

FCC Appendix RF Test Data for LTE Band 25

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000210

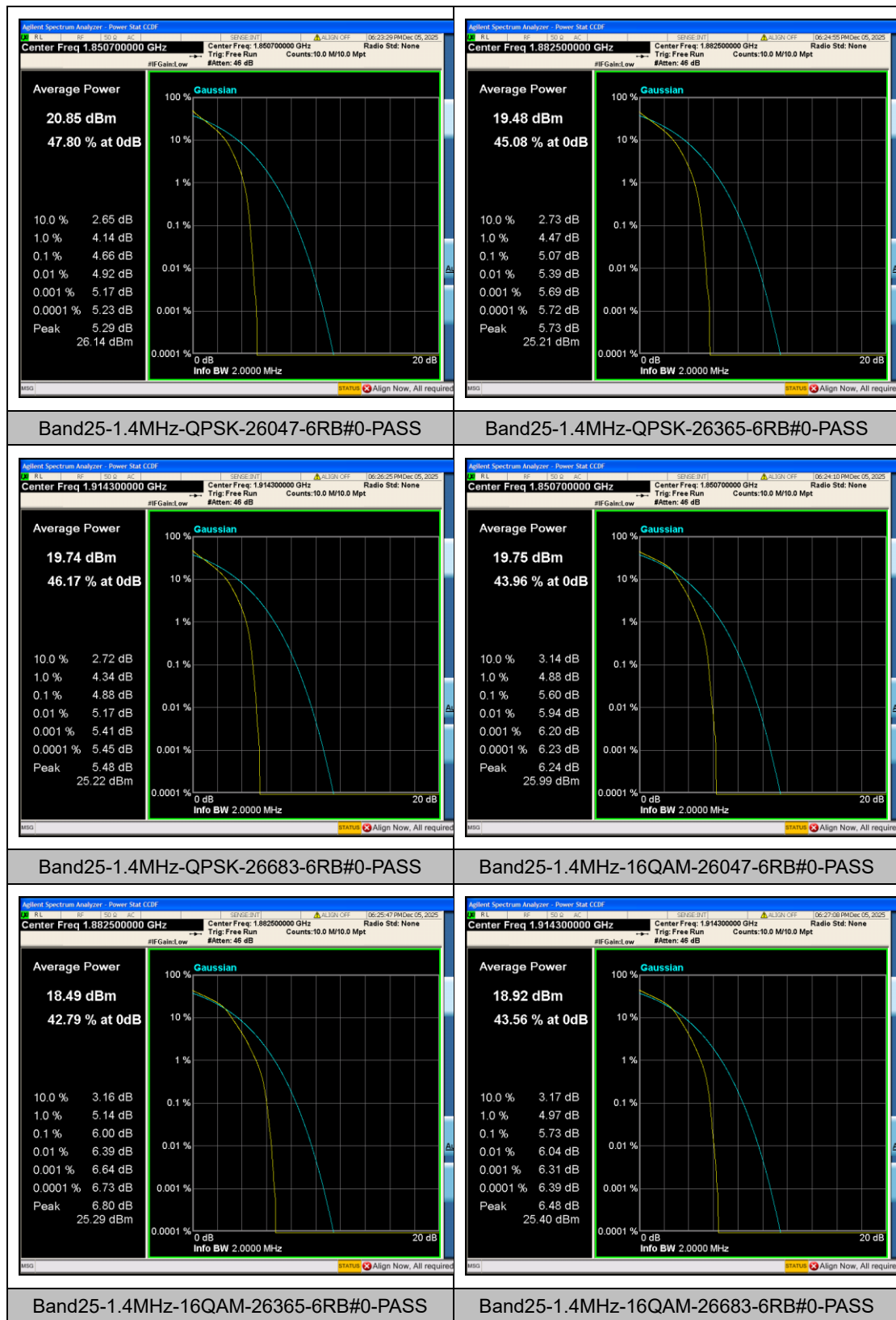
Reviewed By : Eric Wang

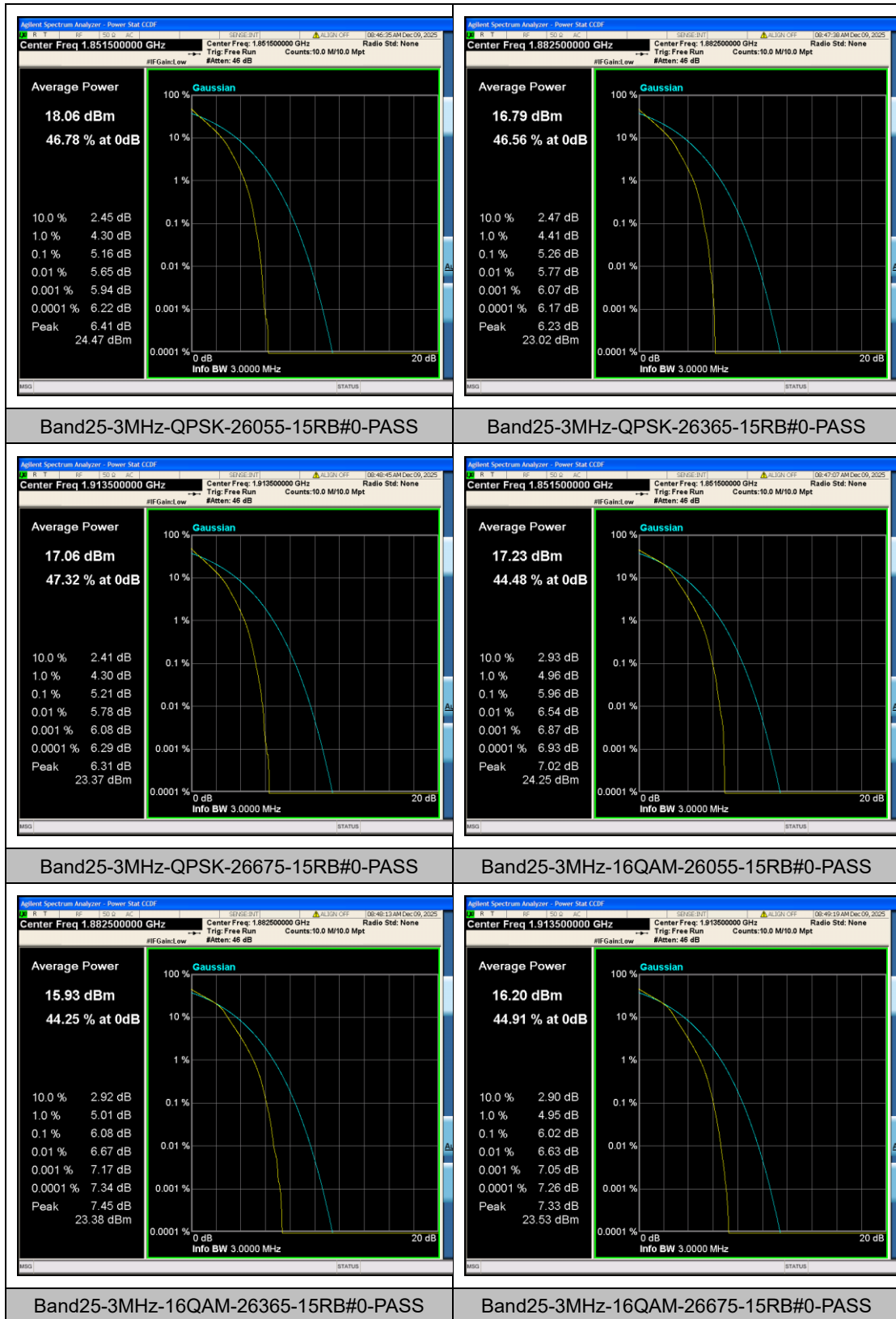
Appendix B: Peak-to-Average Ratio(CCDF)

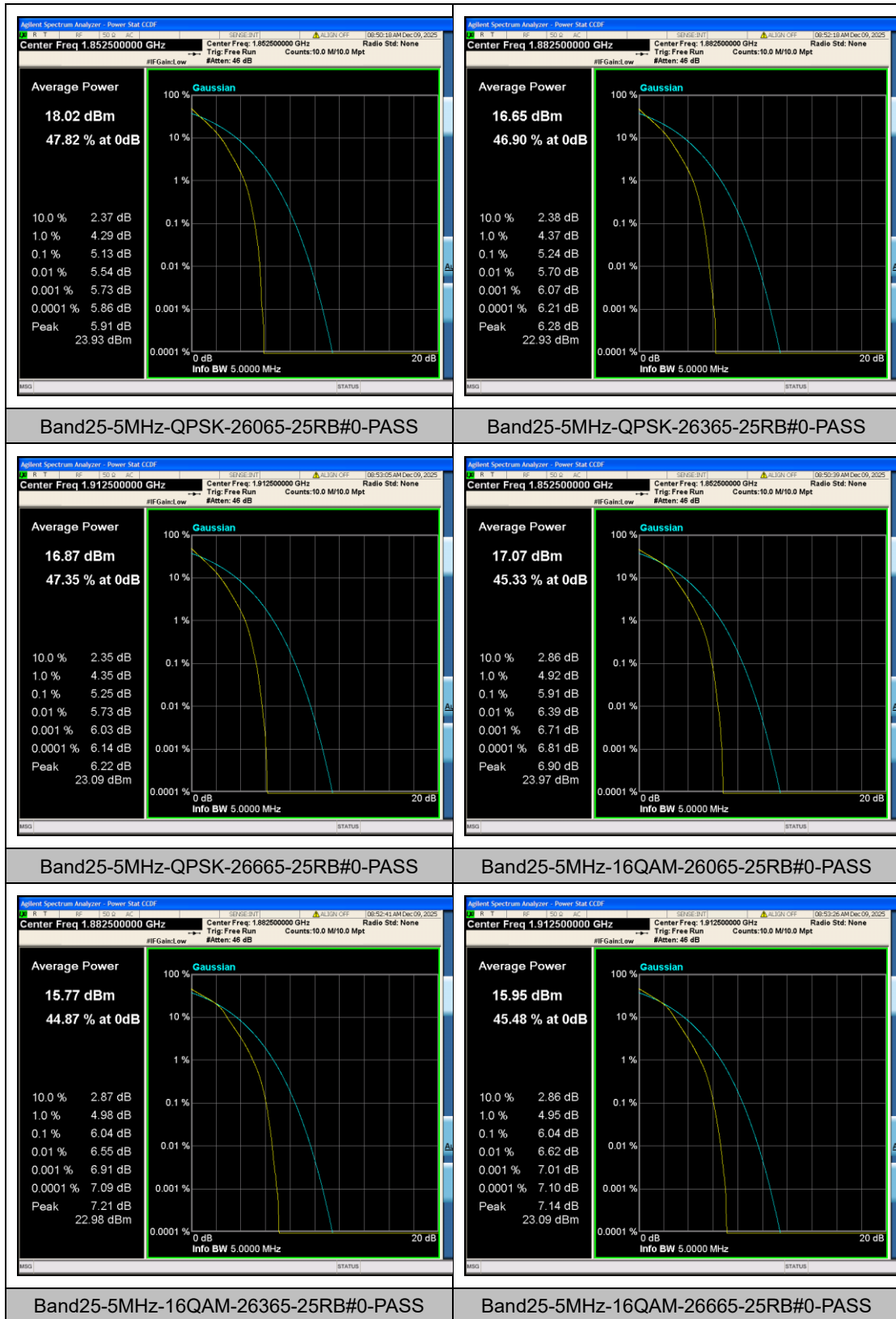
Test Result

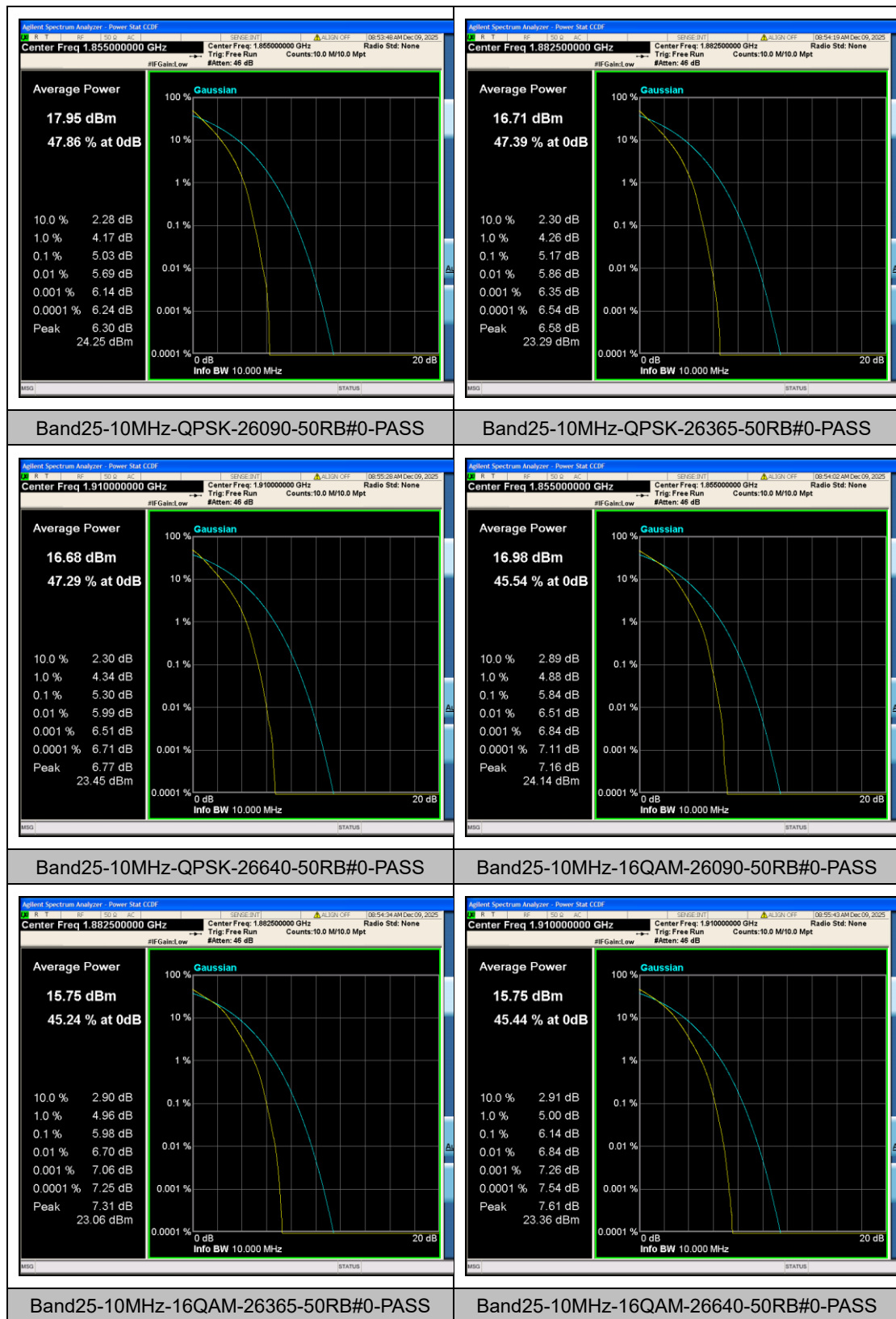
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	4.66	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.07	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	4.88	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.60	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	6.00	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.73	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.16	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.26	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.21	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.96	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	6.08	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.02	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.13	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.24	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.25	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.91	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.04	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.04	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.03	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.17	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.30	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	5.84	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	5.98	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	6.14	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.22	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.26	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.56	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	5.95	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	6.00	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	6.26	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.17	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.07	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.08	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.11	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.97	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.97	13	PASS

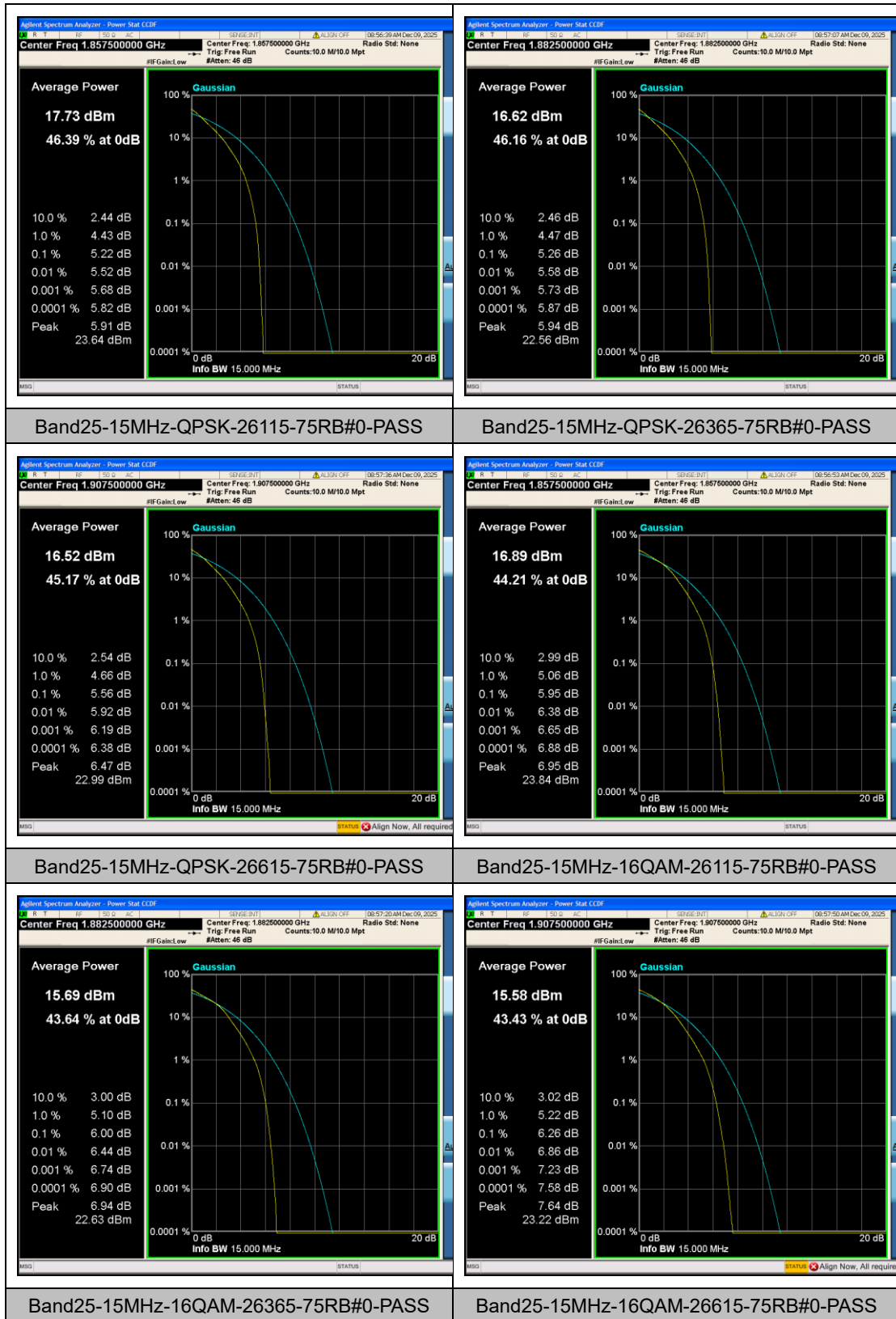
Test Graphs

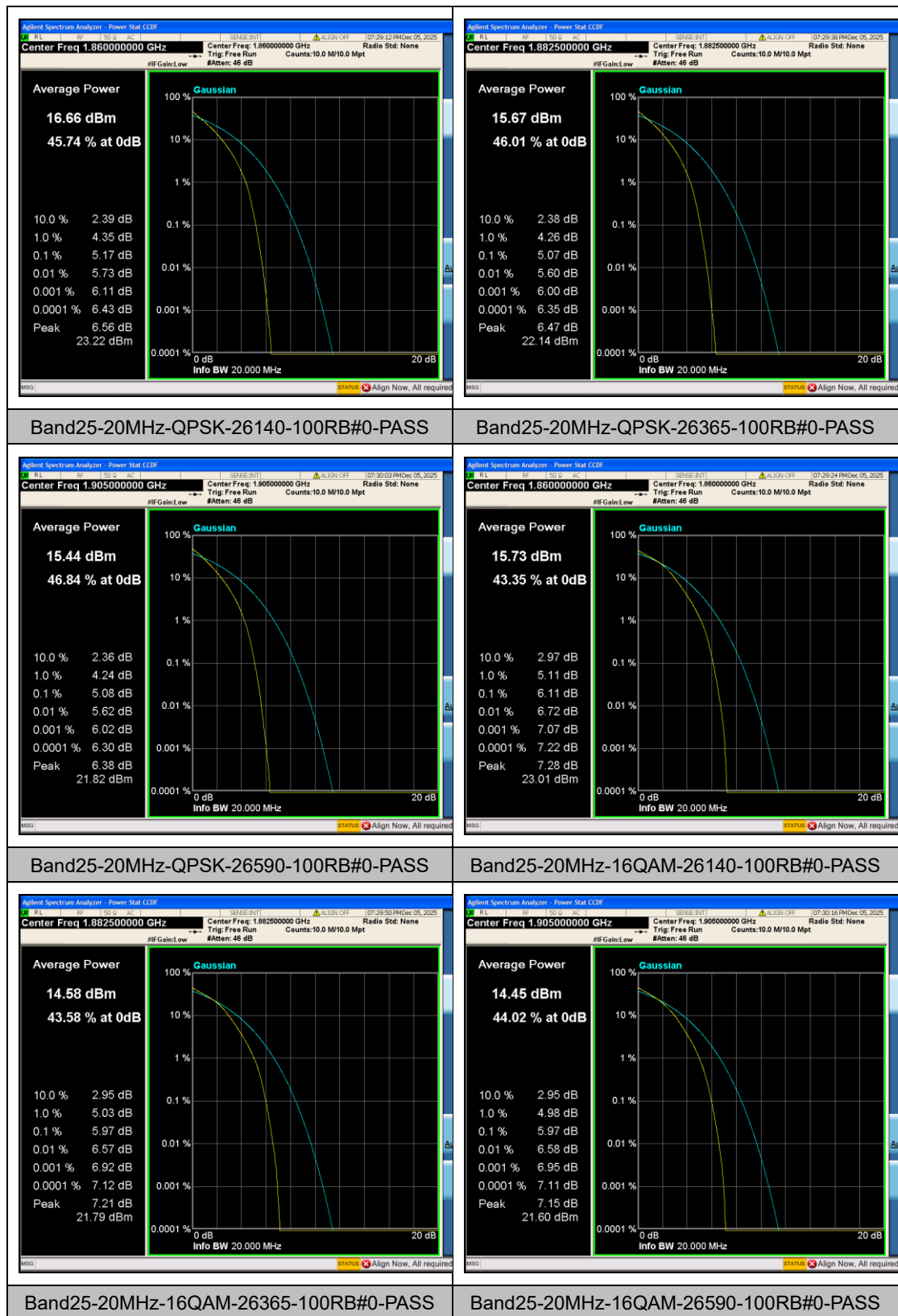










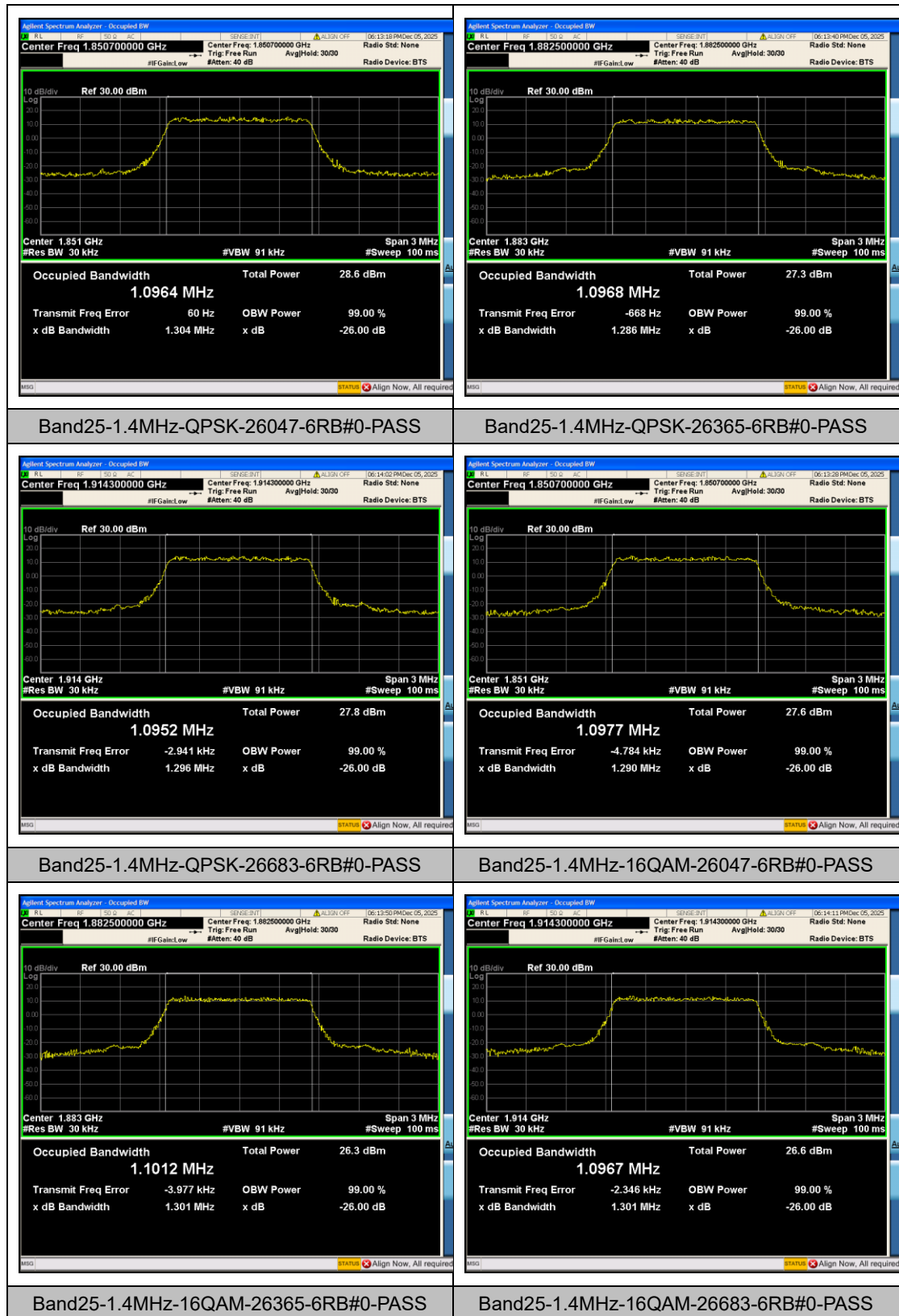


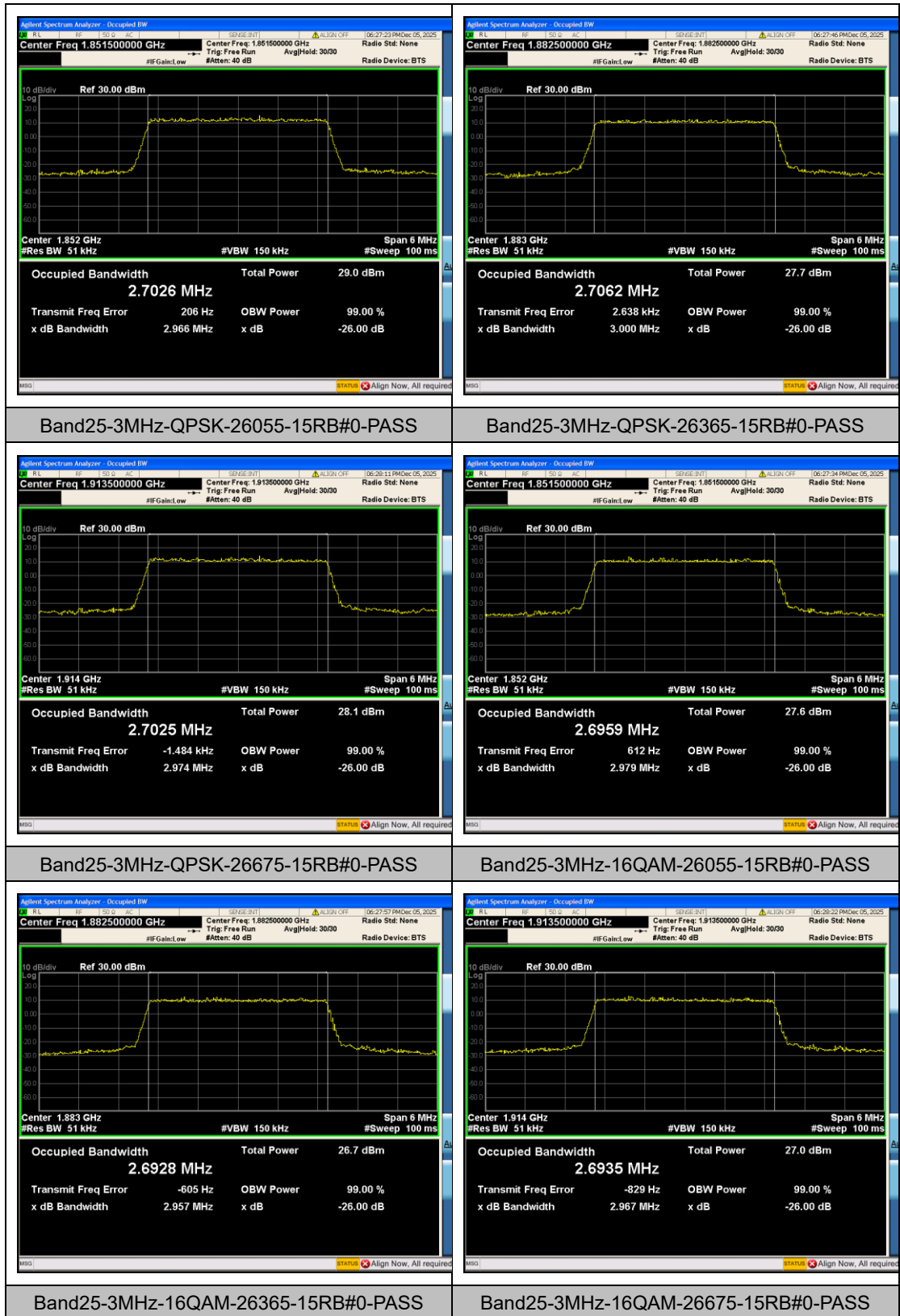
Appendix C: 26dB Bandwidth and Occupied Bandwidth

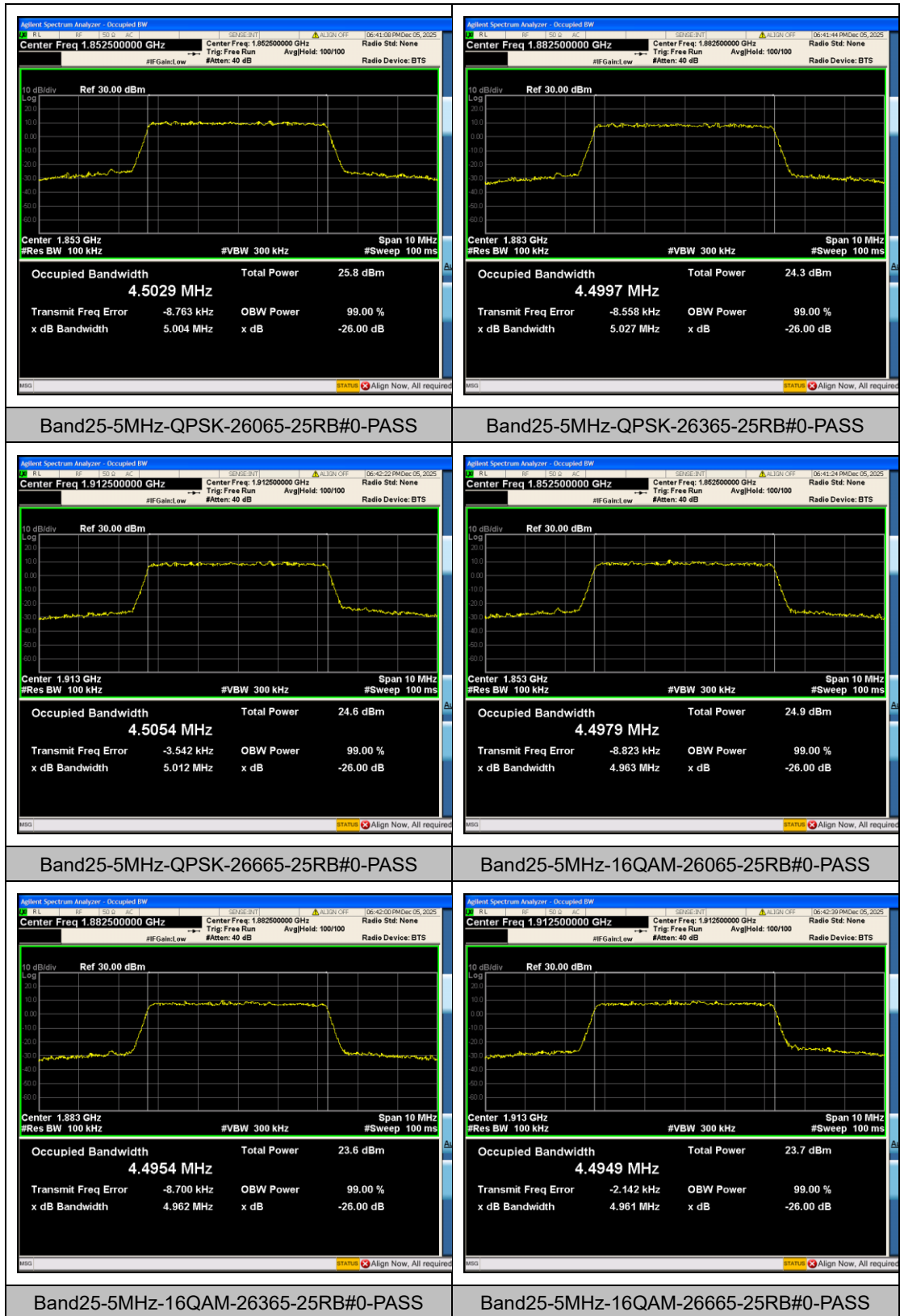
Test Result

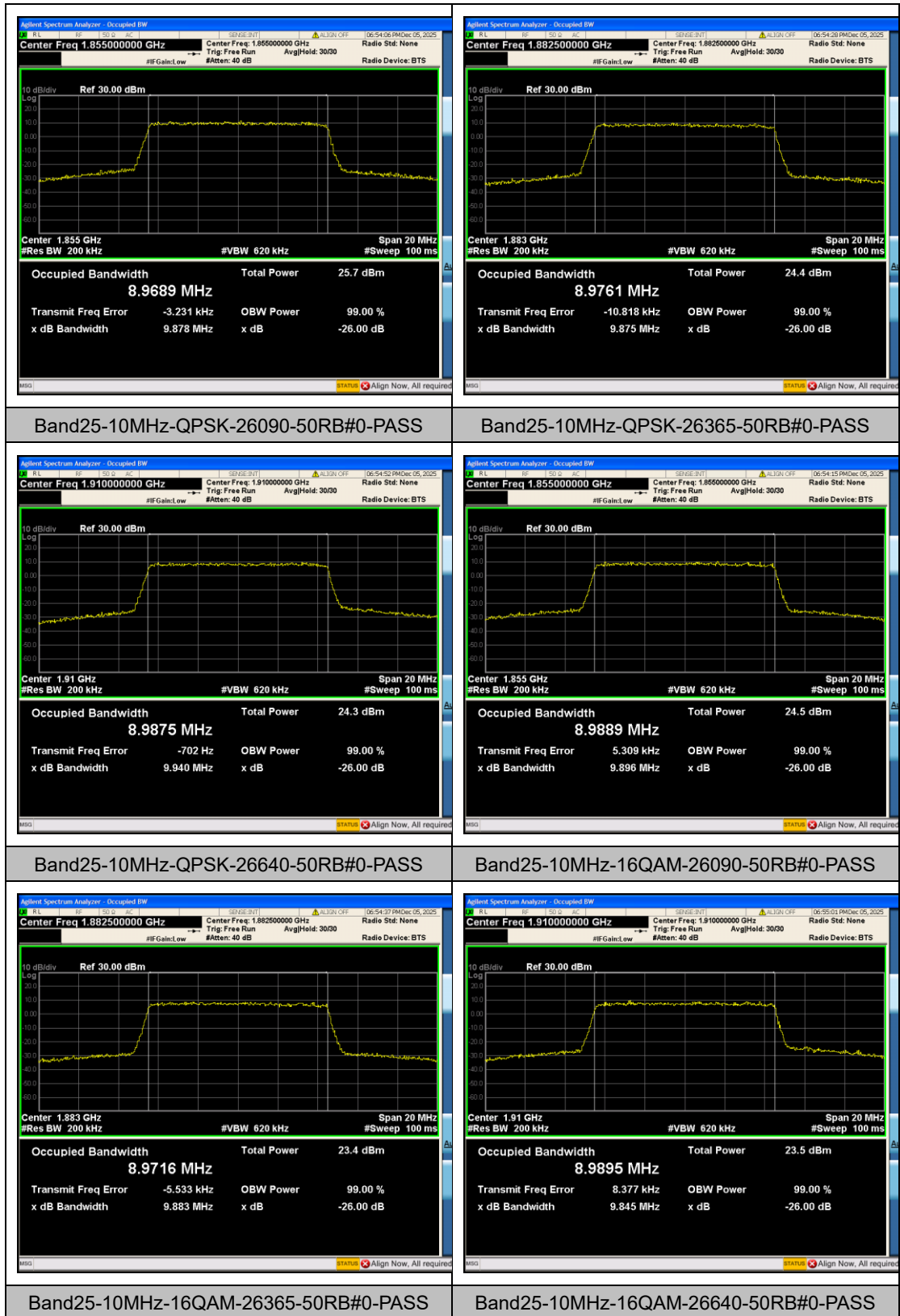
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0964	1.304	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0968	1.286	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0952	1.296	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0977	1.290	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.1012	1.301	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0967	1.301	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.7026	2.966	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.7062	3.000	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.7025	2.974	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6959	2.979	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6928	2.957	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6935	2.967	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5029	5.004	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.4997	5.027	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5054	5.012	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.4979	4.963	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.4954	4.962	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.4949	4.961	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9689	9.878	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9761	9.875	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9875	9.940	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9889	9.896	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9716	9.883	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9895	9.845	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.448	14.81	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.429	14.72	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.468	14.77	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.448	14.73	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.430	14.64	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.456	14.68	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.904	19.46	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.926	19.46	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.897	19.39	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.964	19.46	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.943	19.43	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.962	19.50	PASS

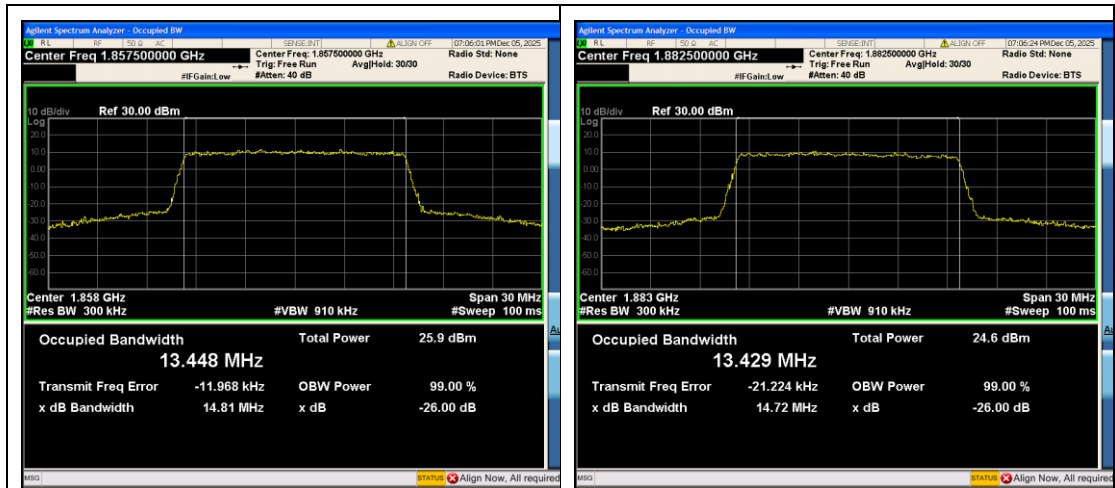
Test Graphs











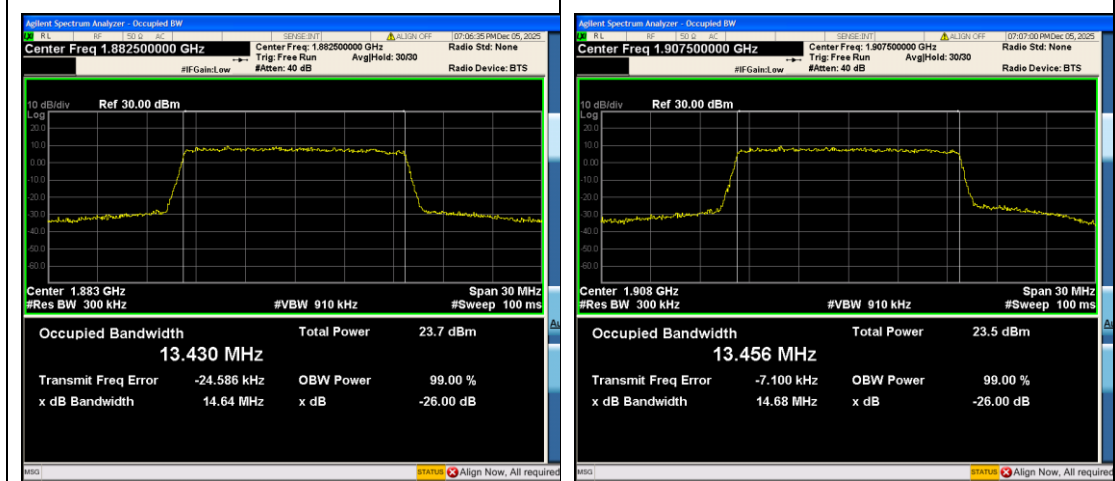
Band25-15MHz-QPSK-26115-75RB#0-PASS

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



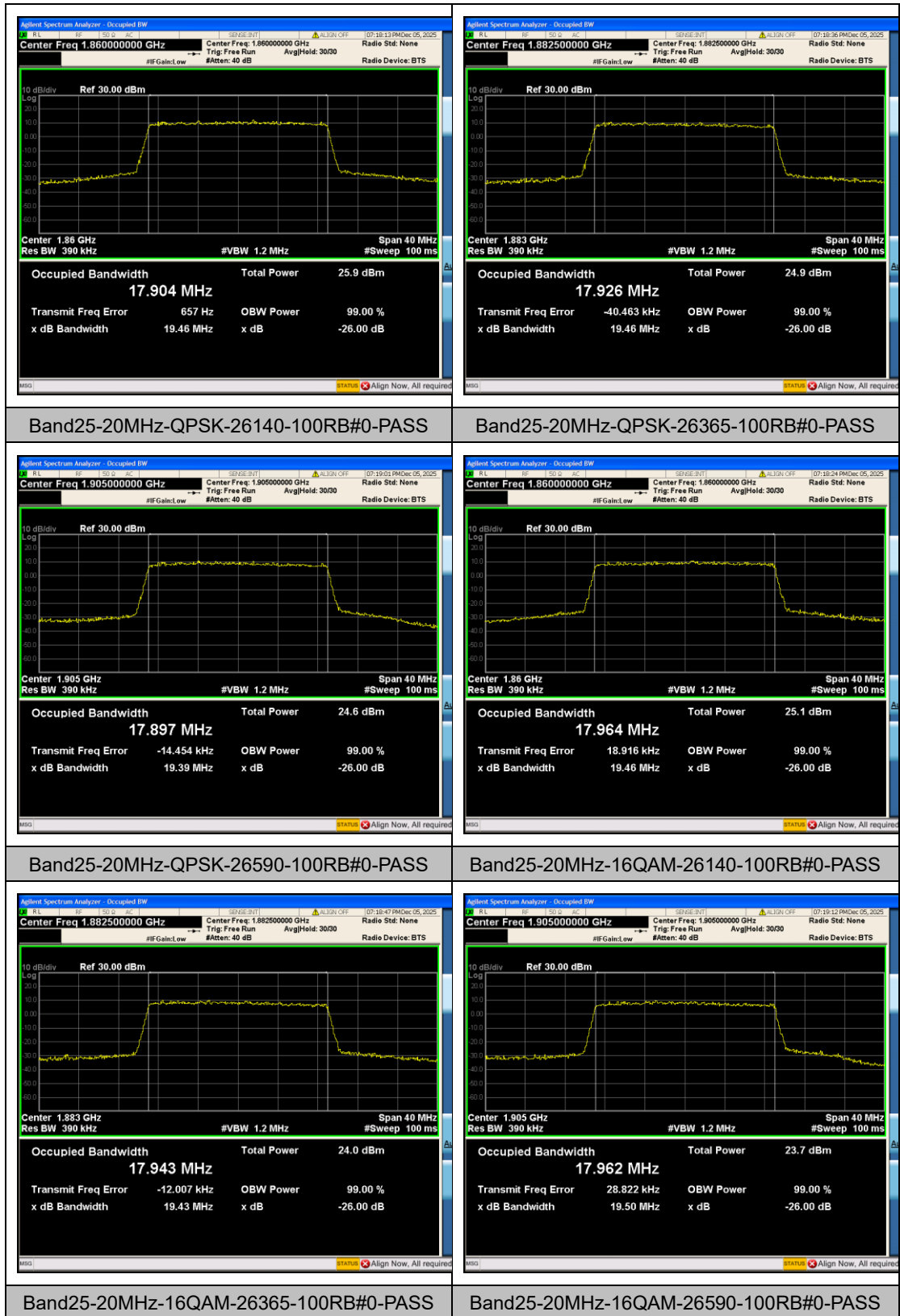
Band25-15MHz-QPSK-26615-75RB#0-PASS

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	-25.05	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-25.89	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-28.63	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-27.72	PASS
Band25	3MHz	QPSK	26055	15RB#0	-25.36	PASS
Band25	3MHz	QPSK	26675	15RB#0	-24.24	PASS
Band25	3MHz	16QAM	26055	15RB#0	-25.63	PASS
Band25	3MHz	16QAM	26675	15RB#0	-24.22	PASS
Band25	5MHz	QPSK	26065	25RB#0	-28.47	PASS
Band25	5MHz	QPSK	26665	25RB#0	-27.34	PASS
Band25	5MHz	16QAM	26065	25RB#0	-28.44	PASS
Band25	5MHz	16QAM	26665	25RB#0	-27.67	PASS
Band25	10MHz	QPSK	26090	50RB#0	-29.48	PASS
Band25	10MHz	QPSK	26640	50RB#0	-29.32	PASS
Band25	10MHz	16QAM	26090	50RB#0	-30.47	PASS
Band25	10MHz	16QAM	26640	50RB#0	-30.22	PASS
Band25	15MHz	QPSK	26115	75RB#0	-30.71	PASS
Band25	15MHz	QPSK	26615	75RB#0	-31.31	PASS
Band25	15MHz	16QAM	26115	75RB#0	-31.57	PASS
Band25	15MHz	16QAM	26615	75RB#0	-32.36	PASS
Band25	20MHz	QPSK	26140	100RB#0	-33.38	PASS
Band25	20MHz	QPSK	26590	100RB#0	-33.78	PASS
Band25	20MHz	16QAM	26140	100RB#0	-34.01	PASS
Band25	20MHz	16QAM	26590	100RB#0	-34.98	PASS