

FCC Appendix RF Test Data for LTE Band 2

Company: : Yulong Computer Telecommunication Scientific
(Shenzhen) Co., Ltd

EUT : Smart Phone

Model Number : K21

FCC ID : R38YLCPK21

Report No. : CTA25091901803

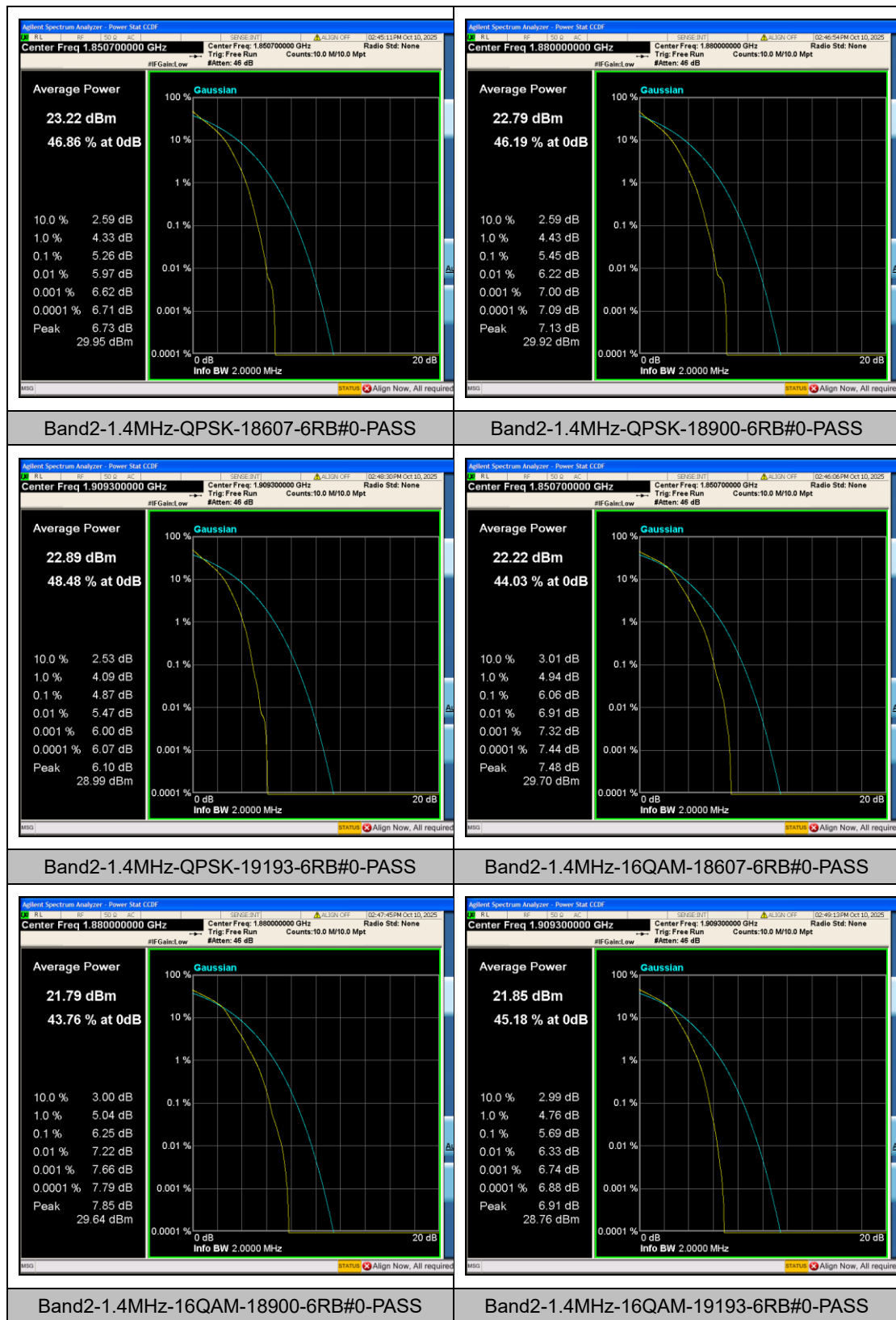
Reviewed By : Eric Wang

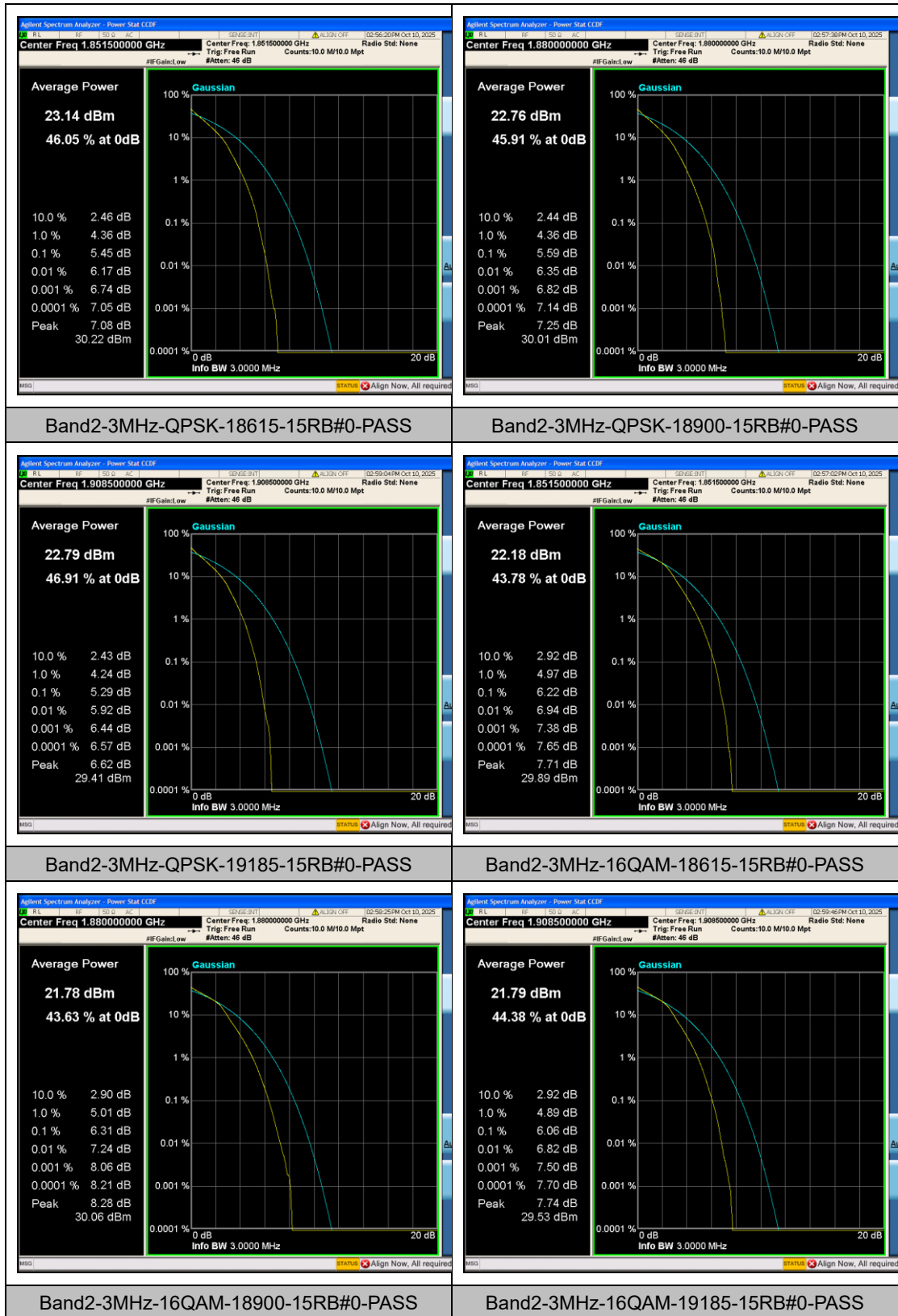
Appendix B: Peak-to-Average Ratio(CCDF)

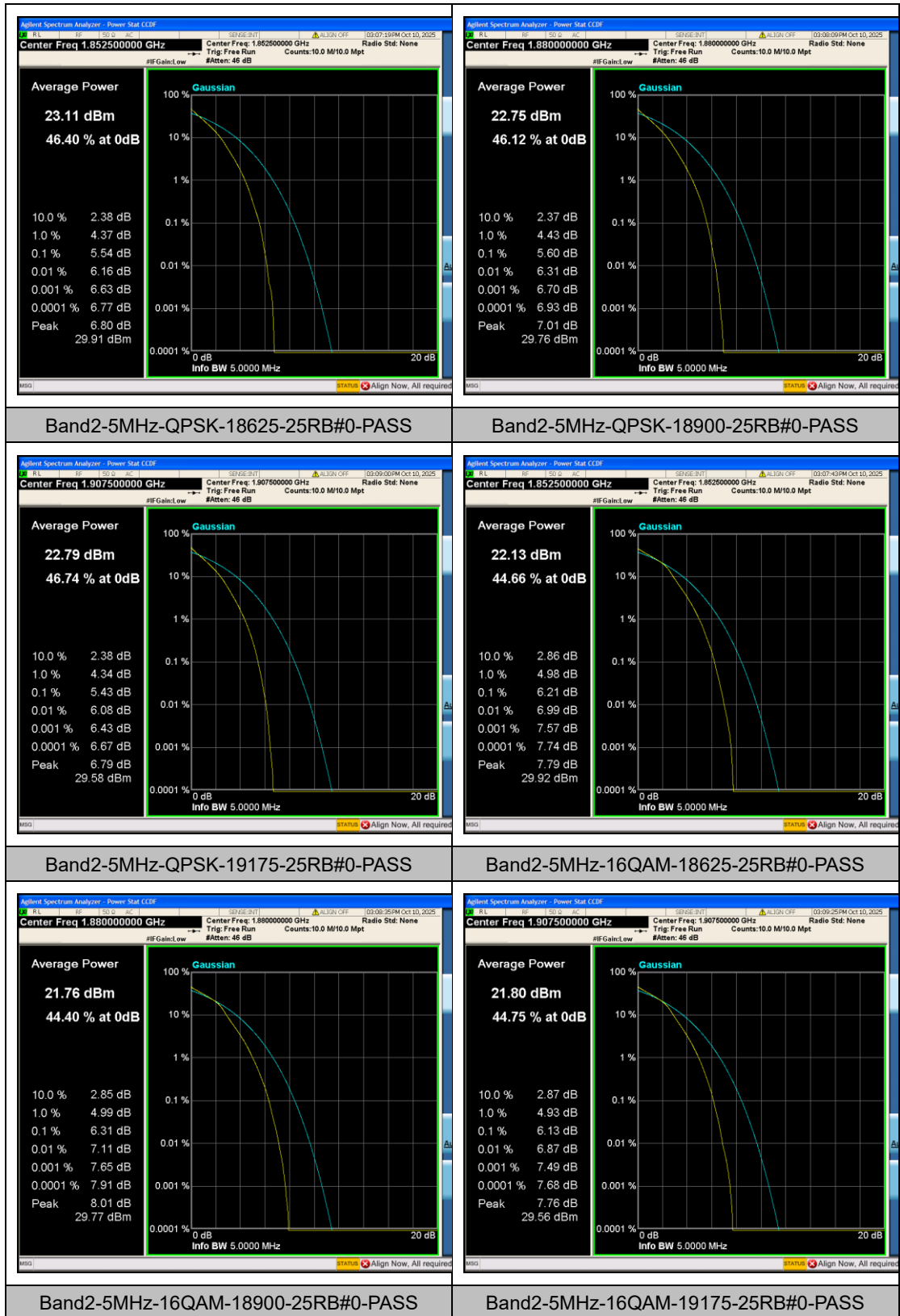
Test Result

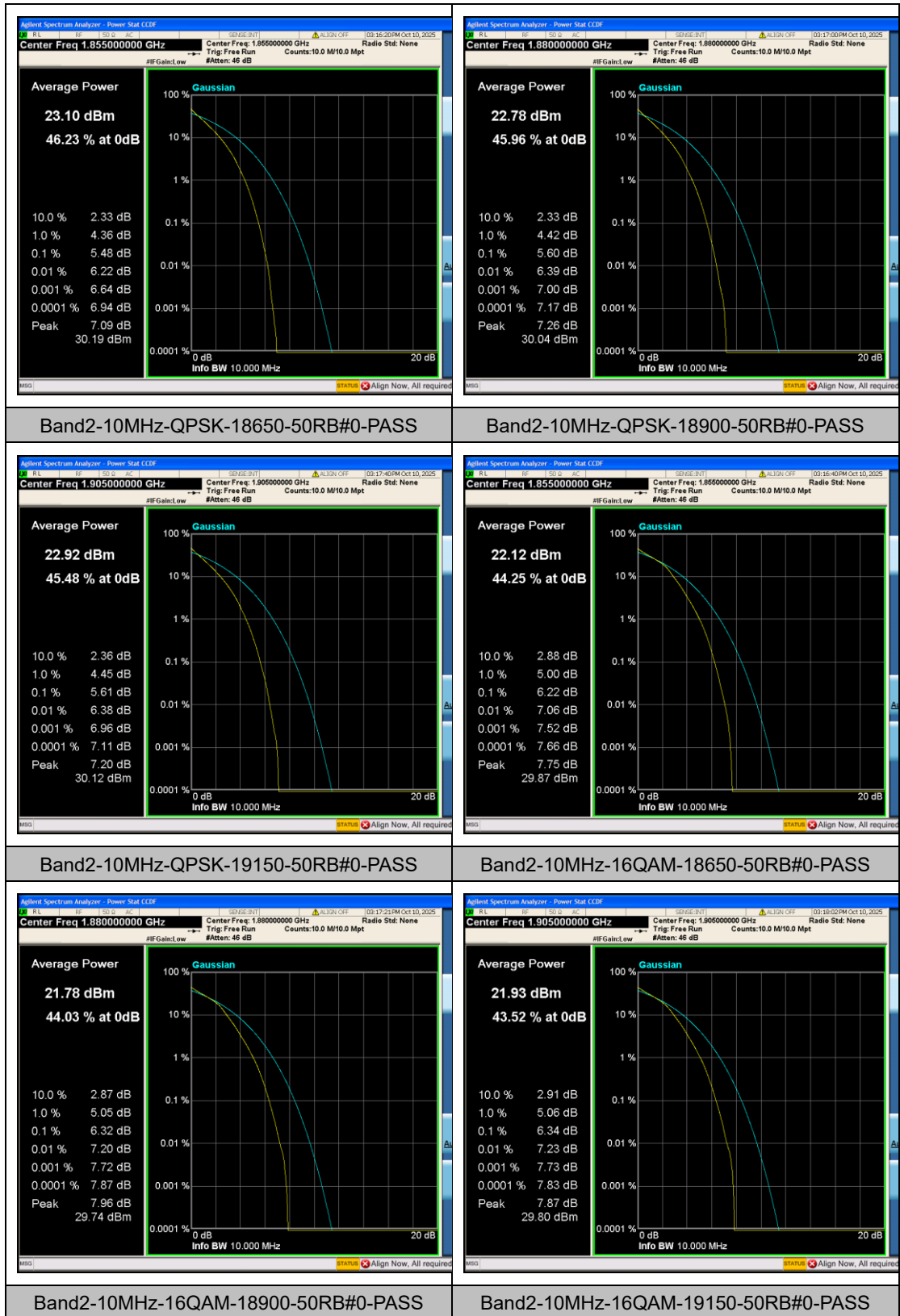
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.26	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.45	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.87	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.06	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.25	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.69	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.45	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.59	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.29	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.22	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.31	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.06	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.54	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.60	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.43	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.21	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.31	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.13	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.48	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.60	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.61	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.22	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.32	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.34	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.79	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.92	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.00	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.31	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.41	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.50	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.49	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.57	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.71	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.27	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.34	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.40	13	PASS

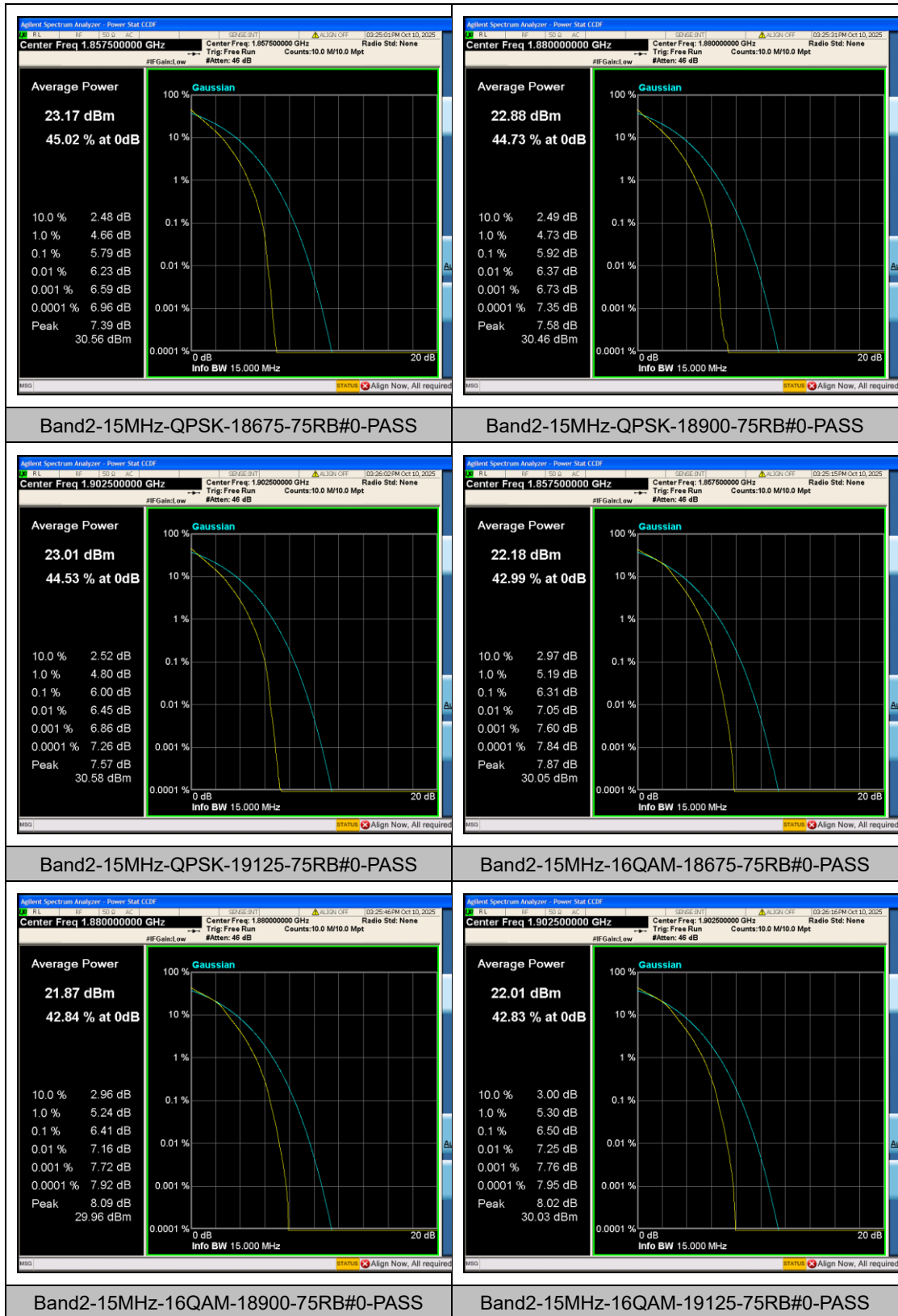
Test Graphs

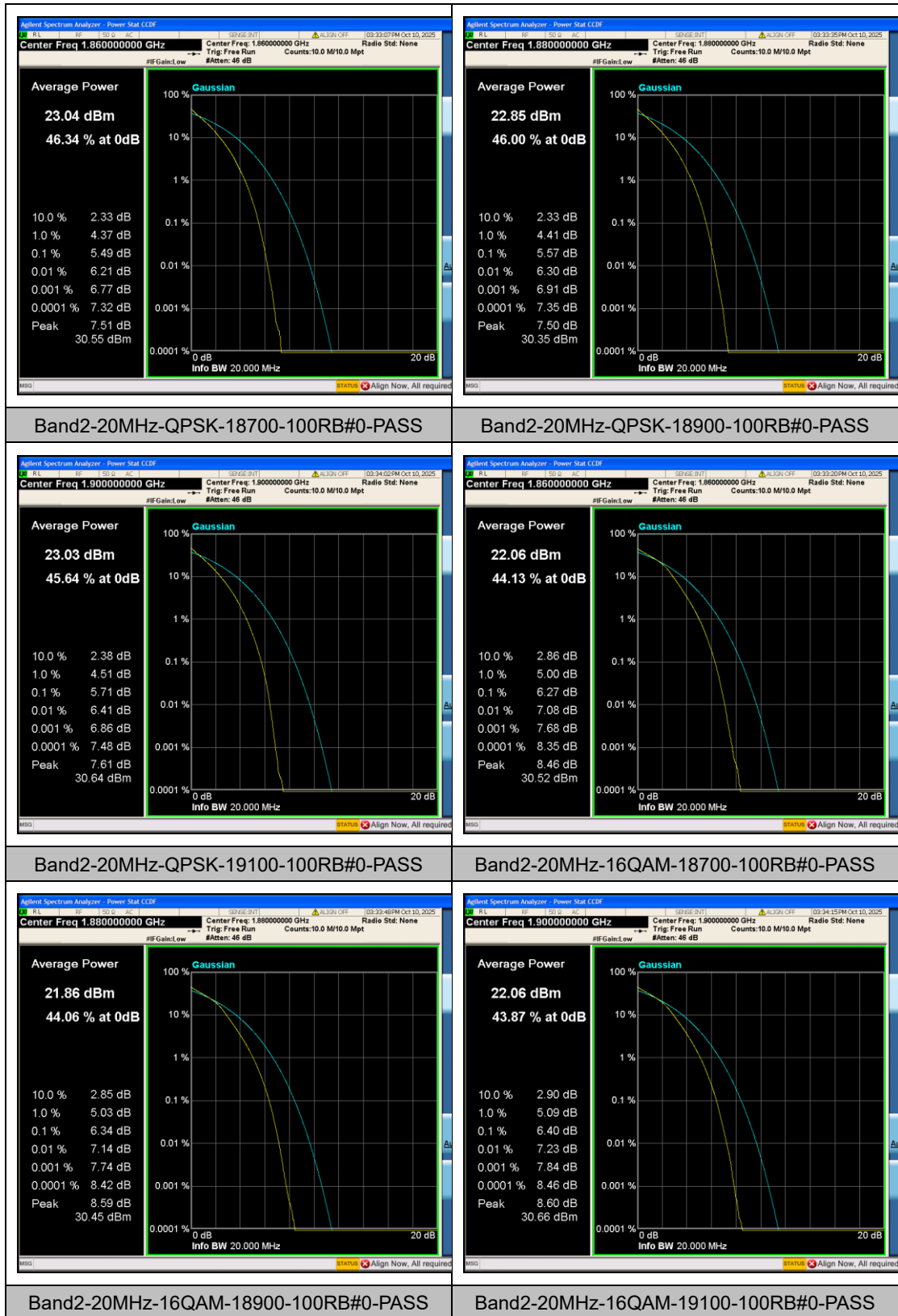












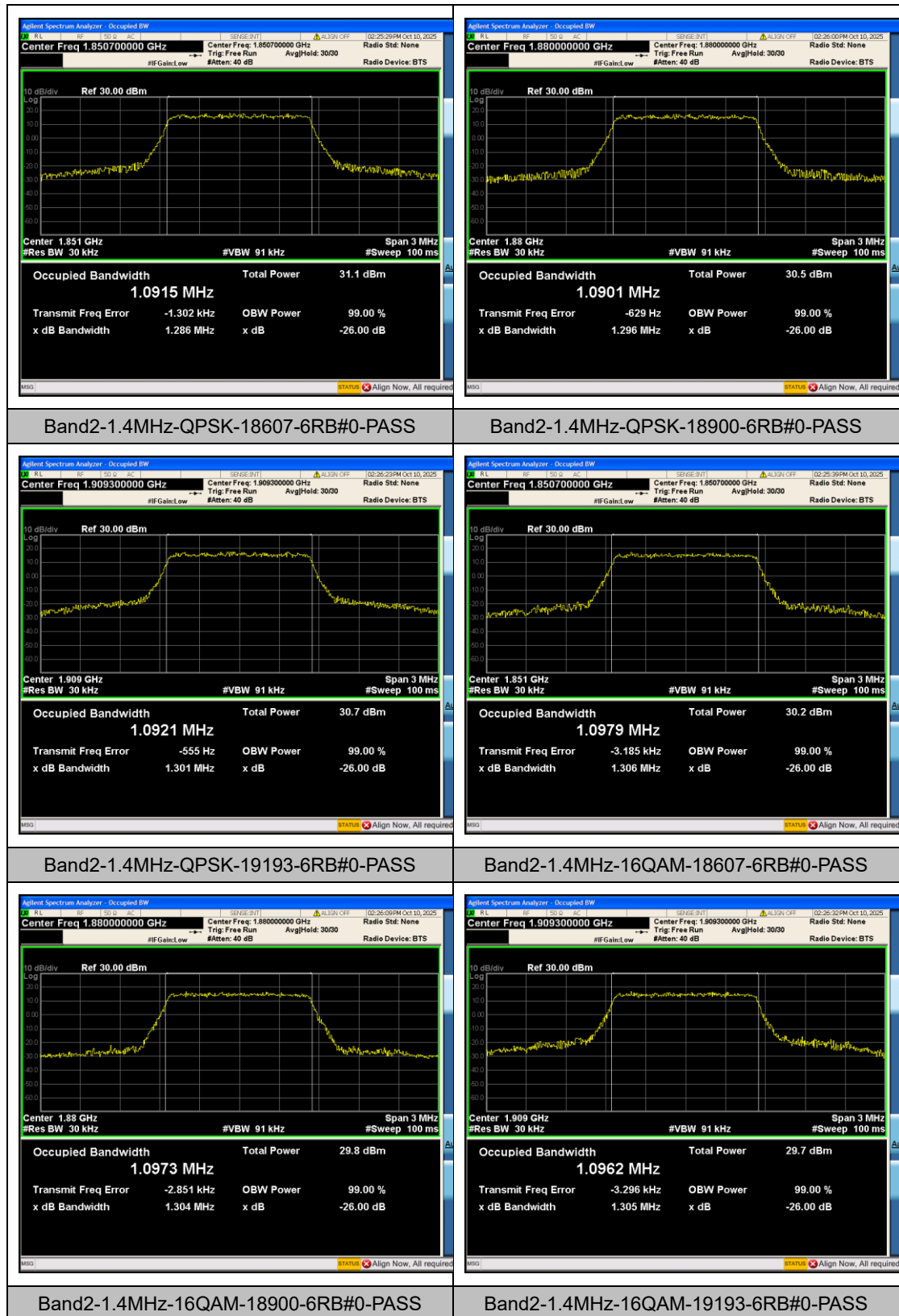
Appendix C: 26dB Bandwidth and Occupied Bandwidth

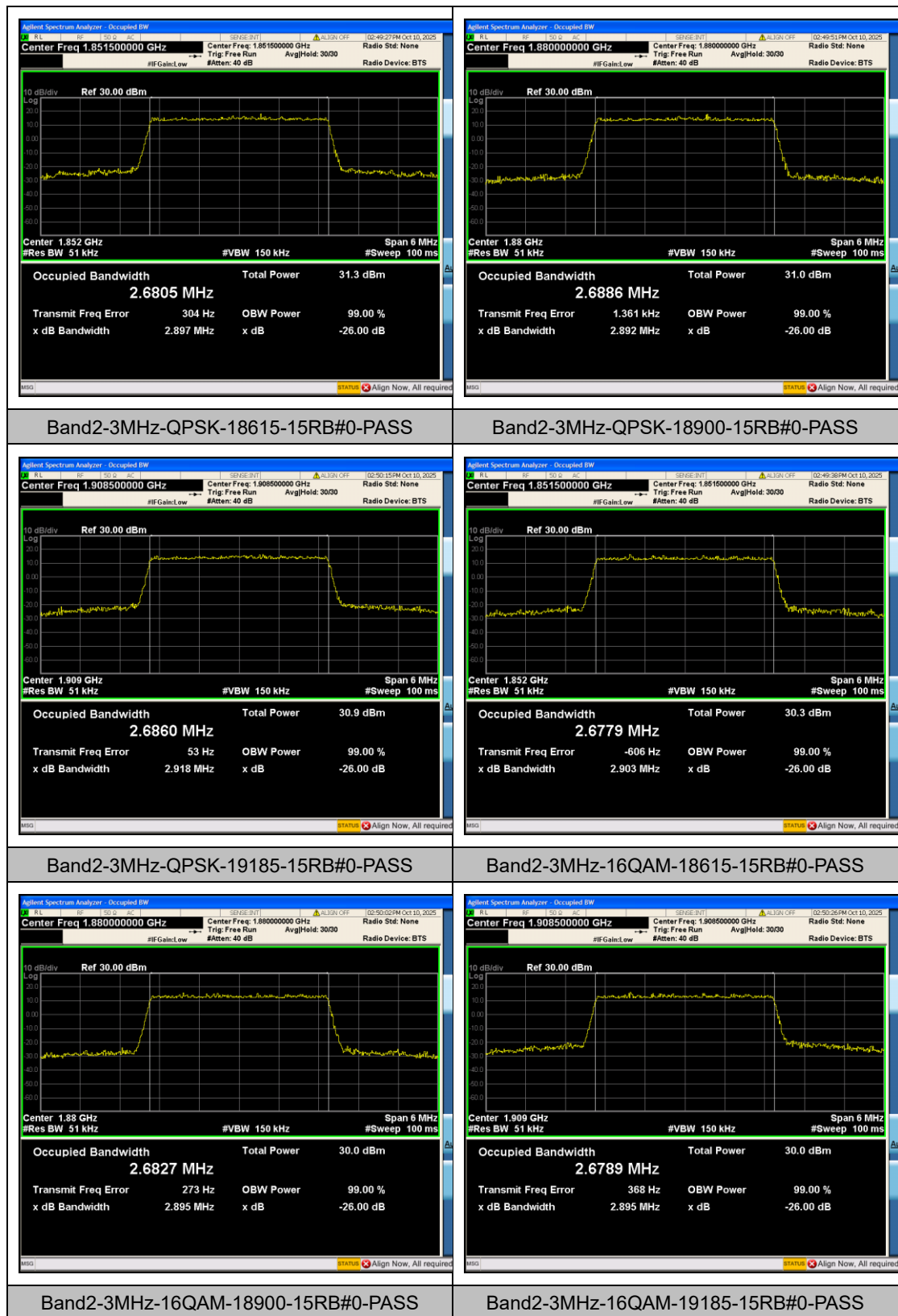
Test Result

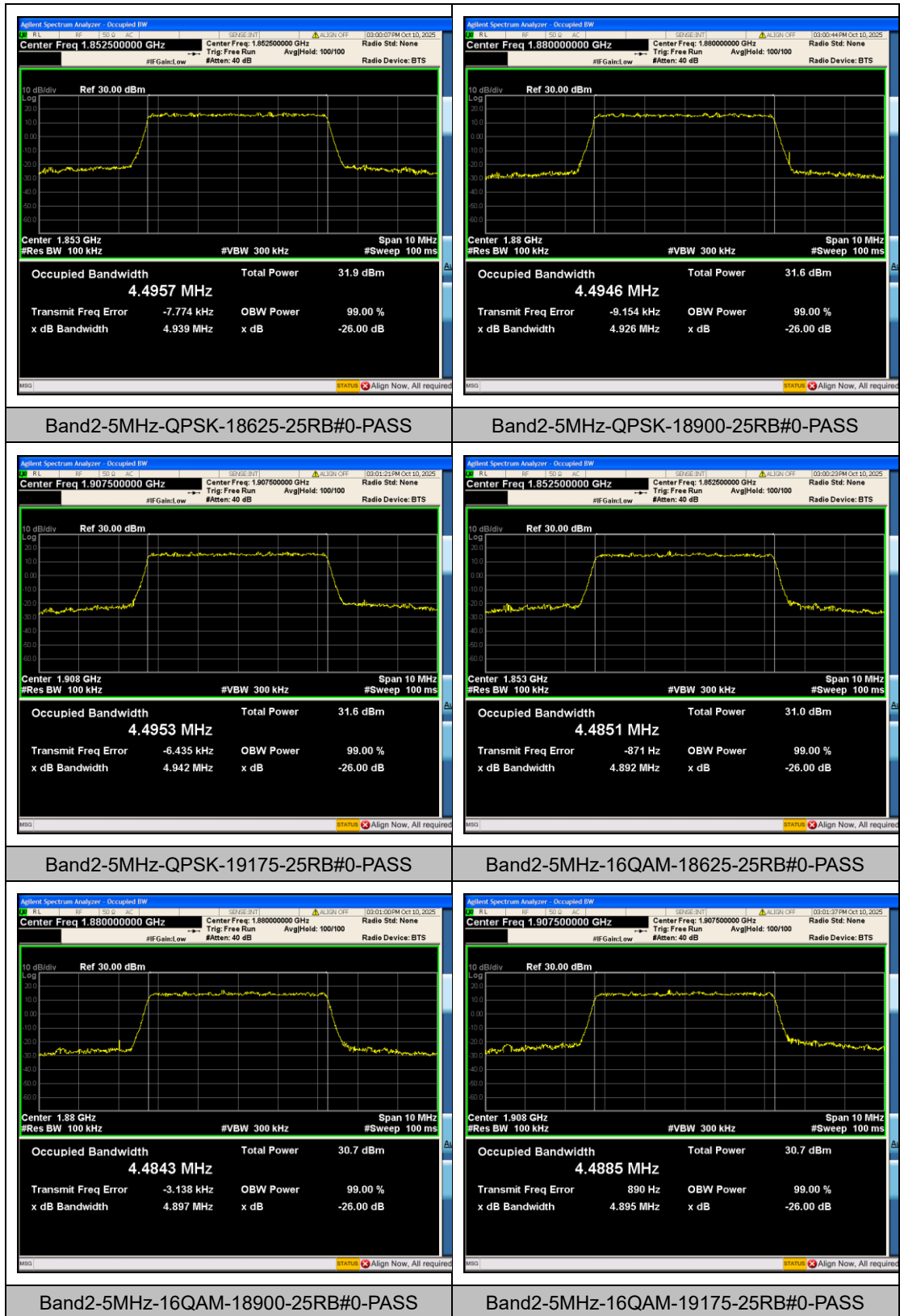
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0915	1.286	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0901	1.296	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0921	1.301	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0979	1.306	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0973	1.304	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0962	1.305	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6805	2.897	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6886	2.892	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6860	2.918	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6779	2.903	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6827	2.895	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6789	2.895	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4957	4.939	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4946	4.926	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4953	4.942	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4851	4.892	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4843	4.897	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4885	4.895	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9765	9.777	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9719	9.798	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9983	9.852	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9636	9.726	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9764	9.741	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9802	9.761	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.472	14.63	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.475	14.75	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.523	15.12	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.446	14.61	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.463	14.67	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.497	14.66	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.925	19.30	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.953	19.37	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.006	19.50	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.968	19.35	PASS

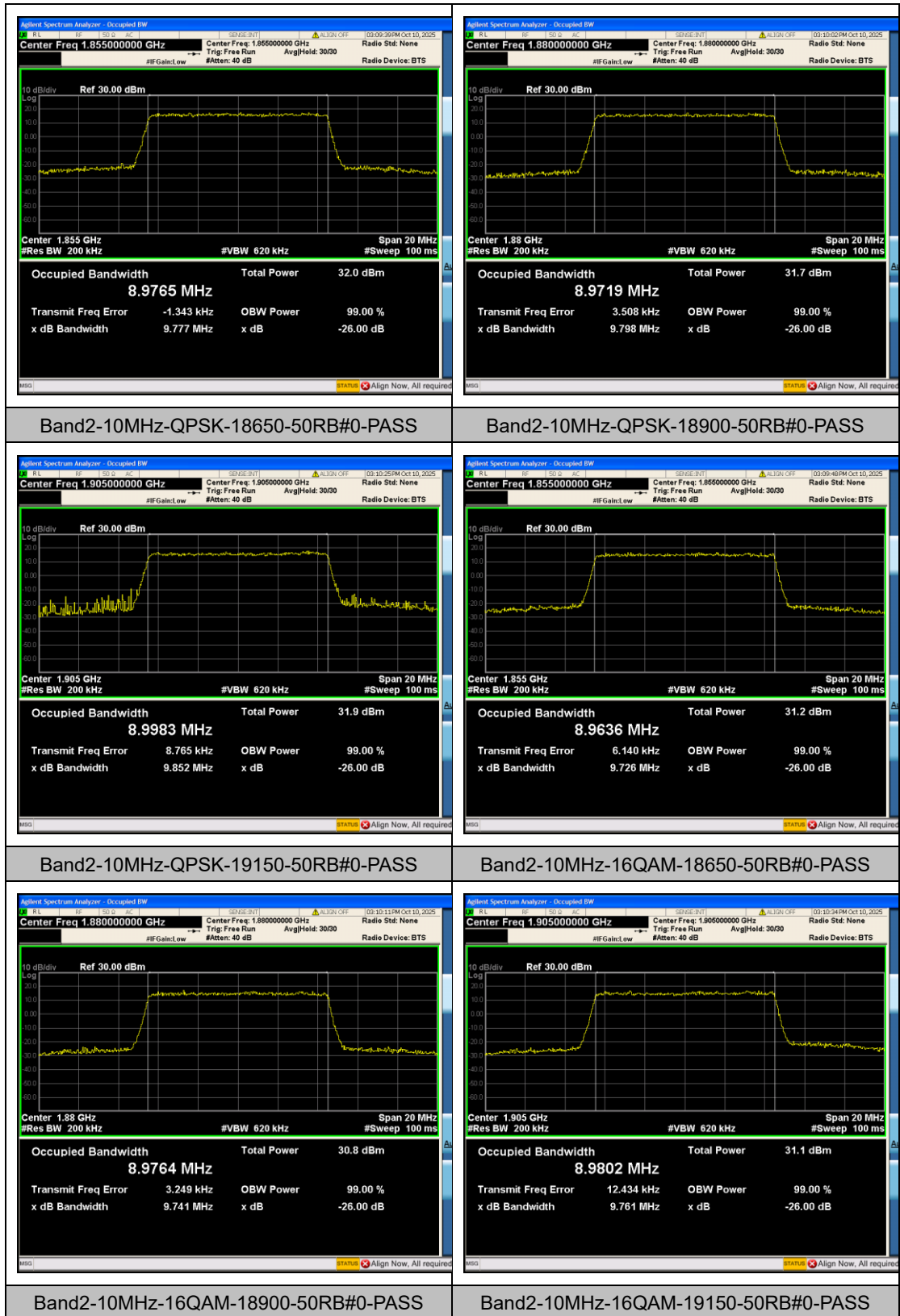
Band2	20MHz	16QAM	18900	100RB#0	17.977	19.35	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.985	19.36	PASS

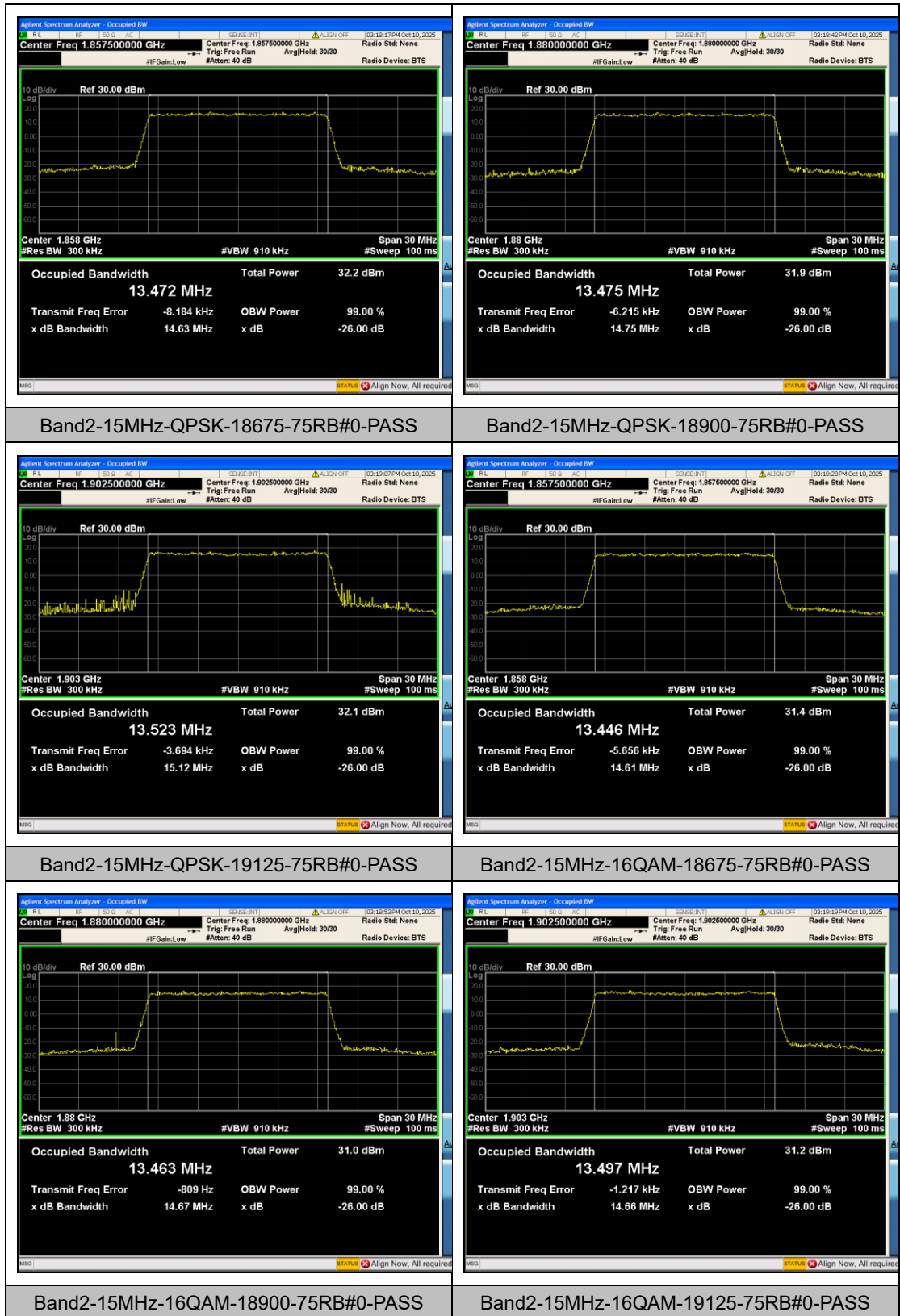
Test Graphs

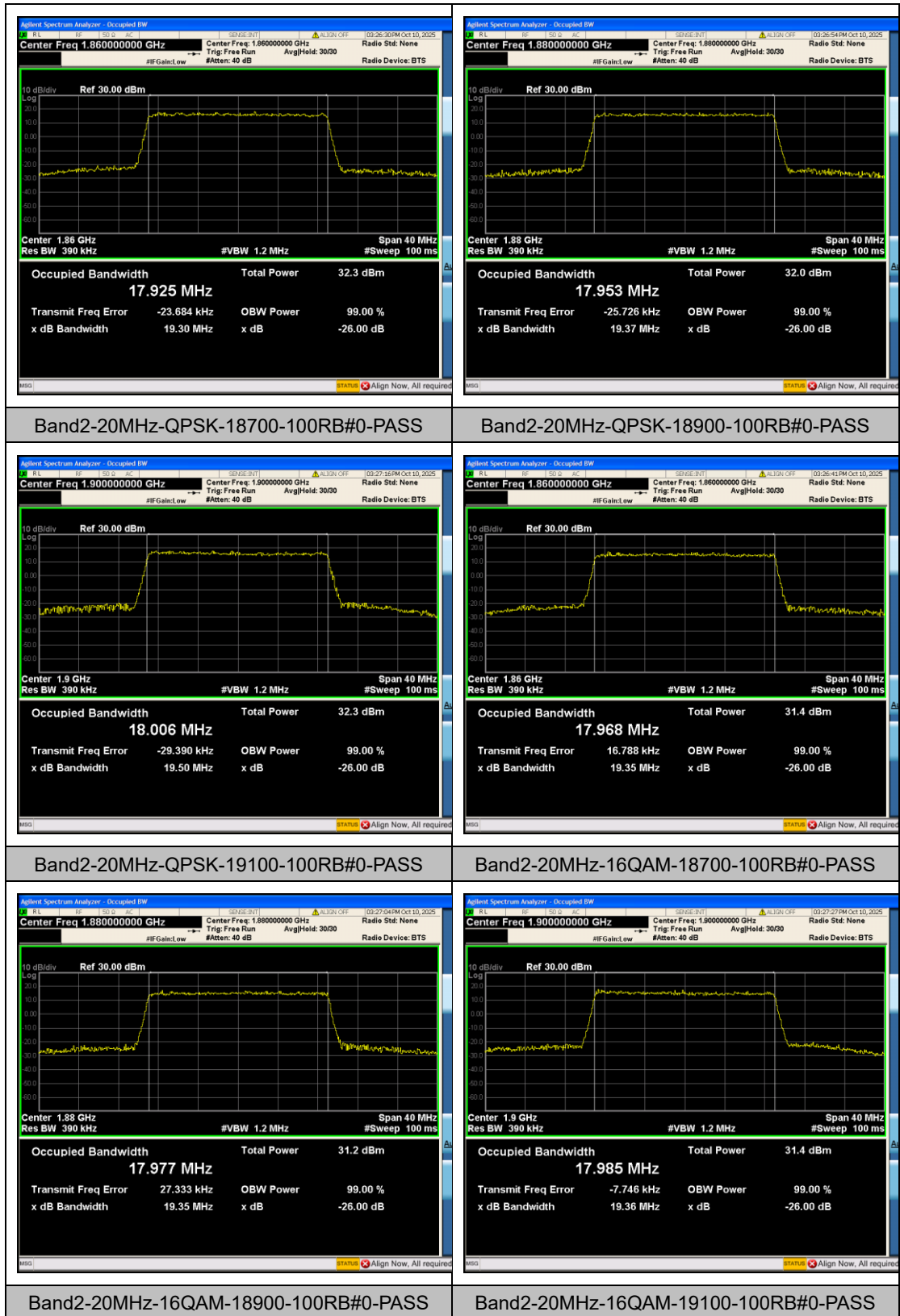












Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-27.91	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-23.95	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-27.84	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-27.84	PASS
Band2	3MHz	QPSK	18615	15RB#0	-25.77	PASS
Band2	3MHz	QPSK	19185	15RB#0	-24.81	PASS
Band2	3MHz	16QAM	18615	15RB#0	-25.87	PASS
Band2	3MHz	16QAM	19185	15RB#0	-25.87	PASS
Band2	5MHz	QPSK	18625	25RB#0	-27.02	PASS
Band2	5MHz	QPSK	19175	25RB#0	-26.06	PASS
Band2	5MHz	16QAM	18625	25RB#0	-27.21	PASS
Band2	5MHz	16QAM	19175	25RB#0	-27.09	PASS
Band2	10MHz	QPSK	18650	50RB#0	-29.33	PASS
Band2	10MHz	QPSK	19150	50RB#0	-27.97	PASS
Band2	10MHz	16QAM	18650	50RB#0	-29.95	PASS
Band2	10MHz	16QAM	19150	50RB#0	-28.99	PASS
Band2	15MHz	QPSK	18675	75RB#0	-29.41	PASS
Band2	15MHz	QPSK	19125	75RB#0	-28.83	PASS
Band2	15MHz	16QAM	18675	75RB#0	-31.02	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	-31.57	PASS
Band2	20MHz	QPSK	19100	100RB#0	-31.56	PASS
Band2	20MHz	16QAM	18700	100RB#0	-31.86	PASS
Band2	20MHz	16QAM	19100	100RB#0	-32.31	PASS