

FCC LTE Band Test Data

FCC ID : **2BCQ3FLY500**

Company: : **A3 MOBILE SAS**

EUT : **Mobile Phone**

Model Number : **FY-500**

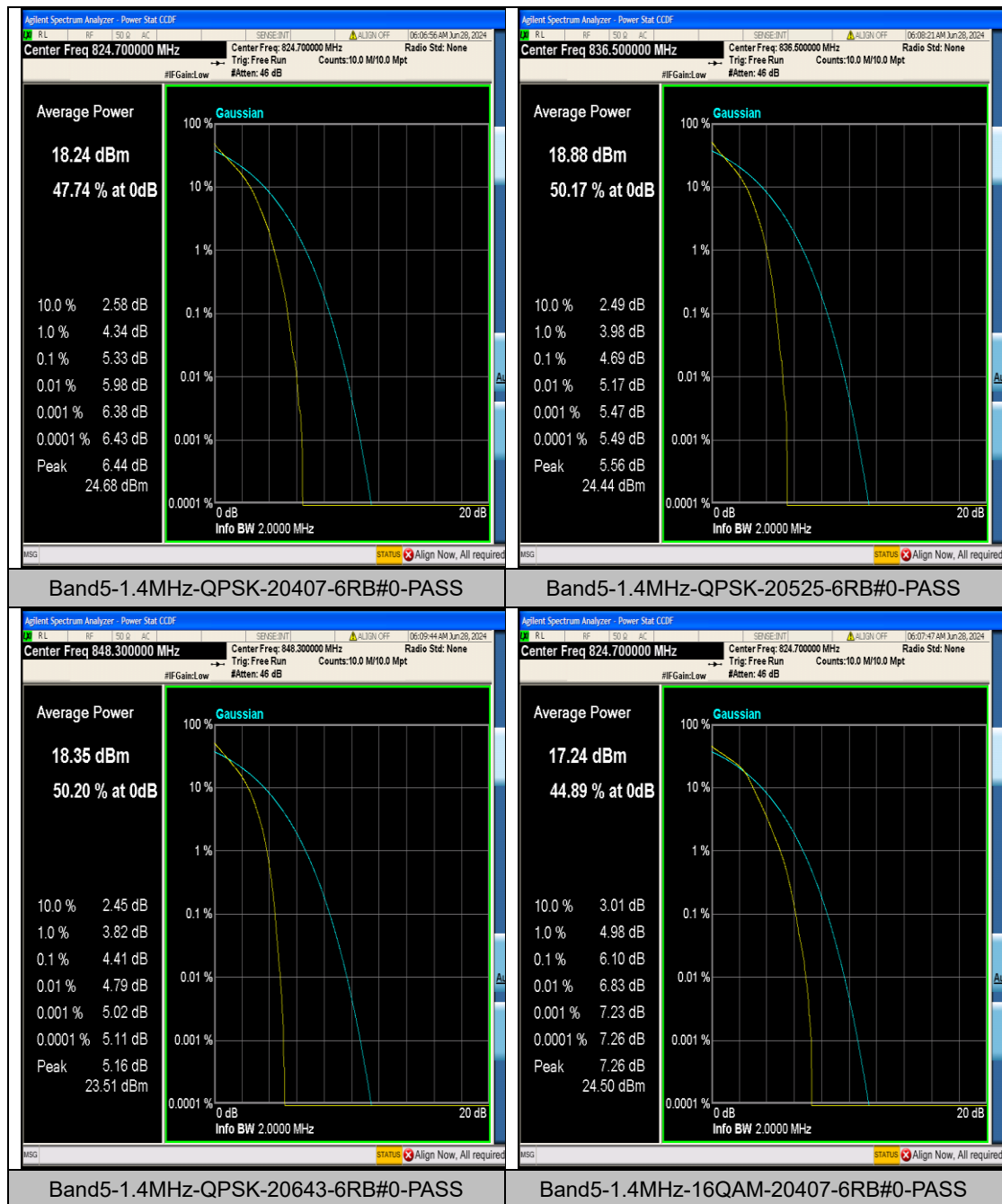
Reviewed By : **Eric Wang**

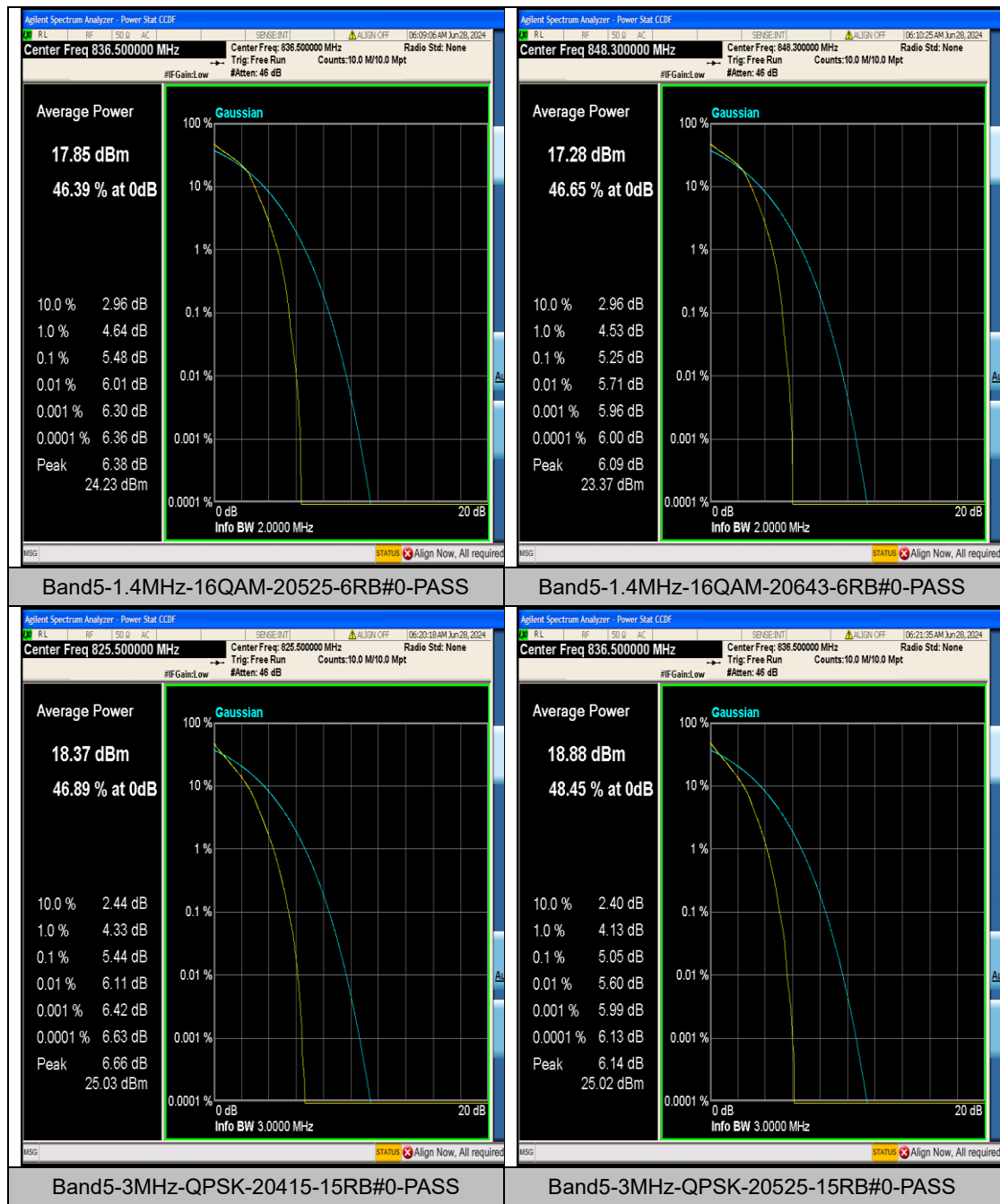
Appendix B: Peak-to-Average Ratio(CCDF)

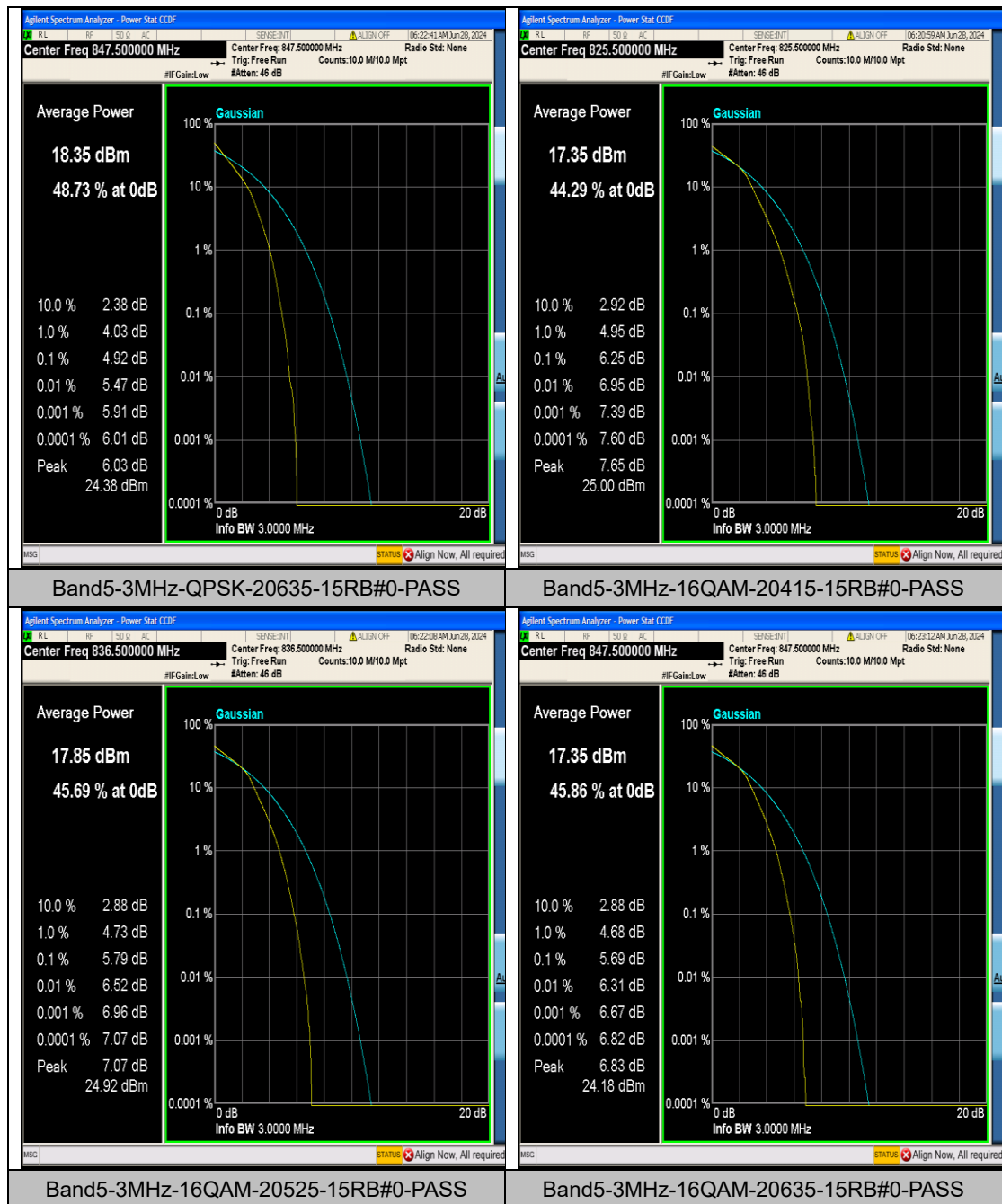
Test Result

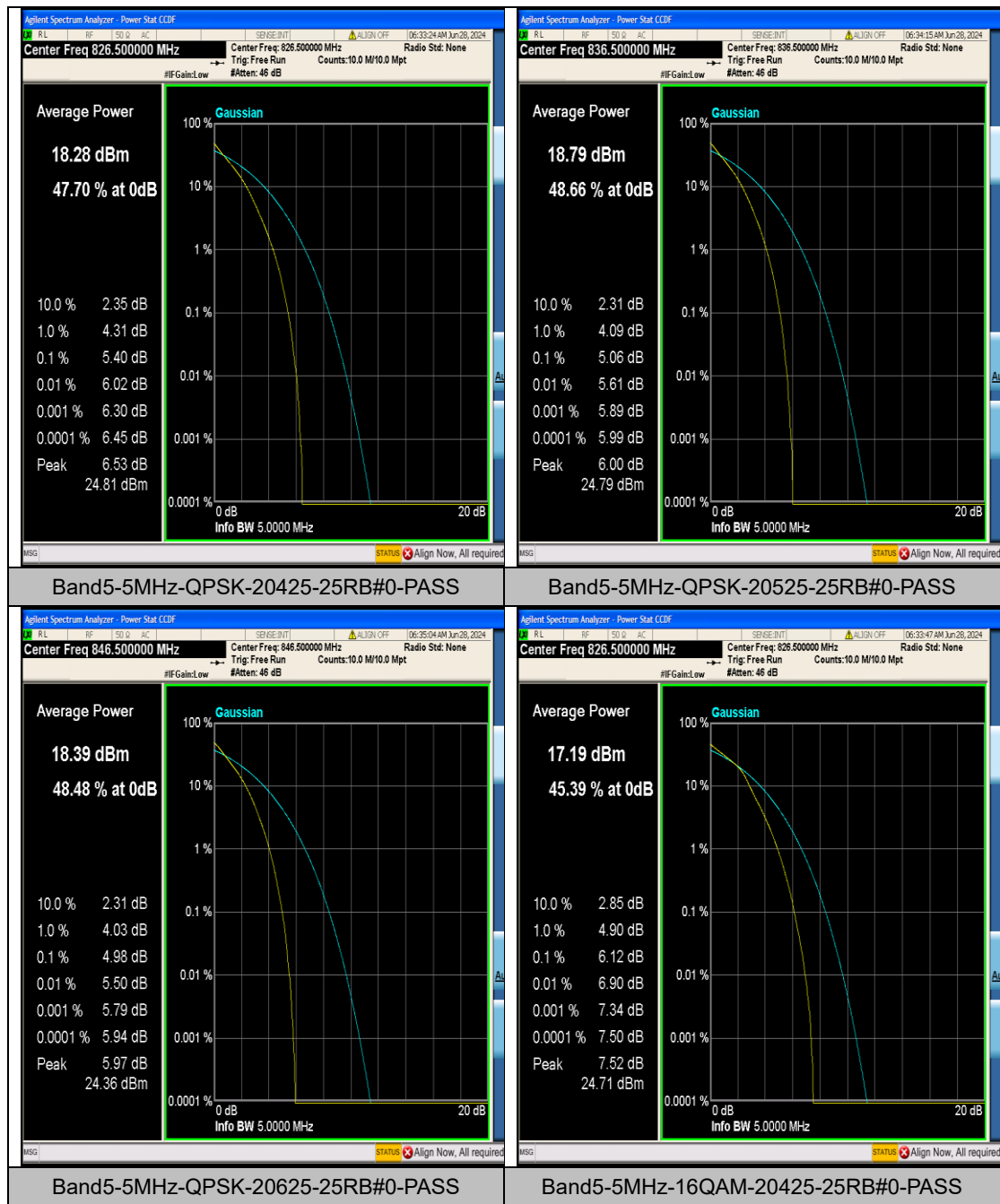
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.33	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.69	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.41	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.10	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.48	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.25	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.44	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.05	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.92	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.25	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.79	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.69	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.40	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.06	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.98	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.67	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.23	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.00	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.03	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.02	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.81	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.79	13	PASS

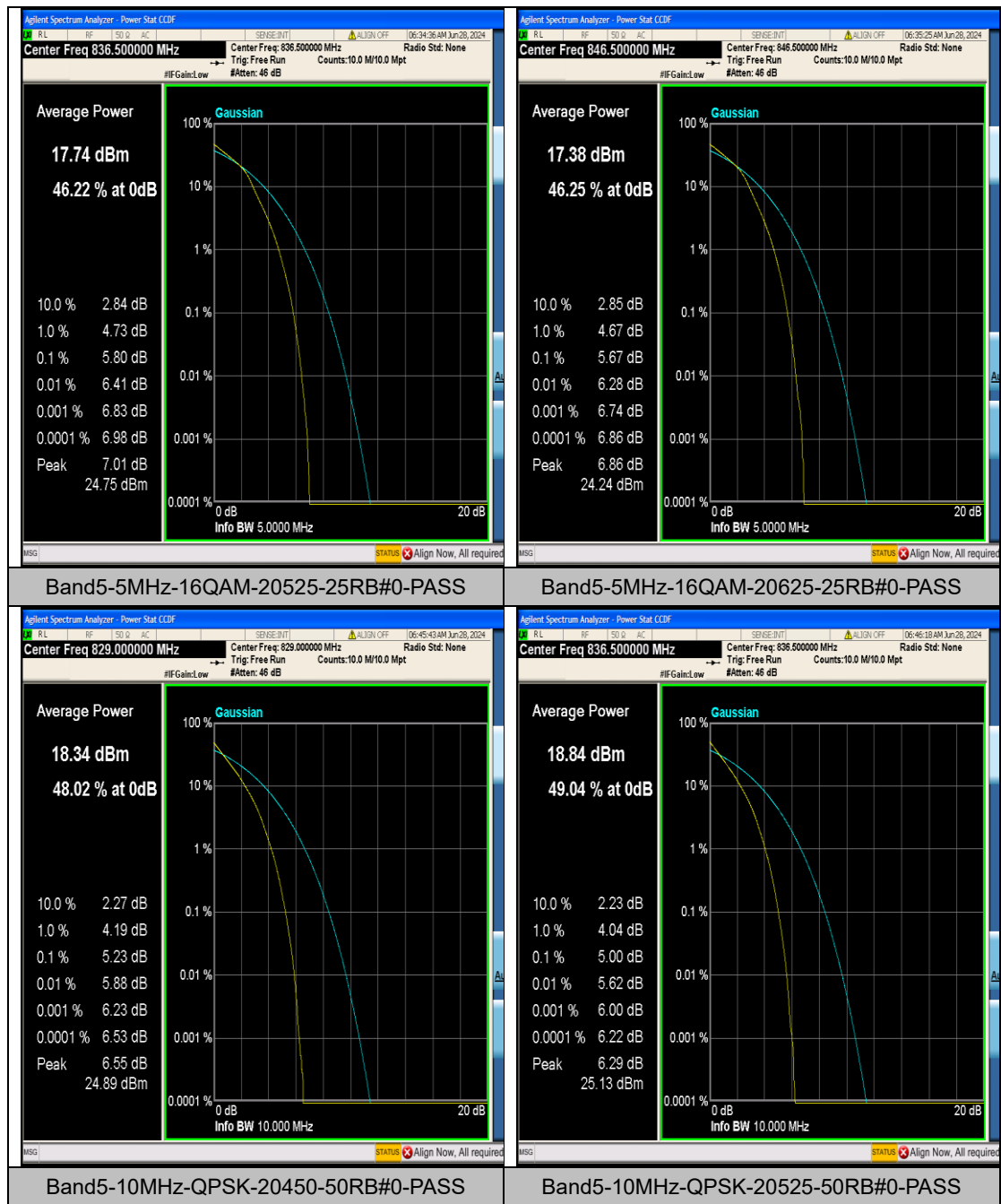
Test Graphs

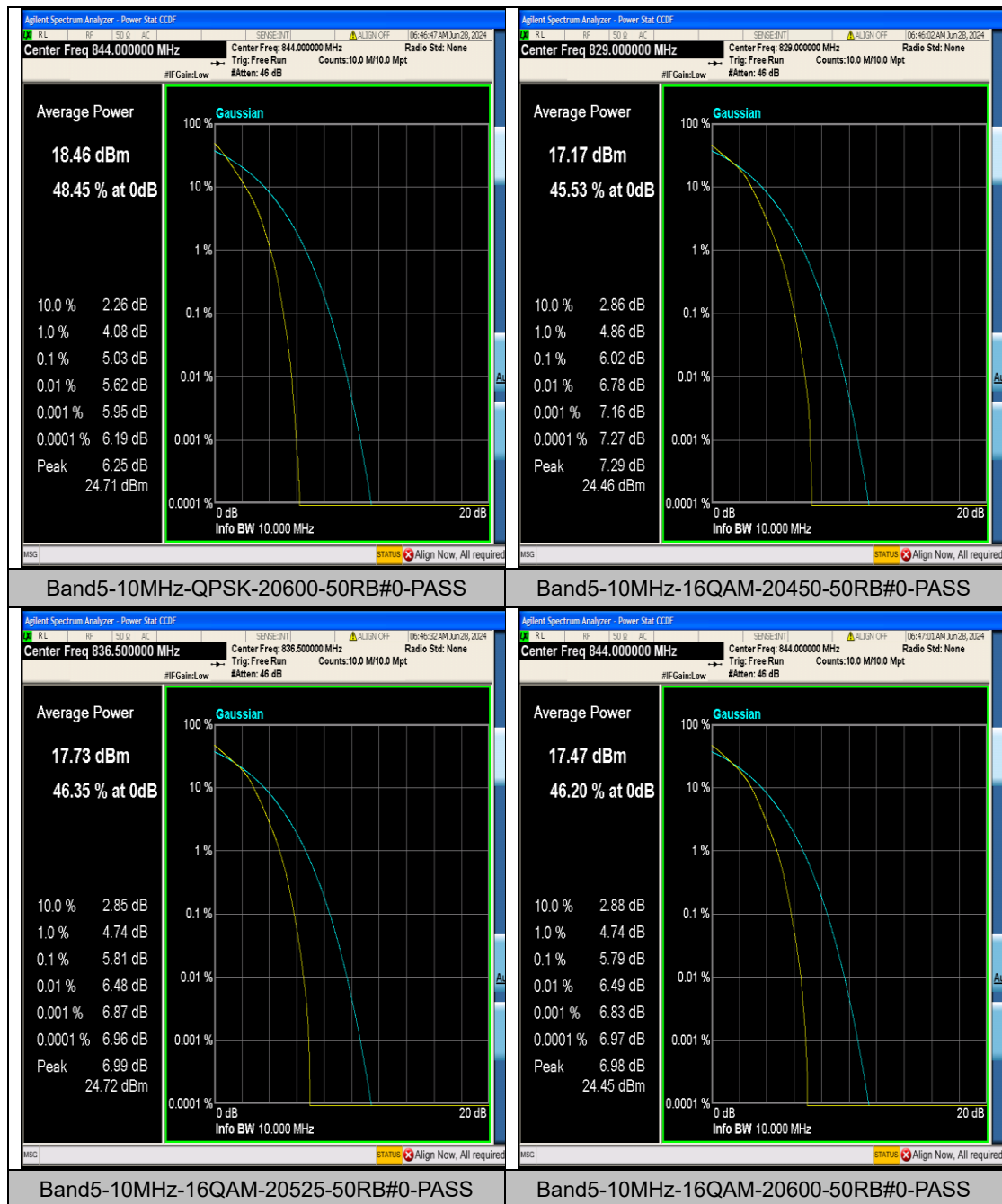










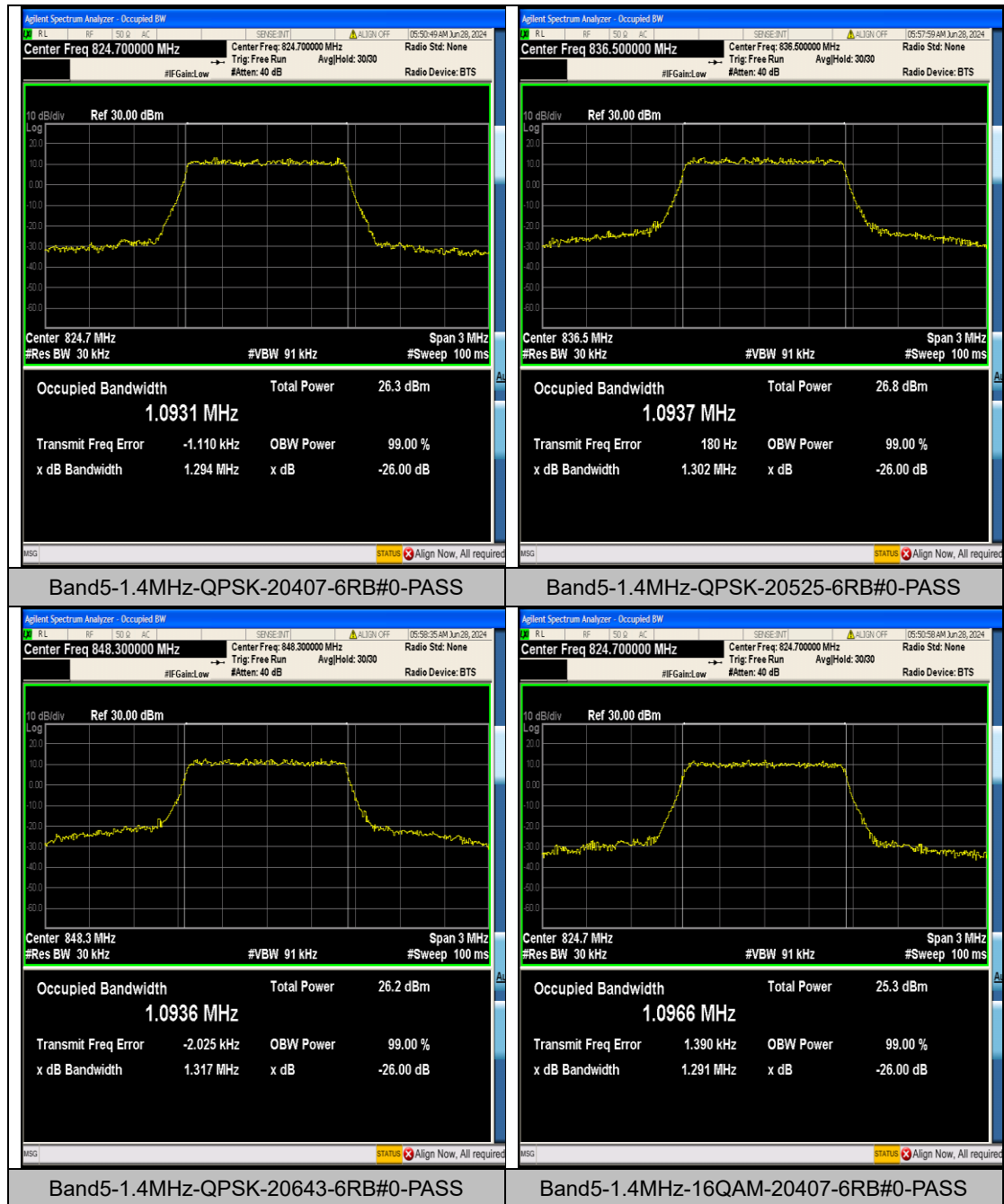


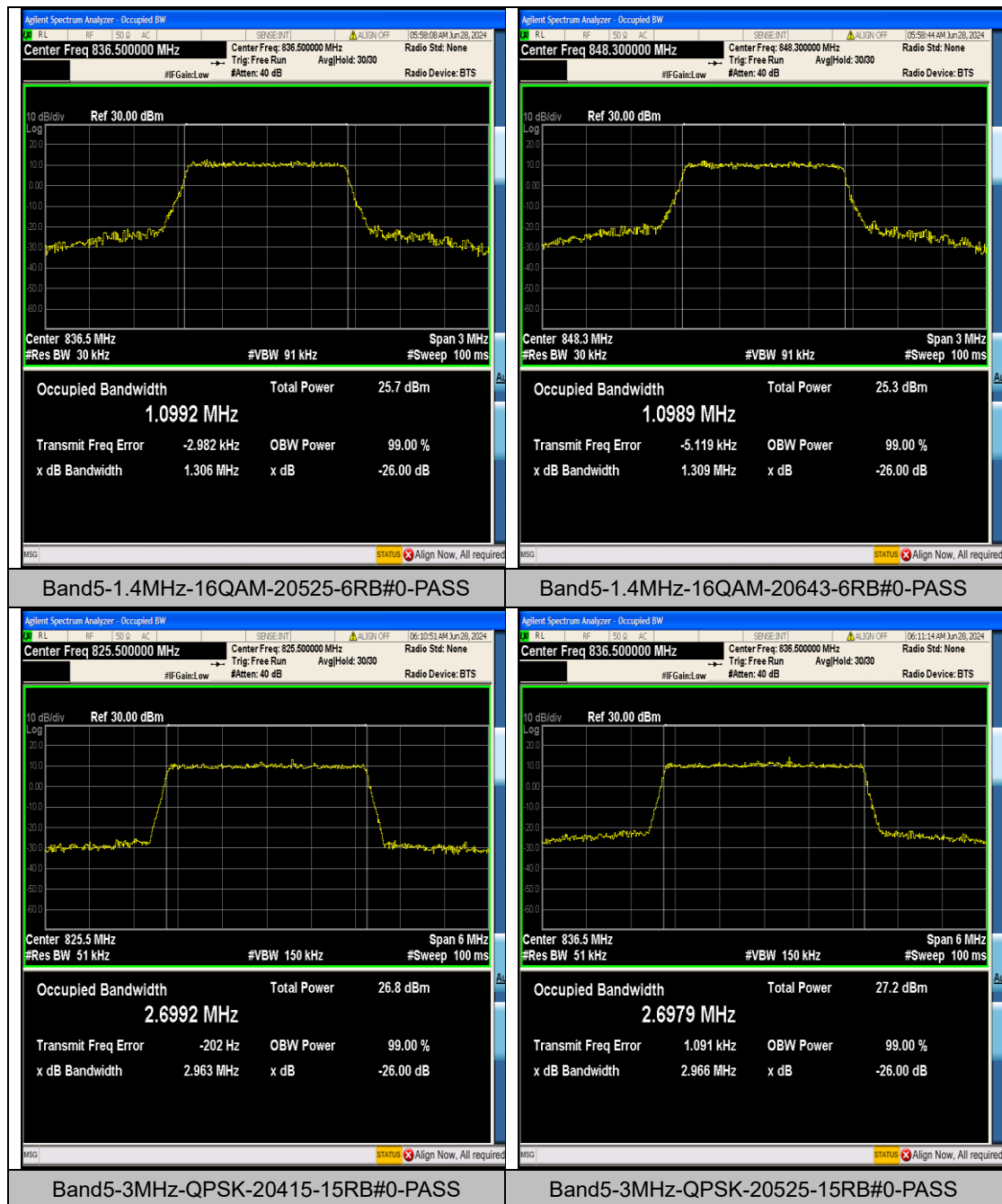
Appendix C: 26dB Bandwidth and Occupied Bandwidth

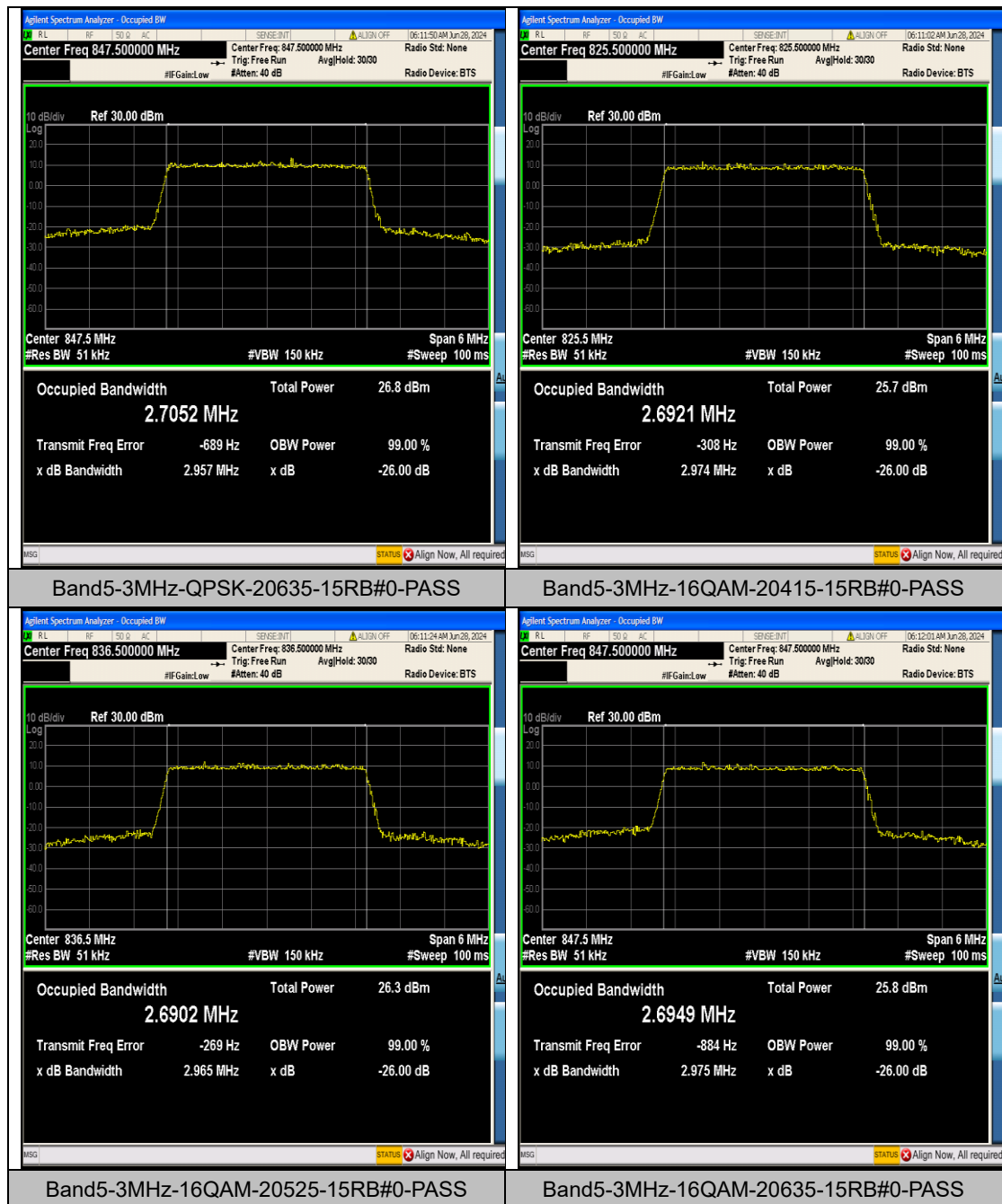
Test Result

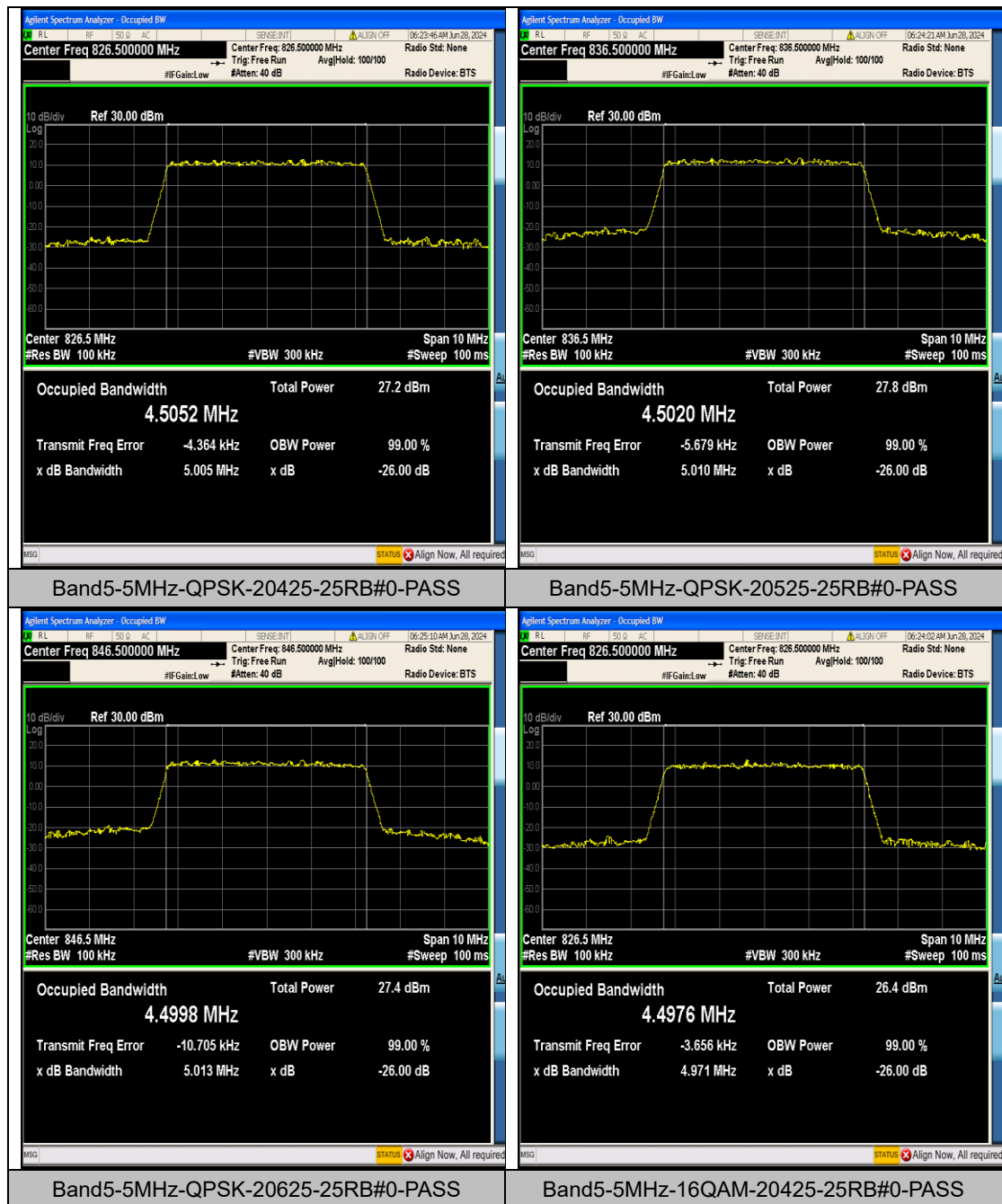
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0931	1.294	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0937	1.302	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0936	1.317	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0966	1.291	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0992	1.306	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0989	1.309	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6992	2.963	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6979	2.966	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7052	2.957	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6921	2.974	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6902	2.965	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6949	2.975	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5052	5.005	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5020	5.010	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4998	5.013	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4976	4.971	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4951	4.969	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5004	4.986	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9769	9.939	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9612	9.956	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9778	9.911	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9893	9.895	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9557	9.839	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9773	9.836	PASS

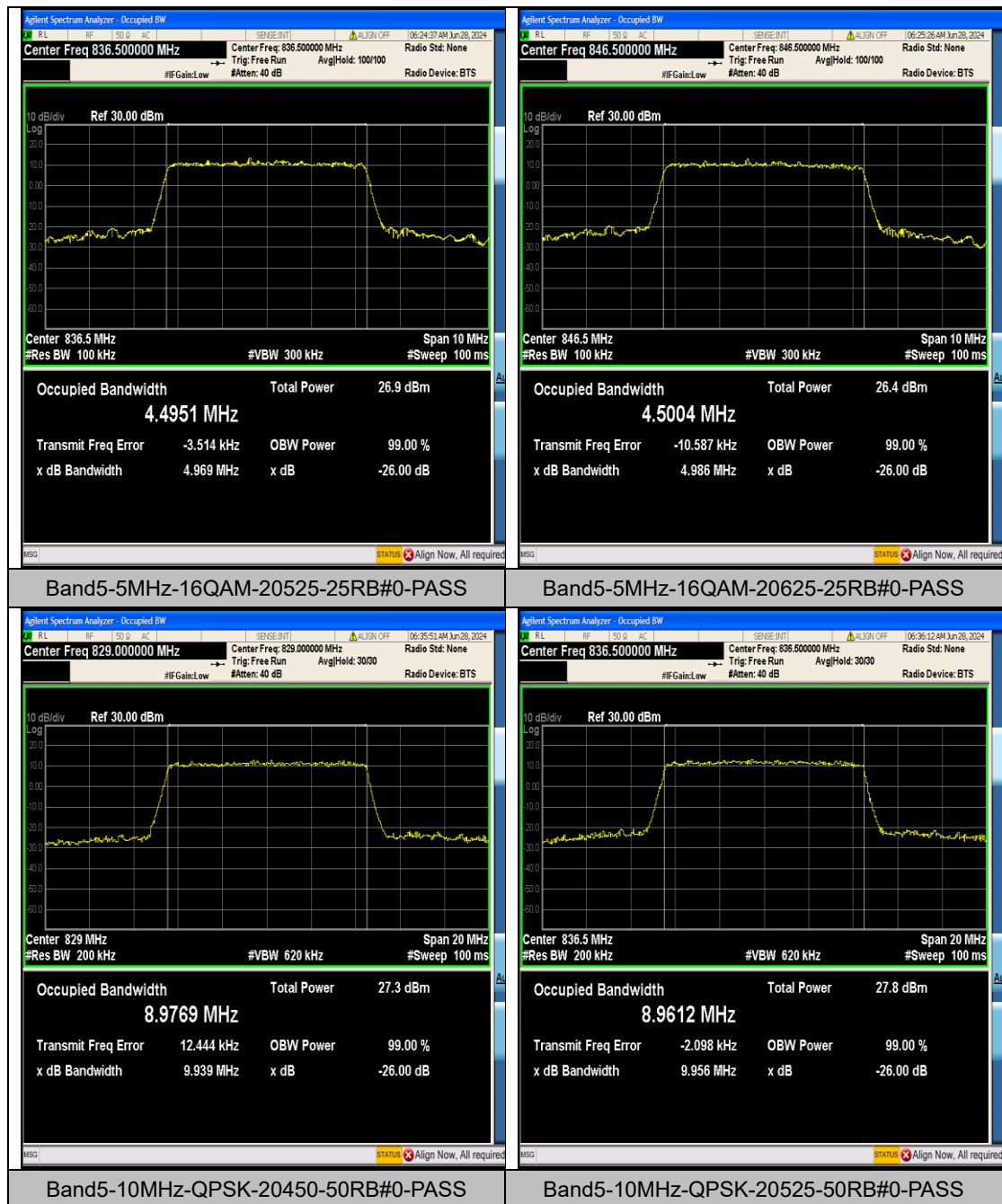
Test Graphs

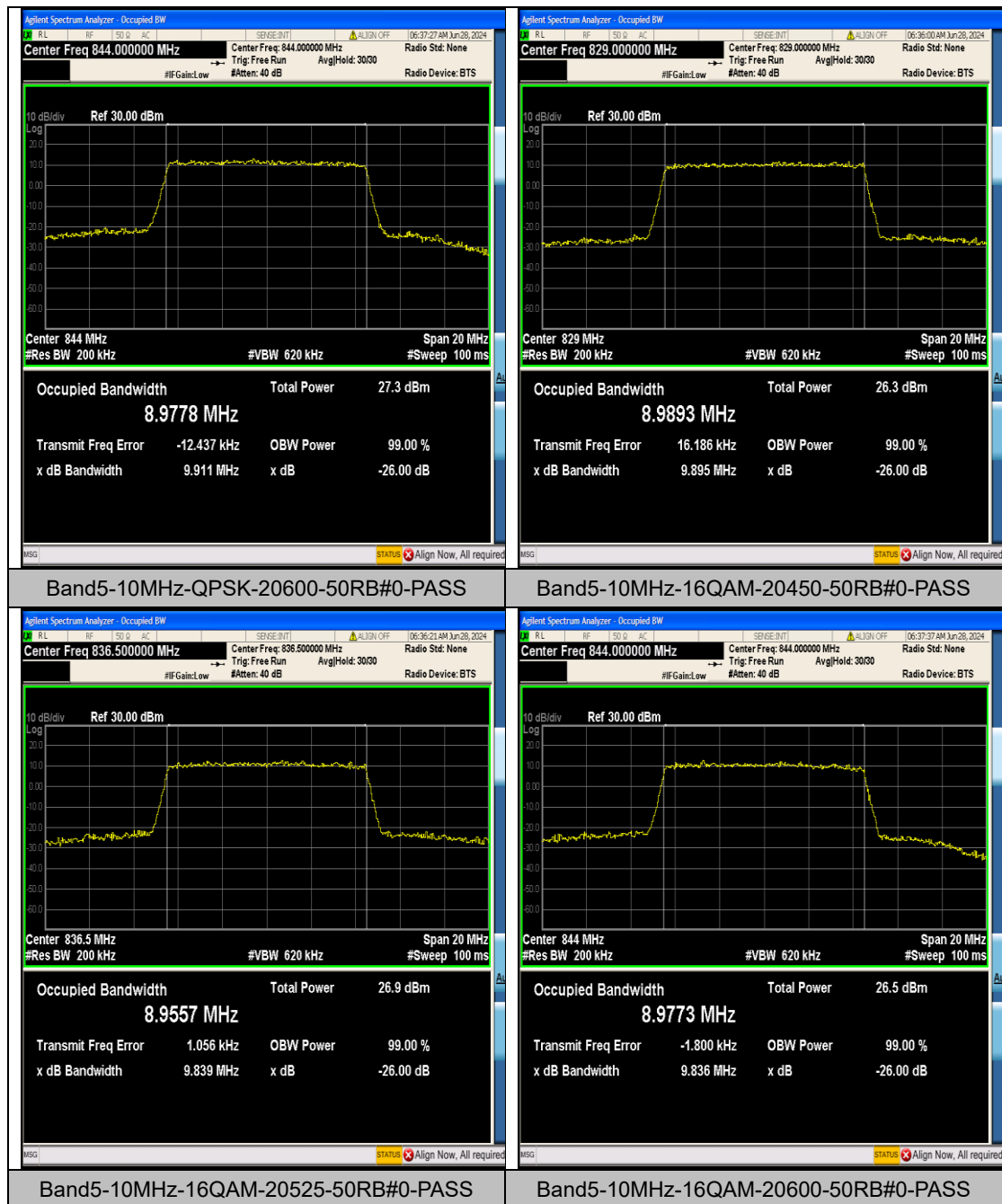










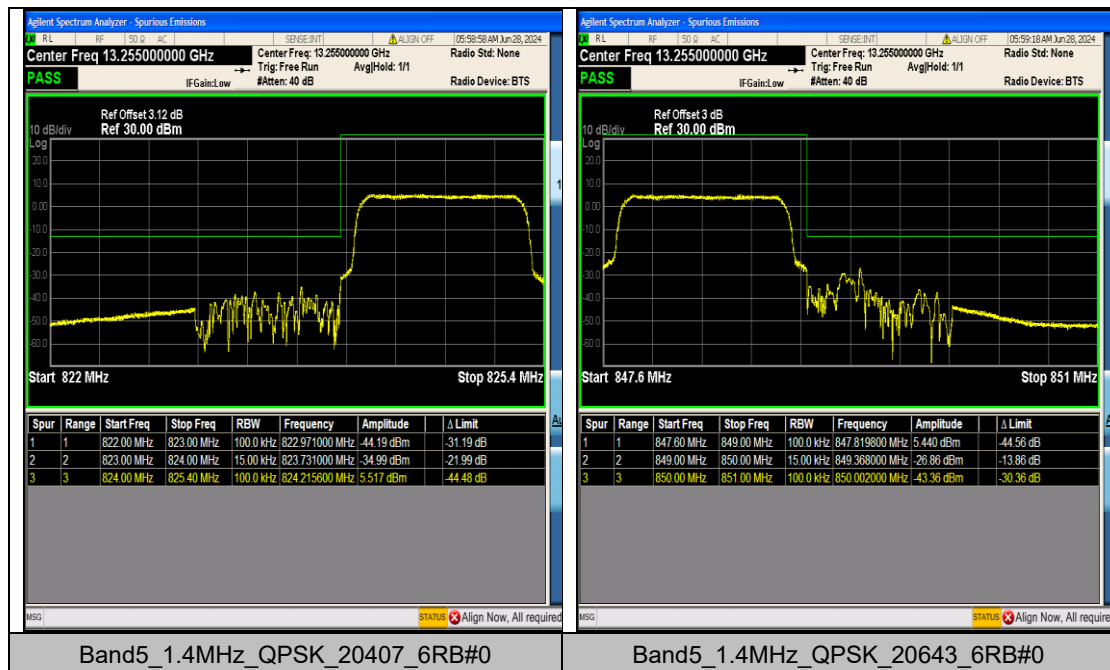


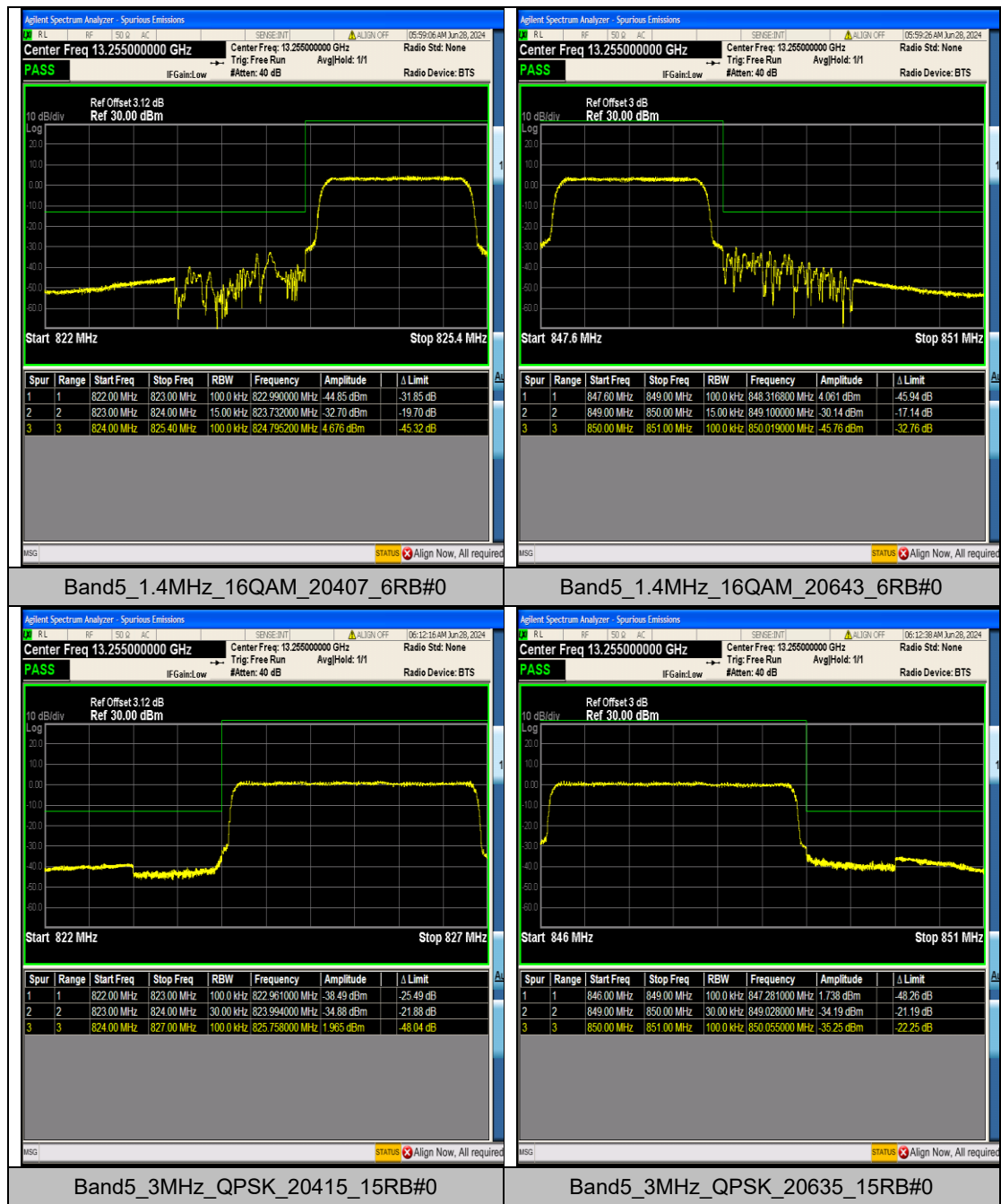
Appendix D: Band Edge

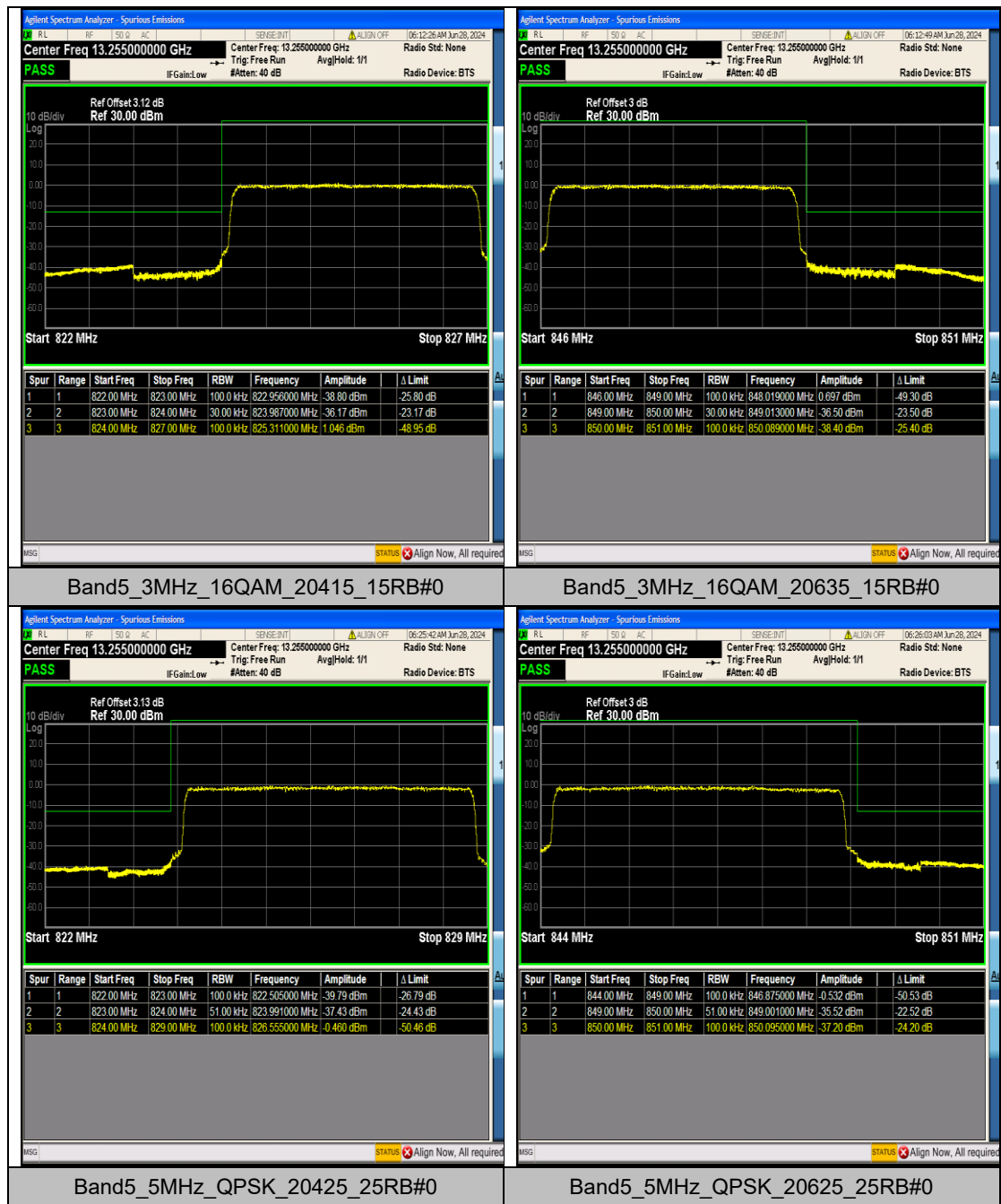
Test Result

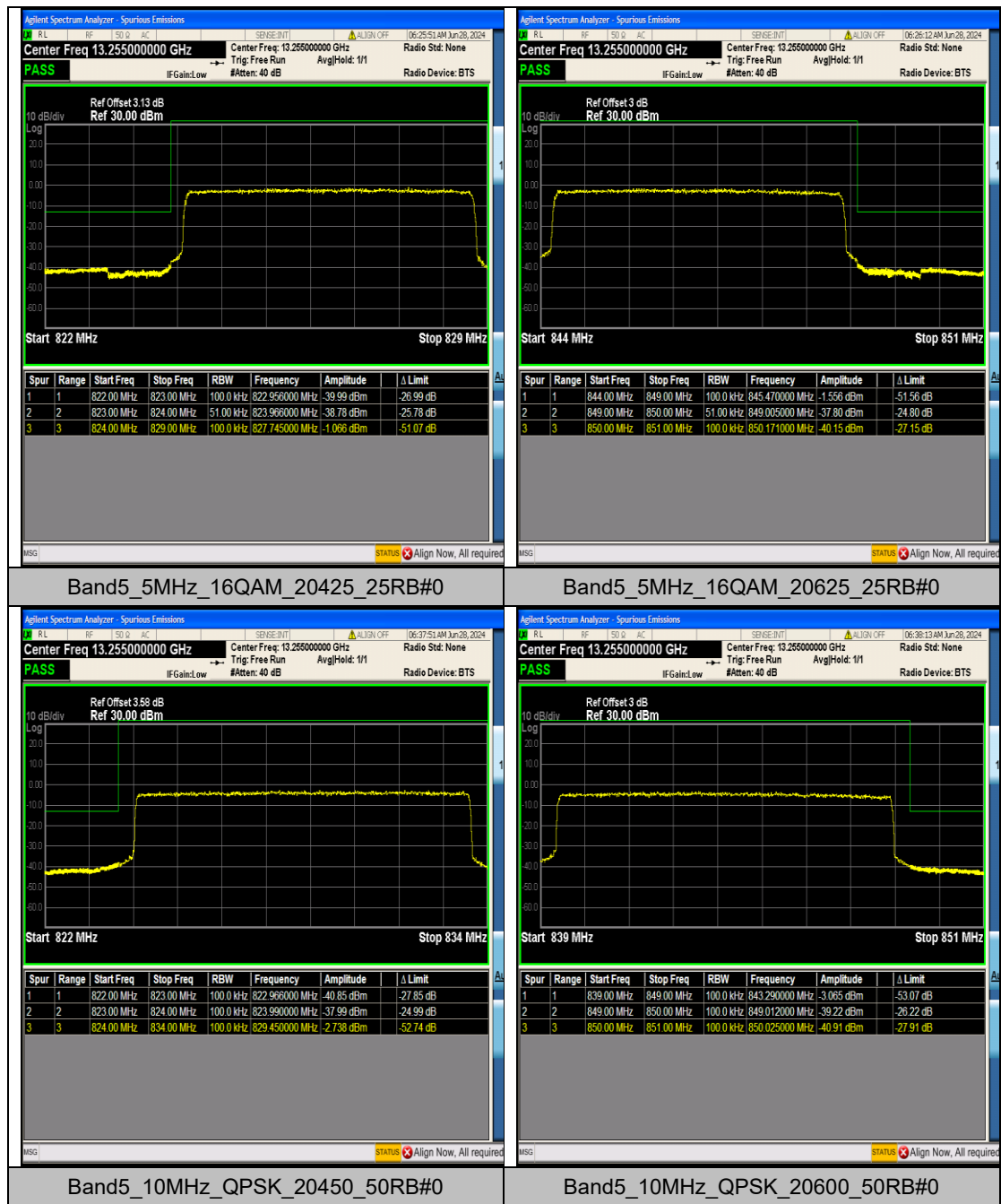
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-34.99	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-26.86	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-32.70	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.14	PASS
Band5	3MHz	QPSK	20415	15RB#0	-34.88	PASS
Band5	3MHz	QPSK	20635	15RB#0	-34.19	PASS
Band5	3MHz	16QAM	20415	15RB#0	-36.17	PASS
Band5	3MHz	16QAM	20635	15RB#0	-36.50	PASS
Band5	5MHz	QPSK	20425	25RB#0	-37.43	PASS
Band5	5MHz	QPSK	20625	25RB#0	-35.52	PASS
Band5	5MHz	16QAM	20425	25RB#0	-38.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	-37.80	PASS
Band5	10MHz	QPSK	20450	50RB#0	-37.99	PASS
Band5	10MHz	QPSK	20600	50RB#0	-39.22	PASS
Band5	10MHz	16QAM	20450	50RB#0	-40.49	PASS
Band5	10MHz	16QAM	20600	50RB#0	-42.18	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	-46.32	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-57.18	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-52.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-50.19	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.93	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-48.64	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-57.41	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-55.82	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-50.26	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.81	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-48.34	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-57.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-51.37	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-51.19	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-49.82	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-48.99	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-58.16	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-55.05	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-50.65	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-49.52	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-49.02	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-58.70	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.80	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-50.85	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-49.47	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-50.43	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-57.95	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-53.70	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-51.77	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-49.03	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-59.80	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-53.54	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-52.07	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-50.16	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.81	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-59.36	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-54.78	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-52.15	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.85	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-47.48	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-57.21	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-52.80	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.53	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-48.82	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-57.34	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-55.36	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.71	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-49.83	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-44.28	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-57.39	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-56.14	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.42	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.95	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-47.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-58.89	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-55.14	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.68	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-49.51	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-46.59	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-57.61	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-54.71	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.71	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-49.98	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-46.51	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-57.54	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-56.96	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.28	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.66	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-47.37	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-60.66	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-54.71	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.50	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.71	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-48.01	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-57.26	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-57.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.45	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.84	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-45.98	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.27	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-59.10	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.43	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-50.25	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-47.40	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-59.51	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-56.29	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.26	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-50.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-47.84	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-58.47	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-64.82	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.66	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-50.95	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-58.90	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-57.68	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.65	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-50.24	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-47.56	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-60.50	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-57.72	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.46	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.96	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-47.80	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-58.26	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-64.99	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.86	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.93	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-47.40	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-57.81	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-61.79	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.35	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.94	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-47.98	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-58.10	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-60.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-51.87	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.56	PASS

Test Graphs

