

FCC Appendix RF Test Data for LTE Band 25

Company: : **Gastor Pty Ltd**

EUT : **GPS tracker**

Model Number : **AG45**

FCC ID : **2BU7Q-AG45**

Report No. : **CTA26031300109**

Reviewed By : **Eric Wang**

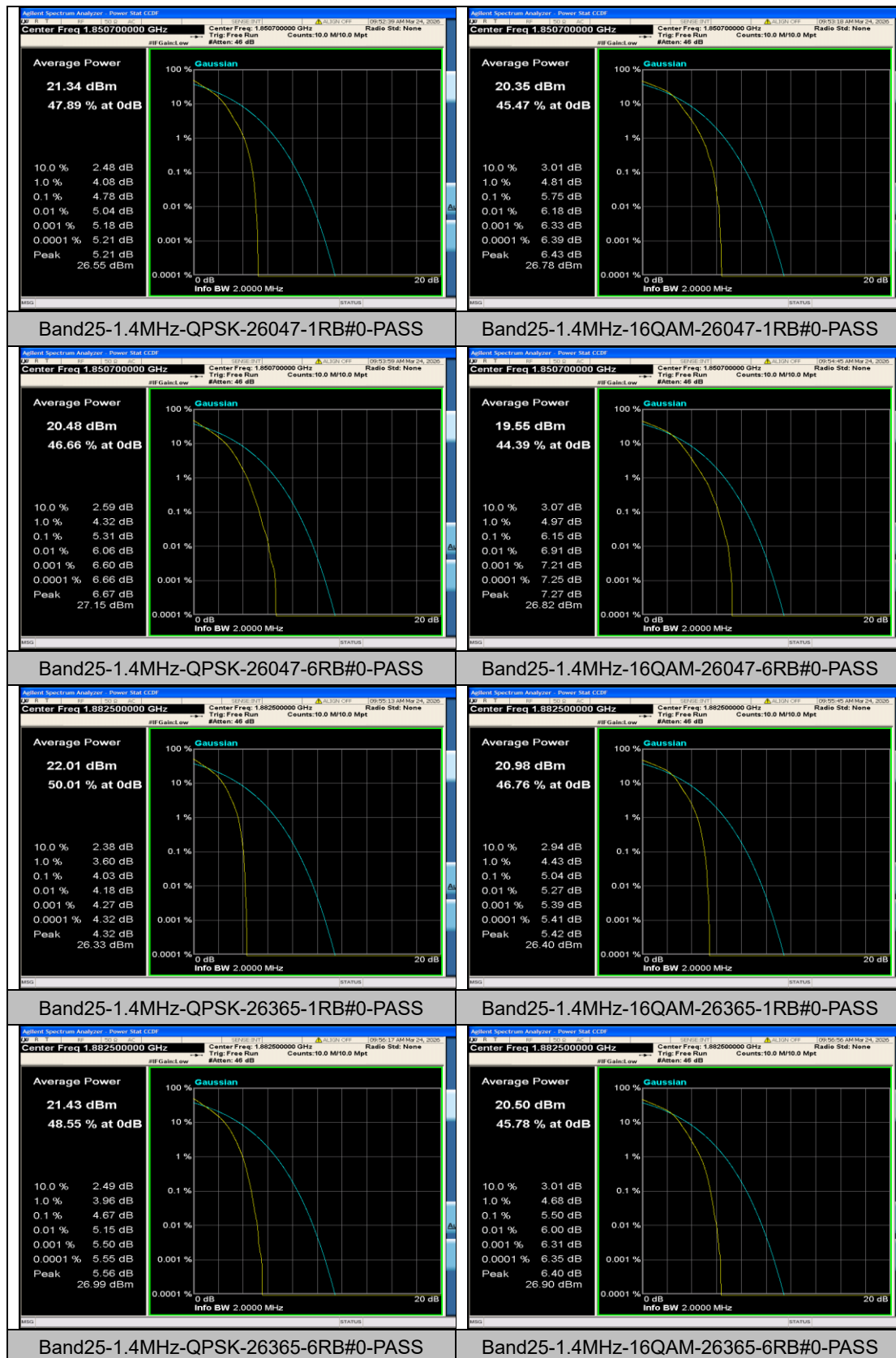
Appendix B: Peak-to-Average Ratio(CCDF)

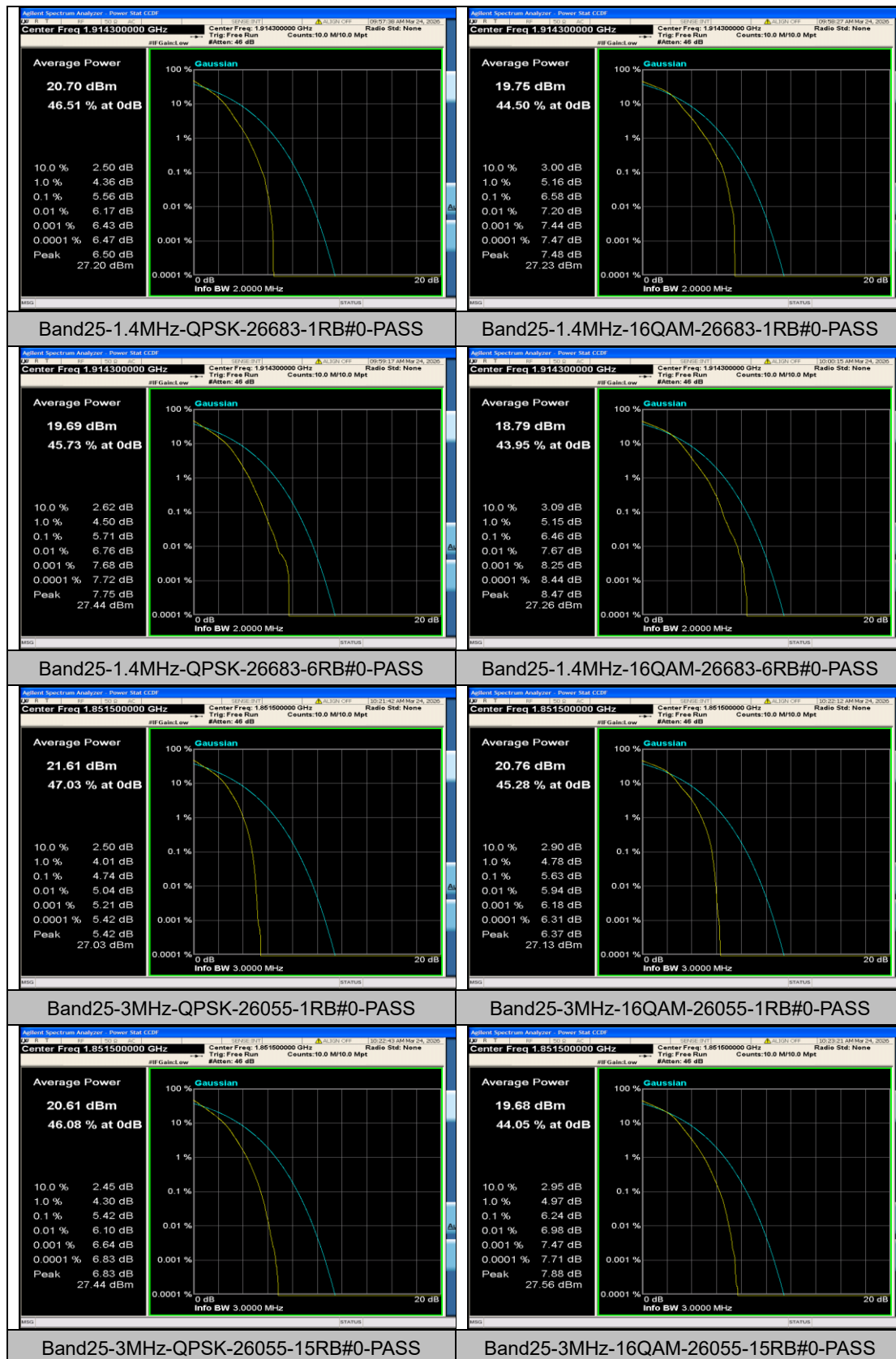
Test Result

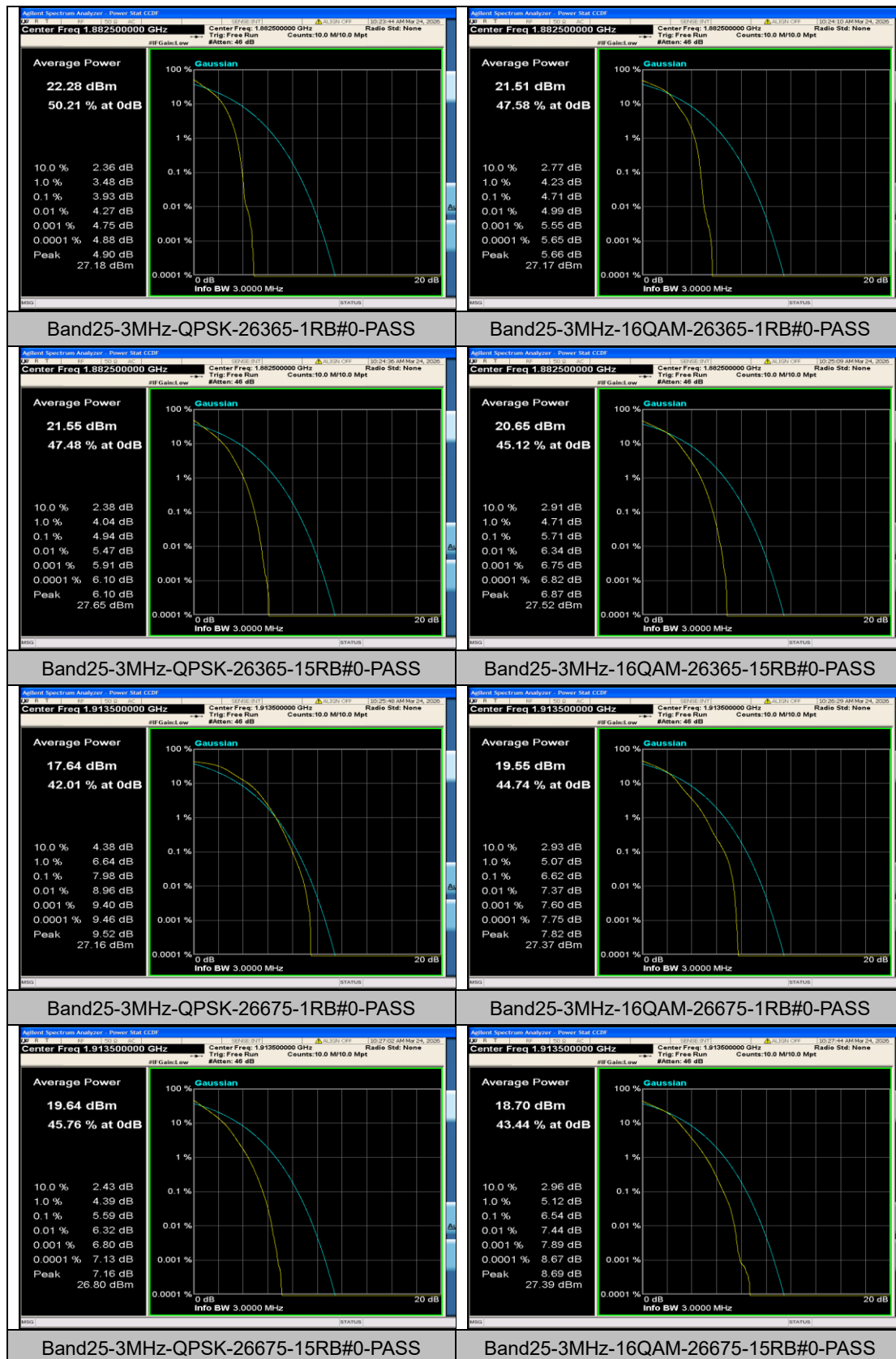
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	4.78	13	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	5.75	13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	5.31	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	6.15	13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	4.03	13	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	5.04	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	4.67	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.50	13	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	5.56	13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	6.58	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	5.71	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	6.46	13	PASS
Band25	3MHz	QPSK	26055	1RB#0	4.74	13	PASS
Band25	3MHz	16QAM	26055	1RB#0	5.63	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.42	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	6.24	13	PASS
Band25	3MHz	QPSK	26365	1RB#0	3.93	13	PASS
Band25	3MHz	16QAM	26365	1RB#0	4.71	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	4.94	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	5.71	13	PASS
Band25	3MHz	QPSK	26675	1RB#0	7.98	13	PASS
Band25	3MHz	16QAM	26675	1RB#0	6.62	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.59	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.54	13	PASS
Band25	5MHz	QPSK	26065	1RB#0	4.75	13	PASS
Band25	5MHz	16QAM	26065	1RB#0	5.45	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.62	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	6.35	13	PASS
Band25	5MHz	QPSK	26365	1RB#0	3.85	13	PASS
Band25	5MHz	16QAM	26365	1RB#0	4.53	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.08	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	5.80	13	PASS
Band25	5MHz	QPSK	26665	1RB#0	5.54	13	PASS
Band25	5MHz	16QAM	26665	1RB#0	5.96	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.85	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.53	13	PASS

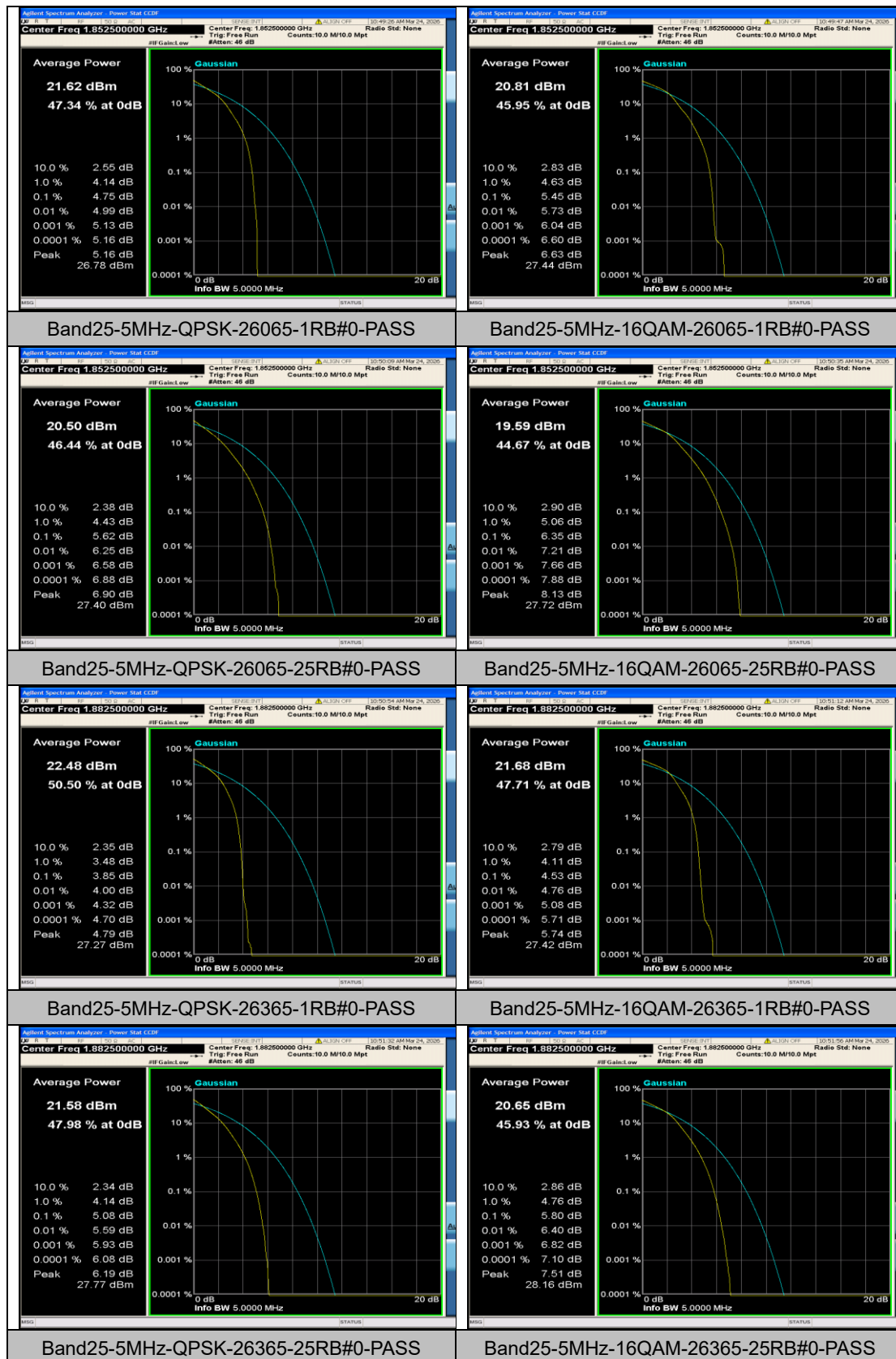
Band25	10MHz	QPSK	26090	1RB#0	4.71	13	PASS
Band25	10MHz	16QAM	26090	1RB#0	5.55	13	PASS
Band25	10MHz	QPSK	26365	1RB#0	3.90	13	PASS
Band25	10MHz	16QAM	26365	1RB#0	4.81	13	PASS
Band25	10MHz	QPSK	26640	1RB#0	4.15	13	PASS
Band25	10MHz	16QAM	26640	1RB#0	5.13	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.65	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.33	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	6.62	13	PASS
Band25	15MHz	QPSK	26115	1RB#0	4.53	13	PASS
Band25	15MHz	16QAM	26115	1RB#0	5.40	13	PASS
Band25	15MHz	QPSK	26365	1RB#0	4.15	13	PASS
Band25	15MHz	16QAM	26365	1RB#0	5.05	13	PASS
Band25	15MHz	QPSK	26615	1RB#0	5.64	13	PASS
Band25	15MHz	16QAM	26615	1RB#0	6.55	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	6.14	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.70	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	6.23	13	PASS
Band25	20MHz	QPSK	26140	1RB#0	4.51	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	5.29	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	6.41	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.85	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.95	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	6.03	13	PASS

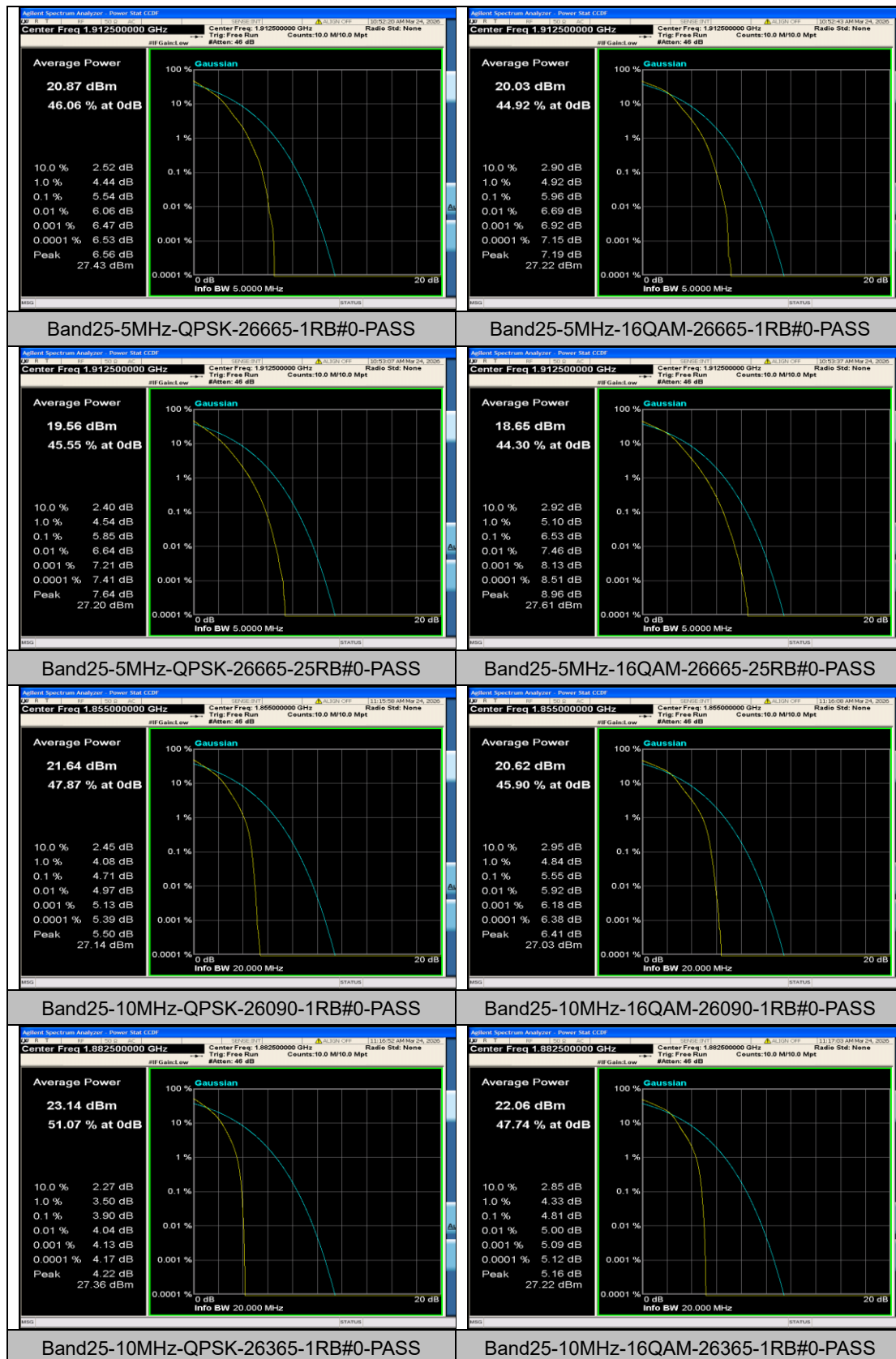
Test Graphs

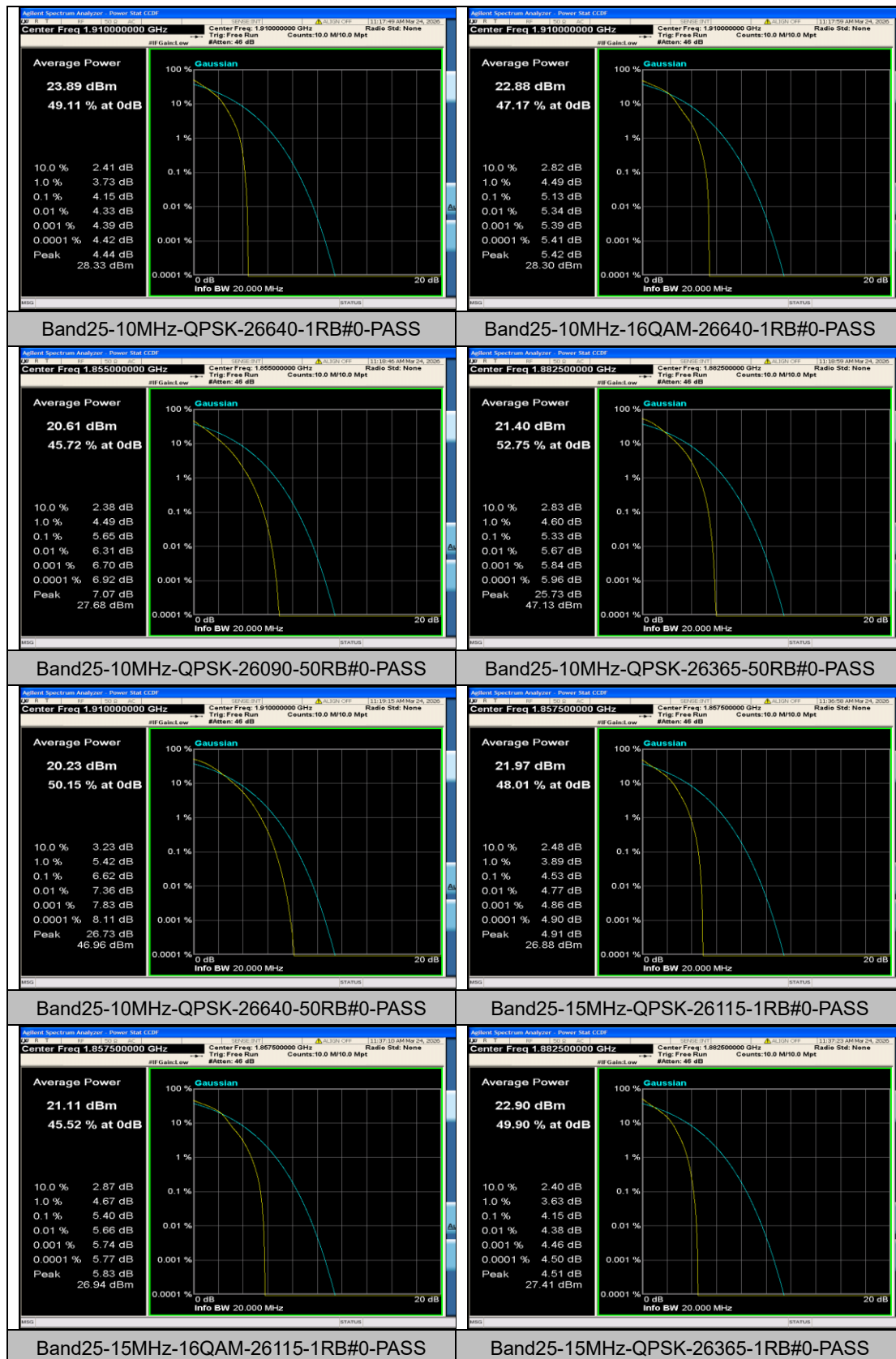


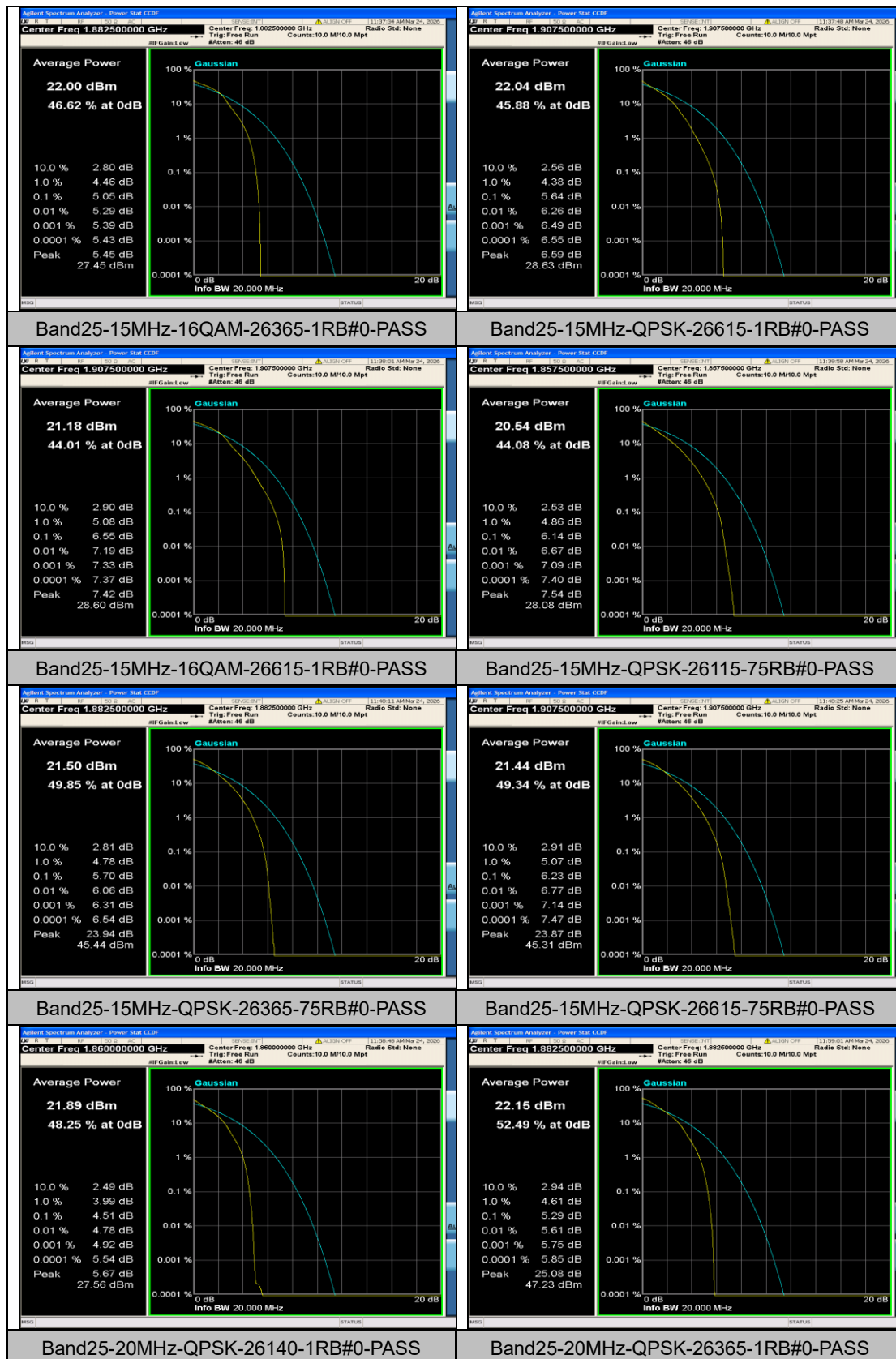


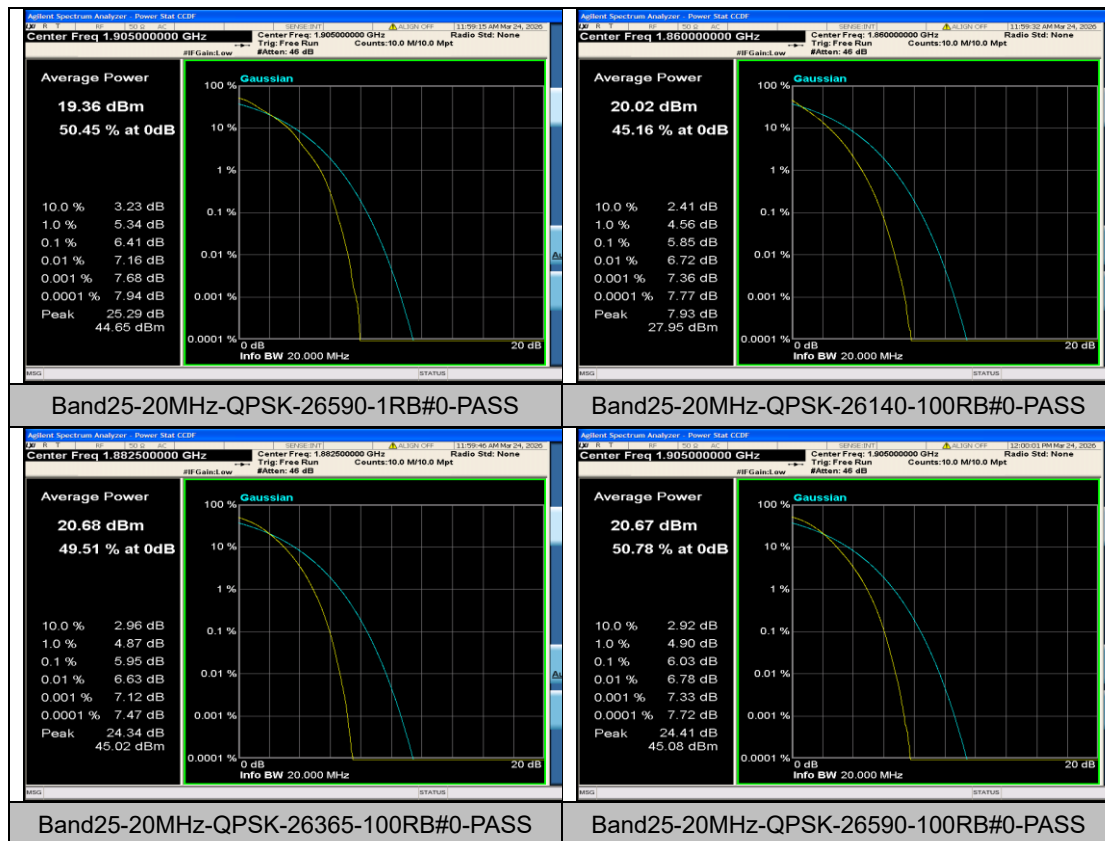










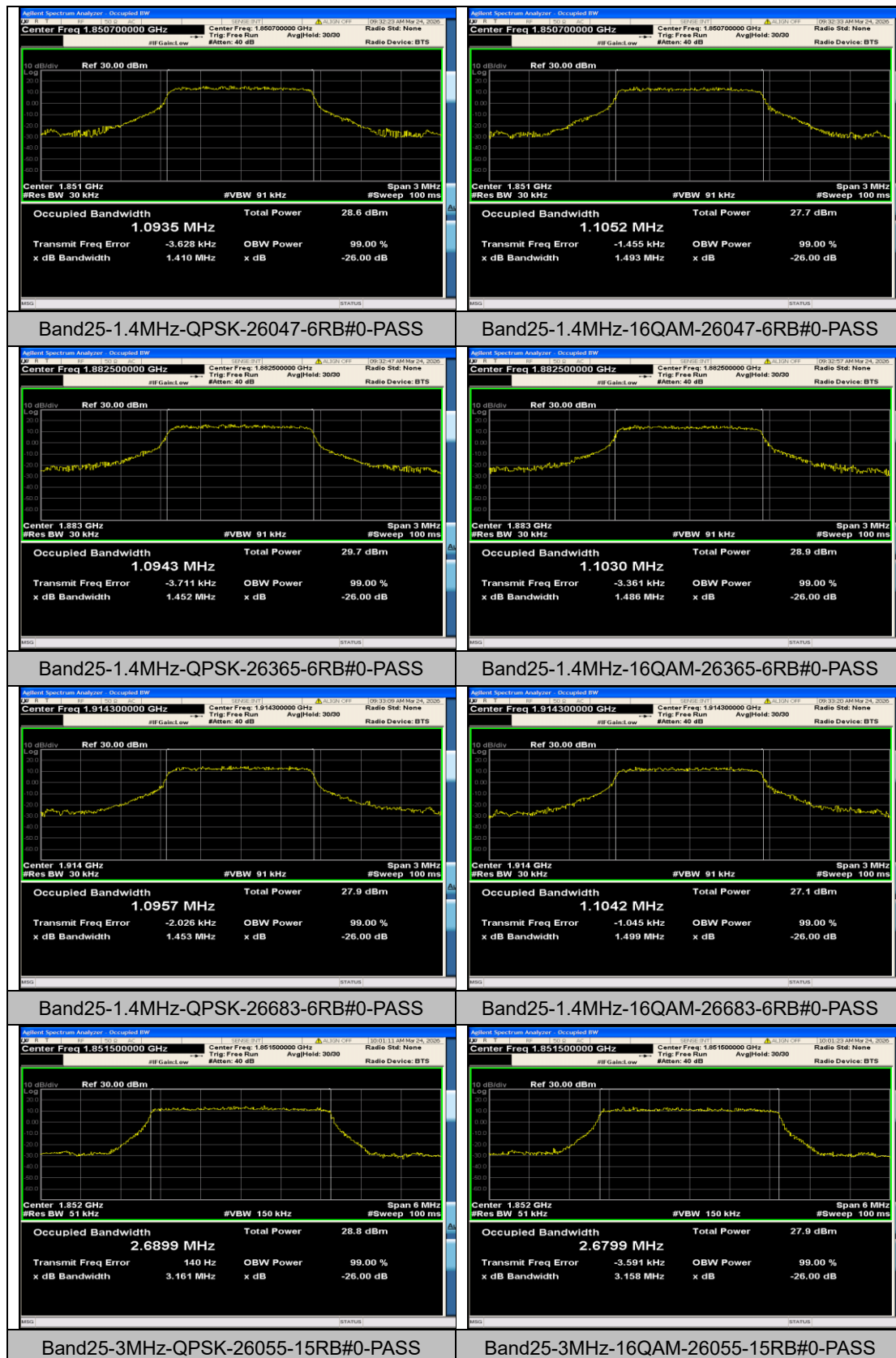


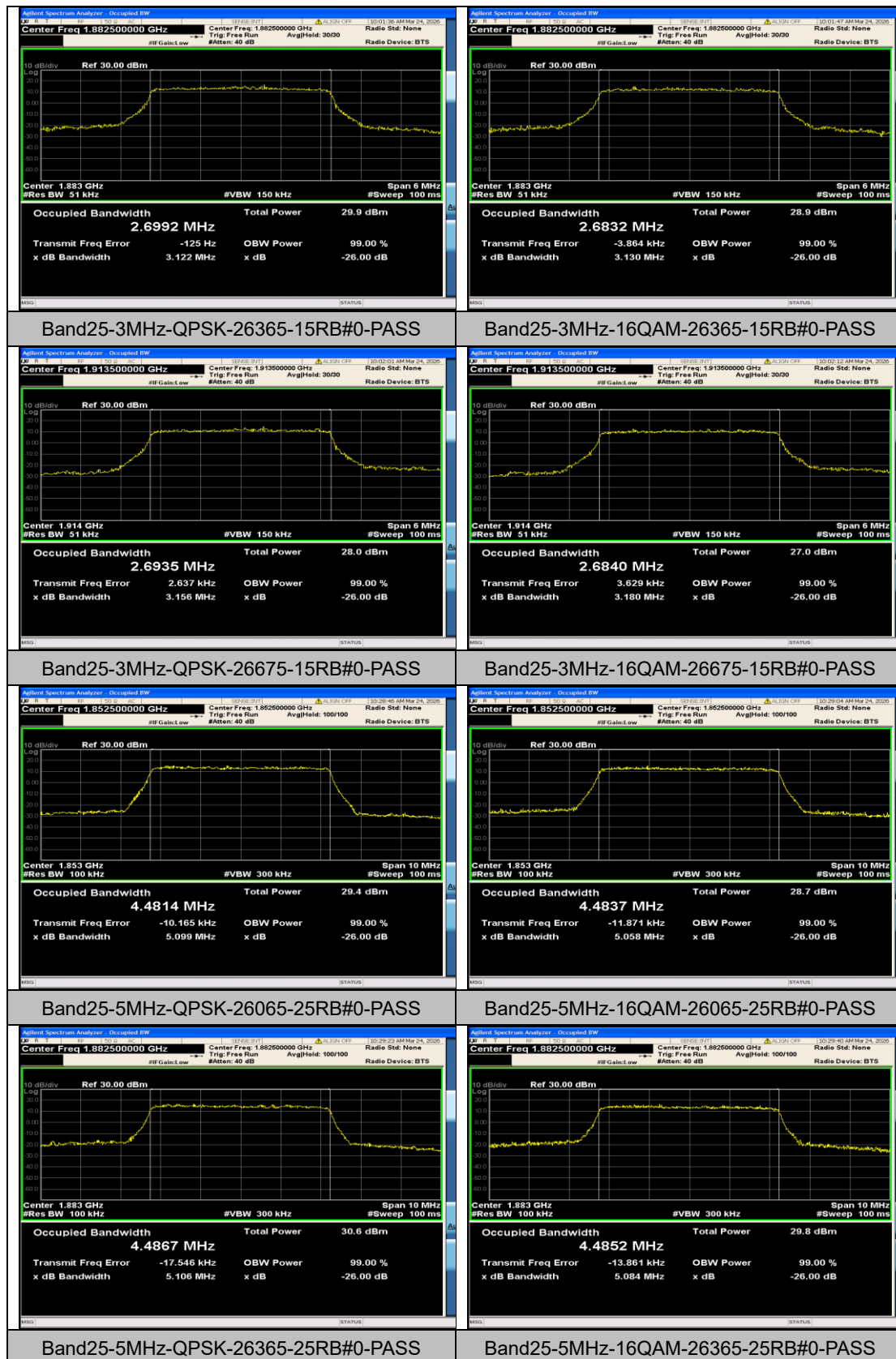
Appendix C: 26dB Bandwidth and Occupied Bandwidth

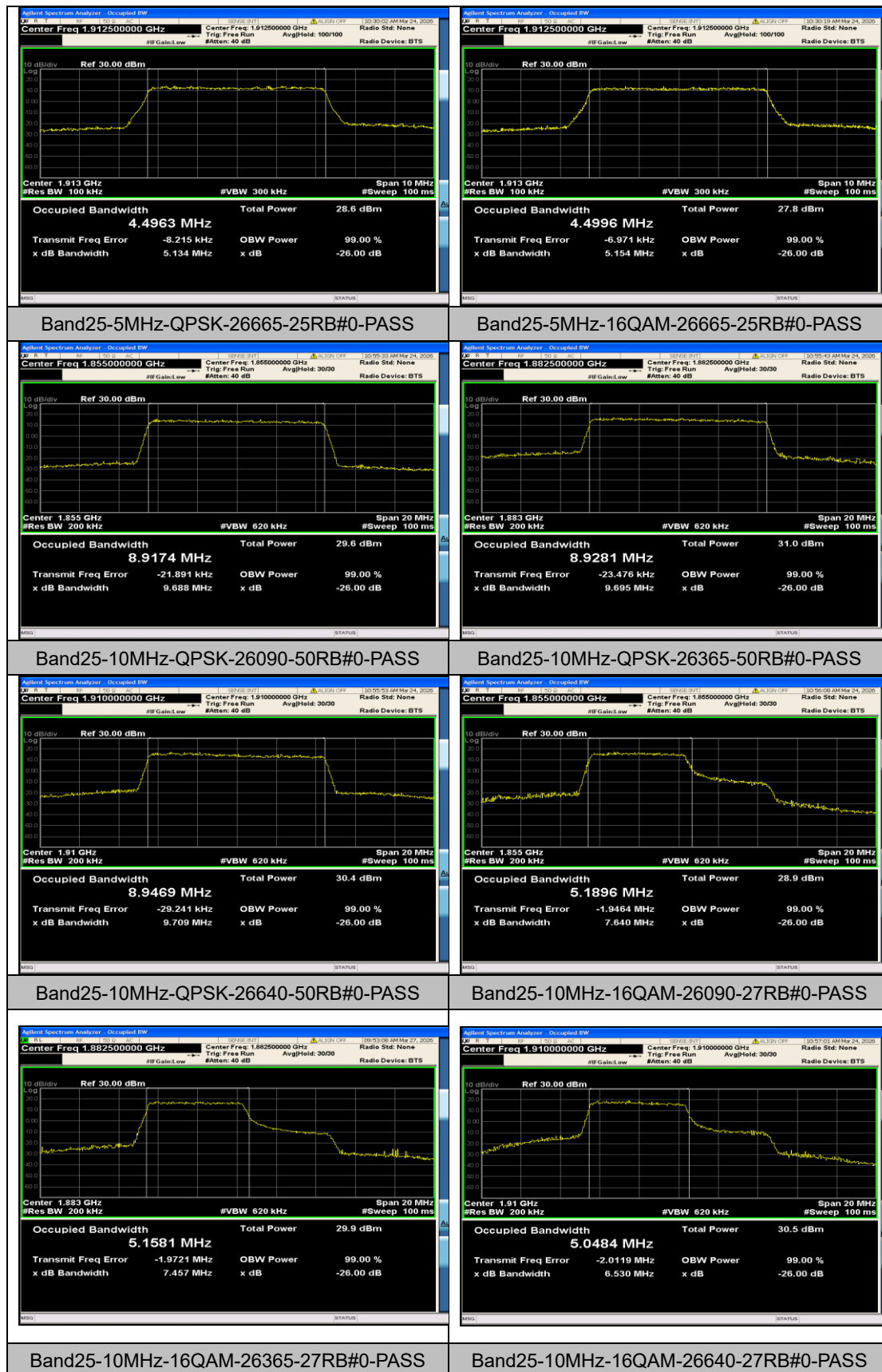
Test Result

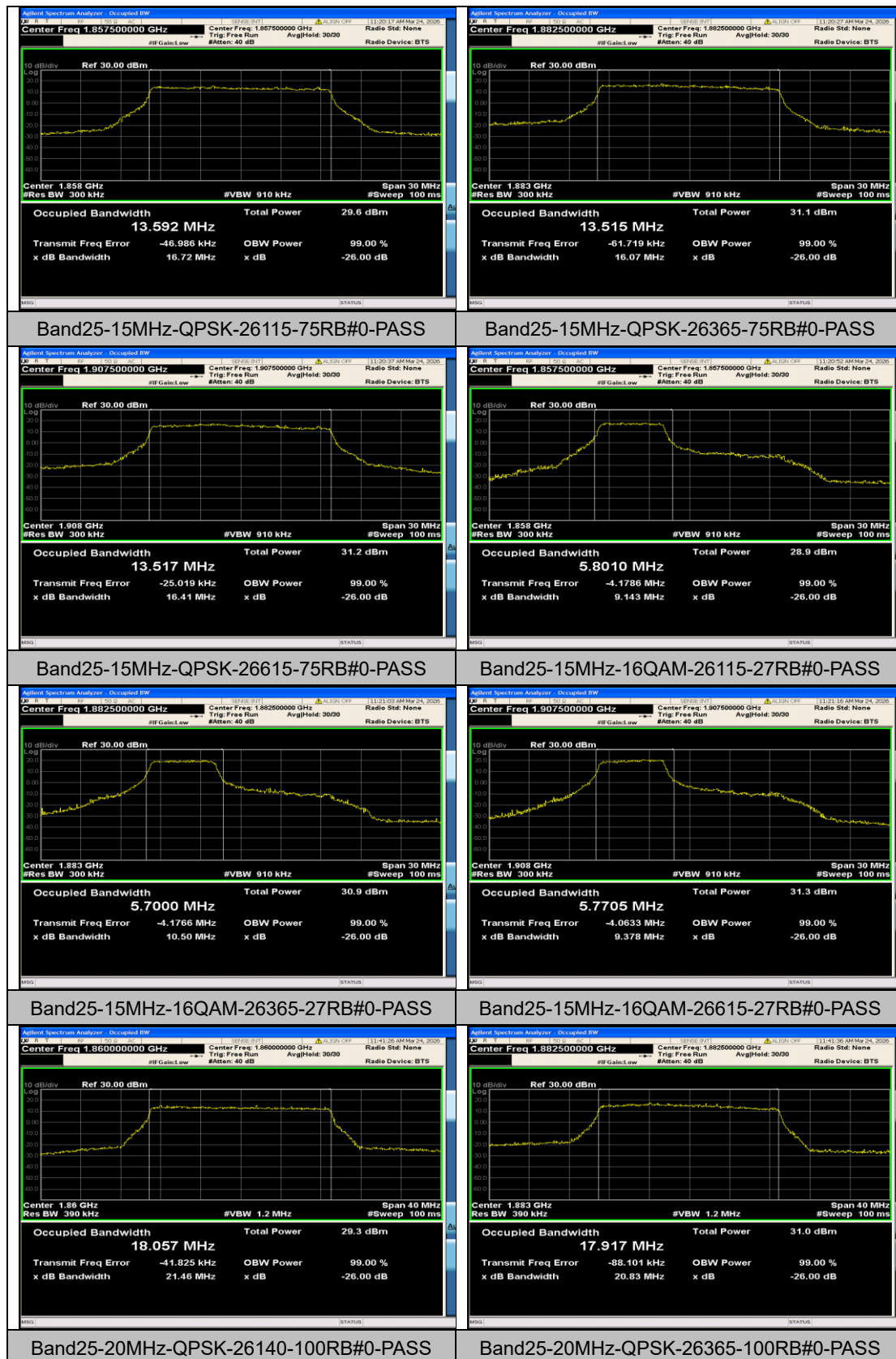
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0935	1.410	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0943	1.452	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0957	1.453	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.1052	1.493	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.1030	1.486	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.1042	1.499	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6899	3.161	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6992	3.122	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6935	3.156	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6799	3.158	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6832	3.130	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6840	3.180	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.4814	5.099	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.4867	5.106	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.4963	5.134	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.4837	5.058	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.4852	5.084	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.4996	5.154	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9174	9.688	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9281	9.695	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9469	9.709	PASS
Band25	10MHz	16QAM	26090	27RB#0	5.1896	7.640	PASS
Band25	10MHz	16QAM	26365	27RB#0	5.1581	7.457	PASS
Band25	10MHz	16QAM	26640	27RB#0	5.0484	6.530	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.592	16.72	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.515	16.07	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.517	16.41	PASS
Band25	15MHz	16QAM	26115	27RB#0	5.8010	9.143	PASS
Band25	15MHz	16QAM	26365	27RB#0	5.7000	10.50	PASS
Band25	15MHz	16QAM	26615	27RB#0	5.7705	9.378	PASS
Band25	20MHz	QPSK	26140	100RB#0	18.057	21.46	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.917	20.83	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.901	20.65	PASS
Band25	20MHz	16QAM	26140	27RB#0	7.0509	9.926	PASS
Band25	20MHz	16QAM	26365	27RB#0	6.7726	10.75	PASS
Band25	20MHz	16QAM	26590	27RB#0	8.5887	14.54	PASS

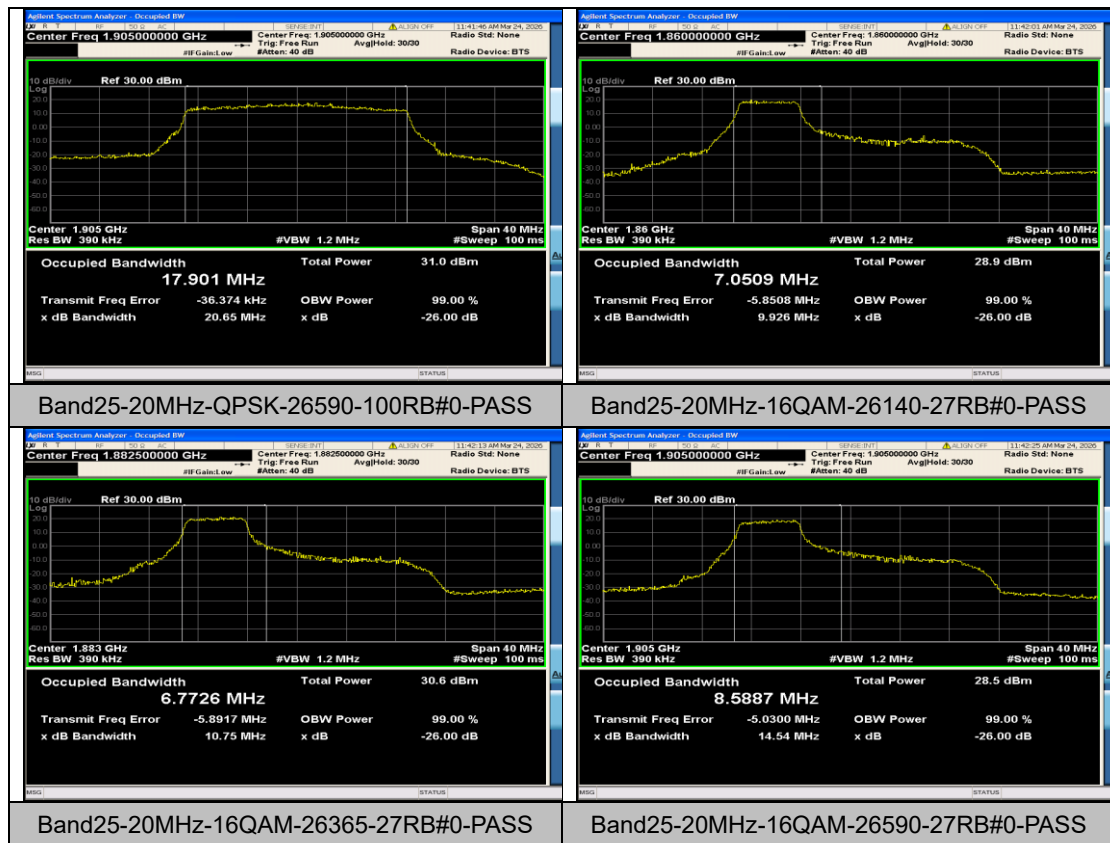
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	-19.29	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	-18.48	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	-26.34	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	-27.29	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	-23.90	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-20.58	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	-26.82	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	-25.12	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	-26.44	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	-23.31	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-22.56	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-25.97	PASS
Band25	3MHz	QPSK	26055	1RB#0	-19.29	PASS
Band25	3MHz	16QAM	26055	1RB#0	-20.49	PASS
Band25	3MHz	QPSK	26055	1RB#14	-32.80	PASS
Band25	3MHz	16QAM	26055	1RB#14	-32.95	PASS
Band25	3MHz	QPSK	26055	15RB#0	-28.77	PASS
Band25	3MHz	16QAM	26055	15RB#0	-30.60	PASS
Band25	3MHz	QPSK	26675	1RB#0	-33.34	PASS
Band25	3MHz	16QAM	26675	1RB#0	-34.80	PASS
Band25	3MHz	QPSK	26675	1RB#14	-20.10	PASS
Band25	3MHz	16QAM	26675	1RB#14	-21.05	PASS
Band25	3MHz	QPSK	26675	15RB#0	-27.84	PASS
Band25	3MHz	16QAM	26675	15RB#0	-29.56	PASS
Band25	5MHz	QPSK	26065	1RB#0	-26.18	PASS
Band25	5MHz	16QAM	26065	1RB#0	-28.29	PASS
Band25	5MHz	QPSK	26065	1RB#24	-43.27	PASS
Band25	5MHz	16QAM	26065	1RB#24	-44.33	PASS
Band25	5MHz	QPSK	26065	25RB#0	-34.51	PASS
Band25	5MHz	16QAM	26065	25RB#0	-34.28	PASS
Band25	5MHz	QPSK	26665	1RB#0	-43.60	PASS
Band25	5MHz	16QAM	26665	1RB#0	-45.11	PASS
Band25	5MHz	QPSK	26665	1RB#24	-27.83	PASS
Band25	5MHz	16QAM	26665	1RB#24	-27.79	PASS
Band25	5MHz	QPSK	26665	25RB#0	-32.82	PASS
Band25	5MHz	16QAM	26665	25RB#0	-33.62	PASS
Band25	10MHz	QPSK	26090	1RB#0	-39.45	PASS

Band25	10MHz	16QAM	26090	1RB#0	-41.07	PASS
Band25	10MHz	QPSK	26090	1RB#49	-50.98	PASS
Band25	10MHz	16QAM	26090	1RB#49	-51.16	PASS
Band25	10MHz	QPSK	26640	1RB#0	-51.30	PASS
Band25	10MHz	16QAM	26640	1RB#0	-51.65	PASS
Band25	10MHz	QPSK	26640	1RB#49	-40.63	PASS
Band25	10MHz	16QAM	26640	1RB#49	-41.53	PASS
Band25	10MHz	QPSK	26090	50RB#0	-39.06	PASS
Band25	10MHz	QPSK	26640	50RB#0	-36.04	PASS
Band25	15MHz	QPSK	26115	1RB#0	-36.50	PASS
Band25	15MHz	16QAM	26115	1RB#0	-36.71	PASS
Band25	15MHz	QPSK	26115	1RB#74	-43.73	PASS
Band25	15MHz	16QAM	26115	1RB#74	-44.29	PASS
Band25	15MHz	QPSK	26615	1RB#0	-46.96	PASS
Band25	15MHz	16QAM	26615	1RB#0	-46.98	PASS
Band25	15MHz	QPSK	26615	1RB#74	-37.49	PASS
Band25	15MHz	16QAM	26615	1RB#74	-38.41	PASS
Band25	15MHz	QPSK	26115	75RB#0	-34.53	PASS
Band25	15MHz	QPSK	26615	75RB#0	-32.91	PASS
Band25	20MHz	QPSK	26140	1RB#0	-38.84	PASS
Band25	20MHz	16QAM	26140	1RB#0	-38.97	PASS
Band25	20MHz	QPSK	26140	1RB#99	-39.86	PASS
Band25	20MHz	16QAM	26140	1RB#99	-40.64	PASS
Band25	20MHz	QPSK	26590	1RB#0	-44.64	PASS
Band25	20MHz	16QAM	26590	1RB#0	-44.89	PASS
Band25	20MHz	QPSK	26590	1RB#99	-40.01	PASS
Band25	20MHz	16QAM	26590	1RB#99	-40.36	PASS
Band25	20MHz	QPSK	26140	100RB#0	-34.04	PASS
Band25	20MHz	QPSK	26590	100RB#0	-33.94	PASS

Test Graphs

