

FCC LTE Band Test Data

FCC ID : 2AVYL-ZEUSS68

Company: : Shenzhen Eternity Technology Co., Ltd

EUT : smart phone

Model Number : ZEUSS68

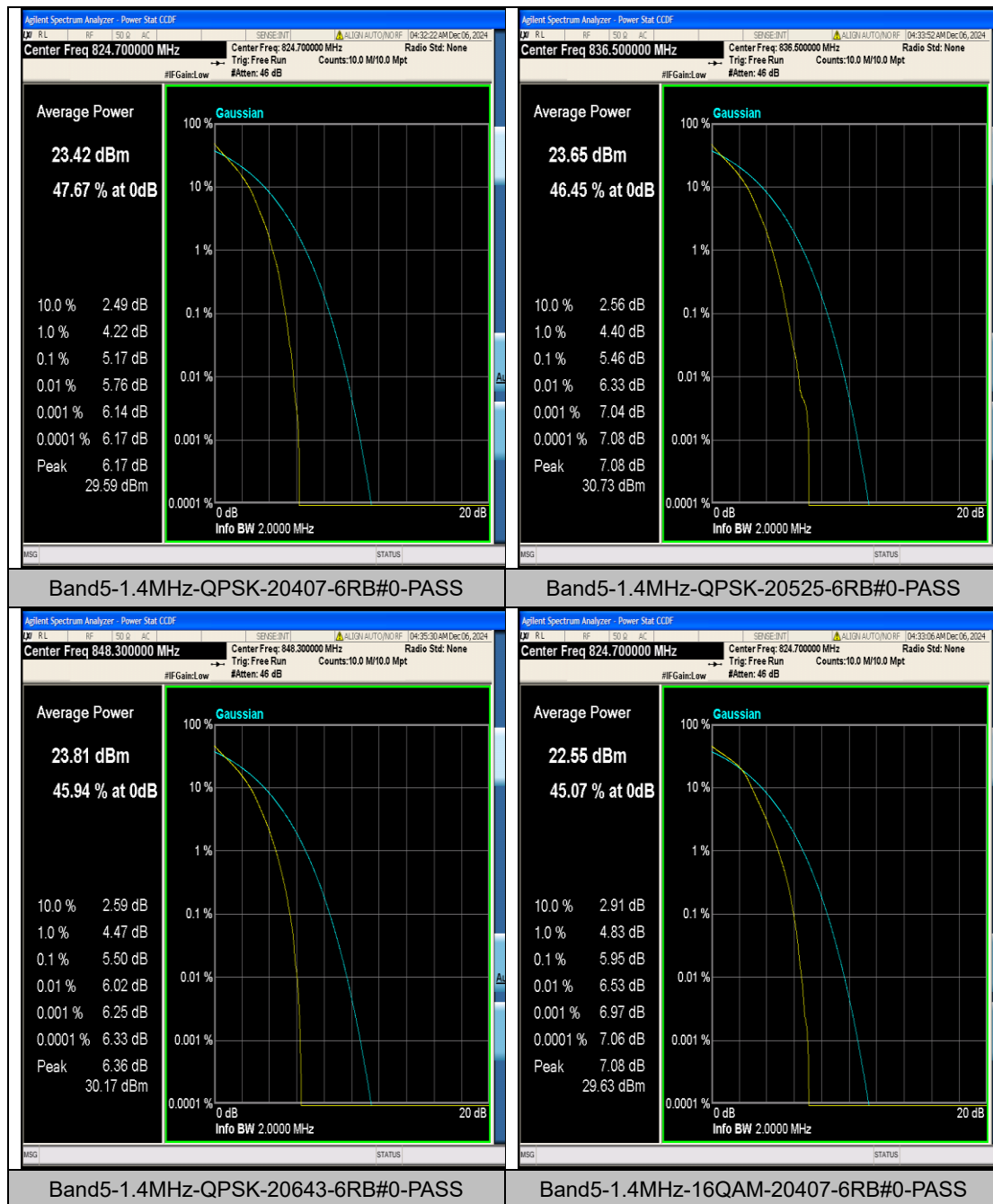
Reviewed By : Eric Wang

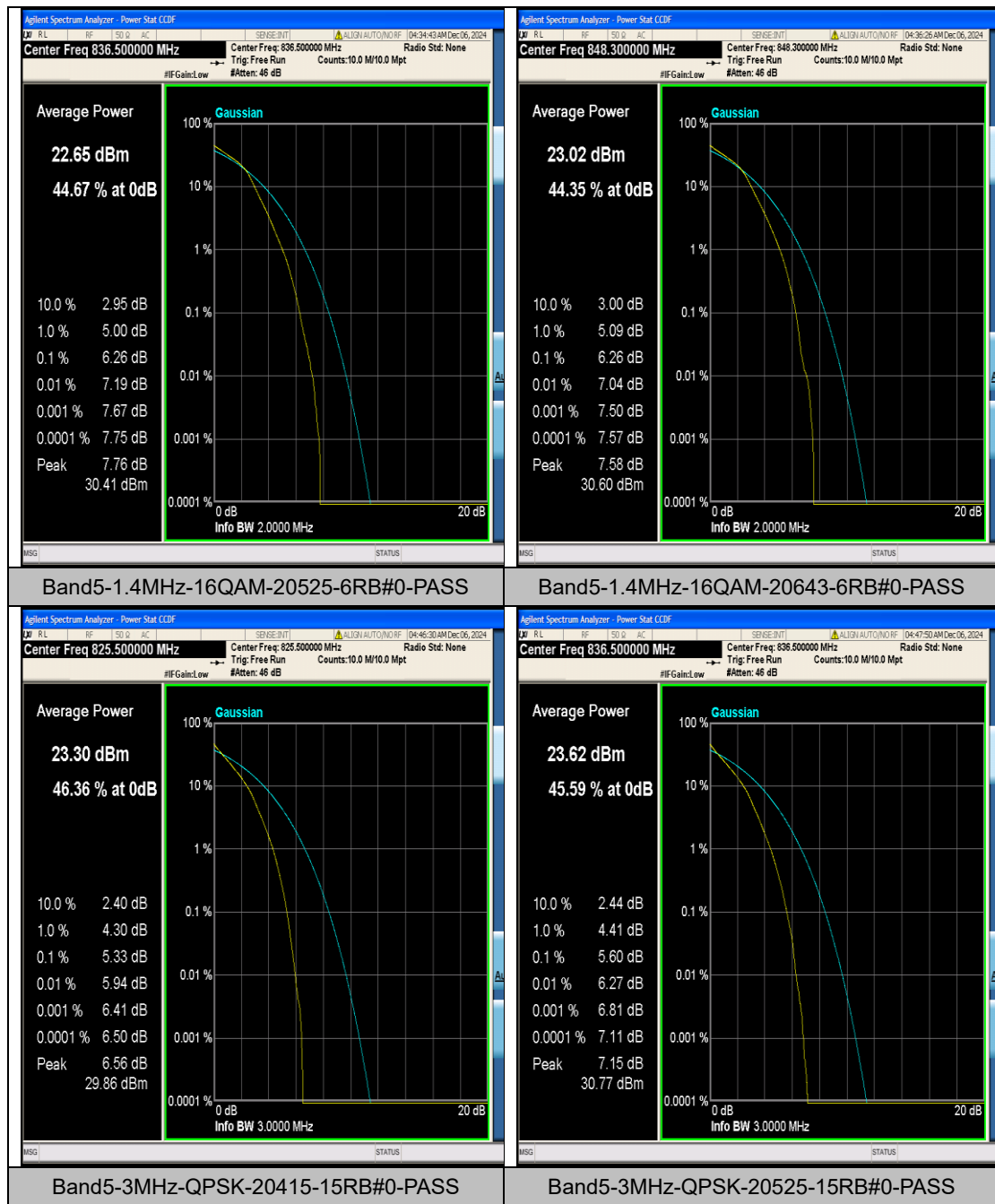
Appendix B: Peak-to-Average Ratio(CCDF)

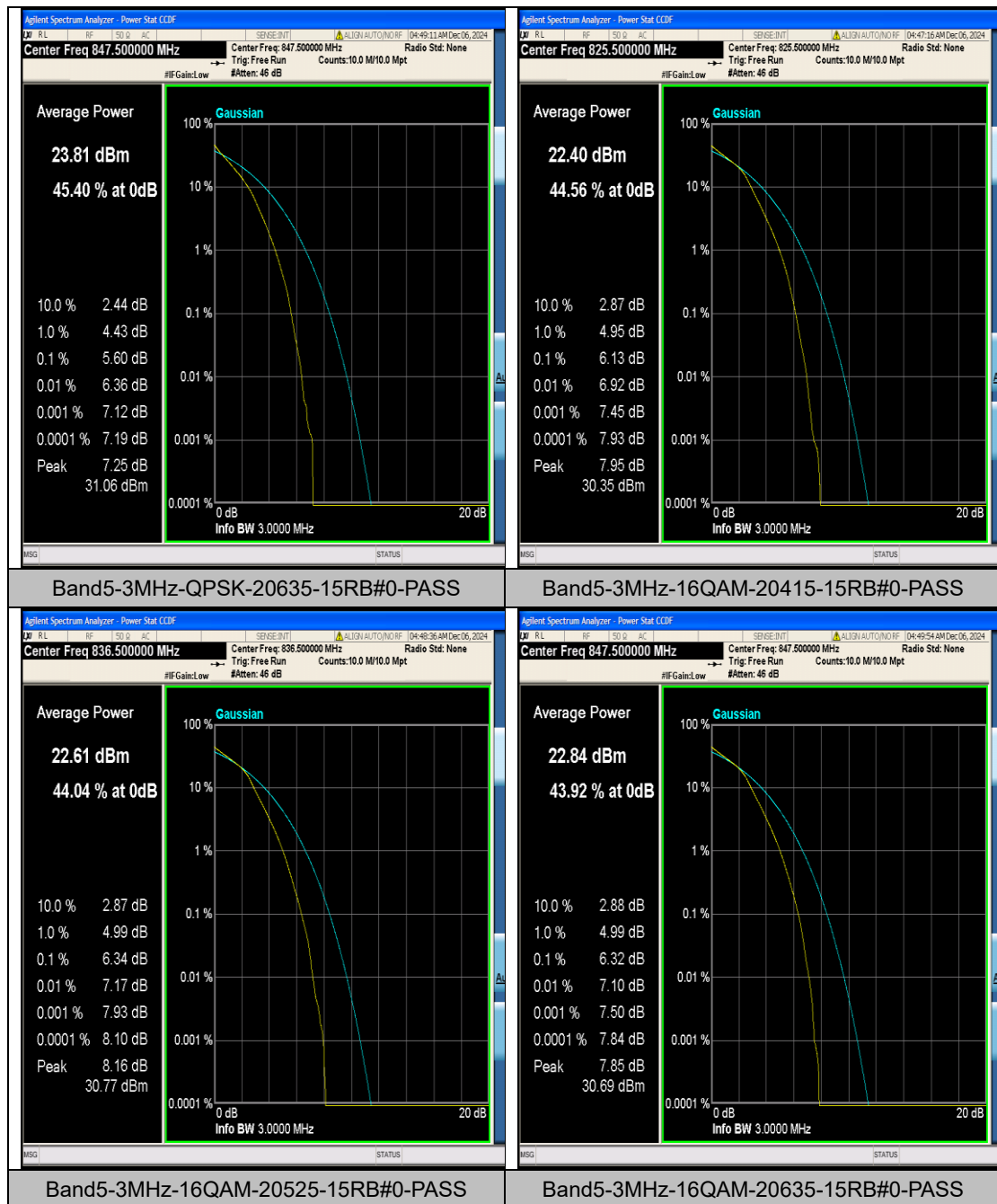
Test Result

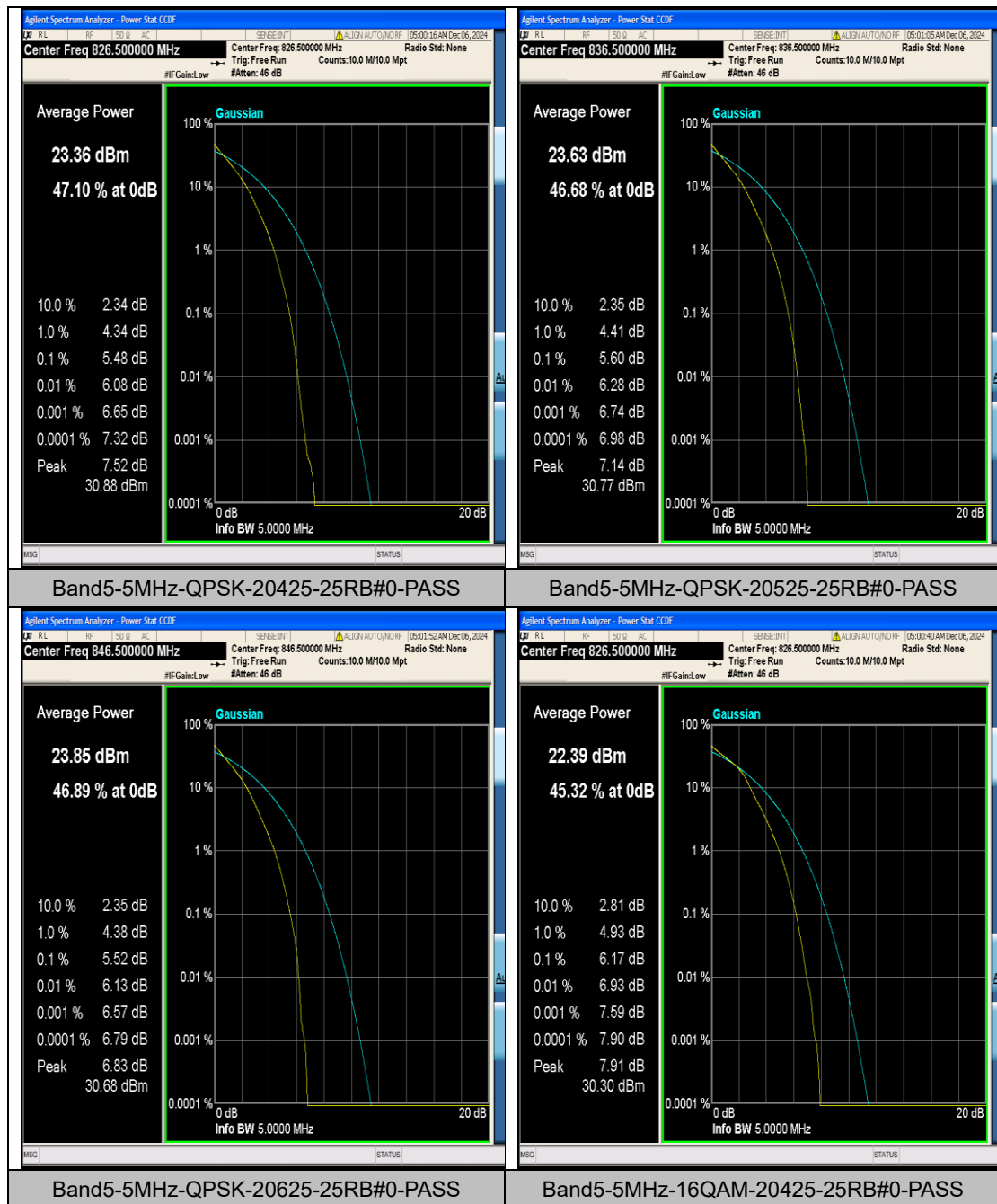
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.17	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.46	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.50	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.95	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.26	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.60	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.60	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.13	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.34	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.32	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.60	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.52	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.17	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.25	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.23	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.50	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.63	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.52	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.25	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.31	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.26	13	PASS

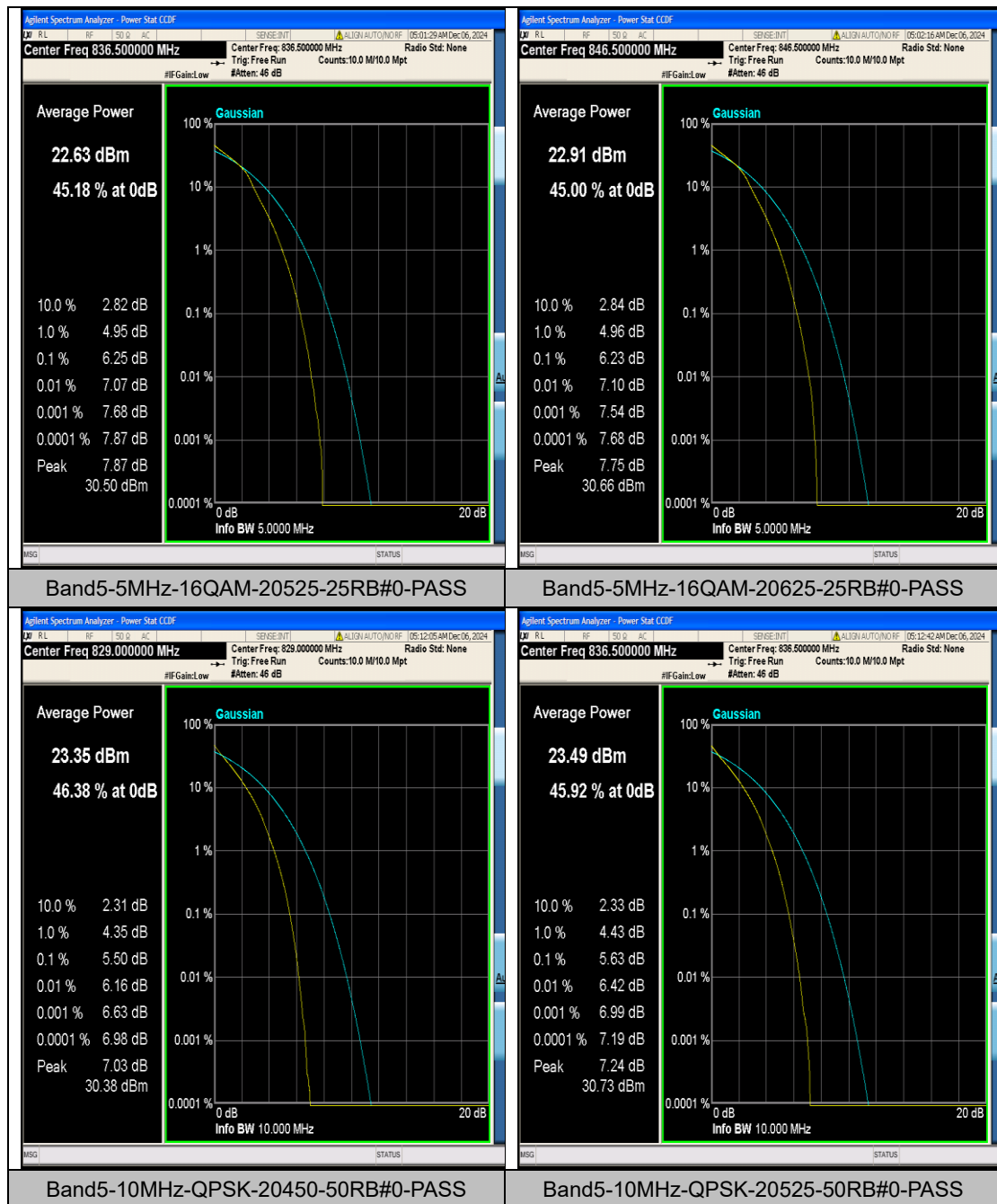
Test Graphs











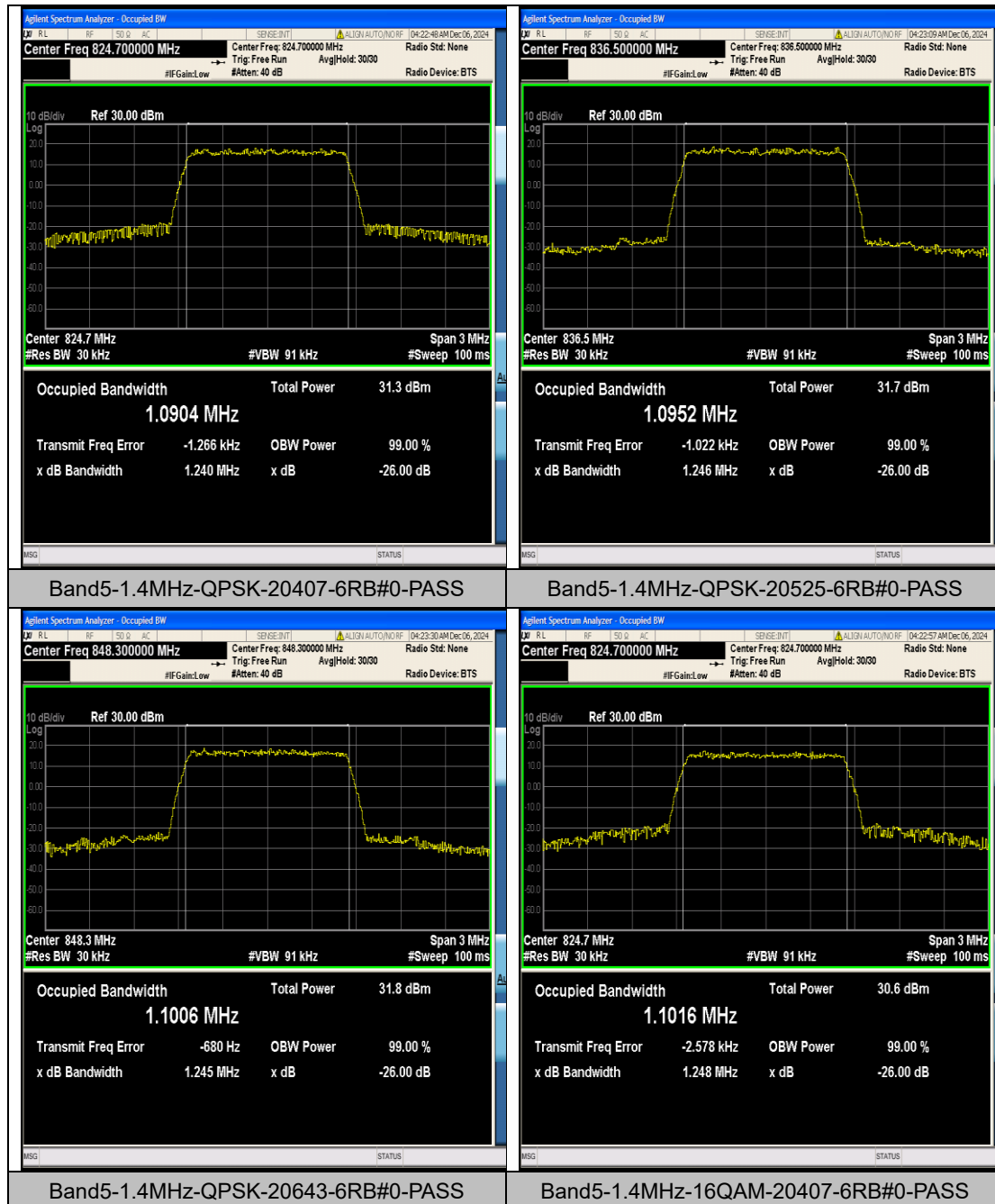


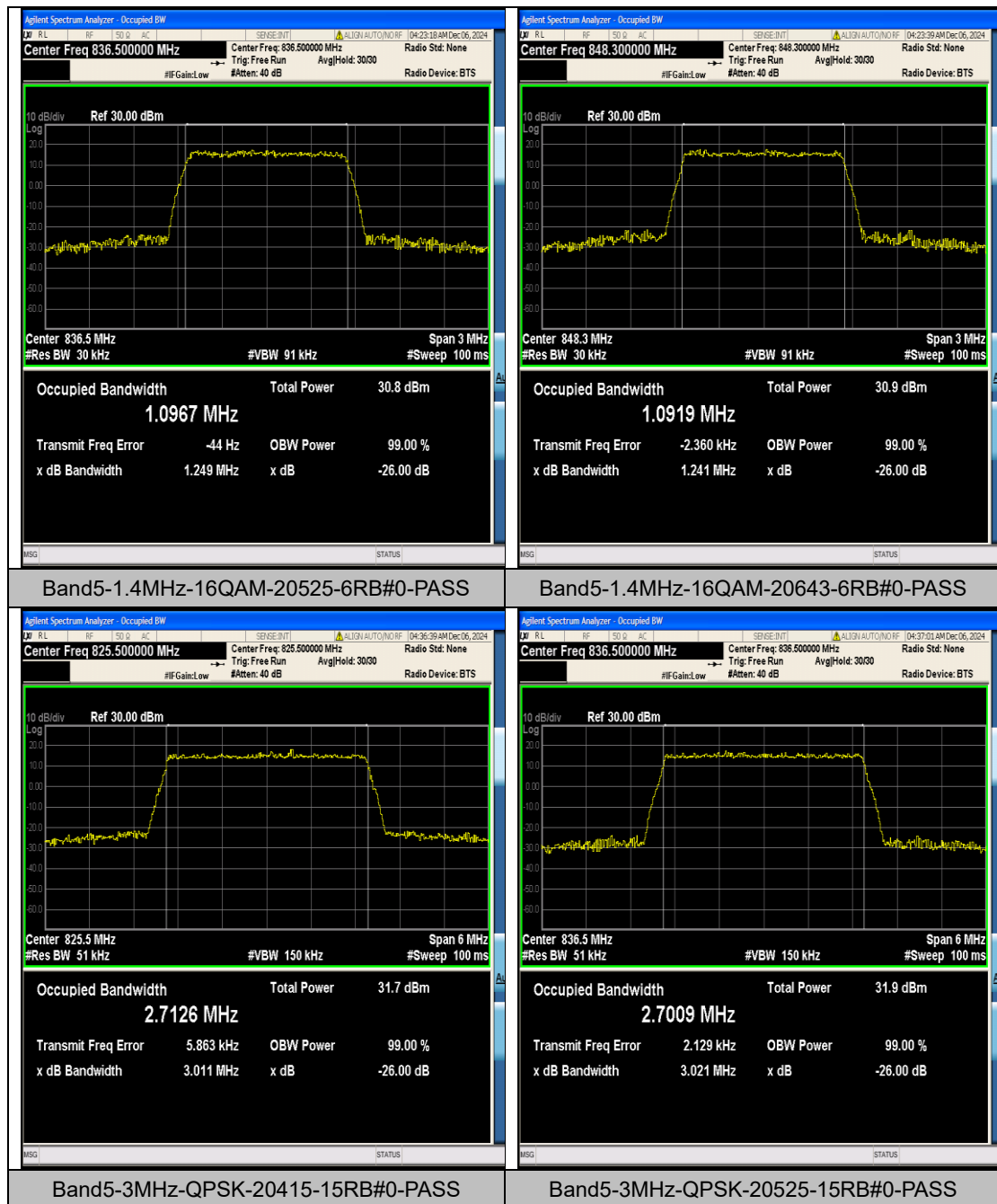
Appendix C: 26dB Bandwidth and Occupied Bandwidth

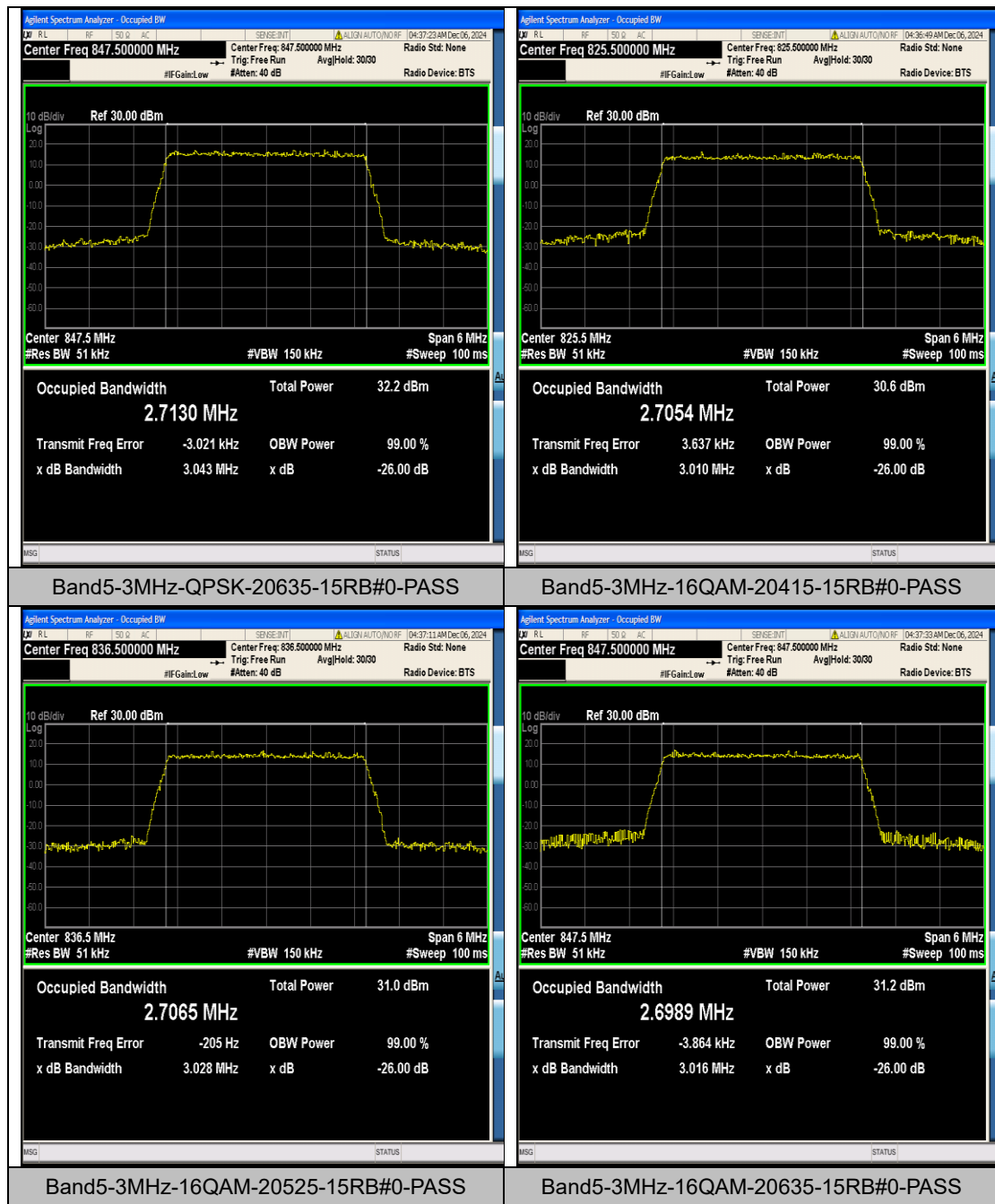
Test Result

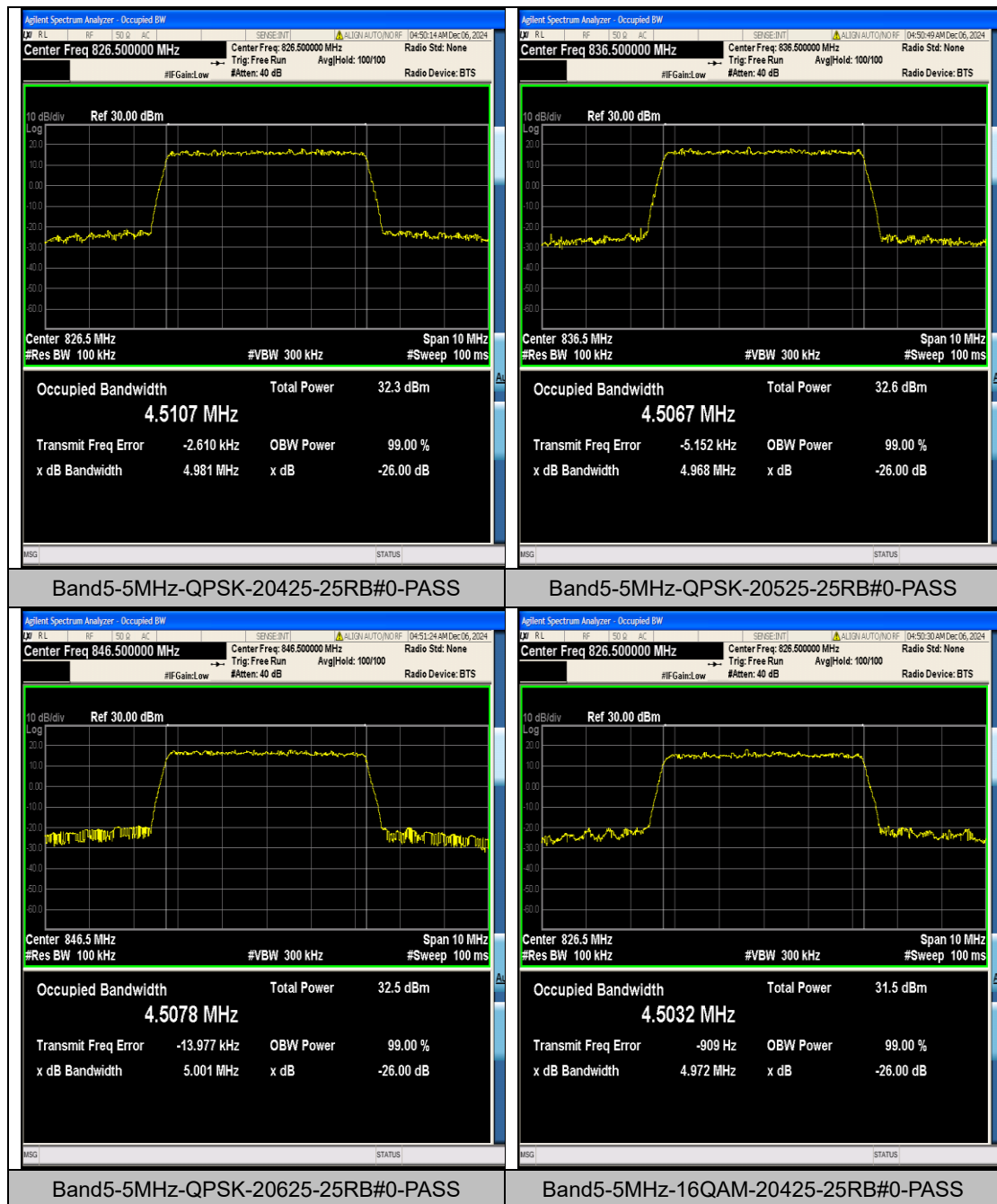
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0904	1.240	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0952	1.246	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1006	1.245	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1016	1.248	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0967	1.249	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0919	1.241	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7126	3.011	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7009	3.021	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7130	3.043	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7054	3.010	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7065	3.028	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6989	3.016	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5107	4.981	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5067	4.968	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5078	5.001	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5032	4.972	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5126	4.989	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5289	4.999	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9956	9.898	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0016	9.907	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9611	9.847	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9774	9.928	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0055	9.917	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9855	9.898	PASS

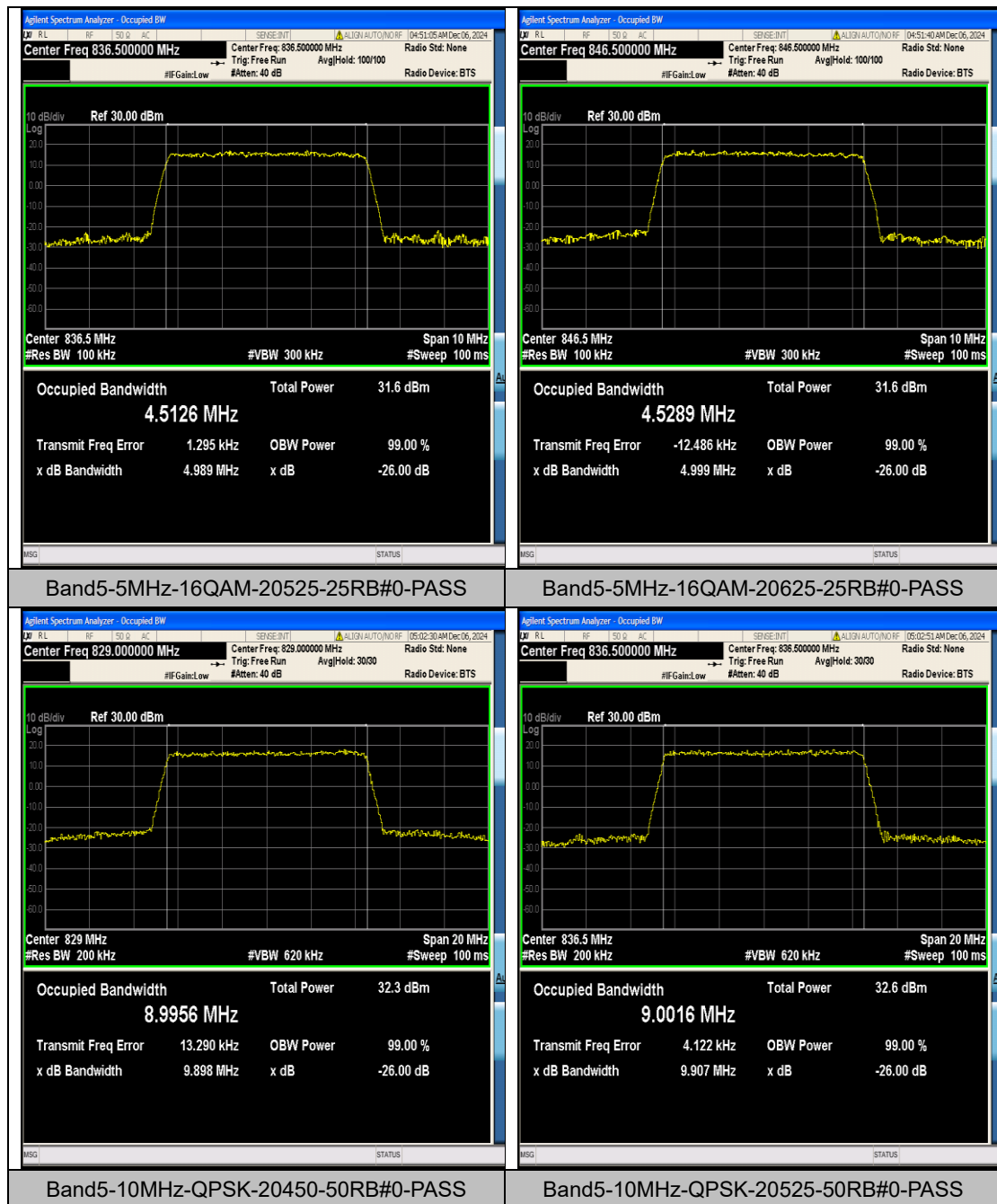
Test Graphs

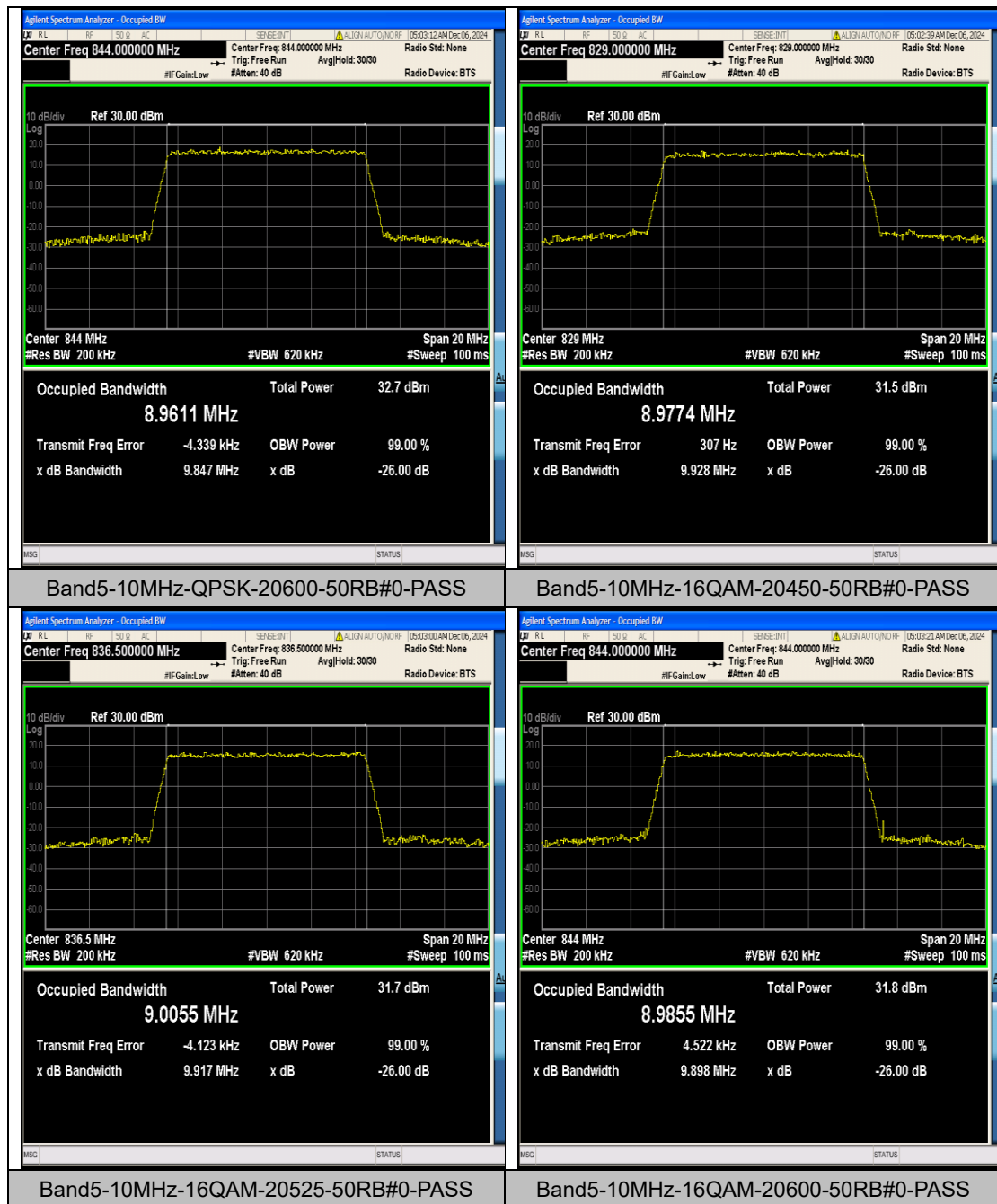












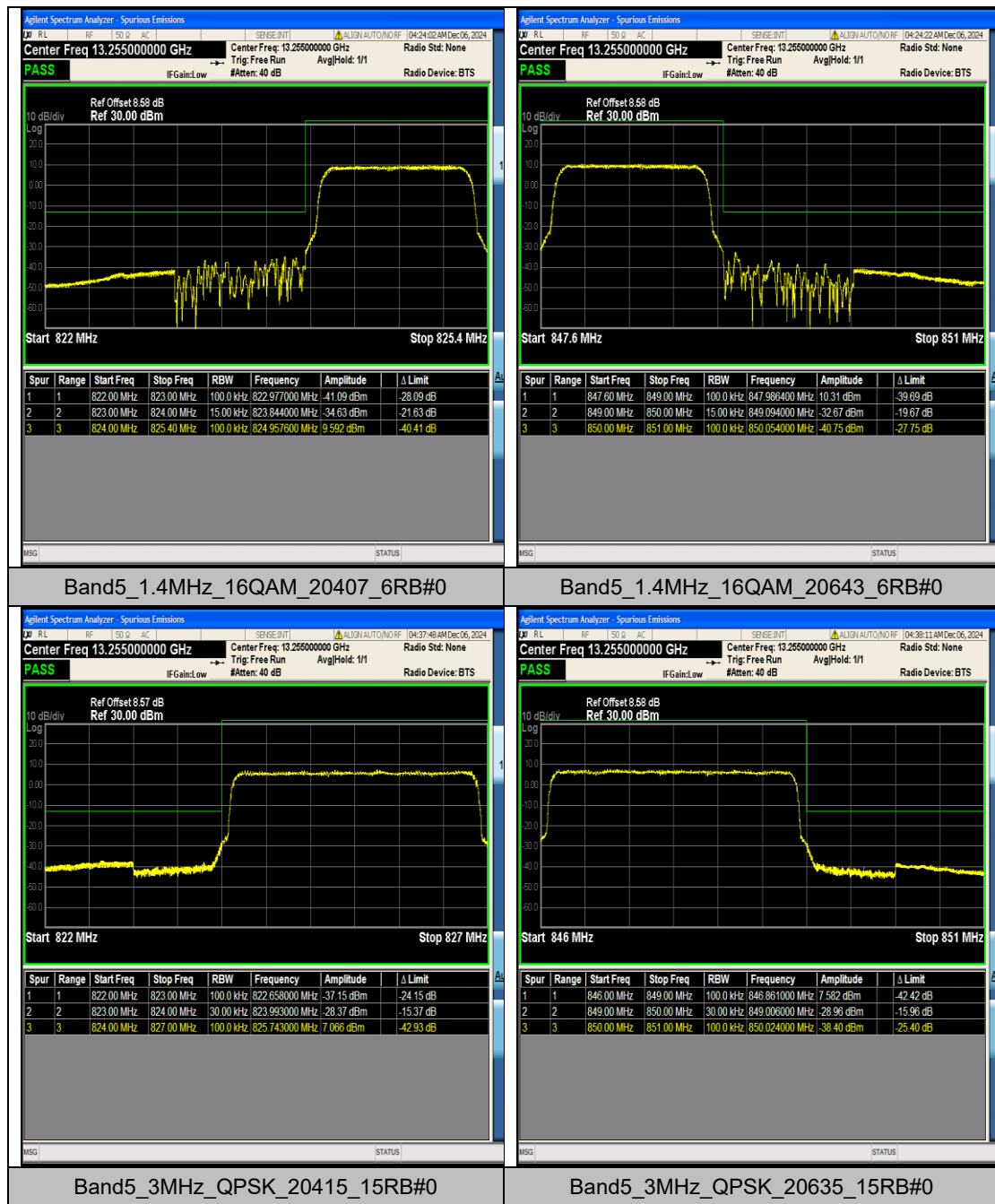
Appendix D: Band Edge

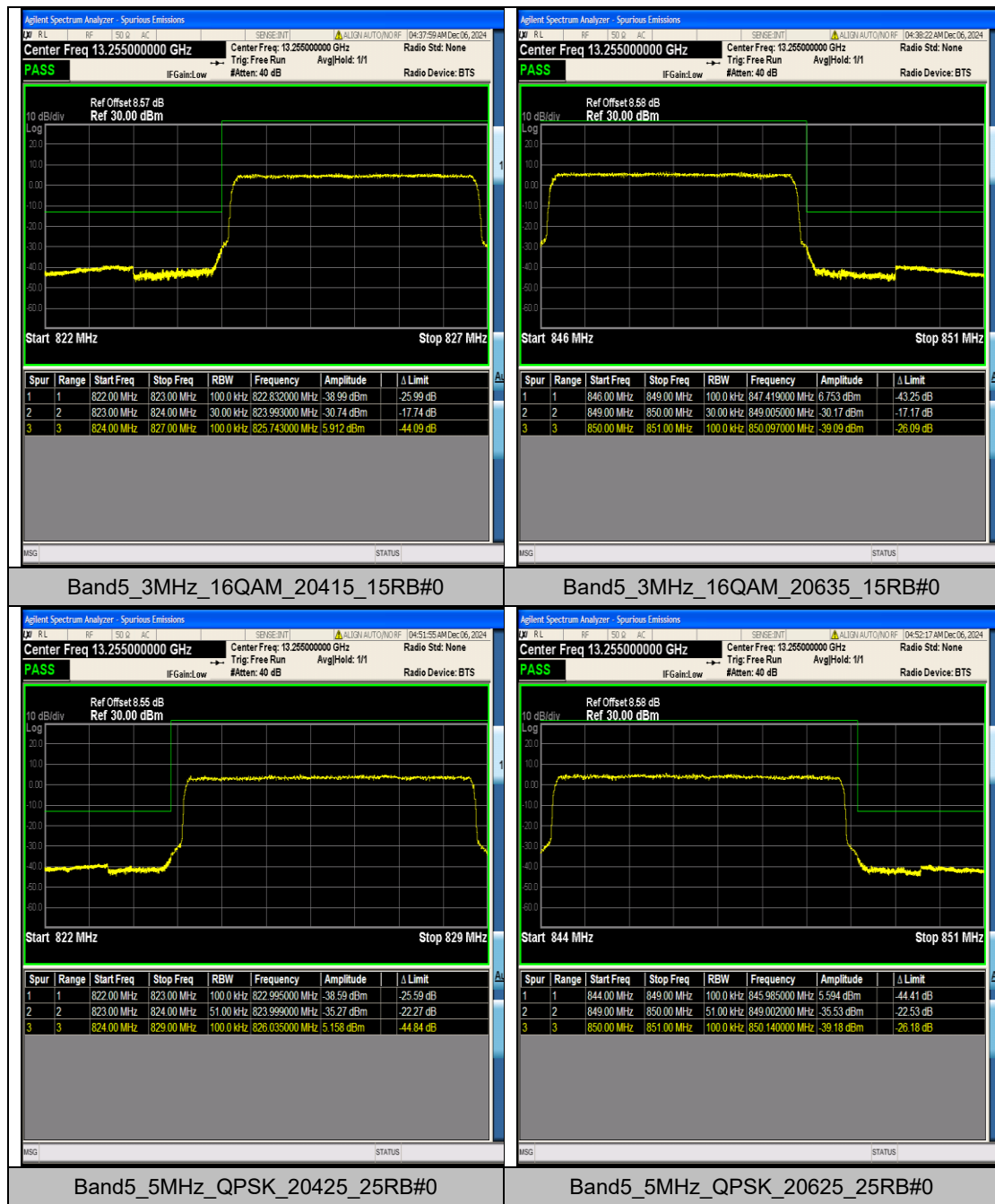
Test Result

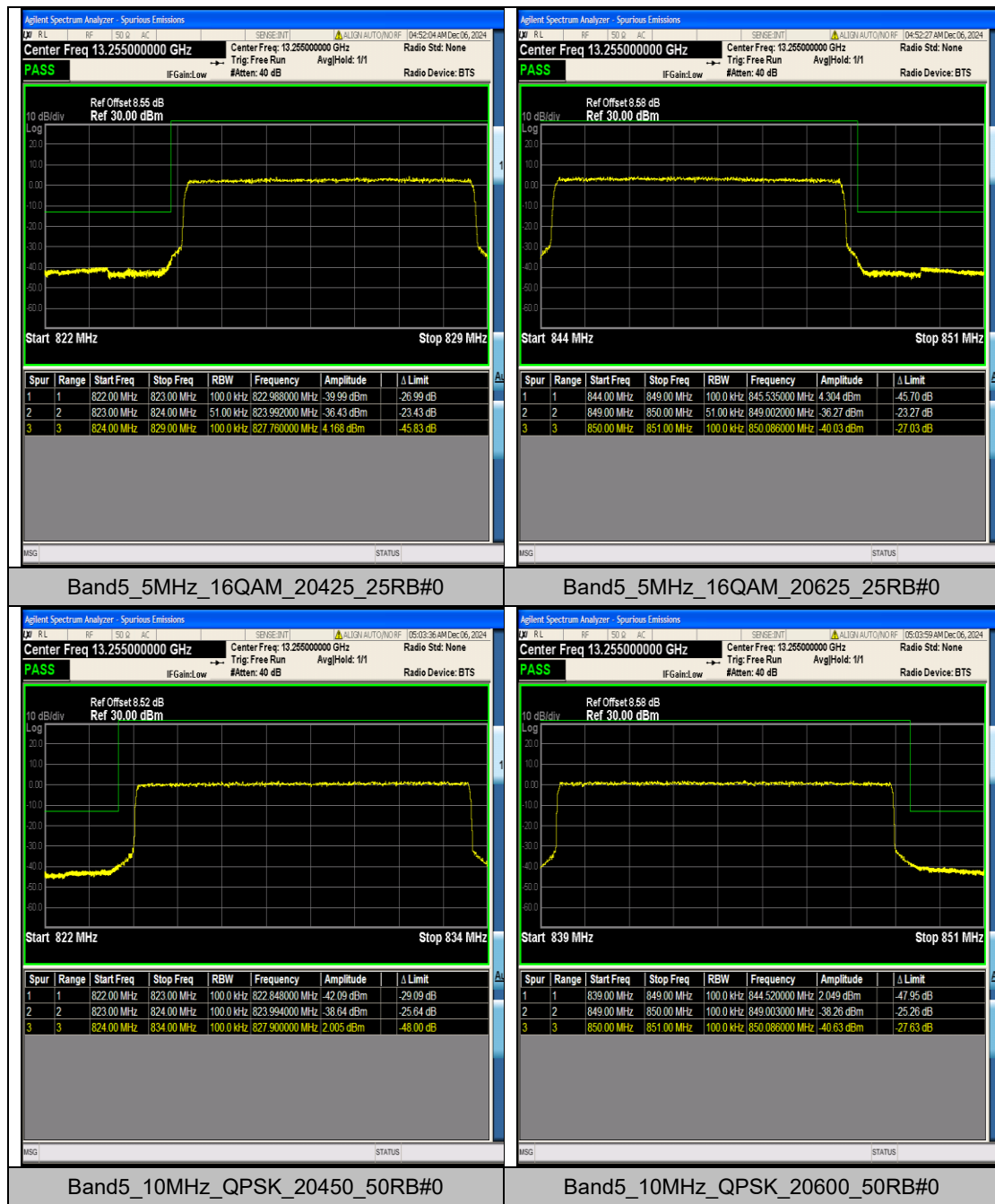
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-31.96	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.31	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-34.63	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-32.67	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.37	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	-30.74	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.17	PASS
Band5	5MHz	QPSK	20425	25RB#0	-35.27	PASS
Band5	5MHz	QPSK	20625	25RB#0	-35.53	PASS
Band5	5MHz	16QAM	20425	25RB#0	-36.43	PASS
Band5	5MHz	16QAM	20625	25RB#0	-36.27	PASS
Band5	10MHz	QPSK	20450	50RB#0	-38.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	-38.26	PASS
Band5	10MHz	16QAM	20450	50RB#0	-40.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	-38.91	PASS

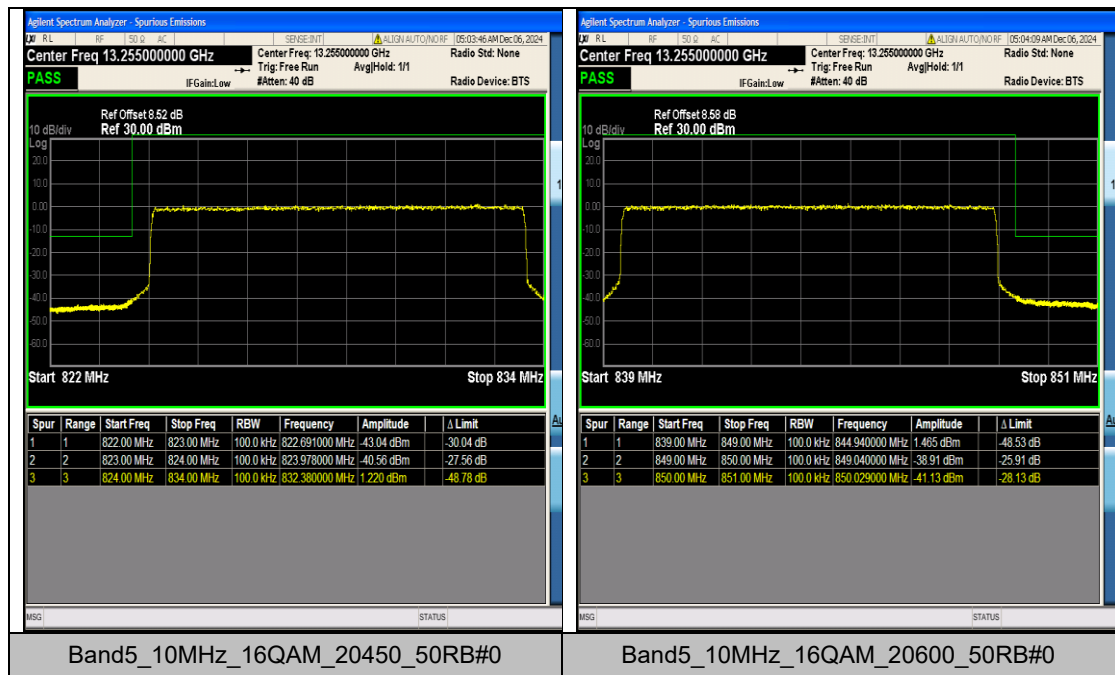
Test Graphs











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	-41.31	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-52.57	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-52.25	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-44.72	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-38.95	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-41.92	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-54.42	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-53.67	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-43.78	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-39.55	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-43.37	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-53.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-47.12	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-44.50	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-37.57	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-40.39	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-52.33	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-53.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-45.06	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-40.21	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-42.28	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-53.23	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-55.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-44.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-40.21	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-43.26	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-52.59	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-50.89	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-43.83	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-39.39	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-42.27	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-52.76	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-50.97	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-46.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-42.42	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-39.71	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-52.04	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-50.31	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-46.33	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-41.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-43.58	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-51.80	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-50.21	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.62	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-40.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-42.09	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-52.32	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-52.14	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-46.52	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-42.71	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-41.14	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-54.80	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-52.82	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.49	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-42.60	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-45.39	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-54.57	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-52.28	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.85	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-41.73	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-42.68	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-51.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-52.76	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-46.59	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-41.21	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-42.56	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-54.63	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-53.62	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-47.06	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-42.48	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-41.63	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-53.51	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-52.24	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.68	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-41.10	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-40.15	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-53.18	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-54.11	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.62	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-42.76	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-41.84	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-53.89	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-54.64	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-46.81	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-42.97	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-39.96	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-53.29	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-53.71	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-46.87	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-43.40	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-38.18	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-52.69	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-56.50	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-46.91	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-42.59	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-40.27	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-53.77	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-61.91	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-45.96	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-41.18	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-41.56	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-52.12	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-56.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.70	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-41.94	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-41.52	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-53.77	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-57.70	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.13	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-39.85	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-51.65	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-61.93	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-46.55	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-42.99	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-41.91	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-54.92	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-57.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-46.76	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.41	PASS

Test Graphs

