

FCC LTE Band Test Data

FCC ID : 2BG6D-SDM660

Company: : Dongguan Yigaoxin Electronic Technology Co., Ltd.

EUT : Wireless Carplay Box

Model Number : SDM660

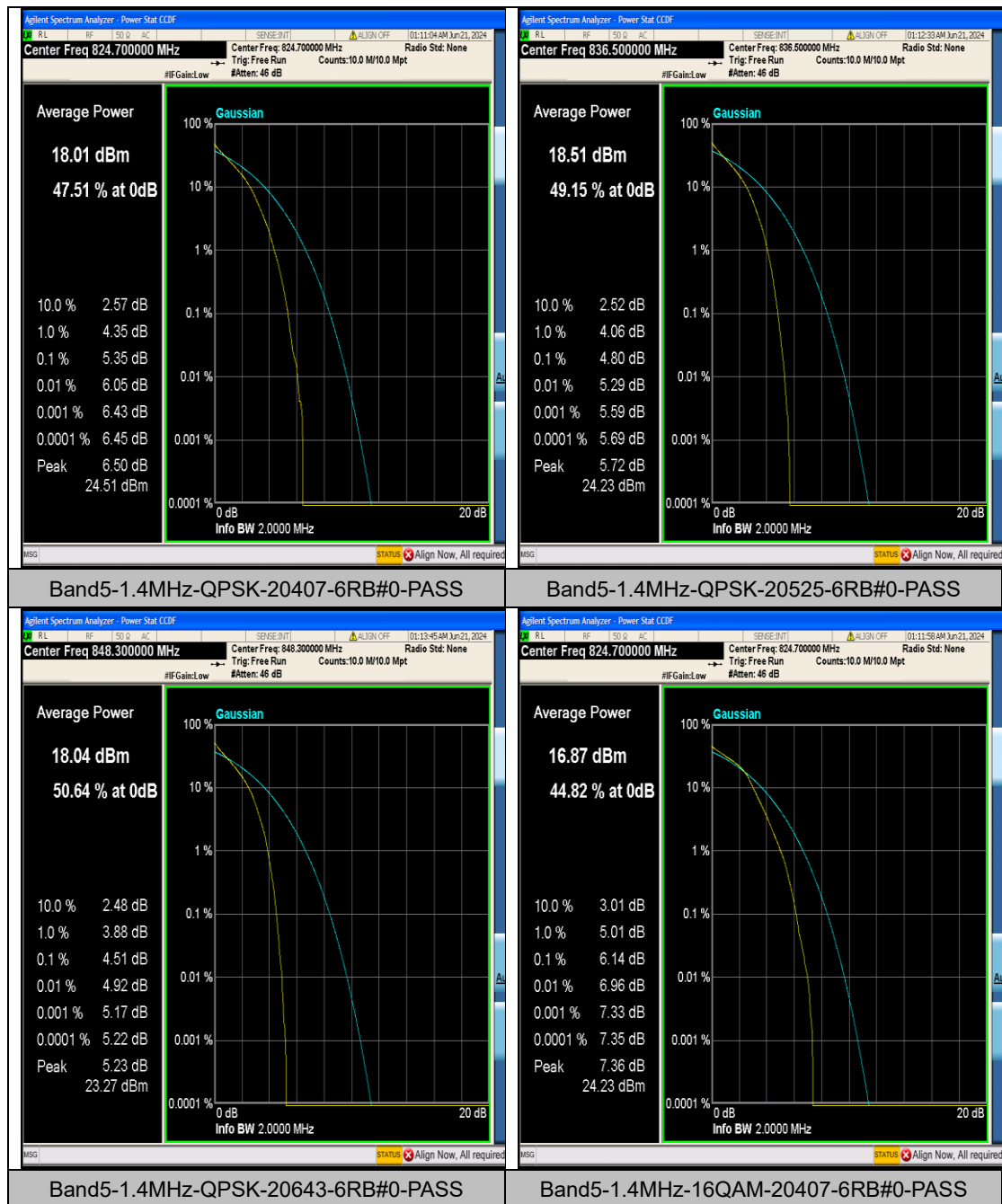
Reviewed By : Eric Wang

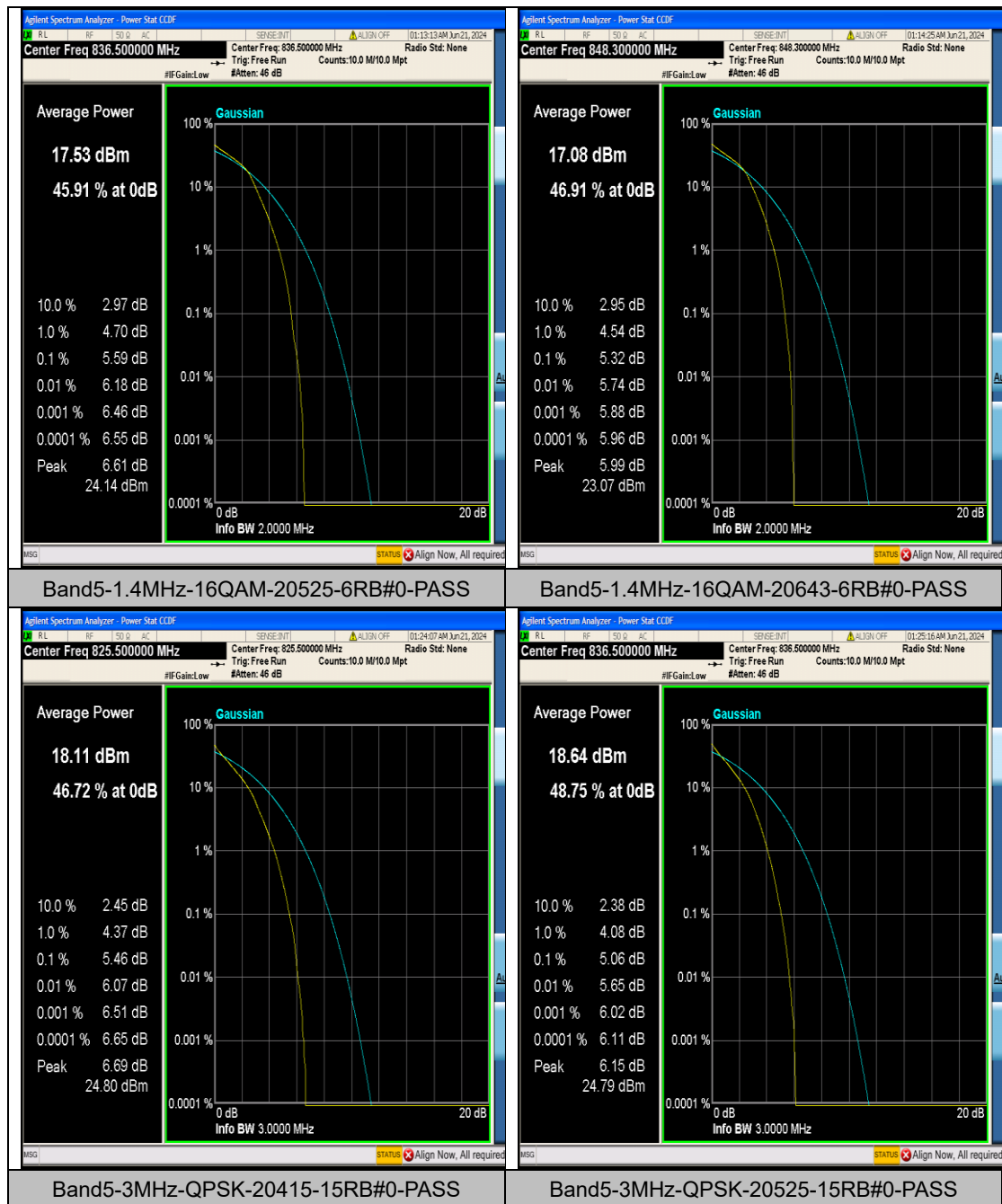
Appendix B: Peak-to-Average Ratio(CCDF)

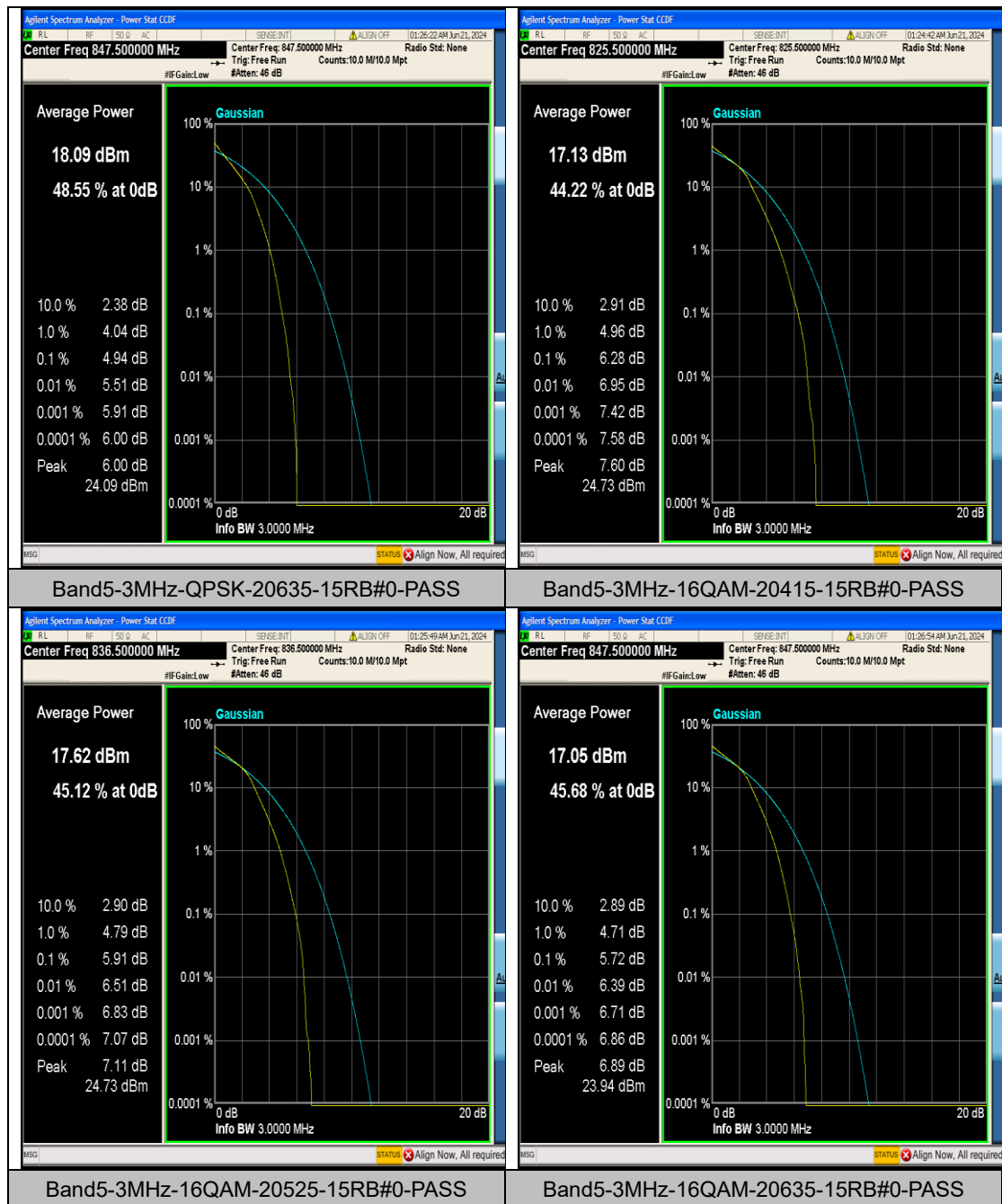
Test Result

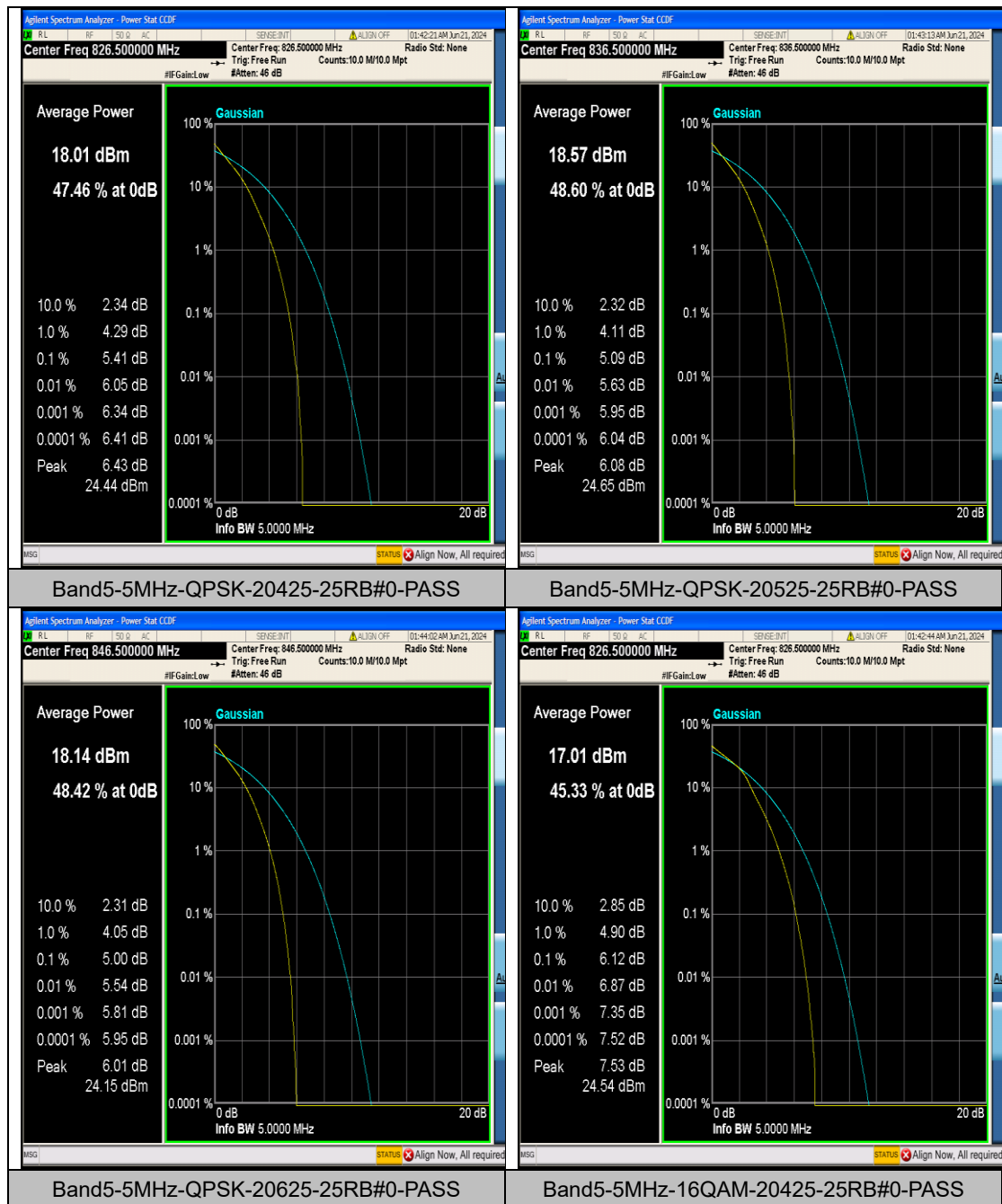
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.35	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.80	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.51	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.14	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.59	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.32	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.46	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.06	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.94	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.28	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.91	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.72	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.41	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.00	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.85	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.72	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.84	13	PASS

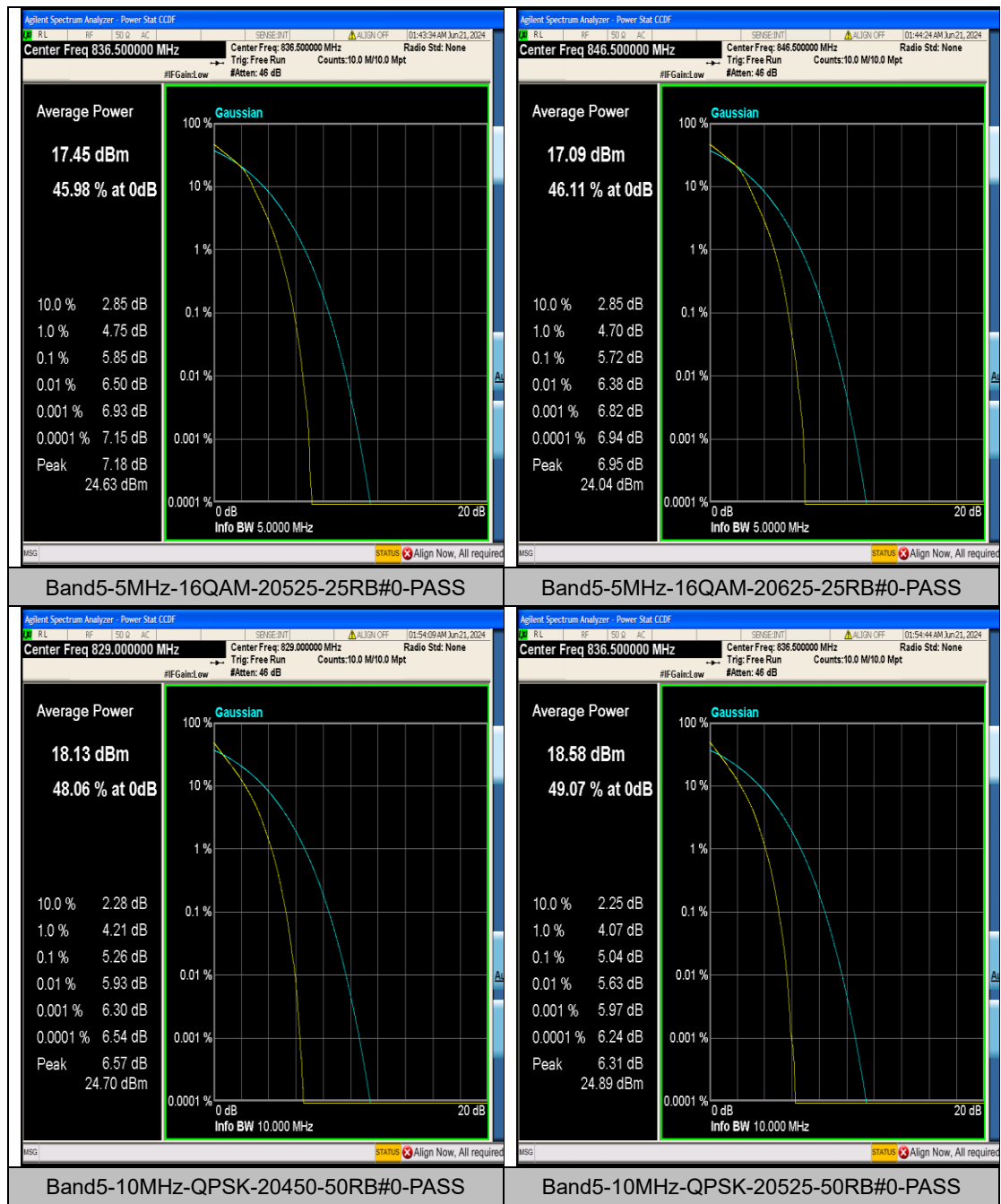
Test Graphs

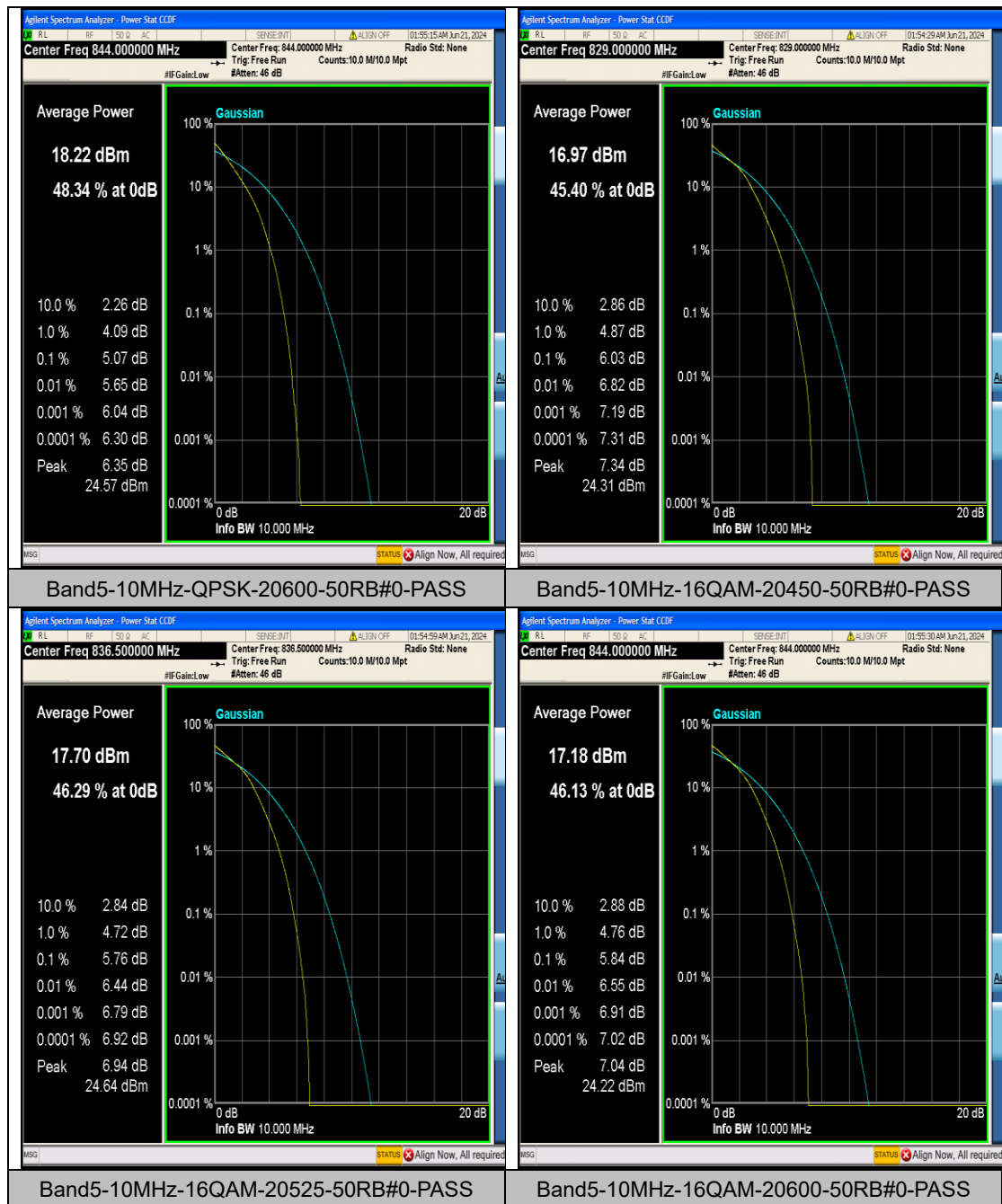










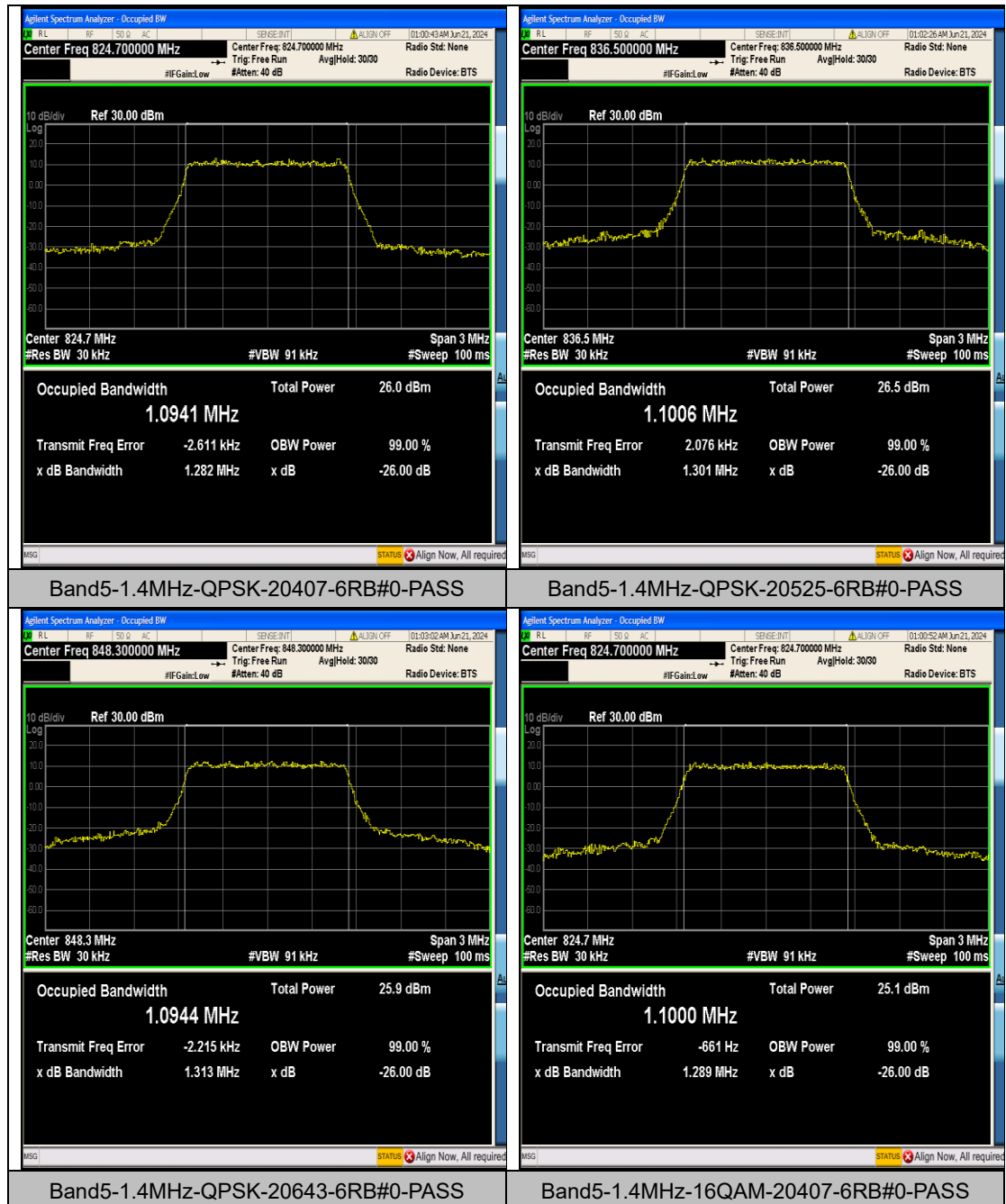


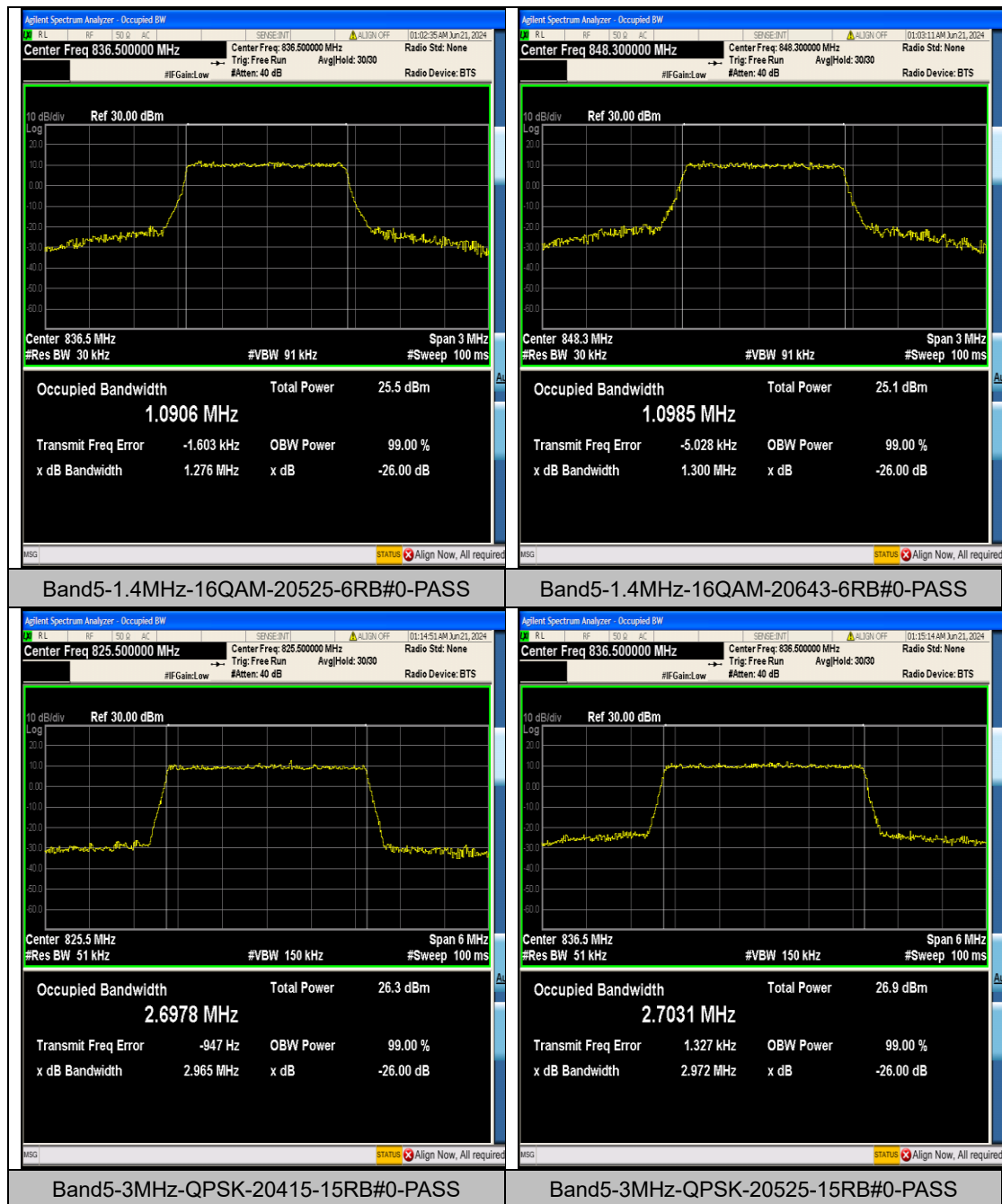
Appendix C: 26dB Bandwidth and Occupied Bandwidth

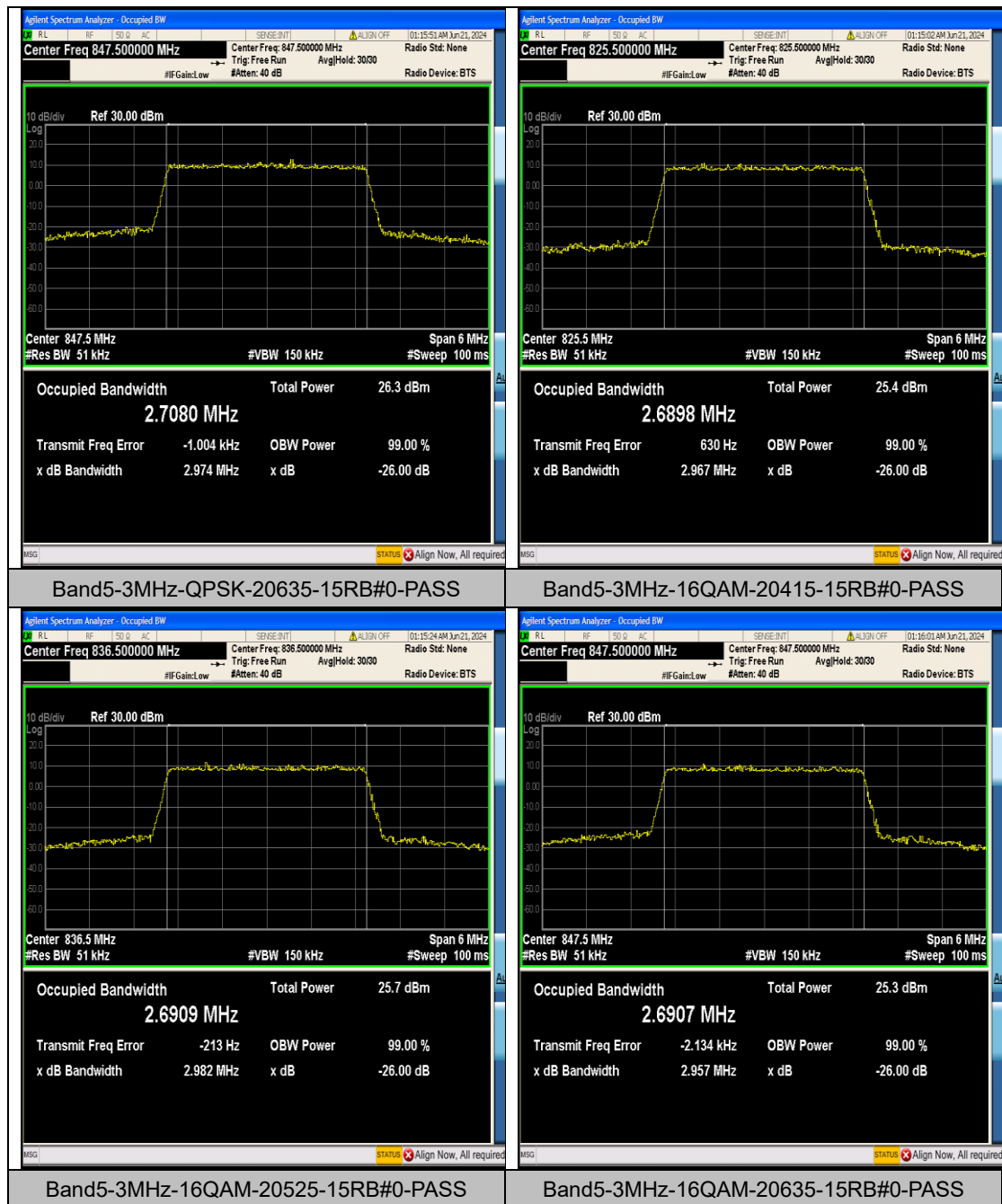
Test Result

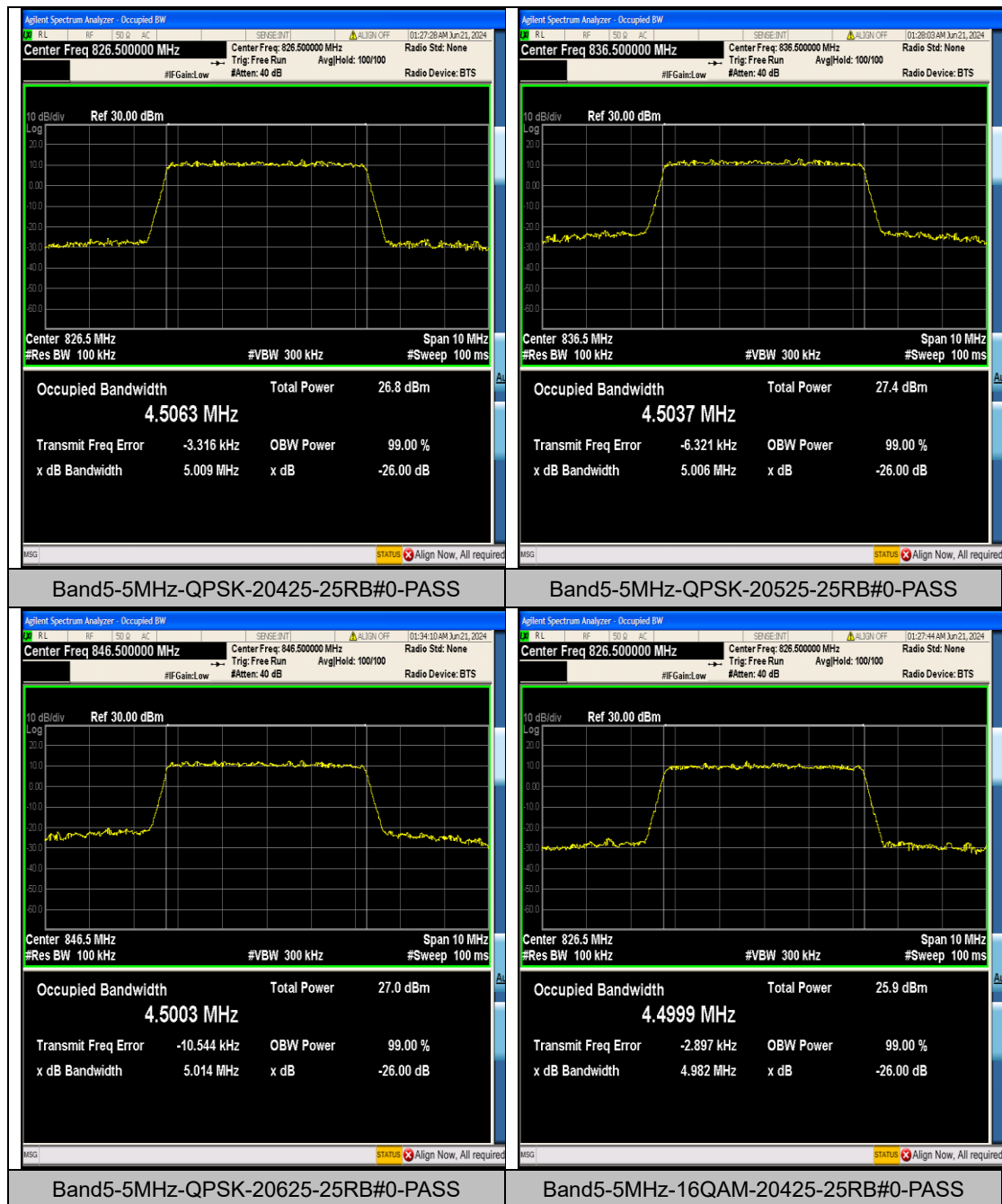
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0941	1.282	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1006	1.301	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0944	1.313	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1000	1.289	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0906	1.276	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0985	1.300	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6978	2.965	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7031	2.972	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7080	2.974	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6898	2.967	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6909	2.982	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6907	2.957	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5063	5.009	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5037	5.006	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5003	5.014	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4999	4.982	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4953	4.971	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4970	4.962	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9855	9.937	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9659	9.924	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9685	9.944	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9764	9.854	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9708	9.845	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9612	9.851	PASS

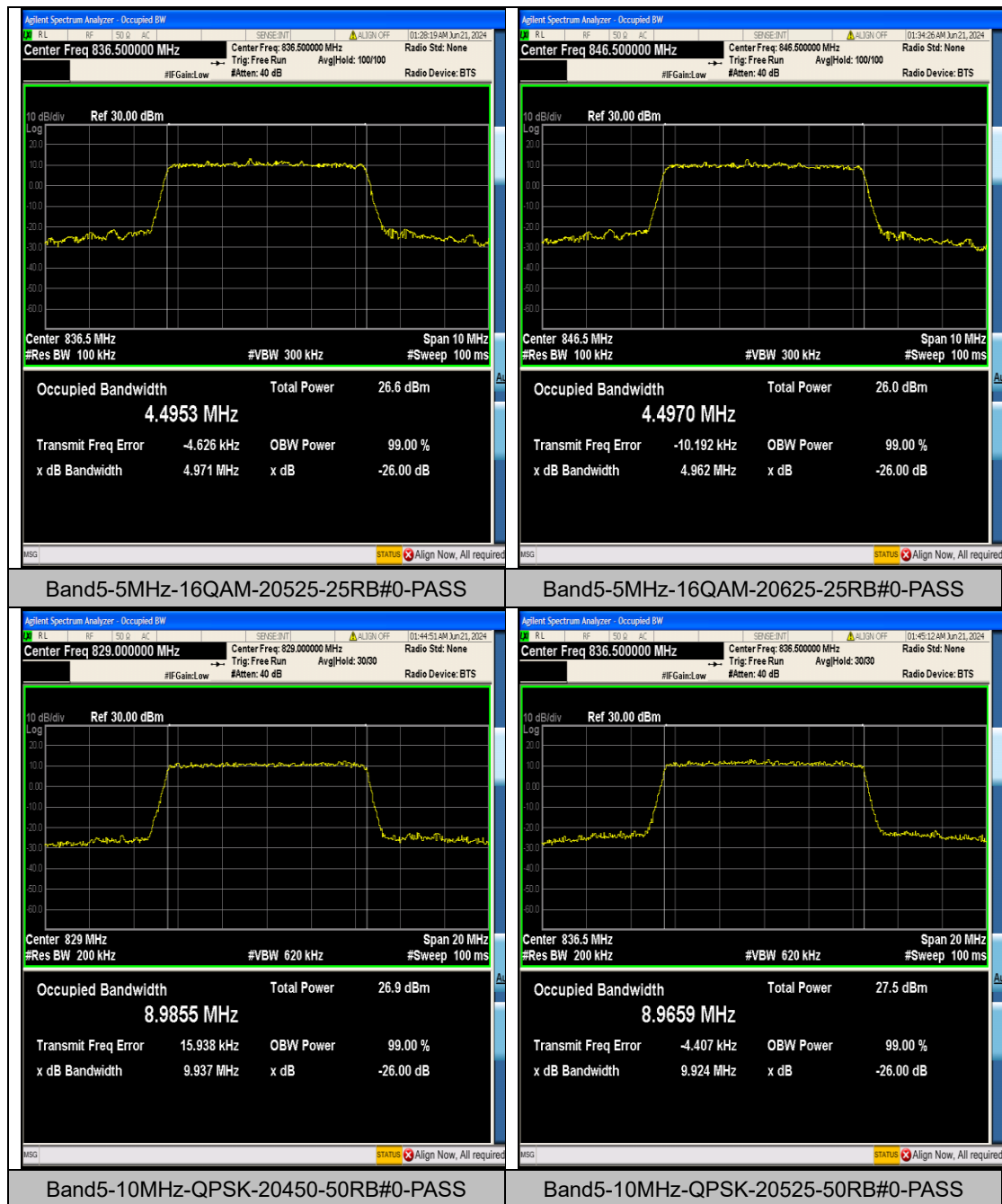
Test Graphs

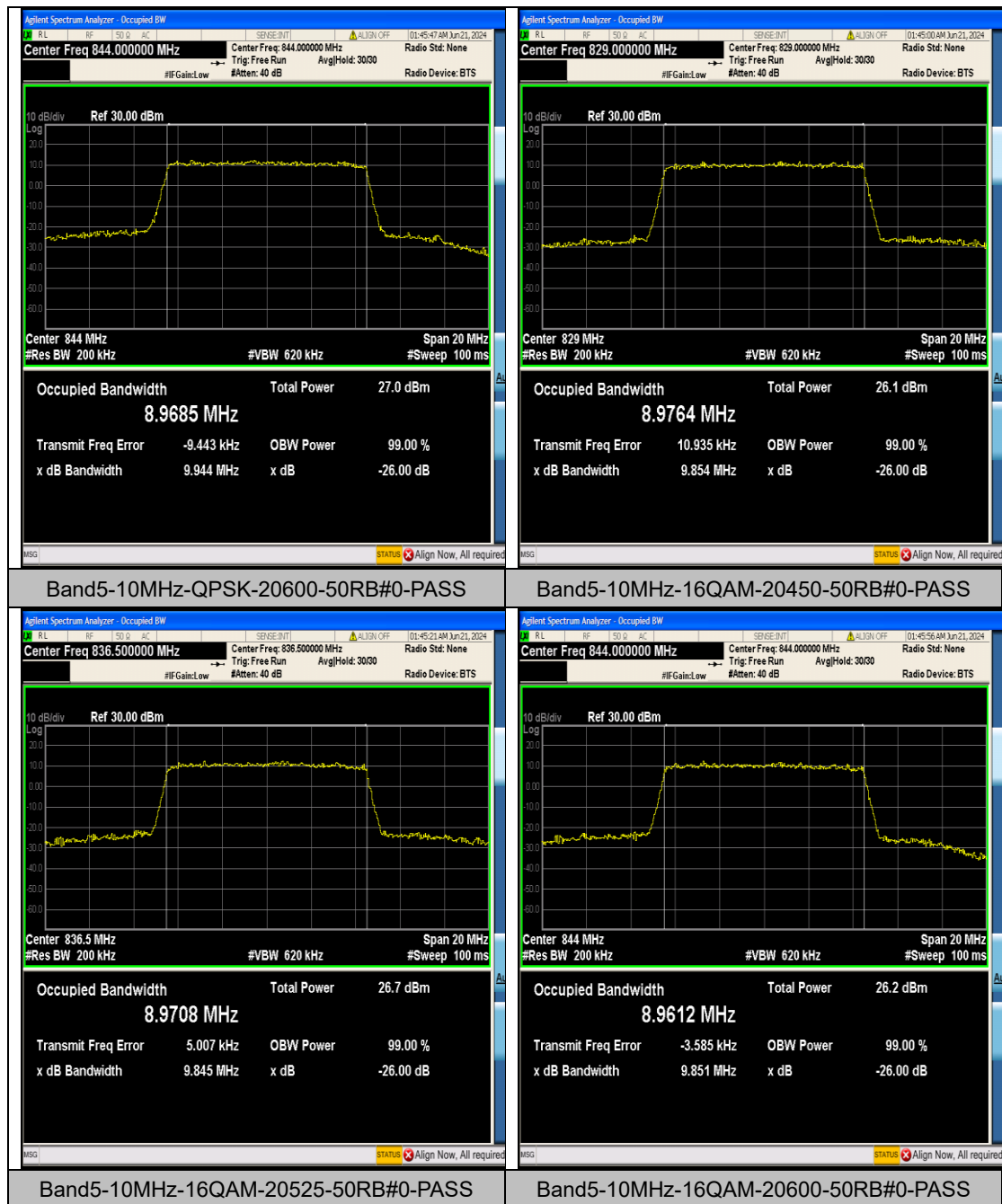










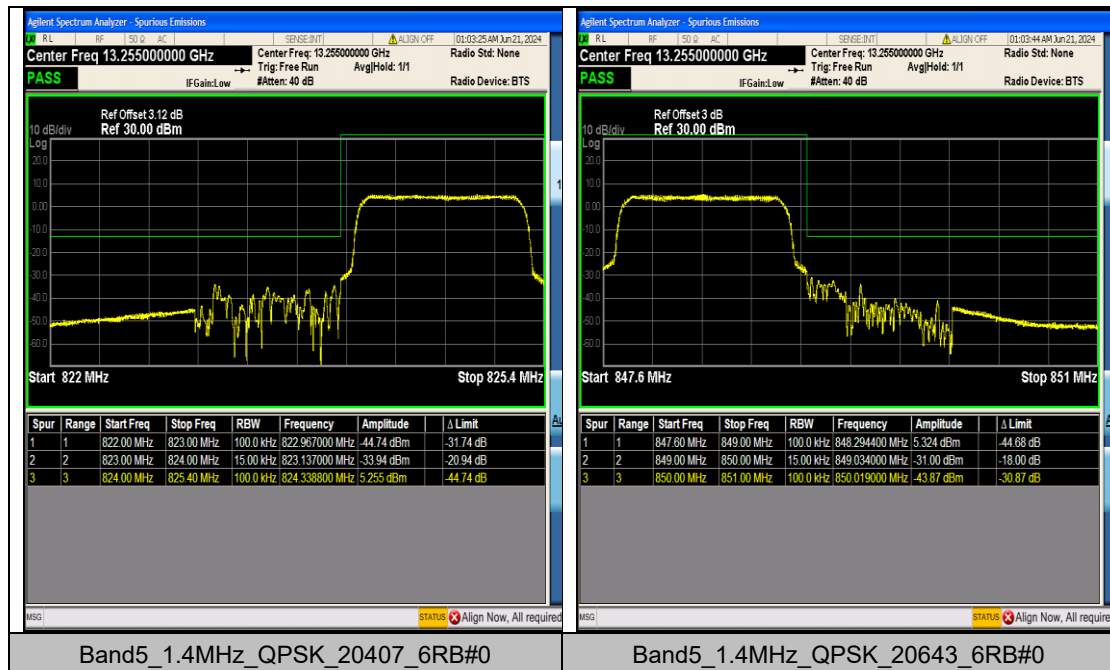


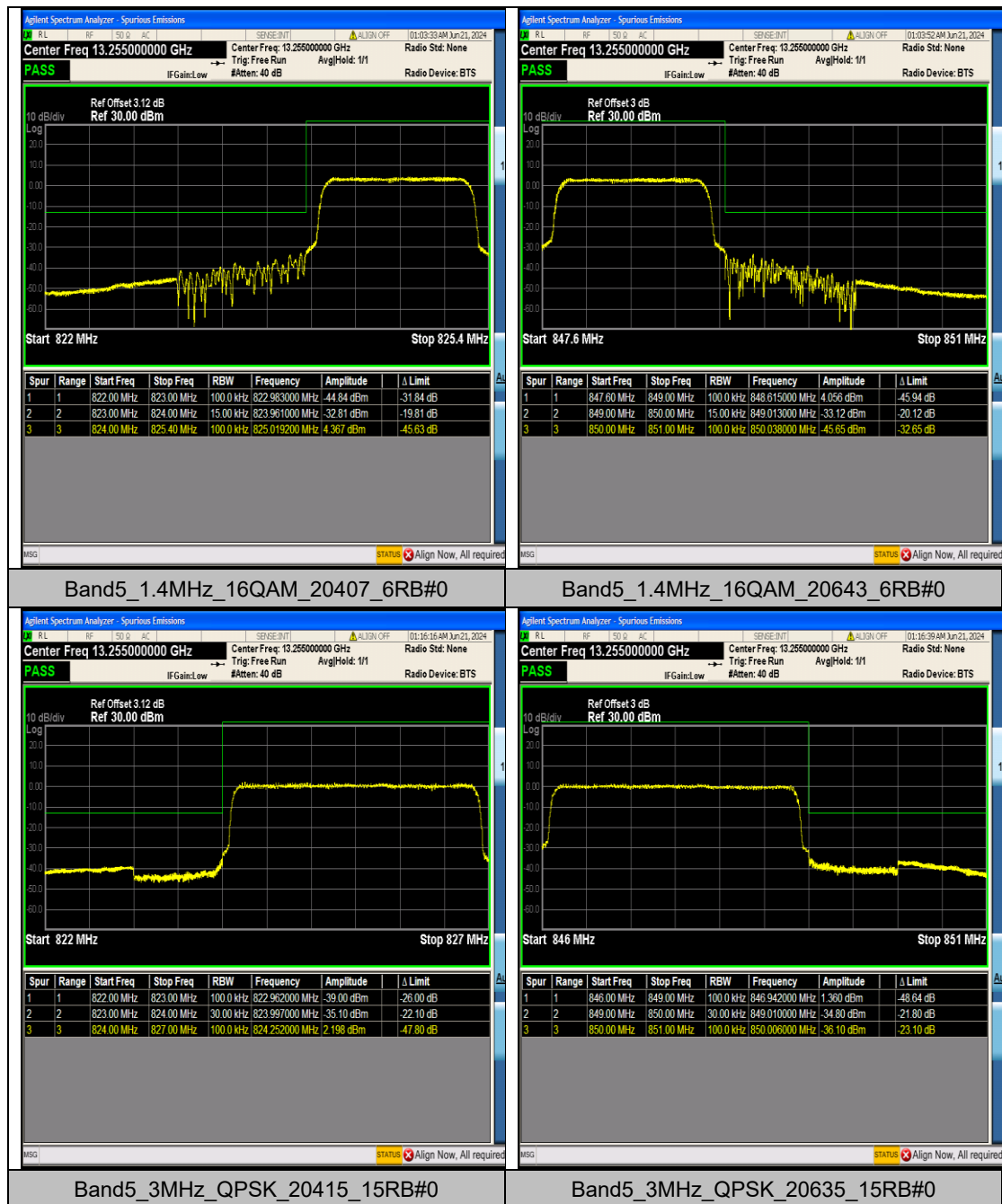
Appendix D: Band Edge

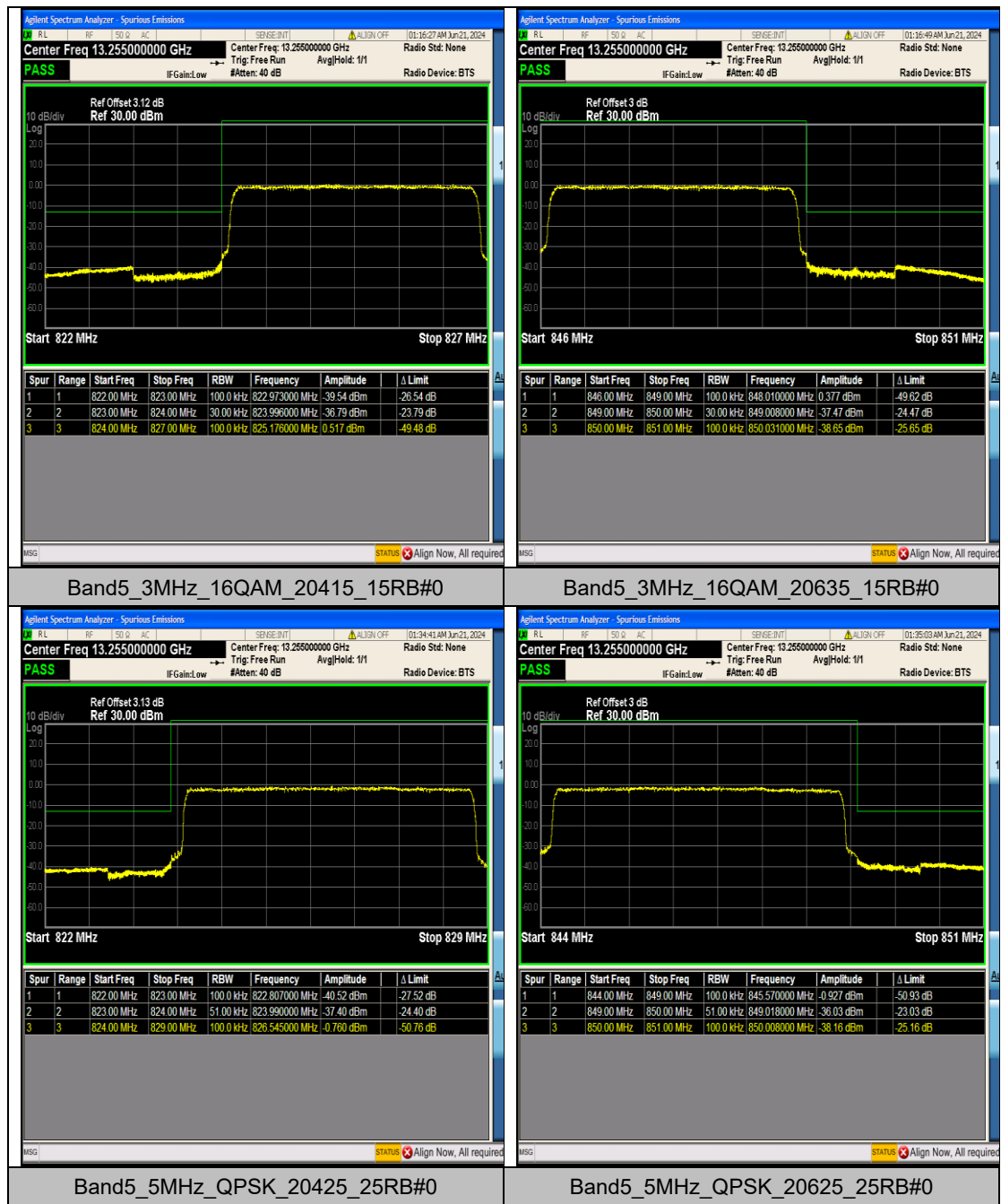
Test Result

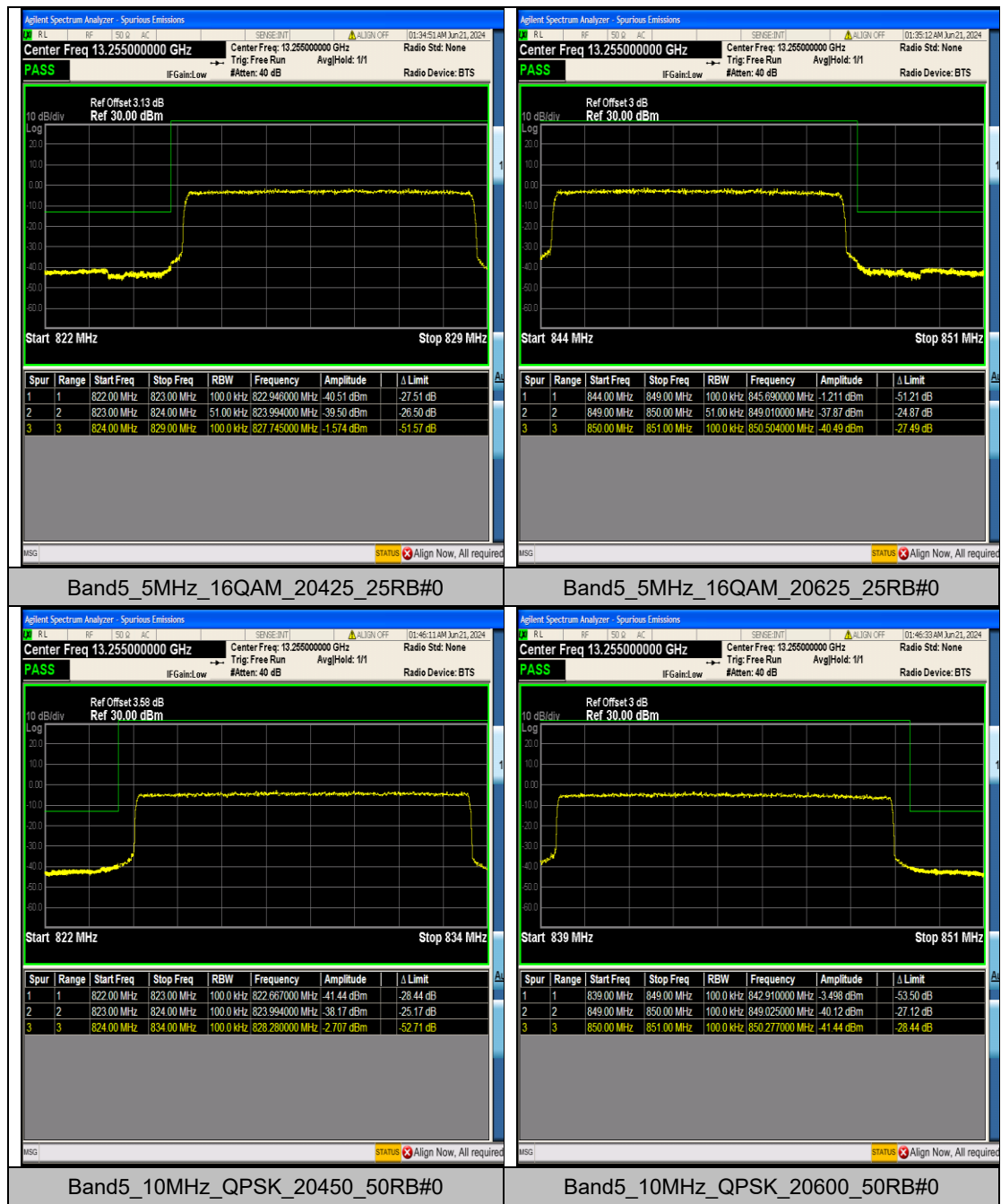
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-33.94	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-31.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-32.81	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-33.12	PASS
Band5	3MHz	QPSK	20415	15RB#0	-35.10	PASS
Band5	3MHz	QPSK	20635	15RB#0	-34.80	PASS
Band5	3MHz	16QAM	20415	15RB#0	-36.79	PASS
Band5	3MHz	16QAM	20635	15RB#0	-37.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	-37.40	PASS
Band5	5MHz	QPSK	20625	25RB#0	-36.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	-39.50	PASS
Band5	5MHz	16QAM	20625	25RB#0	-37.87	PASS
Band5	10MHz	QPSK	20450	50RB#0	-38.17	PASS
Band5	10MHz	QPSK	20600	50RB#0	-40.12	PASS
Band5	10MHz	16QAM	20450	50RB#0	-40.71	PASS
Band5	10MHz	16QAM	20600	50RB#0	-41.78	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	-48.65	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-58.85	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-52.57	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-49.73	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.80	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-50.19	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-59.38	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-57.32	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-49.94	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-49.89	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-59.09	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-53.07	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-51.04	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-49.74	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-50.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-58.49	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-54.76	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-50.82	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-50.03	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-48.54	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-59.46	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.94	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-51.39	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-49.63	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-49.57	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-60.18	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-52.49	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-51.05	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.40	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-44.46	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-58.61	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-53.84	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.25	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-49.74	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.08	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-60.30	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-55.23	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-52.20	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.76	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-49.72	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-58.66	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-53.33	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.60	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-50.11	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.53	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-58.38	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-55.68	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.36	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-50.02	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-50.38	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-59.18	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-57.51	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.59	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.51	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-48.20	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-57.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-56.12	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.55	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-50.04	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-47.86	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-58.20	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-55.46	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.56	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-50.03	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-50.79	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-59.76	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-57.37	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.87	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-47.83	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-58.06	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-55.36	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.57	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.98	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-47.53	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-58.36	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-58.16	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.86	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.92	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-47.65	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.64	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-59.38	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.57	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-49.74	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-46.64	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-59.18	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-57.44	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.65	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-43.81	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-57.65	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-65.11	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.61	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.72	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-47.54	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-59.26	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-60.33	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.43	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-50.13	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-59.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-58.57	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.47	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.54	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-48.23	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-60.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-66.19	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.44	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.74	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-49.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-57.81	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-61.78	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.41	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.90	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-49.60	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-59.75	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-60.68	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.47	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.60	PASS

Test Graphs

