

FCC Appendix RF Test Data for LTE Band 4

Company: : **Gastor Pty Ltd**

EUT : **GPS tracker**

Model Number : **AG45**

FCC ID : **2BU7Q-AG45**

Report No. : **CTA26031300103**

Reviewed By : **Eric Wang**

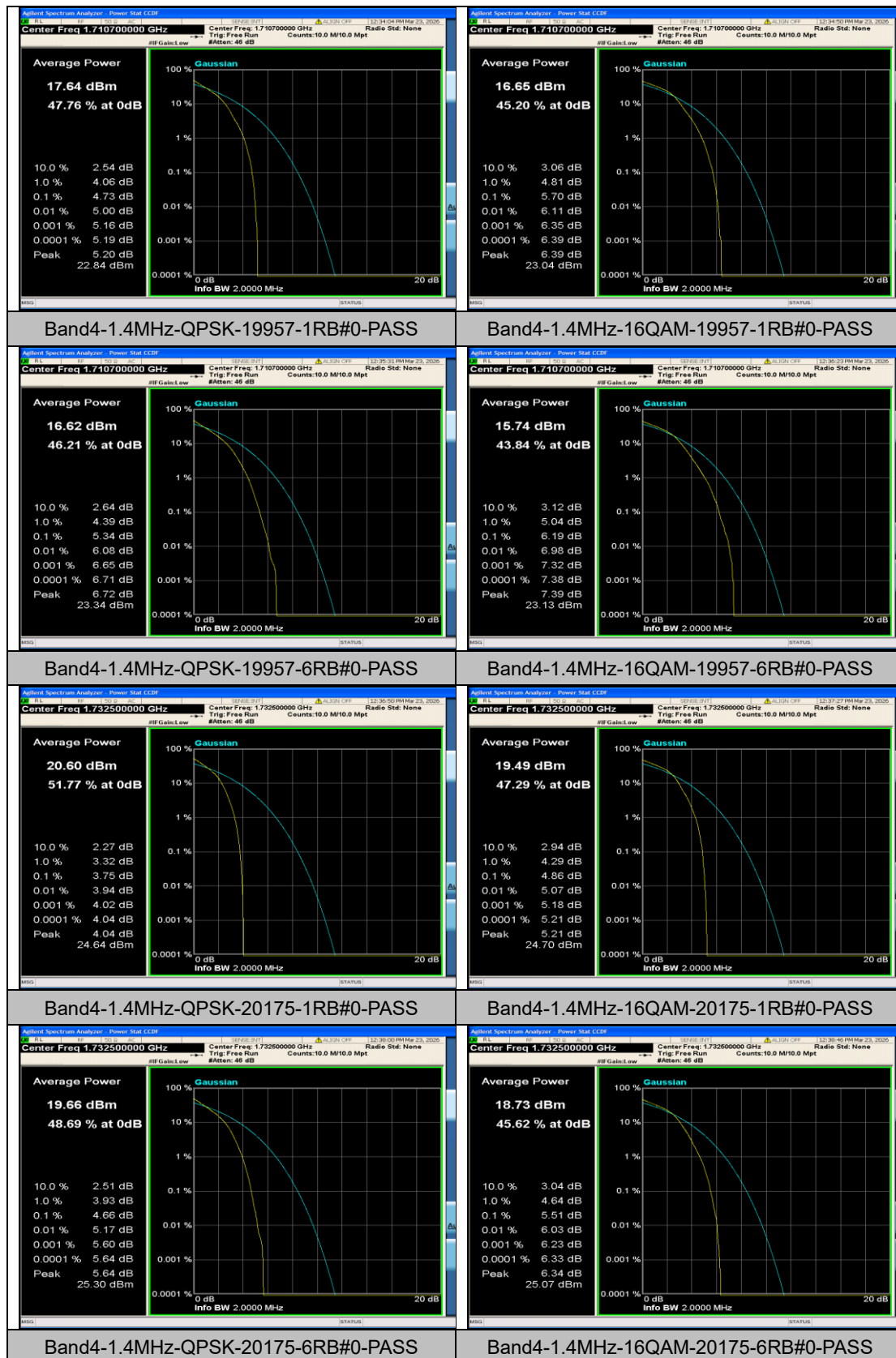
Appendix B: Peak-to-Average Ratio(CCDF)

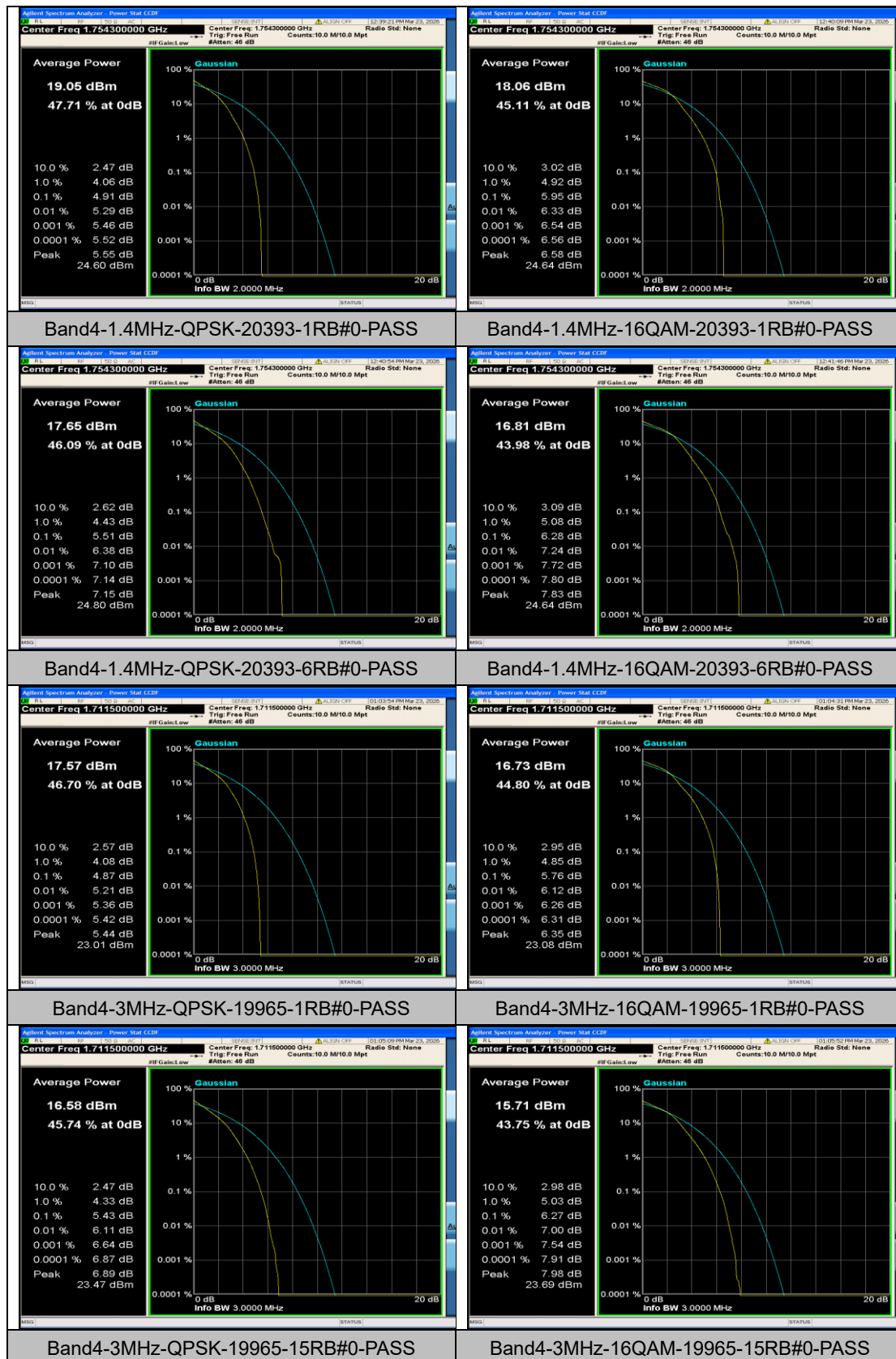
Test Result

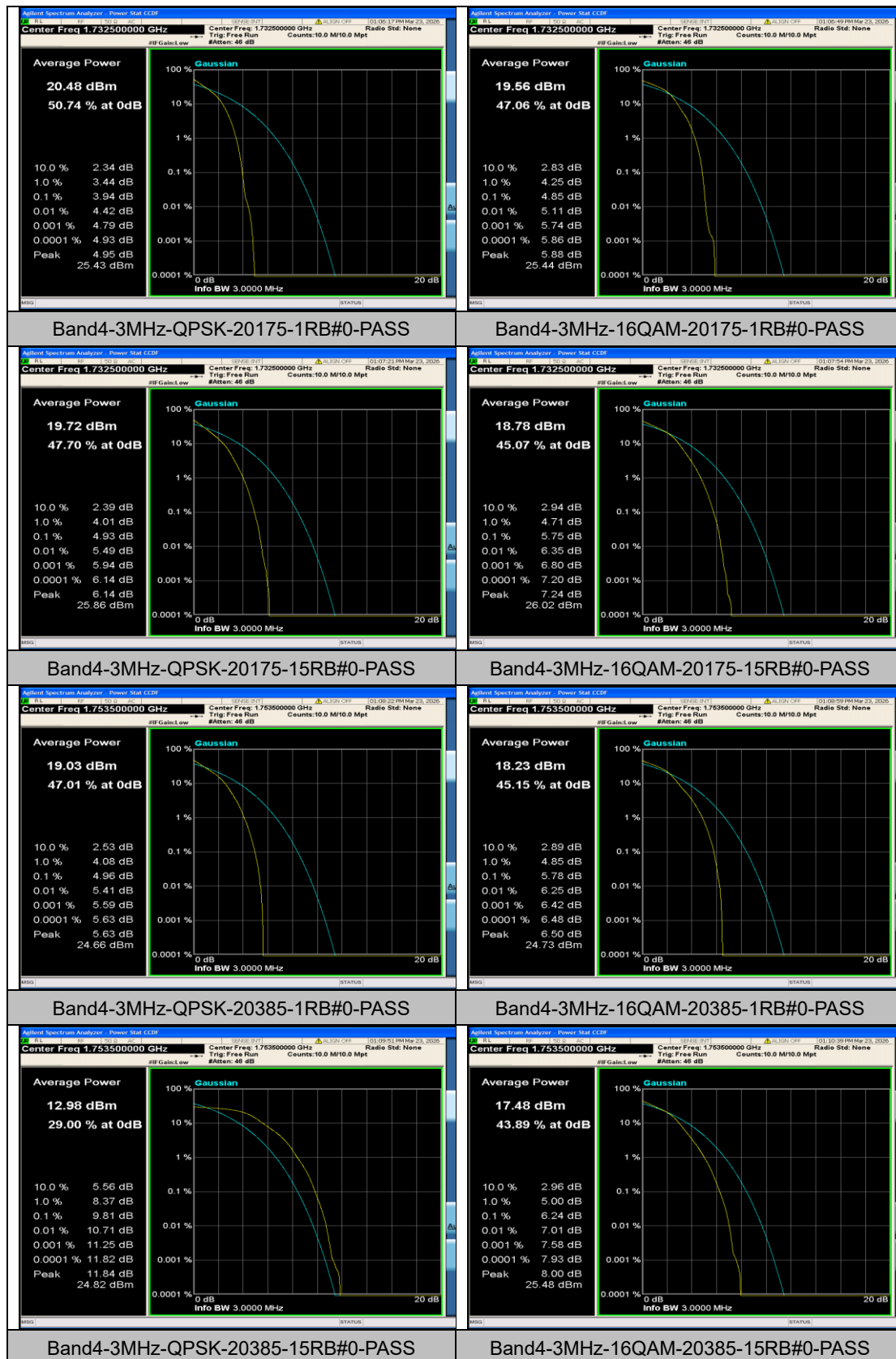
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.73	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.70	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.34	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.19	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.75	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.86	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.66	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.51	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.91	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.95	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.51	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.28	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.87	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.76	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.43	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.27	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.94	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.85	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.93	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.75	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.96	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.78	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	9.81	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.24	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.88	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.57	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.63	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.35	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.16	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.91	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.07	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.79	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.85	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.54	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.59	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.30	13	PASS

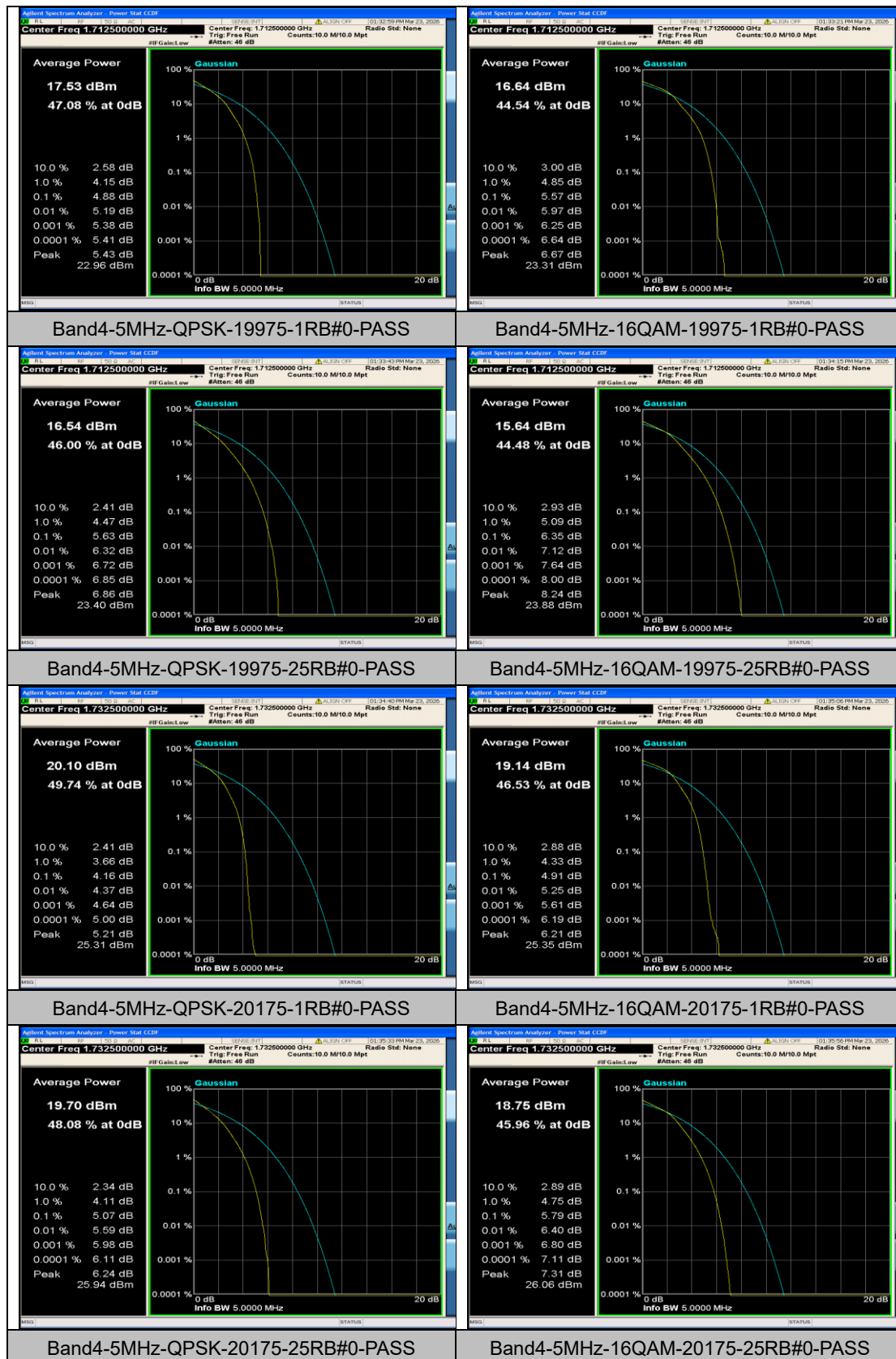
Band4	10MHz	QPSK	20000	1RB#0	4.72	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.60	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.13	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.02	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.65	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.54	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.58	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.34	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.99	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.96	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.85	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.40	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.25	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.30	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.27	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	6.00	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.72	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.25	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.85	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.39	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.29	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.65	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.48	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.49	13	PASS

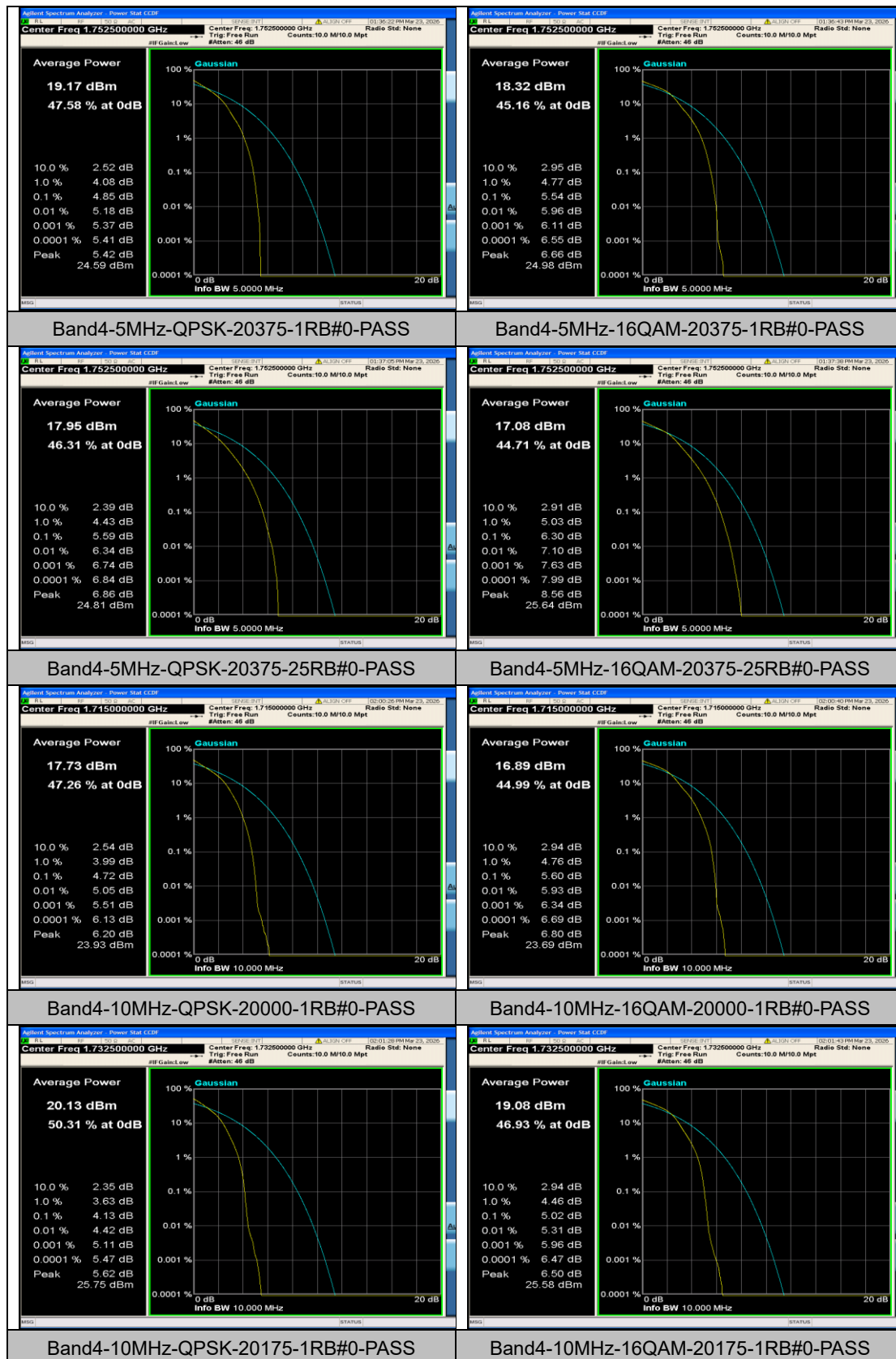
Test Graphs

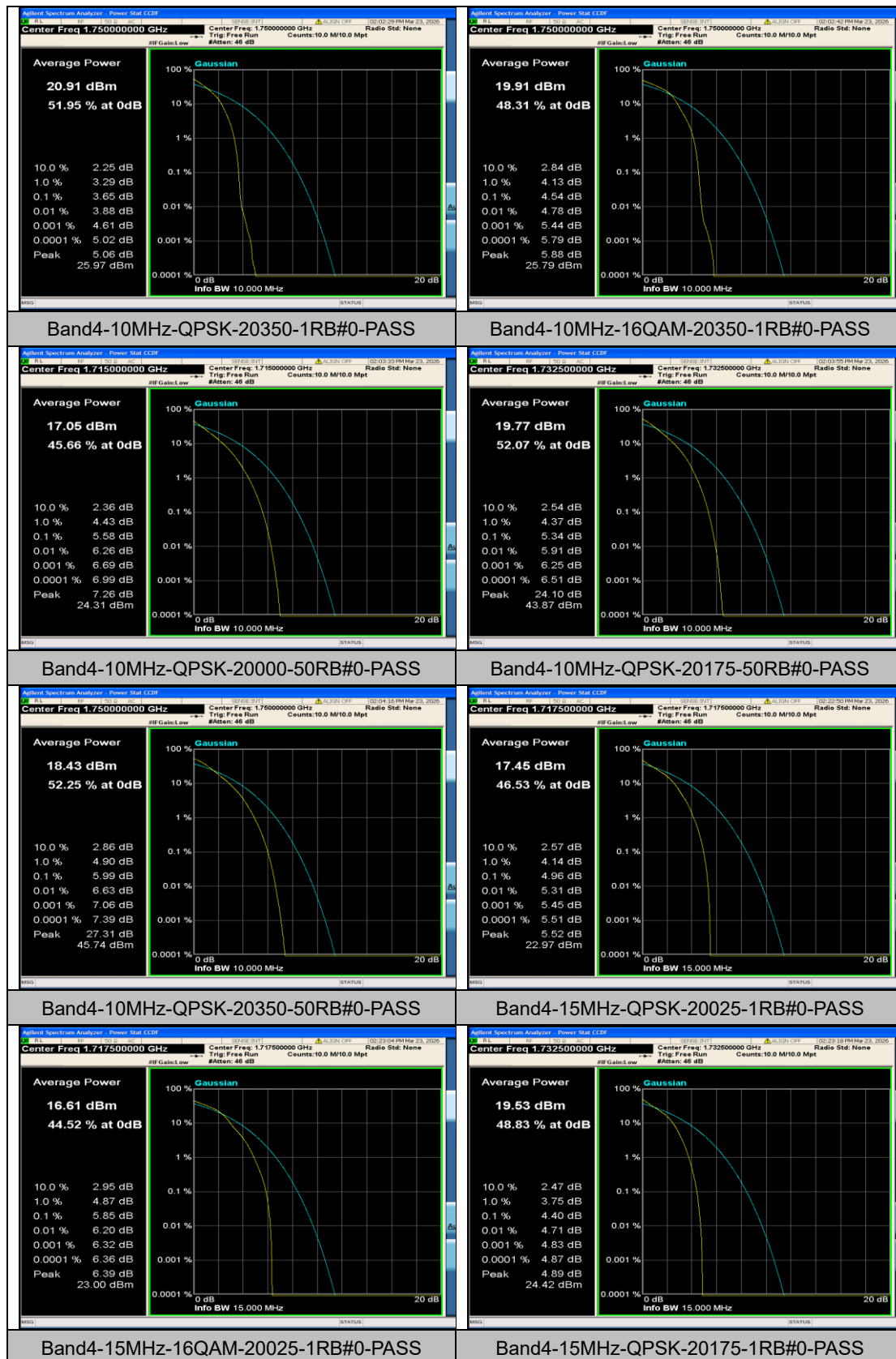


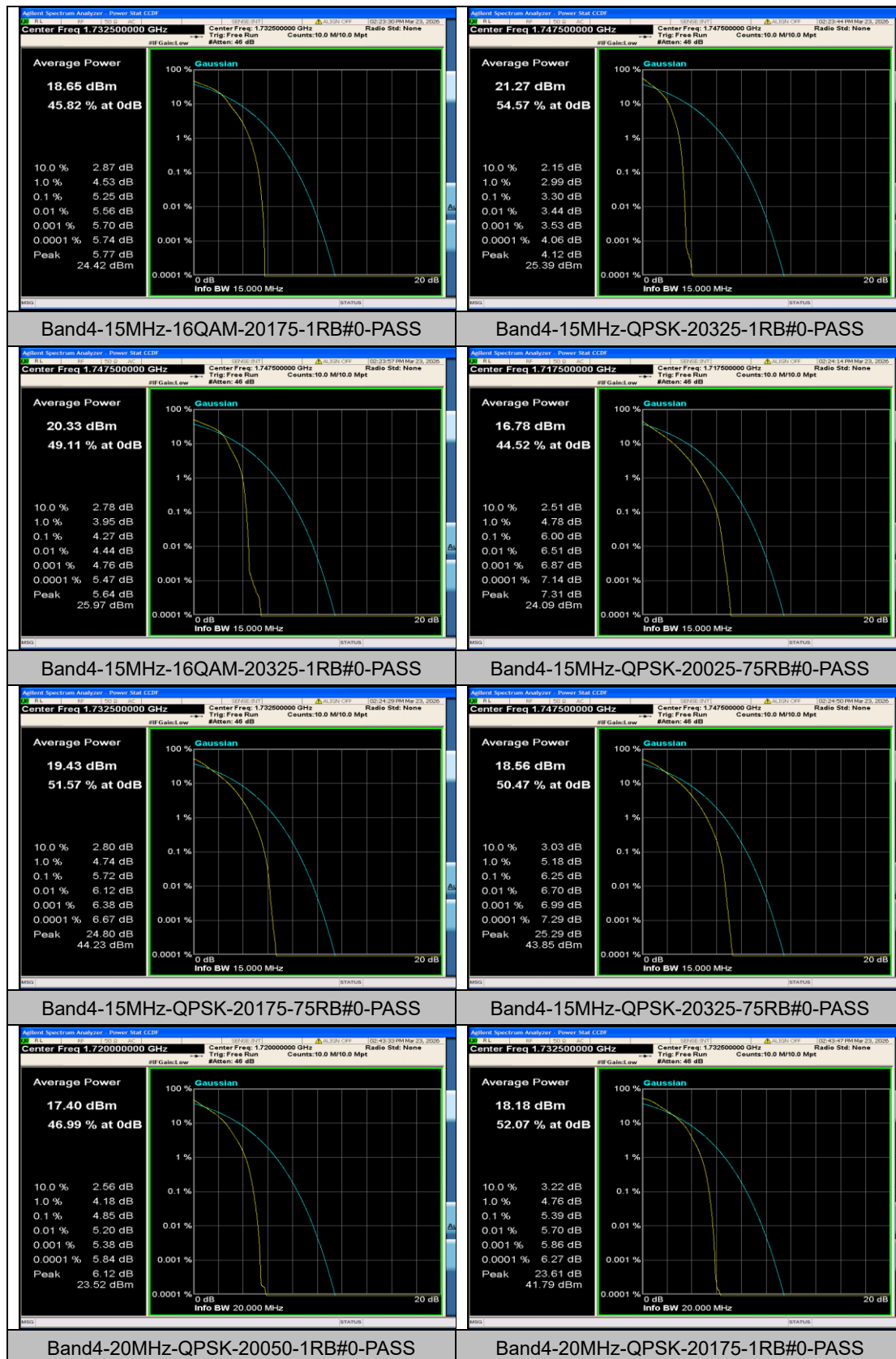


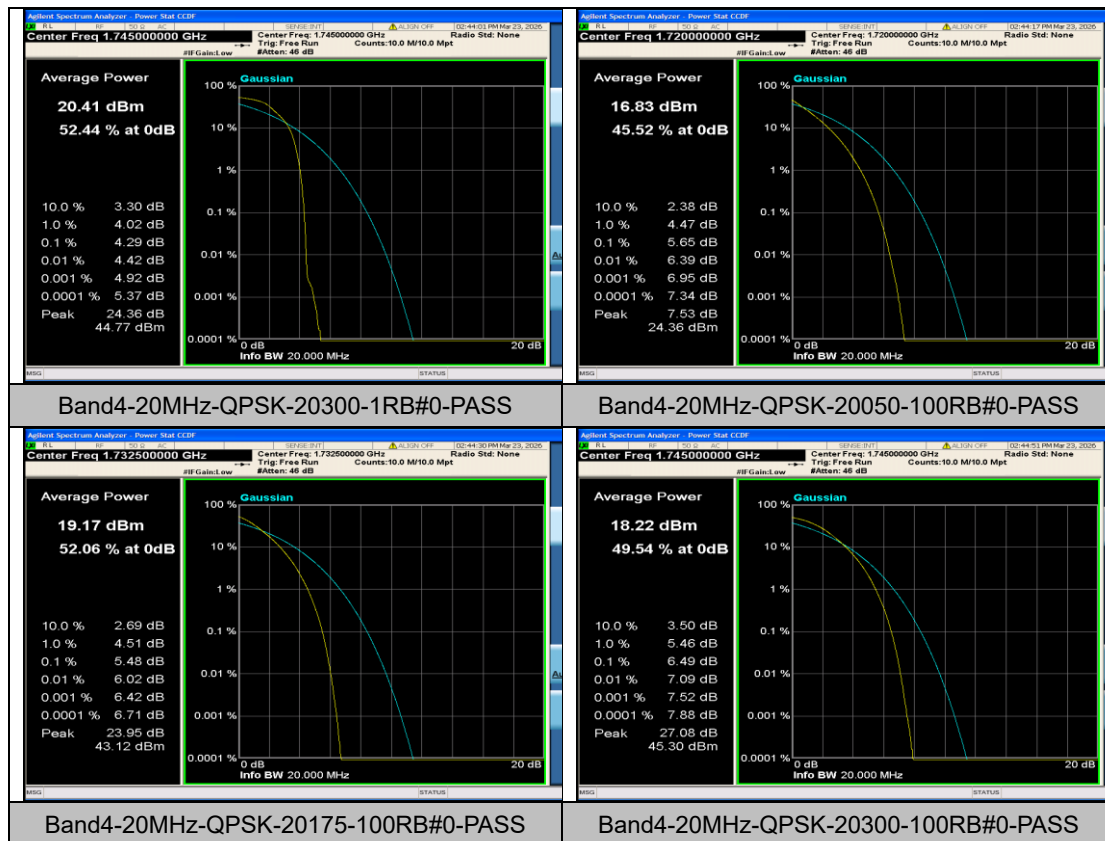










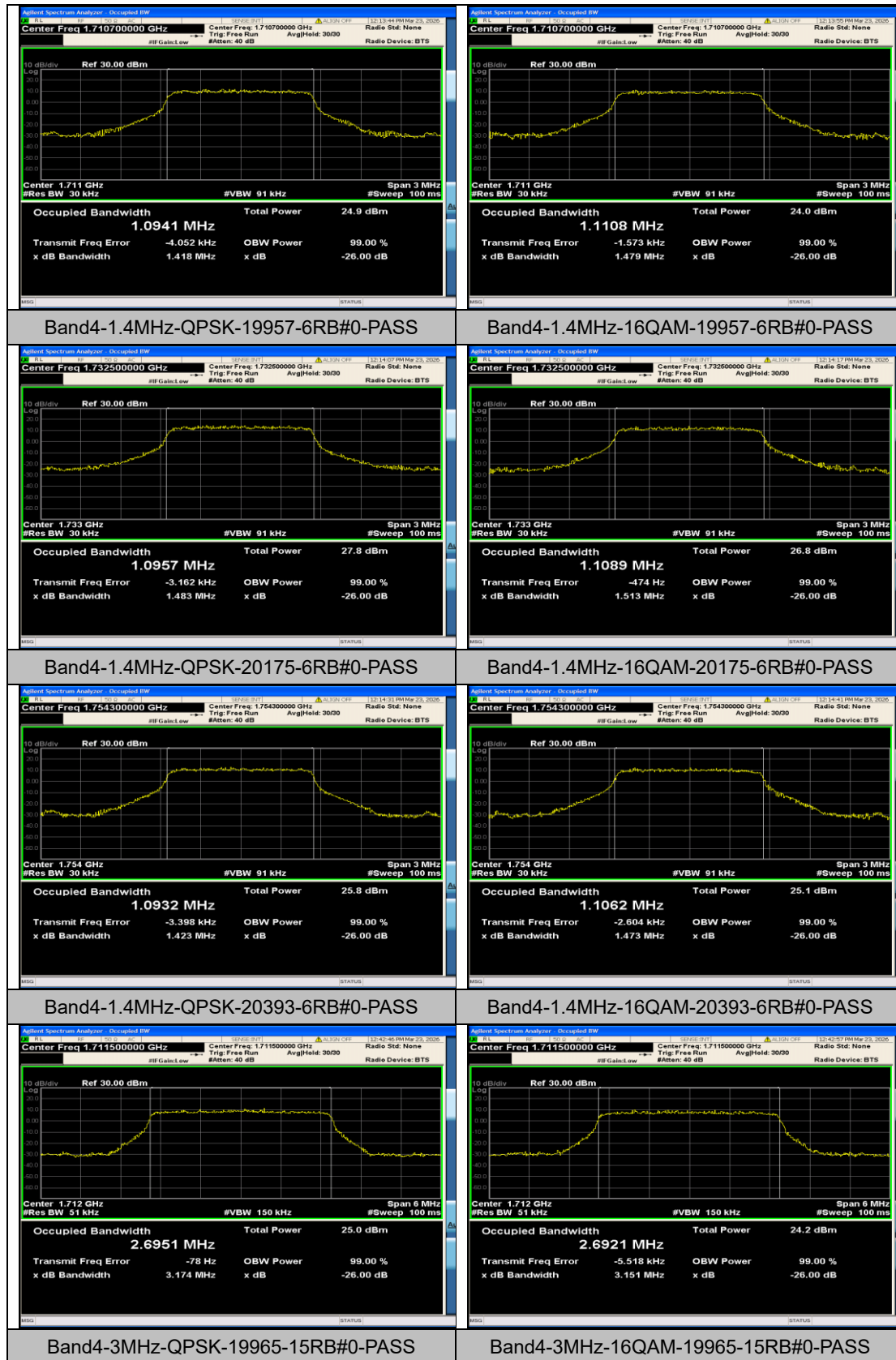


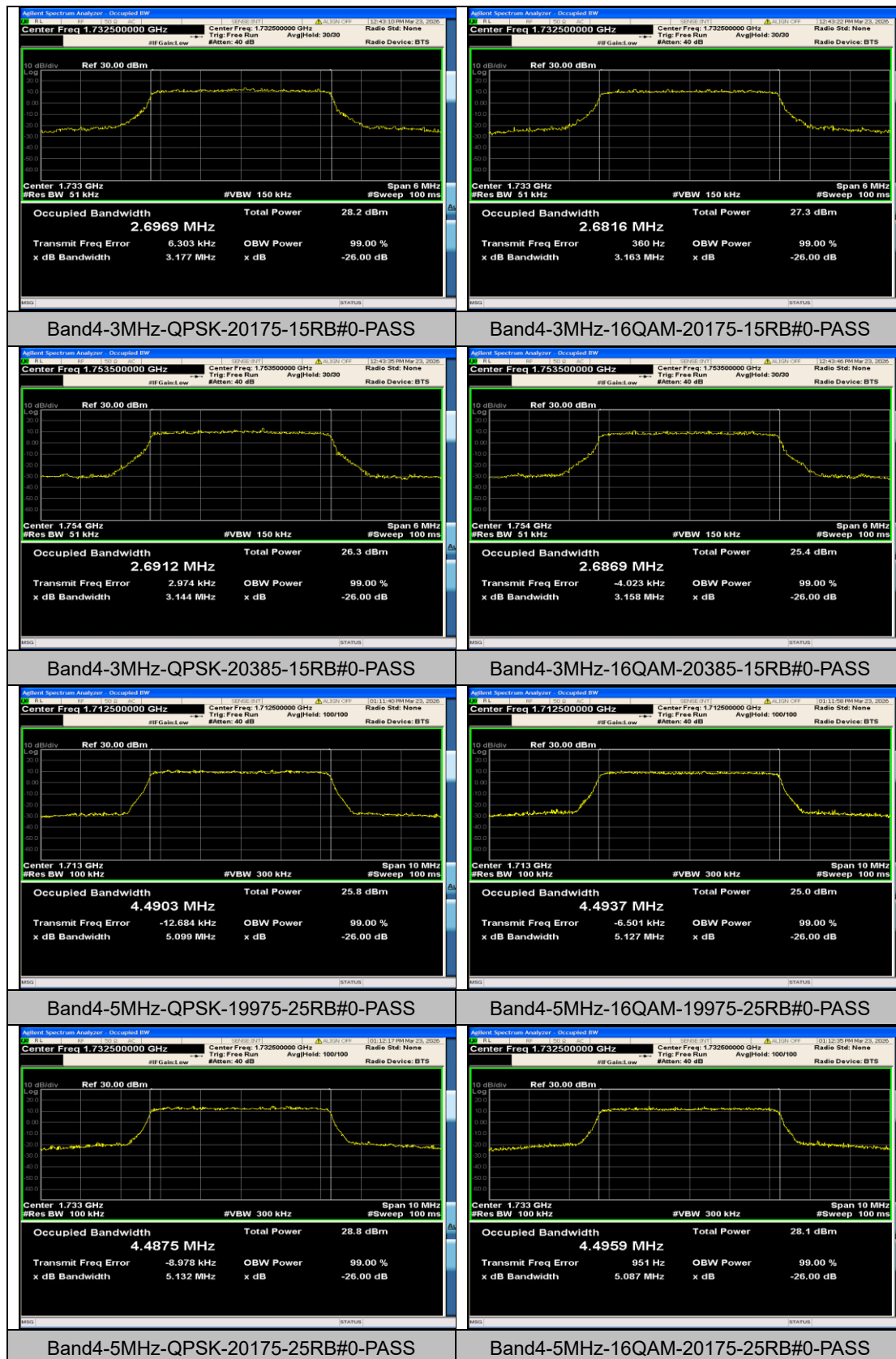
Appendix C: 26dB Bandwidth and Occupied Bandwidth

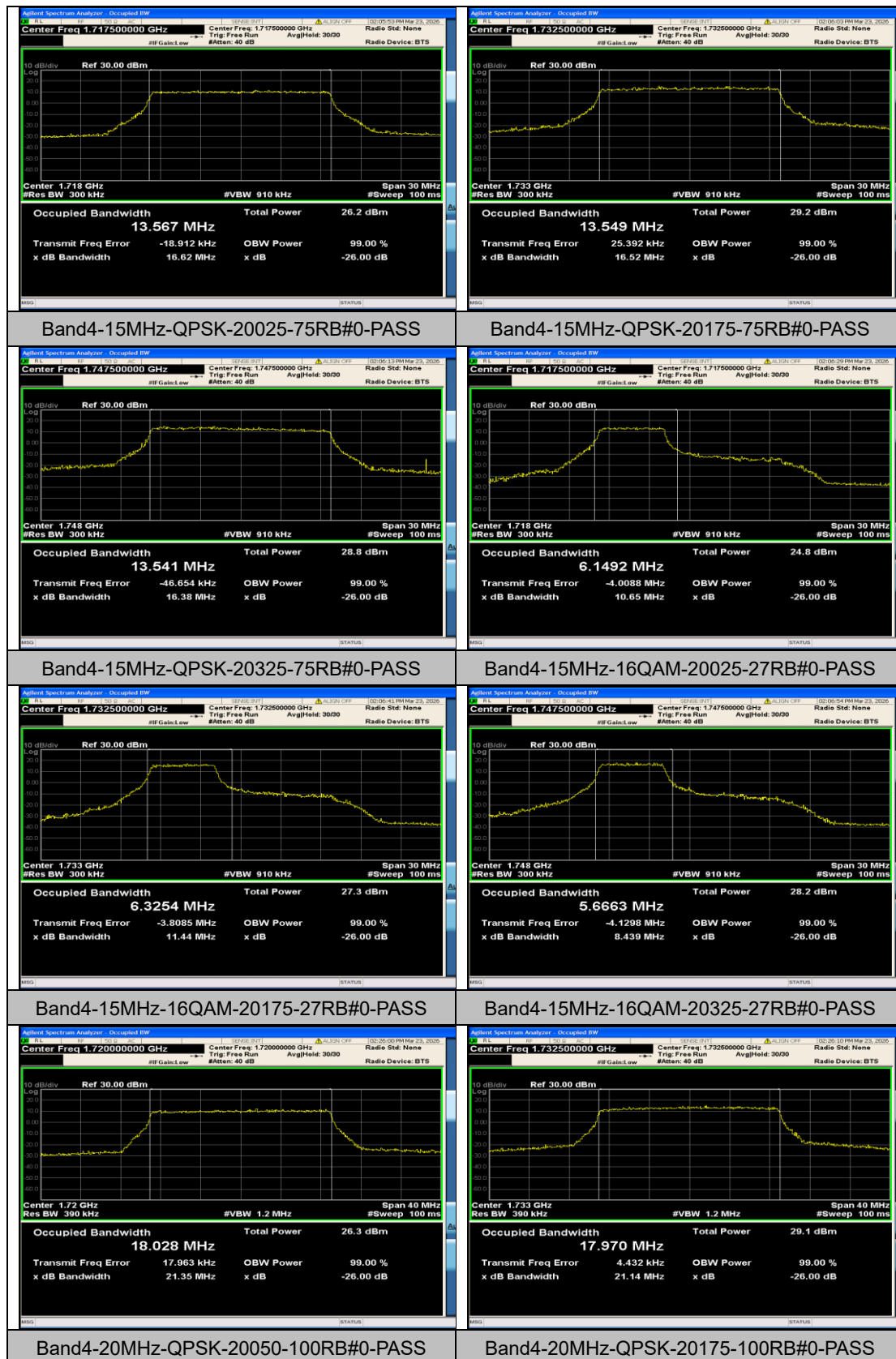
Test Result

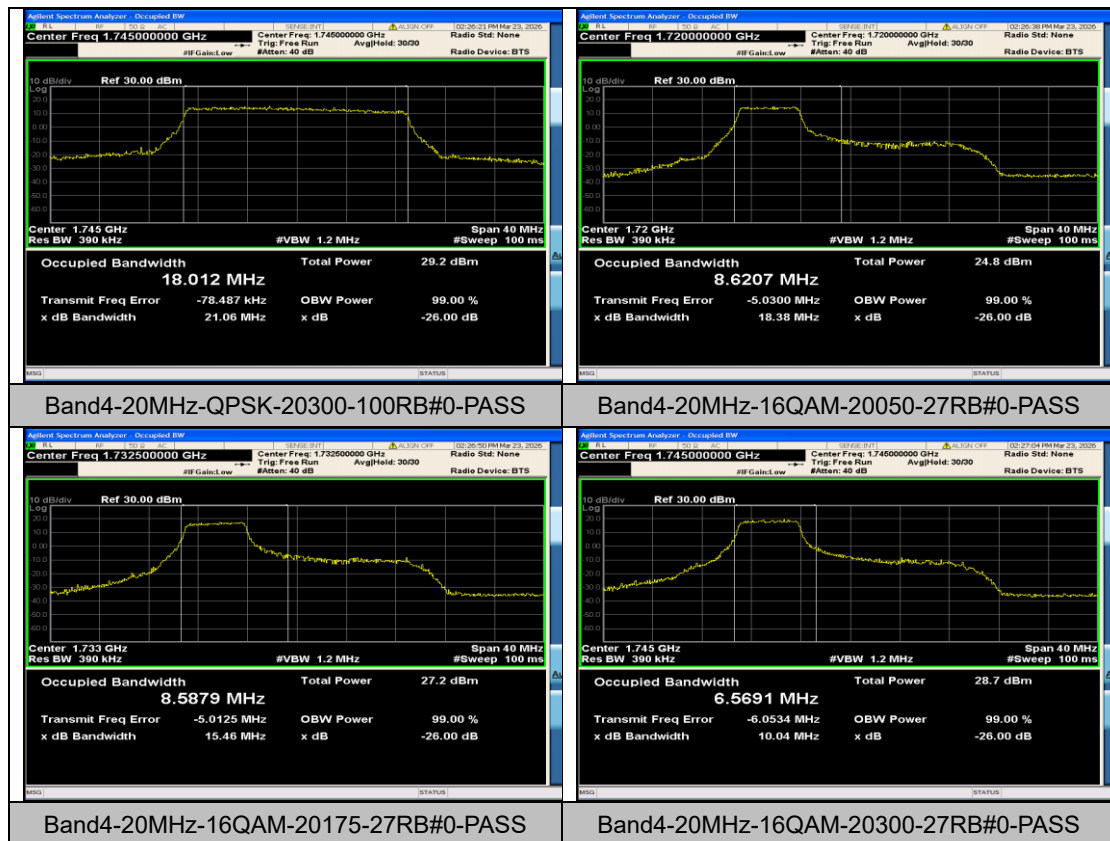
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0941	1.418	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1108	1.479	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0957	1.483	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1089	1.513	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0932	1.423	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1062	1.473	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6951	3.174	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6921	3.151	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6969	3.177	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6816	3.163	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6912	3.144	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6869	3.158	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4903	5.099	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4937	5.127	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4875	5.132	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4959	5.087	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4836	5.078	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4852	5.121	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9482	9.692	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9632	9.684	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9253	9.673	PASS
Band4	10MHz	16QAM	20000	27RB#0	5.2831	8.464	PASS
Band4	10MHz	16QAM	20175	27RB#0	5.2686	7.877	PASS
Band4	10MHz	16QAM	20350	27RB#0	5.1034	7.153	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.567	16.62	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.549	16.52	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.541	16.38	PASS
Band4	15MHz	16QAM	20025	27RB#0	6.1492	10.65	PASS
Band4	15MHz	16QAM	20175	27RB#0	6.3254	11.44	PASS
Band4	15MHz	16QAM	20325	27RB#0	5.6663	8.439	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.028	21.35	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.970	21.14	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.012	21.06	PASS
Band4	20MHz	16QAM	20050	27RB#0	8.6207	18.38	PASS
Band4	20MHz	16QAM	20175	27RB#0	8.5879	15.46	PASS
Band4	20MHz	16QAM	20300	27RB#0	6.5691	10.04	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-29.62	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-21.33	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-25.89	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-32.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-31.90	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-26.13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-25.35	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-29.62	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-29.43	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-29.03	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-20.11	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-23.72	PASS
Band4	3MHz	QPSK	19965	1RB#0	-22.66	PASS
Band4	3MHz	16QAM	19965	1RB#0	-24.04	PASS
Band4	3MHz	QPSK	19965	1RB#14	-36.79	PASS
Band4	3MHz	16QAM	19965	1RB#14	-36.76	PASS
Band4	3MHz	QPSK	19965	15RB#0	-32.37	PASS
Band4	3MHz	16QAM	19965	15RB#0	-33.41	PASS
Band4	3MHz	QPSK	20385	1RB#0	-35.41	PASS
Band4	3MHz	16QAM	20385	1RB#0	-36.87	PASS
Band4	3MHz	QPSK	20385	1RB#14	-22.81	PASS
Band4	3MHz	16QAM	20385	1RB#14	-23.73	PASS
Band4	3MHz	QPSK	20385	15RB#0	-32.49	PASS
Band4	3MHz	16QAM	20385	15RB#0	-33.22	PASS
Band4	5MHz	QPSK	19975	1RB#0	-30.41	PASS
Band4	5MHz	16QAM	19975	1RB#0	-31.02	PASS
Band4	5MHz	QPSK	19975	1RB#24	-45.99	PASS
Band4	5MHz	16QAM	19975	1RB#24	-47.30	PASS
Band4	5MHz	QPSK	19975	25RB#0	-37.09	PASS
Band4	5MHz	16QAM	19975	25RB#0	-37.40	PASS
Band4	5MHz	QPSK	20375	1RB#0	-45.04	PASS
Band4	5MHz	16QAM	20375	1RB#0	-46.77	PASS
Band4	5MHz	QPSK	20375	1RB#24	-29.15	PASS
Band4	5MHz	16QAM	20375	1RB#24	-30.70	PASS
Band4	5MHz	QPSK	20375	25RB#0	-37.17	PASS
Band4	5MHz	16QAM	20375	25RB#0	-37.83	PASS
Band4	10MHz	QPSK	20000	1RB#0	-44.27	PASS

Band4	10MHz	16QAM	20000	1RB#0	-44.79	PASS
Band4	10MHz	QPSK	20000	1RB#49	-52.99	PASS
Band4	10MHz	16QAM	20000	1RB#49	-53.39	PASS
Band4	10MHz	QPSK	20350	1RB#0	-52.77	PASS
Band4	10MHz	16QAM	20350	1RB#0	-52.58	PASS
Band4	10MHz	QPSK	20350	1RB#49	-43.33	PASS
Band4	10MHz	16QAM	20350	1RB#49	-44.07	PASS
Band4	10MHz	QPSK	20000	50RB#0	-42.41	PASS
Band4	10MHz	QPSK	20350	50RB#0	-41.66	PASS
Band4	15MHz	QPSK	20025	1RB#0	-41.08	PASS
Band4	15MHz	16QAM	20025	1RB#0	-41.01	PASS
Band4	15MHz	QPSK	20025	1RB#74	-47.35	PASS
Band4	15MHz	16QAM	20025	1RB#74	-47.91	PASS
Band4	15MHz	QPSK	20325	1RB#0	-48.42	PASS
Band4	15MHz	16QAM	20325	1RB#0	-48.78	PASS
Band4	15MHz	QPSK	20325	1RB#74	-40.38	PASS
Band4	15MHz	16QAM	20325	1RB#74	-41.01	PASS
Band4	15MHz	QPSK	20025	75RB#0	-38.82	PASS
Band4	15MHz	QPSK	20325	75RB#0	-37.15	PASS
Band4	20MHz	QPSK	20050	1RB#0	-42.71	PASS
Band4	20MHz	16QAM	20050	1RB#0	-42.87	PASS
Band4	20MHz	QPSK	20050	1RB#99	-44.17	PASS
Band4	20MHz	16QAM	20050	1RB#99	-44.84	PASS
Band4	20MHz	QPSK	20300	1RB#0	-46.82	PASS
Band4	20MHz	16QAM	20300	1RB#0	-46.60	PASS
Band4	20MHz	QPSK	20300	1RB#99	-42.75	PASS
Band4	20MHz	16QAM	20300	1RB#99	-43.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	-37.68	PASS
Band4	20MHz	QPSK	20300	100RB#0	-37.25	PASS

Test Graphs

