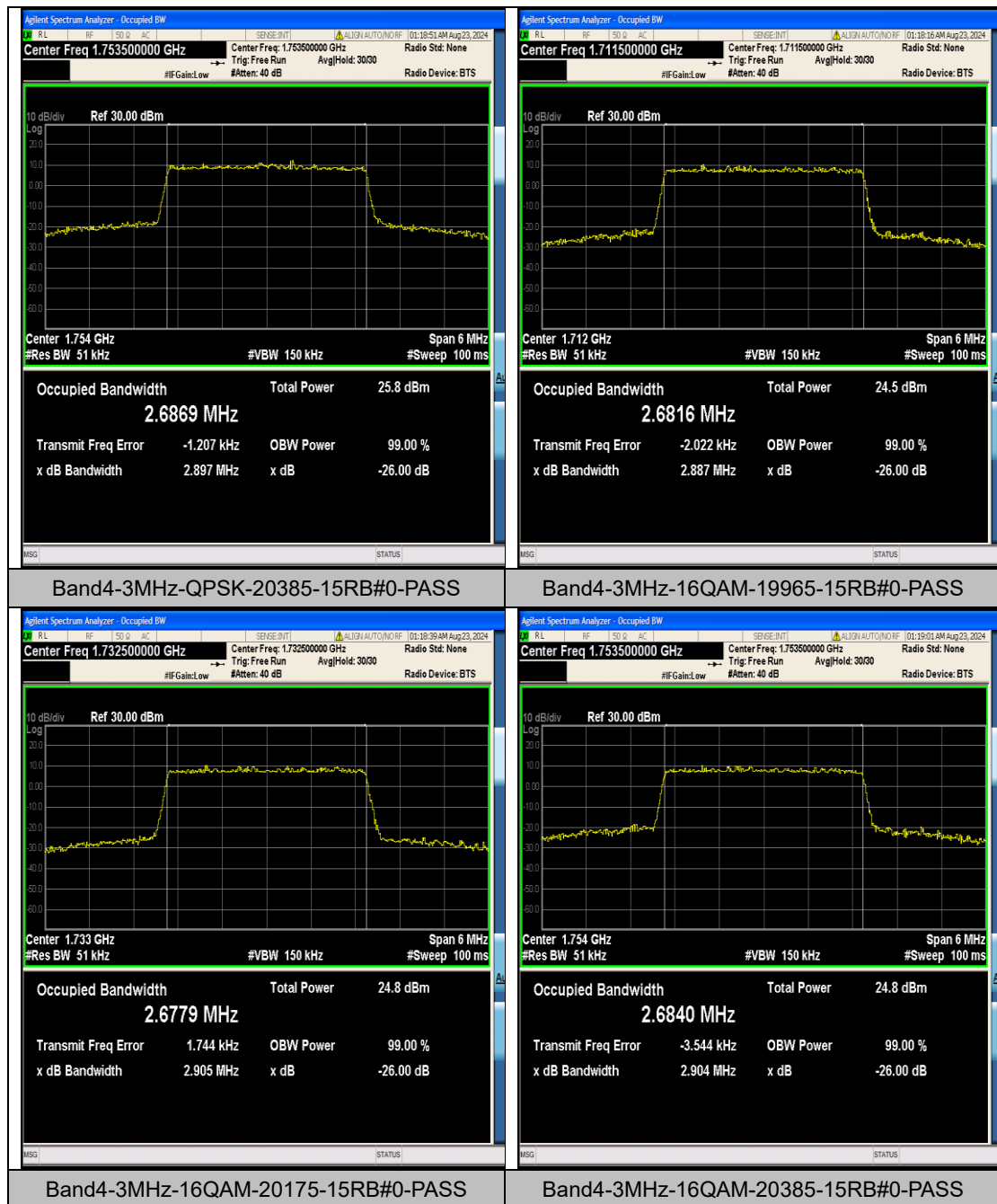
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0960	1.301	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0925	1.321	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0942	1.314	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0990	1.304	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0996	1.318	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1018	1.305	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6954	2.897	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6900	2.893	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6869	2.897	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6816	2.887	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6779	2.905	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6840	2.904	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5183	5.207	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5218	5.215	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5338	5.294	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5267	5.189	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5175	5.159	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5287	5.204	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0337	11.17	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0113	10.13	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0298	10.15	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0323	10.81	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0122	9.990	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0182	10.07	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.563	19.20	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.529	15.07	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.533	15.30	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.584	20.66	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.500	15.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.513	15.11	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.012	19.78	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.977	19.79	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.939	19.79	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.023	19.80	PASS

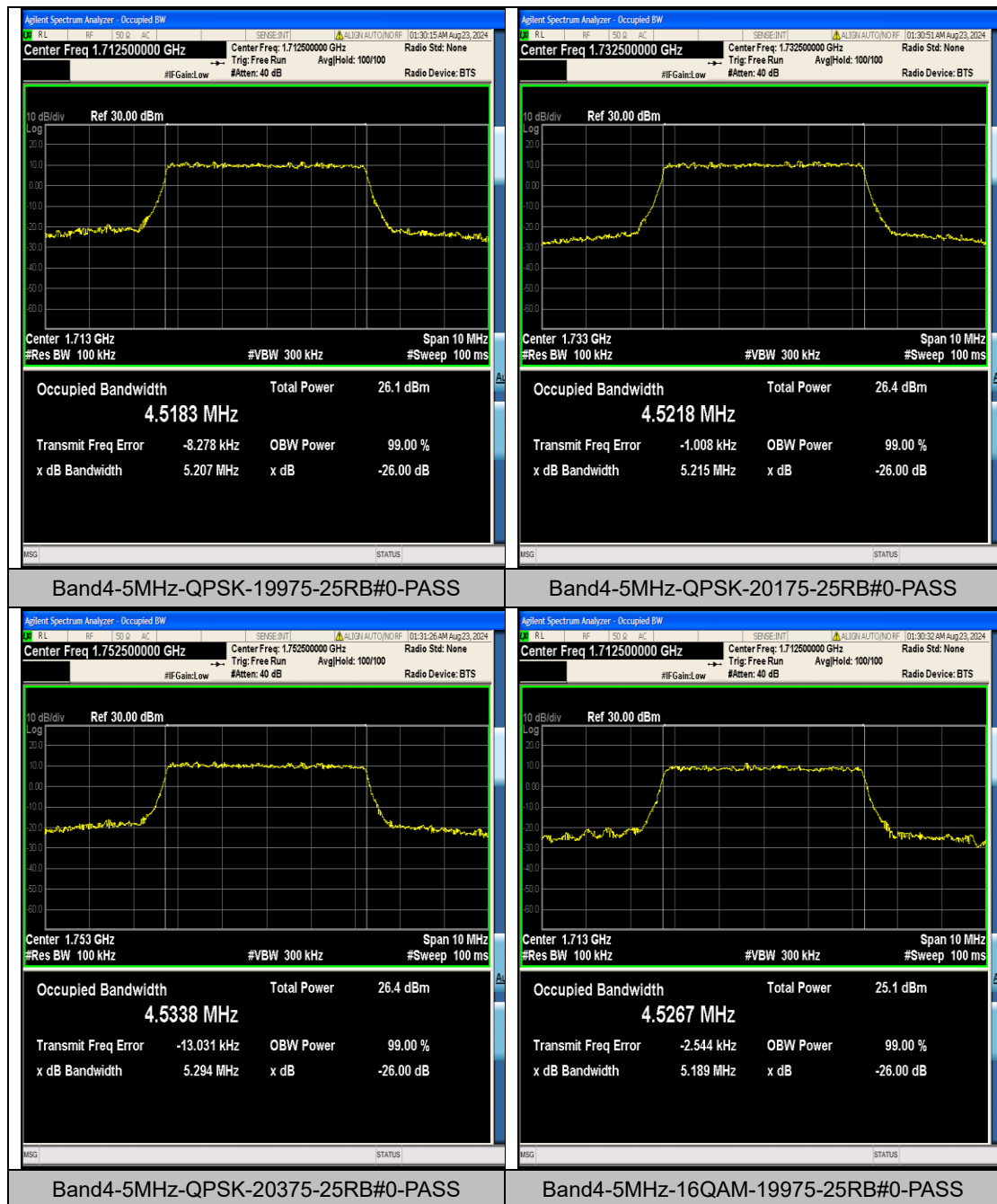
Band4	20MHz	16QAM	20175	100RB#0	17.991	19.76	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.974	19.66	PASS

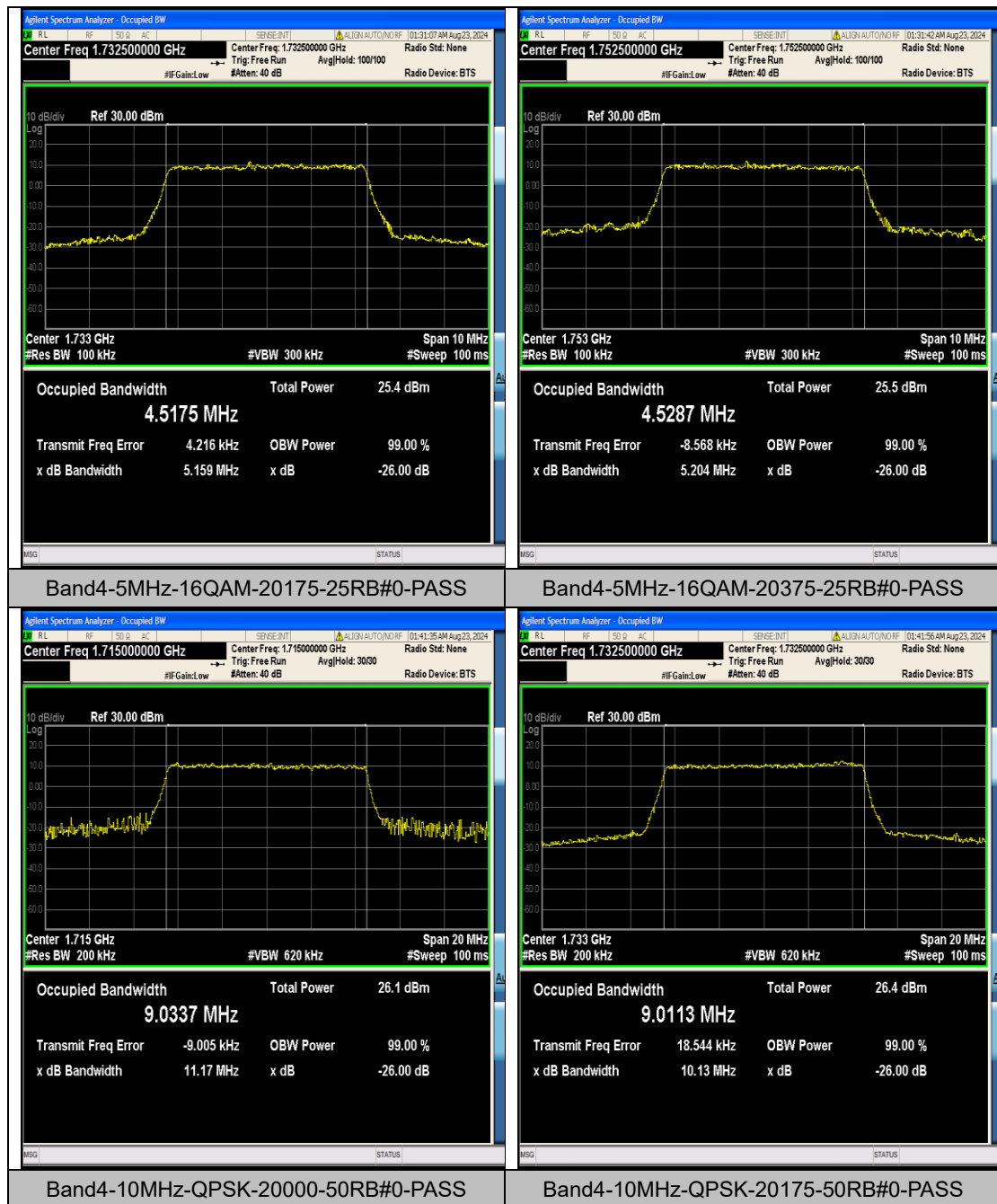
Test Graphs

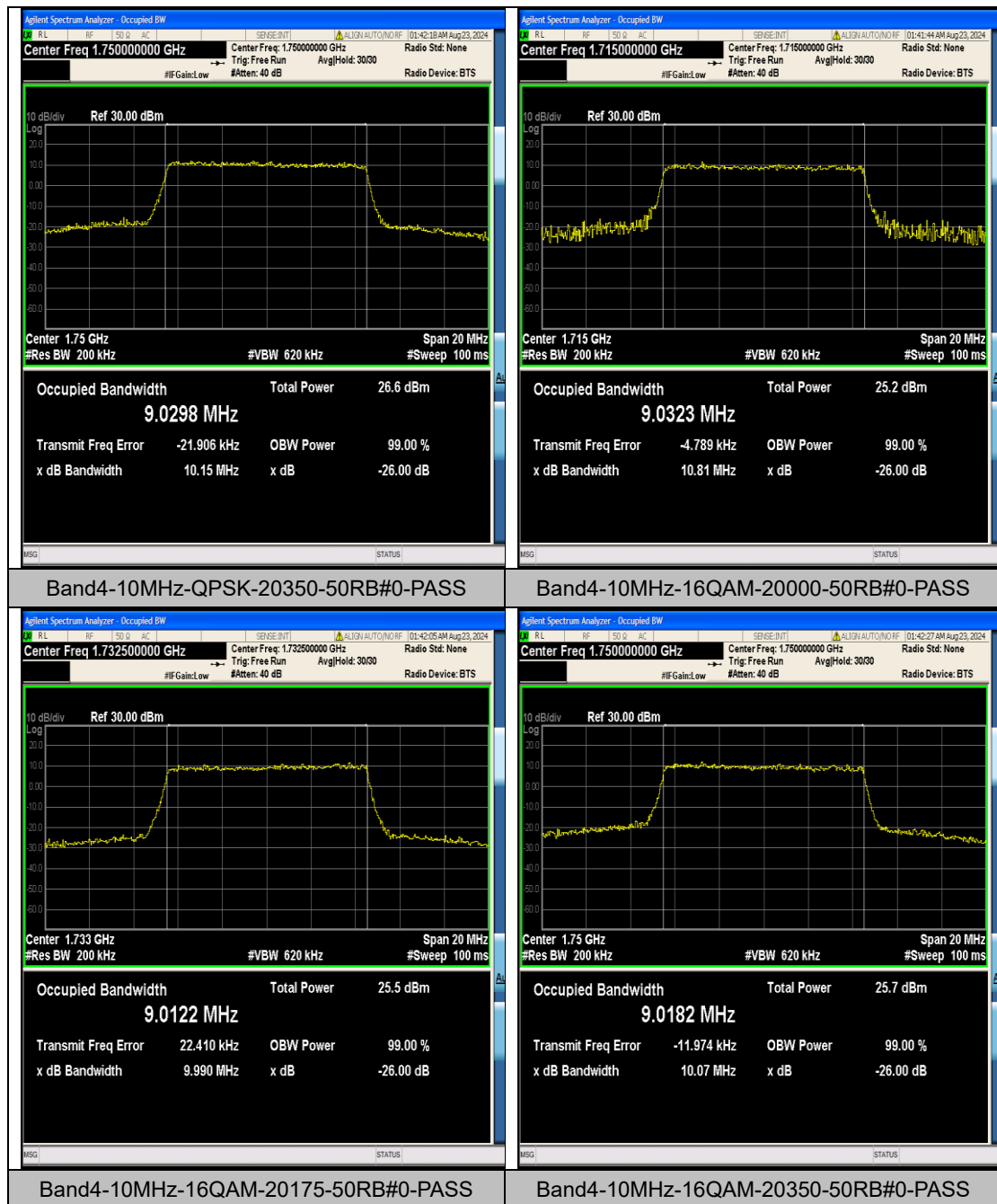


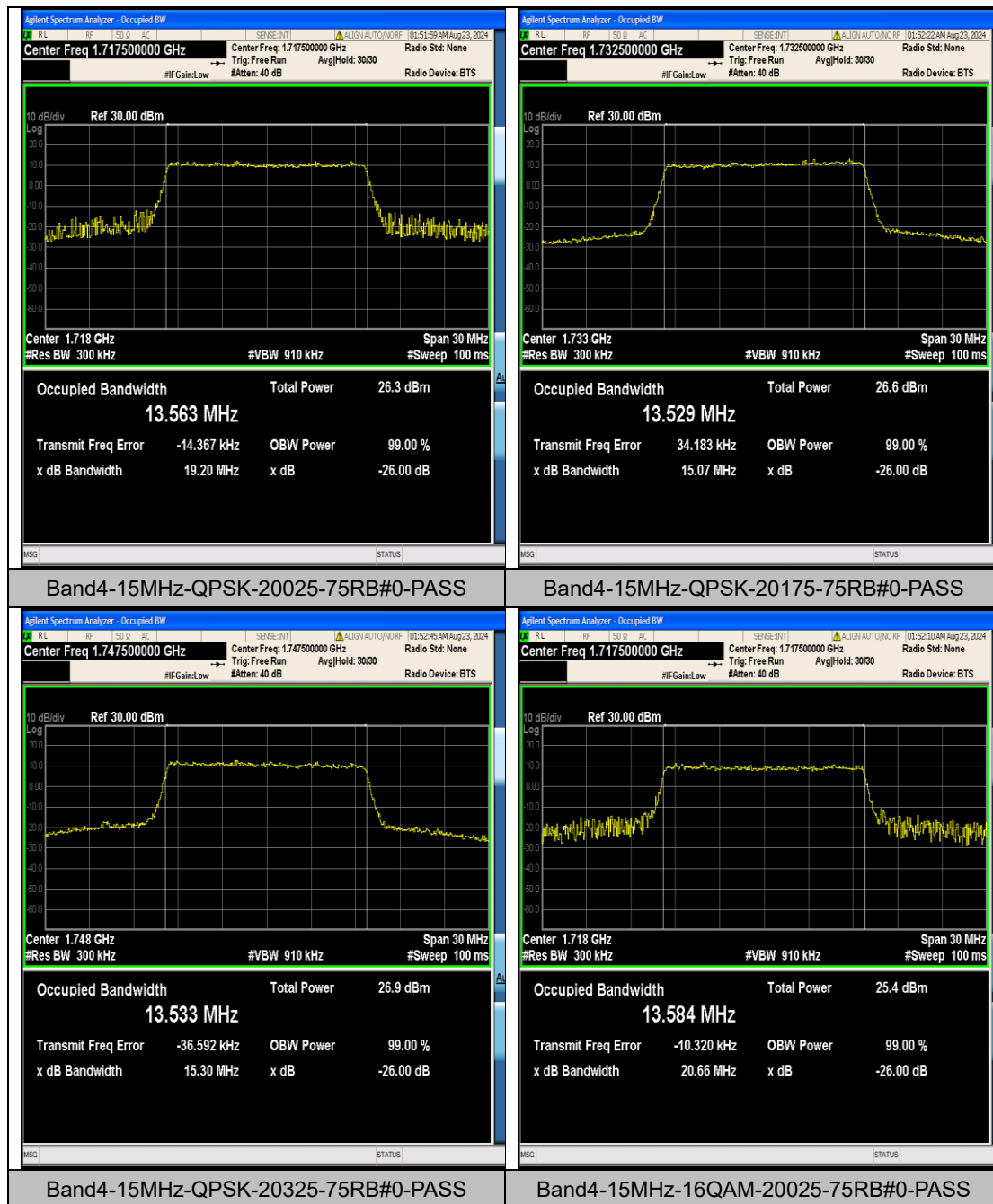


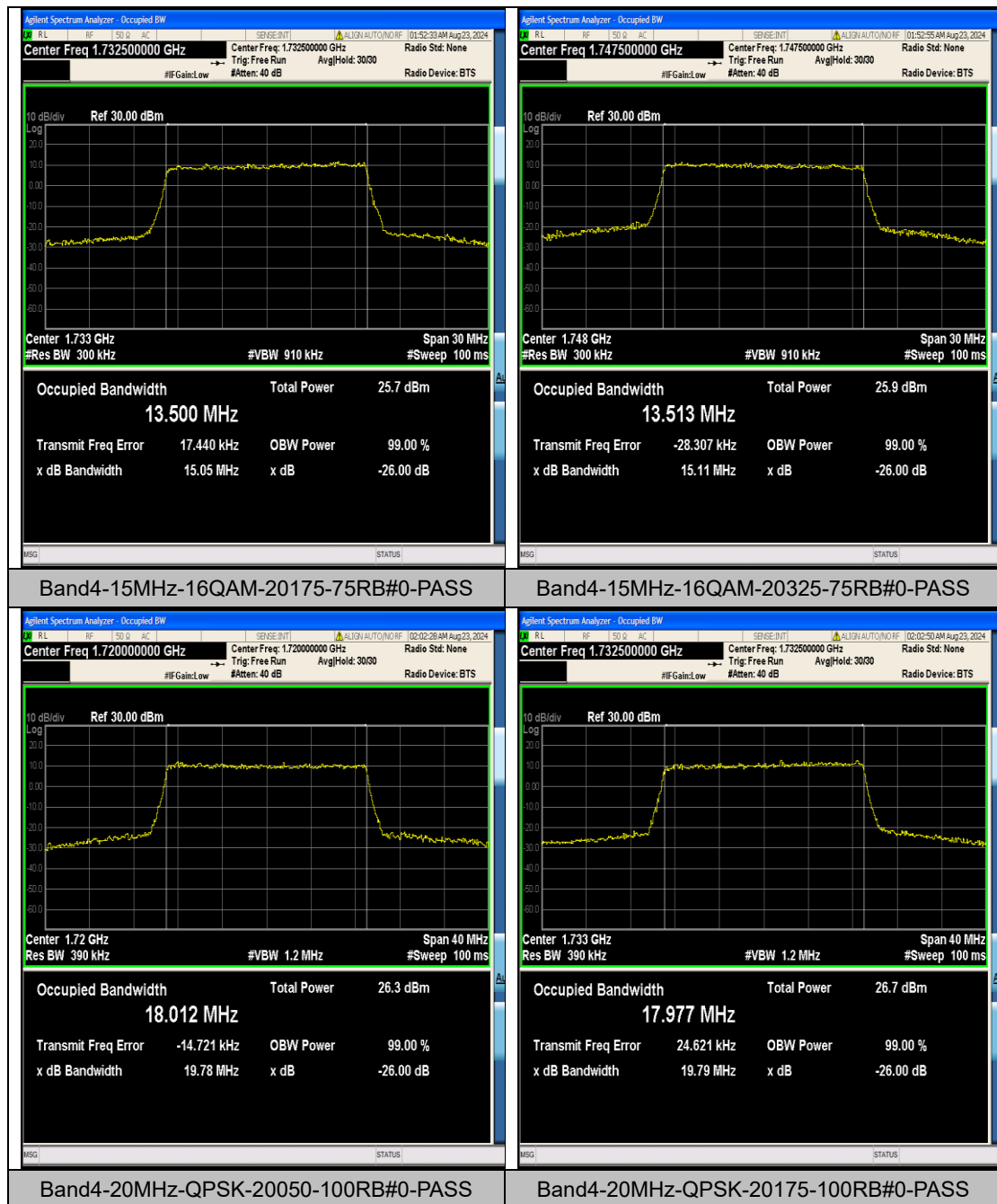


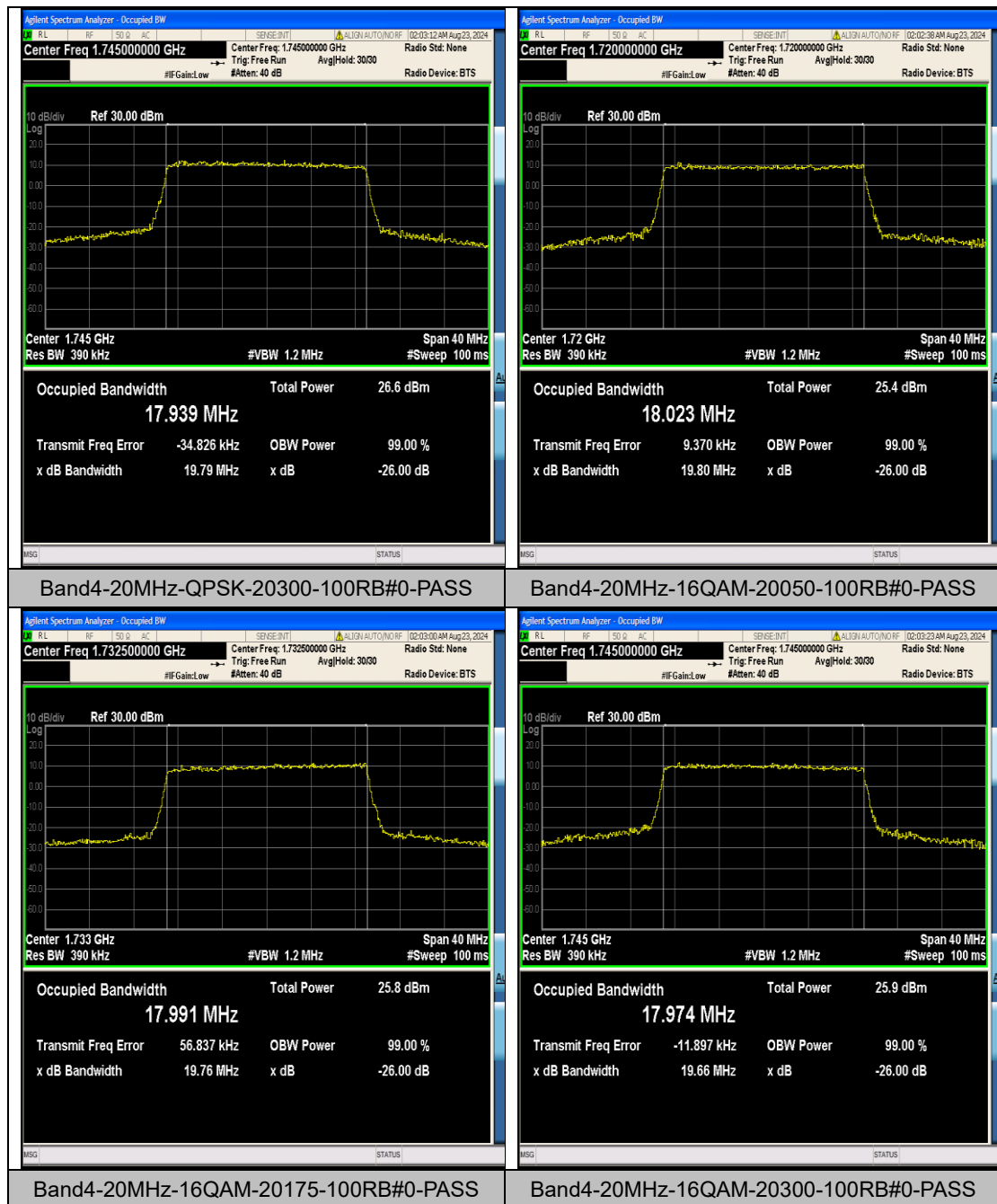












Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-28.70	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-21.06	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-32.88	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-24.11	PASS
Band4	3MHz	QPSK	19965	15RB#0	-28.10	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.16	PASS
Band4	3MHz	16QAM	19965	15RB#0	-31.34	PASS
Band4	3MHz	16QAM	20385	15RB#0	-27.95	PASS
Band4	5MHz	QPSK	19975	25RB#0	-28.37	PASS
Band4	5MHz	QPSK	20375	25RB#0	-25.15	PASS
Band4	5MHz	16QAM	19975	25RB#0	-31.95	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.47	PASS
Band4	10MHz	QPSK	20000	50RB#0	-30.17	PASS
Band4	10MHz	QPSK	20350	50RB#0	-27.51	PASS
Band4	10MHz	16QAM	20000	50RB#0	-33.89	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.73	PASS
Band4	15MHz	QPSK	20025	75RB#0	-29.18	PASS
Band4	15MHz	QPSK	20325	75RB#0	-26.48	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.18	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.65	PASS
Band4	20MHz	QPSK	20050	100RB#0	-34.62	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.10	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.45	PASS
Band4	20MHz	16QAM	20300	100RB#0	-35.89	PASS

Test Graphs

