

FCC LTE Band Test Data

FCC ID : 2BM9D-S25ULTRA

Company: : Shenzhen Jiaqi Technology Co., Ltd.

EUT : SMART PHONE

Model Number : S25 Ultra

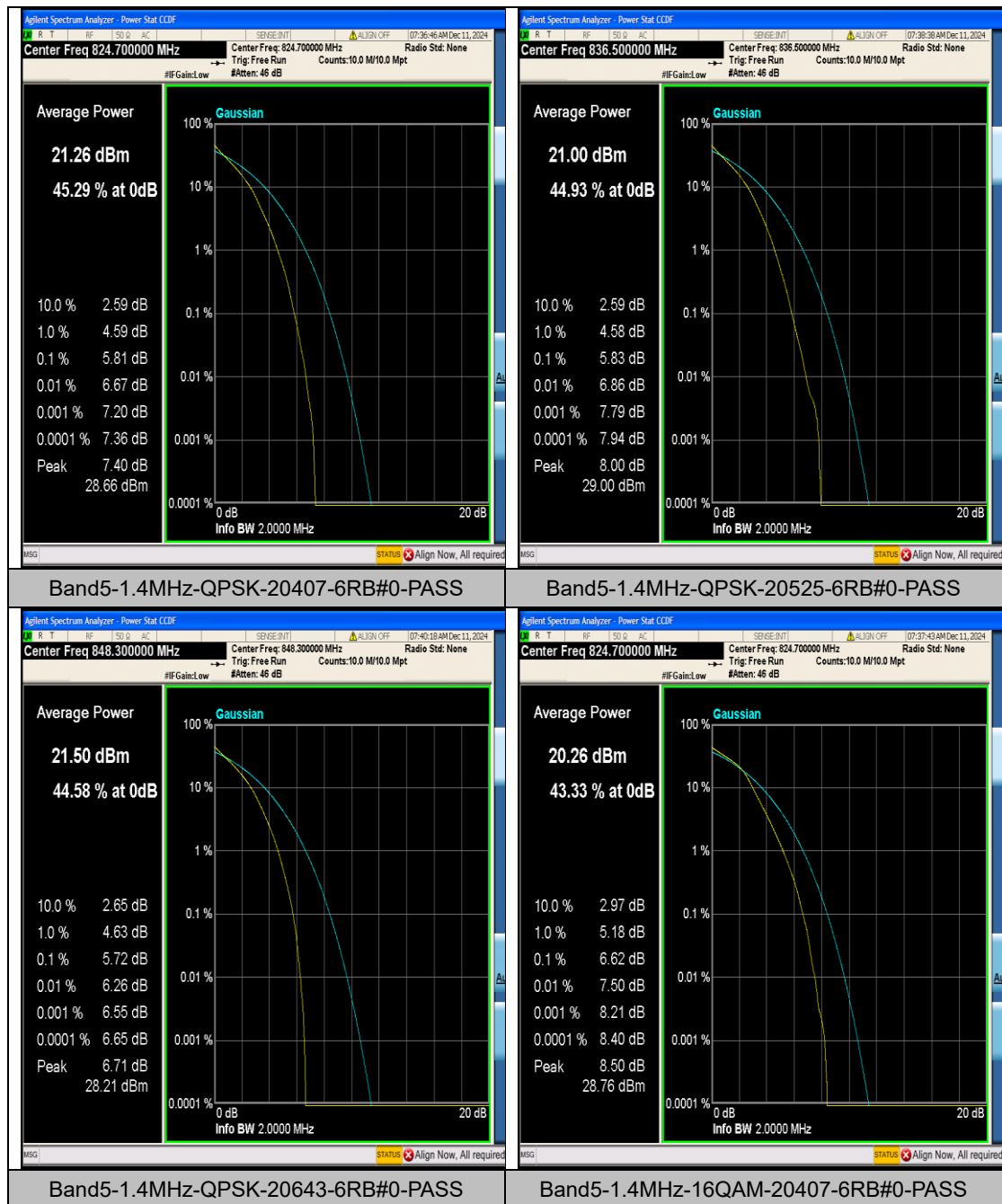
Reviewed By : Eric Wang

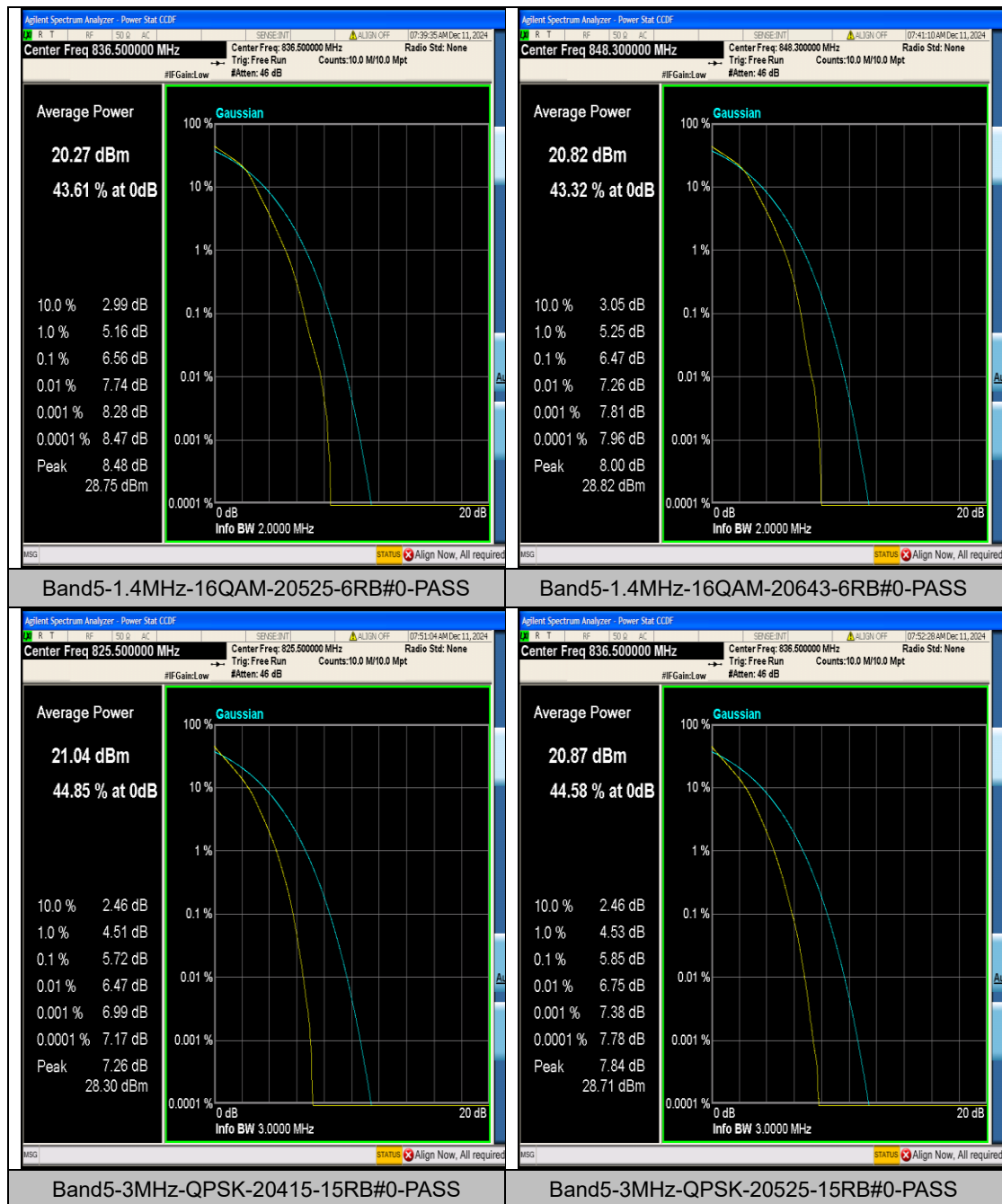
Appendix B: Peak-to-Average Ratio(CCDF)

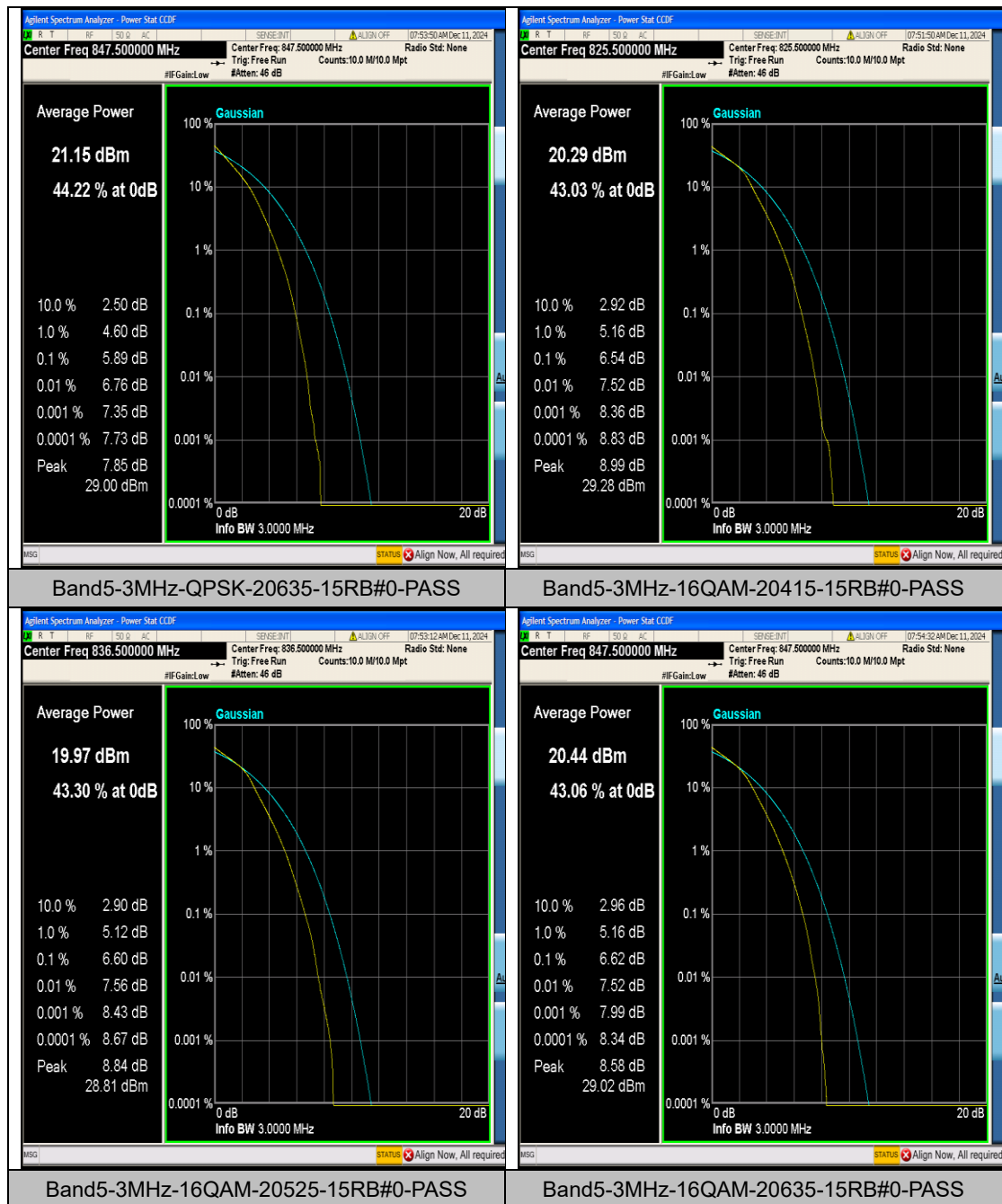
Test Result

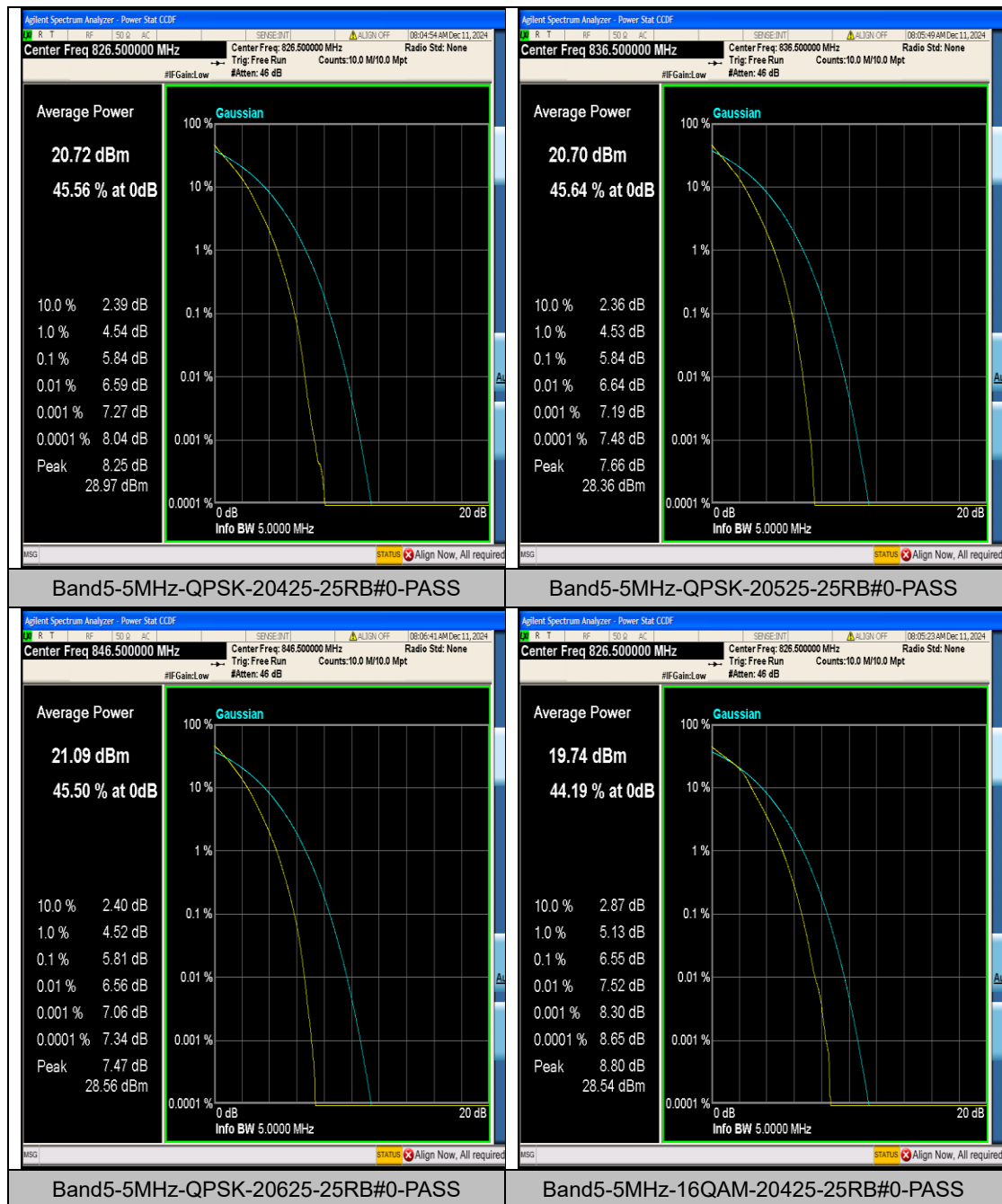
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.81	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.83	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.72	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.62	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.56	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.47	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.72	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.85	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.89	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.54	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.60	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.62	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.84	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.84	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.55	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.51	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.52	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.82	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.88	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.79	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.51	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.58	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.60	13	PASS

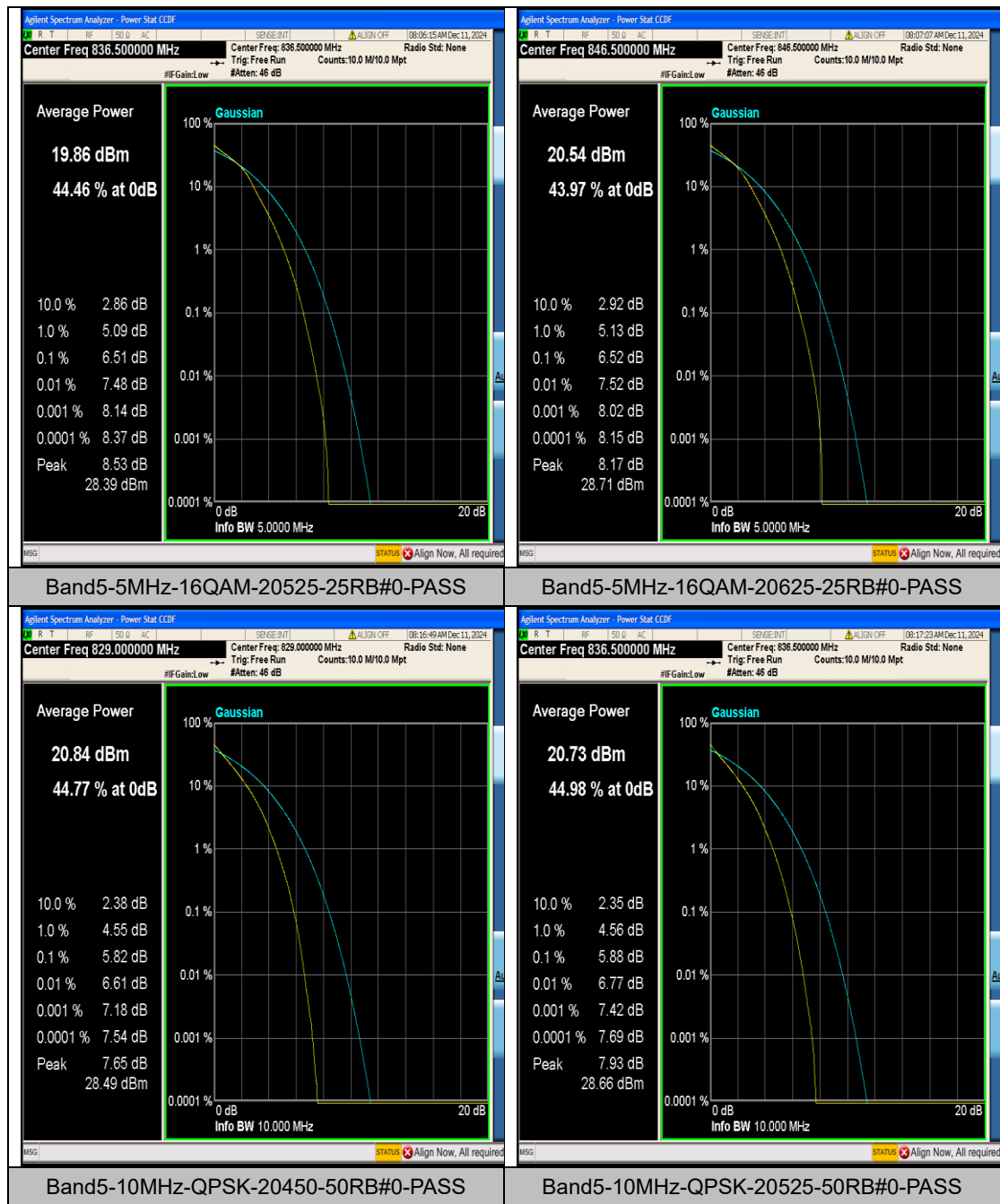
Test Graphs

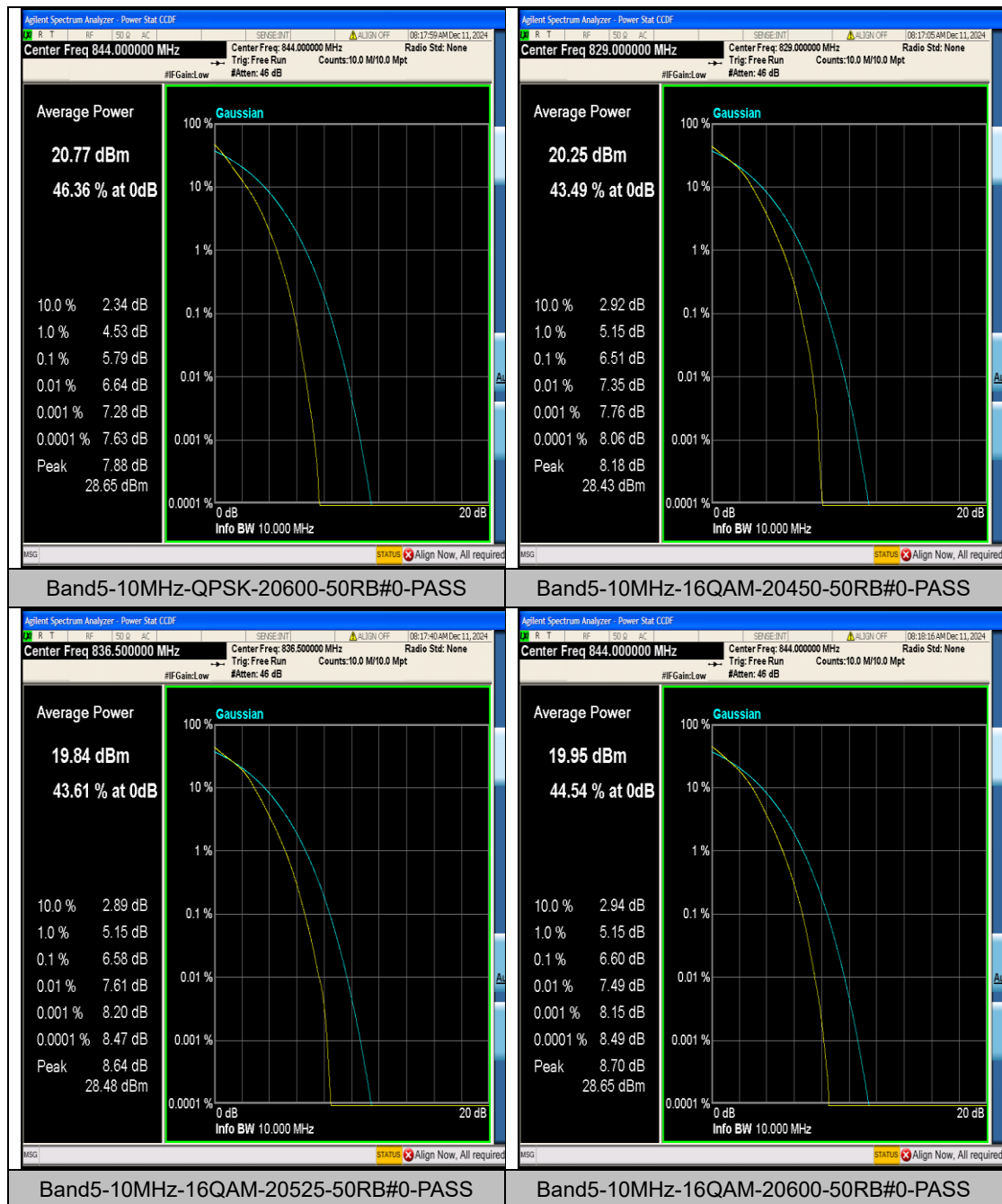










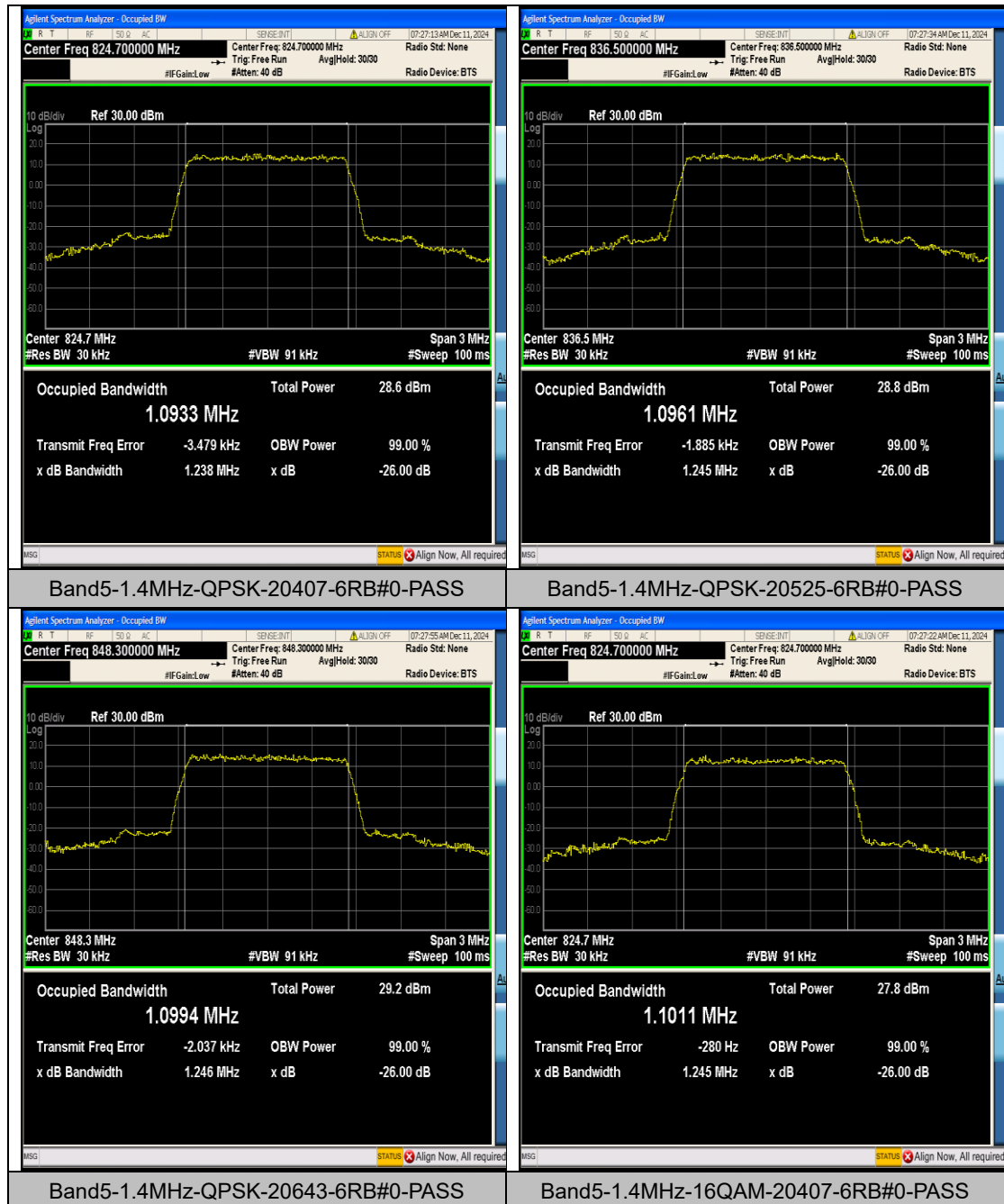


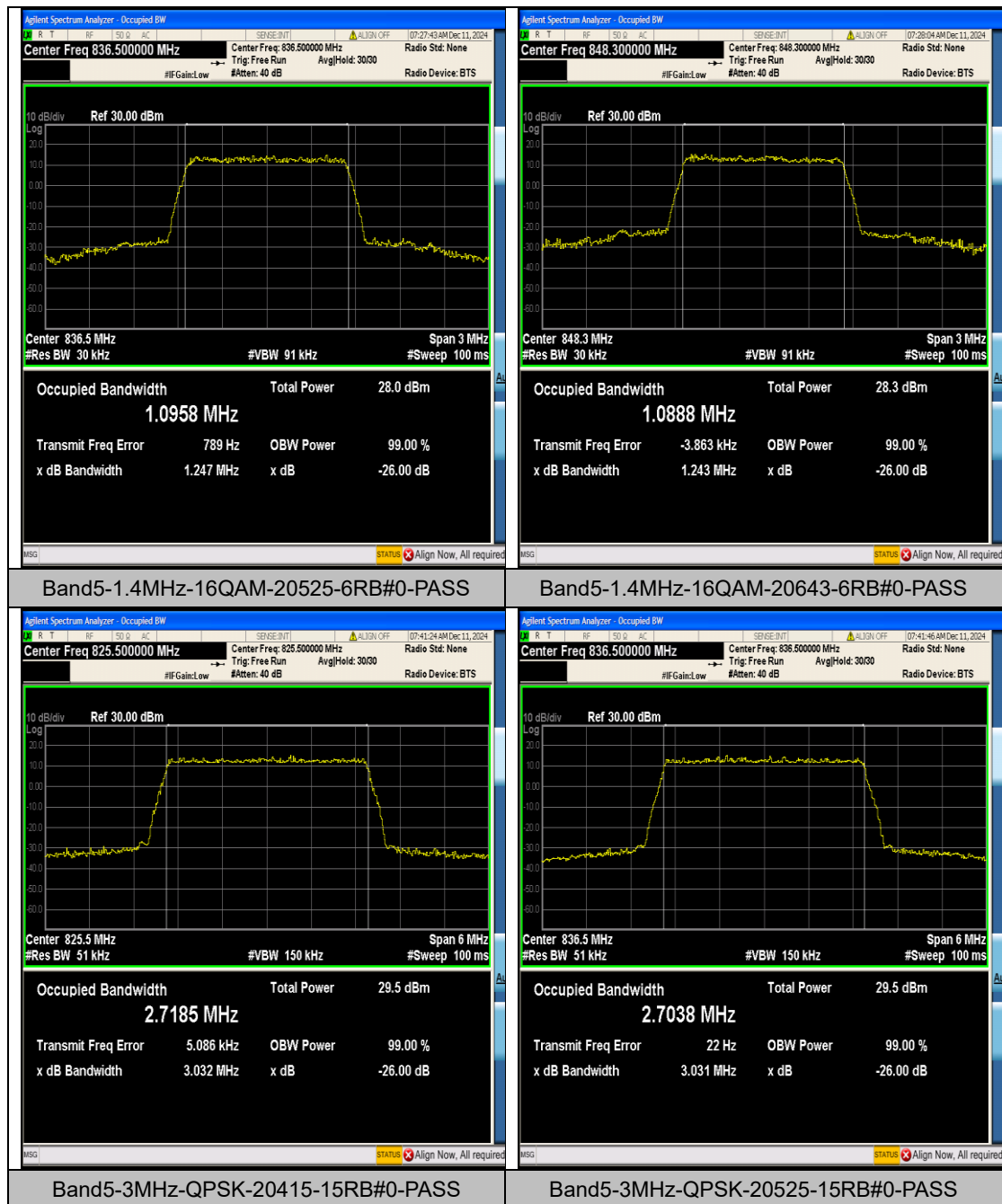
Appendix C: 26dB Bandwidth and Occupied Bandwidth

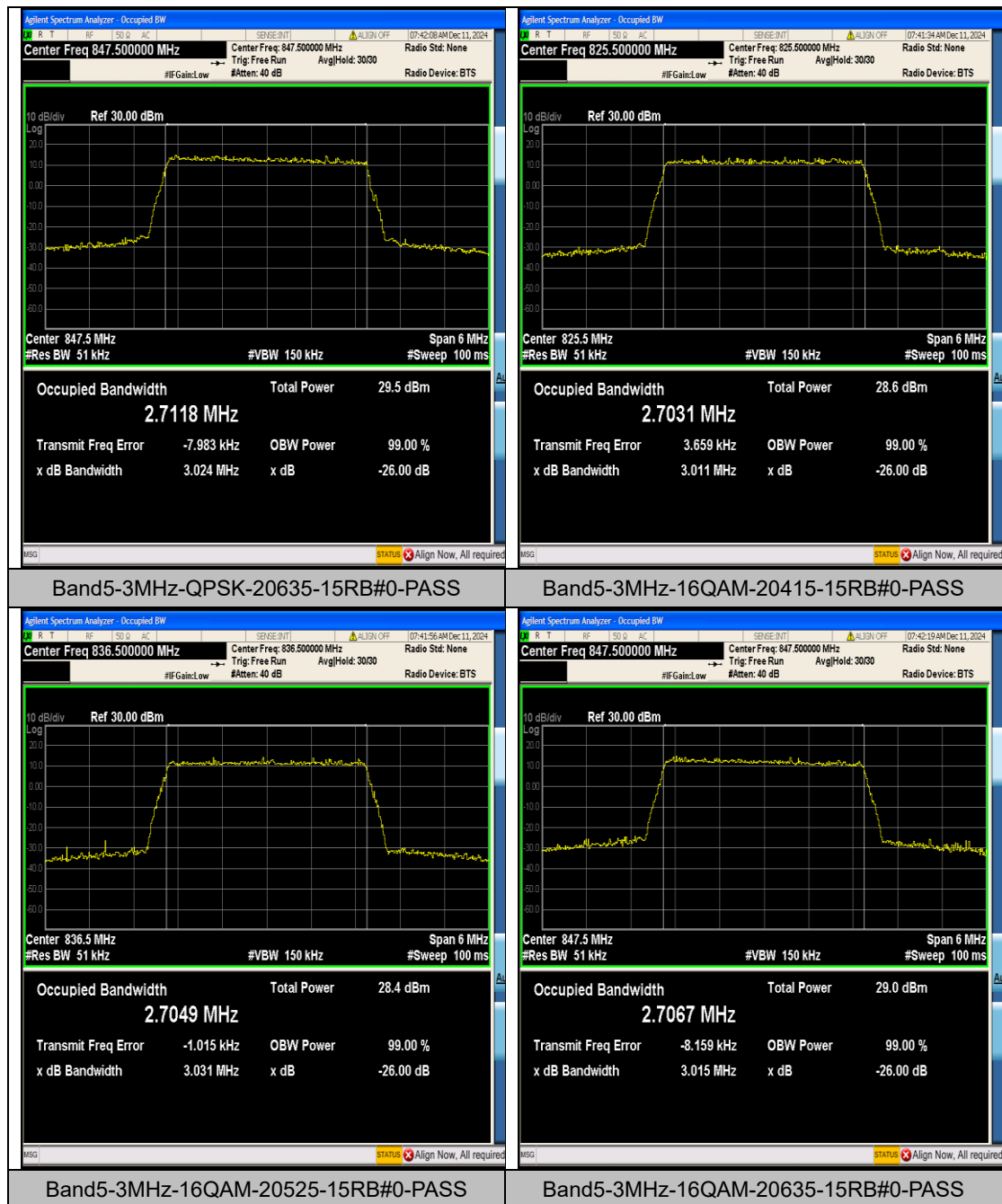
Test Result

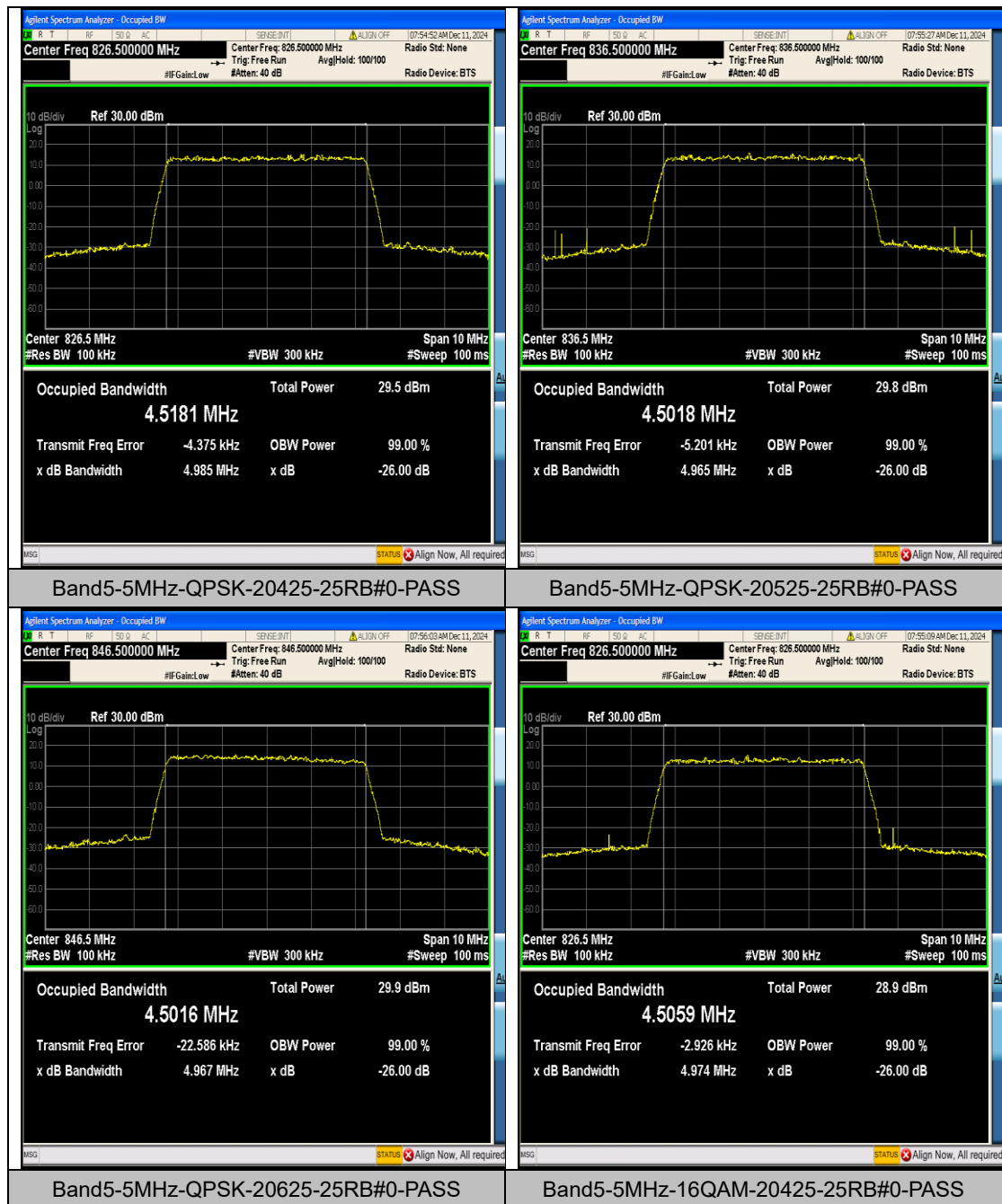
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0933	1.238	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0961	1.245	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0994	1.246	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1011	1.245	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0958	1.247	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0888	1.243	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7185	3.032	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7038	3.031	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7118	3.024	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7031	3.011	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7049	3.031	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7067	3.015	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5181	4.985	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5018	4.965	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5016	4.967	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5059	4.974	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5102	4.976	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5188	4.976	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9984	9.873	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9855	9.894	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9413	9.832	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9835	9.891	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9792	9.925	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9763	9.910	PASS

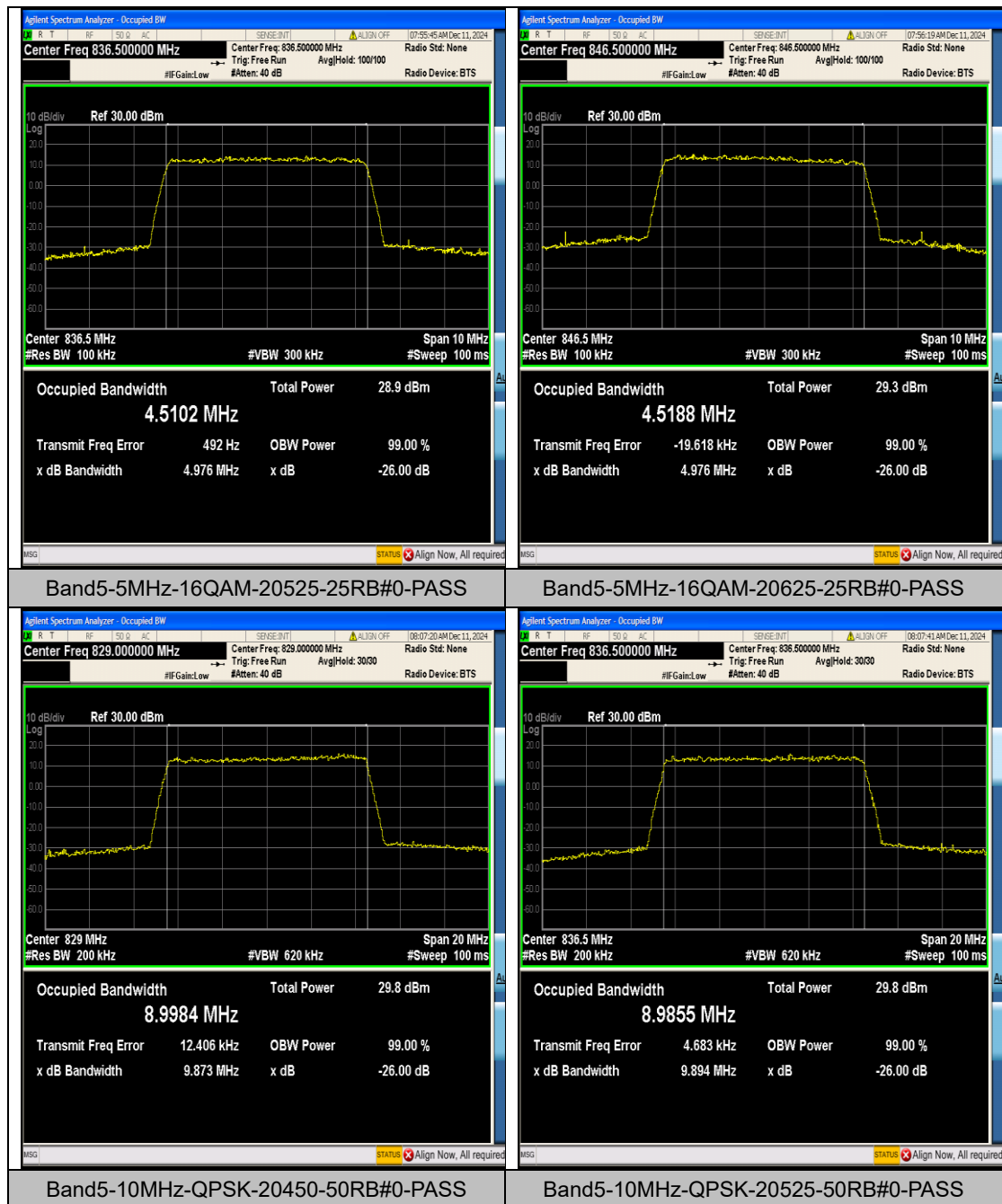
Test Graphs

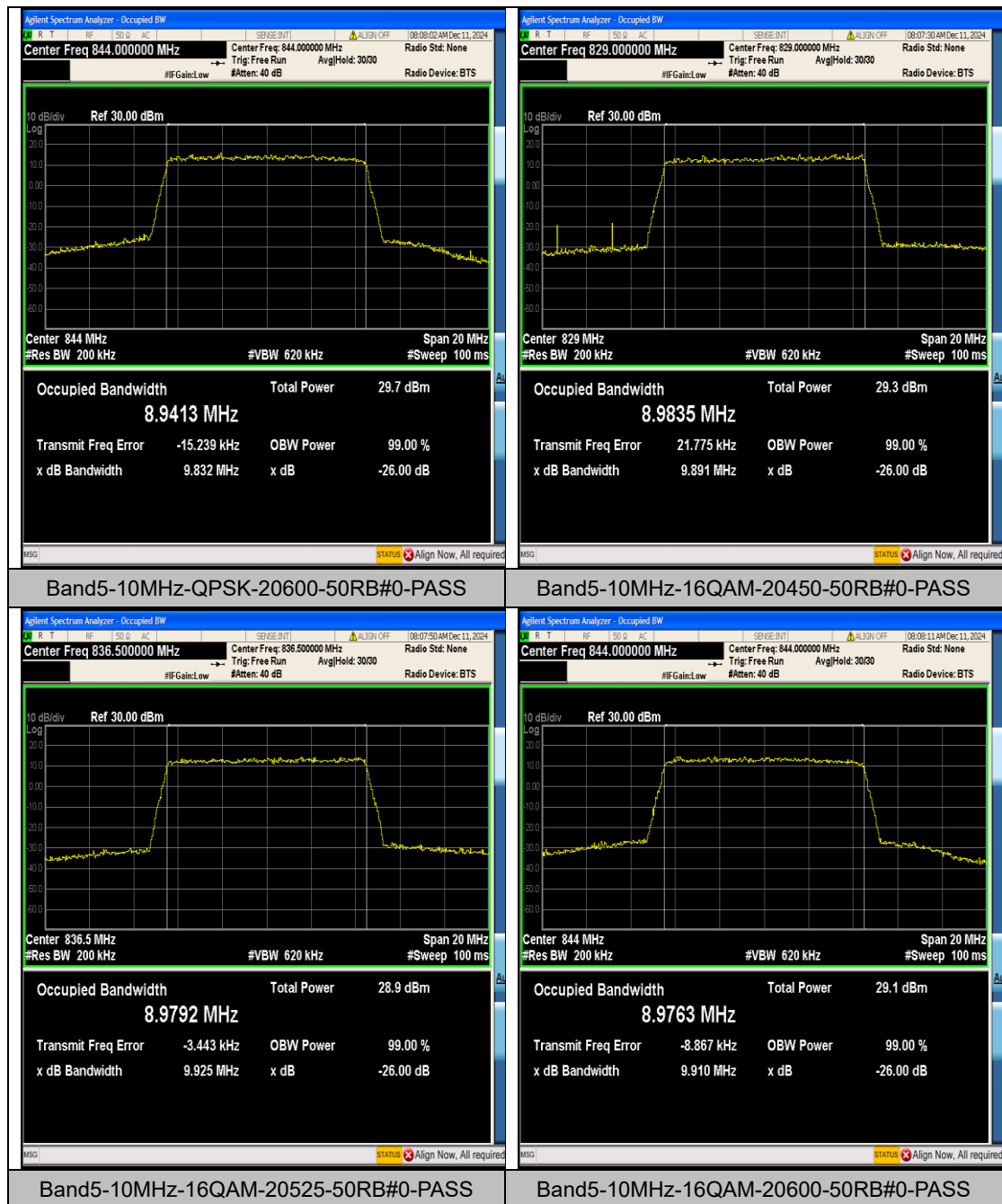










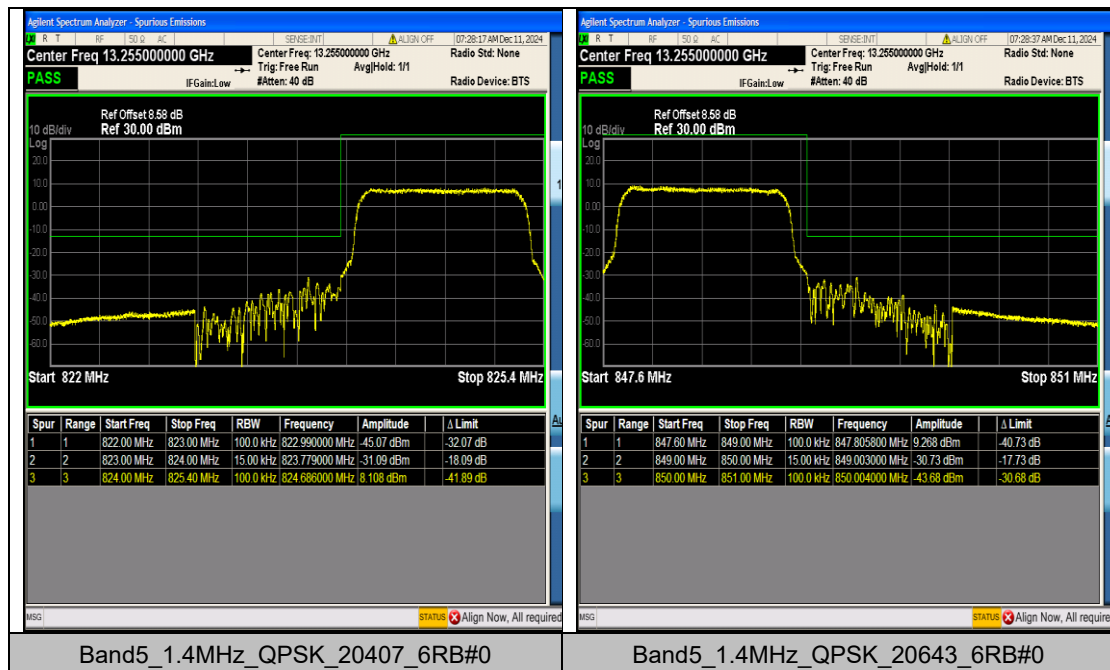


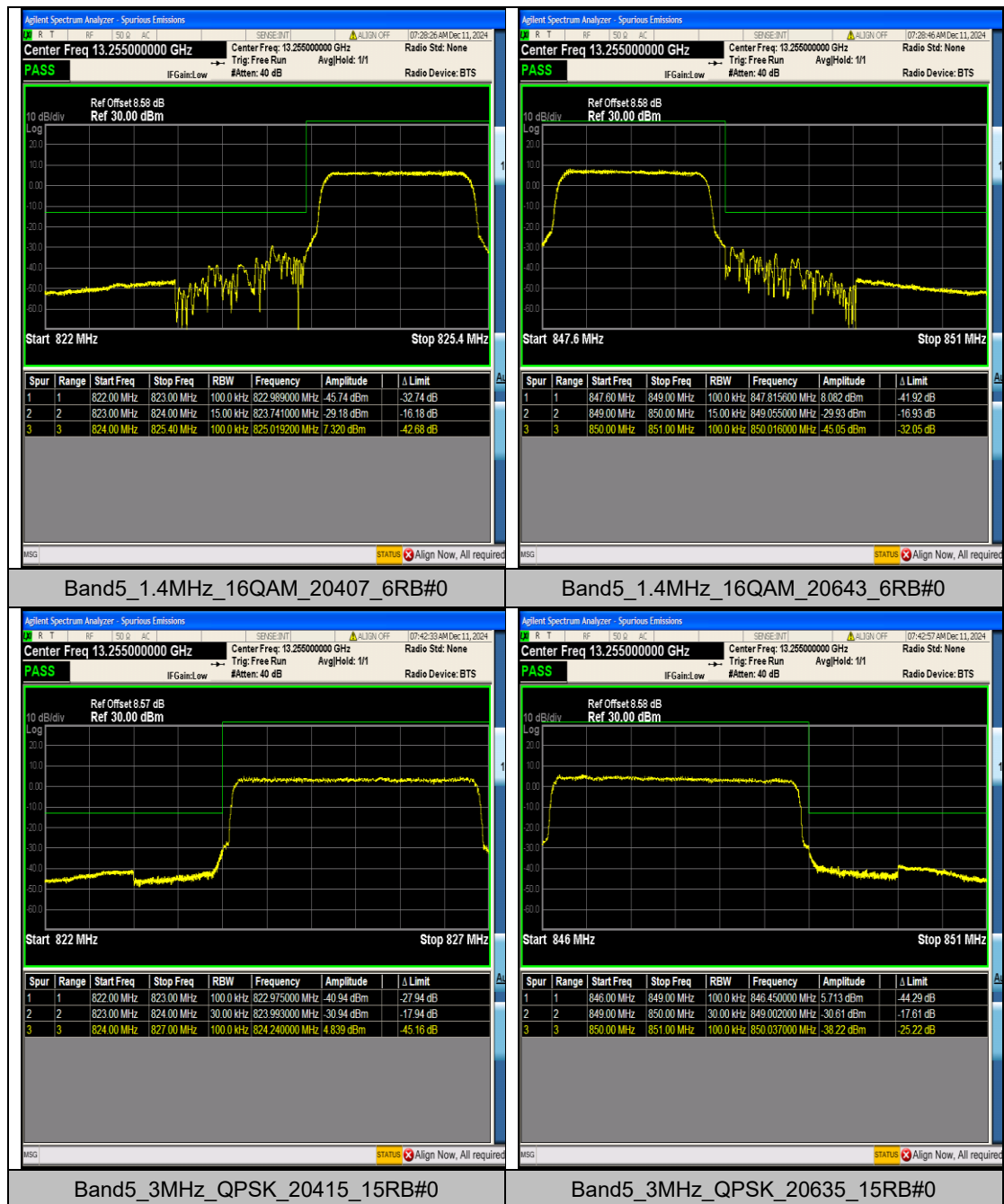
Appendix D: Band Edge

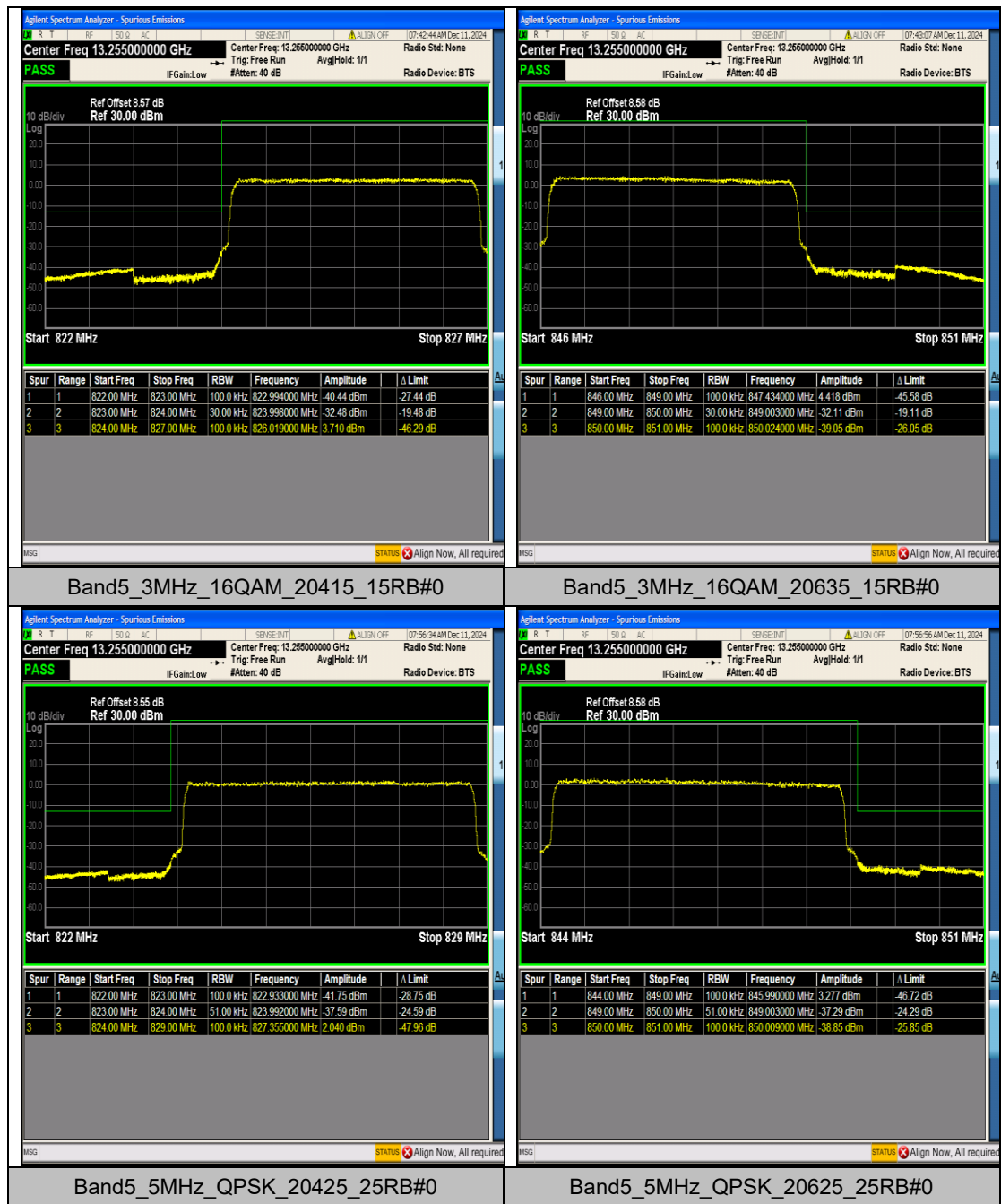
Test Result

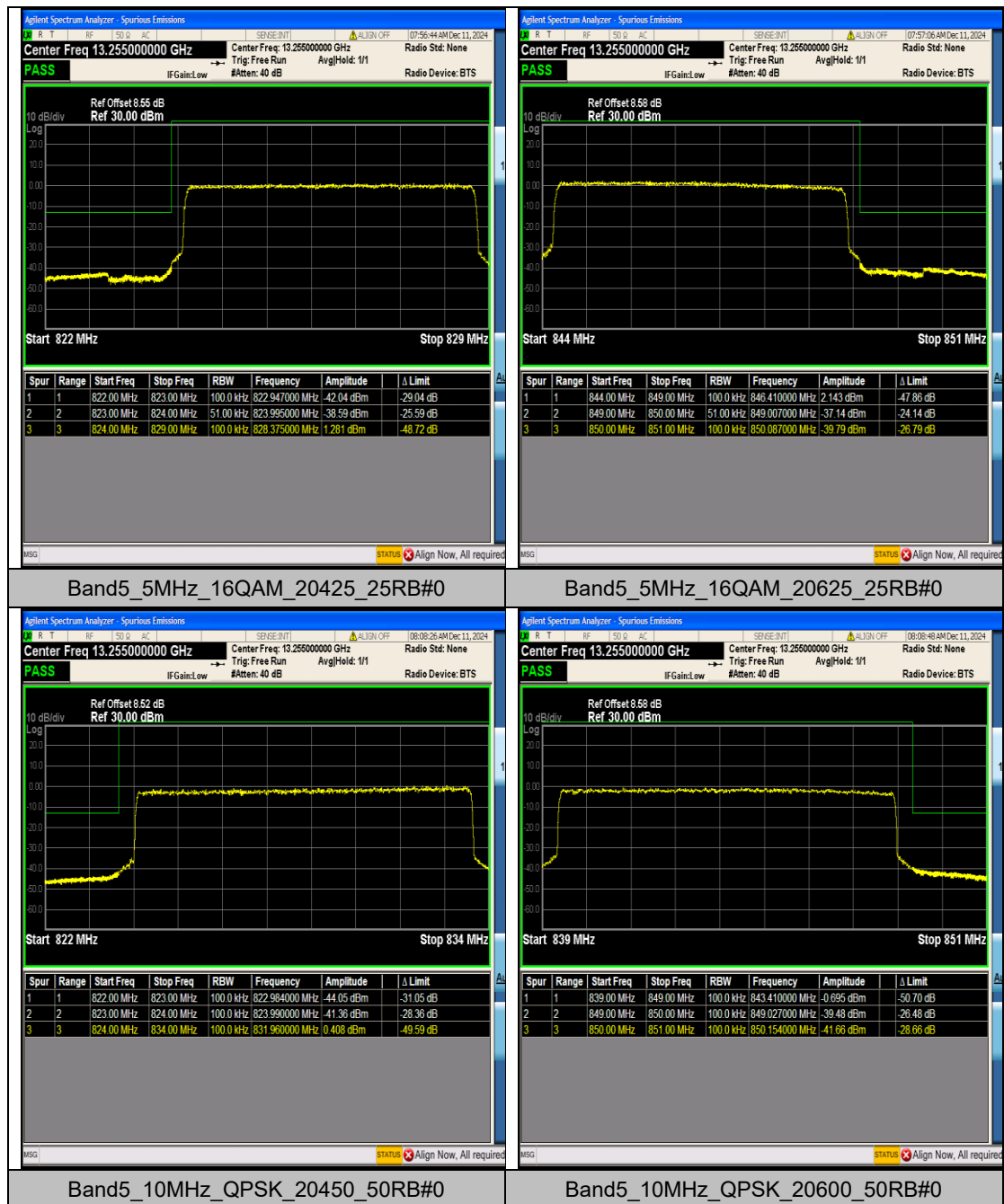
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-31.09	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-30.73	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-29.18	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.93	PASS
Band5	3MHz	QPSK	20415	15RB#0	-30.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	-30.61	PASS
Band5	3MHz	16QAM	20415	15RB#0	-32.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	-32.11	PASS
Band5	5MHz	QPSK	20425	25RB#0	-37.59	PASS
Band5	5MHz	QPSK	20625	25RB#0	-37.29	PASS
Band5	5MHz	16QAM	20425	25RB#0	-38.59	PASS
Band5	5MHz	16QAM	20625	25RB#0	-37.14	PASS
Band5	10MHz	QPSK	20450	50RB#0	-41.36	PASS
Band5	10MHz	QPSK	20600	50RB#0	-39.48	PASS
Band5	10MHz	16QAM	20450	50RB#0	-42.32	PASS
Band5	10MHz	16QAM	20600	50RB#0	-39.56	PASS

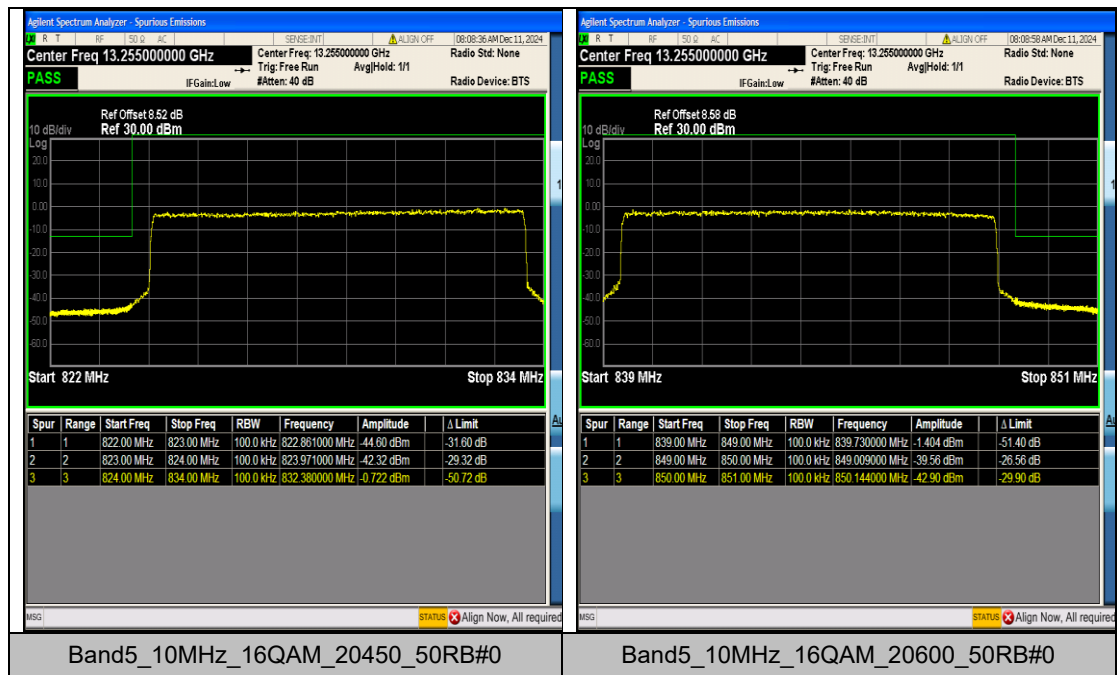
Test Graphs











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	-42.47	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-54.15	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-54.80	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-24.53	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-40.93	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-39.15	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-53.77	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-59.20	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-24.06	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-40.20	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-41.81	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-54.18	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-48.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-28.70	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-43.52	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-42.24	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-52.96	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-57.61	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-24.99	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-40.42	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-41.66	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-52.04	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-57.64	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-30.04	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.50	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-43.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-54.95	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-51.53	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-29.74	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-42.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-38.87	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-54.33	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-52.63	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-34.98	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.11	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-40.26	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-54.35	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-55.67	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-35.32	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-43.34	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-38.33	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-53.46	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-53.08	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-35.32	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.01	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-42.53	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-53.24	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-55.69	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-35.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-43.63	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-41.68	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-53.20	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-55.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-35.93	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-43.37	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-43.05	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-53.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-53.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-34.93	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-43.29	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-43.58	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-54.50	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-56.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-35.97	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-43.05	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-39.88	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-51.54	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-58.25	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-35.73	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-43.46	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-44.26	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-54.16	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-55.01	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-34.59	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.65	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-42.74	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-52.06	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-57.27	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-36.23	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-43.78	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-40.71	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-51.74	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-59.41	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-35.59	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-43.46	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-43.09	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-52.65	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-55.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-34.84	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-43.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-43.21	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-51.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-61.70	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-36.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-43.43	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-40.55	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-53.04	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-59.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-36.77	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-43.33	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-44.01	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-52.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-57.93	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-36.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-43.41	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-39.53	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-52.17	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-61.69	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-36.32	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.57	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-40.87	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-52.34	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-59.94	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-36.49	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-43.61	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-42.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-52.38	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-59.55	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-36.73	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.68	PASS

Test Graphs

