

FCC LTE Band Test Data

FCC ID : 2BMDZ-Z-VOYAGE

Company: : Advanced Rugged System Co., LTD

EUT : Rugged Tablet

Model Number : Z_Voyage

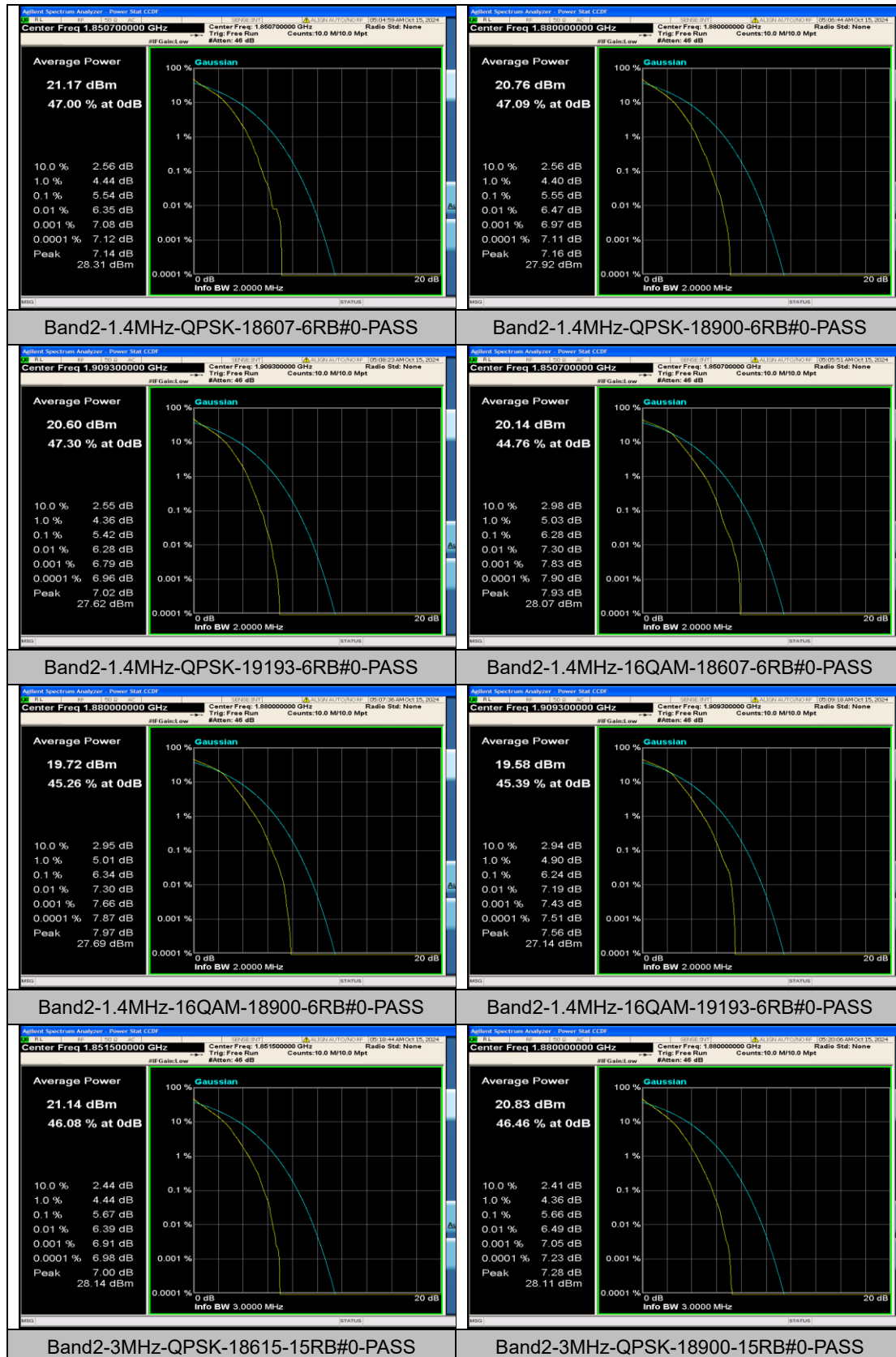
Reviewed By : Eric Wang

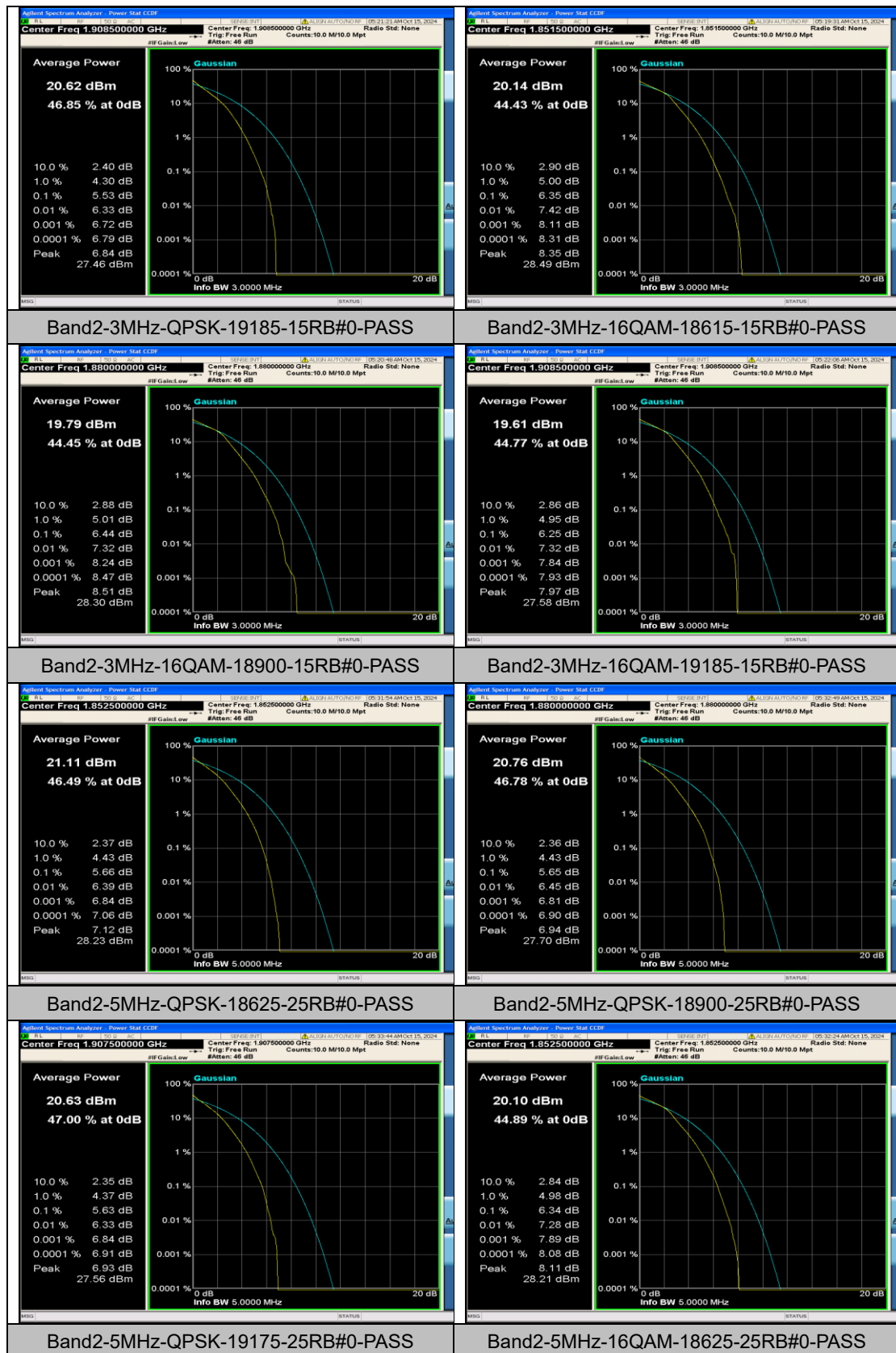
Appendix B: Peak-to-Average Ratio(CCDF)

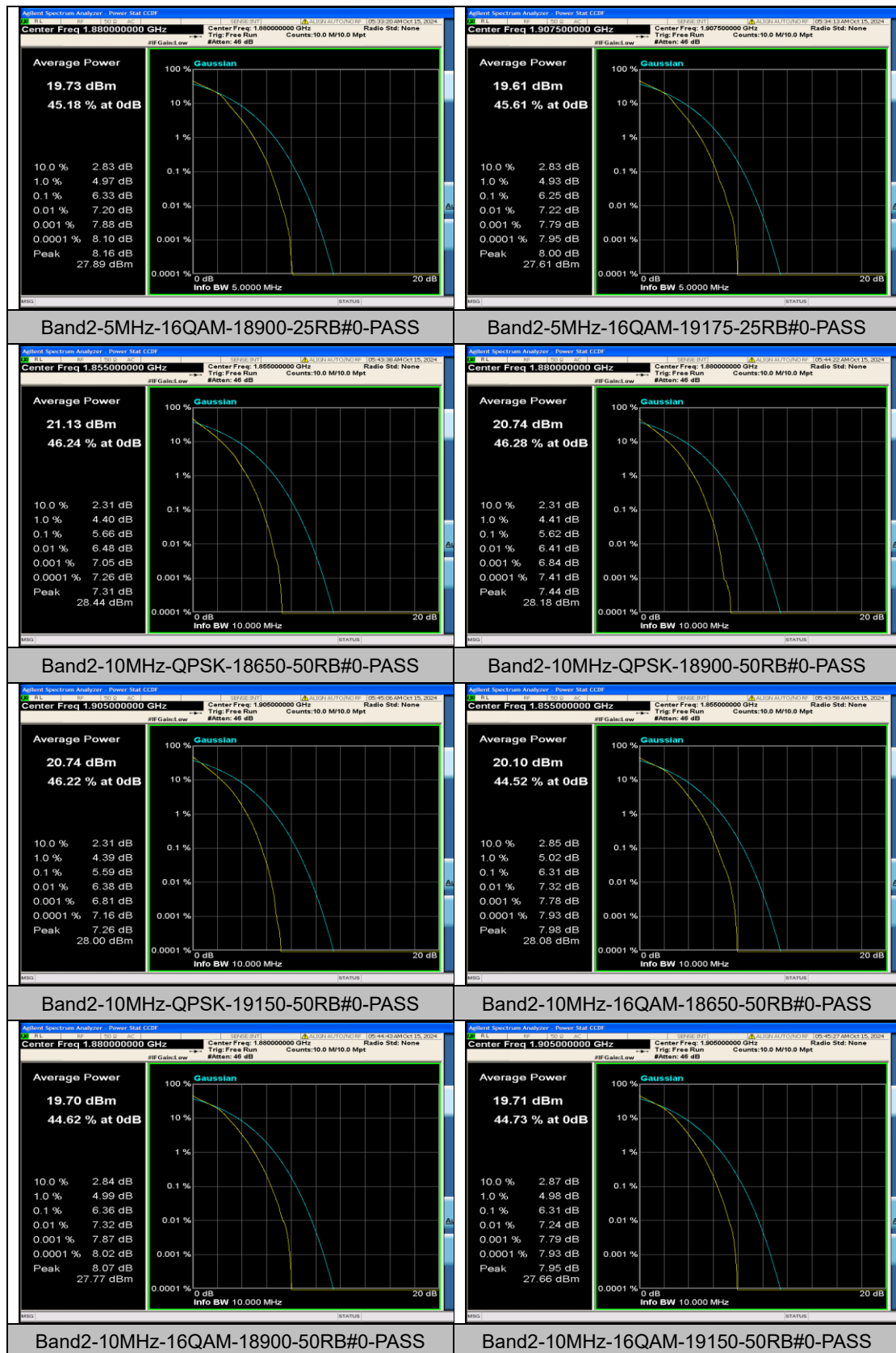
Test Result

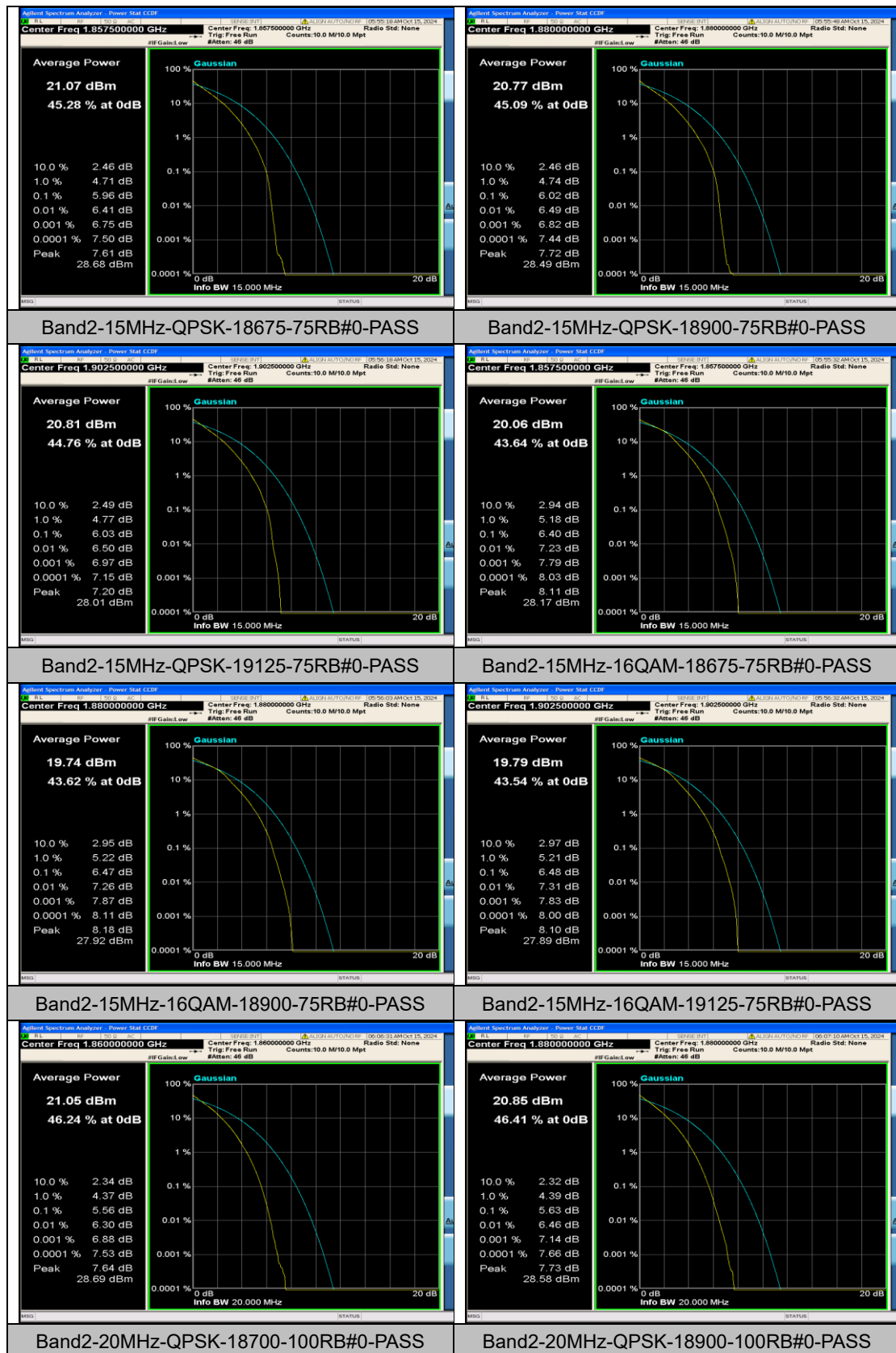
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.54	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.55	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.42	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.28	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.34	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.24	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.67	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.66	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.53	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.35	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.44	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.25	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.66	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.65	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.63	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.34	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.33	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.25	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.66	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.62	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.59	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.31	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.36	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.31	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.96	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	6.02	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.03	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.40	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.47	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.48	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.56	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.63	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.70	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.33	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.37	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.39	13	PASS

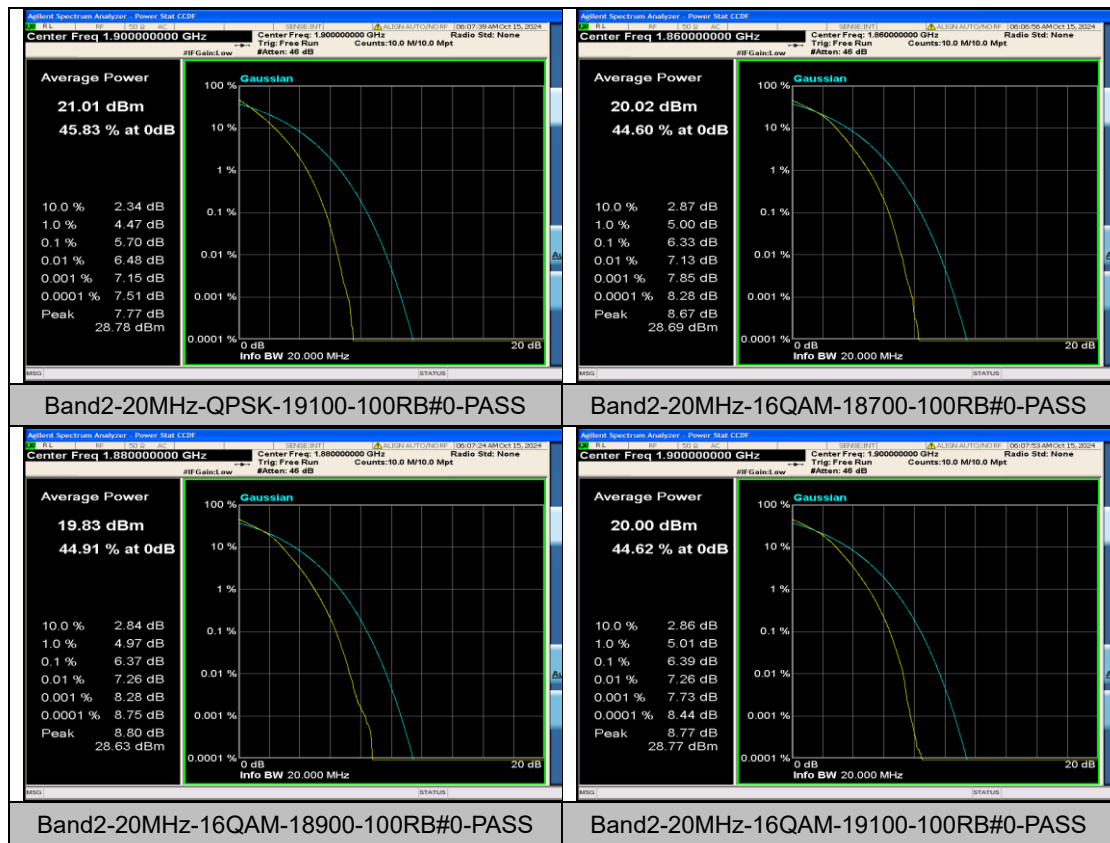
Test Graphs











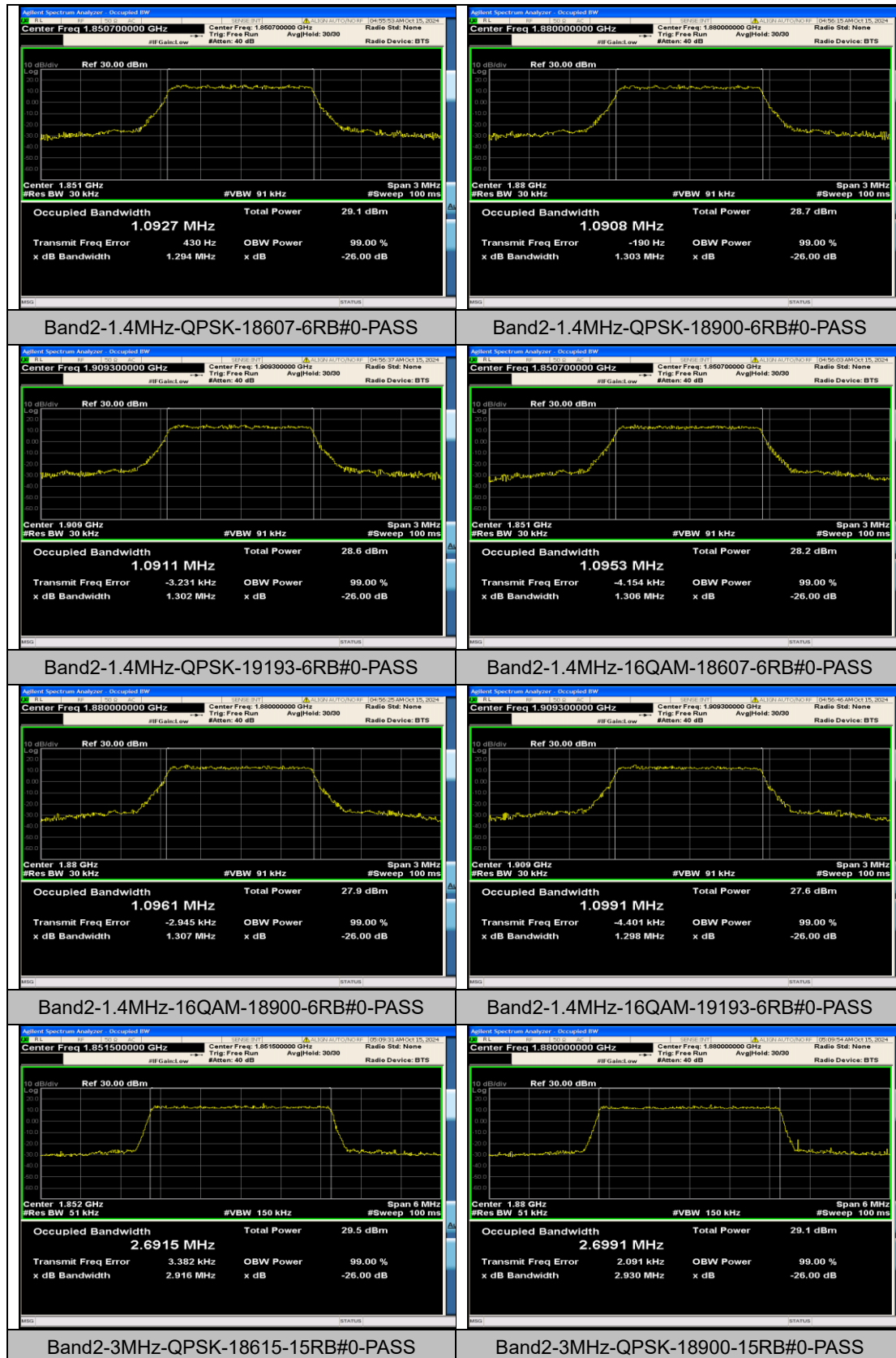
Appendix C: 26dB Bandwidth and Occupied Bandwidth

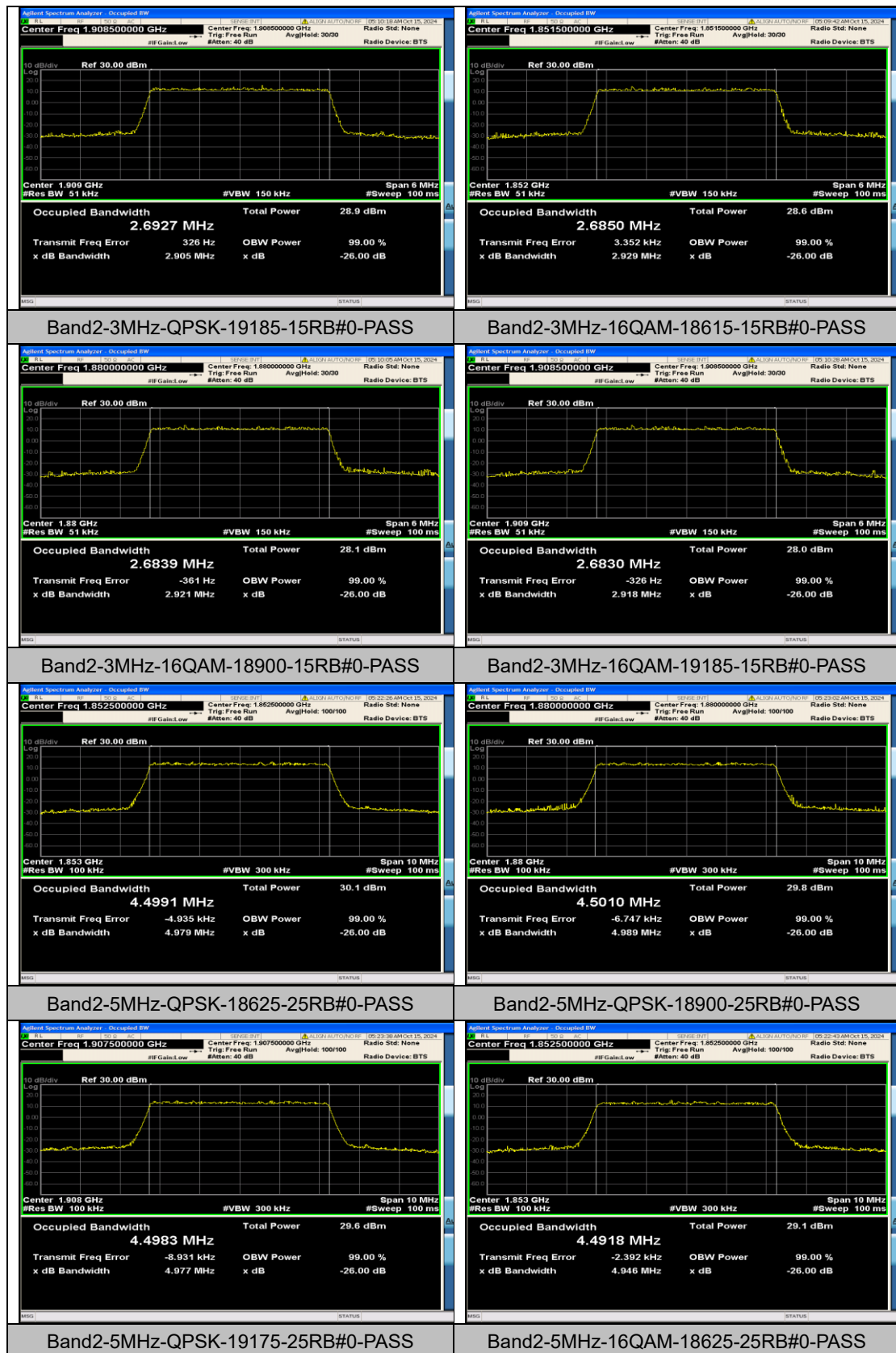
Test Result

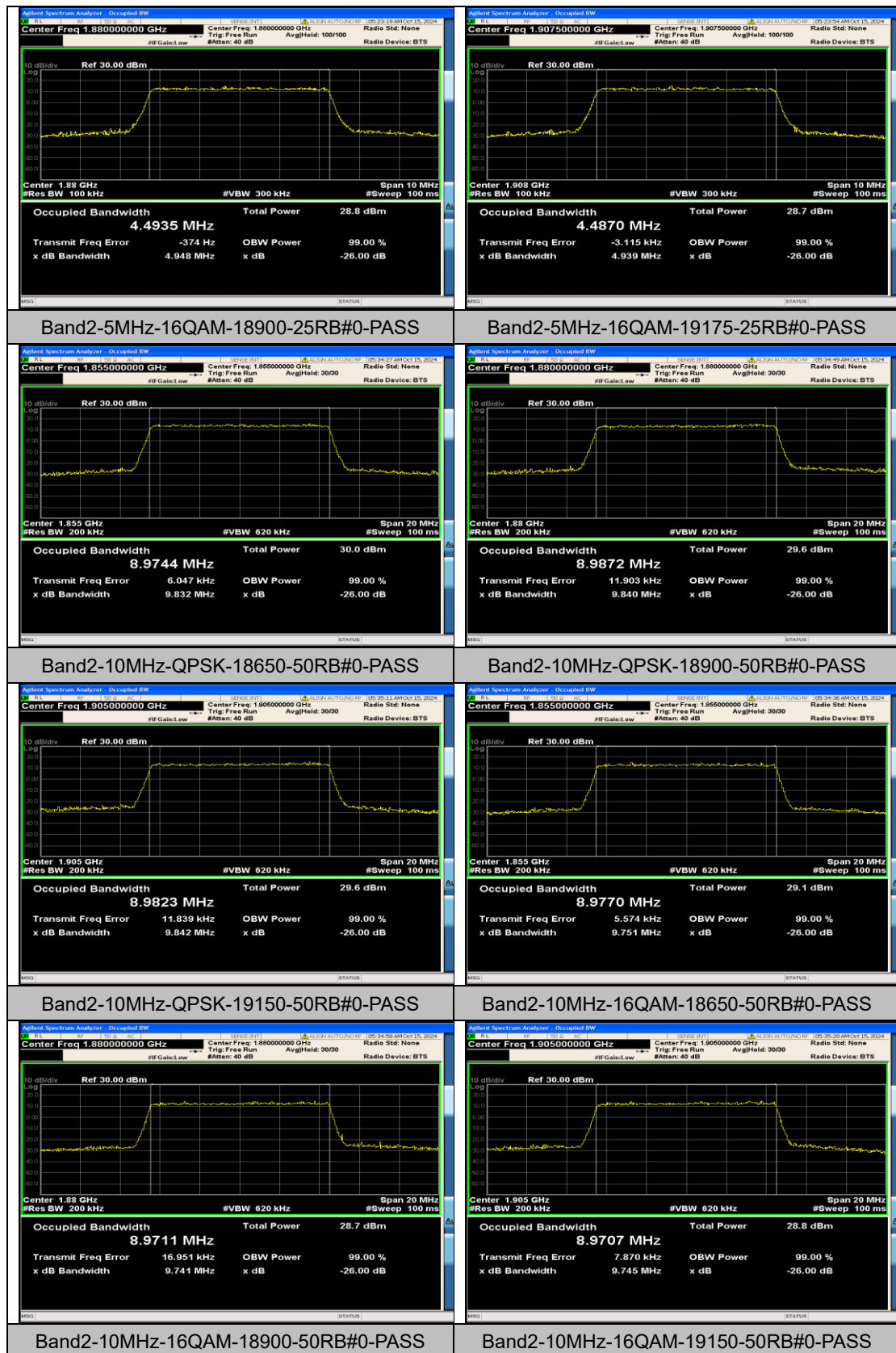
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0927	1.294	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0908	1.303	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0911	1.302	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0953	1.306	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0961	1.307	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0991	1.298	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6915	2.916	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6991	2.930	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6927	2.905	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6850	2.929	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6839	2.921	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6830	2.918	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4991	4.979	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5010	4.989	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4983	4.977	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4918	4.946	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4935	4.948	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4870	4.939	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9744	9.832	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9872	9.840	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9823	9.842	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9770	9.751	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9711	9.741	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9707	9.745	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.473	14.72	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.494	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.512	14.74	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.466	15.07	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.489	14.73	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.497	14.69	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.932	19.39	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.953	19.37	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.980	19.45	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.974	19.37	PASS

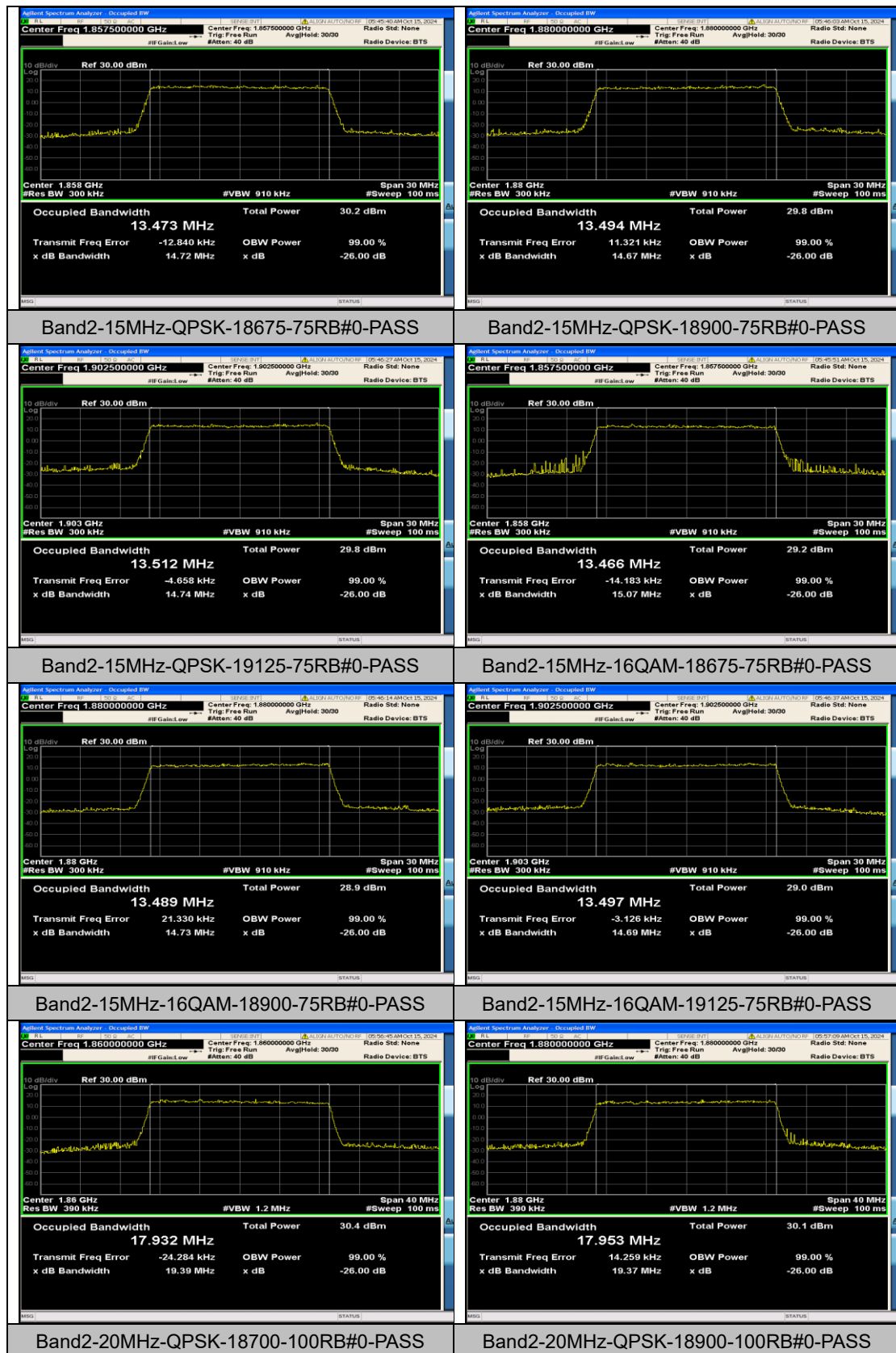
Band2	20MHz	16QAM	18900	100RB#0	17.976	19.52	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.014	19.52	PASS

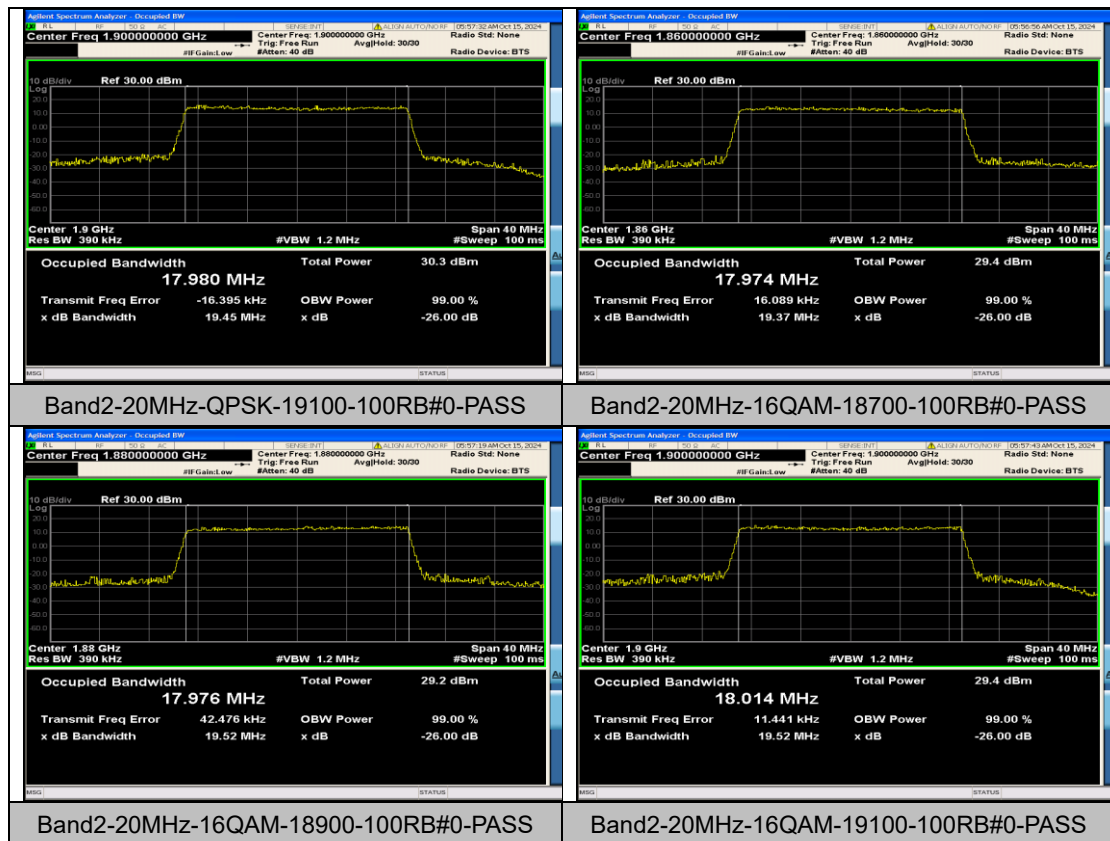
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-30.71	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-31.14	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-33.41	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-32.11	PASS
Band2	3MHz	QPSK	18615	15RB#0	-28.87	PASS
Band2	3MHz	QPSK	19185	15RB#0	-30.08	PASS
Band2	3MHz	16QAM	18615	15RB#0	-29.44	PASS
Band2	3MHz	16QAM	19185	15RB#0	-29.84	PASS
Band2	5MHz	QPSK	18625	25RB#0	-30.21	PASS
Band2	5MHz	QPSK	19175	25RB#0	-30.57	PASS
Band2	5MHz	16QAM	18625	25RB#0	-30.50	PASS
Band2	5MHz	16QAM	19175	25RB#0	-30.91	PASS
Band2	10MHz	QPSK	18650	50RB#0	-32.27	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.40	PASS
Band2	10MHz	16QAM	18650	50RB#0	-32.83	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.20	PASS
Band2	15MHz	QPSK	18675	75RB#0	-33.38	PASS
Band2	15MHz	QPSK	19125	75RB#0	-31.36	PASS
Band2	15MHz	16QAM	18675	75RB#0	-34.03	PASS
Band2	15MHz	16QAM	19125	75RB#0	-32.64	PASS
Band2	20MHz	QPSK	18700	100RB#0	-34.45	PASS
Band2	20MHz	QPSK	19100	100RB#0	-32.55	PASS
Band2	20MHz	16QAM	18700	100RB#0	-34.79	PASS
Band2	20MHz	16QAM	19100	100RB#0	-33.58	PASS

Test Graphs

