

FCC Appendix RF Test Data for LTE Band 25

Company: : Yulong Computer Telecommunication Scientific
(Shenzhen) Co., Ltd

EUT : Smart Phone

Model Number : K21

FCC ID : R38YLCPK21

Report No. : CTA25091901809

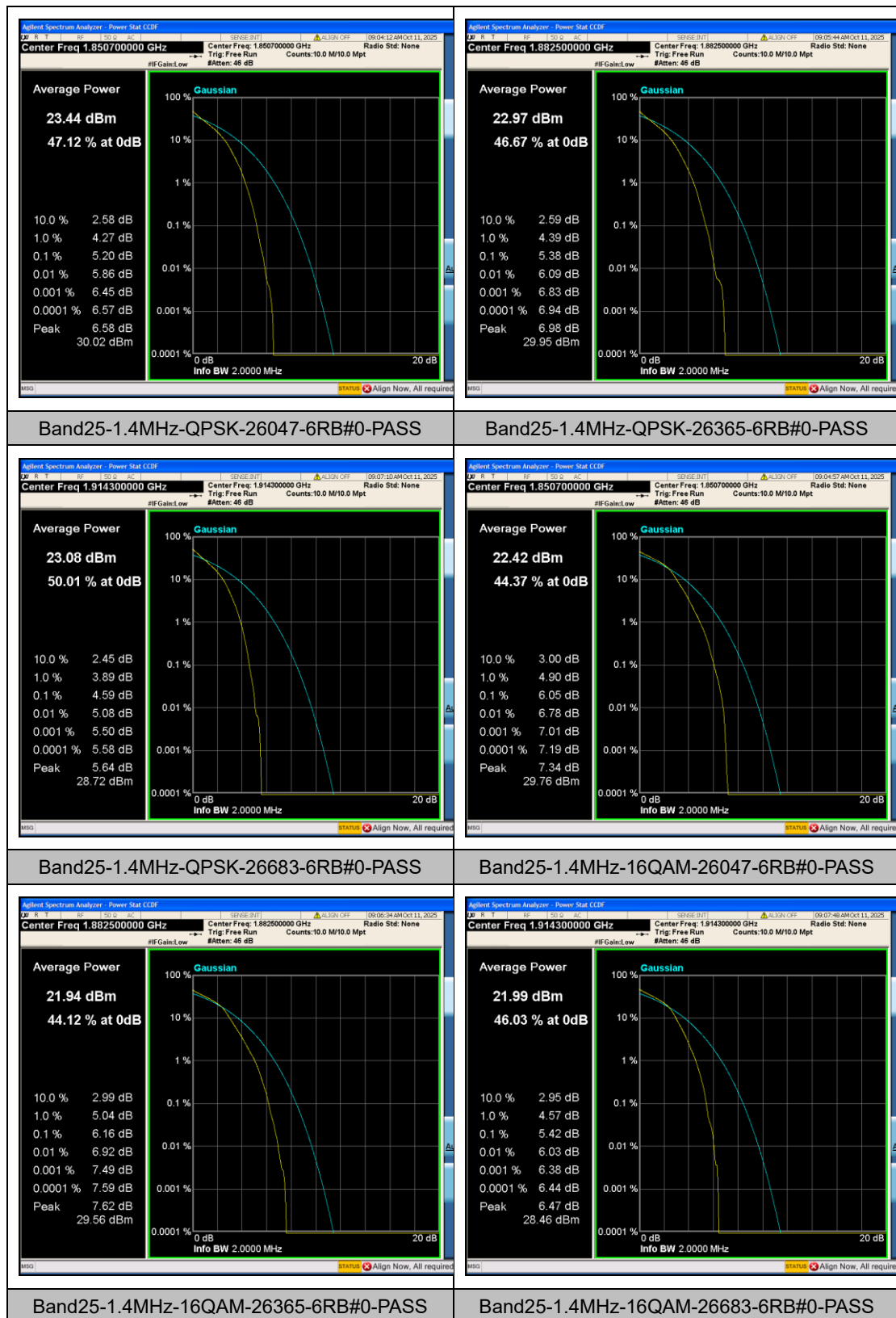
Reviewed By : Eric Wang

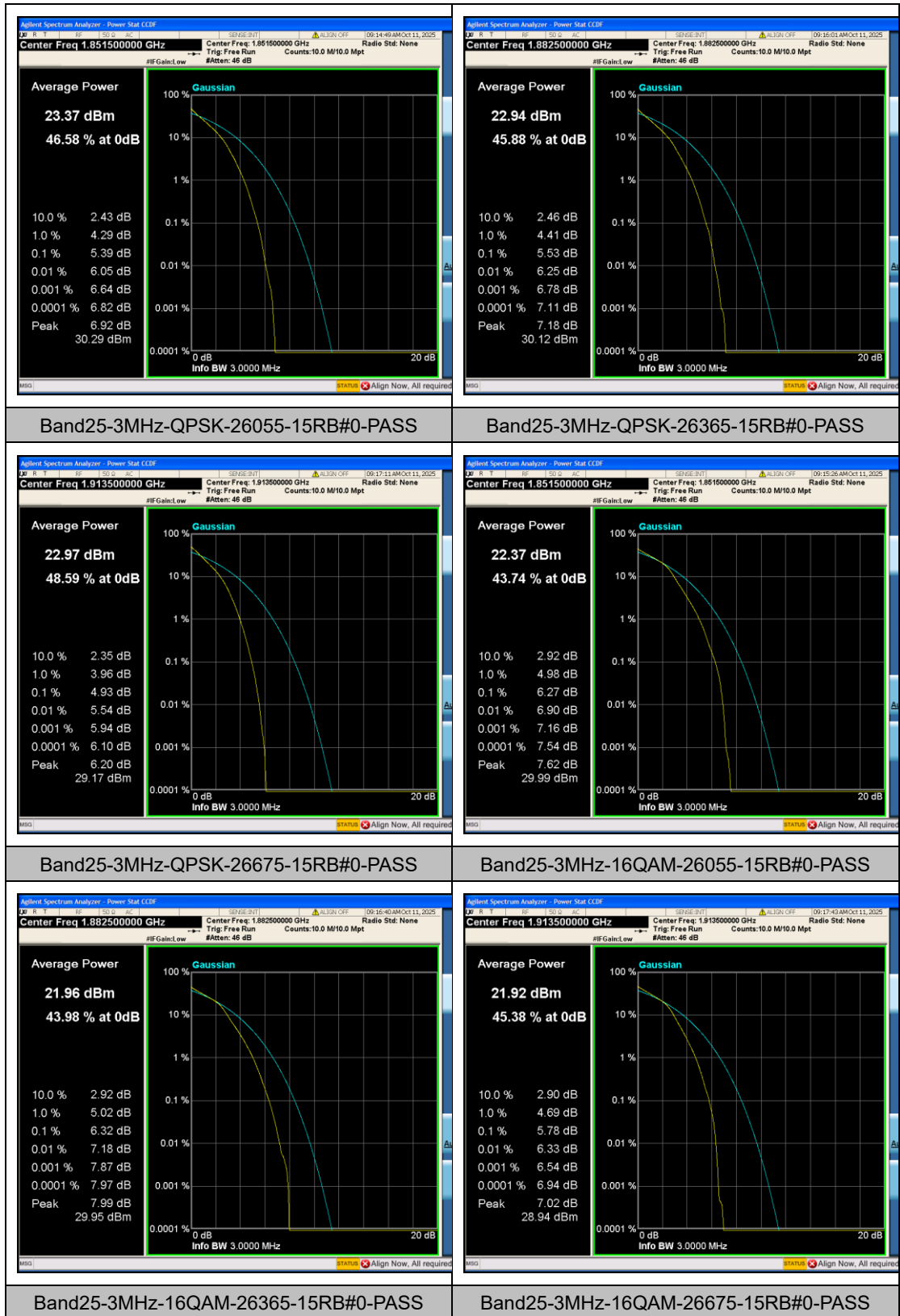
Appendix B: Peak-to-Average Ratio(CCDF)

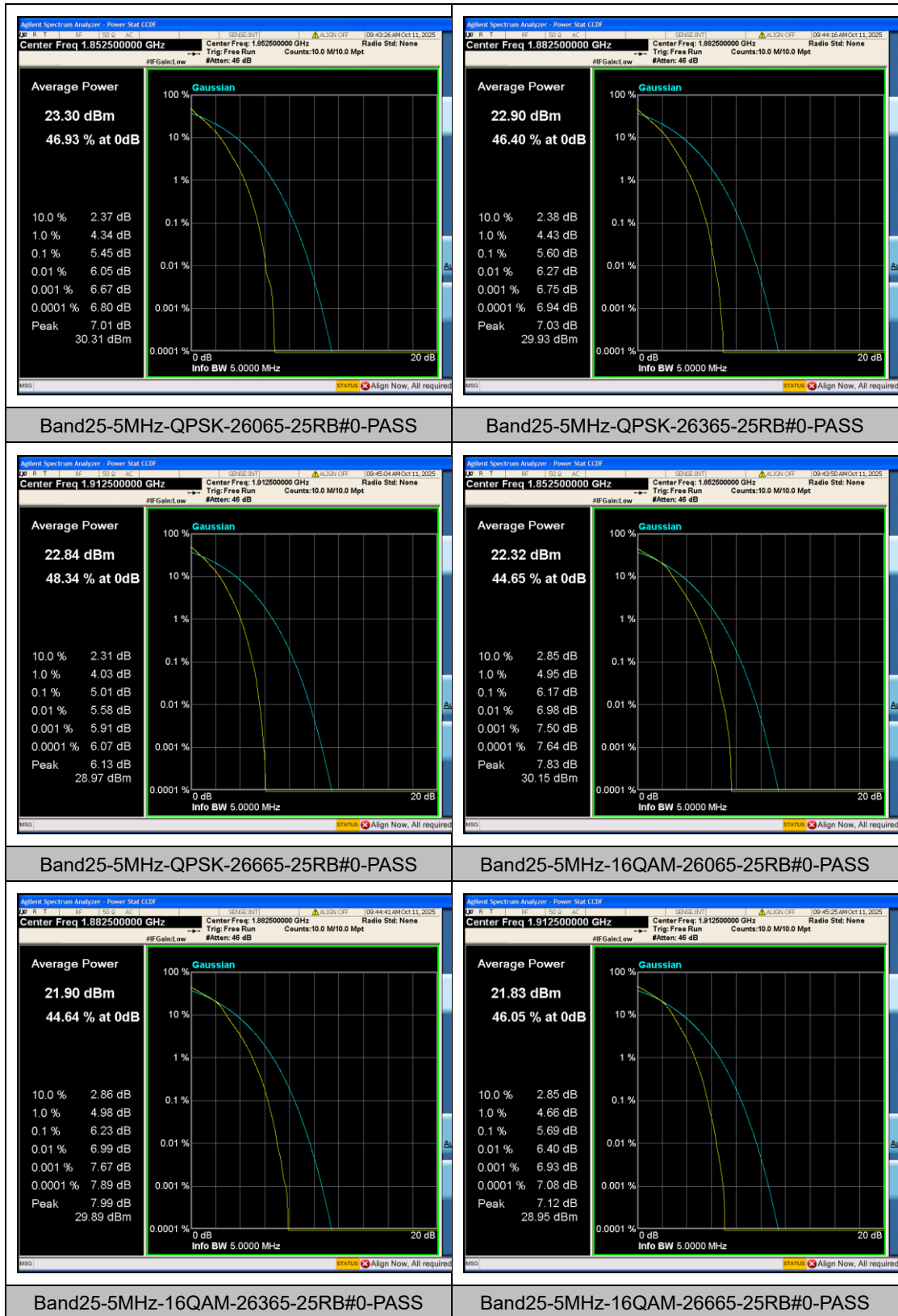
Test Result

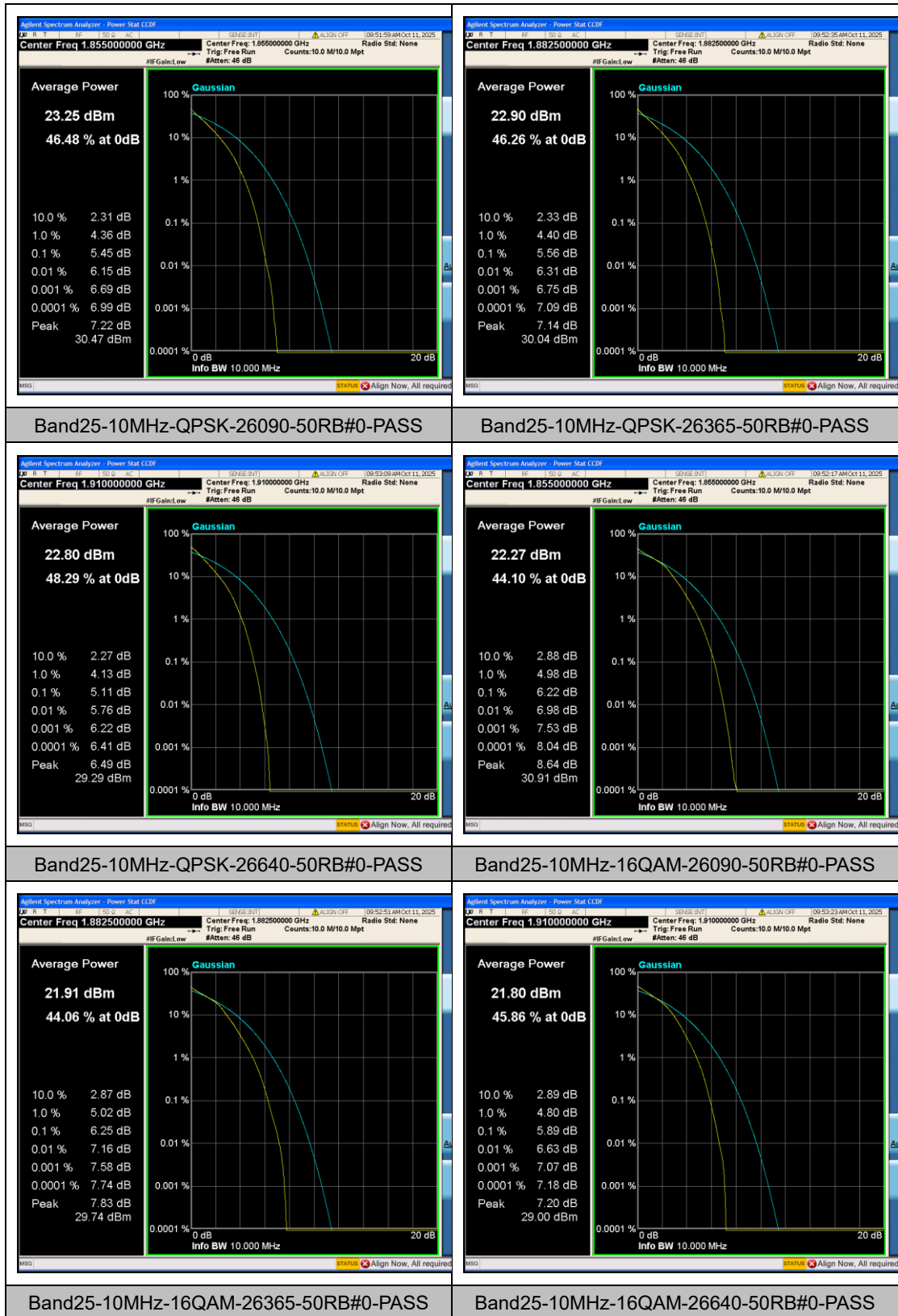
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	5.20	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.38	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	4.59	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	6.05	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	6.16	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.42	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.39	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.53	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	4.93	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	6.27	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	6.32	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	5.78	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.45	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.60	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.01	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	6.17	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.23	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	5.69	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.45	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.56	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.11	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	6.22	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	6.25	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	5.89	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.75	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.85	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.59	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	6.29	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	6.34	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	6.18	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.49	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.48	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.49	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.24	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.27	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.23	13	PASS

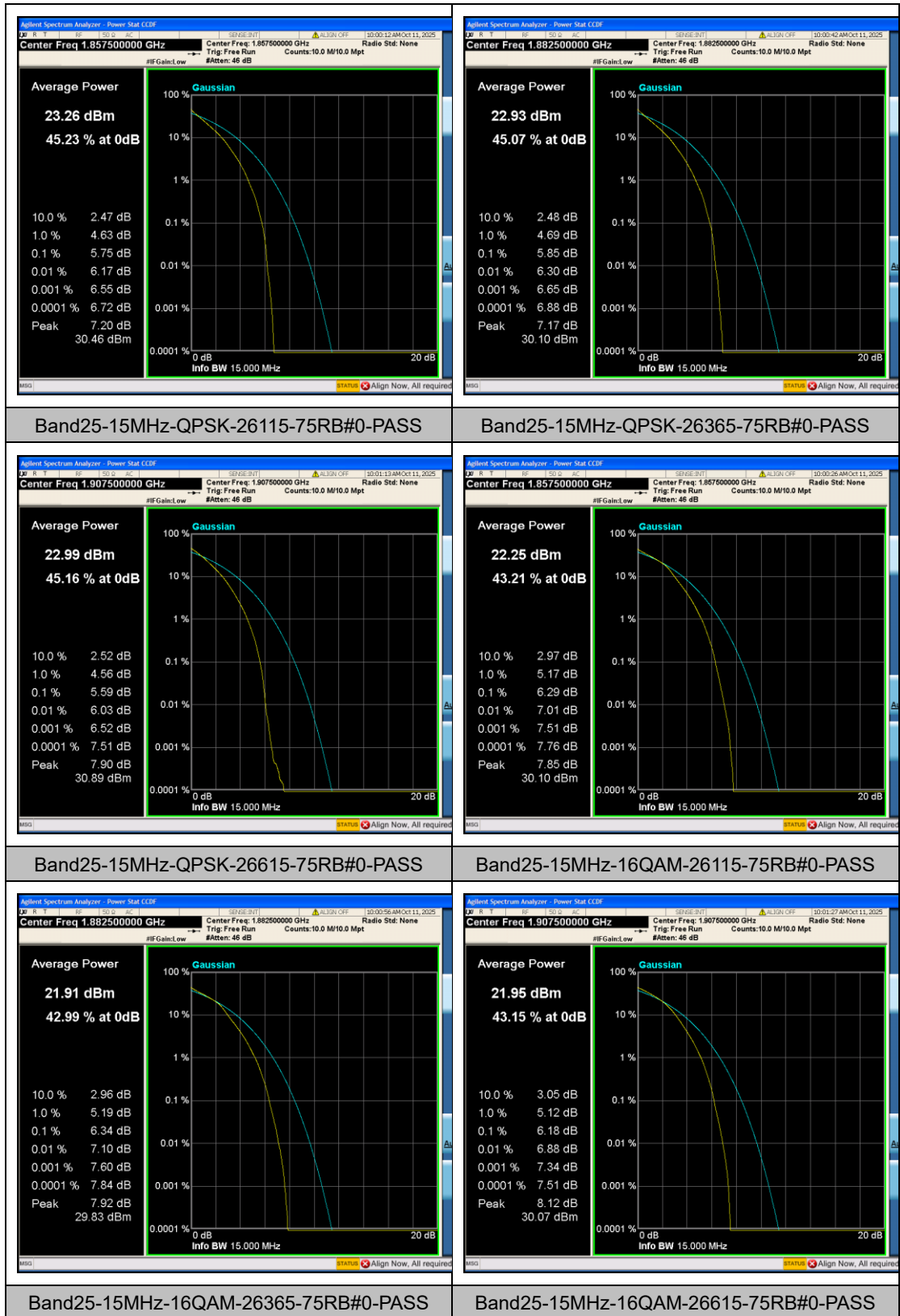
Test Graphs

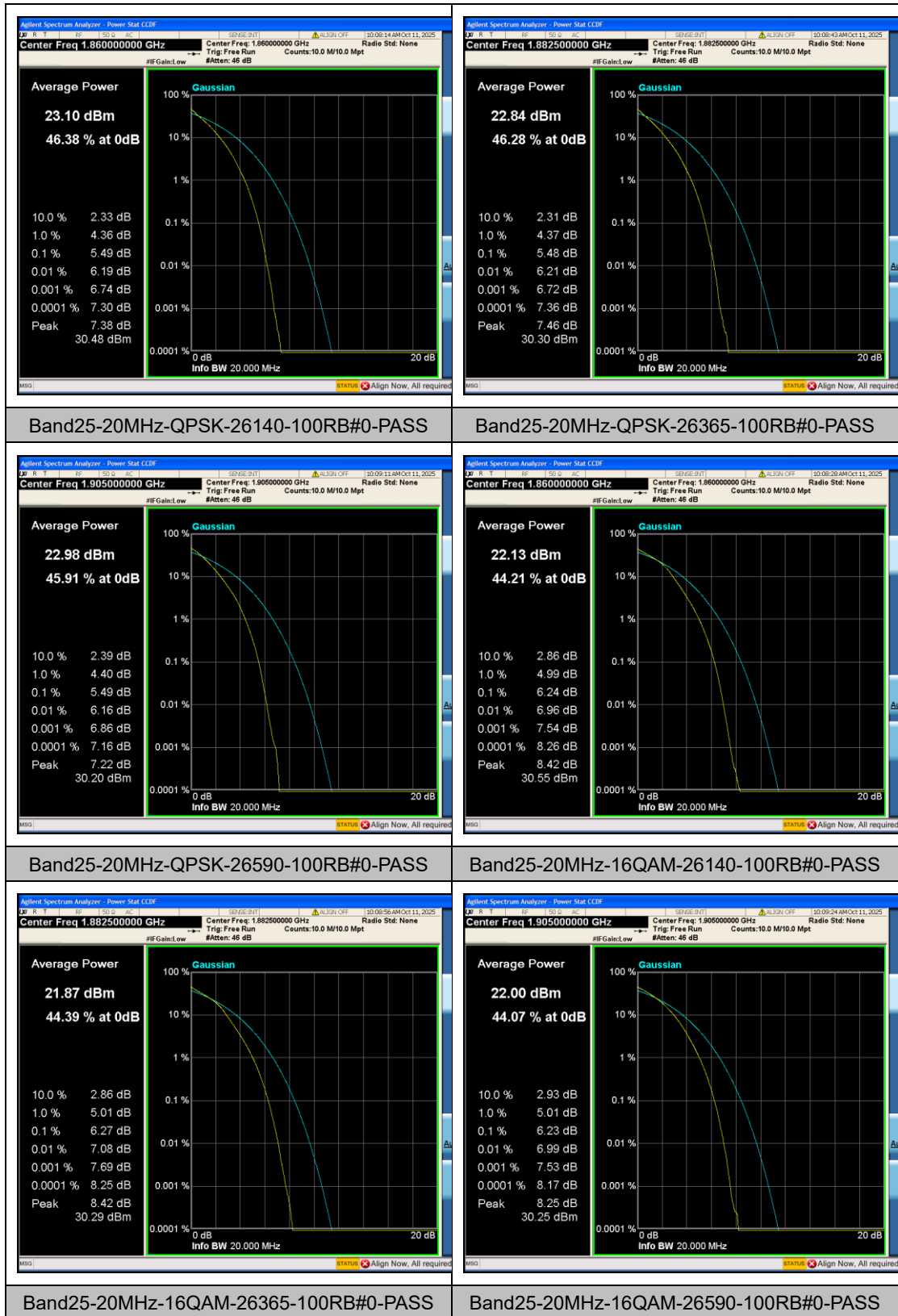












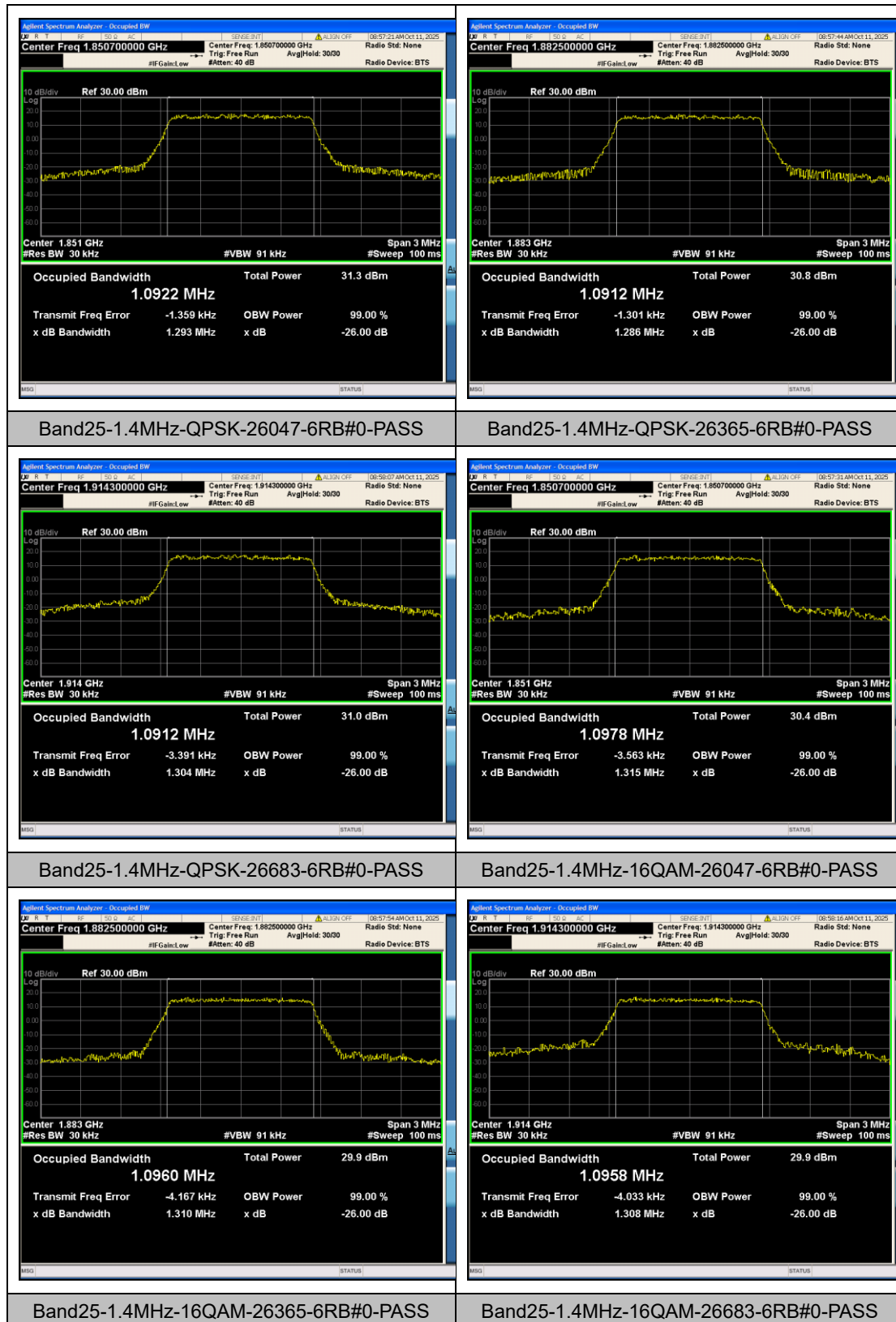
Appendix C: 26dB Bandwidth and Occupied Bandwidth

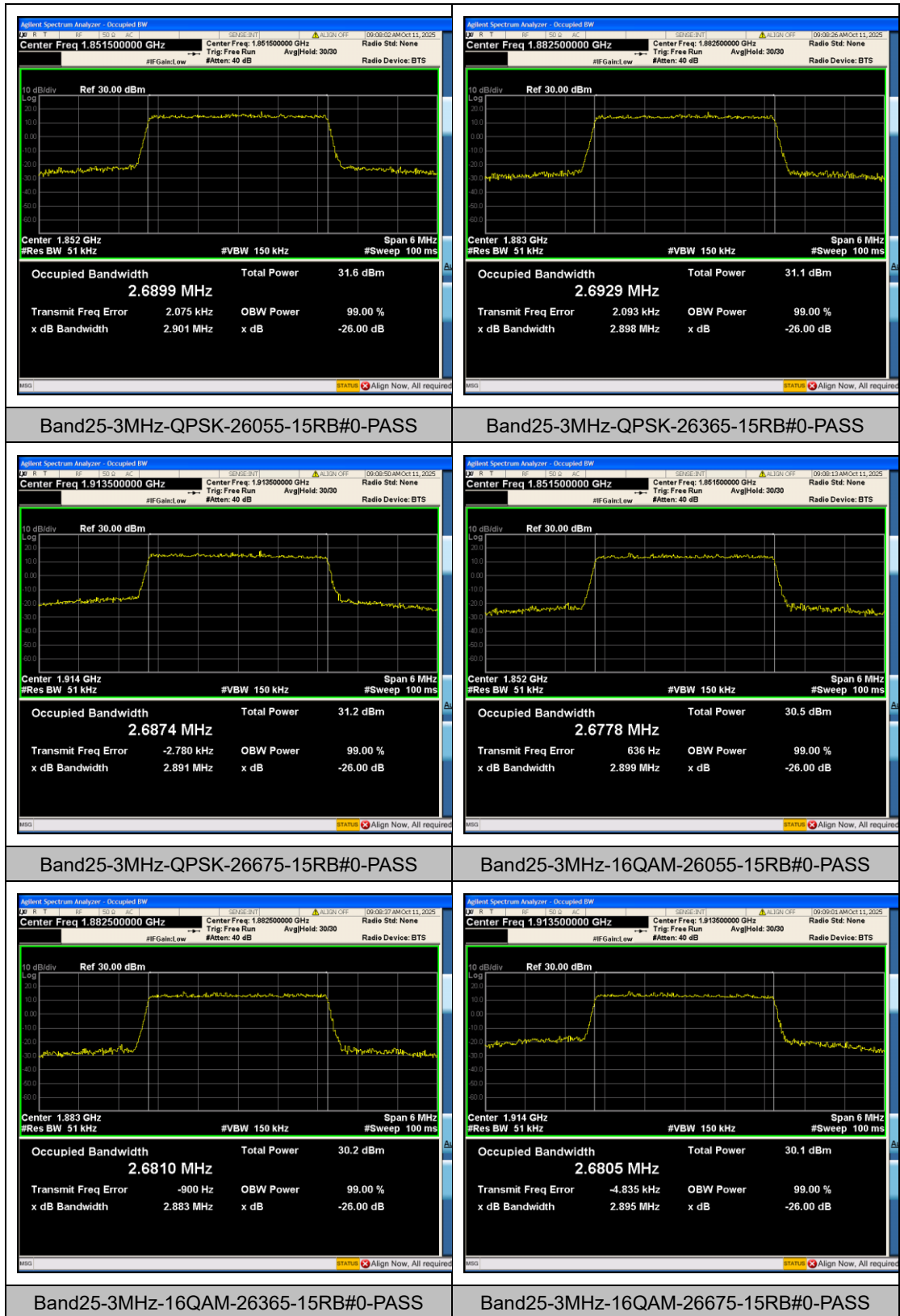
Test Result

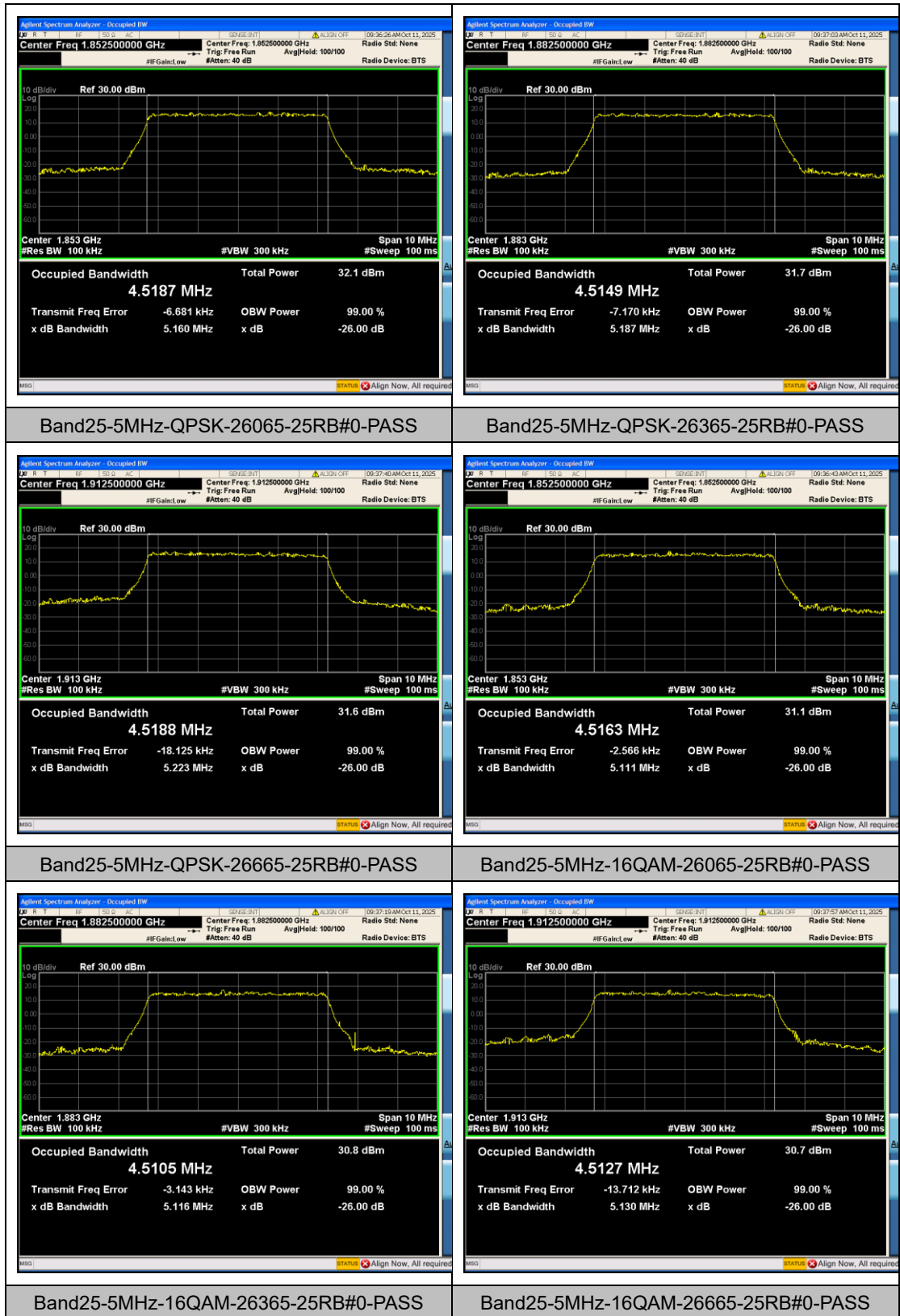
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0922	1.293	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0912	1.286	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0912	1.304	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0978	1.315	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0960	1.310	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0958	1.308	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6899	2.901	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6929	2.898	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6874	2.891	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6778	2.899	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6810	2.883	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6805	2.895	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5187	5.160	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5149	5.187	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5188	5.223	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5163	5.111	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5105	5.116	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5127	5.130	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9972	10.18	PASS
Band25	10MHz	QPSK	26365	50RB#0	9.0042	10.17	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9728	10.08	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9832	10.06	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9979	10.07	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9771	9.980	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.510	15.08	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.527	15.06	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.514	15.96	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.490	14.98	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.486	15.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.496	16.38	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.957	19.81	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.961	19.62	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.959	19.77	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.980	19.76	PASS

Band25	20MHz	16QAM	26365	100RB#0	17.970	19.73	PASS
Band25	20MHz	16QAM	26590	100RB#0	18.019	19.62	PASS

Test Graphs









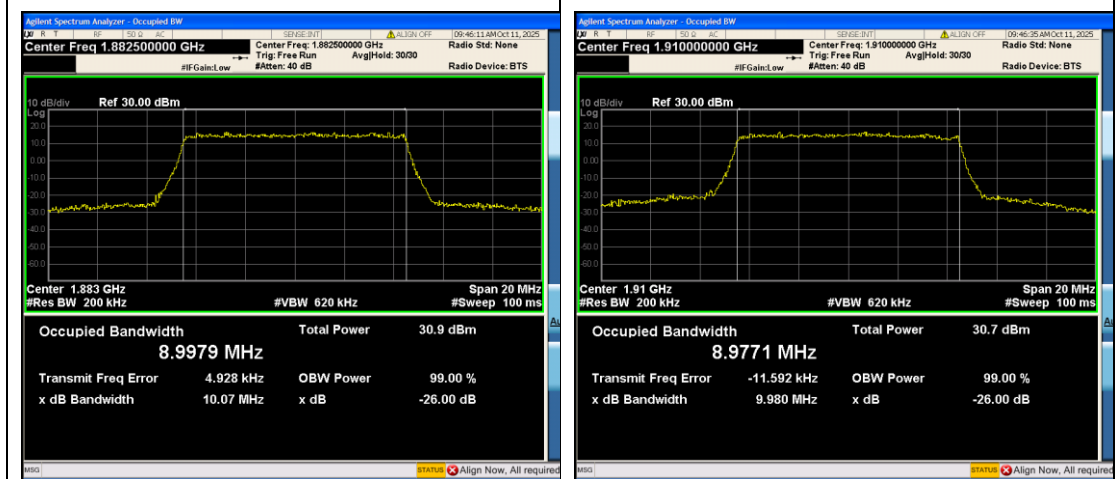
Band25-10MHz-QPSK-26090-50RB#0-PASS

Band25-10MHz-QPSK-26365-50RB#0-PASS



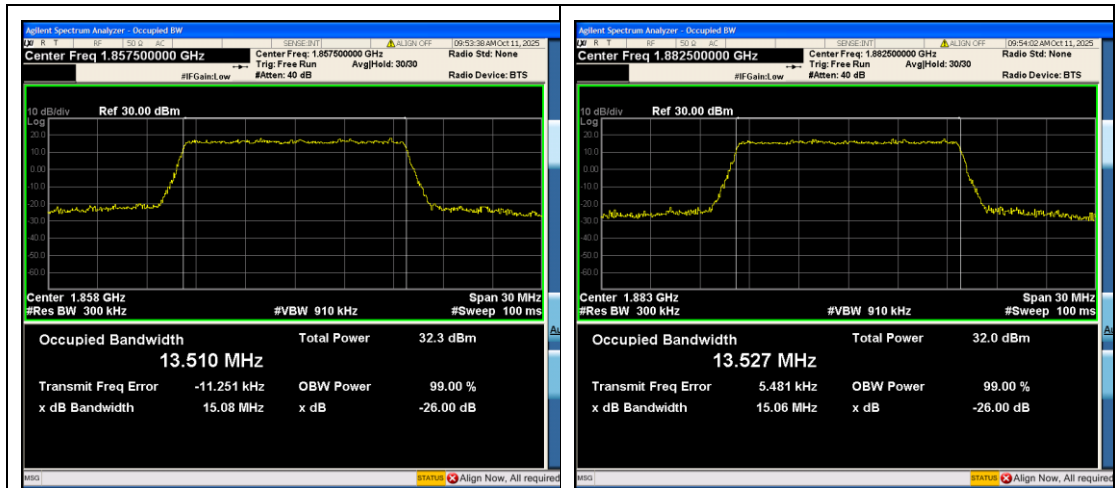
Band25-10MHz-QPSK-26640-50RB#0-PASS

Band25-10MHz-16QAM-26090-50RB#0-PASS



Band25-10MHz-16QAM-26365-50RB#0-PASS

Band25-10MHz-16QAM-26640-50RB#0-PASS



Band25-15MHz-QPSK-26115-75RB#0-PASS

Band25-15MHz-QPSK-26365-75RB#0-PASS



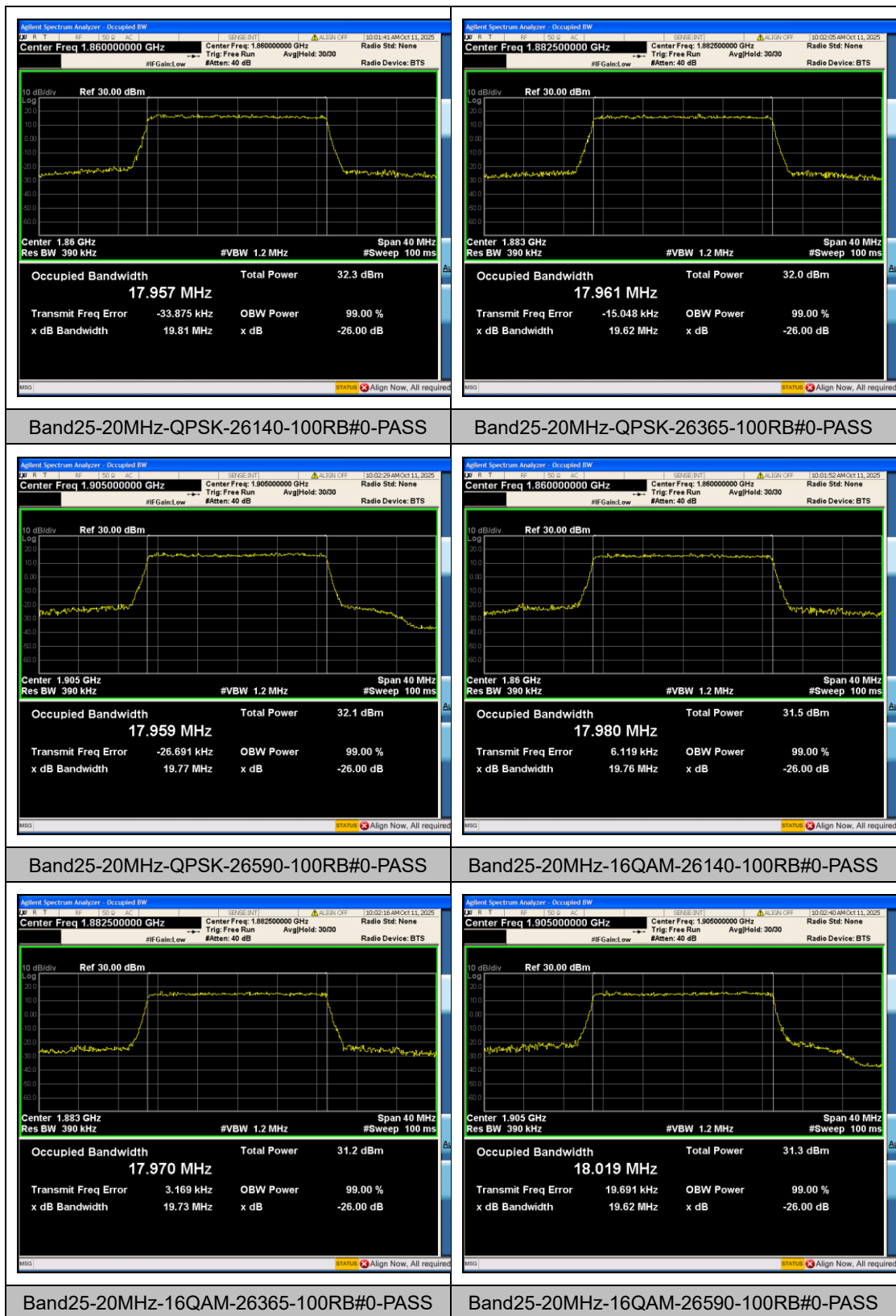
Band25-15MHz-QPSK-26615-75RB#0-PASS

Band25-15MHz-16QAM-26115-75RB#0-PASS



Band25-15MHz-16QAM-26365-75RB#0-PASS

Band25-15MHz-16QAM-26615-75RB#0-PASS



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	-27.75	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-22.98	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-27.36	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-25.41	PASS
Band25	3MHz	QPSK	26055	15RB#0	-25.55	PASS
Band25	3MHz	QPSK	26675	15RB#0	-23.83	PASS
Band25	3MHz	16QAM	26055	15RB#0	-25.60	PASS
Band25	3MHz	16QAM	26675	15RB#0	-26.30	PASS
Band25	5MHz	QPSK	26065	25RB#0	-26.77	PASS
Band25	5MHz	QPSK	26665	25RB#0	-24.45	PASS
Band25	5MHz	16QAM	26065	25RB#0	-27.22	PASS
Band25	5MHz	16QAM	26665	25RB#0	-28.13	PASS
Band25	10MHz	QPSK	26090	50RB#0	-28.88	PASS
Band25	10MHz	QPSK	26640	50RB#0	-28.15	PASS
Band25	10MHz	16QAM	26090	50RB#0	-29.52	PASS
Band25	10MHz	16QAM	26640	50RB#0	-30.22	PASS
Band25	15MHz	QPSK	26115	75RB#0	-29.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	-27.09	PASS
Band25	15MHz	16QAM	26115	75RB#0	-30.58	PASS
Band25	15MHz	16QAM	26615	75RB#0	-30.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	-31.23	PASS
Band25	20MHz	QPSK	26590	100RB#0	-30.71	PASS
Band25	20MHz	16QAM	26140	100RB#0	-31.67	PASS
Band25	20MHz	16QAM	26590	100RB#0	-32.35	PASS