

FCC LTE Band Test Data

FCC ID : 2A7YZ-CUL8JN

Company: : Shenzhen Alldocube Science and Technology Co., Ltd.

EUT : Pad

Model Number : CUL8JN

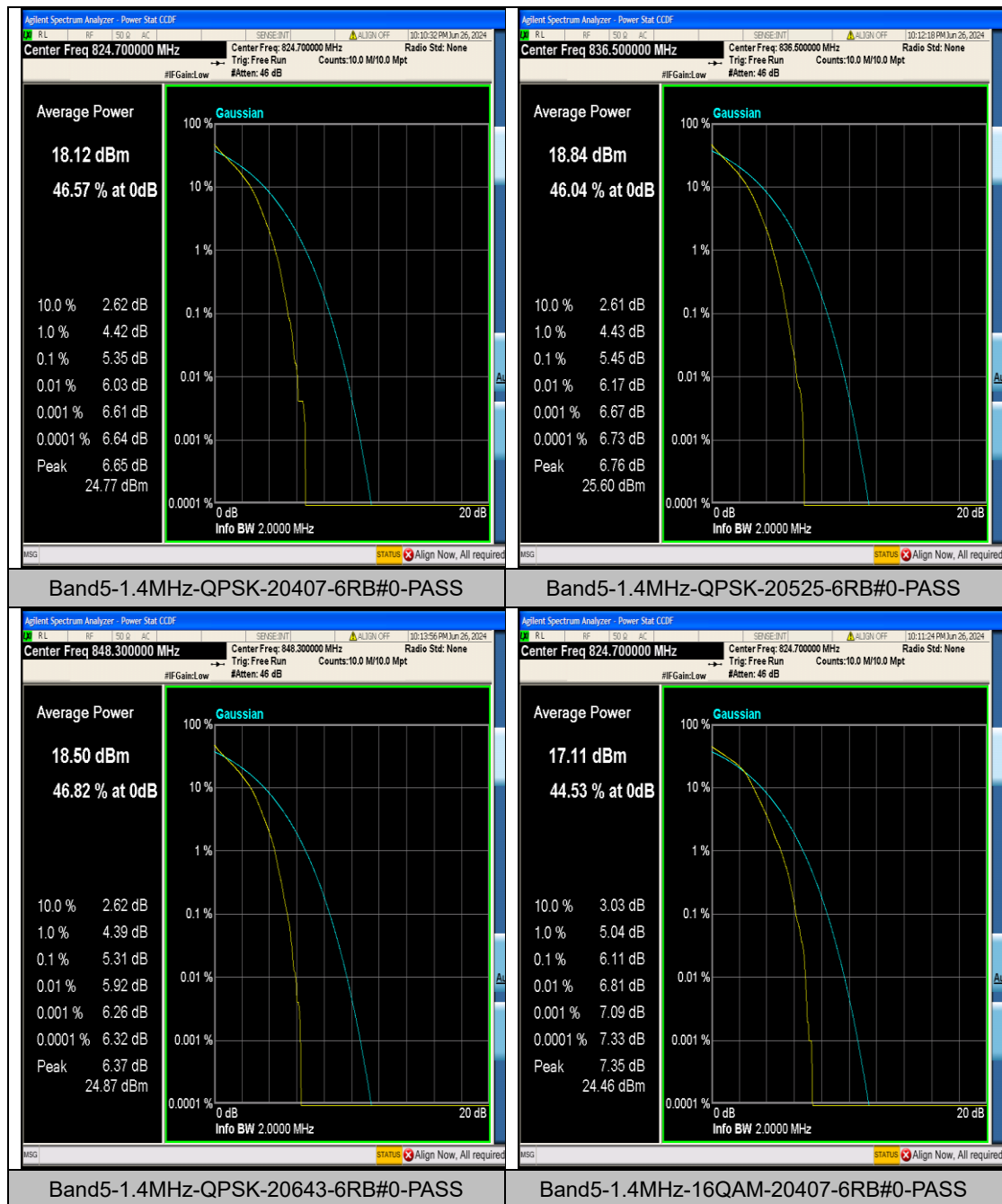
Reviewed By : Eric Wang

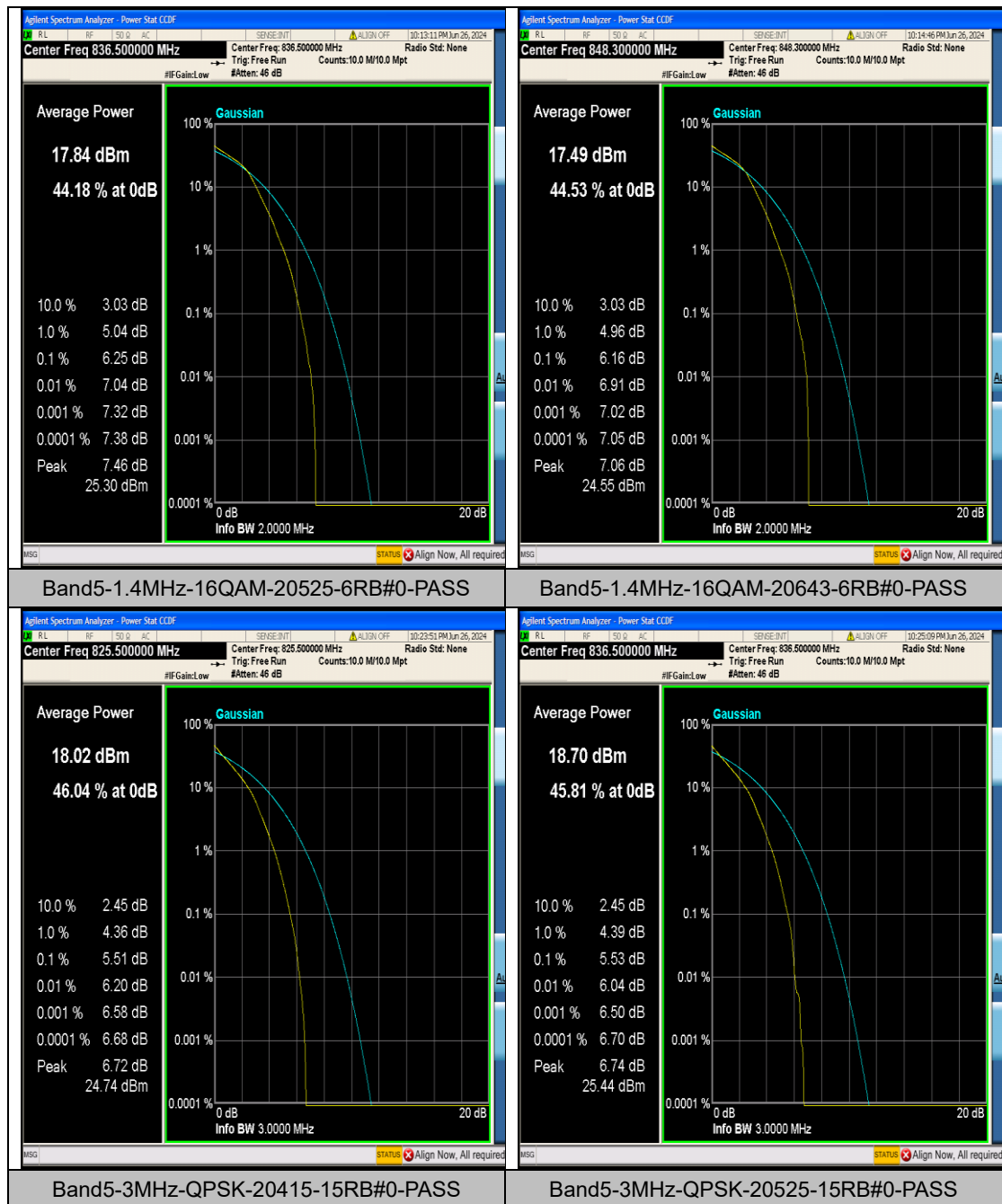
Appendix B: Peak-to-Average Ratio(CCDF)

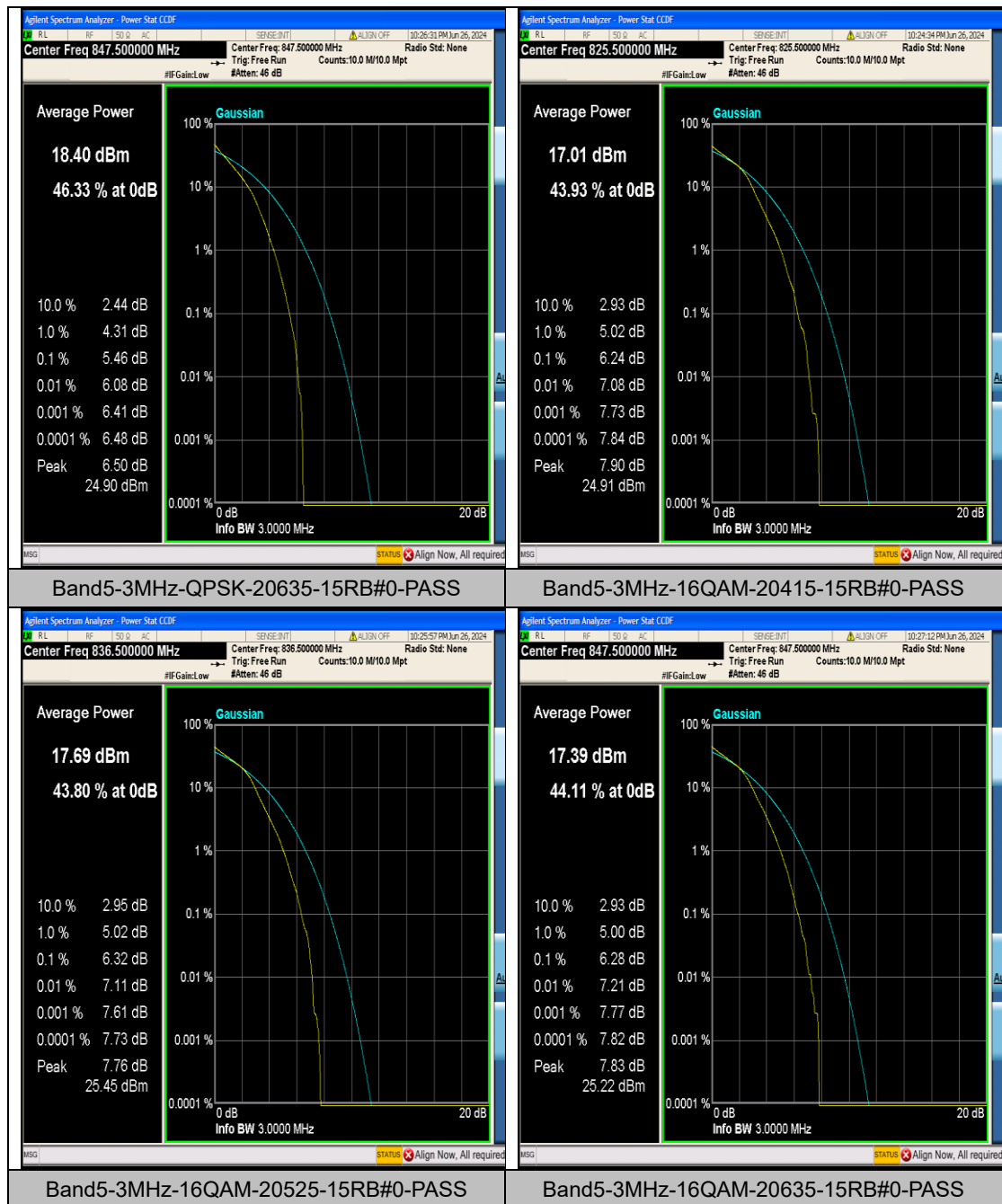
Test Result

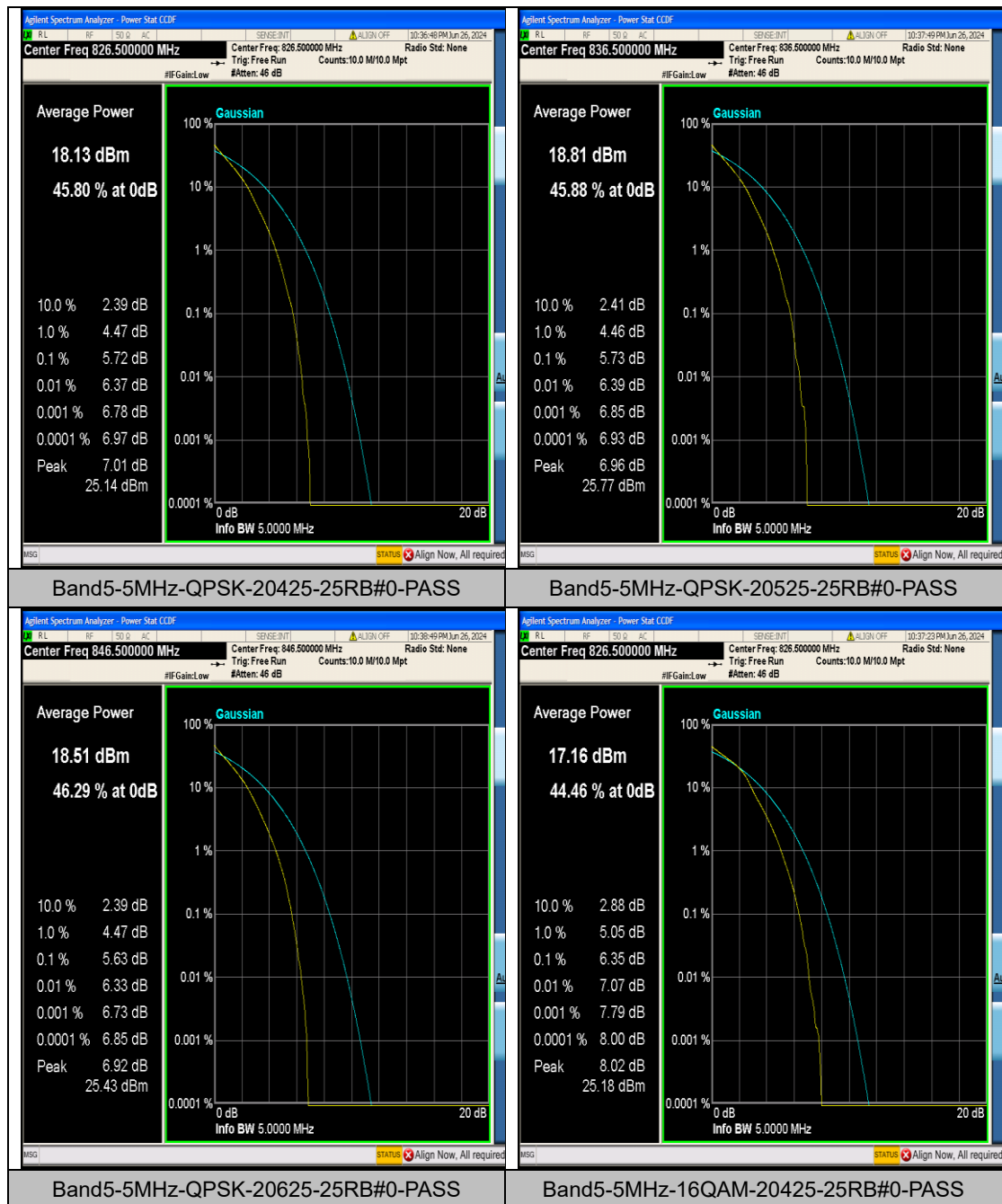
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.35	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.45	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.31	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.11	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.25	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.16	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.53	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.46	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.24	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.32	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.72	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.73	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.35	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.33	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.39	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.69	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.44	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.42	13	PASS

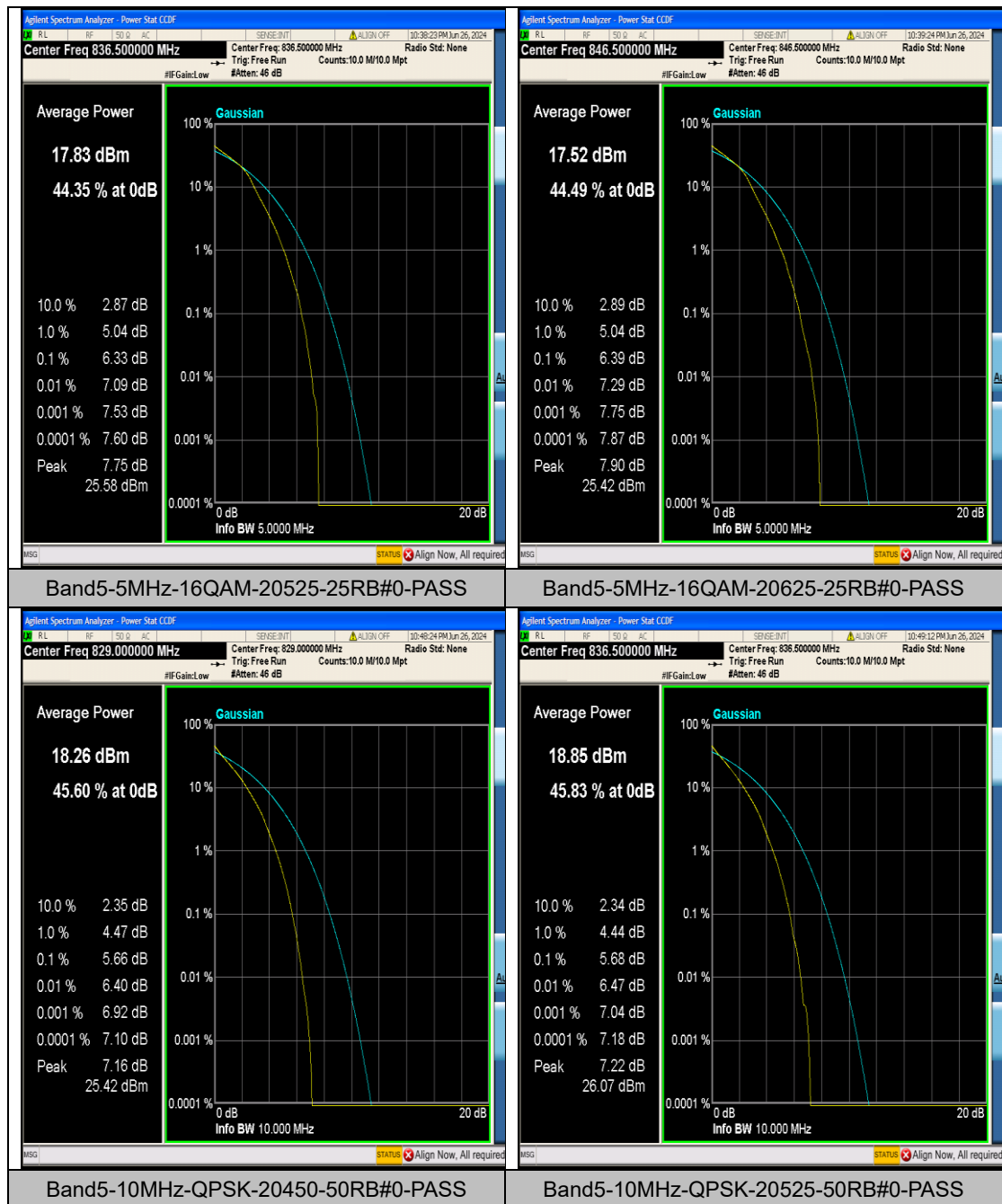
Test Graphs

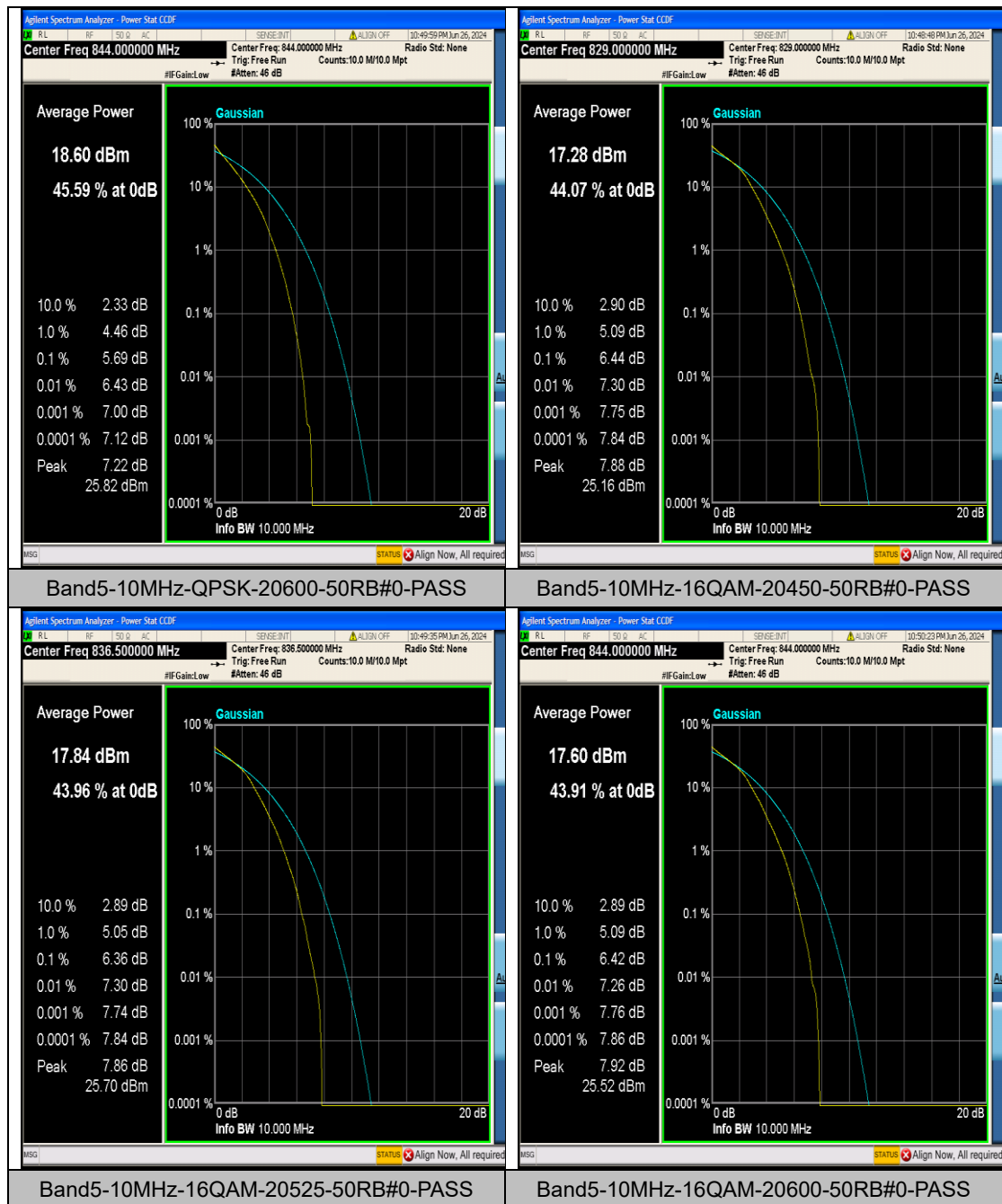










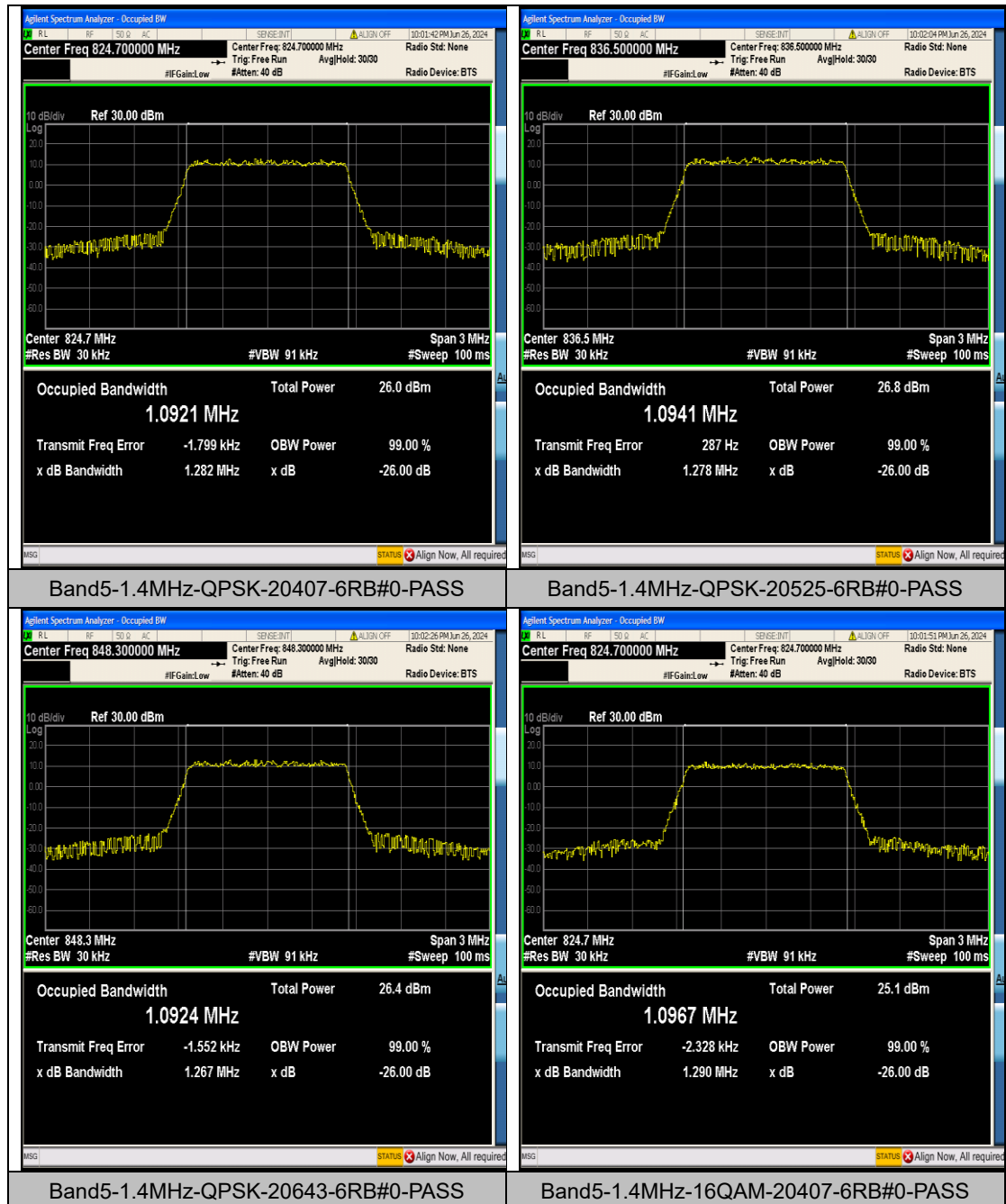


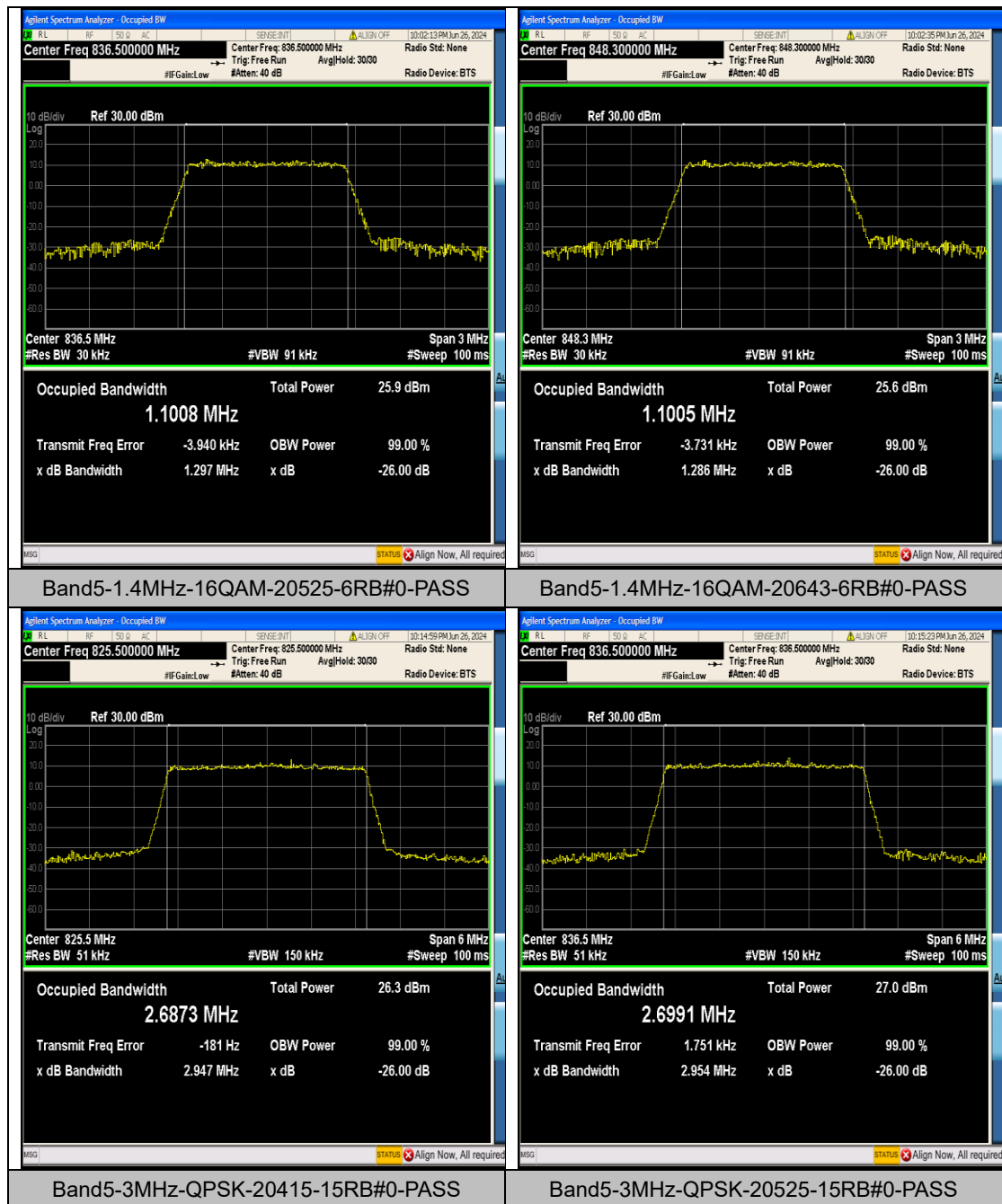
Appendix C: 26dB Bandwidth and Occupied Bandwidth

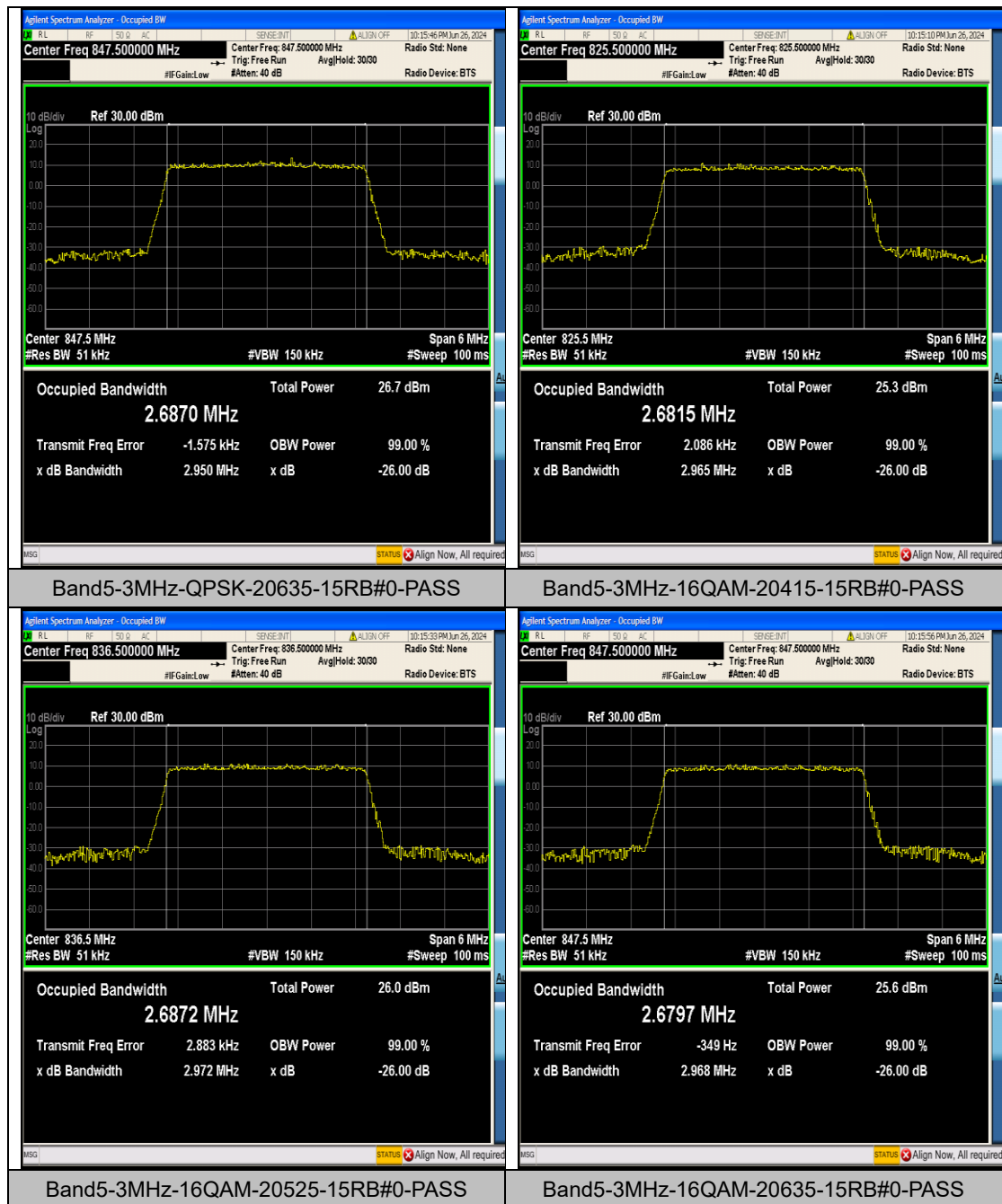
Test Result

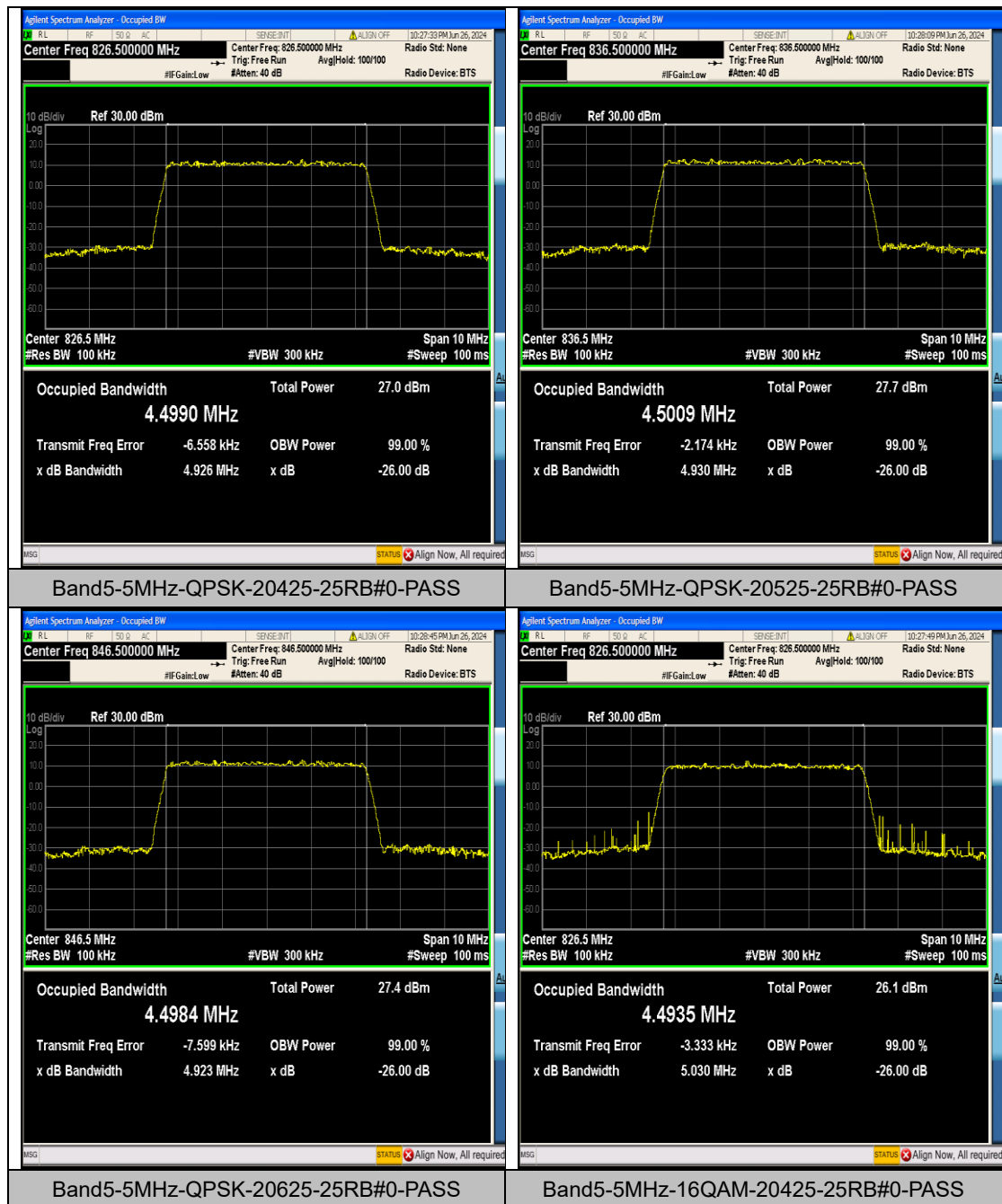
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0921	1.282	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0941	1.278	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0924	1.267	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0967	1.290	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1008	1.297	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1005	1.286	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6873	2.947	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6991	2.954	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6870	2.950	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6815	2.965	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6872	2.972	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6797	2.968	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4990	4.926	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5009	4.930	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4984	4.923	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4935	5.030	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4981	4.897	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4918	4.887	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9658	9.753	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9647	9.770	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9800	9.773	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9783	9.733	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9515	9.720	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9607	9.744	PASS

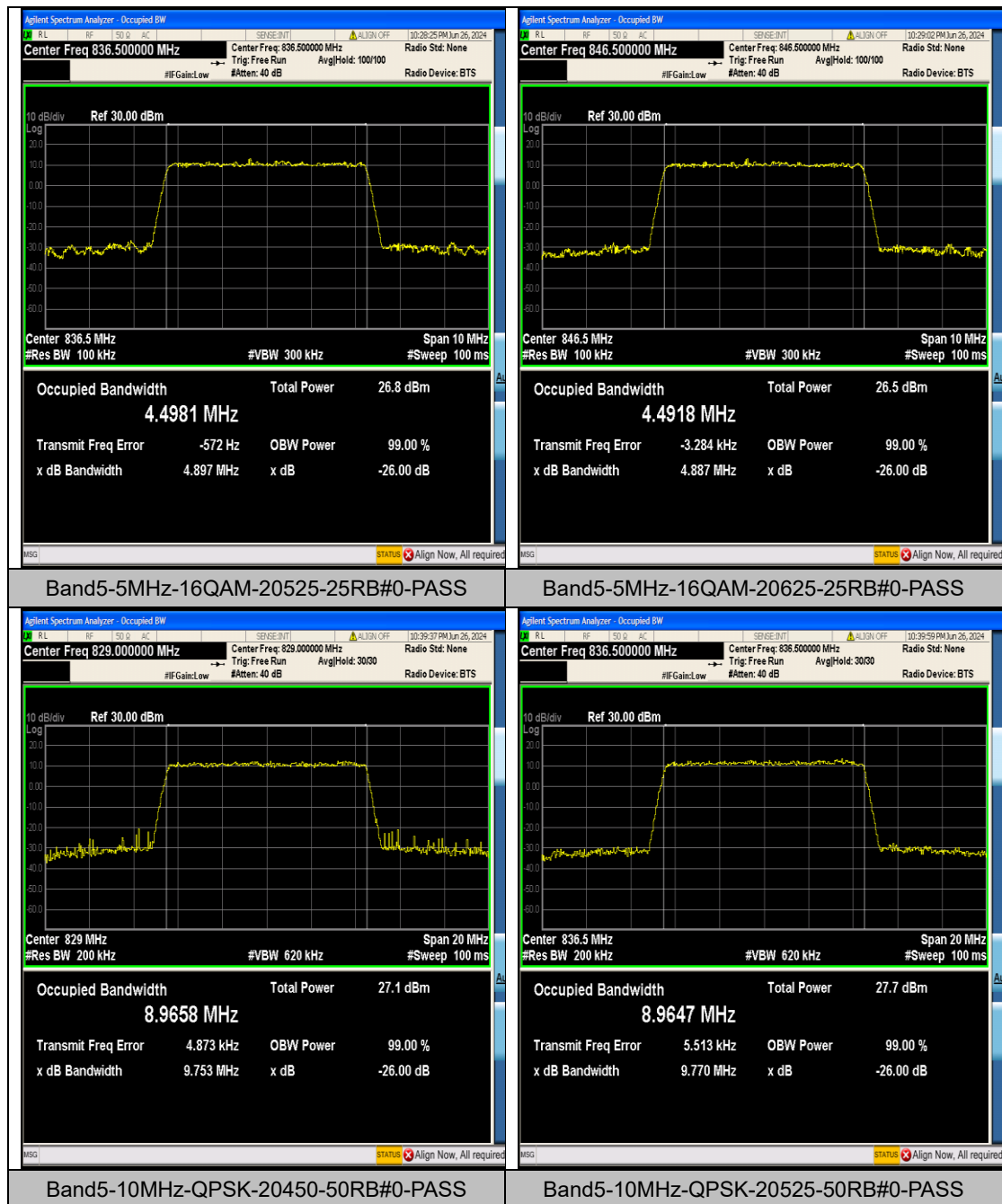
Test Graphs

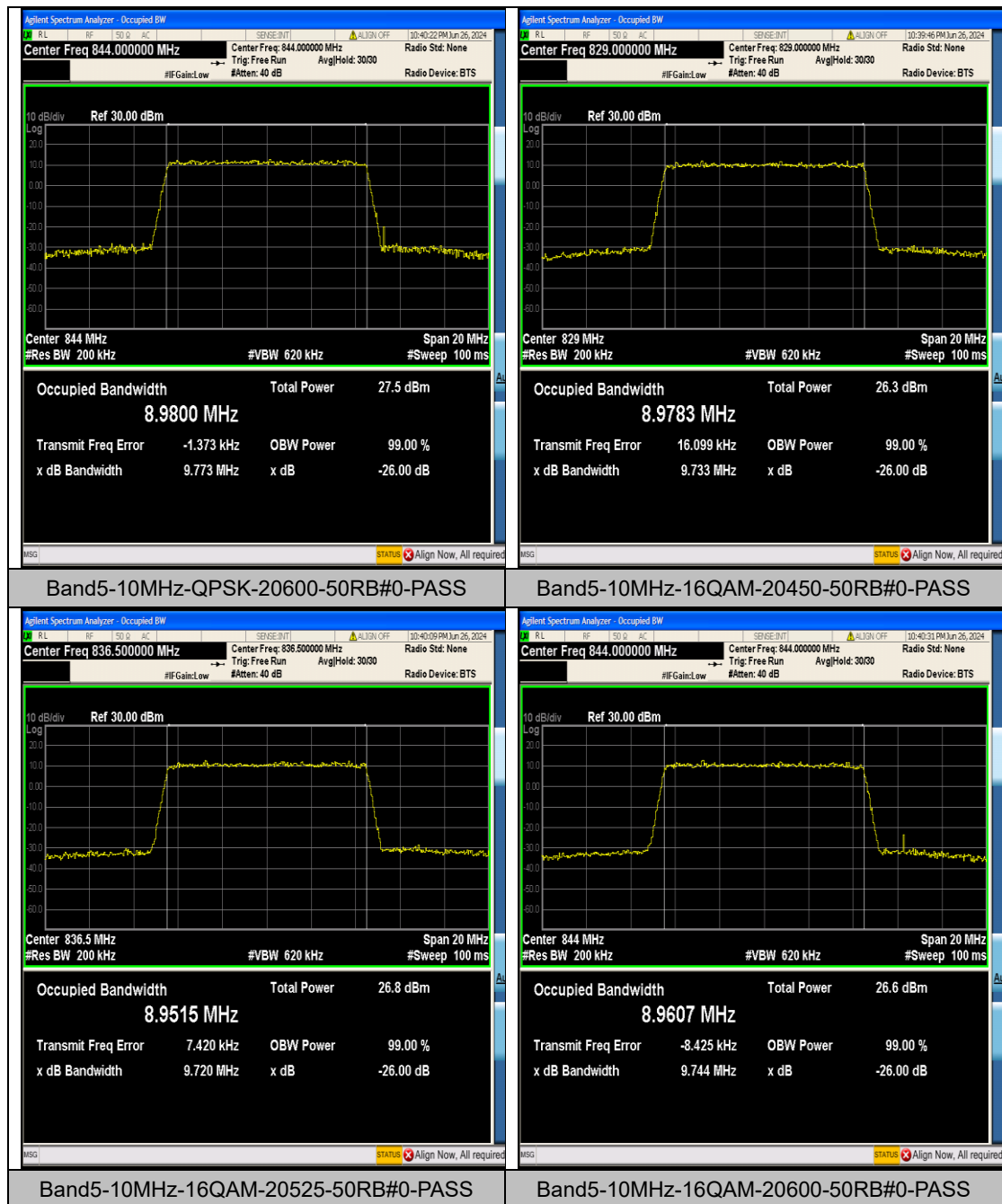










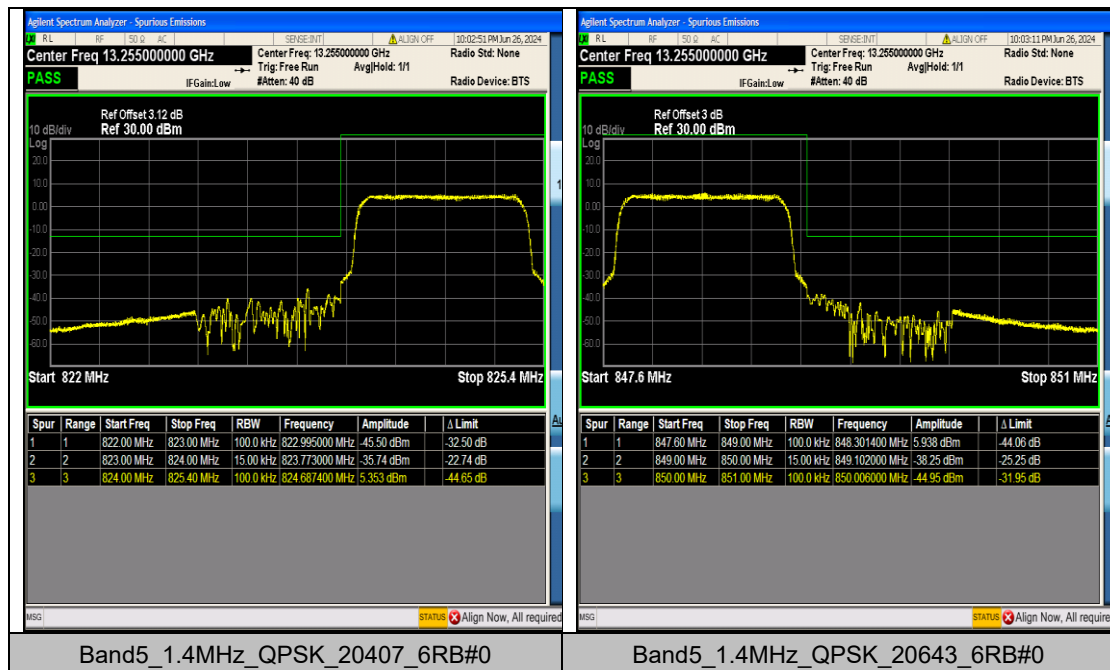


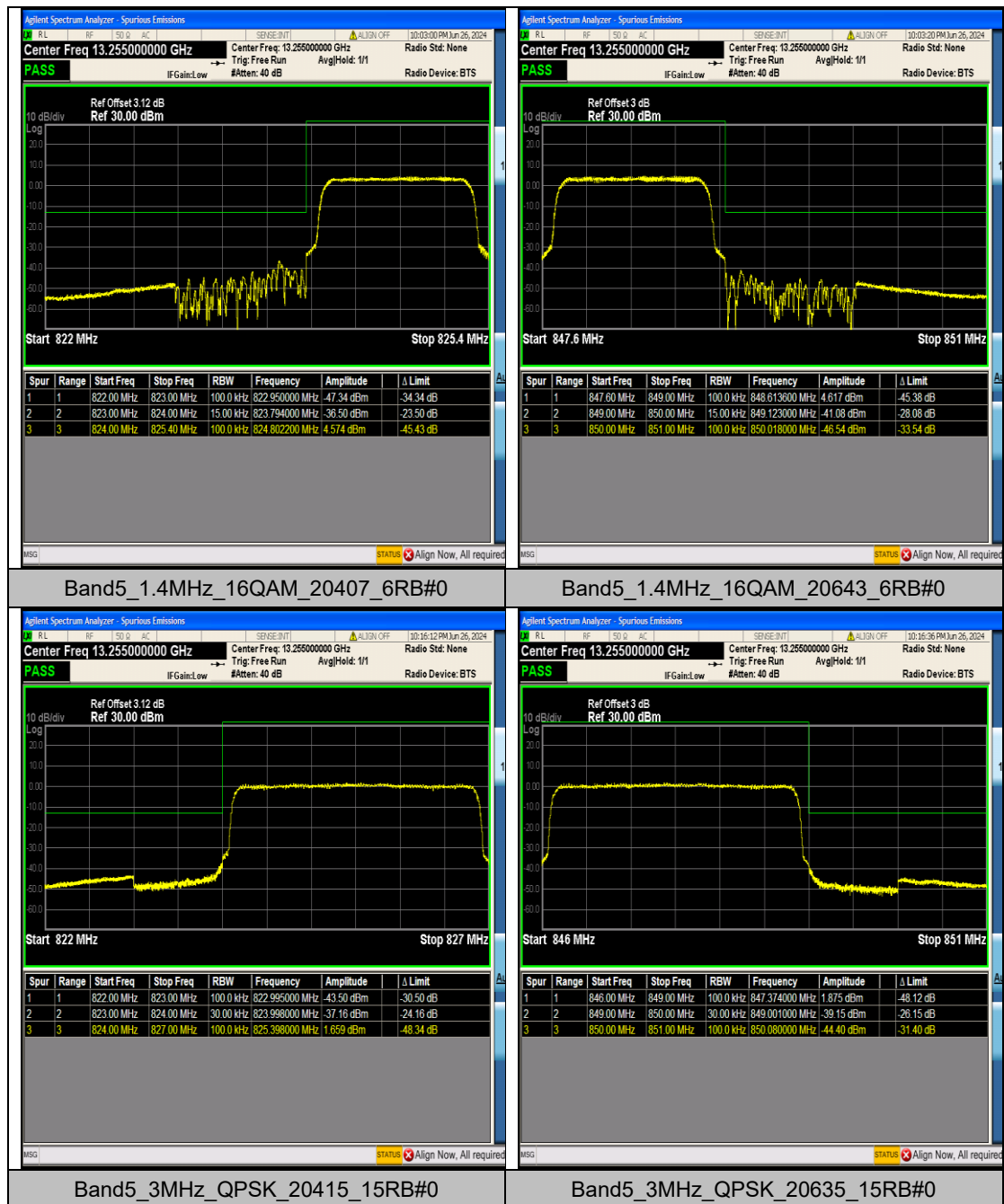
Appendix D: Band Edge

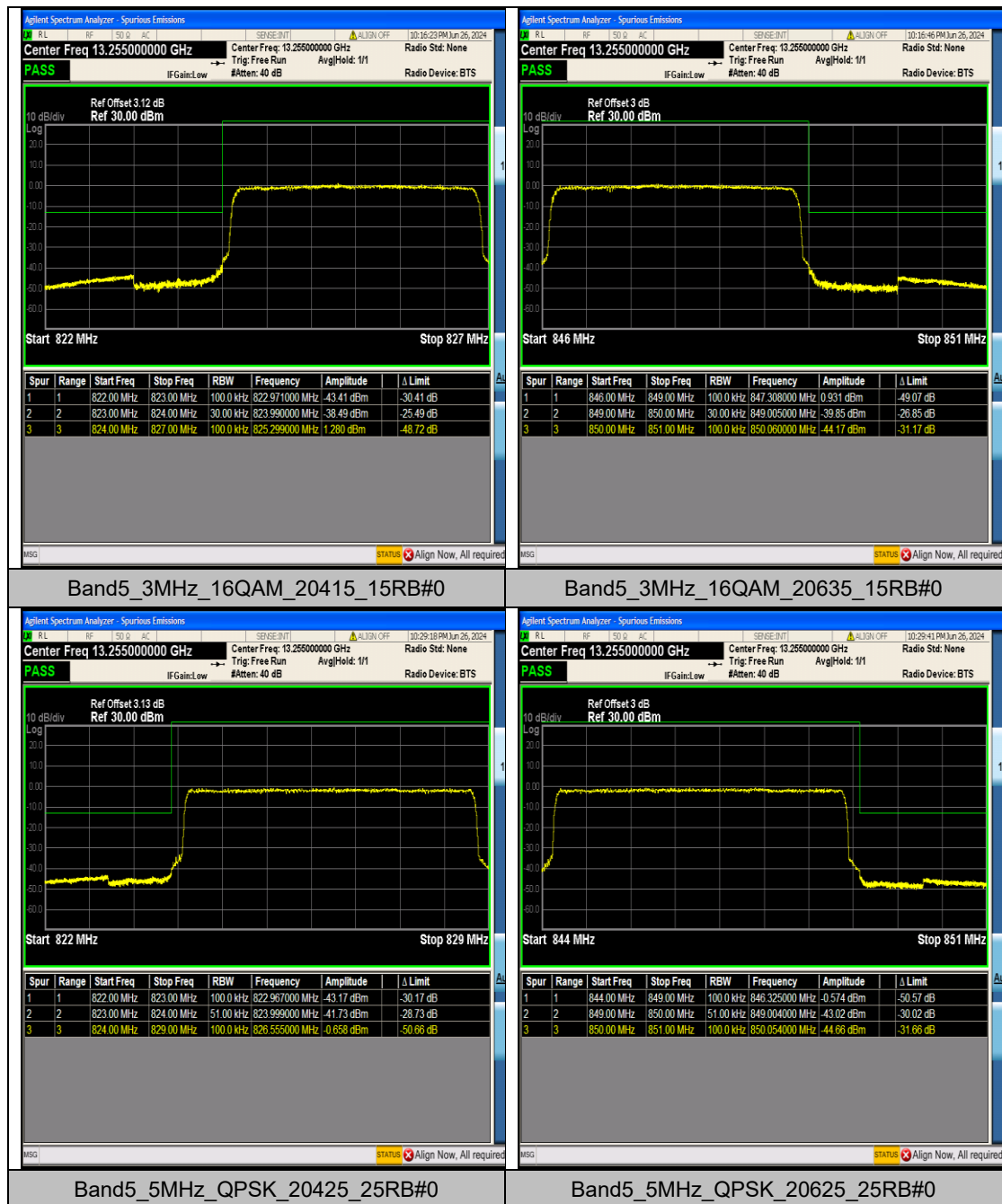
Test Result

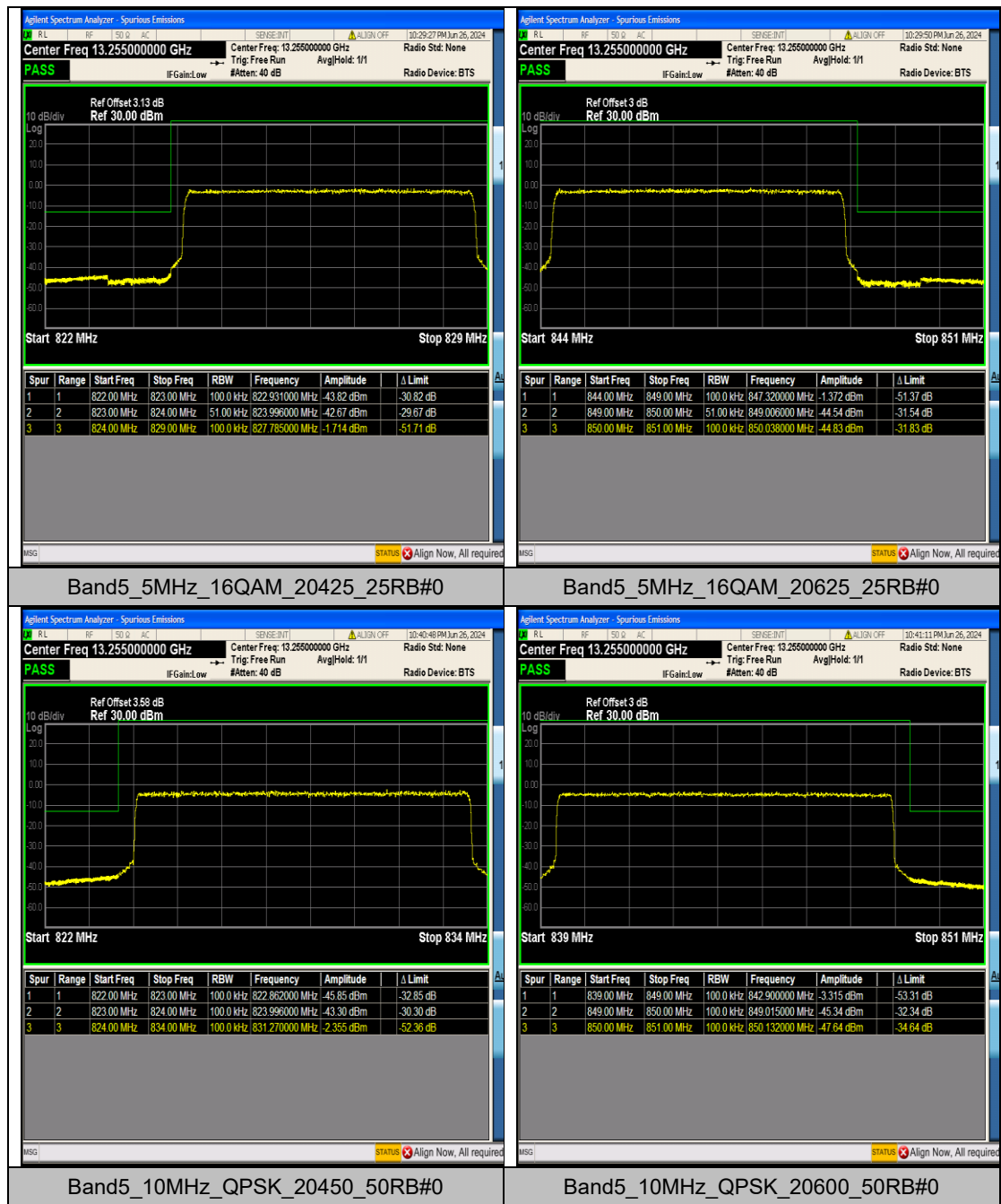
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-35.74	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-38.25	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-36.50	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-41.08	PASS
Band5	3MHz	QPSK	20415	15RB#0	-37.16	PASS
Band5	3MHz	QPSK	20635	15RB#0	-39.15	PASS
Band5	3MHz	16QAM	20415	15RB#0	-38.49	PASS
Band5	3MHz	16QAM	20635	15RB#0	-39.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	-41.73	PASS
Band5	5MHz	QPSK	20625	25RB#0	-43.02	PASS
Band5	5MHz	16QAM	20425	25RB#0	-42.67	PASS
Band5	5MHz	16QAM	20625	25RB#0	-44.54	PASS
Band5	10MHz	QPSK	20450	50RB#0	-43.30	PASS
Band5	10MHz	QPSK	20600	50RB#0	-45.34	PASS
Band5	10MHz	16QAM	20450	50RB#0	-44.47	PASS
Band5	10MHz	16QAM	20600	50RB#0	-45.57	PASS

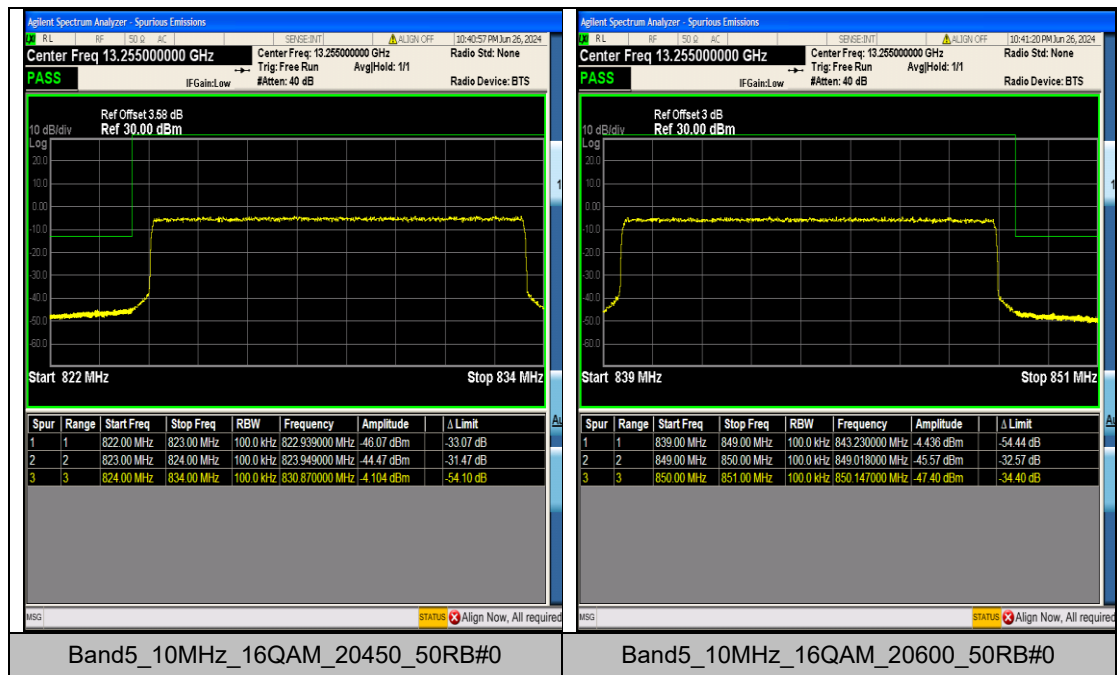
Test Graphs











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	-44.40	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-58.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-53.70	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-48.82	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.73	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-50.65	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-59.40	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-54.63	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-49.10	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.66	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-49.94	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-57.38	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-52.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-51.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-50.09	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-45.85	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-58.17	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-55.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-50.18	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-49.89	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-47.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-57.20	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.06	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-50.17	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-50.20	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-47.99	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-58.10	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-52.44	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-52.14	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-48.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-57.44	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-57.10	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.16	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-50.14	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.63	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-58.26	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-56.19	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-51.73	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.89	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-47.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-58.28	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-55.82	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-51.75	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.66	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.29	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-58.38	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-58.91	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.48	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-50.02	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-46.17	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-58.33	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-58.58	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.42	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.61	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-48.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-58.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-57.63	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.59	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-49.80	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-47.66	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-58.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-59.65	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-51.72	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-50.11	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-45.48	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-58.85	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-59.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.33	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-50.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-58.37	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-59.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.54	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.85	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-47.24	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-56.92	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-62.42	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.56	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.90	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-49.04	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.29	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-60.54	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.55	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-50.06	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-47.44	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-58.56	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-61.02	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.35	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.31	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-47.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-56.30	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-65.32	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.59	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.80	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-49.42	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-56.06	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-66.71	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.36	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.77	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-50.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-57.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-64.01	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.71	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.47	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-45.31	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-58.14	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-65.50	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.72	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.62	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-48.95	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-59.22	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-66.37	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.44	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.39	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-46.41	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-58.27	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-64.68	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.89	PASS

Test Graphs

