

FCC Appendix RF Test Data for LTE Band 2

Company: : **Gastor Pty Ltd**

EUT : **GPS tracker**

Model Number : **AG45**

FCC ID : **2BU7Q-AG45**

Report No. : **CTA26031300102**

Reviewed By : **Eric Wang**

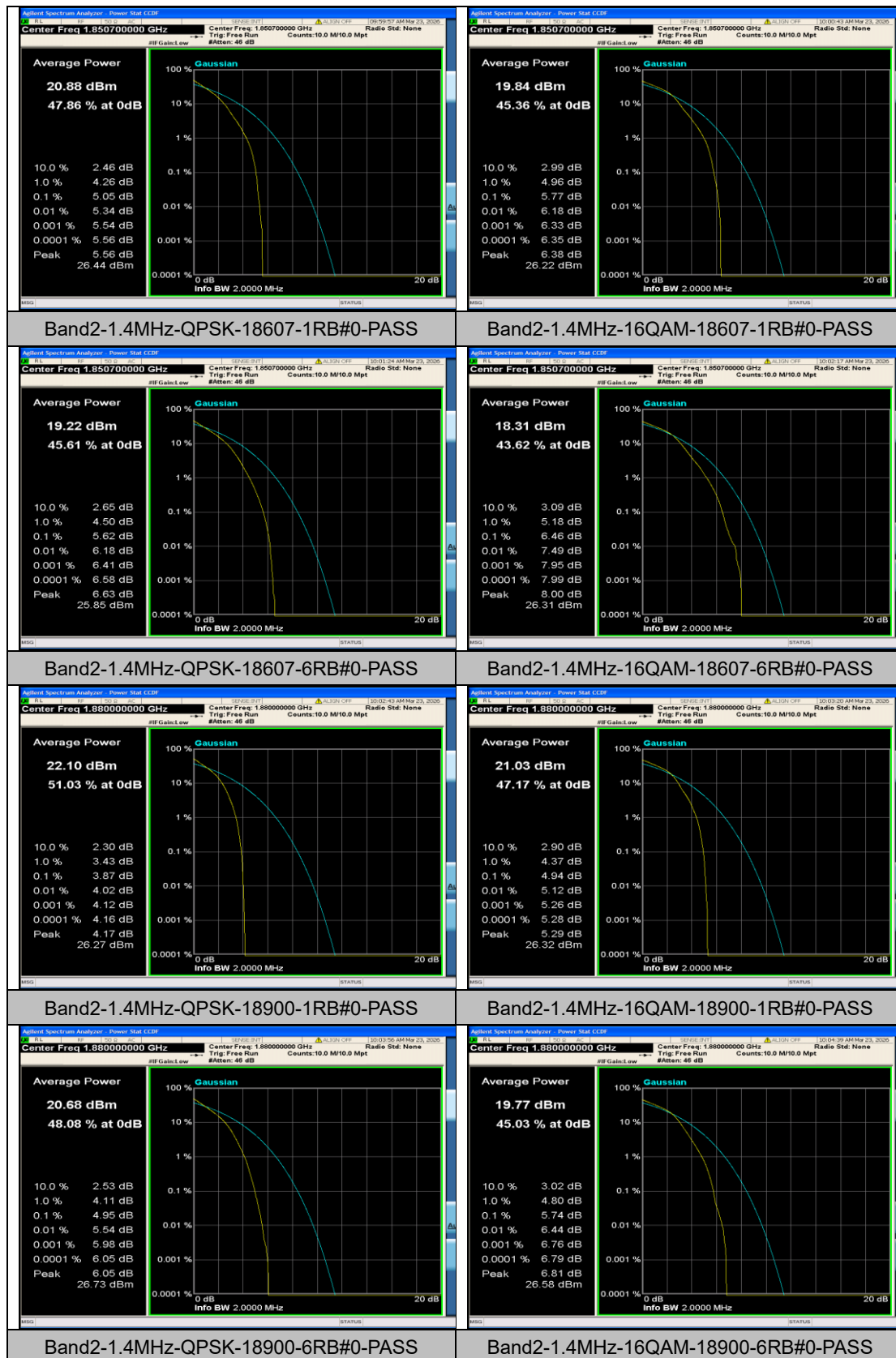
Appendix B: Peak-to-Average Ratio(CCDF)

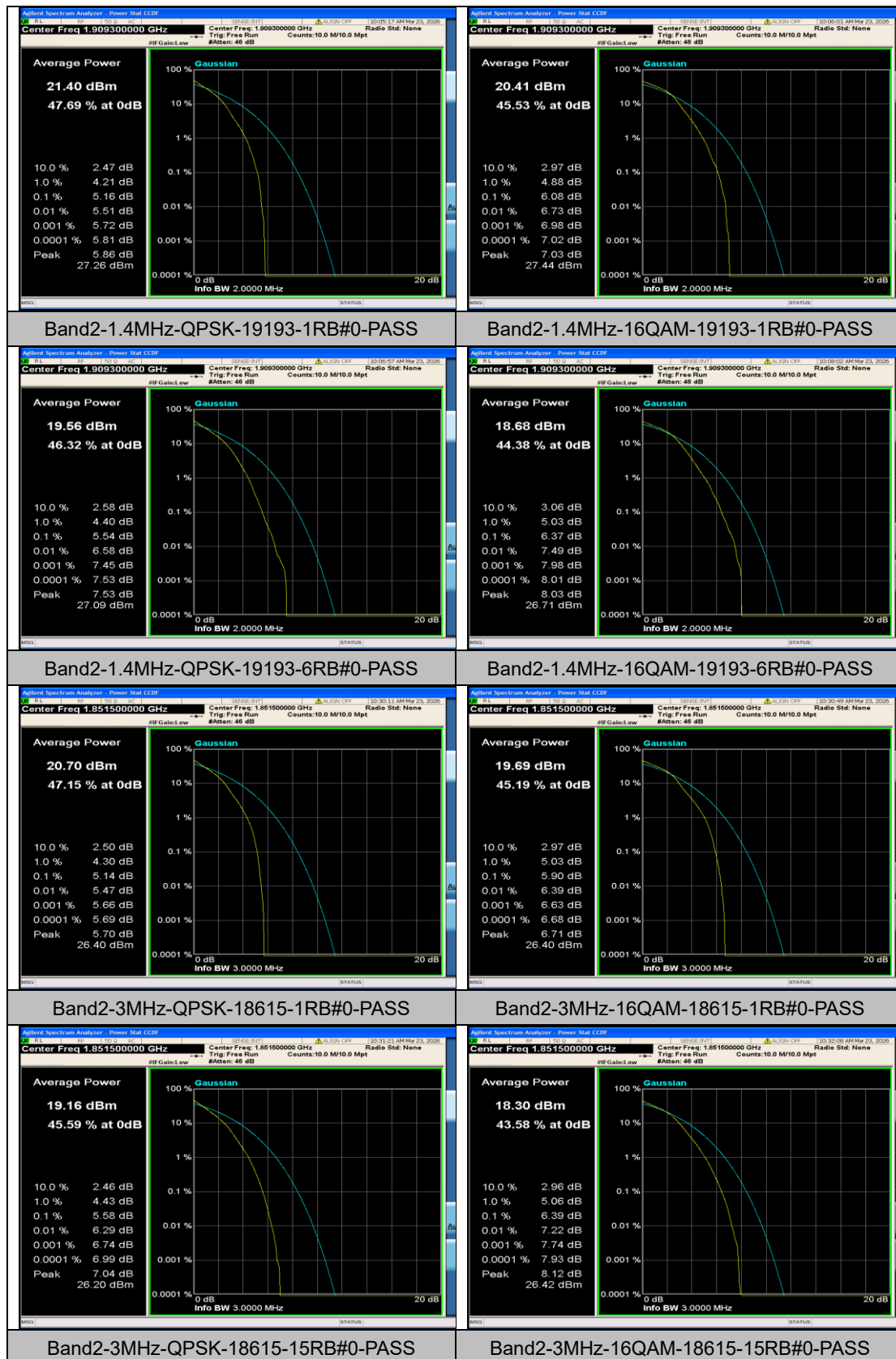
Test Result

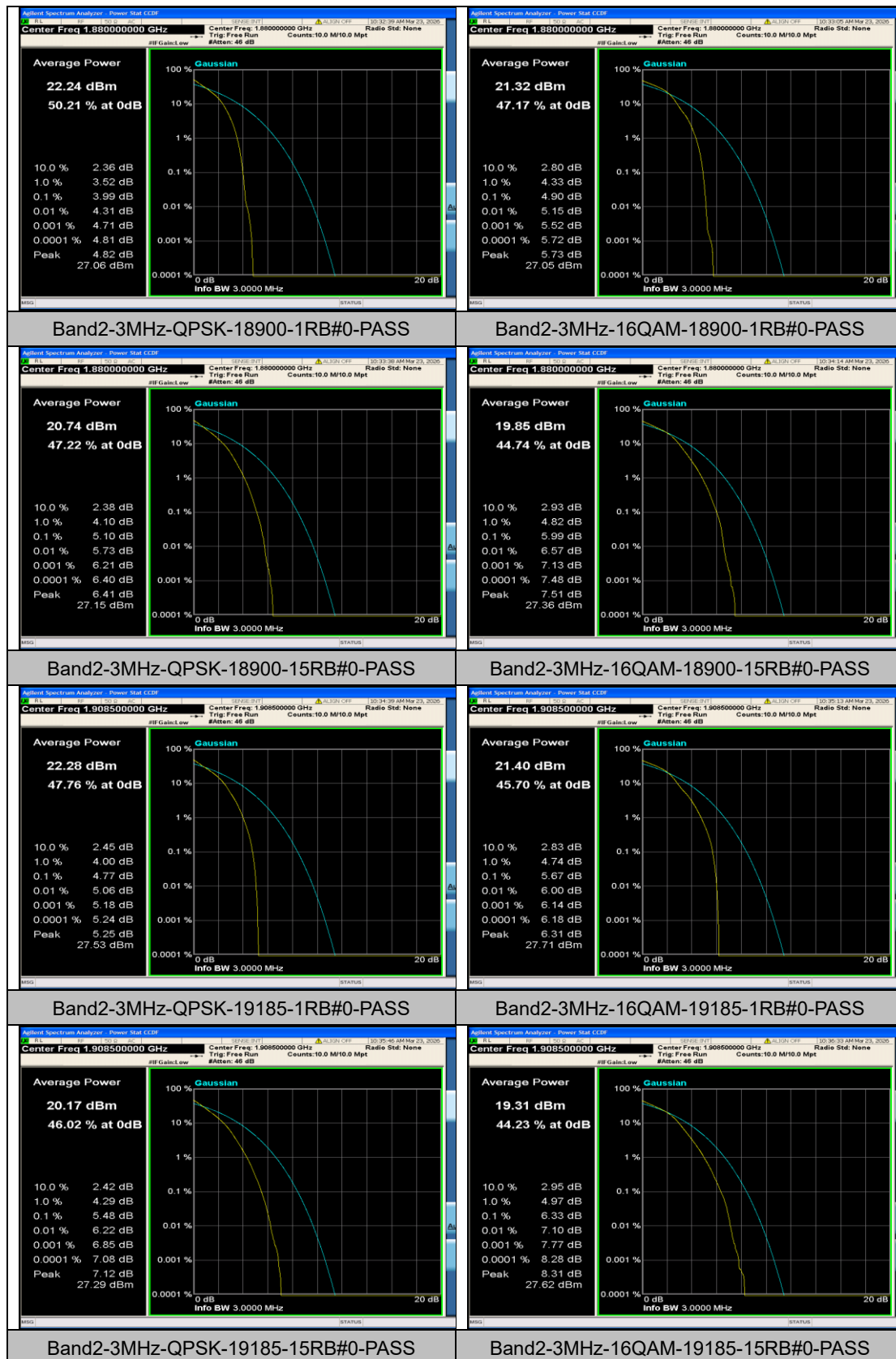
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	5.05	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.77	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.62	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.46	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	3.87	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	4.94	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.95	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.74	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	5.16	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	6.08	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.54	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.37	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	5.14	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.90	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.58	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.39	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	3.99	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	4.90	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.10	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.99	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.77	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.67	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.48	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.33	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	5.22	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.81	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.75	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.48	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.01	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	4.82	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.28	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.00	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.49	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.24	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.56	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.24	13	PASS

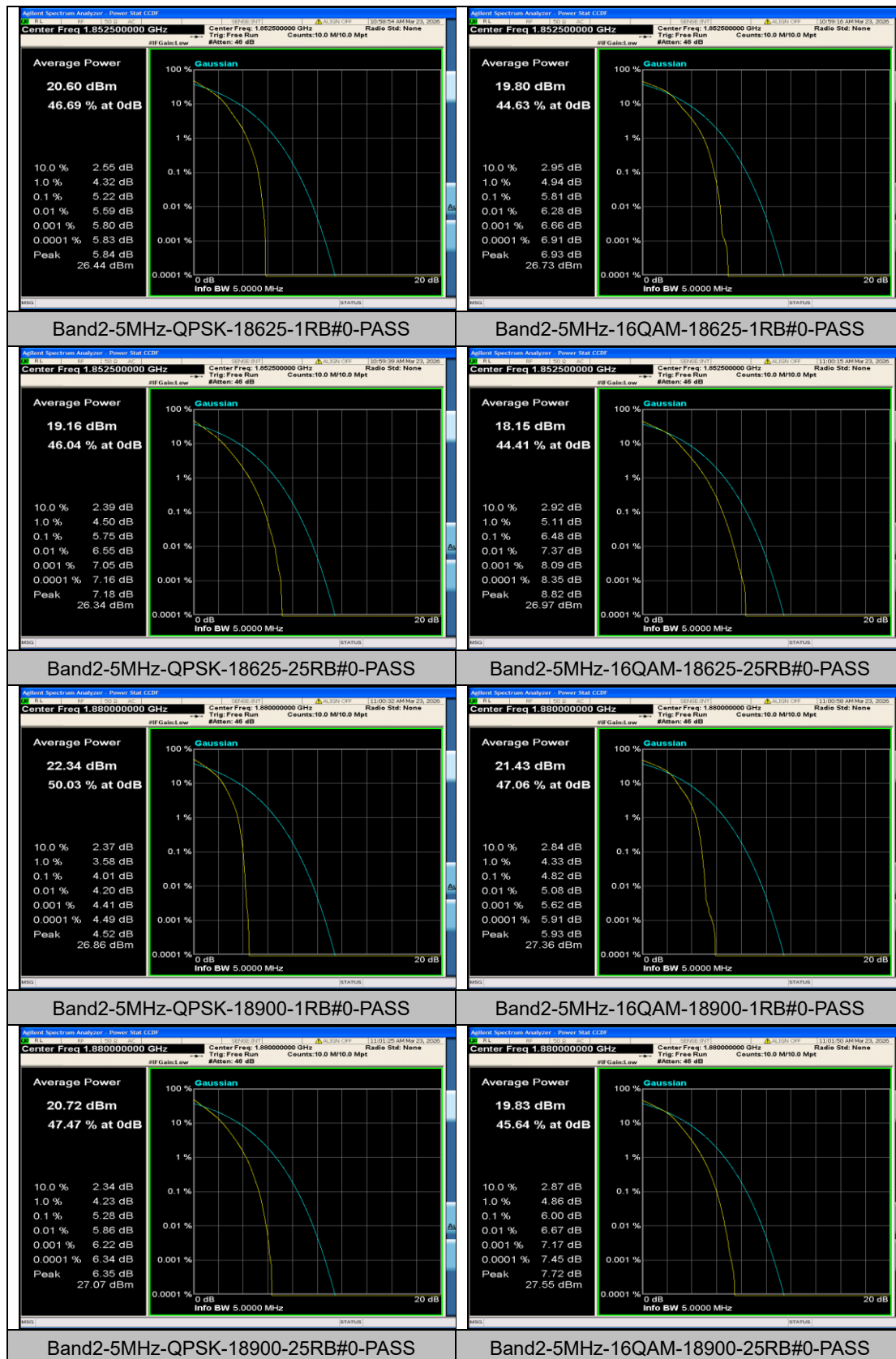
Band2	10MHz	QPSK	18650	1RB#0	5.09	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	6.04	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.38	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.19	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.66	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	6.57	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.79	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.46	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.80	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.06	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.86	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.93	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.73	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.86	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.83	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	6.29	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	6.13	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.17	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.91	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	5.69	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	6.53	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.91	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	6.04	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	7.00	13	PASS

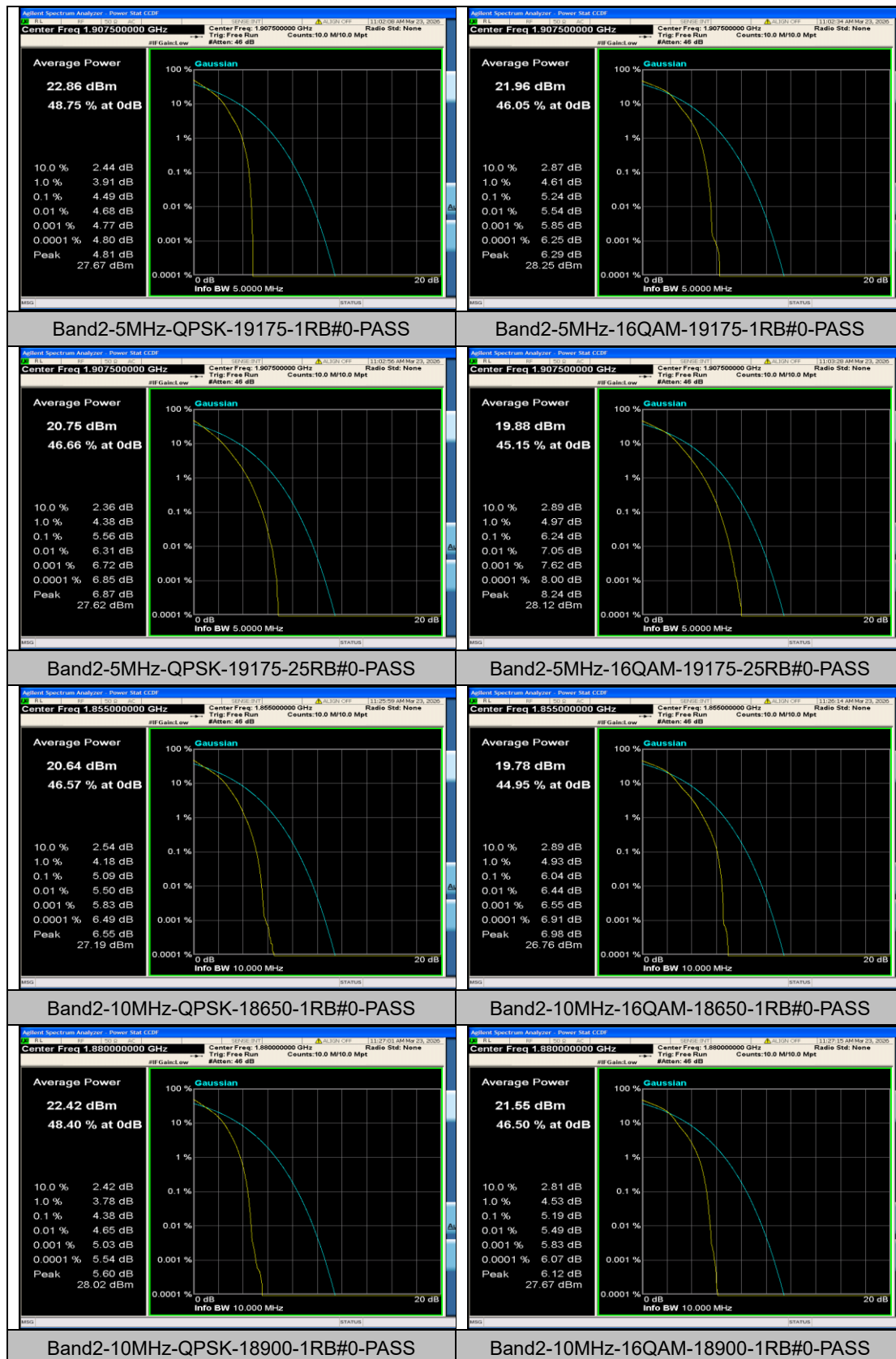
Test Graphs

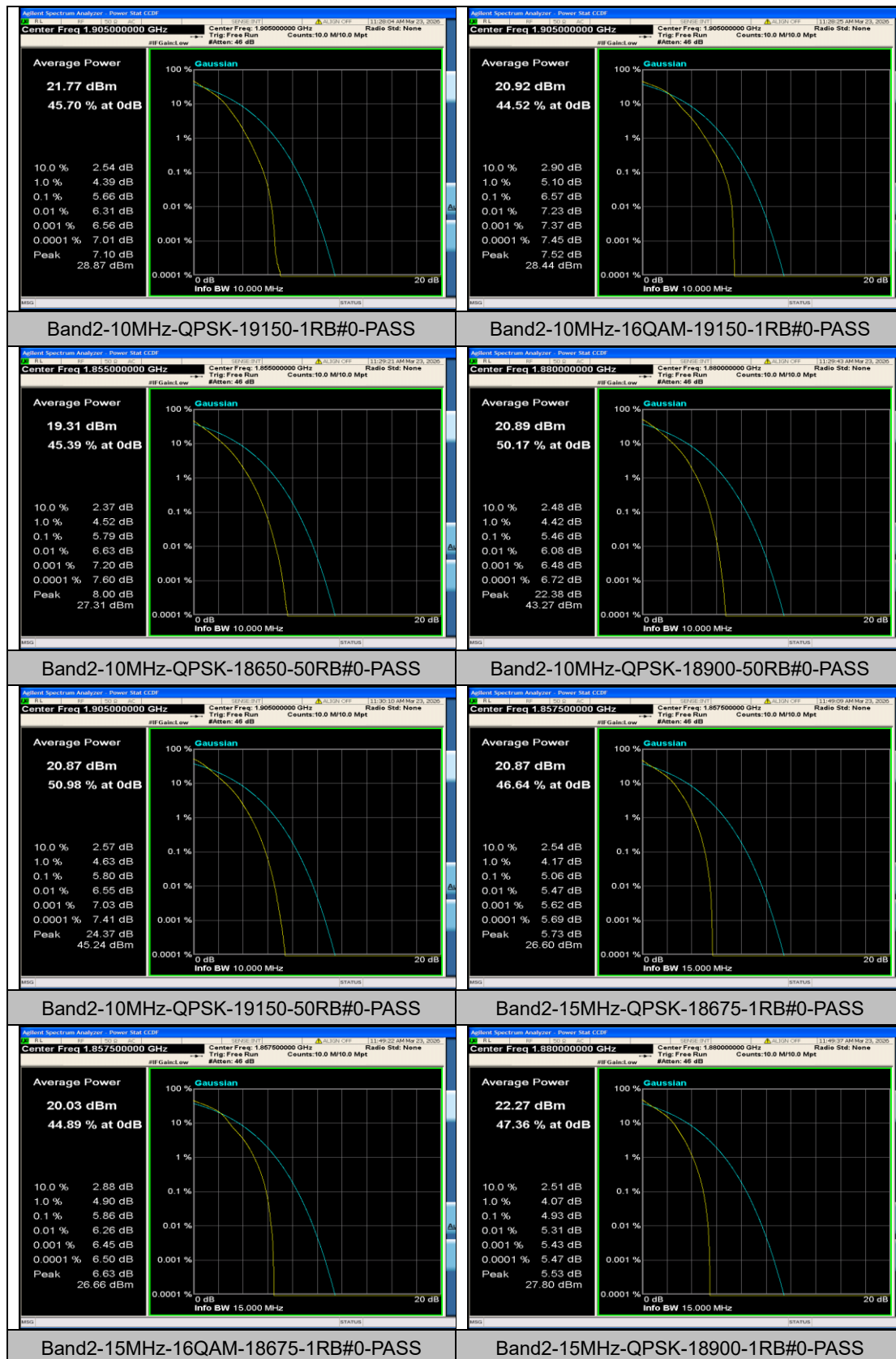


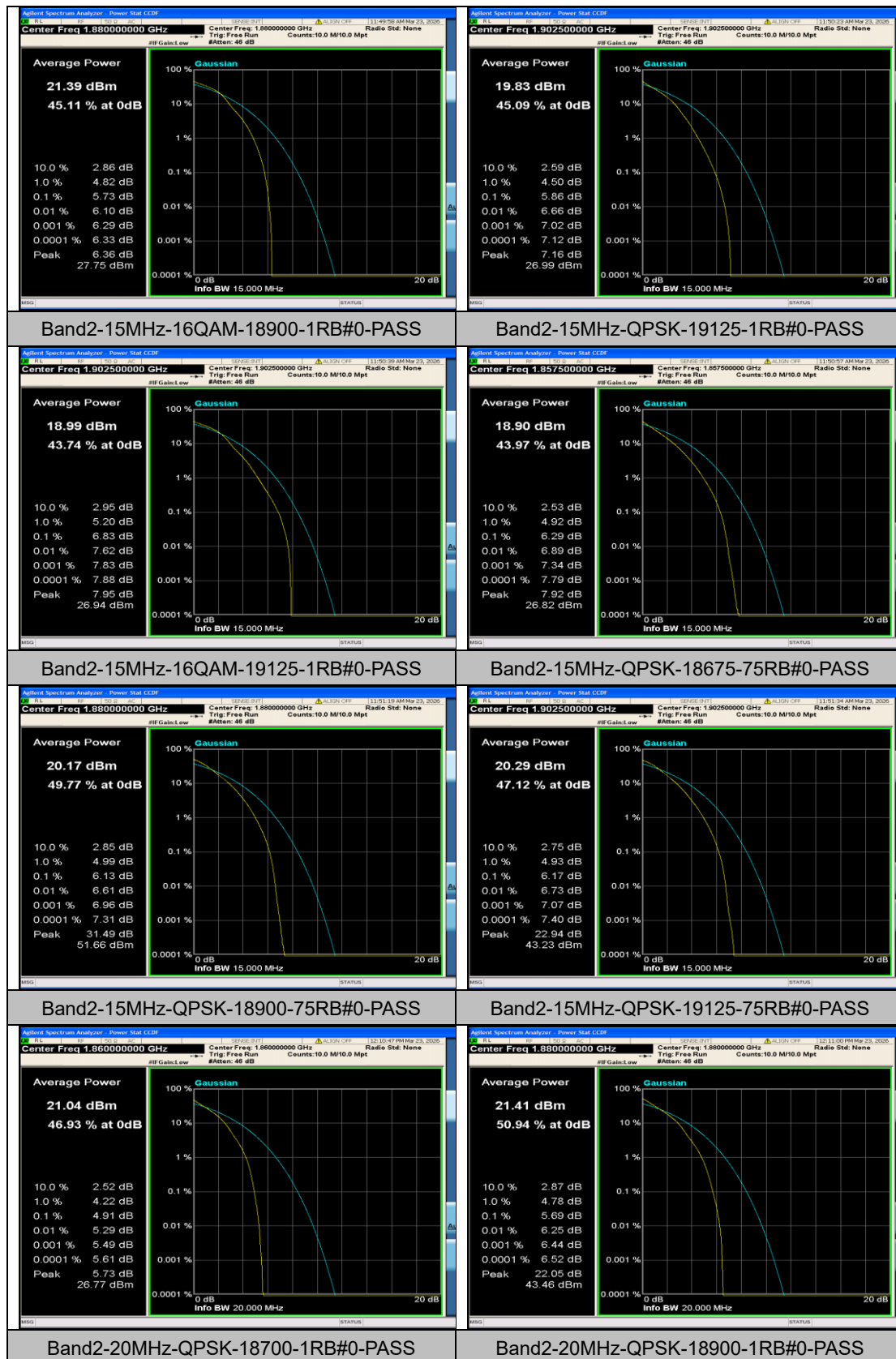


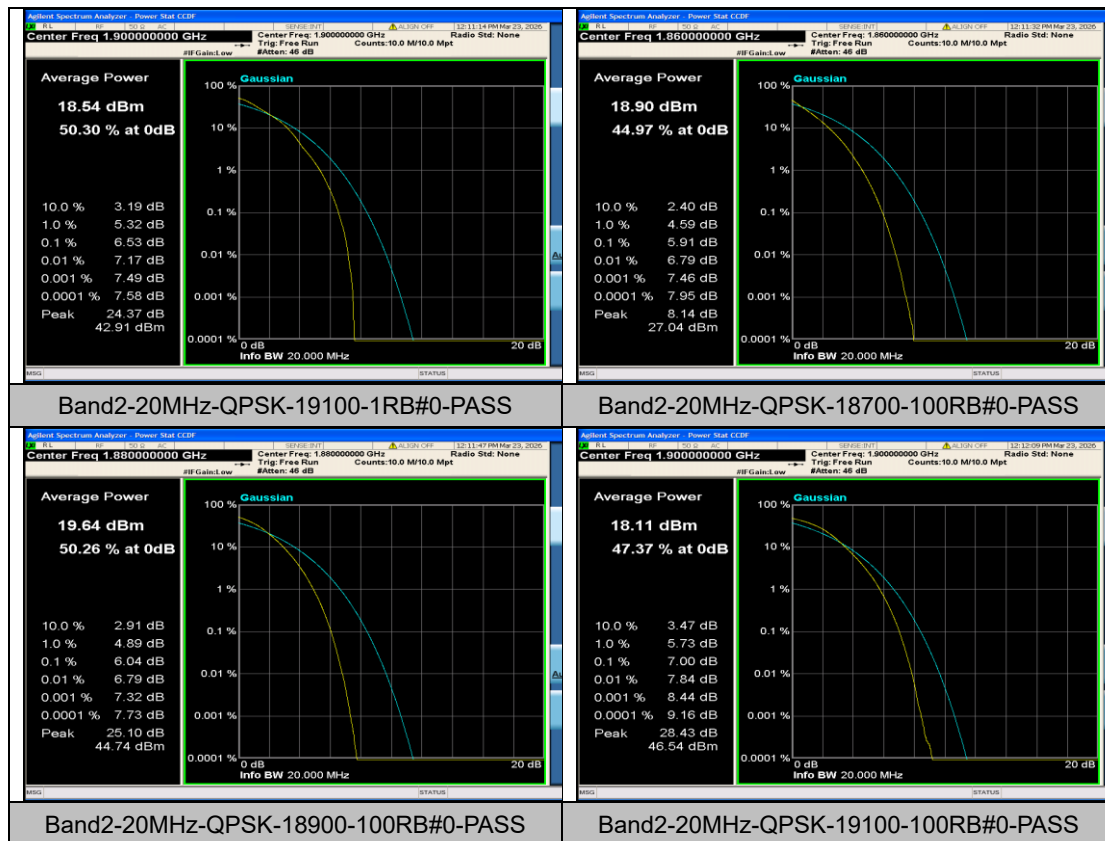










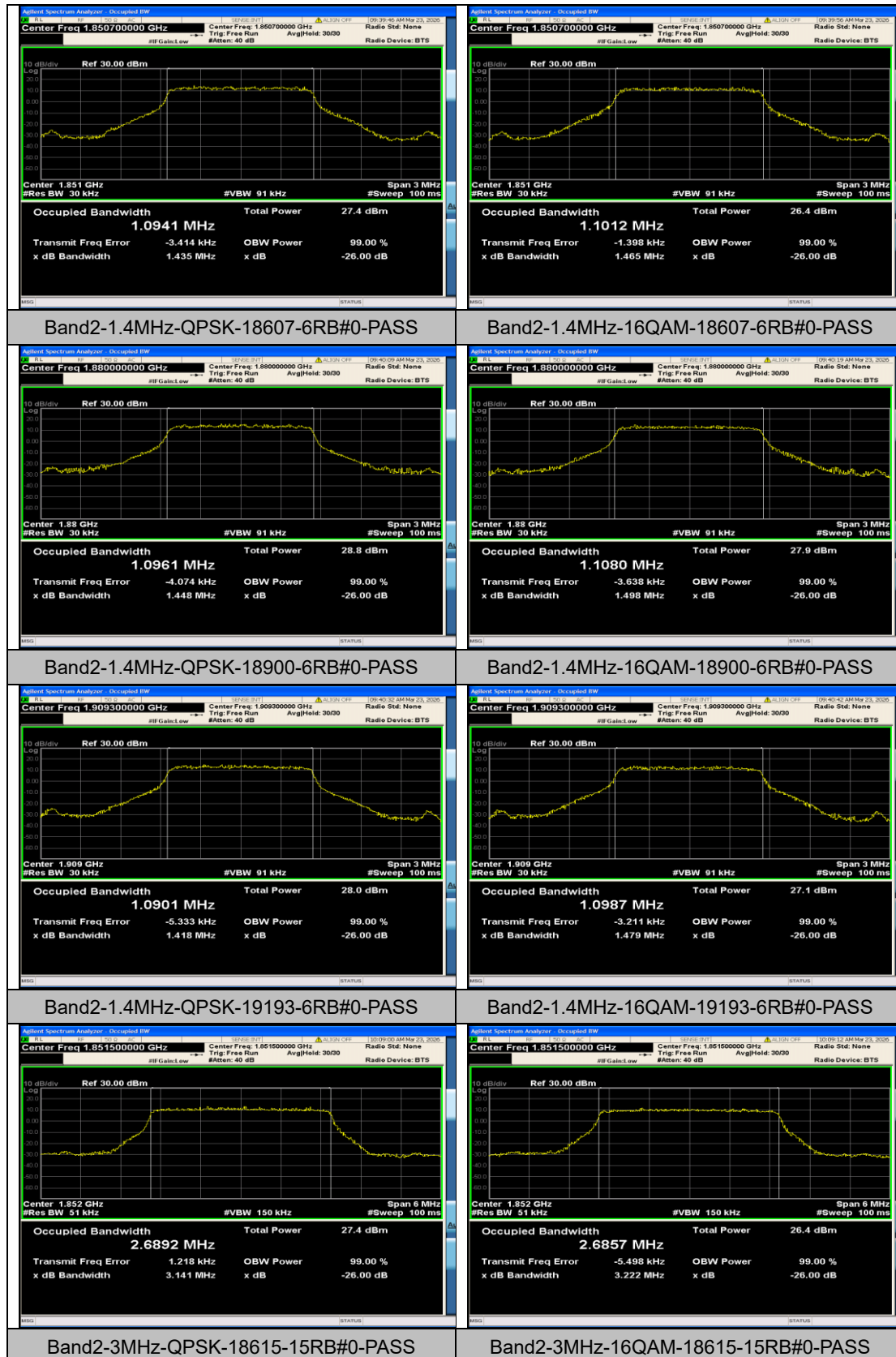


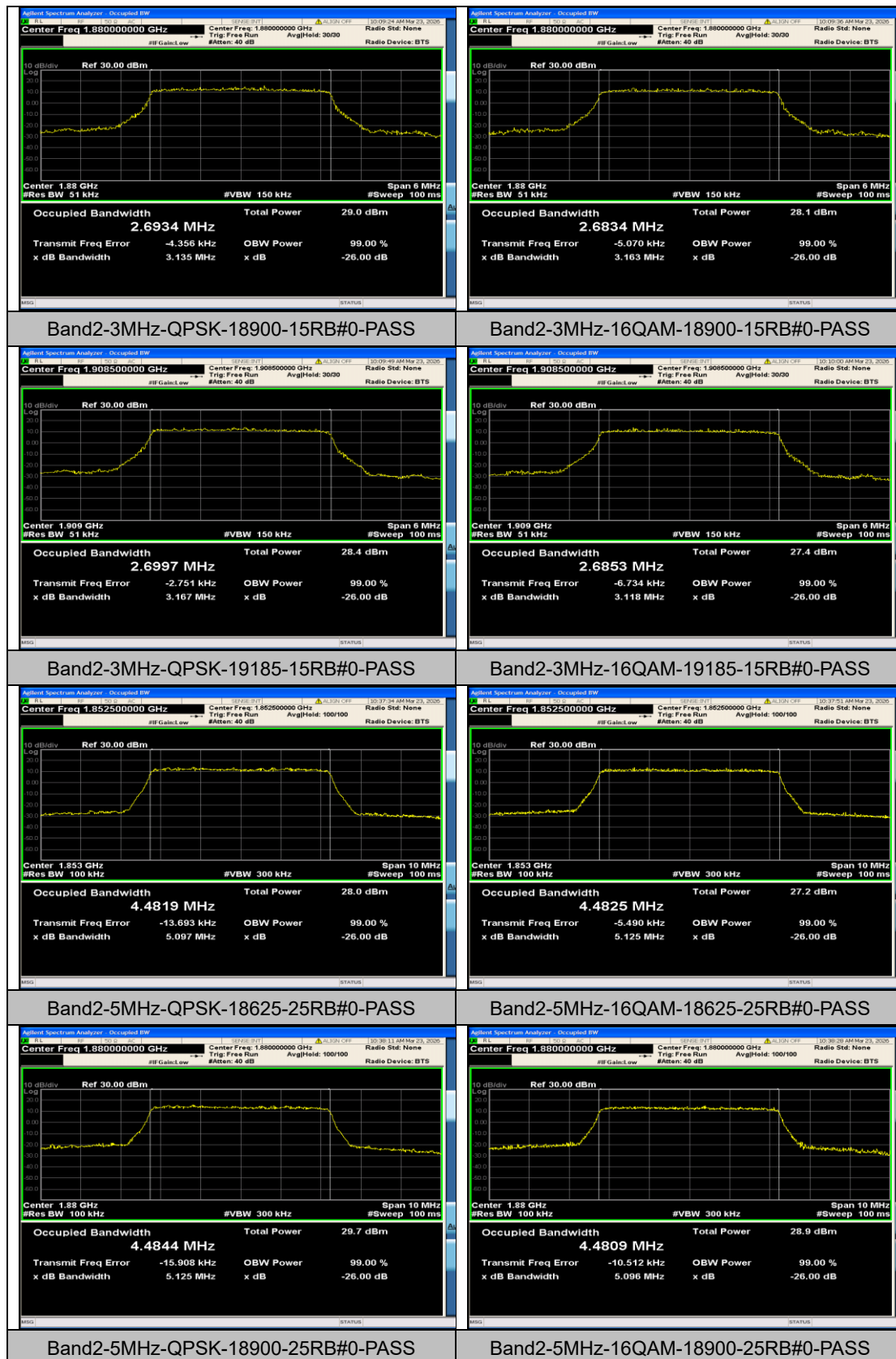
Appendix C: 26dB Bandwidth and Occupied Bandwidth

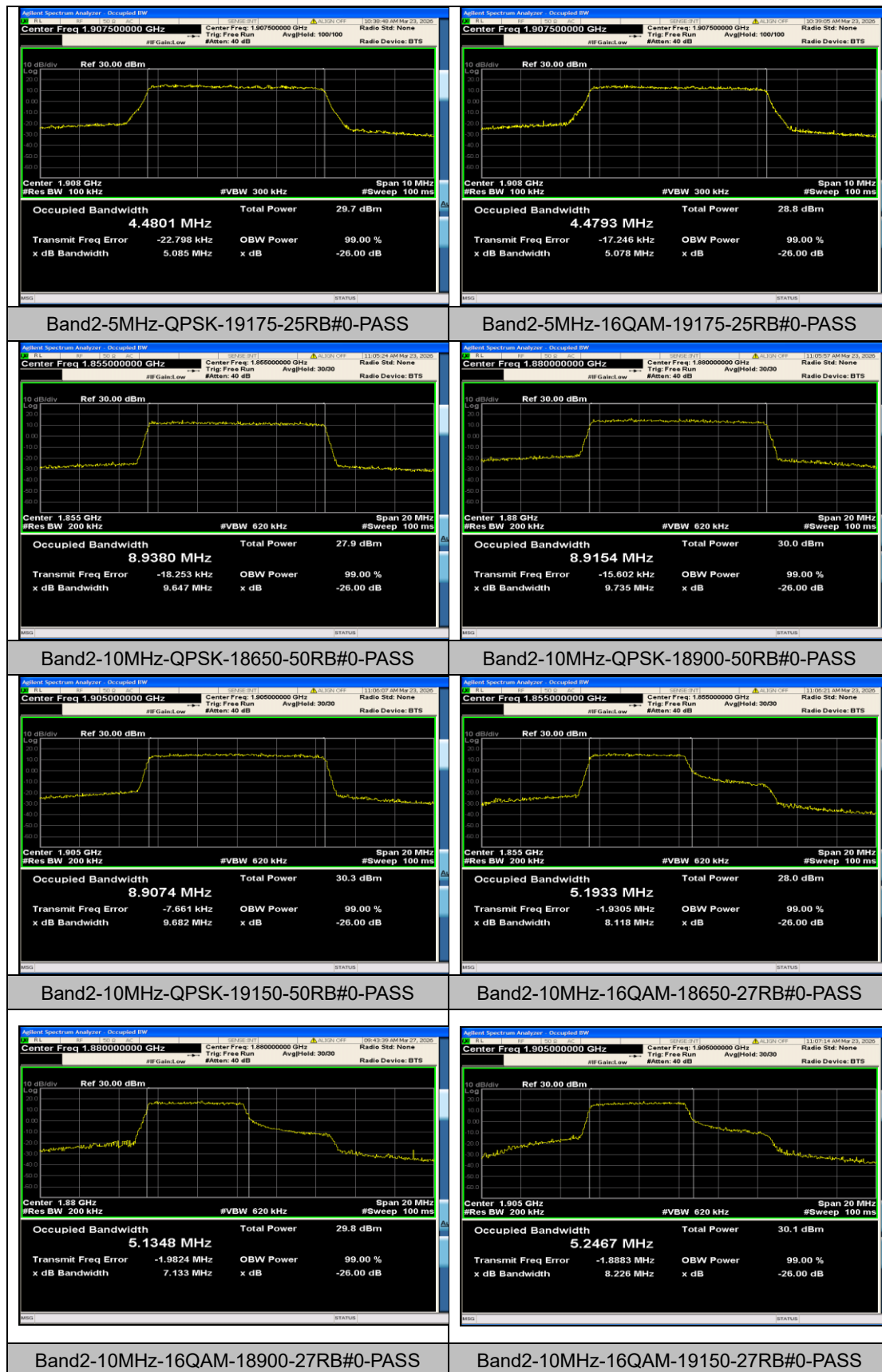
Test Result

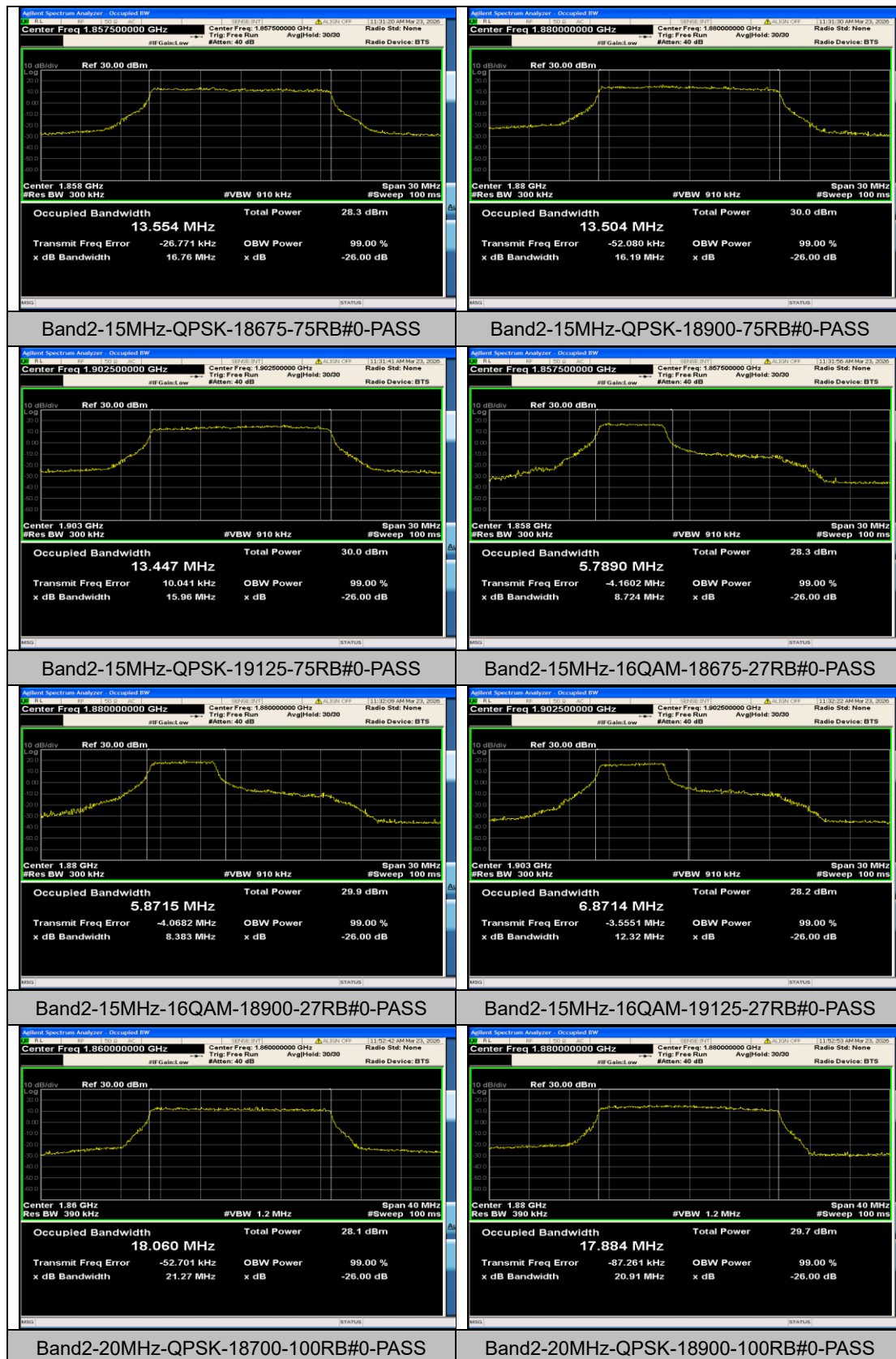
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0941	1.435	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1012	1.465	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0961	1.448	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1080	1.498	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0901	1.418	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0987	1.479	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6892	3.141	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6857	3.222	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6934	3.135	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6834	3.163	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6997	3.167	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6853	3.118	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4819	5.097	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4825	5.125	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4844	5.125	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4809	5.096	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4801	5.085	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4793	5.078	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9380	9.647	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9154	9.735	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9074	9.682	PASS
Band2	10MHz	16QAM	18650	27RB#0	5.1933	8.118	PASS
Band2	10MHz	16QAM	18900	27RB#0	5.1348	7.133	PASS
Band2	10MHz	16QAM	19150	27RB#0	5.2467	8.226	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.554	16.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.504	16.19	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.447	15.96	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.7890	8.724	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.8715	8.383	PASS
Band2	15MHz	16QAM	19125	27RB#0	6.8714	12.32	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.060	21.27	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.884	20.91	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.992	20.85	PASS
Band2	20MHz	16QAM	18700	27RB#0	7.0671	18.78	PASS
Band2	20MHz	16QAM	18900	27RB#0	7.2908	10.91	PASS
Band2	20MHz	16QAM	19100	27RB#0	9.8566	17.33	PASS

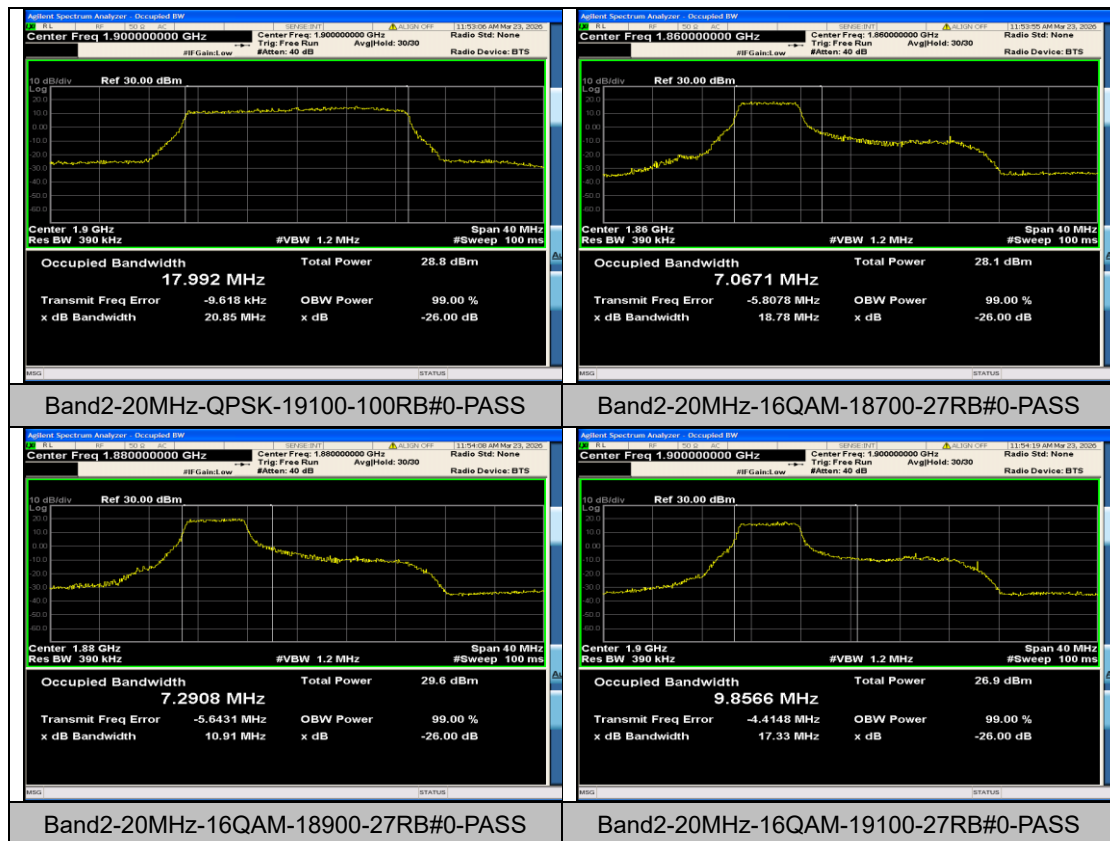
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-23.52	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-25.11	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-25.62	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-25.16	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-24.45	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-27.51	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-25.51	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-24.06	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-17.55	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-19.09	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-28.06	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-23.31	PASS
Band2	3MHz	QPSK	18615	1RB#0	-20.57	PASS
Band2	3MHz	16QAM	18615	1RB#0	-21.15	PASS
Band2	3MHz	QPSK	18615	1RB#14	-34.33	PASS
Band2	3MHz	16QAM	18615	1RB#14	-35.88	PASS
Band2	3MHz	QPSK	18615	15RB#0	-30.53	PASS
Band2	3MHz	16QAM	18615	15RB#0	-31.12	PASS
Band2	3MHz	QPSK	19185	1RB#0	-33.27	PASS
Band2	3MHz	16QAM	19185	1RB#0	-33.94	PASS
Band2	3MHz	QPSK	19185	1RB#14	-21.70	PASS
Band2	3MHz	16QAM	19185	1RB#14	-22.24	PASS
Band2	3MHz	QPSK	19185	15RB#0	-31.24	PASS
Band2	3MHz	16QAM	19185	15RB#0	-31.79	PASS
Band2	5MHz	QPSK	18625	1RB#0	-27.87	PASS
Band2	5MHz	16QAM	18625	1RB#0	-28.81	PASS
Band2	5MHz	QPSK	18625	1RB#24	-43.10	PASS
Band2	5MHz	16QAM	18625	1RB#24	-43.97	PASS
Band2	5MHz	QPSK	18625	25RB#0	-34.79	PASS
Band2	5MHz	16QAM	18625	25RB#0	-35.46	PASS
Band2	5MHz	QPSK	19175	1RB#0	-44.32	PASS
Band2	5MHz	16QAM	19175	1RB#0	-45.09	PASS
Band2	5MHz	QPSK	19175	1RB#24	-27.20	PASS
Band2	5MHz	16QAM	19175	1RB#24	-29.25	PASS
Band2	5MHz	QPSK	19175	25RB#0	-35.24	PASS
Band2	5MHz	16QAM	19175	25RB#0	-36.69	PASS
Band2	10MHz	QPSK	18650	1RB#0	-41.53	PASS

Band2	10MHz	16QAM	18650	1RB#0	-41.83	PASS
Band2	10MHz	QPSK	18650	1RB#49	-51.08	PASS
Band2	10MHz	16QAM	18650	1RB#49	-51.39	PASS
Band2	10MHz	QPSK	19150	1RB#0	-51.82	PASS
Band2	10MHz	16QAM	19150	1RB#0	-52.18	PASS
Band2	10MHz	QPSK	19150	1RB#49	-40.11	PASS
Band2	10MHz	16QAM	19150	1RB#49	-40.94	PASS
Band2	10MHz	QPSK	18650	50RB#0	-38.75	PASS
Band2	10MHz	QPSK	19150	50RB#0	-37.56	PASS
Band2	15MHz	QPSK	18675	1RB#0	-37.83	PASS
Band2	15MHz	16QAM	18675	1RB#0	-38.04	PASS
Band2	15MHz	QPSK	18675	1RB#74	-44.31	PASS
Band2	15MHz	16QAM	18675	1RB#74	-45.01	PASS
Band2	15MHz	QPSK	19125	1RB#0	-47.47	PASS
Band2	15MHz	16QAM	19125	1RB#0	-47.56	PASS
Band2	15MHz	QPSK	19125	1RB#74	-38.15	PASS
Band2	15MHz	16QAM	19125	1RB#74	-38.88	PASS
Band2	15MHz	QPSK	18675	75RB#0	-35.15	PASS
Band2	15MHz	QPSK	19125	75RB#0	-35.10	PASS
Band2	20MHz	QPSK	18700	1RB#0	-39.67	PASS
Band2	20MHz	16QAM	18700	1RB#0	-39.66	PASS
Band2	20MHz	QPSK	18700	1RB#99	-40.56	PASS
Band2	20MHz	16QAM	18700	1RB#99	-41.54	PASS
Band2	20MHz	QPSK	19100	1RB#0	-45.62	PASS
Band2	20MHz	16QAM	19100	1RB#0	-45.61	PASS
Band2	20MHz	QPSK	19100	1RB#99	-40.69	PASS
Band2	20MHz	16QAM	19100	1RB#99	-41.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	-34.14	PASS
Band2	20MHz	QPSK	19100	100RB#0	-36.19	PASS

Test Graphs

