

FCC LTE Band Test Data

FCC ID : **2BG6D-SDM660**

Company: : **Dongguan Yigaoxin Electronic Technology Co., Ltd.**

EUT : **Wireless Carplay Box**

Model Number : **SDM660**

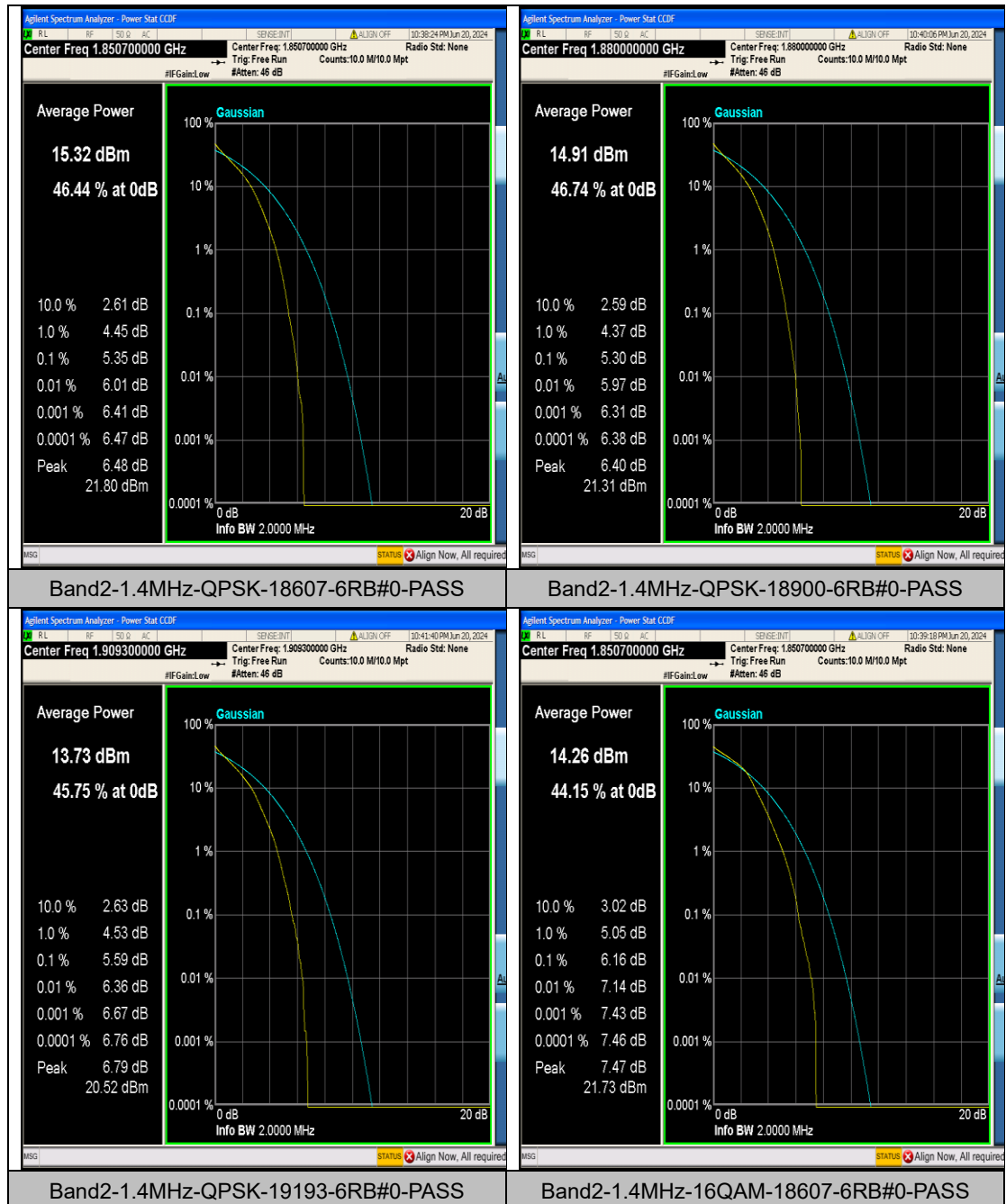
Reviewed By : **Eric Wang**

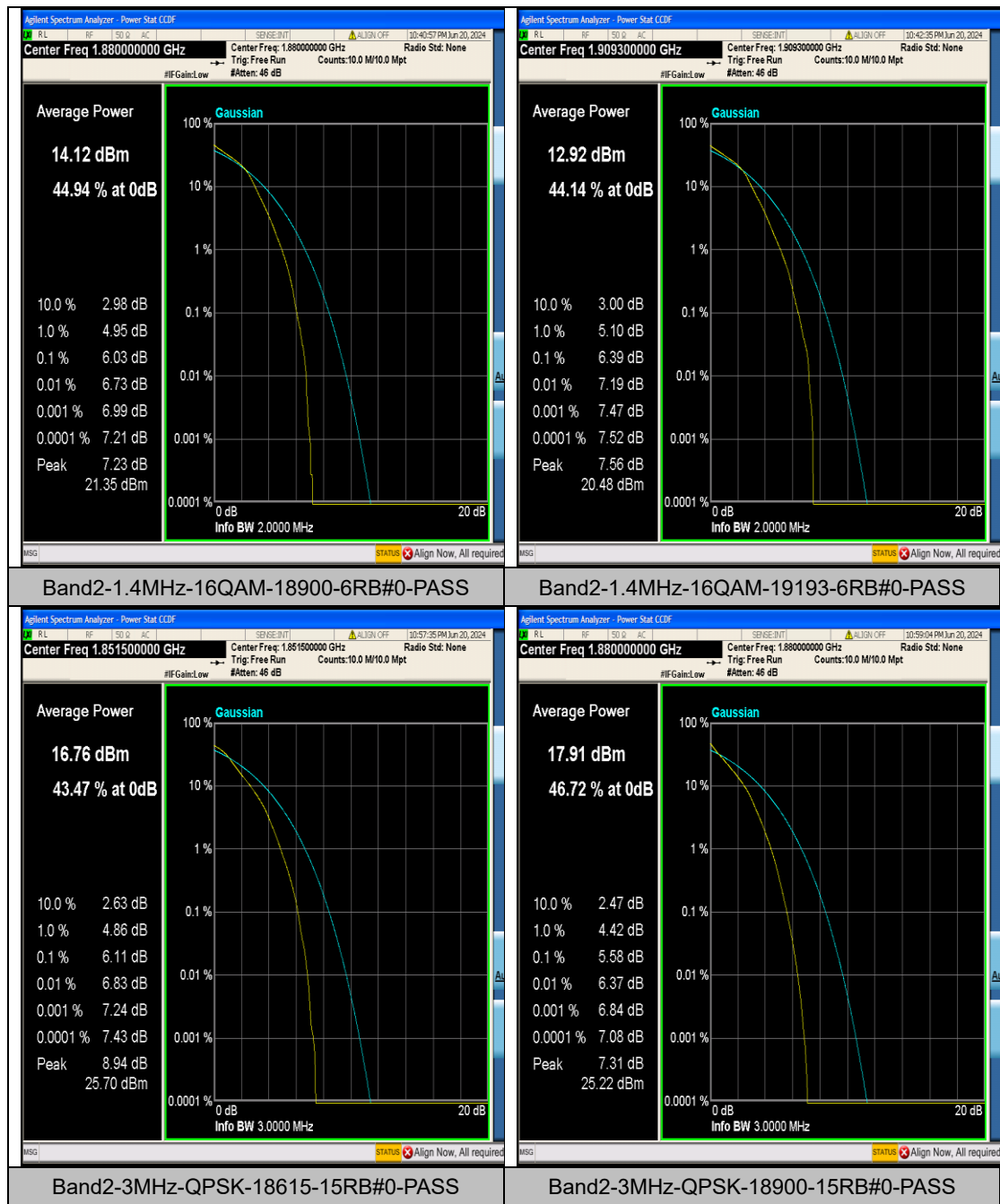
Appendix B: Peak-to-Average Ratio(CCDF)

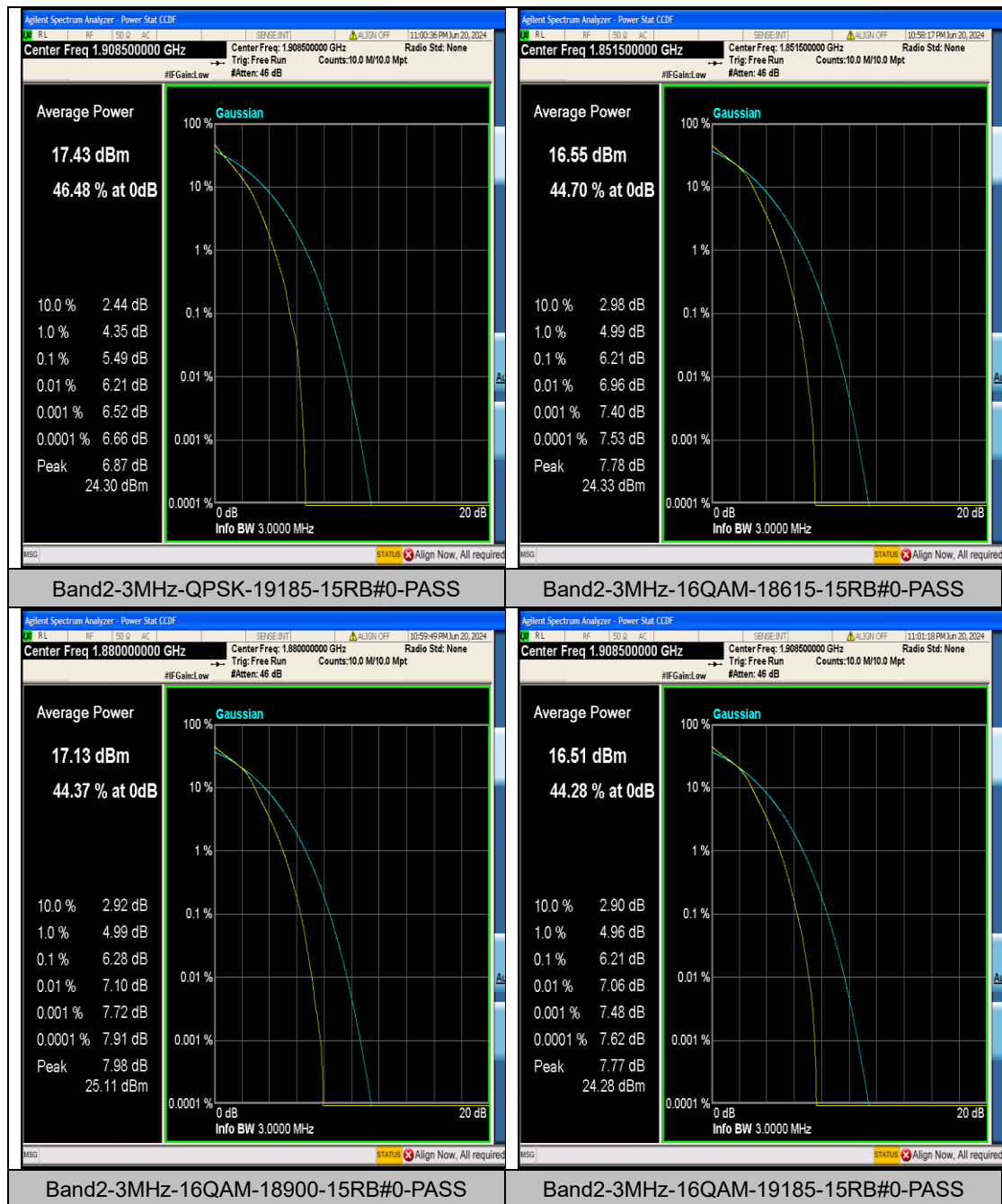
Test Result

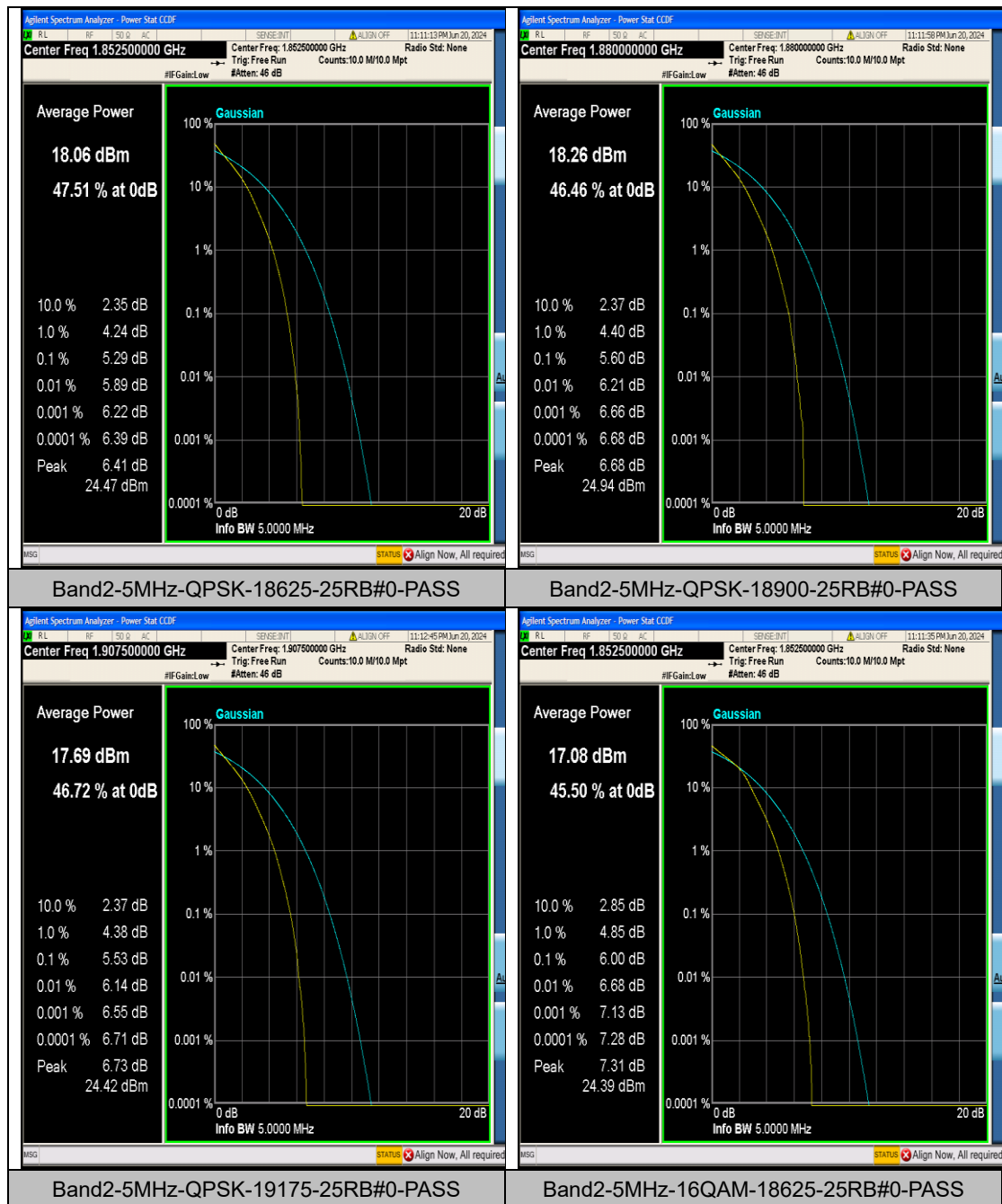
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.35	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.30	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.59	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.16	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.03	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.39	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	6.11	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.58	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.49	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.21	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.28	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.21	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.29	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.60	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.53	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.00	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.22	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.17	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.33	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.51	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.49	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.09	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.25	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.25	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.62	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.70	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.73	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.15	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.26	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.24	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.29	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.35	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.38	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.17	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.18	13	PASS

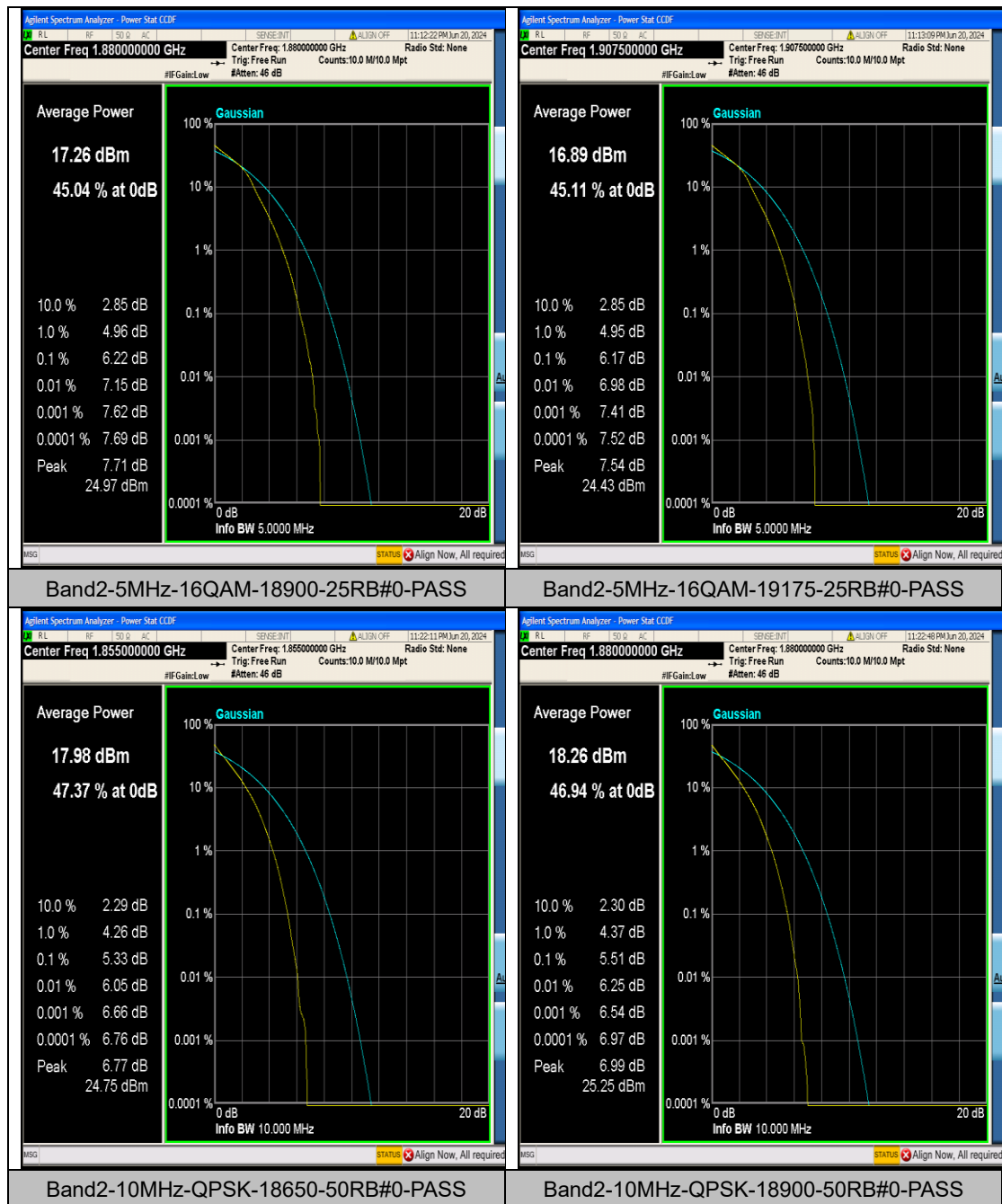
Test Graphs

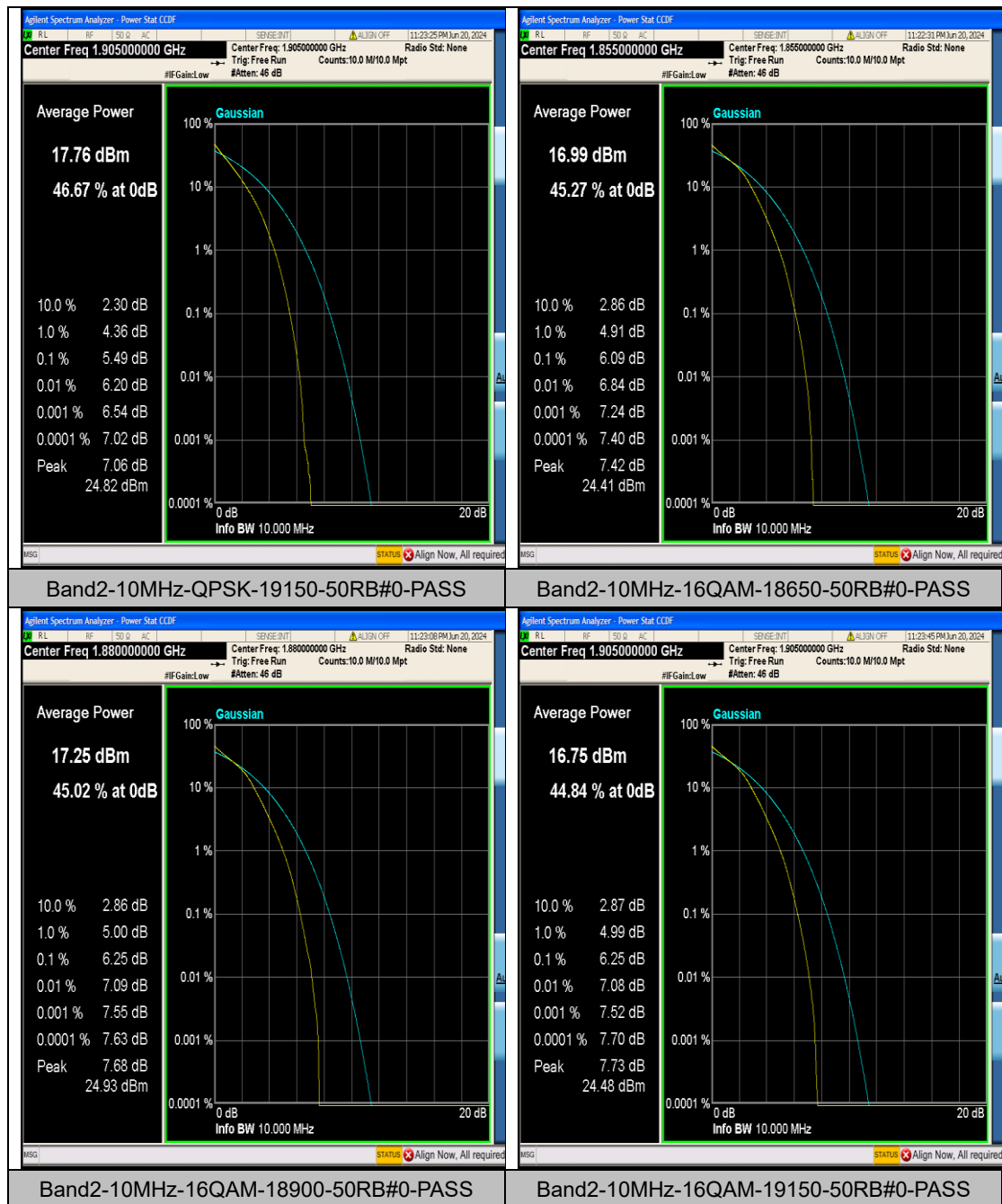


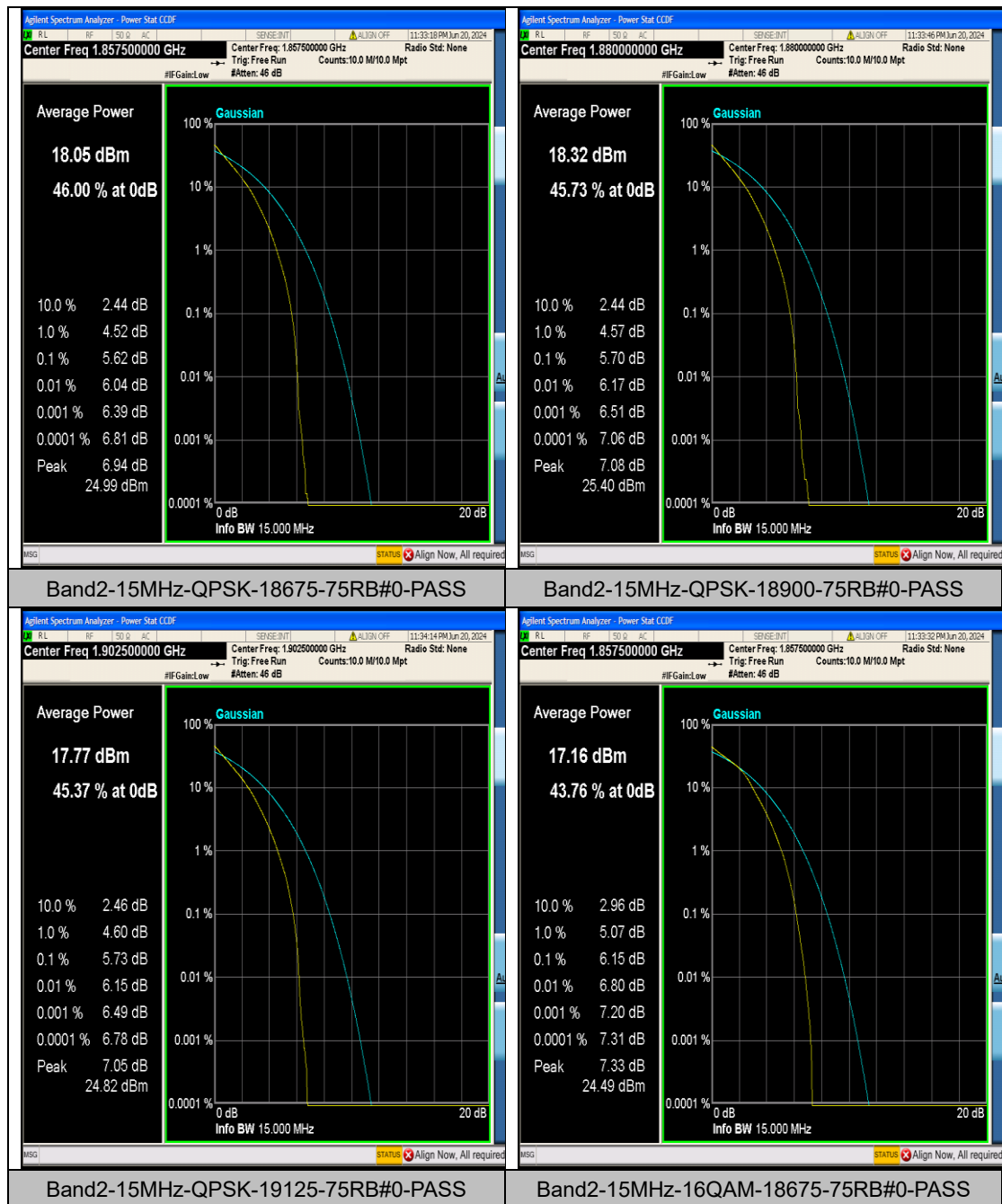


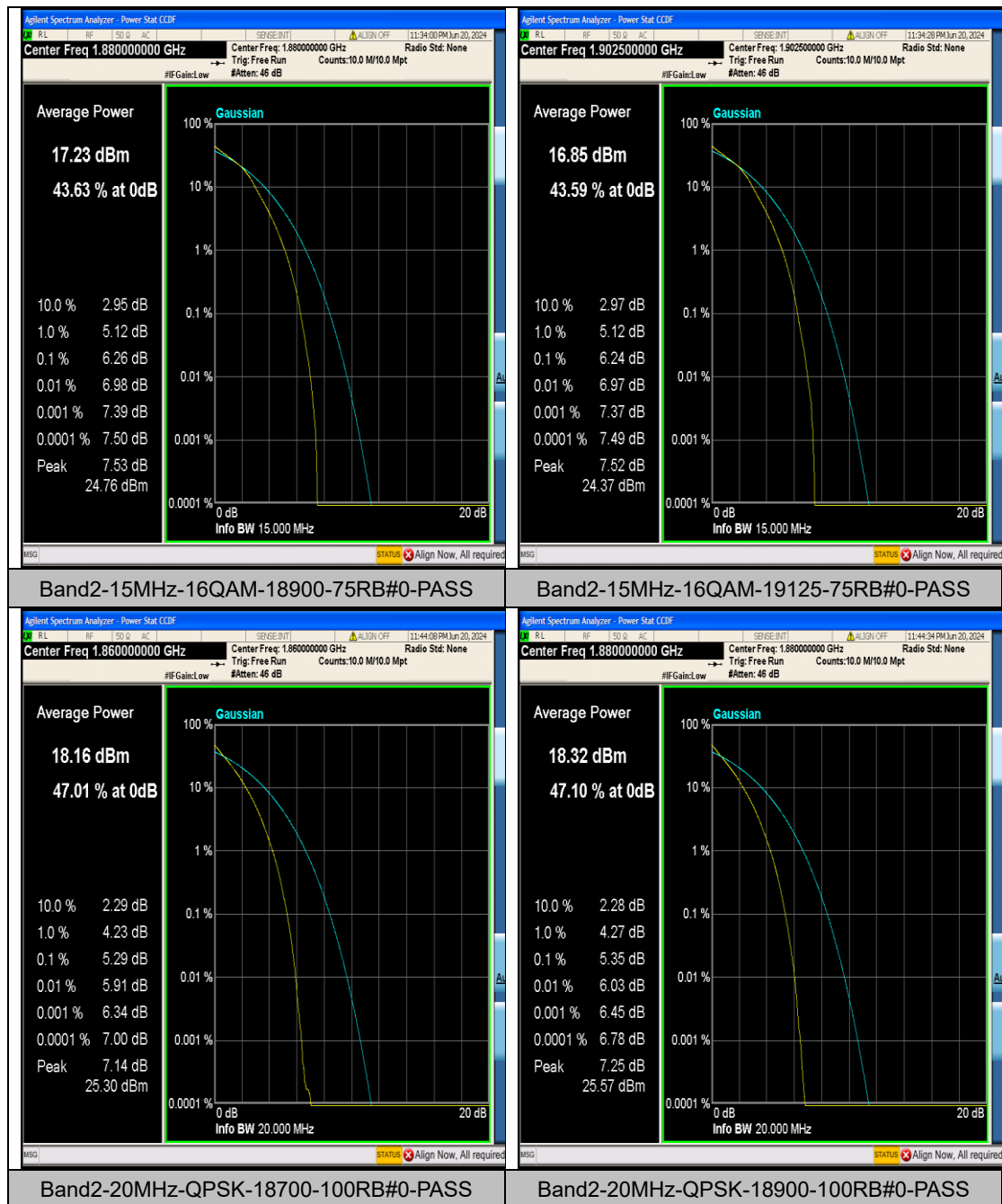


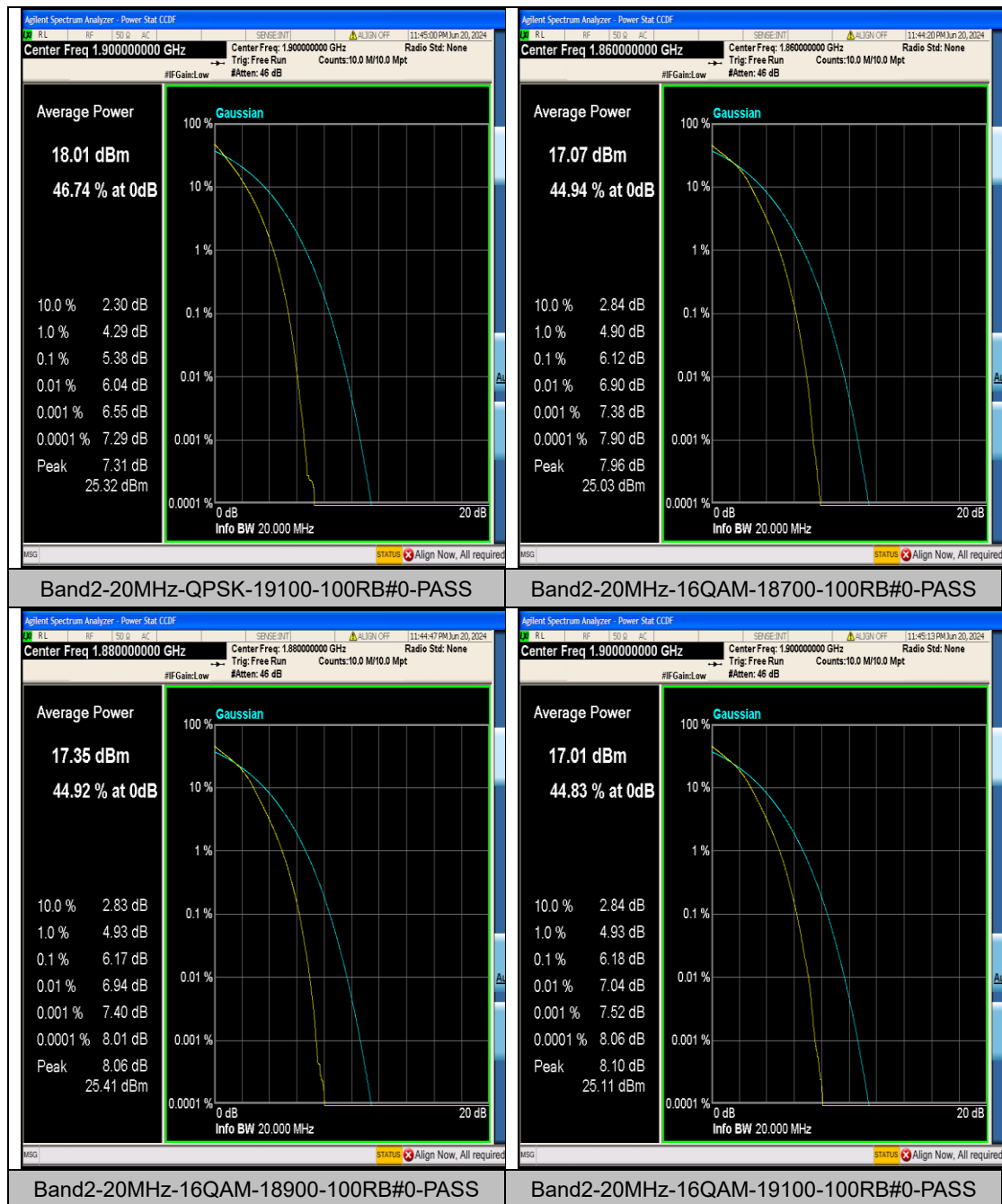












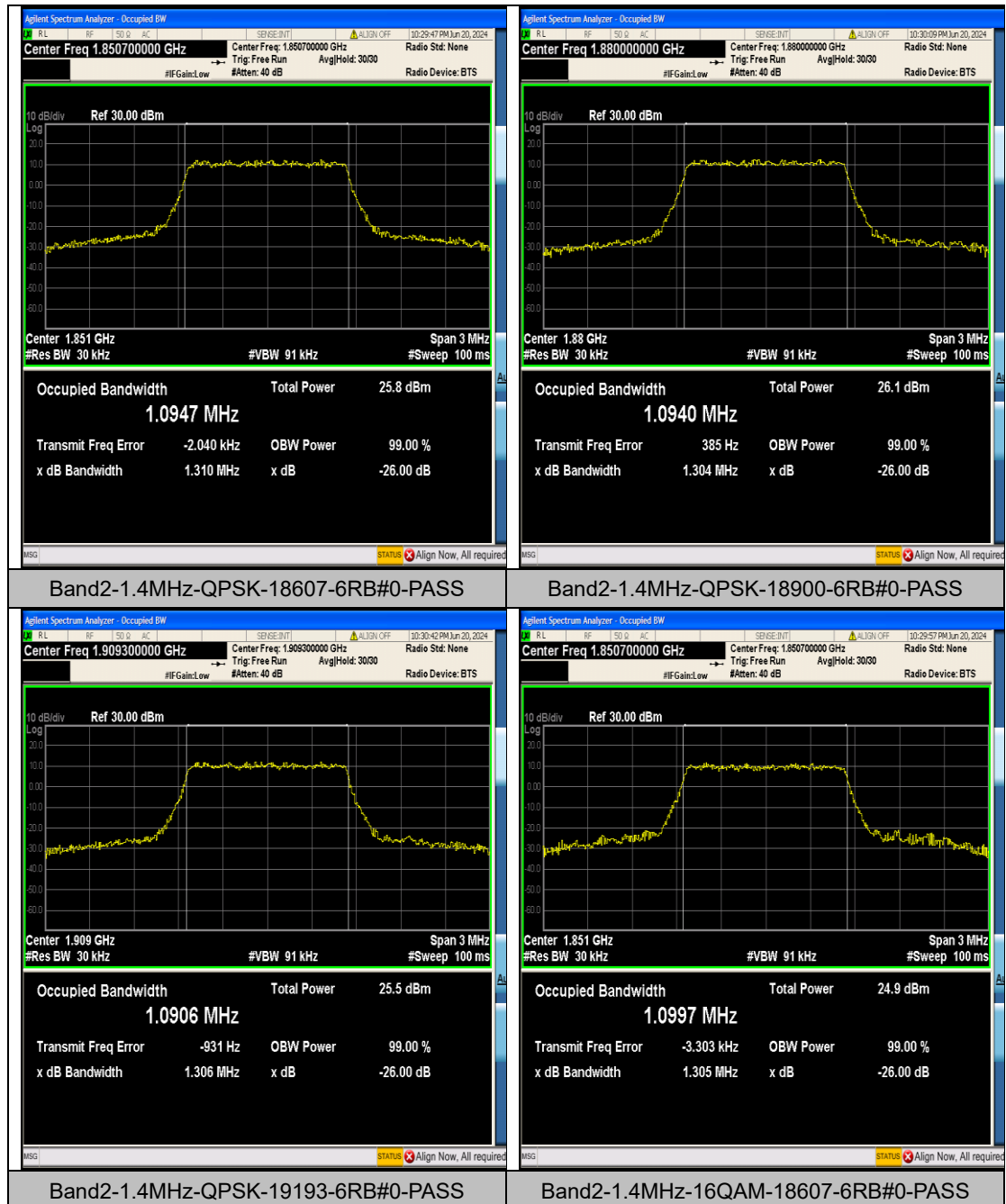
Appendix C: 26dB Bandwidth and Occupied Bandwidth

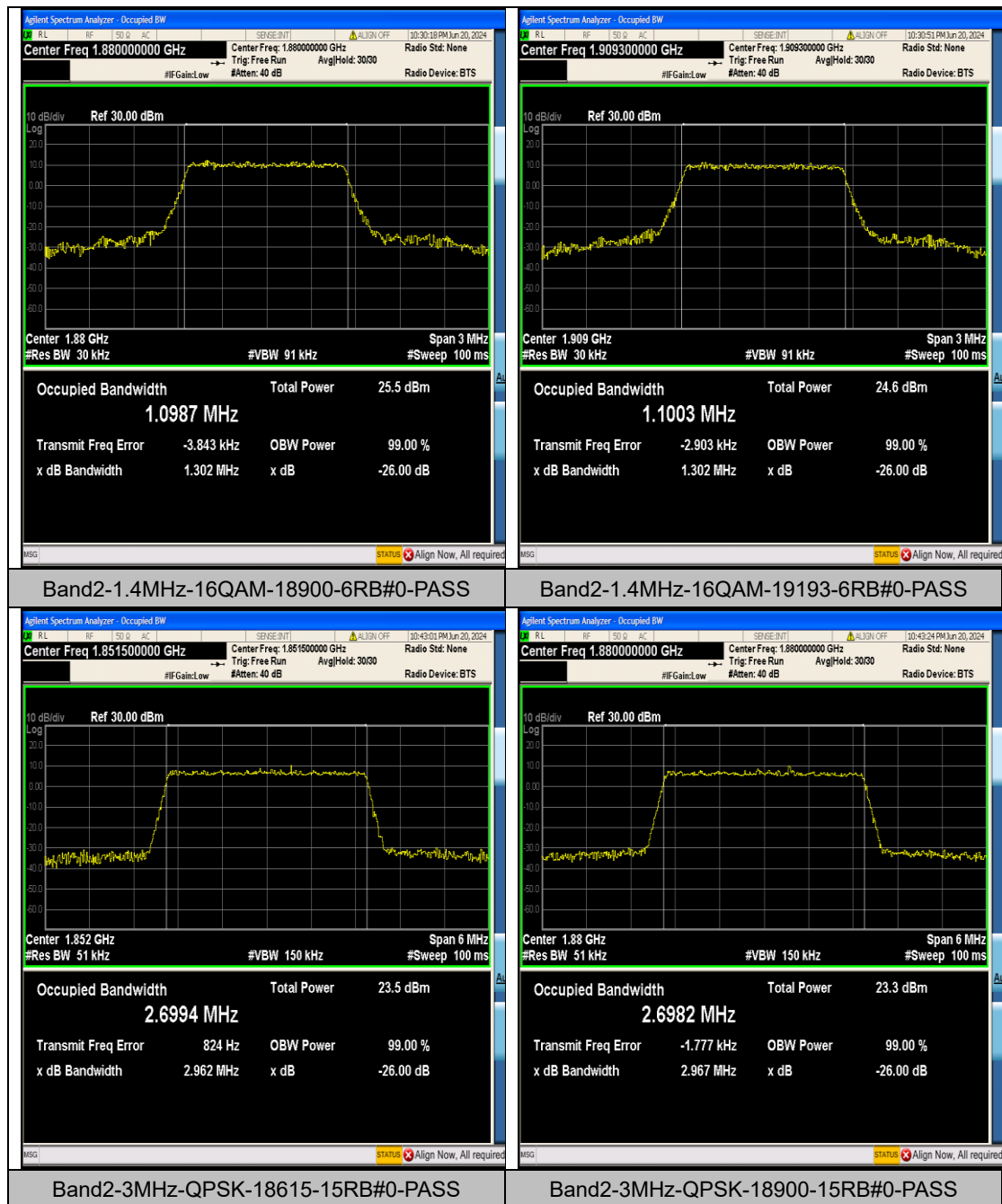
Test Result

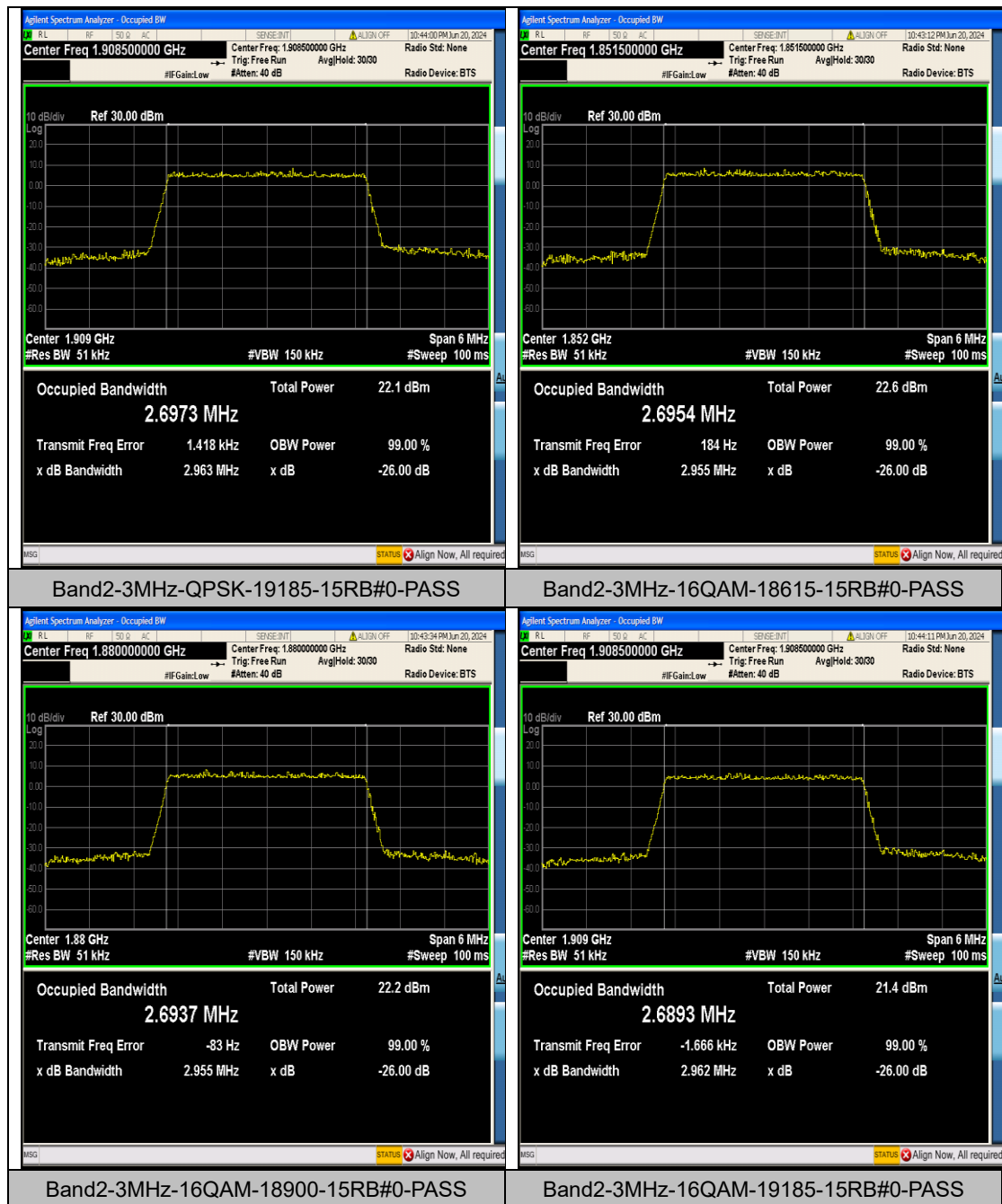
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0947	1.310	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0940	1.304	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0906	1.306	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0997	1.305	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0987	1.302	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1003	1.302	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6994	2.962	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6982	2.967	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6973	2.963	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6954	2.955	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6937	2.955	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6893	2.962	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5030	5.021	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5052	5.002	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5050	5.003	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4967	4.958	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4954	4.982	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4987	4.965	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9726	9.923	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9808	9.933	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9795	9.928	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9813	9.856	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9661	9.874	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9618	9.832	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.75	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.444	14.82	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.453	14.72	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.435	14.69	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.432	14.68	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.448	14.65	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.890	19.42	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.932	19.47	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.925	19.43	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.900	19.51	PASS

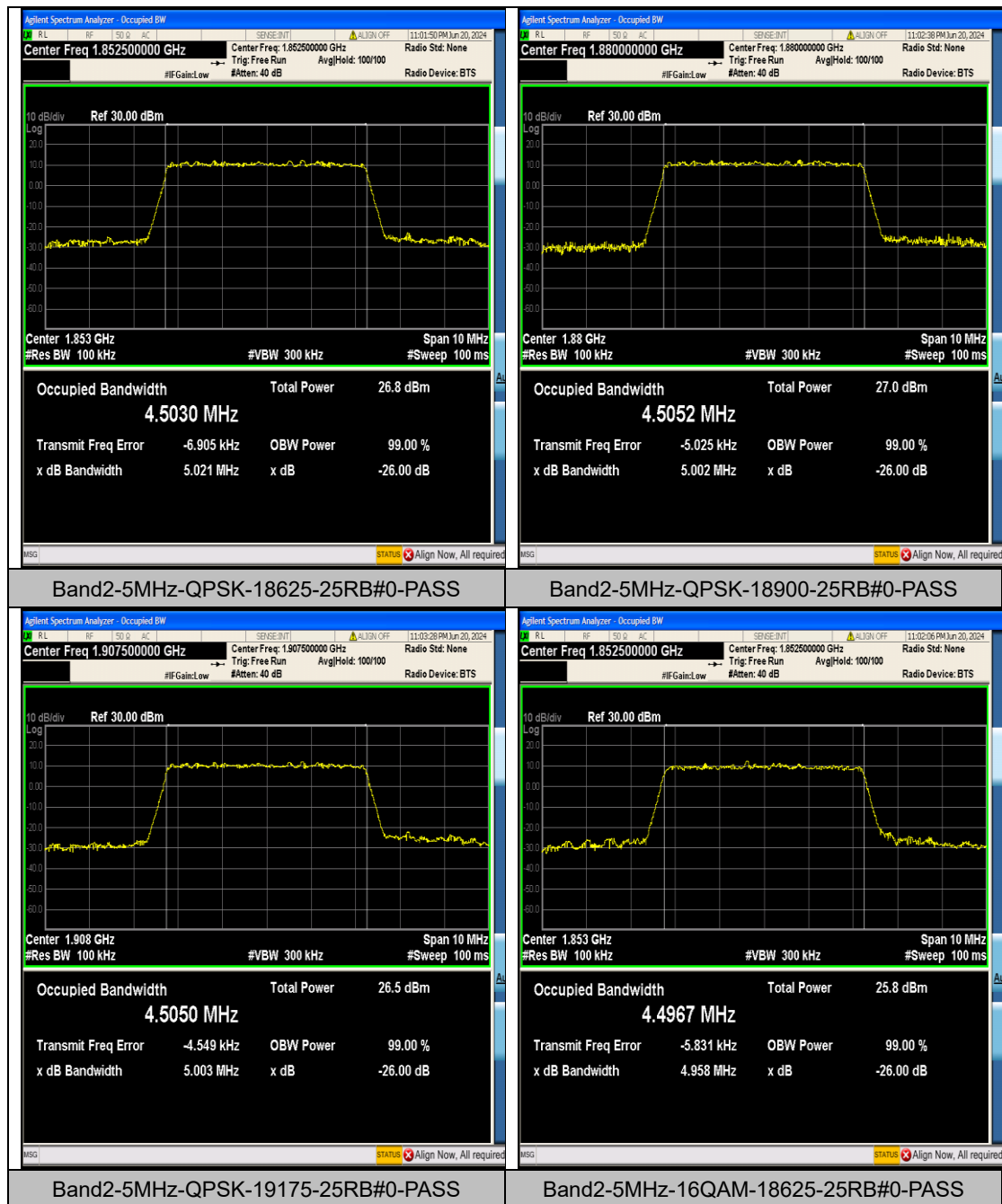
Band2	20MHz	16QAM	18900	100RB#0	17.957	19.40	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.006	19.52	PASS

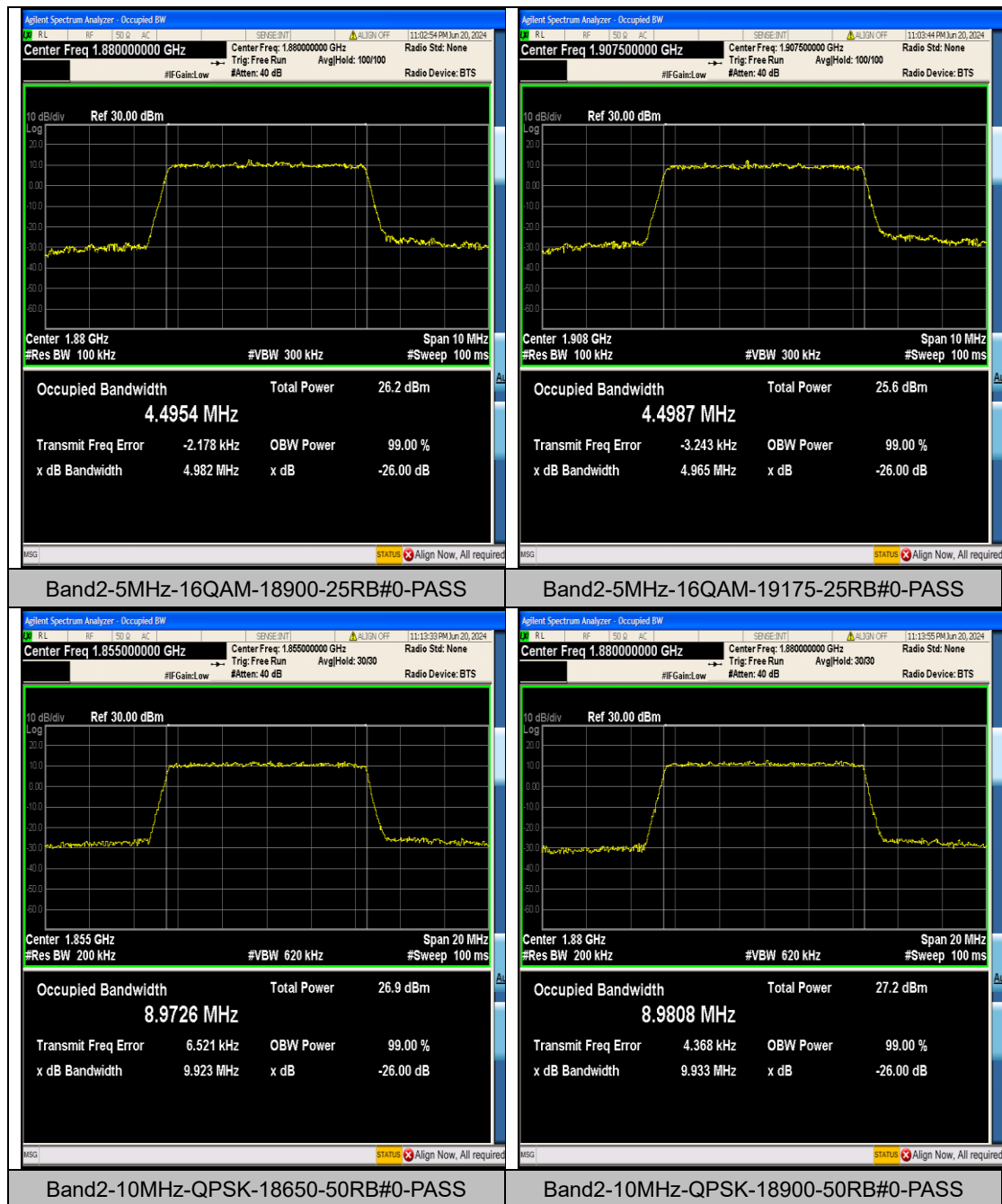
Test Graphs

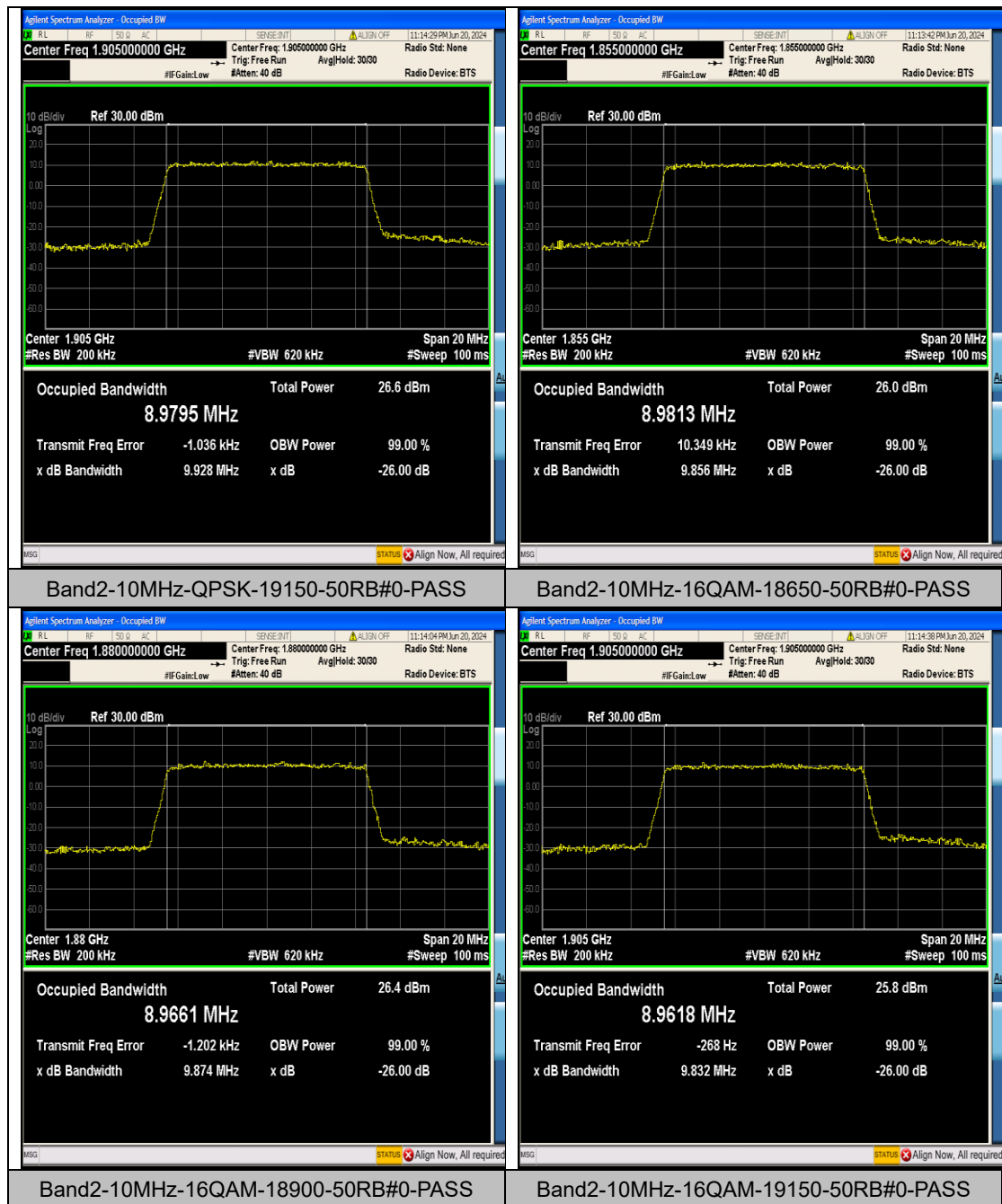


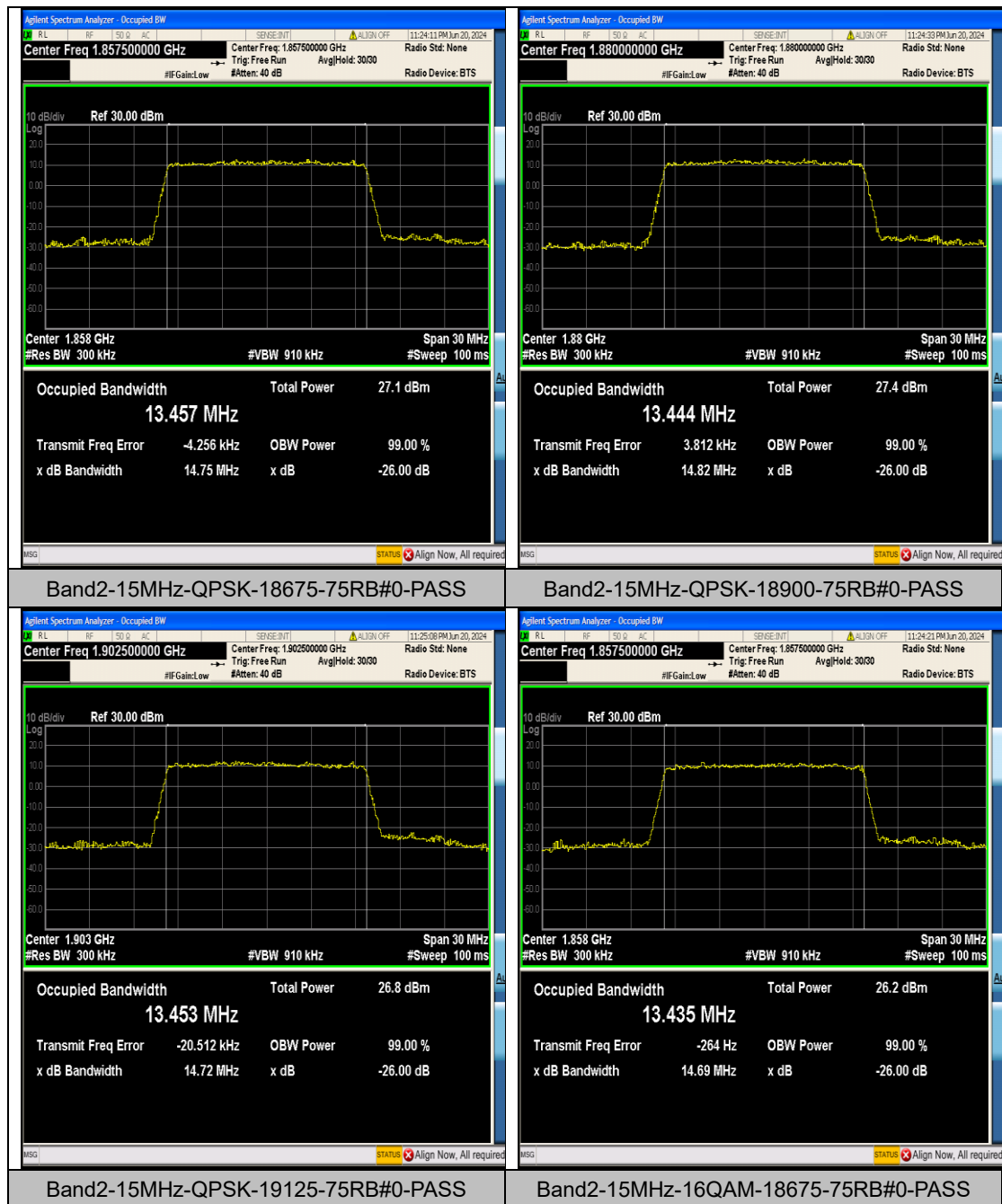


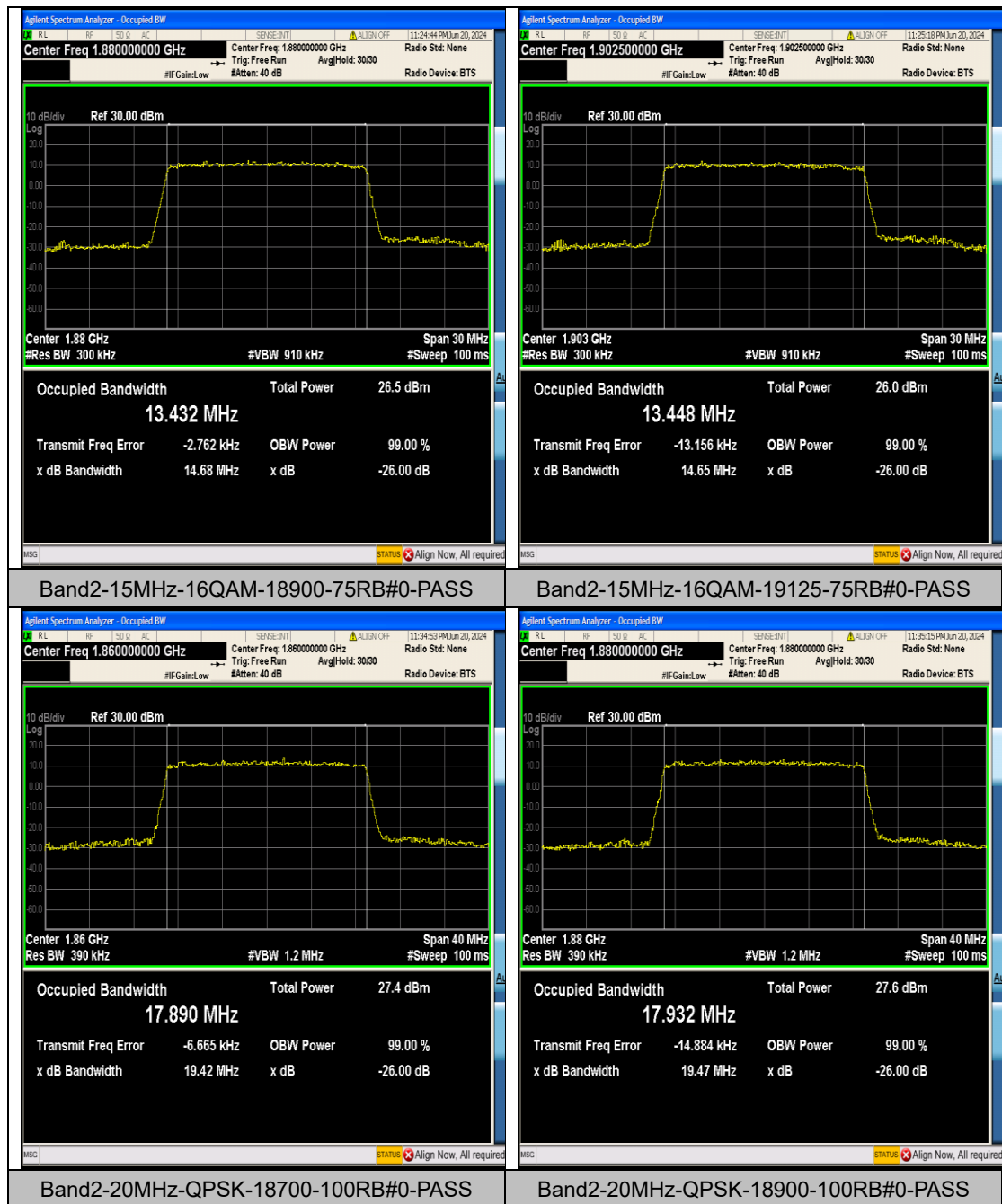


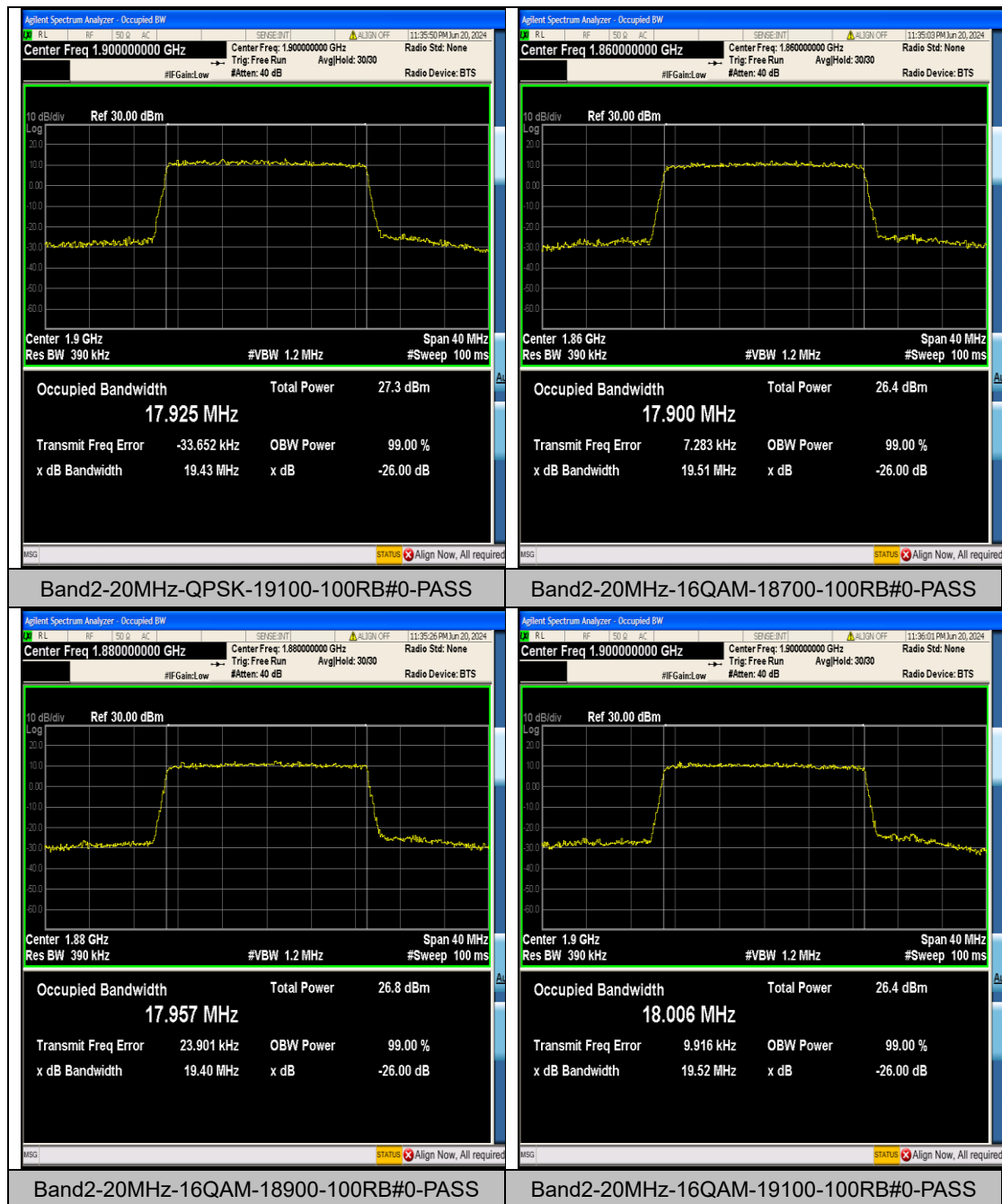












Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-28.60	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-31.82	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-34.80	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-32.49	PASS
Band2	3MHz	QPSK	18615	15RB#0	-37.64	PASS
Band2	3MHz	QPSK	19185	15RB#0	-31.93	PASS
Band2	3MHz	16QAM	18615	15RB#0	-37.02	PASS
Band2	3MHz	16QAM	19185	15RB#0	-32.38	PASS
Band2	5MHz	QPSK	18625	25RB#0	-35.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	-29.27	PASS
Band2	5MHz	16QAM	18625	25RB#0	-35.61	PASS
Band2	5MHz	16QAM	19175	25RB#0	-30.37	PASS
Band2	10MHz	QPSK	18650	50RB#0	-36.73	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.50	PASS
Band2	10MHz	16QAM	18650	50RB#0	-37.70	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.73	PASS
Band2	15MHz	QPSK	18675	75RB#0	-36.18	PASS
Band2	15MHz	QPSK	19125	75RB#0	-31.96	PASS
Band2	15MHz	16QAM	18675	75RB#0	-37.53	PASS
Band2	15MHz	16QAM	19125	75RB#0	-33.30	PASS
Band2	20MHz	QPSK	18700	100RB#0	-38.75	PASS
Band2	20MHz	QPSK	19100	100RB#0	-33.36	PASS
Band2	20MHz	16QAM	18700	100RB#0	-38.30	PASS
Band2	20MHz	16QAM	19100	100RB#0	-34.48	PASS

Test Graphs

