

FCC Appendix RF Test Data for LTE

FCC ID : 2AU3D-RCAPRIME

Company: : United Creation Technology Corp.,Ltd

EUT : 4G smart phone

Model Number : Prime

Report No. : CTA25040200705

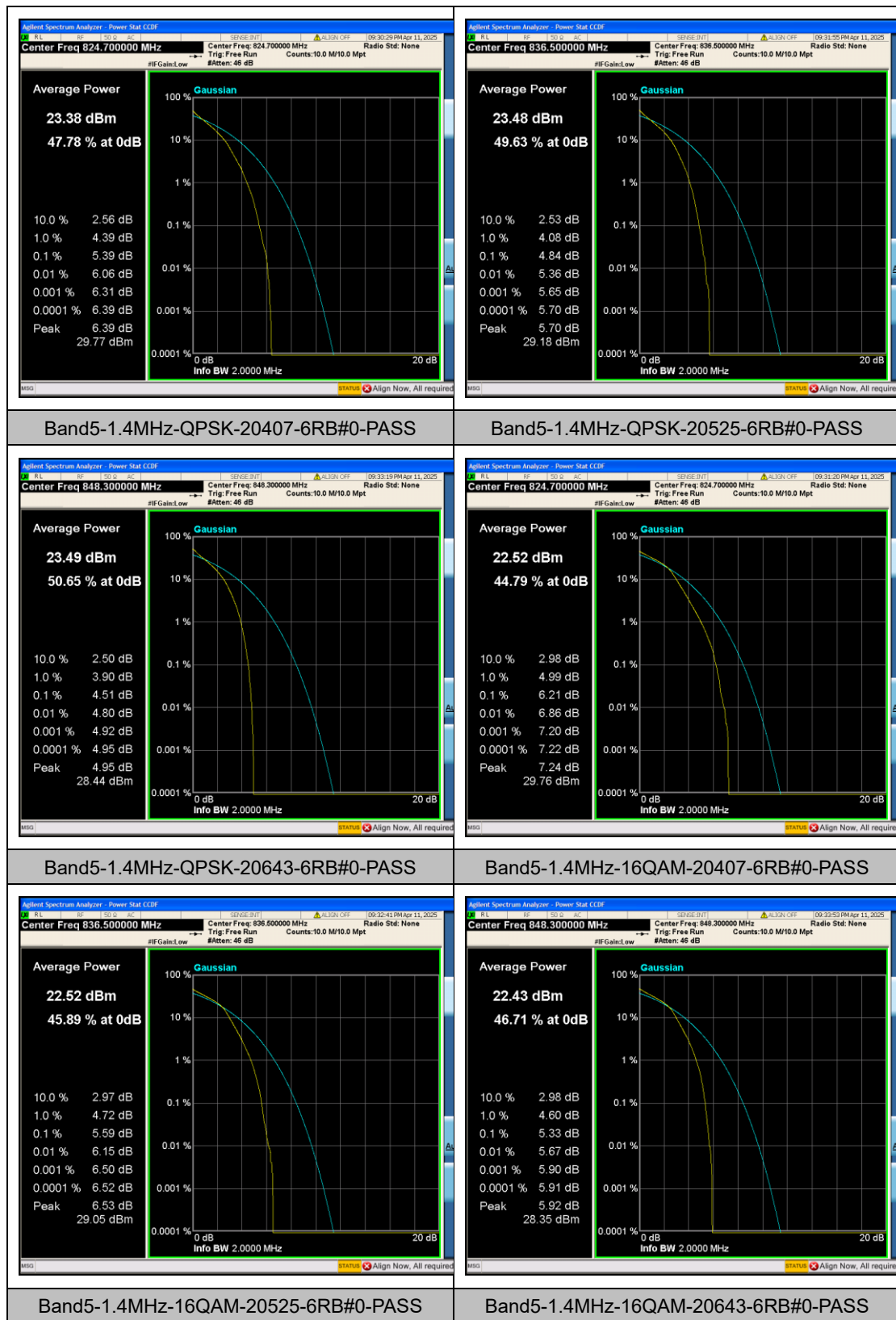
Reviewed By : Eric Wang

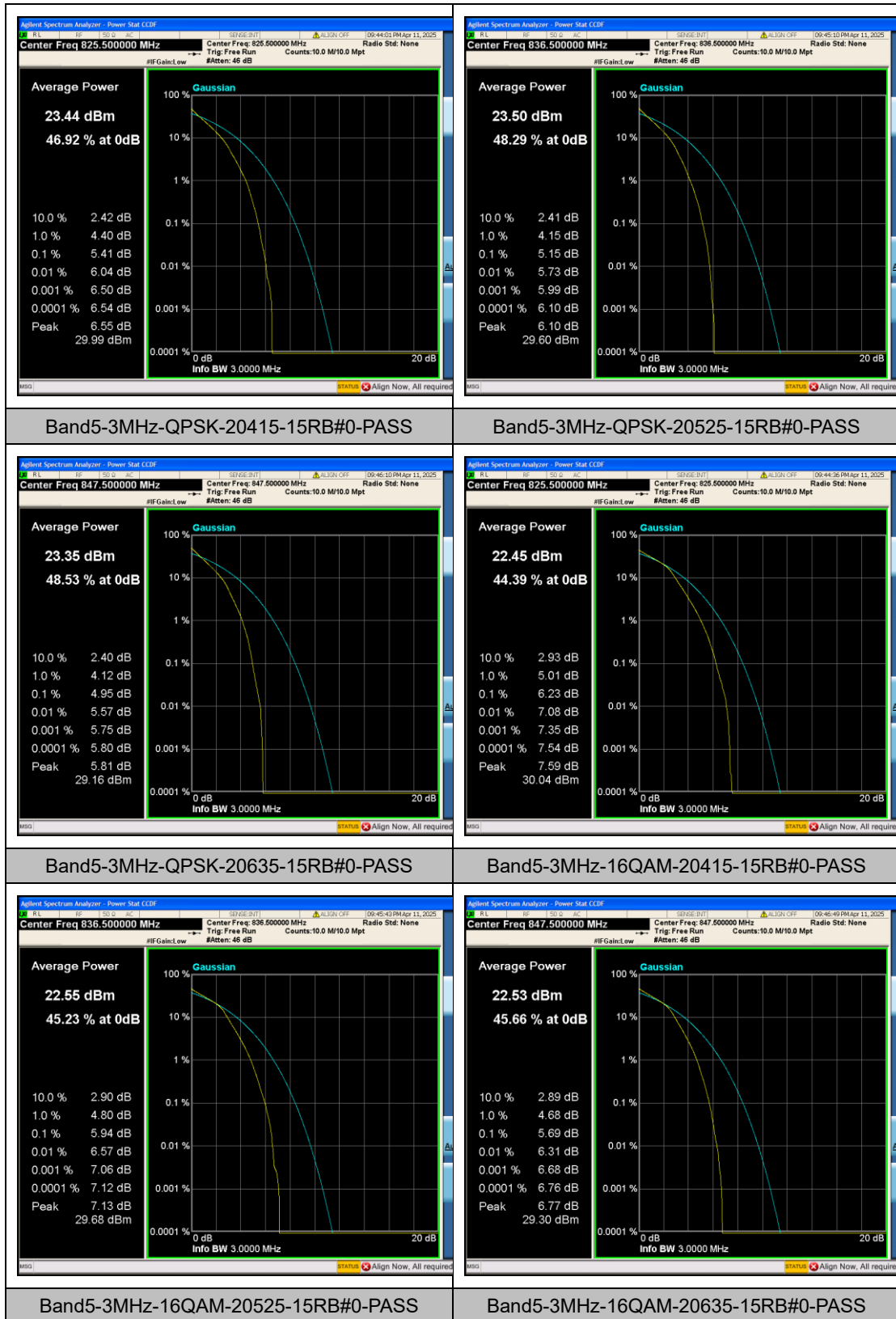
Appendix B: Peak-to-Average Ratio(CCDF)

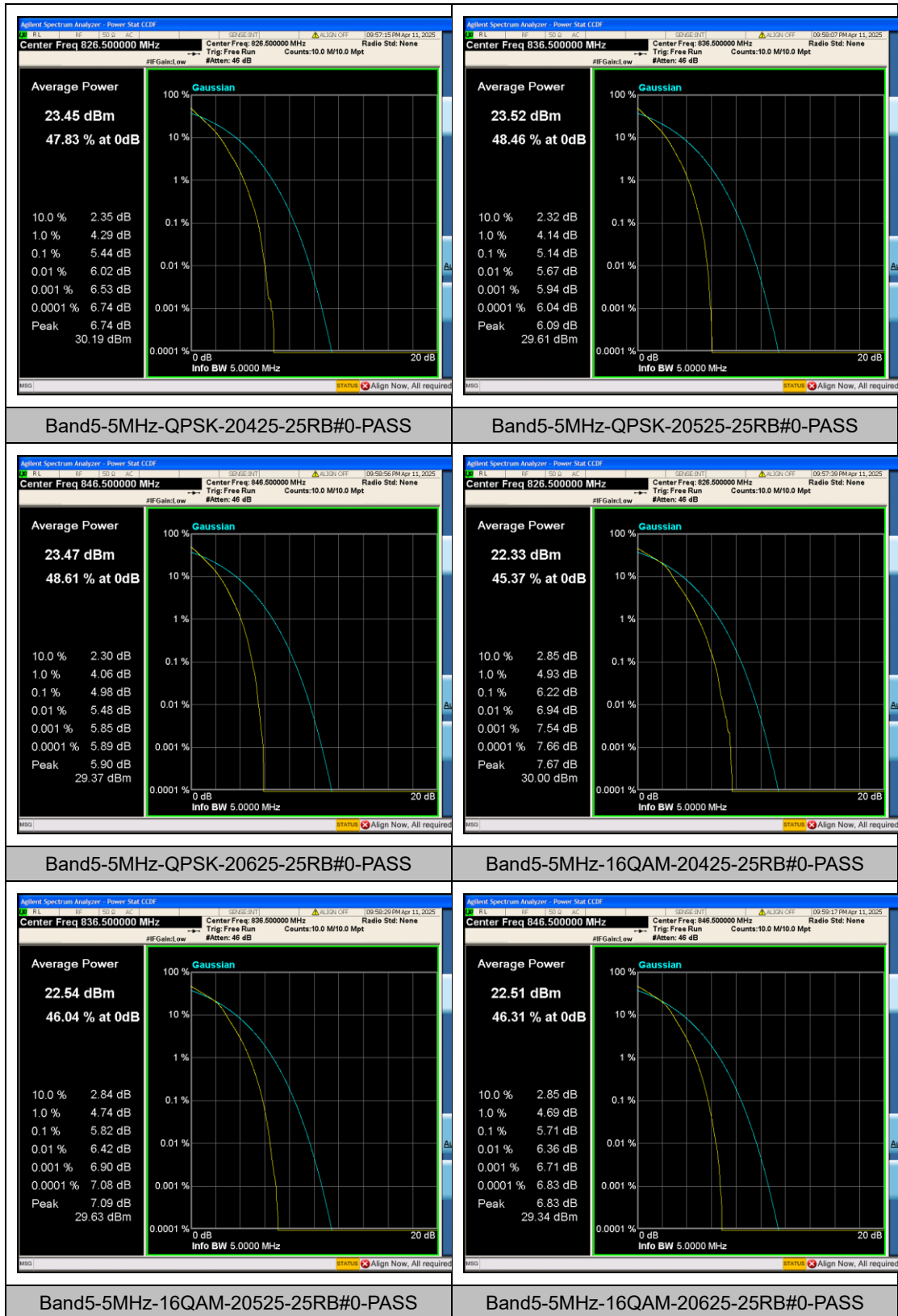
Test Result

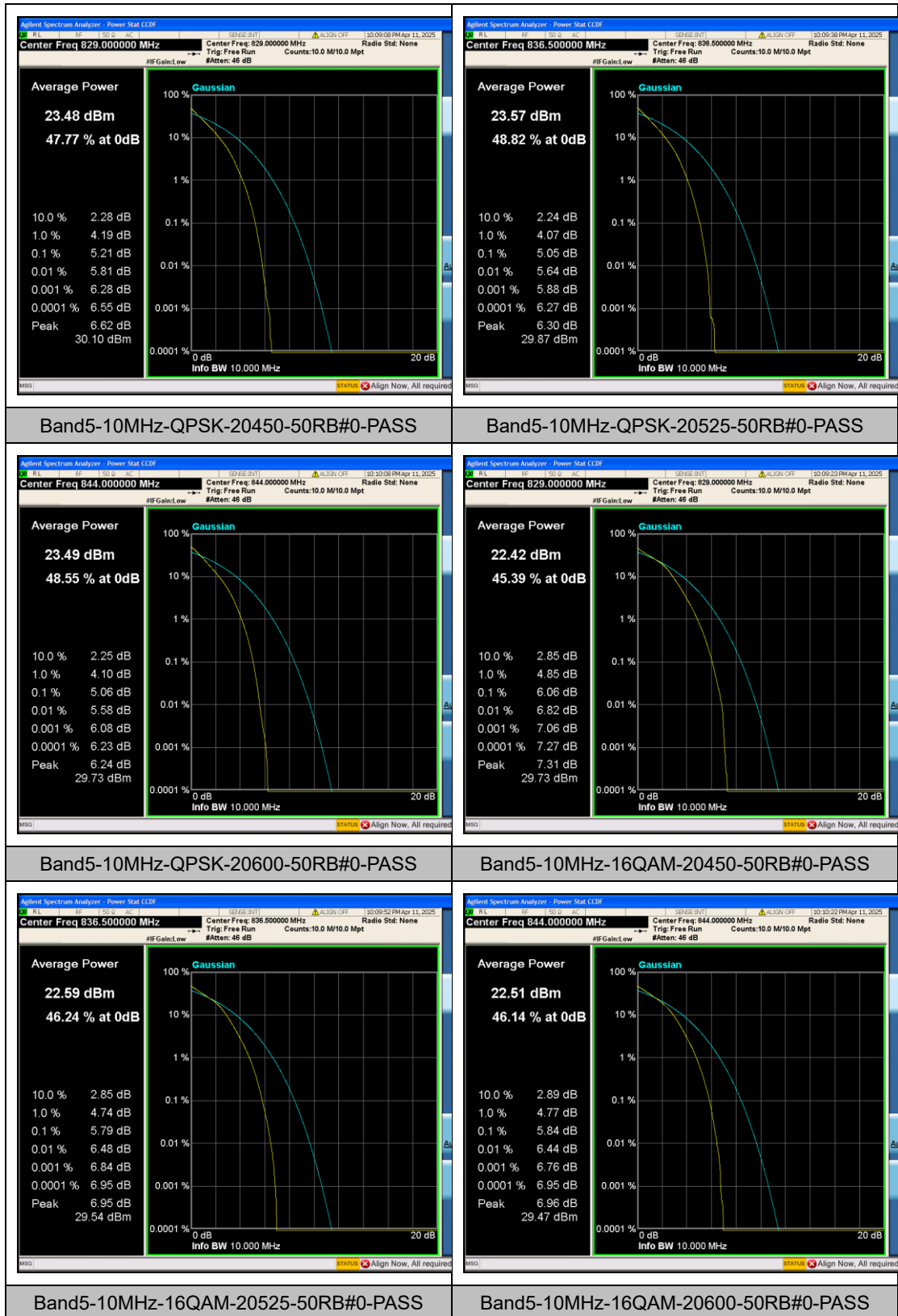
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.39	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.84	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.51	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.21	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.59	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.41	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.15	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.95	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.23	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.94	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.69	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.14	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.98	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.22	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.82	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.71	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.21	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.05	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.06	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.79	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.84	13	PASS

Test Graphs







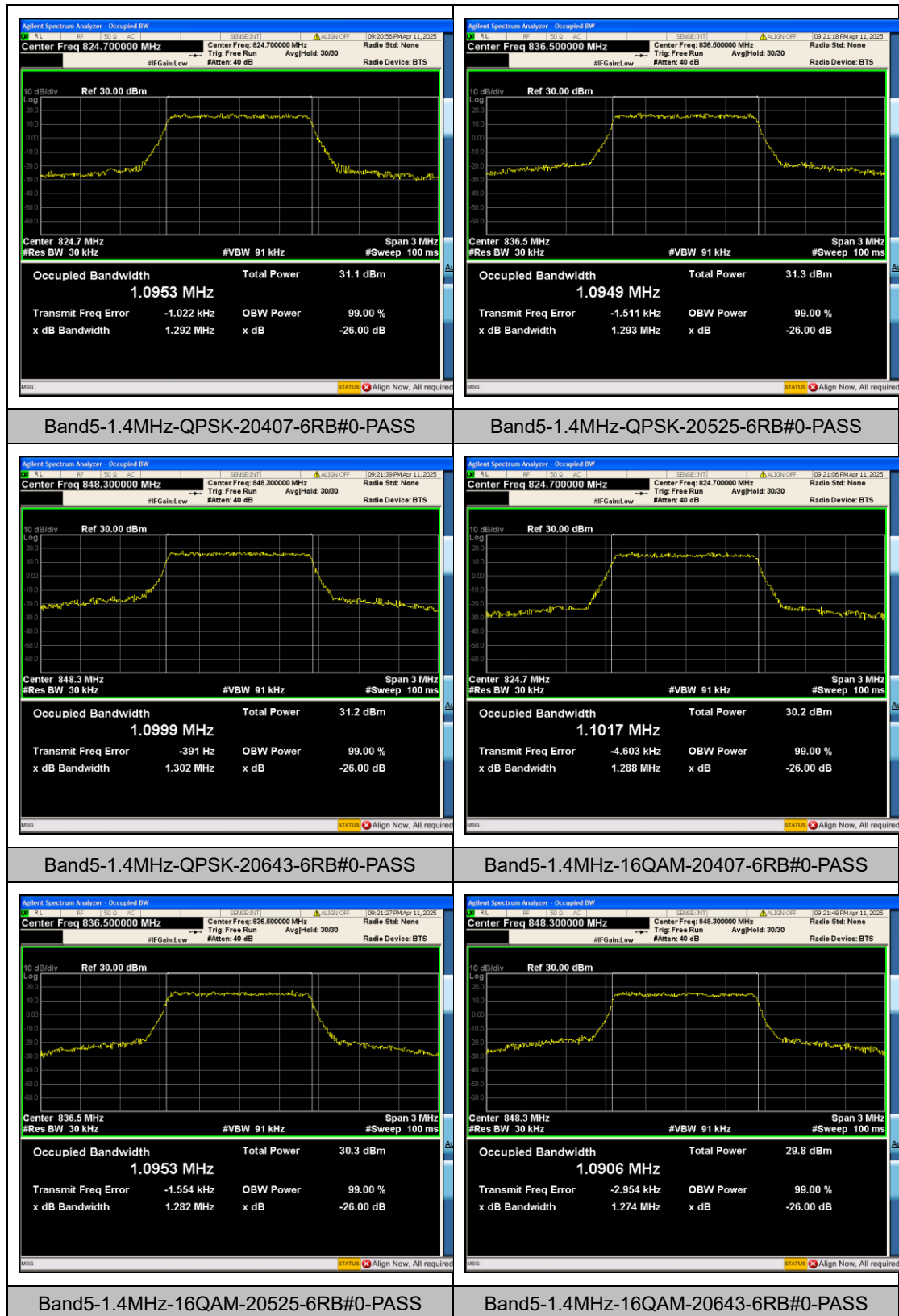


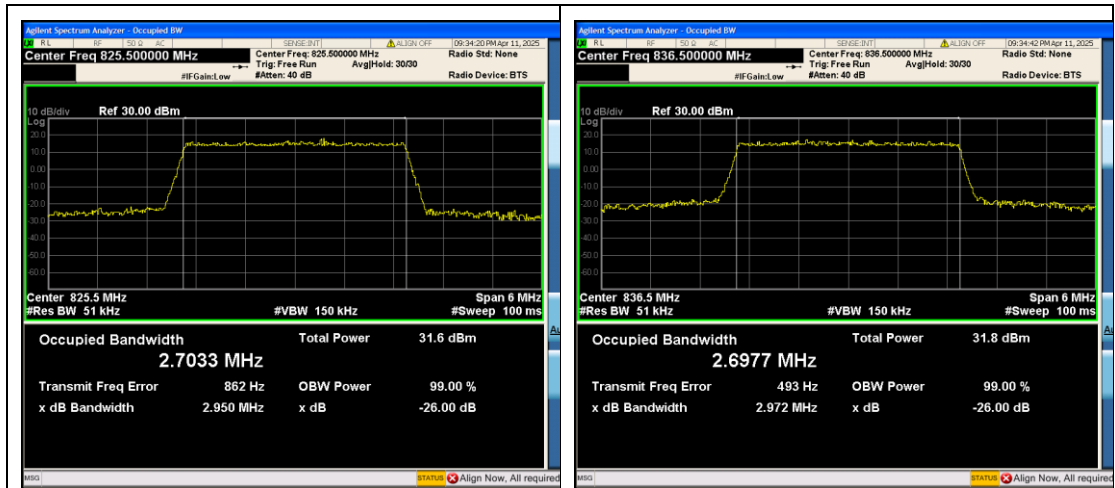
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0953	1.292	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0949	1.293	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0999	1.302	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1017	1.288	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0953	1.282	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0906	1.274	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7033	2.950	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6977	2.972	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7091	2.965	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6940	2.961	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6933	2.957	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6964	2.971	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5024	5.009	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4917	4.980	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5001	4.995	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4988	4.968	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4996	5.006	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5186	5.014	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9834	9.940	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9688	9.890	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9579	9.843	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9739	9.835	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9688	9.898	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9614	9.855	PASS

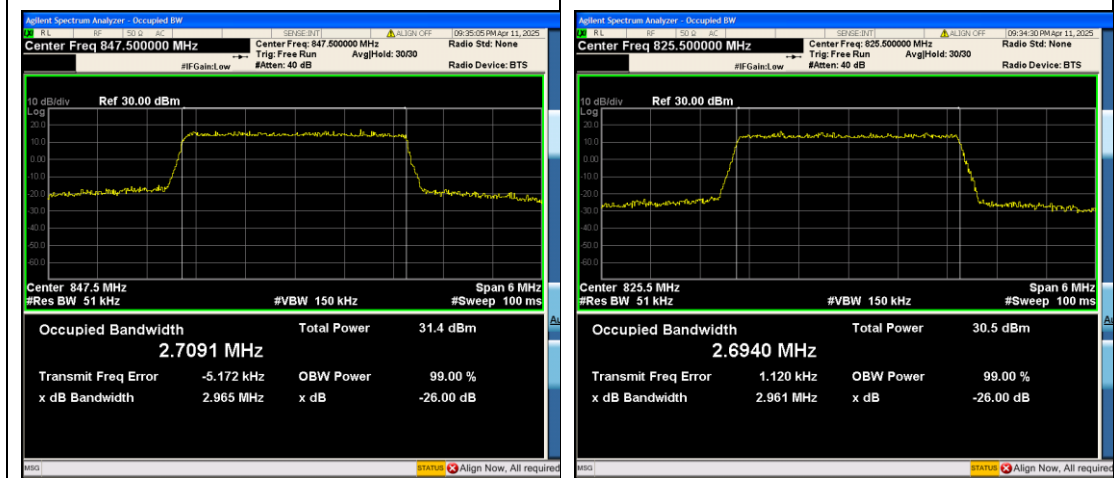
Test Graphs





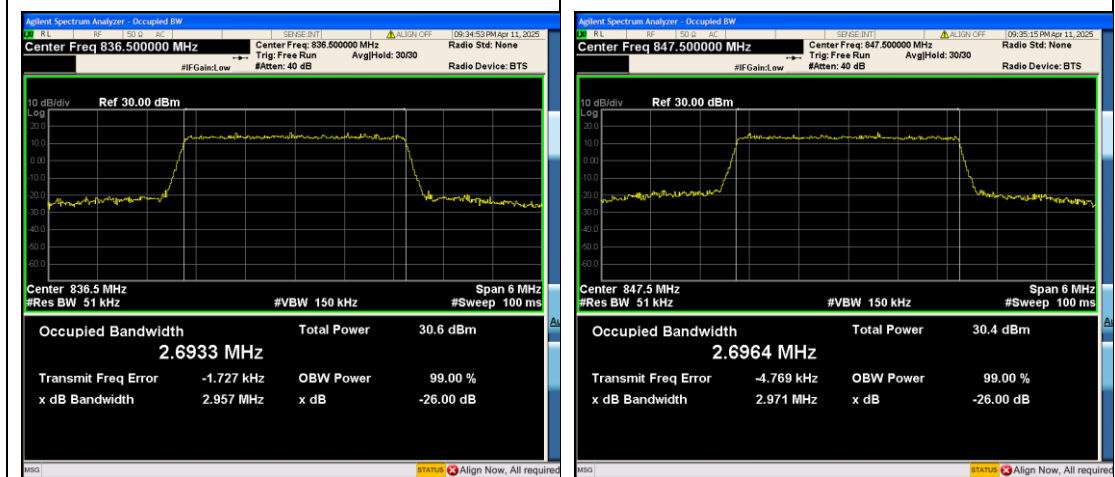
Band5-3MHz-QPSK-20415-15RB#0-PASS

Band5-3MHz-QPSK-20525-15RB#0-PASS



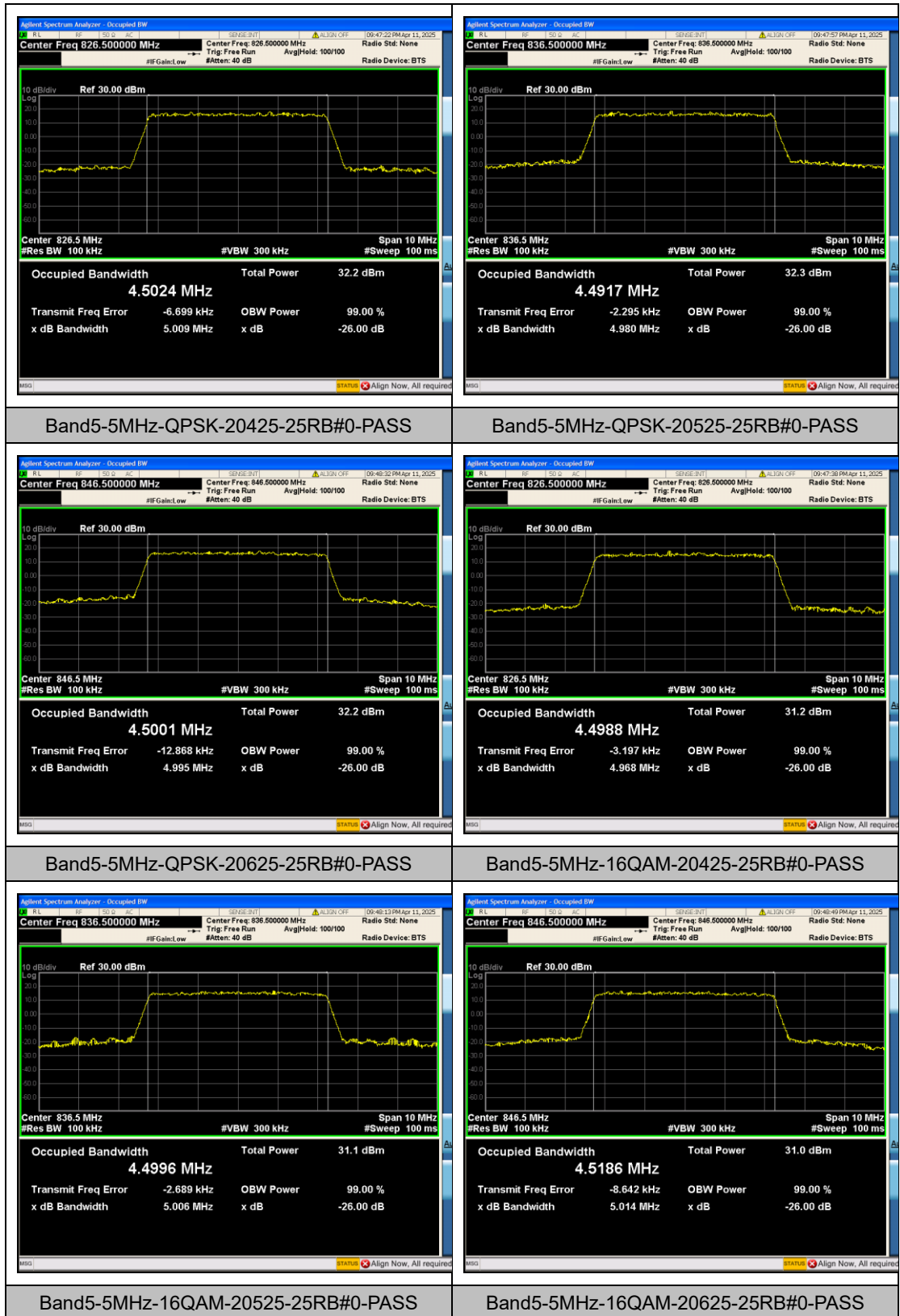
Band5-3MHz-QPSK-20635-15RB#0-PASS

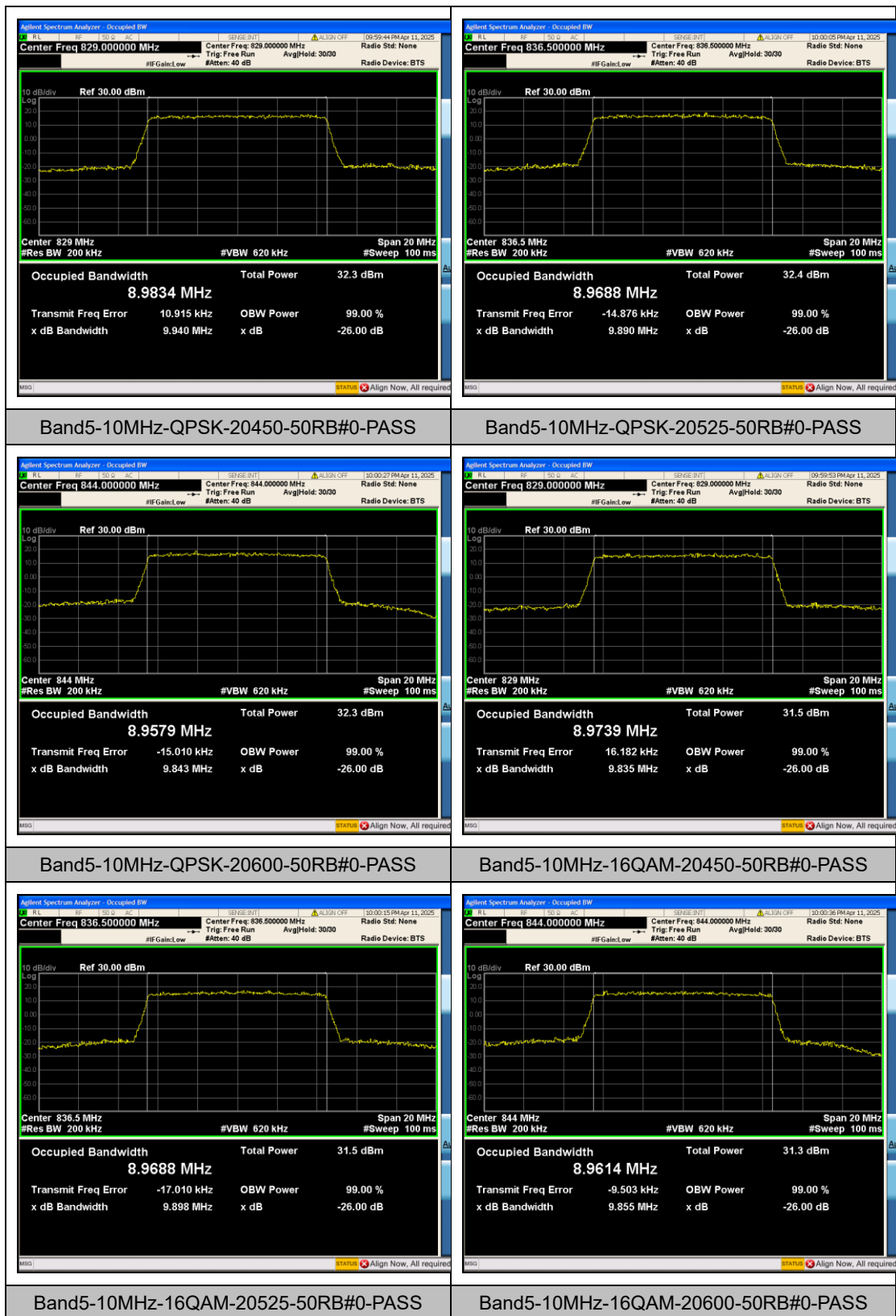
Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS

Band5-3MHz-16QAM-20635-15RB#0-PASS



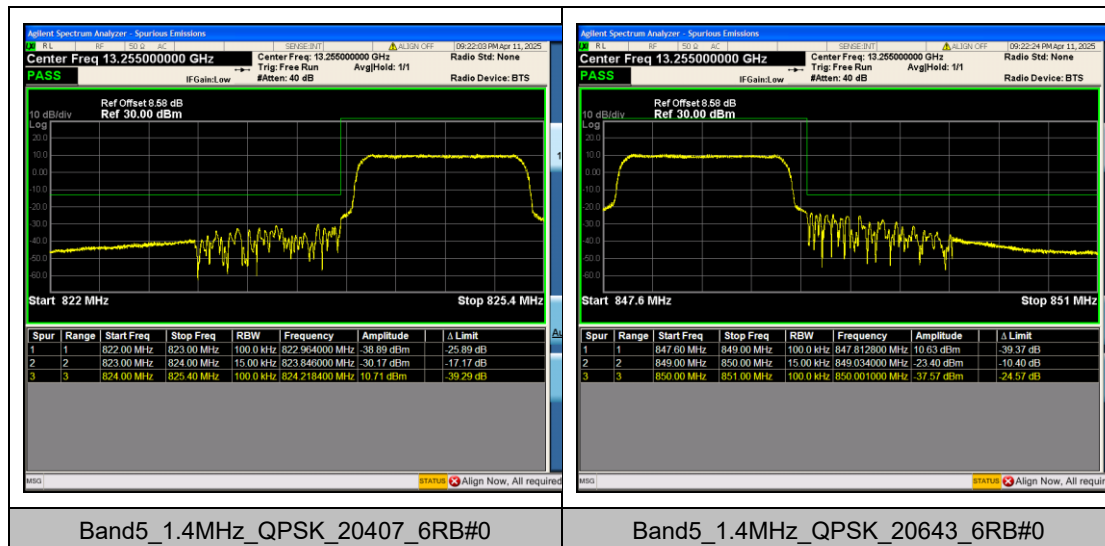


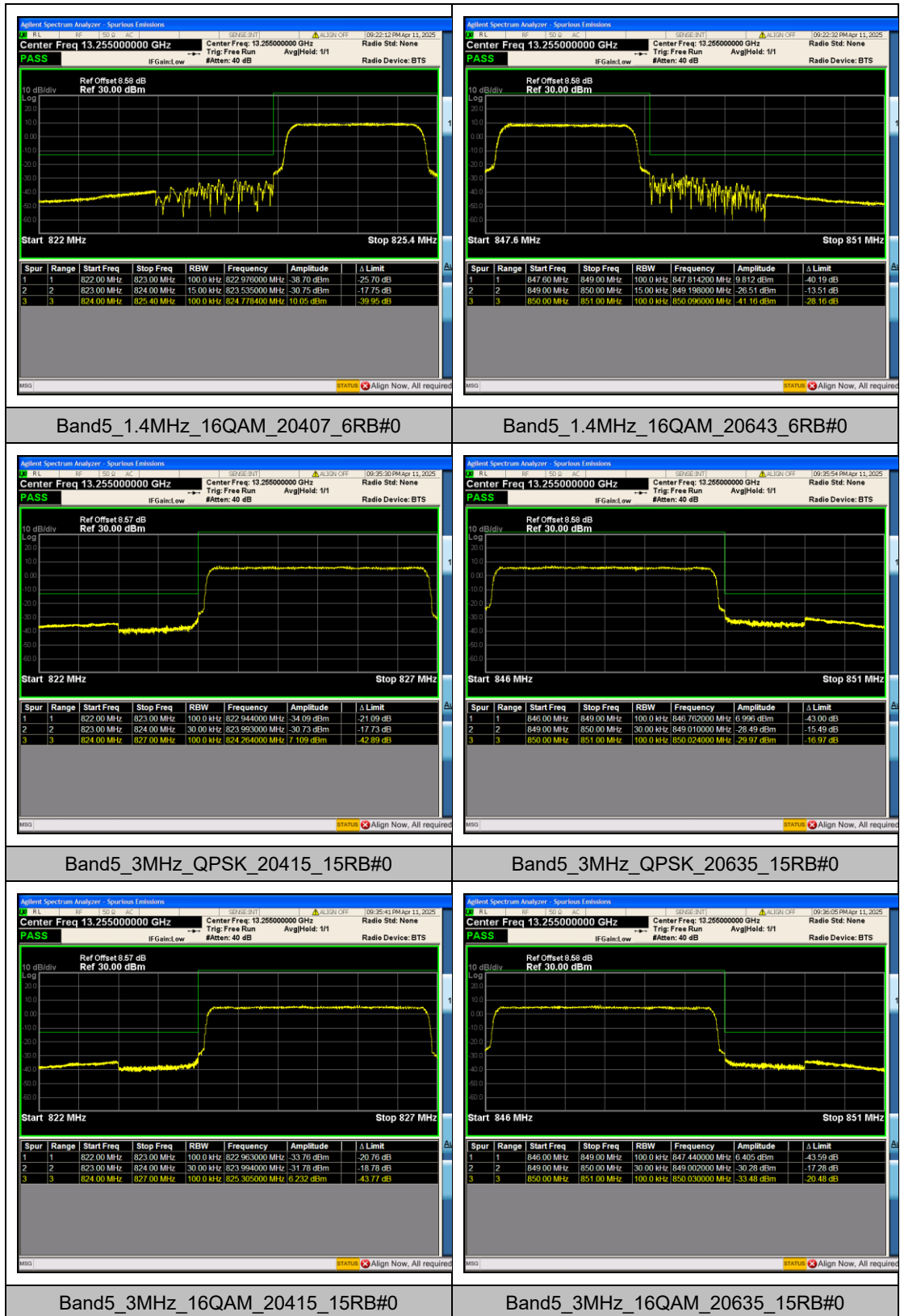
Appendix D: Band Edge

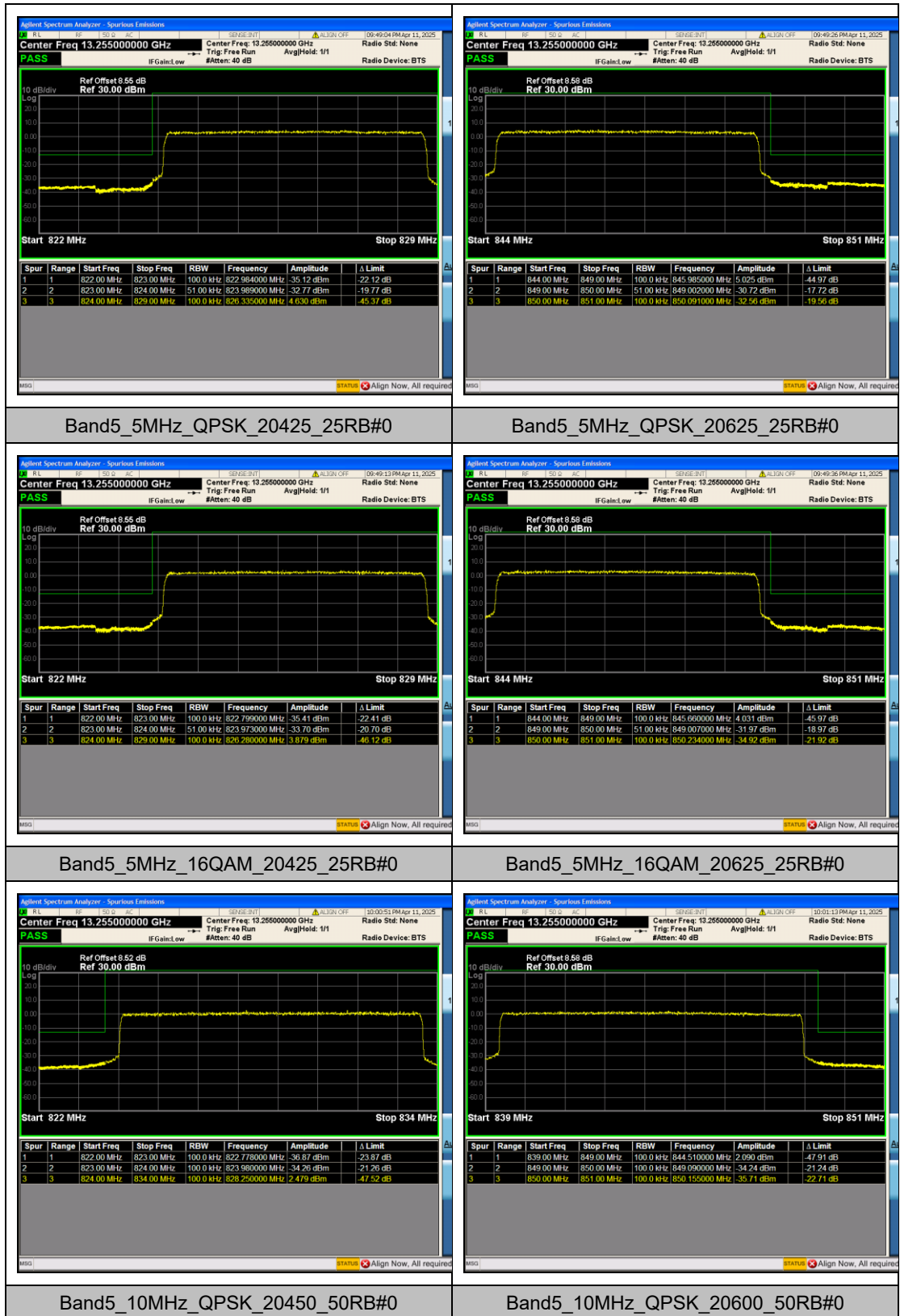
Test Result

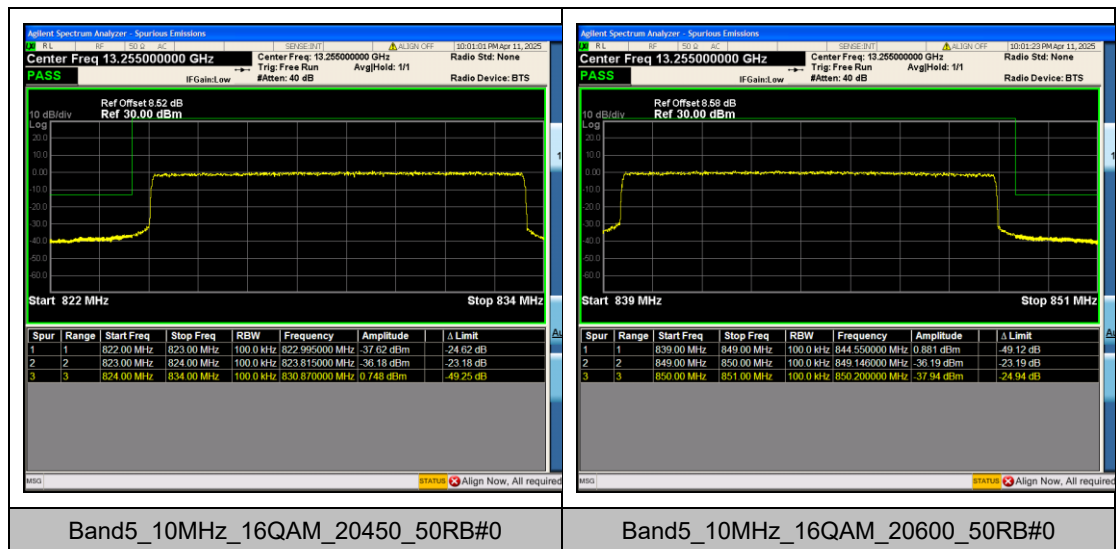
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-30.17	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-23.40	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.75	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-26.51	PASS
Band5	3MHz	QPSK	20415	15RB#0	-30.73	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.49	PASS
Band5	3MHz	16QAM	20415	15RB#0	-31.78	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.28	PASS
Band5	5MHz	QPSK	20425	25RB#0	-32.77	PASS
Band5	5MHz	QPSK	20625	25RB#0	-30.72	PASS
Band5	5MHz	16QAM	20425	25RB#0	-33.70	PASS
Band5	5MHz	16QAM	20625	25RB#0	-31.97	PASS
Band5	10MHz	QPSK	20450	50RB#0	-34.26	PASS
Band5	10MHz	QPSK	20600	50RB#0	-34.24	PASS
Band5	10MHz	16QAM	20450	50RB#0	-36.18	PASS
Band5	10MHz	16QAM	20600	50RB#0	-36.19	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-41.58	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-54.97	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-48.16	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-44.57	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-43.15	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-39.52	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-54.46	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-50.77	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-44.87	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-43.39	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-41.20	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-54.58	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-46.53	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-44.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-43.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-44.35	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-53.08	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-49.80	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-45.10	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-43.36	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-42.68	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-54.52	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-51.21	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-45.32	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.36	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-40.12	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-56.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-49.43	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-46.08	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-42.94	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-41.62	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.90	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-48.76	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-46.31	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.18	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-41.89	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-52.22	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-50.56	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-46.86	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-43.02	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-40.20	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-52.95	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-48.77	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.79	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.23	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-42.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-53.53	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-50.85	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-46.94	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-43.56	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-40.20	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-53.37	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-52.60	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.86	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-43.27	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-41.41	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-54.25	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-51.21	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-47.12	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-43.15	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-43.39	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-53.03	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-50.20	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-47.02	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-43.27	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-42.13	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-53.21	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-52.37	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-46.70	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-42.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-44.79	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-53.36	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-50.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.60	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.31	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-44.66	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-53.95	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-52.48	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-47.01	PASS