

FCC LTE Band Test Data

FCC ID : 2BG6D-SDM660

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

EUT : Wireless Carplay Box

Model Number : SDM660

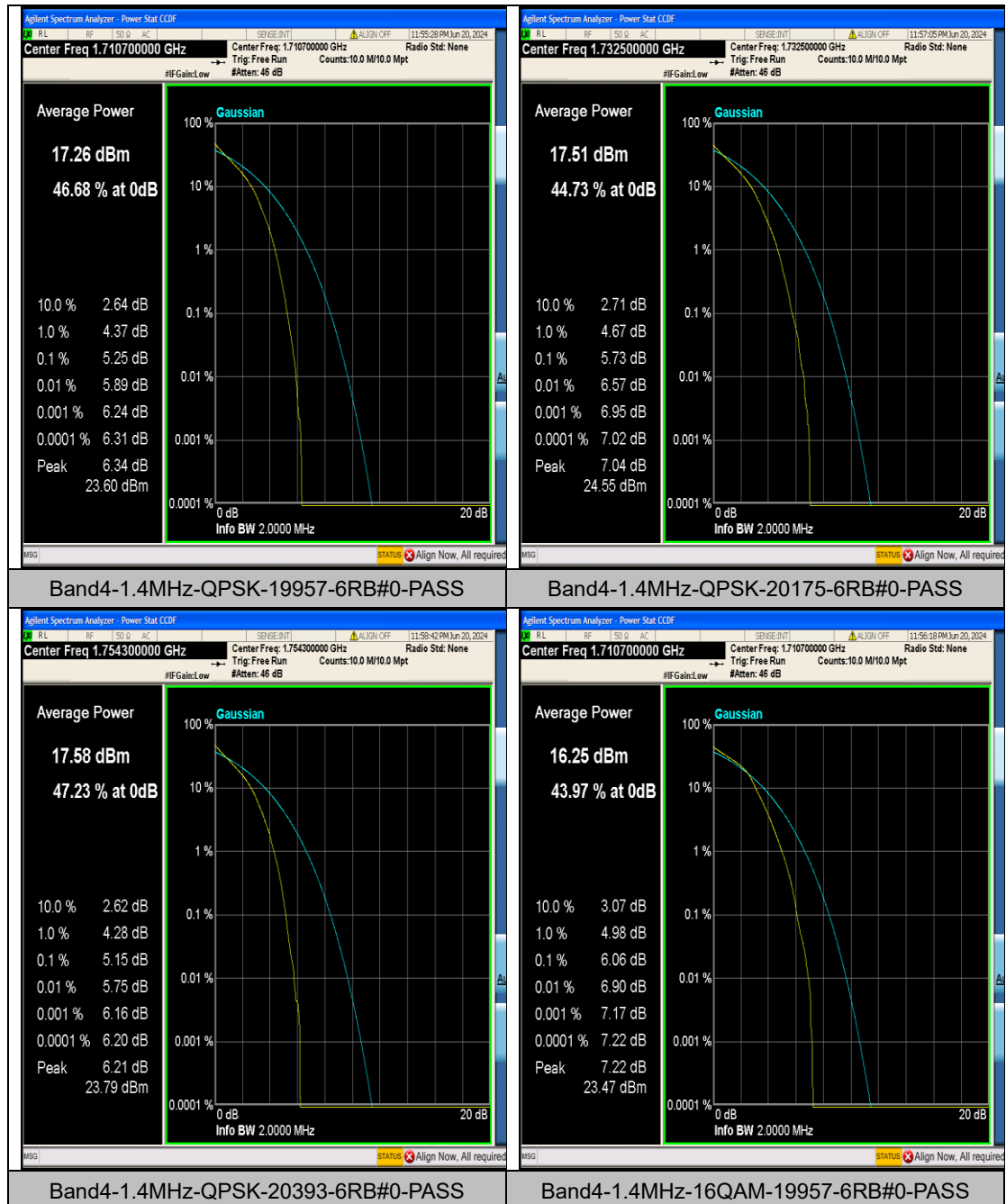
Reviewed By : Eric Wang

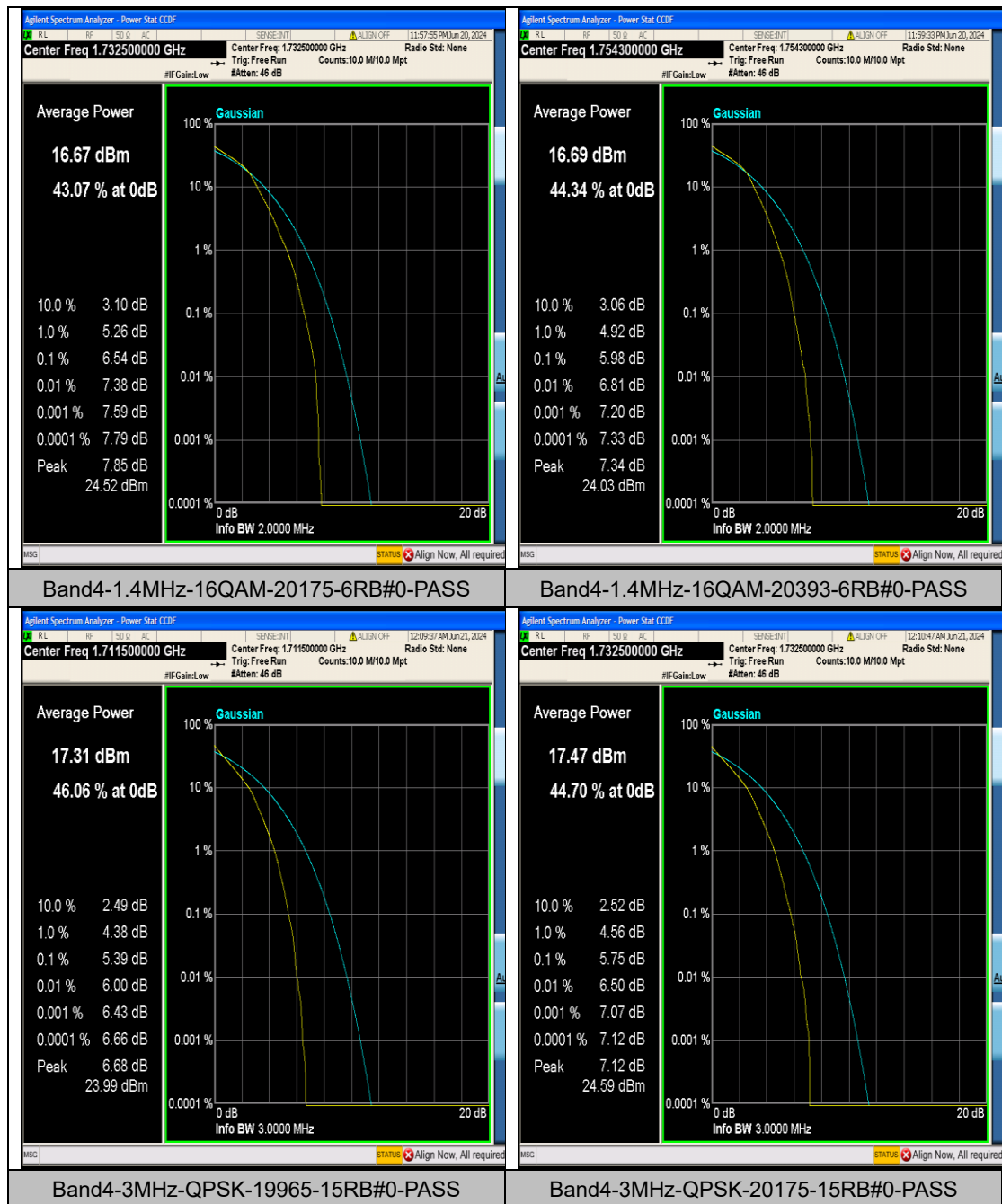
Appendix B: Peak-to-Average Ratio(CCDF)

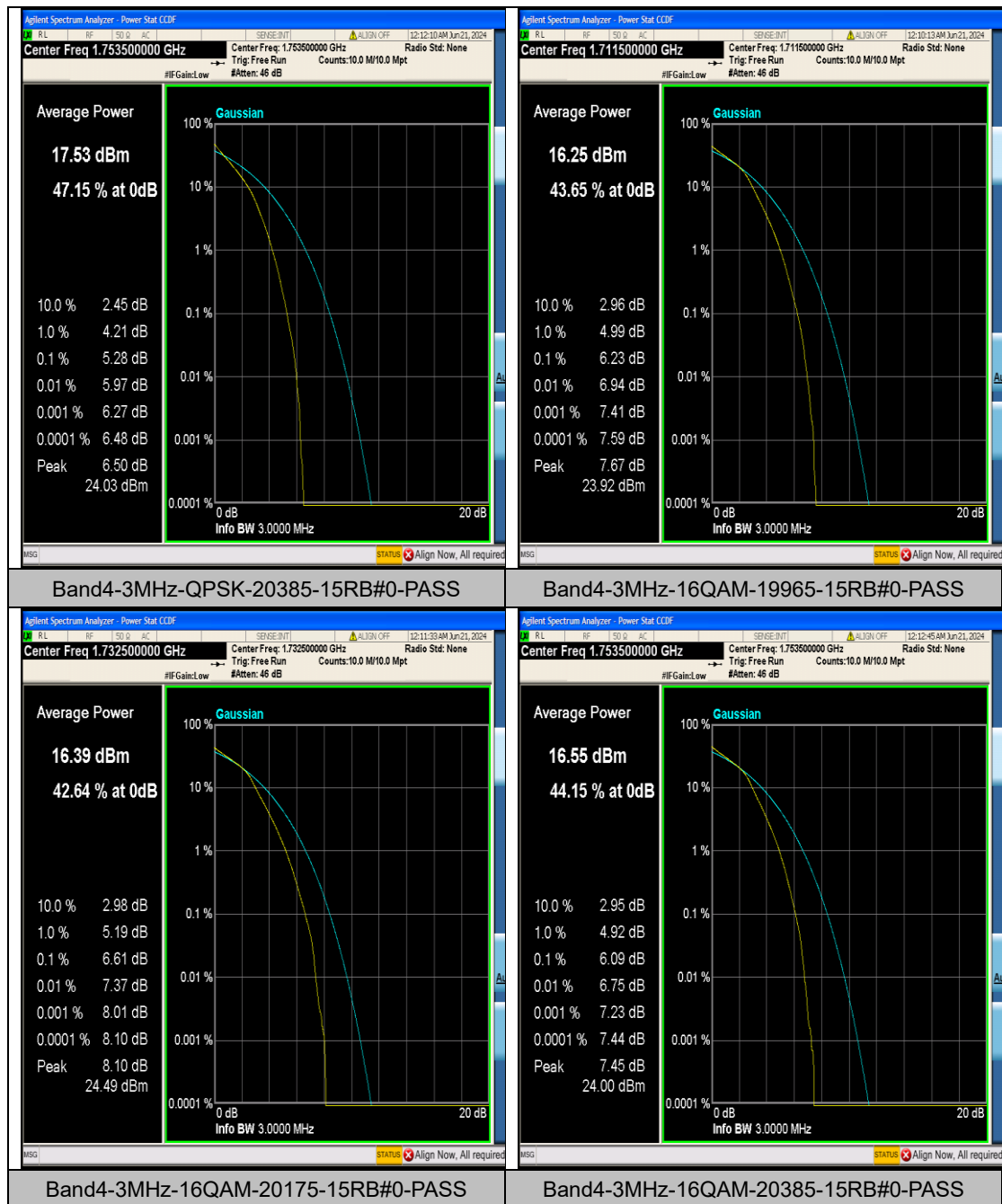
Test Result

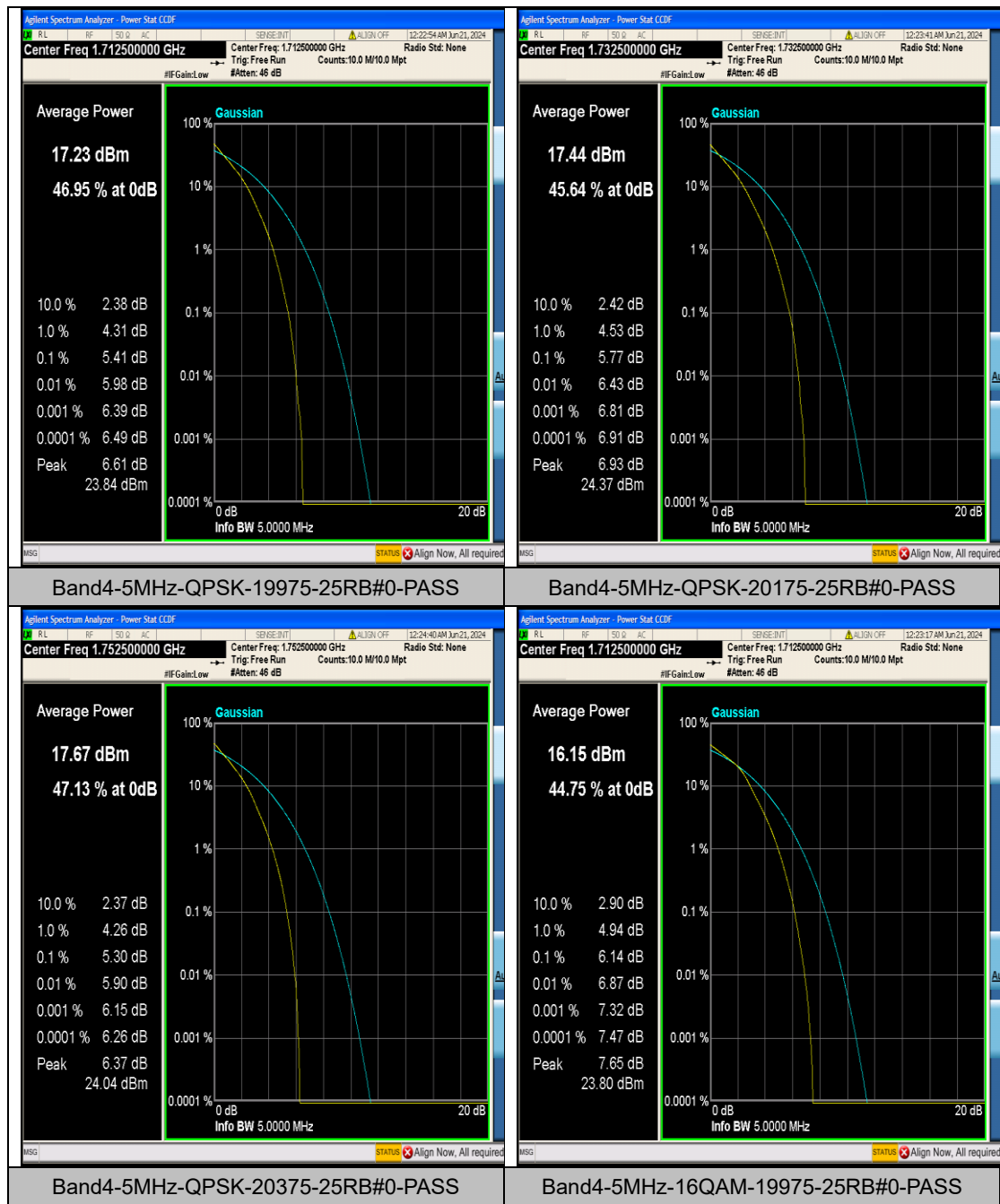
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.25	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.73	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.15	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.06	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.54	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.98	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.39	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.75	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.28	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.23	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.61	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.09	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.41	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.77	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.30	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.47	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.03	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.27	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.62	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.19	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.08	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.42	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.00	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.65	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.88	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.38	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.21	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.42	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.00	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.34	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.52	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.15	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.20	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.36	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.99	13	PASS

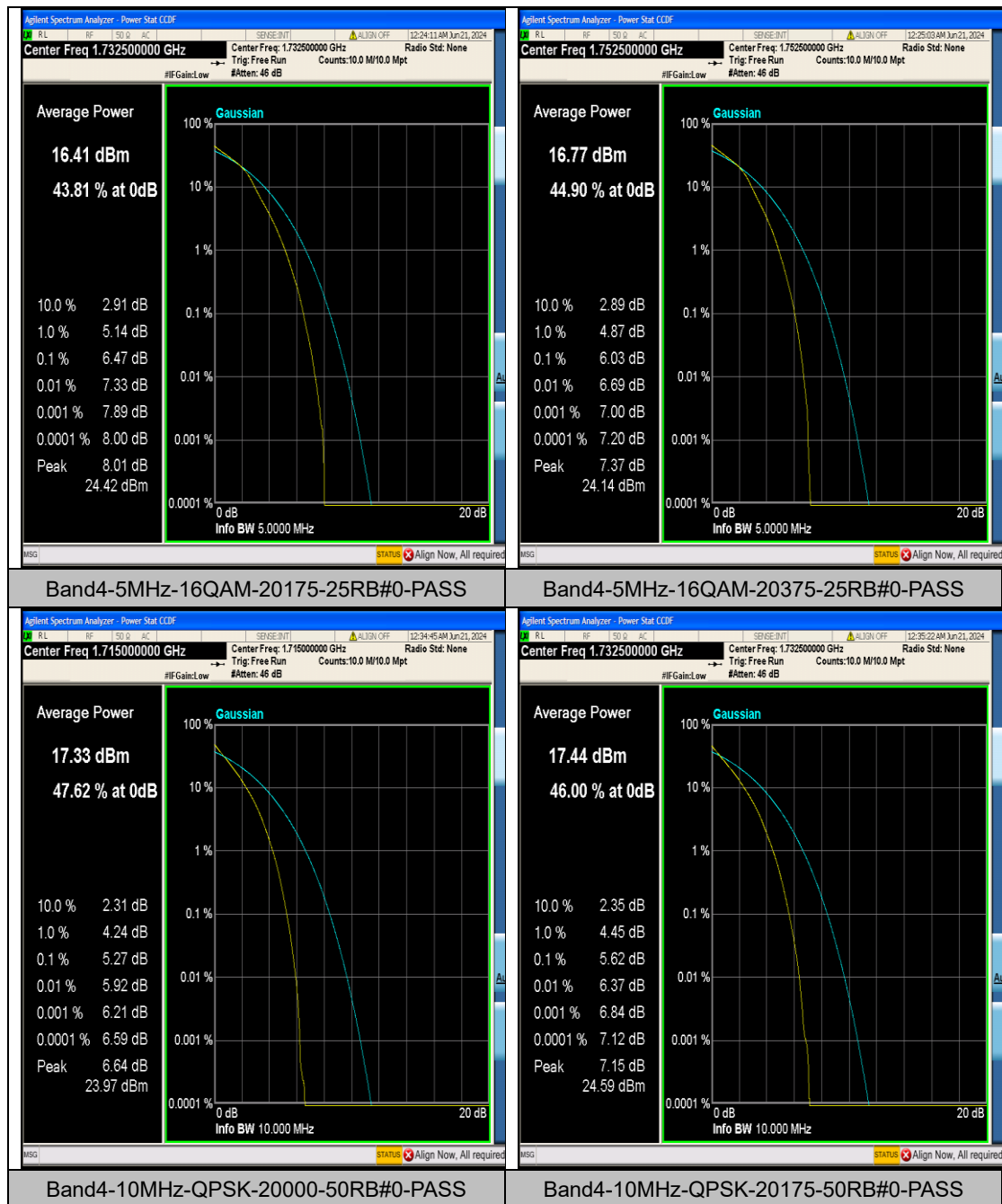
Test Graphs

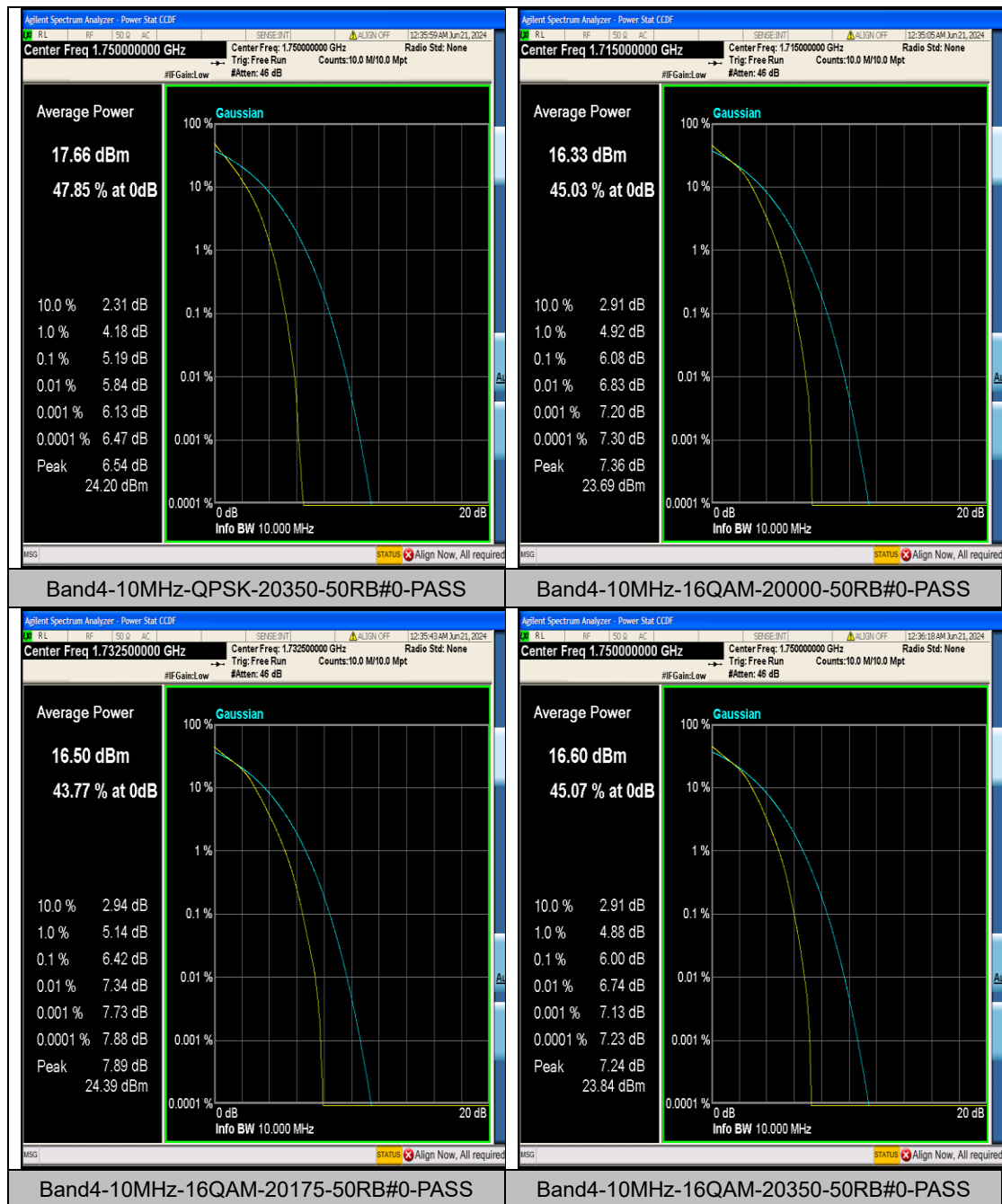


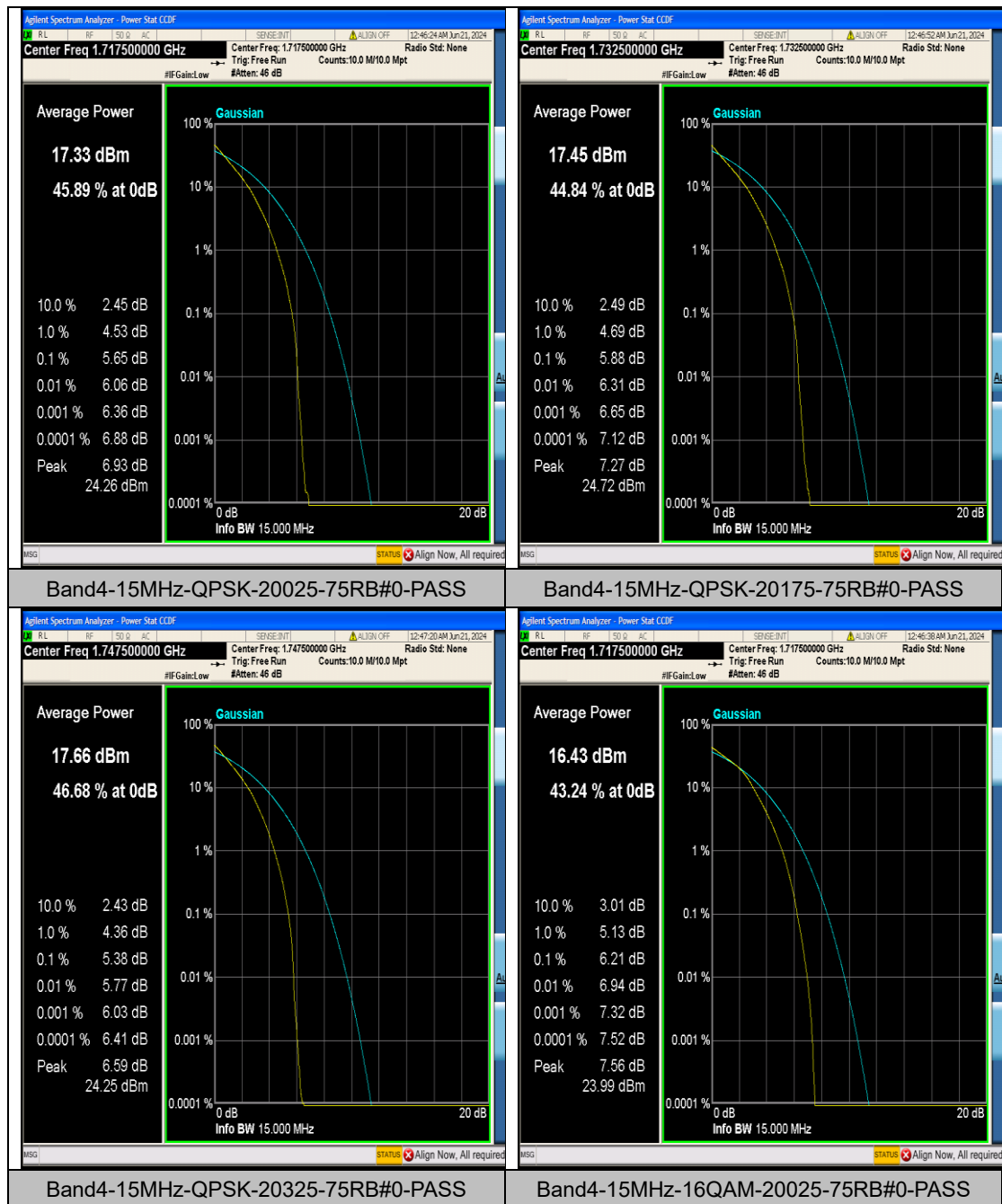


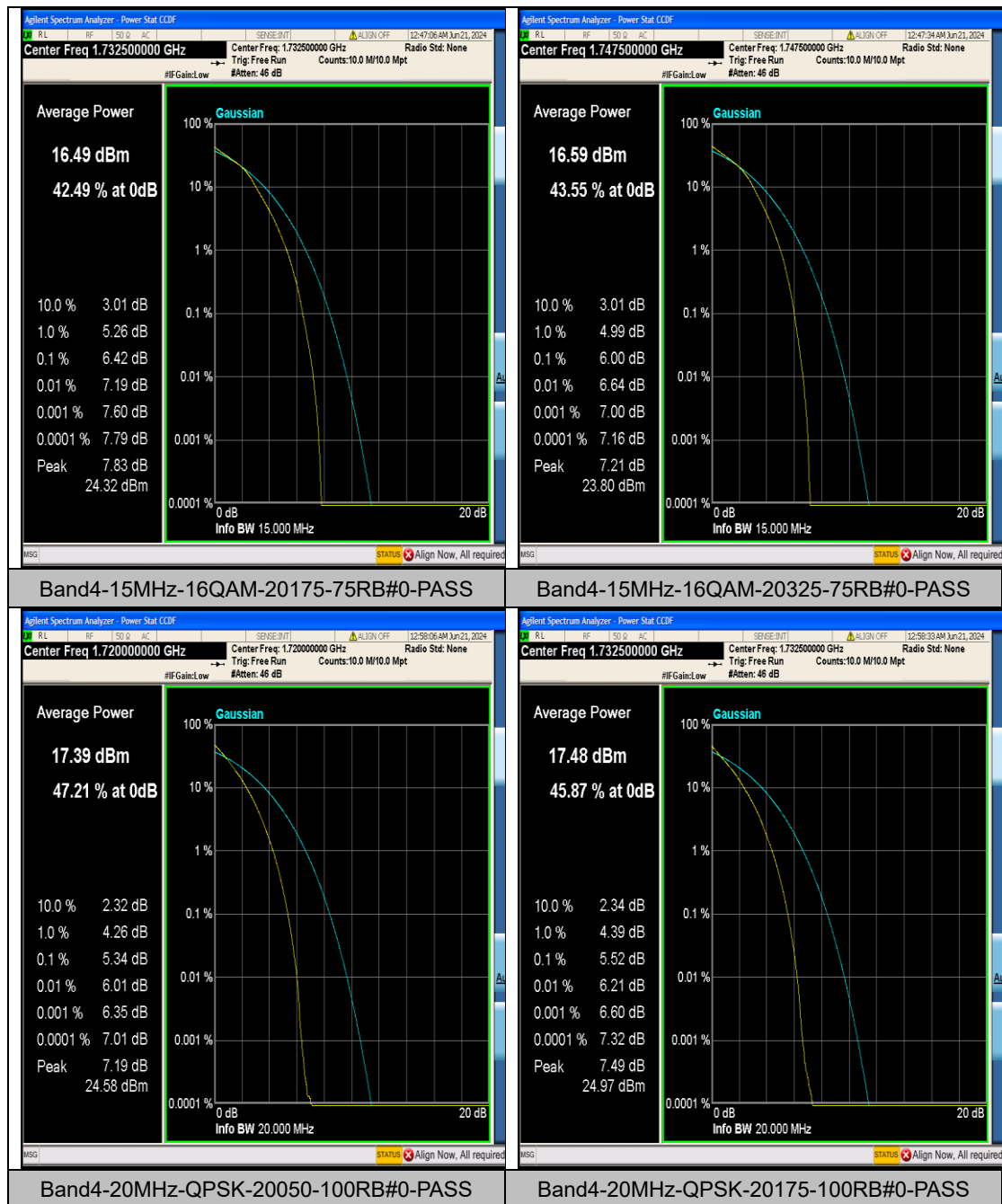


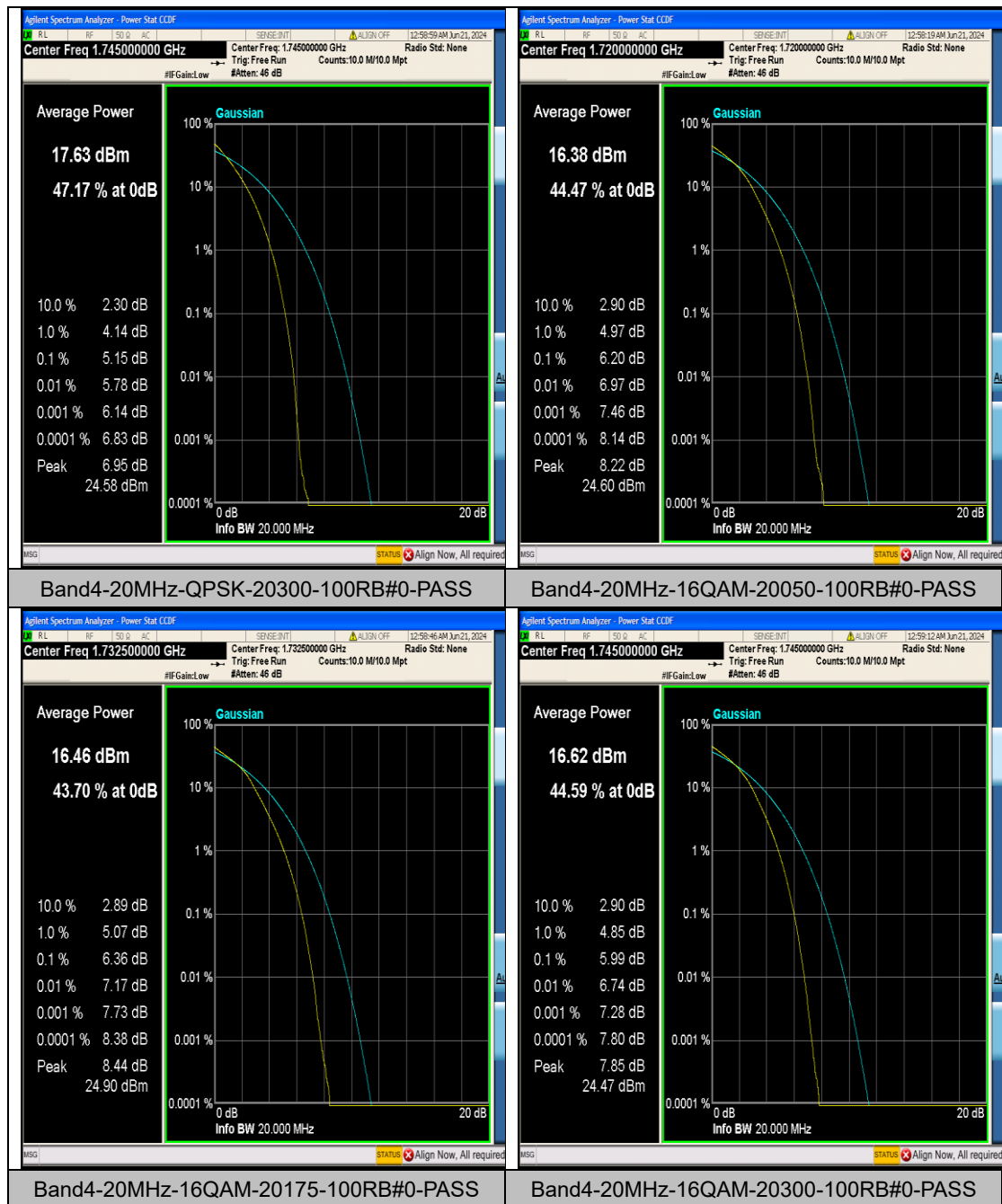












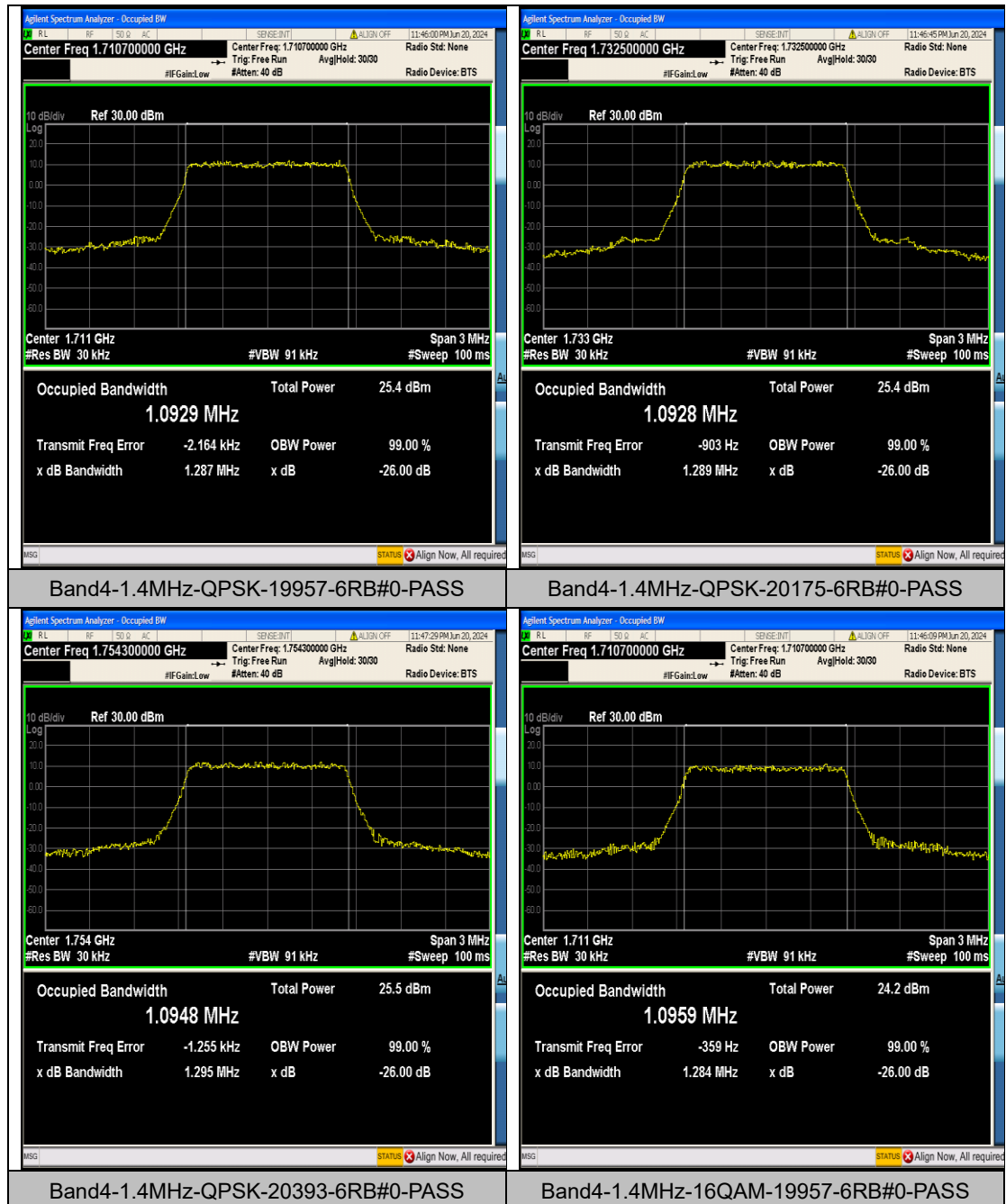
Appendix C: 26dB Bandwidth and Occupied Bandwidth

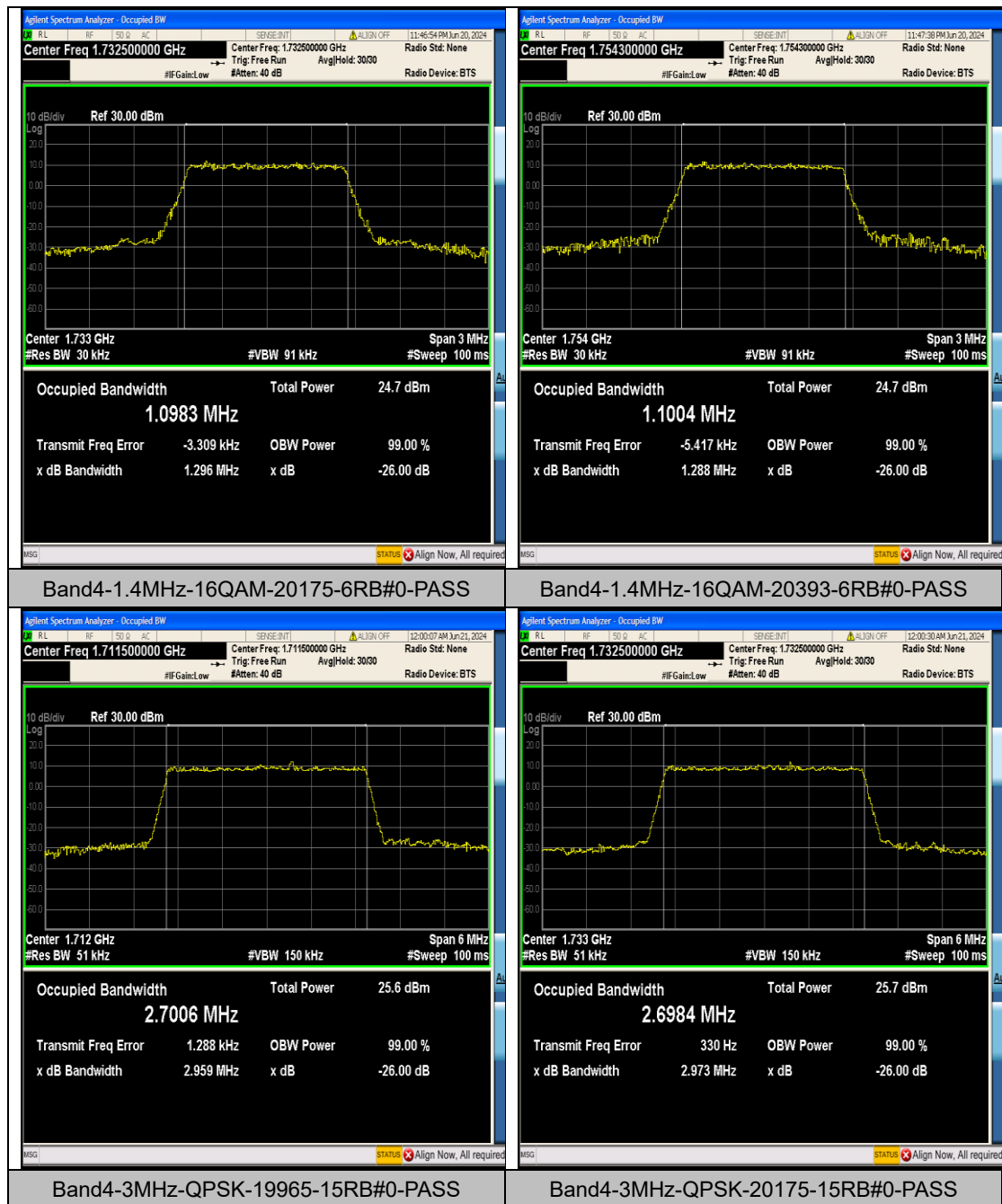
Test Result

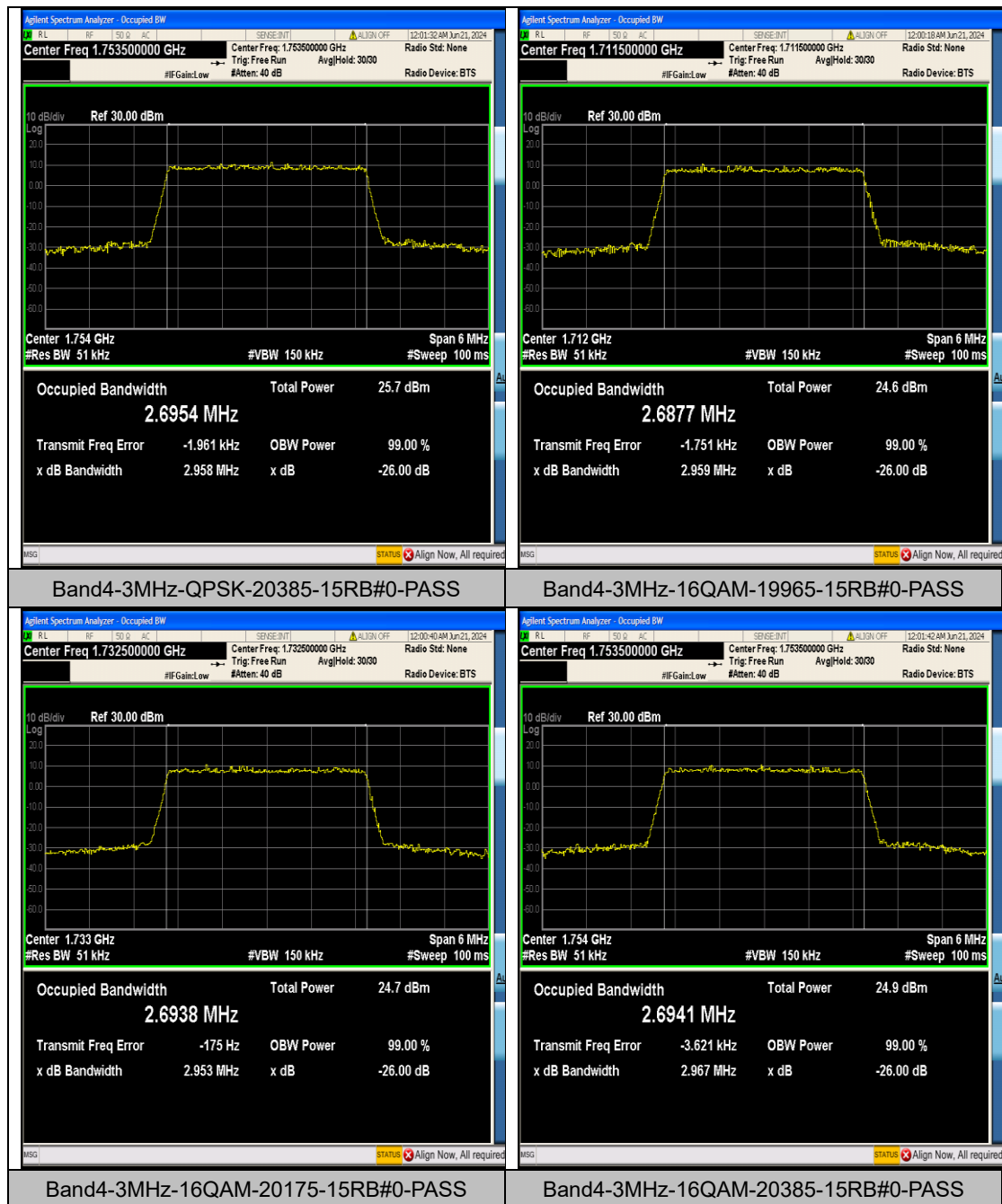
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0929	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0928	1.289	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0948	1.295	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0959	1.284	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0983	1.296	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1004	1.288	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7006	2.959	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6984	2.973	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6954	2.958	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6877	2.959	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6938	2.953	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6941	2.967	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5062	5.010	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5058	5.029	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5100	5.010	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4983	4.971	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4989	4.969	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4999	4.978	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9581	9.888	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9787	9.948	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9670	9.918	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9716	9.786	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9675	9.893	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9530	9.862	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.417	14.76	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.459	14.77	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.425	14.75	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.415	14.65	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.452	14.70	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.439	14.66	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.886	19.38	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.941	19.43	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.890	19.53	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.921	19.34	PASS

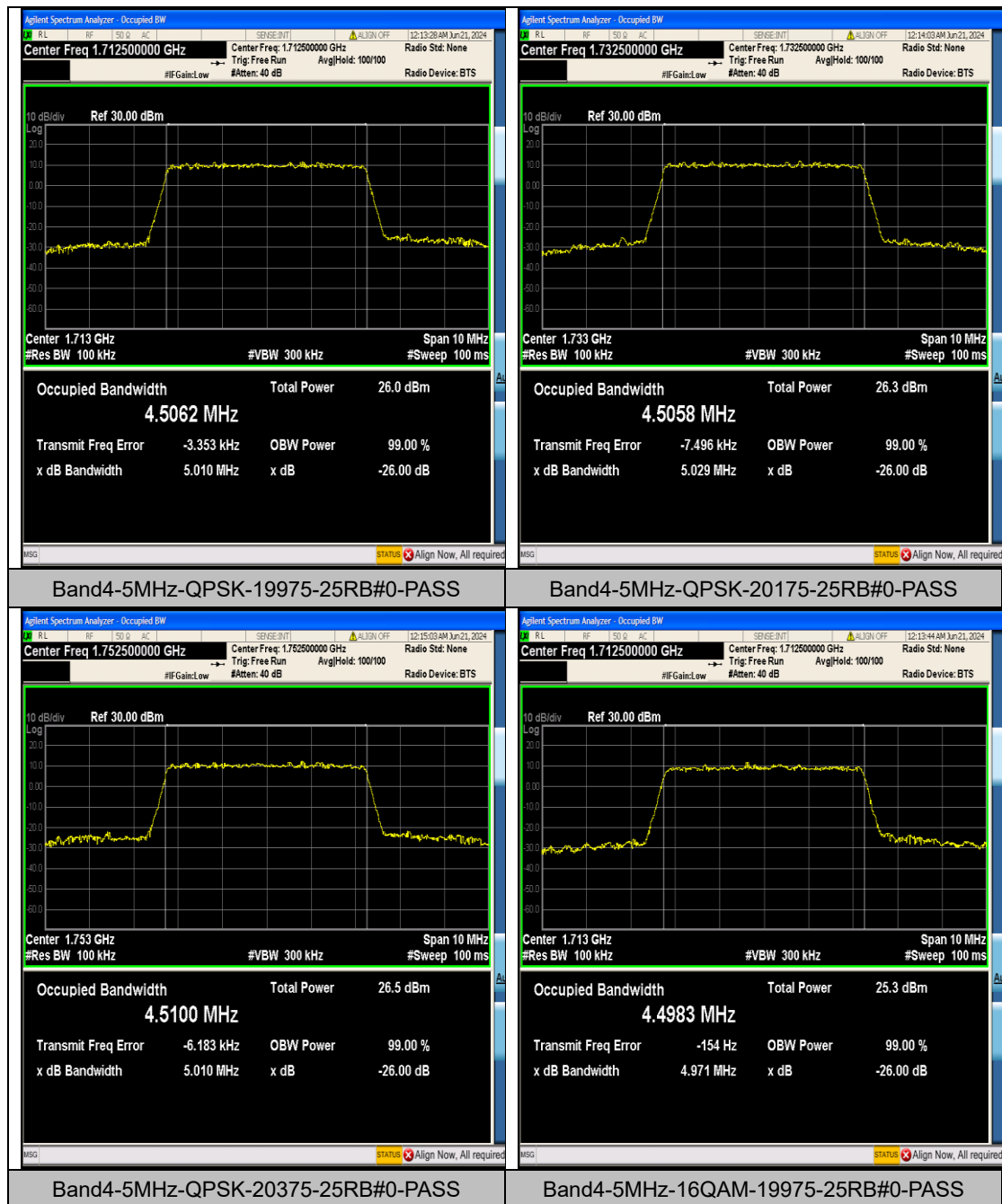
Band4	20MHz	16QAM	20175	100RB#0	17.946	19.40	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.892	19.40	PASS

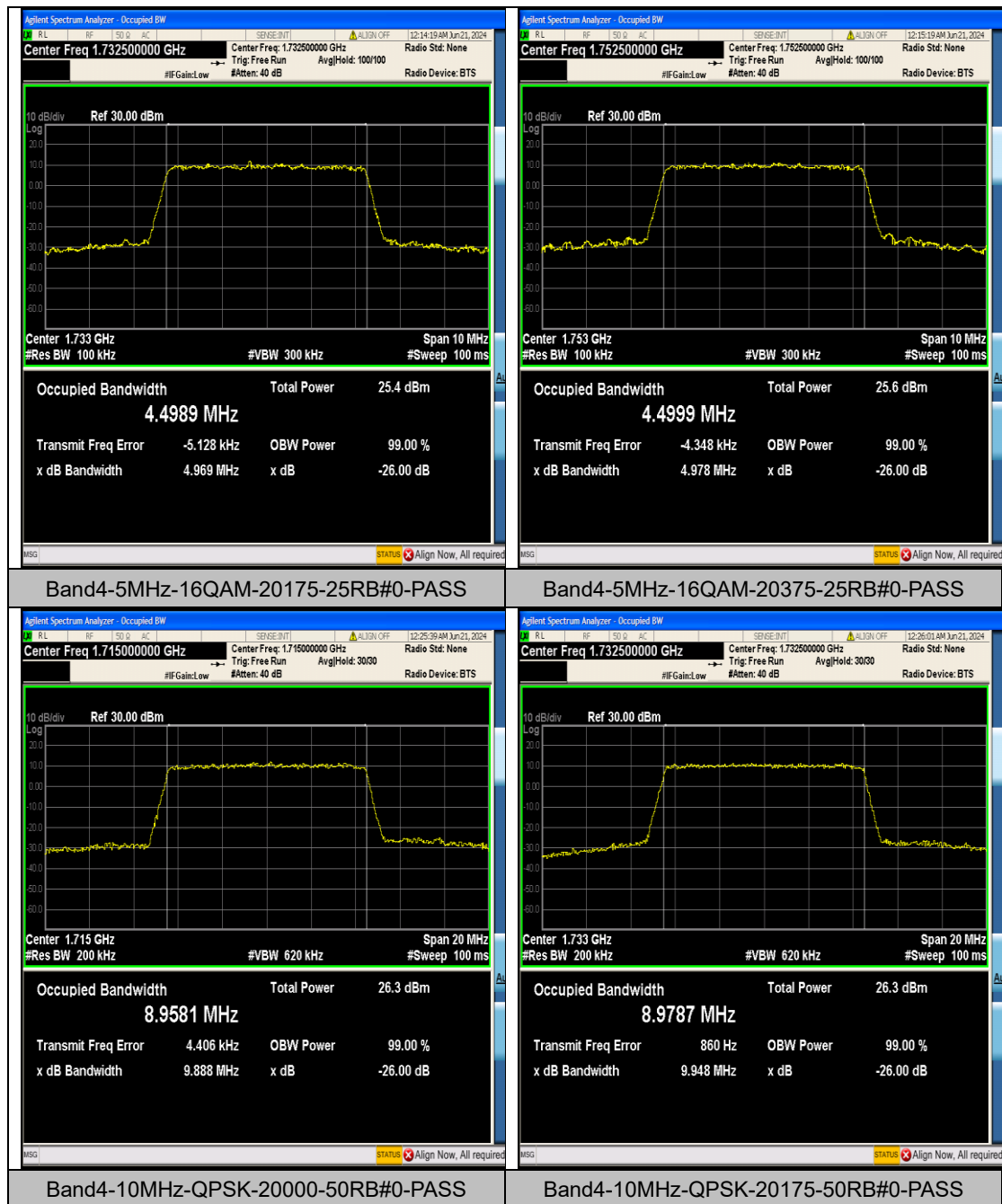
Test Graphs

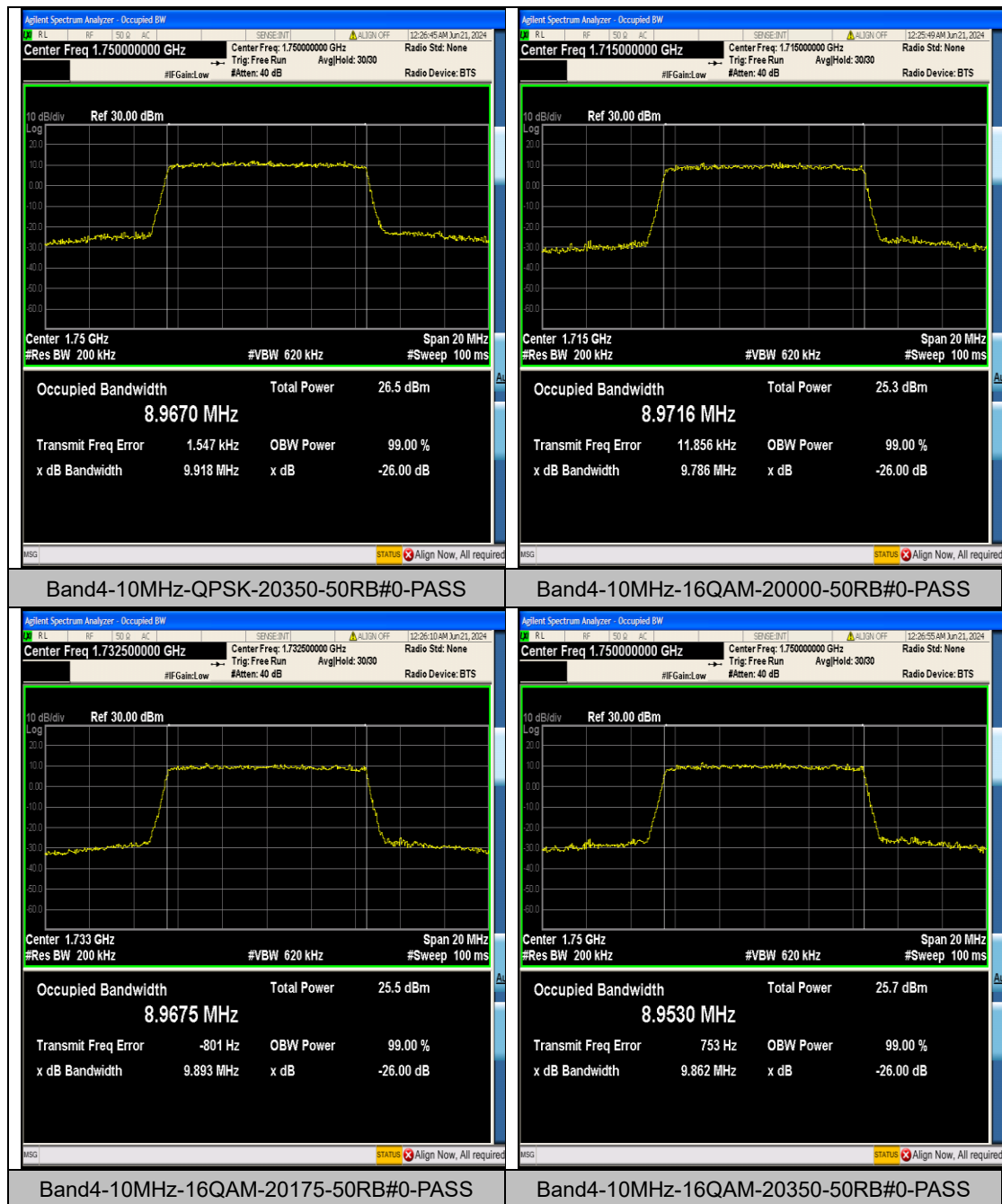


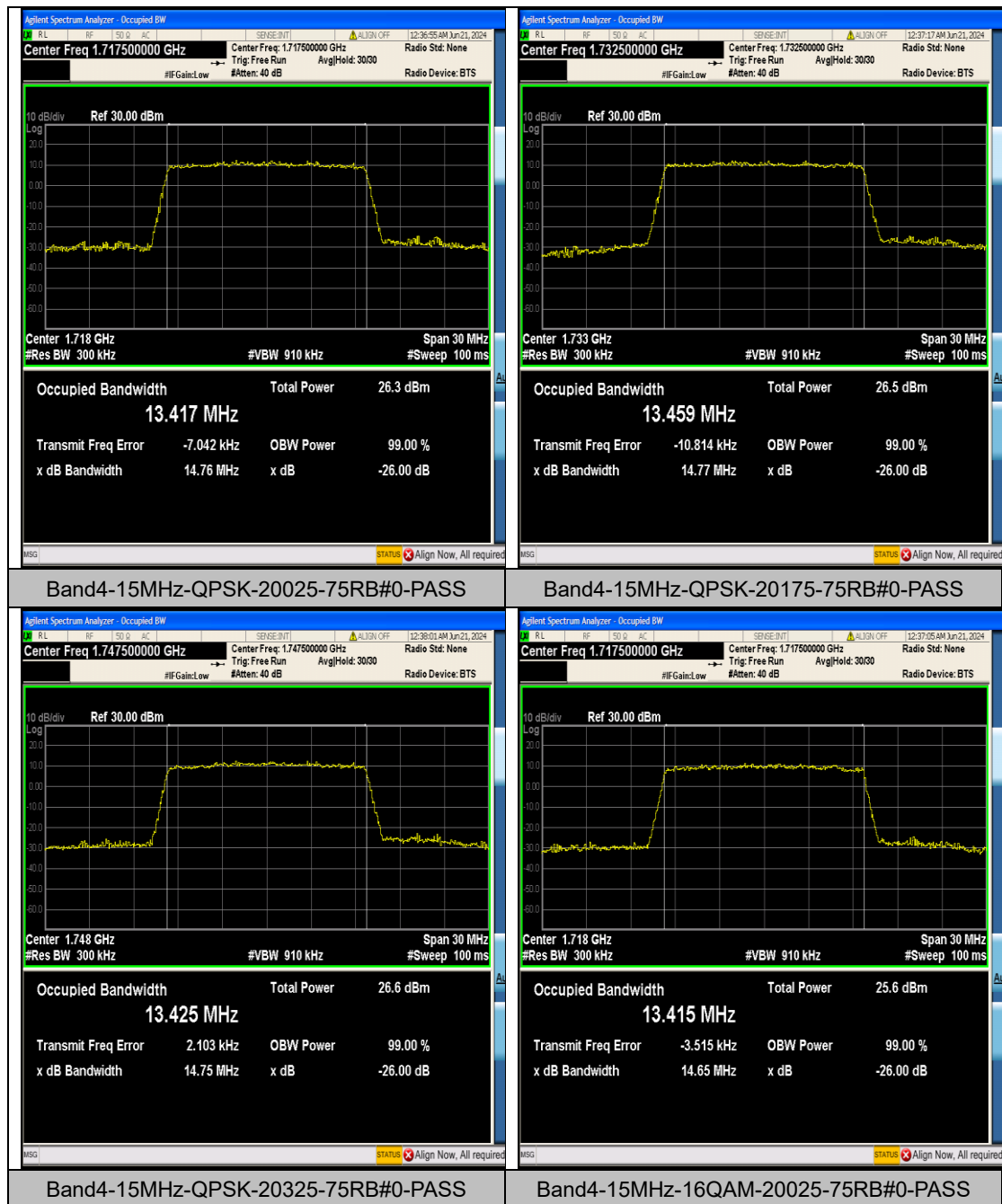


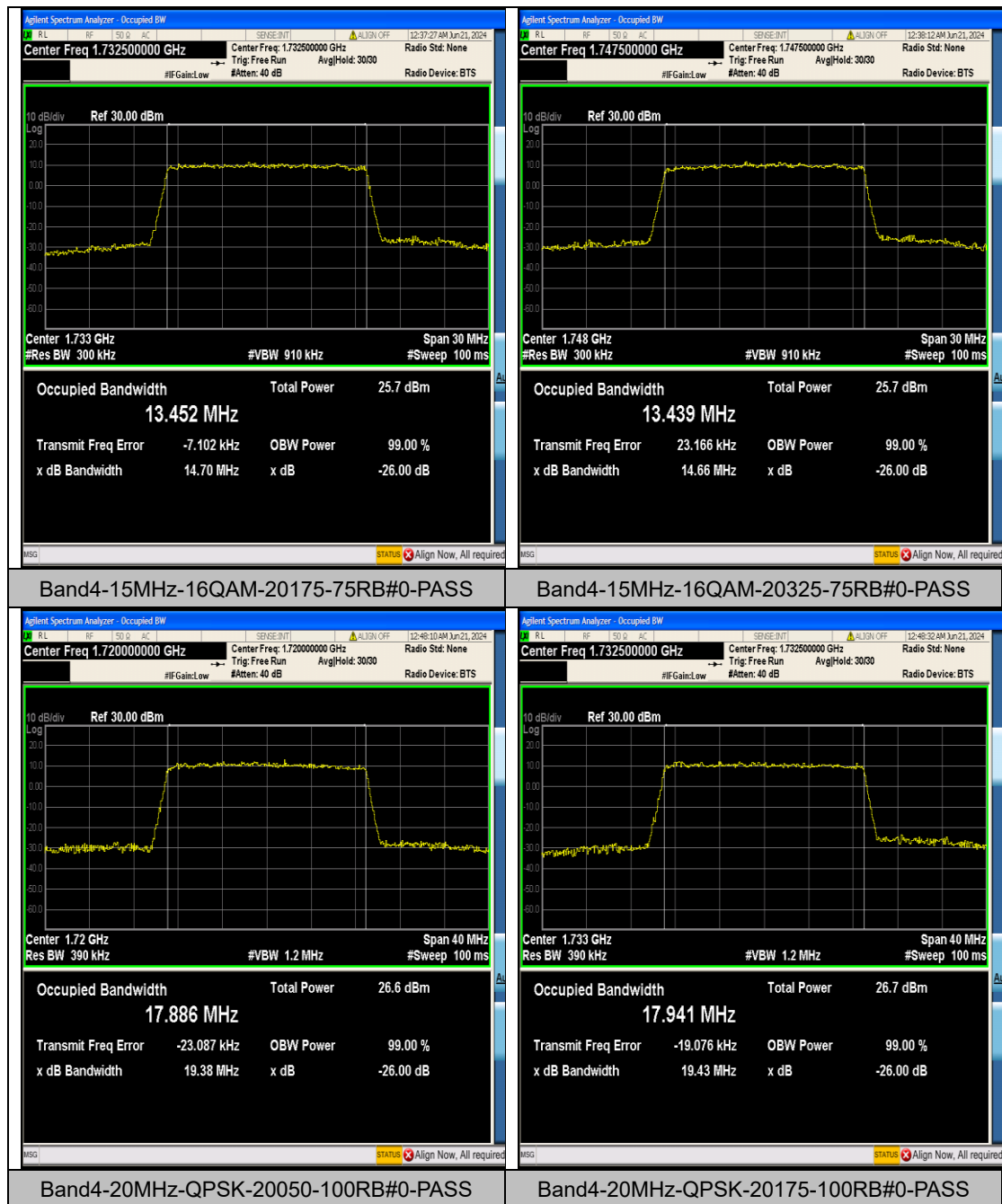


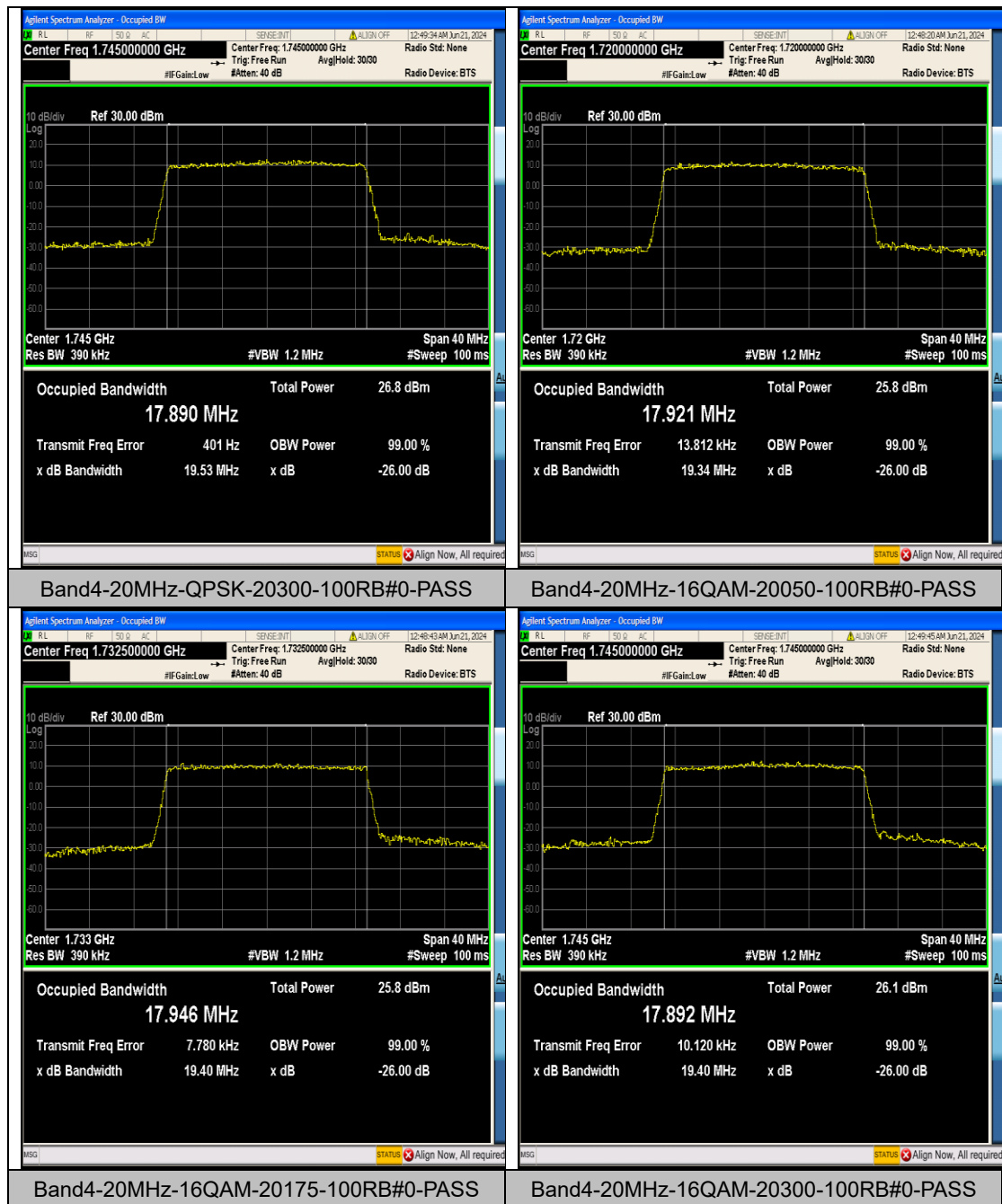












Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-32.87	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-32.23	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-34.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-35.10	PASS
Band4	3MHz	QPSK	19965	15RB#0	-32.79	PASS
Band4	3MHz	QPSK	20385	15RB#0	-33.01	PASS
Band4	3MHz	16QAM	19965	15RB#0	-33.15	PASS
Band4	3MHz	16QAM	20385	15RB#0	-34.90	PASS
Band4	5MHz	QPSK	19975	25RB#0	-34.46	PASS
Band4	5MHz	QPSK	20375	25RB#0	-31.24	PASS
Band4	5MHz	16QAM	19975	25RB#0	-34.39	PASS
Band4	5MHz	16QAM	20375	25RB#0	-35.77	PASS
Band4	10MHz	QPSK	20000	50RB#0	-37.60	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.09	PASS
Band4	10MHz	16QAM	20000	50RB#0	-37.34	PASS
Band4	10MHz	16QAM	20350	50RB#0	-37.82	PASS
Band4	15MHz	QPSK	20025	75RB#0	-38.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	-33.52	PASS
Band4	15MHz	16QAM	20025	75RB#0	-38.57	PASS
Band4	15MHz	16QAM	20325	75RB#0	-36.36	PASS
Band4	20MHz	QPSK	20050	100RB#0	-39.81	PASS
Band4	20MHz	QPSK	20300	100RB#0	-36.06	PASS
Band4	20MHz	16QAM	20050	100RB#0	-39.34	PASS
Band4	20MHz	16QAM	20300	100RB#0	-37.50	PASS

Test Graphs

