

FCC LTE Band Test Data

FCC ID : **2BM3M-NB55**

Company: : **Shenzhen Tongliang Intelligent Technology Co.,Ltd**

EUT : **Handheld POS**

Model Number : **NB55**

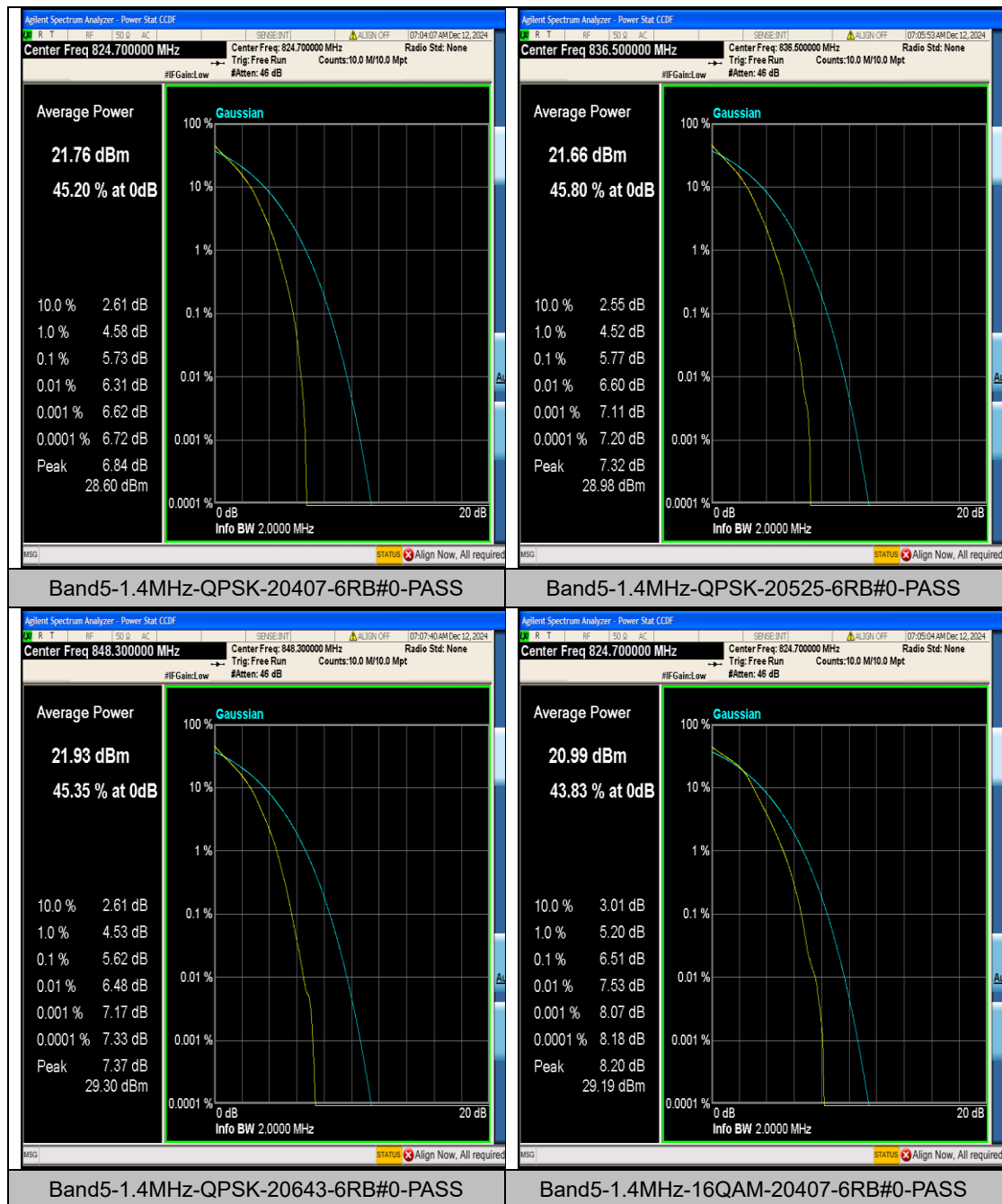
Reviewed By : **Eric Wang**

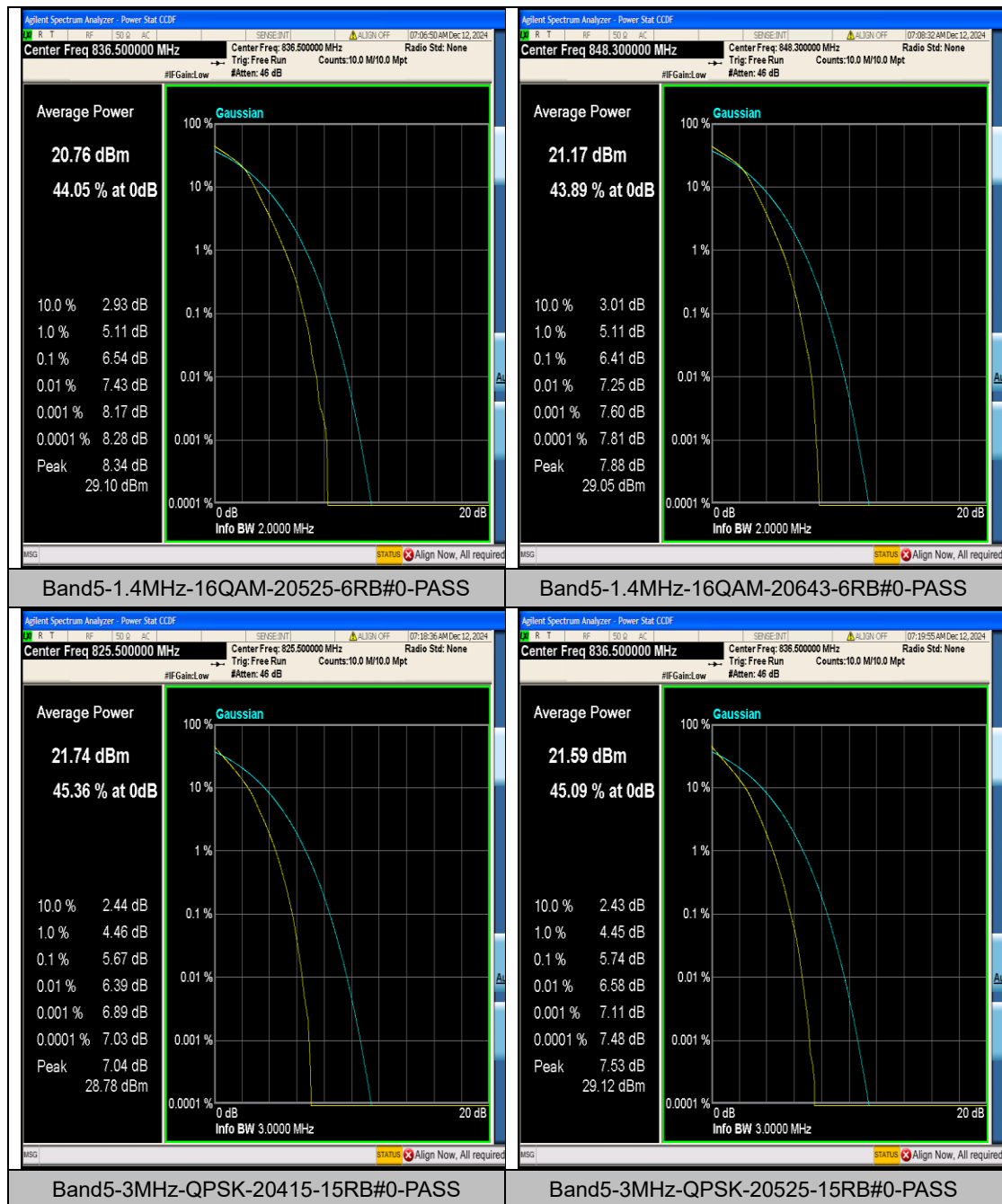
Appendix B: Peak-to-Average Ratio(CCDF)

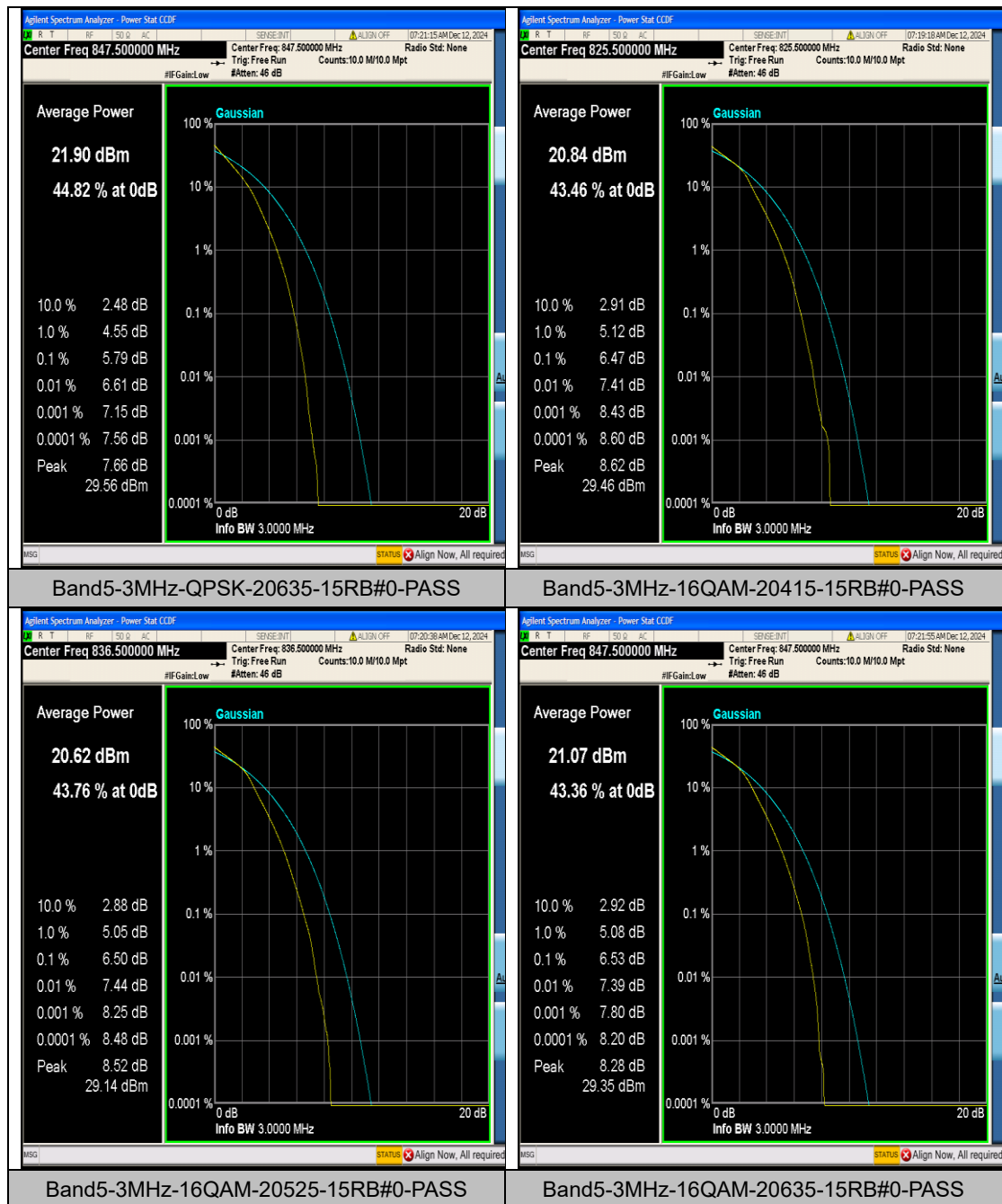
Test Result

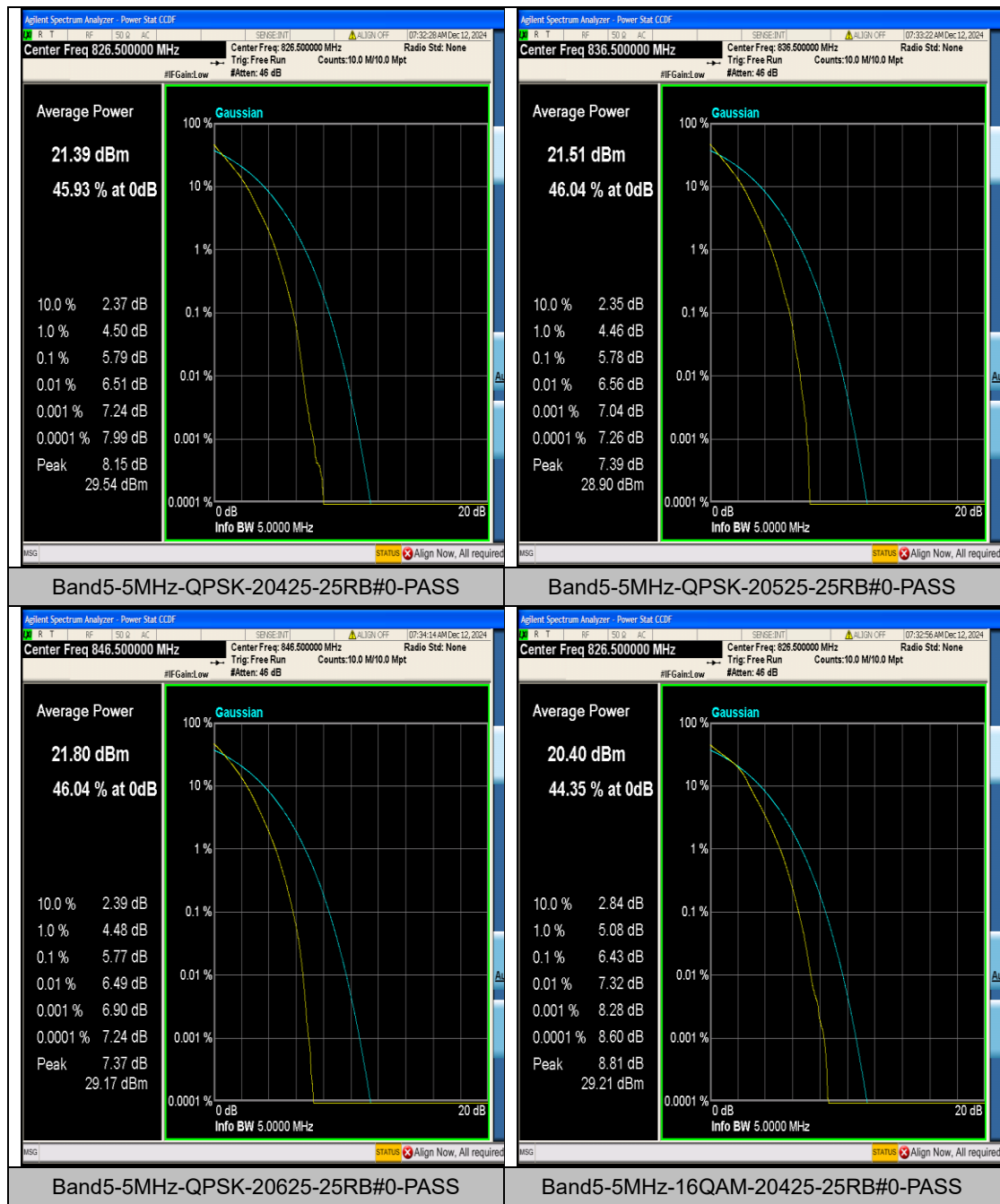
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.73	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.62	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.51	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.54	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.41	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.67	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.74	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.79	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.47	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.50	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.53	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.79	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.77	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.43	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.41	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.42	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.75	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.45	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.46	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.51	13	PASS

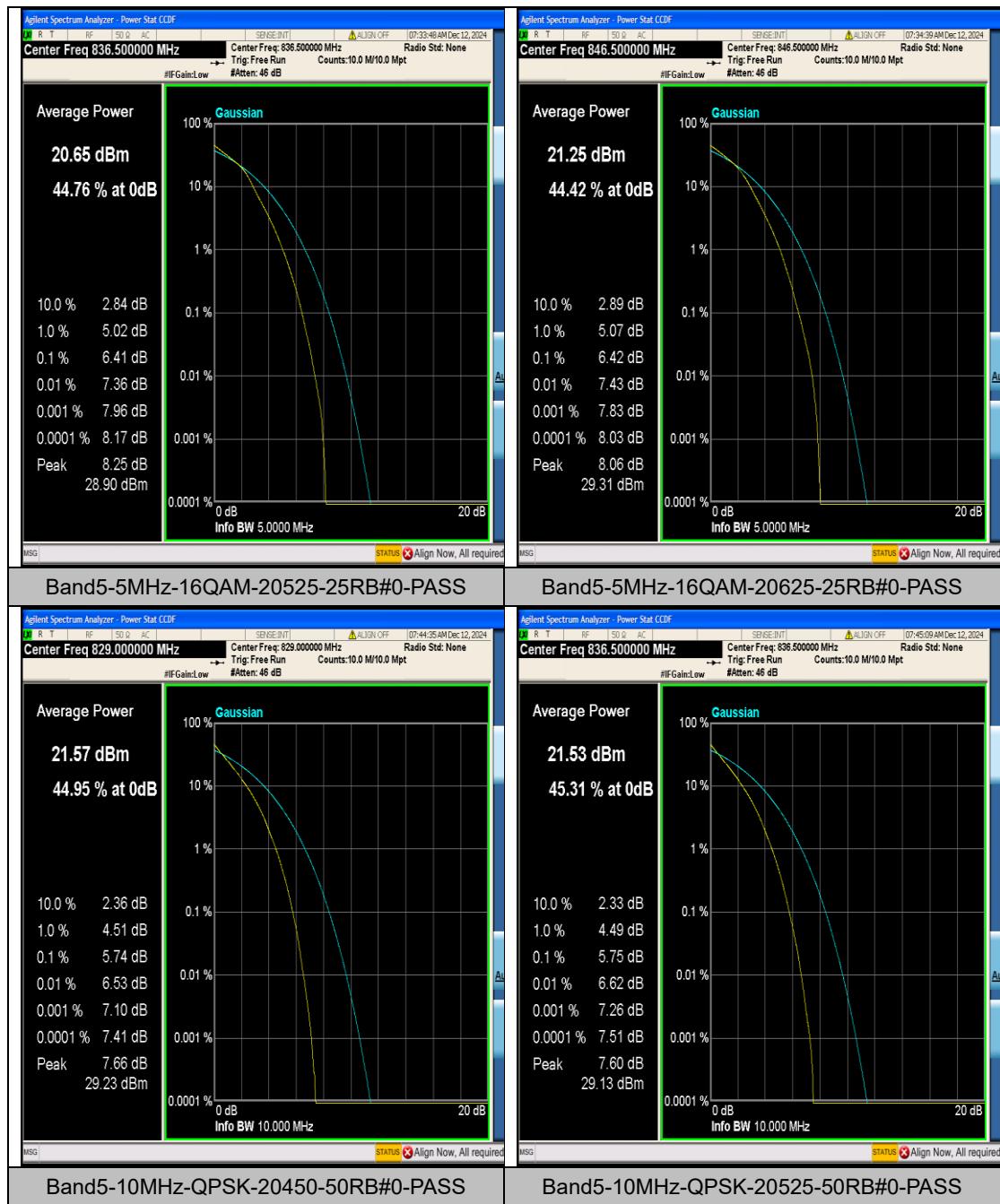
Test Graphs

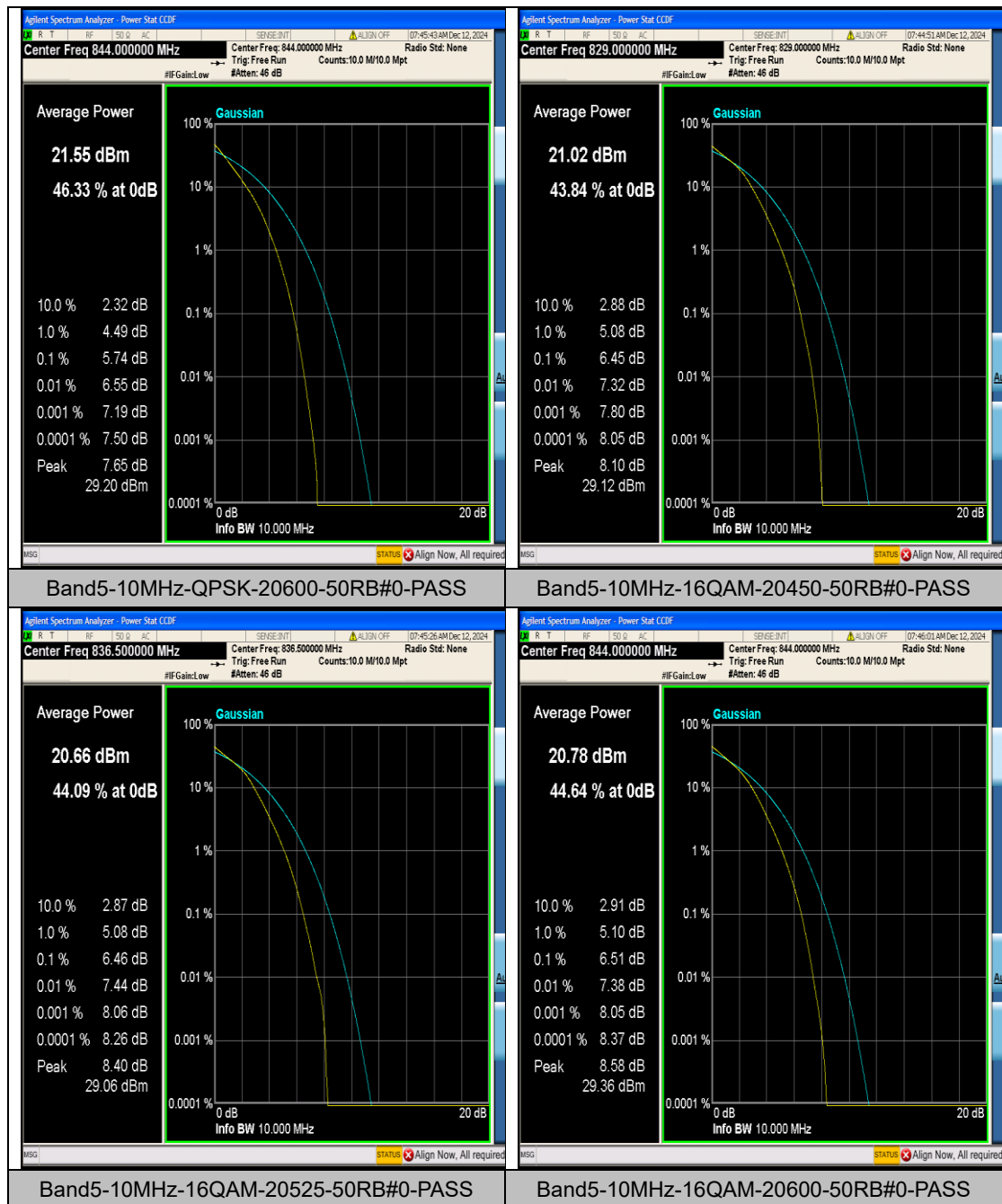










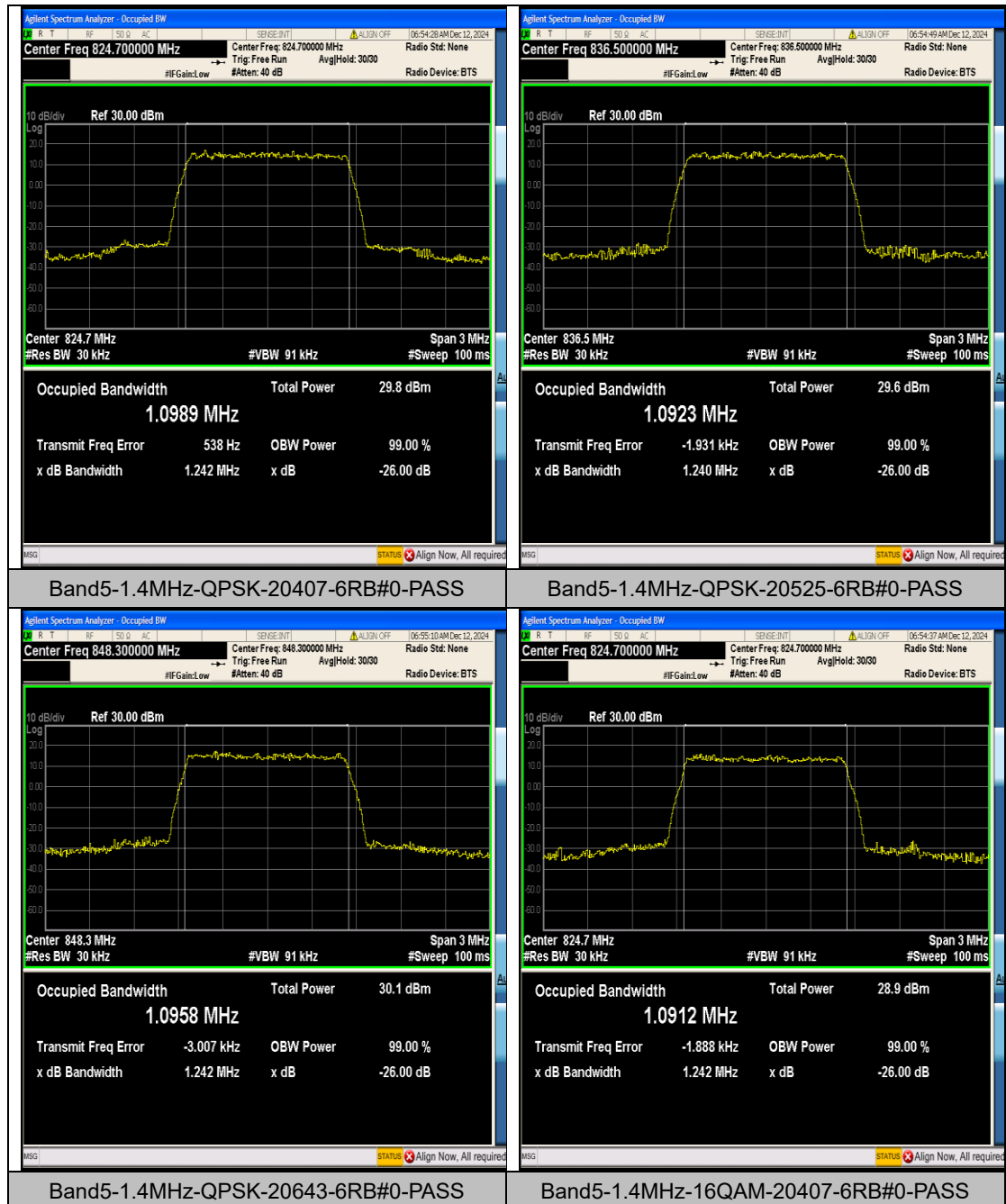


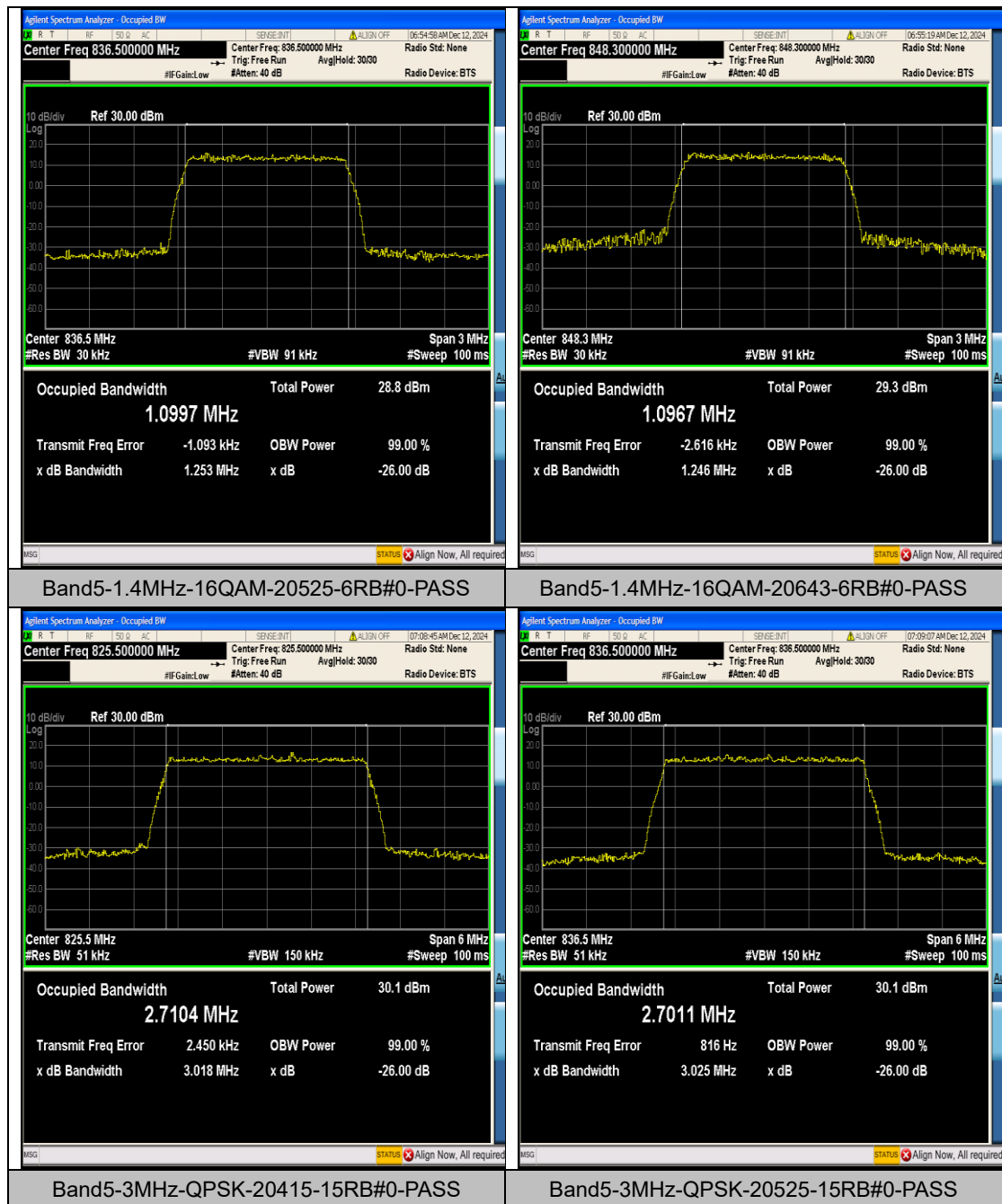
Appendix C: 26dB Bandwidth and Occupied Bandwidth

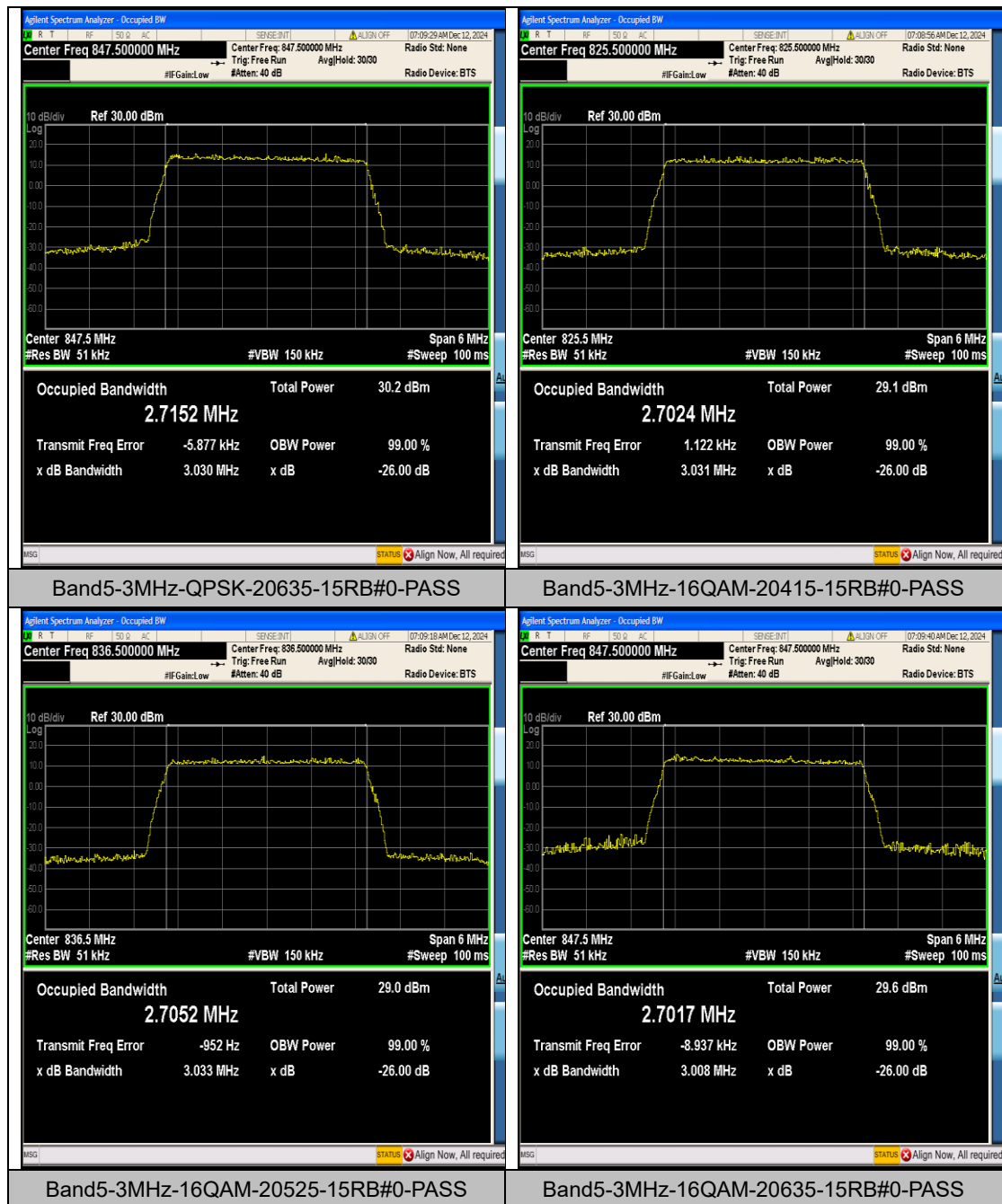
Test Result

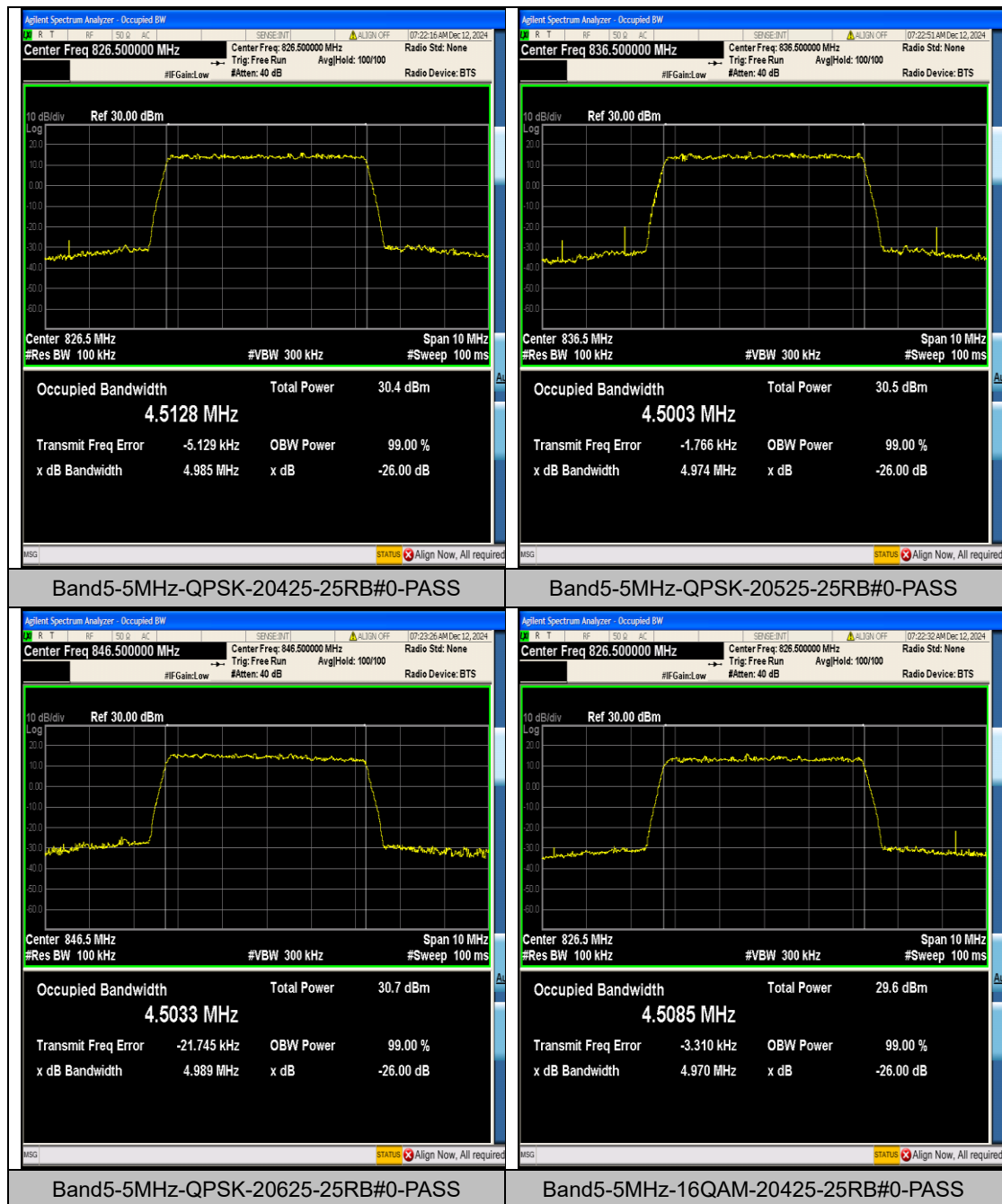
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0989	1.242	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0923	1.240	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0958	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0912	1.242	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0997	1.253	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0967	1.246	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7104	3.018	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7011	3.025	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7152	3.030	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7024	3.031	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7052	3.033	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7017	3.008	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5128	4.985	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5003	4.974	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5033	4.989	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5085	4.970	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5080	4.972	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5199	4.988	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0000	9.886	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0105	9.900	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9335	9.820	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9909	9.894	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9872	9.932	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9684	9.870	PASS

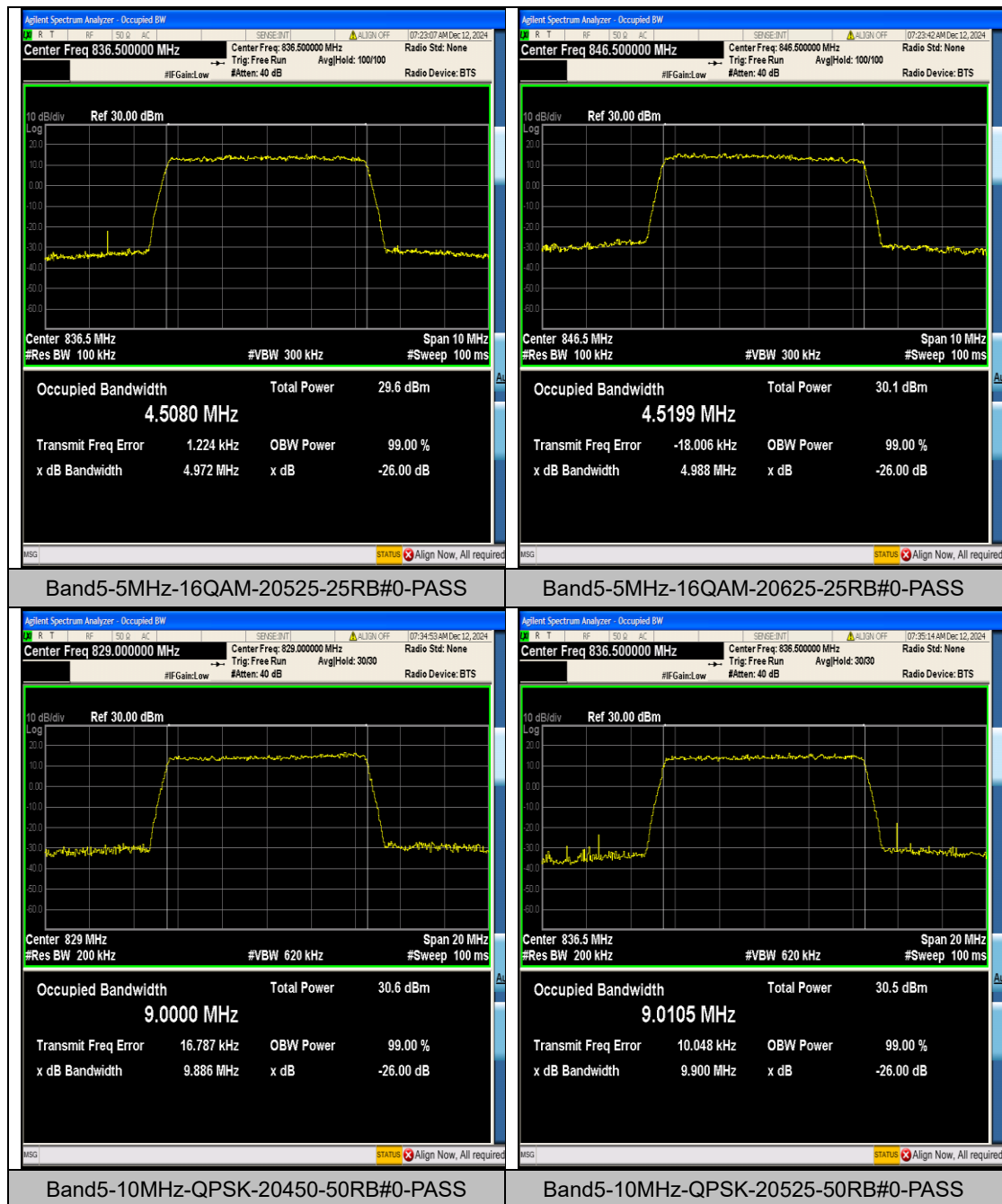
Test Graphs

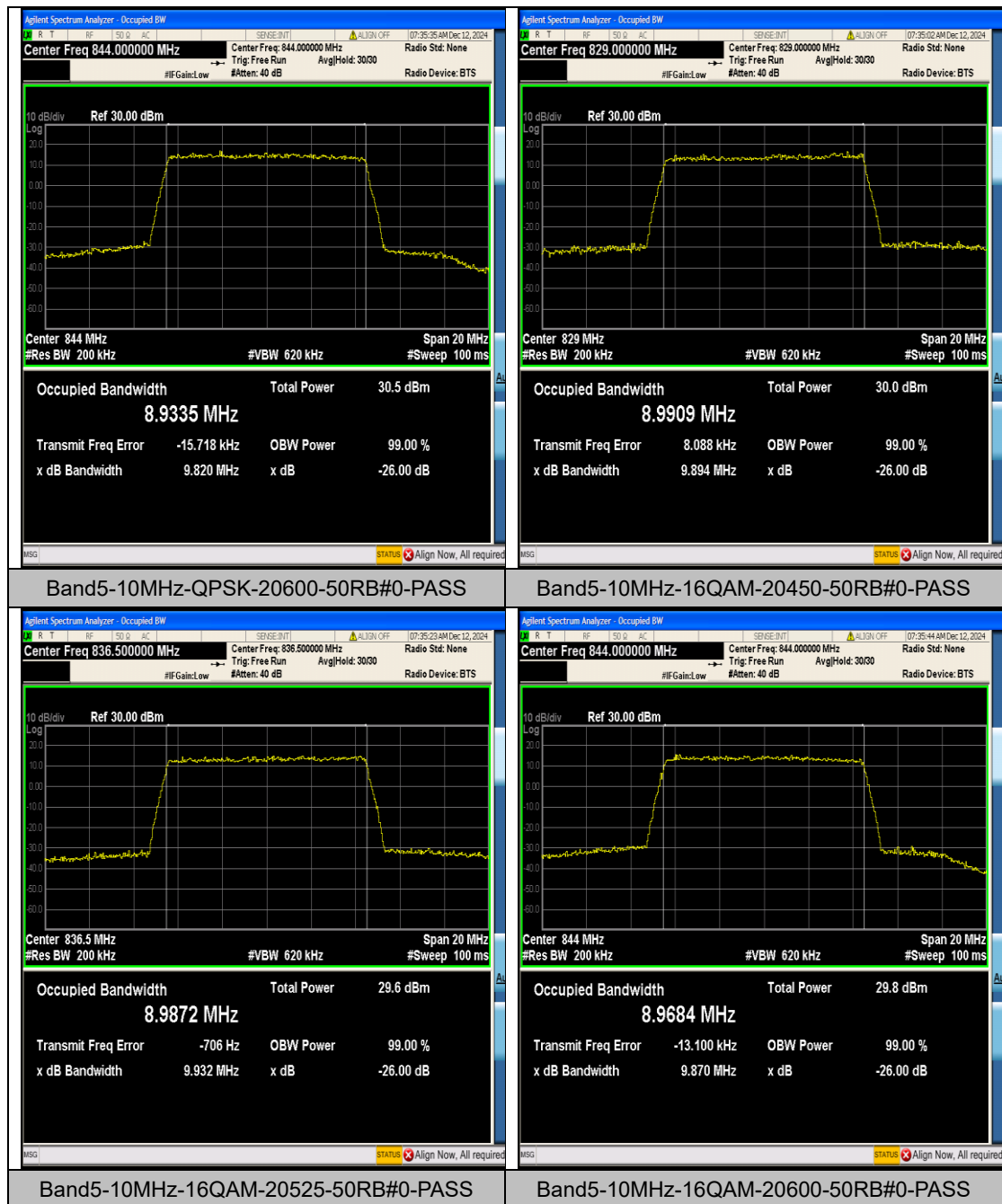










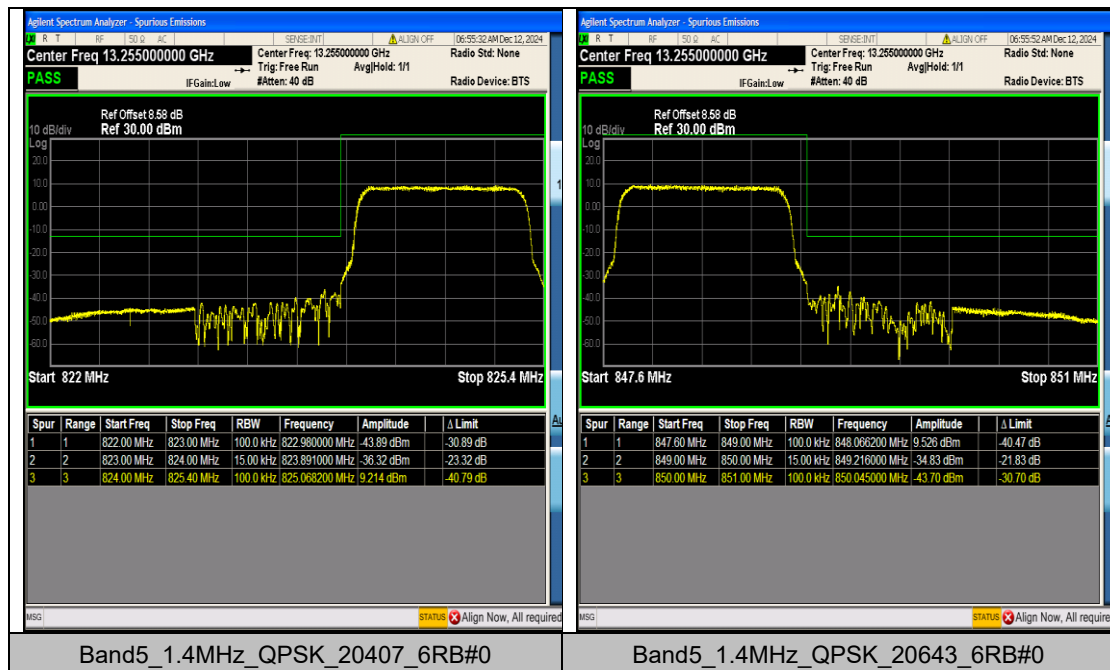


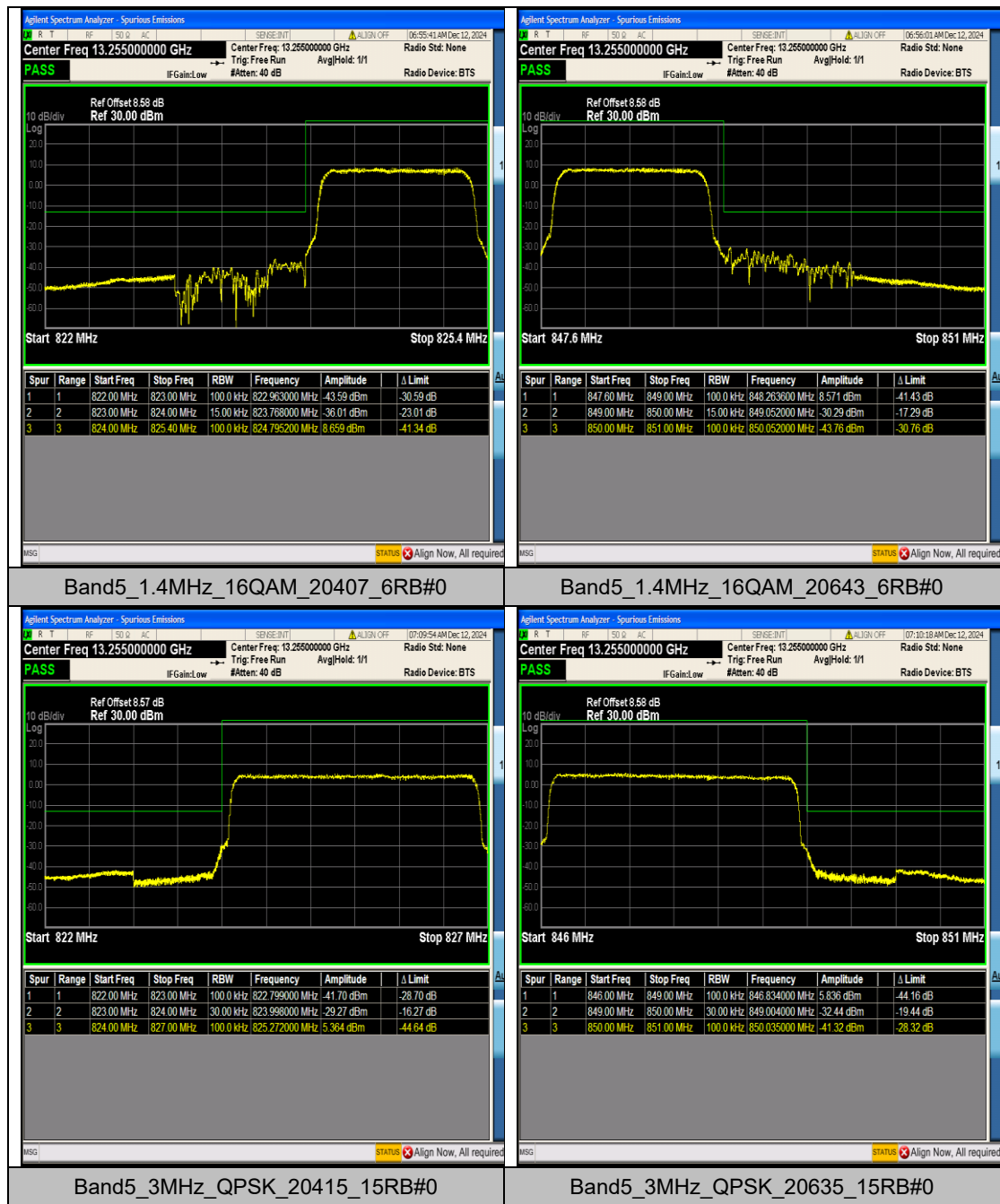
Appendix D: Band Edge

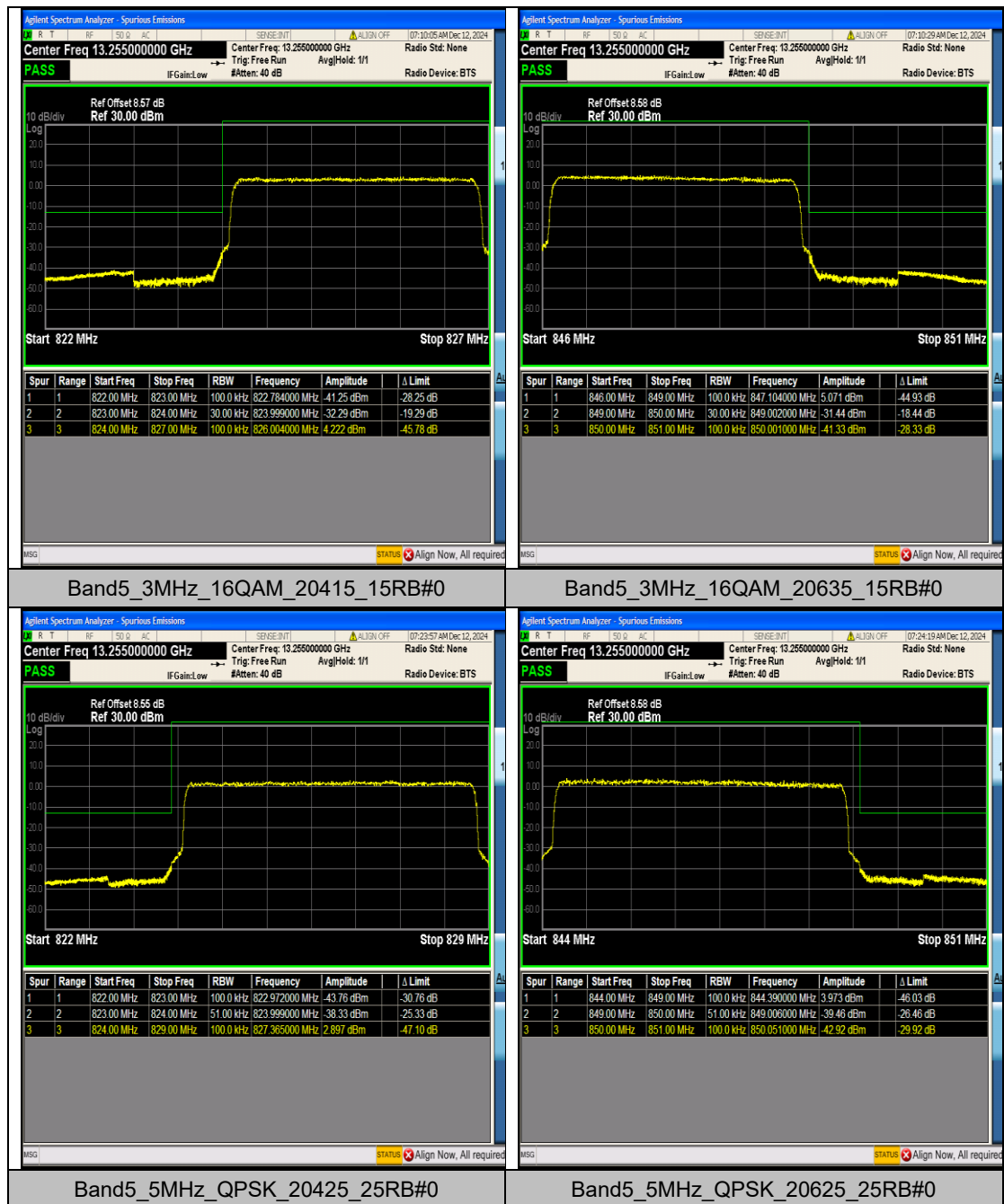
Test Result

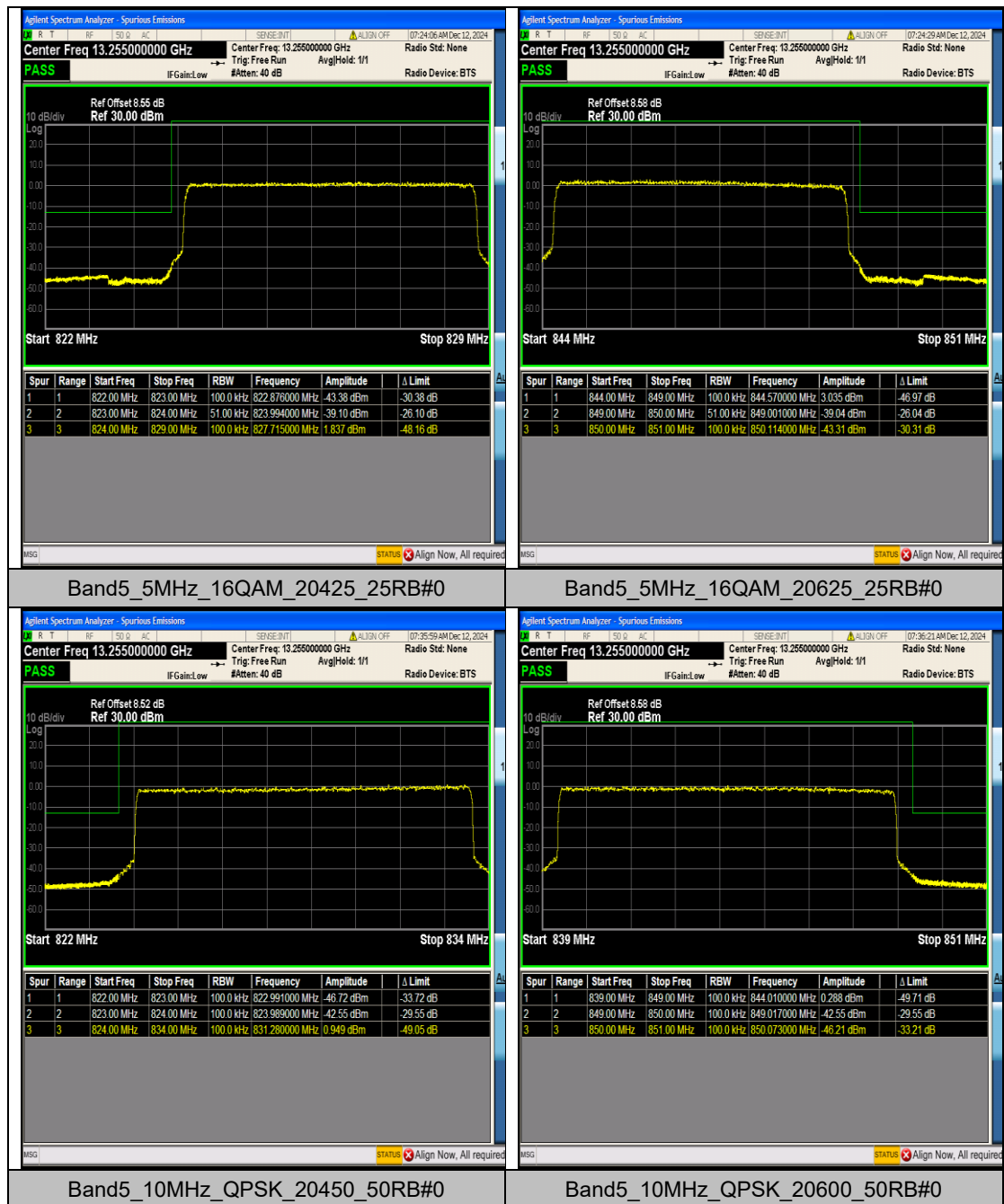
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-36.32	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-36.01	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.29	PASS
Band5	3MHz	QPSK	20415	15RB#0	-29.27	PASS
Band5	3MHz	QPSK	20635	15RB#0	-32.44	PASS
Band5	3MHz	16QAM	20415	15RB#0	-32.29	PASS
Band5	3MHz	16QAM	20635	15RB#0	-31.44	PASS
Band5	5MHz	QPSK	20425	25RB#0	-38.33	PASS
Band5	5MHz	QPSK	20625	25RB#0	-39.46	PASS
Band5	5MHz	16QAM	20425	25RB#0	-39.10	PASS
Band5	5MHz	16QAM	20625	25RB#0	-39.04	PASS
Band5	10MHz	QPSK	20450	50RB#0	-42.55	PASS
Band5	10MHz	QPSK	20600	50RB#0	-42.55	PASS
Band5	10MHz	16QAM	20450	50RB#0	-43.18	PASS
Band5	10MHz	16QAM	20600	50RB#0	-43.36	PASS

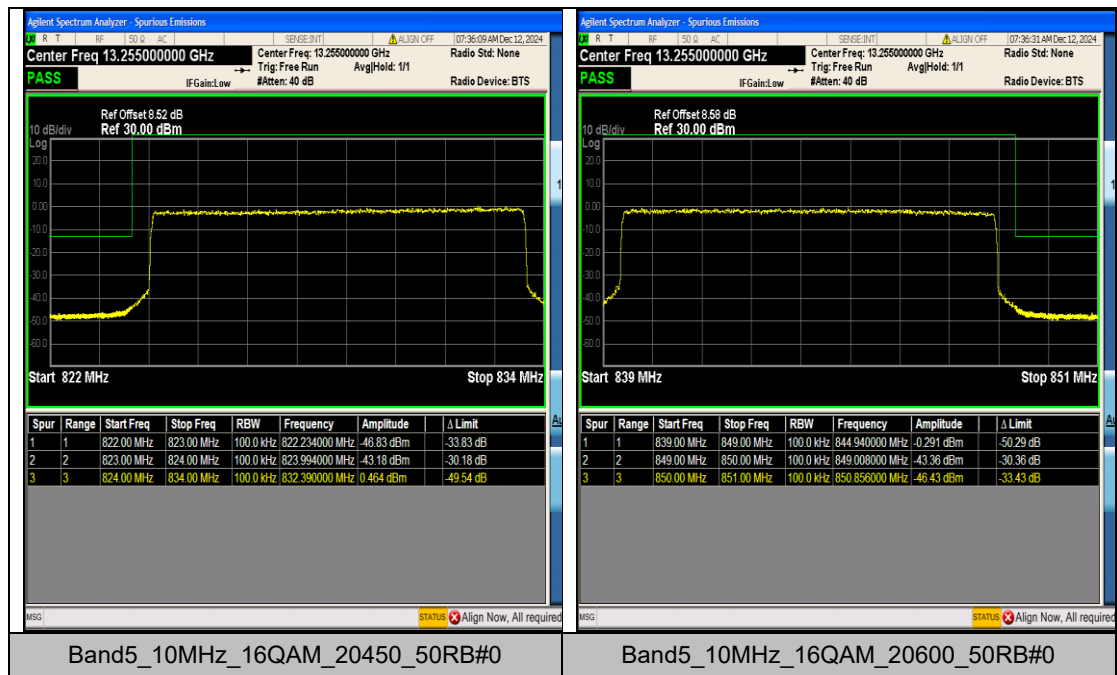
Test Graphs











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	-41.77	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-53.05	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-53.84	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-46.65	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-43.50	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-41.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-54.19	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-56.58	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-45.49	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-43.42	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-37.62	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-54.65	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-48.49	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-46.80	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-43.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-41.19	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-54.15	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-54.90	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-46.43	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-43.81	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-42.49	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-53.26	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-58.37	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-46.75	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-43.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-54.09	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-51.21	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-46.83	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-43.13	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-41.36	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.96	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-52.29	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-47.18	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.55	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-41.61	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-53.12	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-55.67	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-46.75	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-43.53	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-42.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-53.56	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-51.82	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-47.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-40.91	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-54.06	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-53.83	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-47.03	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-42.33	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-43.37	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-53.36	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-57.11	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.80	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-43.43	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-42.05	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-51.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-52.13	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.52	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-43.64	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-43.82	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-51.72	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-55.07	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-47.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-43.43	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-41.40	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-53.47	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-57.84	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-47.12	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-43.28	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-39.90	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-53.30	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-55.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.99	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.31	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-37.59	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-52.65	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-47.85	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.98	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-43.48	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-41.41	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-52.63	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-57.20	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-46.83	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-43.43	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-41.83	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-54.17	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-55.24	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-46.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-43.05	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-41.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-55.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-61.85	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-46.84	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-43.26	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-41.35	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-53.61	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-58.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-47.07	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-43.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-37.87	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-55.72	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-58.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.91	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-43.68	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-40.00	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-53.66	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-61.73	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.67	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.41	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-37.76	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-52.87	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-59.12	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-47.03	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-43.69	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-42.86	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-53.44	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-58.81	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-47.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.63	PASS

Test Graphs

