

FCC LTE Band Test Data

FCC ID : **2BL6S-MA9108**

Company: : **Sieva Networks**

EUT : **4G Dash Camera**

Model Number : **MA9108**

Reviewed By : **Eric Wang**

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.98	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.12	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.68	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.67	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.99	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	20.74	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.76	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.12	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.32	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.05	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	20.07	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.27	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.27	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.22	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.16	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.19	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	20.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	20.72	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	20.86	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.50	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	20.44	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.68	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	19.76	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	20.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.01	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.06	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.01	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	19.80	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	19.30	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.18	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	23.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.13	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.01	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.05	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.98	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.14	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.46	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.39	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.97	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.73	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.74	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.50	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.17	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.22	PASS
Band5	3MHz	QPSK	20525	1RB#8	20.61	PASS
Band5	3MHz	QPSK	20525	1RB#14	20.40	PASS
Band5	3MHz	QPSK	20525	8RB#0	19.64	PASS
Band5	3MHz	QPSK	20525	8RB#4	19.76	PASS
Band5	3MHz	QPSK	20525	8RB#7	19.54	PASS
Band5	3MHz	QPSK	20525	15RB#0	19.56	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.93	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.06	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.91	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.80	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.86	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.92	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.41	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.32	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.92	PASS
Band5	3MHz	16QAM	20415	8RB#0	19.73	PASS
Band5	3MHz	16QAM	20415	8RB#4	19.71	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.11	PASS
Band5	3MHz	16QAM	20525	1RB#0	19.87	PASS
Band5	3MHz	16QAM	20525	1RB#8	19.50	PASS
Band5	3MHz	16QAM	20525	1RB#14	19.33	PASS
Band5	3MHz	16QAM	20525	8RB#0	18.98	PASS
Band5	3MHz	16QAM	20525	8RB#4	19.04	PASS
Band5	3MHz	16QAM	20525	8RB#7	18.69	PASS
Band5	3MHz	16QAM	20525	15RB#0	18.80	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.68	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.11	PASS

Band5	3MHz	16QAM	20635	1RB#14	22.94	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.77	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.75	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.94	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.78	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.73	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.07	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.84	PASS
Band5	5MHz	QPSK	20425	12RB#0	20.97	PASS
Band5	5MHz	QPSK	20425	12RB#6	20.96	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.22	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.55	PASS
Band5	5MHz	QPSK	20525	1RB#12	20.52	PASS
Band5	5MHz	QPSK	20525	1RB#24	20.55	PASS
Band5	5MHz	QPSK	20525	12RB#0	19.51	PASS
Band5	5MHz	QPSK	20525	12RB#6	19.64	PASS
Band5	5MHz	QPSK	20525	12RB#13	19.36	PASS
Band5	5MHz	QPSK	20525	25RB#0	19.44	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.00	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.99	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.09	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.94	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.89	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.85	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.63	PASS
Band5	5MHz	16QAM	20425	1RB#0	20.60	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.91	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.72	PASS
Band5	5MHz	16QAM	20425	12RB#0	19.87	PASS
Band5	5MHz	16QAM	20425	12RB#6	19.88	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.25	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.68	PASS
Band5	5MHz	16QAM	20525	1RB#0	20.29	PASS
Band5	5MHz	16QAM	20525	1RB#12	19.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	19.56	PASS
Band5	5MHz	16QAM	20525	12RB#0	18.90	PASS
Band5	5MHz	16QAM	20525	12RB#6	18.96	PASS
Band5	5MHz	16QAM	20525	12RB#13	18.48	PASS
Band5	5MHz	16QAM	20525	25RB#0	18.64	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.52	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.87	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.13	PASS

Band5	5MHz	16QAM	20625	12RB#0	20.80	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.77	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.74	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.40	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.75	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.57	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.63	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.81	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.81	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.59	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.78	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.84	PASS
Band5	10MHz	QPSK	20525	1RB#24	20.52	PASS
Band5	10MHz	QPSK	20525	1RB#49	20.91	PASS
Band5	10MHz	QPSK	20525	25RB#0	19.79	PASS
Band5	10MHz	QPSK	20525	25RB#12	19.97	PASS
Band5	10MHz	QPSK	20525	25RB#25	19.42	PASS
Band5	10MHz	QPSK	20525	50RB#0	19.89	PASS
Band5	10MHz	QPSK	20600	1RB#0	20.79	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.14	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.06	PASS
Band5	10MHz	QPSK	20600	25RB#0	19.80	PASS
Band5	10MHz	QPSK	20600	25RB#12	19.80	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.34	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.65	PASS
Band5	10MHz	16QAM	20450	1RB#0	20.72	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.49	PASS
Band5	10MHz	16QAM	20450	1RB#49	20.58	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.67	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.67	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.77	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.56	PASS
Band5	10MHz	16QAM	20525	1RB#24	19.20	PASS
Band5	10MHz	16QAM	20525	1RB#49	19.67	PASS
Band5	10MHz	16QAM	20525	25RB#0	19.15	PASS
Band5	10MHz	16QAM	20525	25RB#12	19.23	PASS
Band5	10MHz	16QAM	20525	25RB#25	18.46	PASS
Band5	10MHz	16QAM	20600	1RB#0	19.54	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.09	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.07	PASS
Band5	10MHz	16QAM	20600	25RB#0	18.71	PASS
Band5	10MHz	16QAM	20600	25RB#12	18.70	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.14	PASS

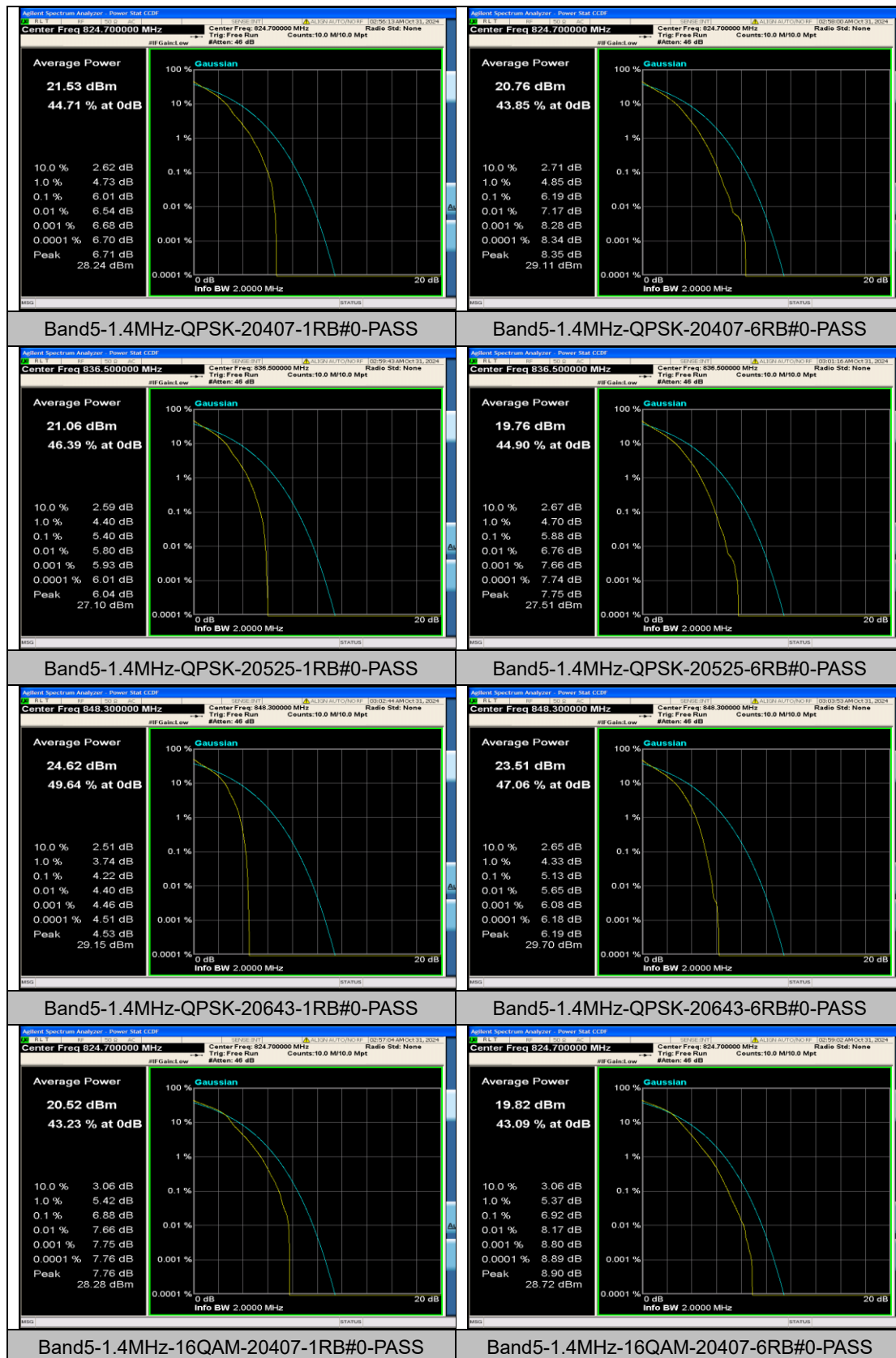
Appendix B: Peak-to-Average Ratio(CCDF)

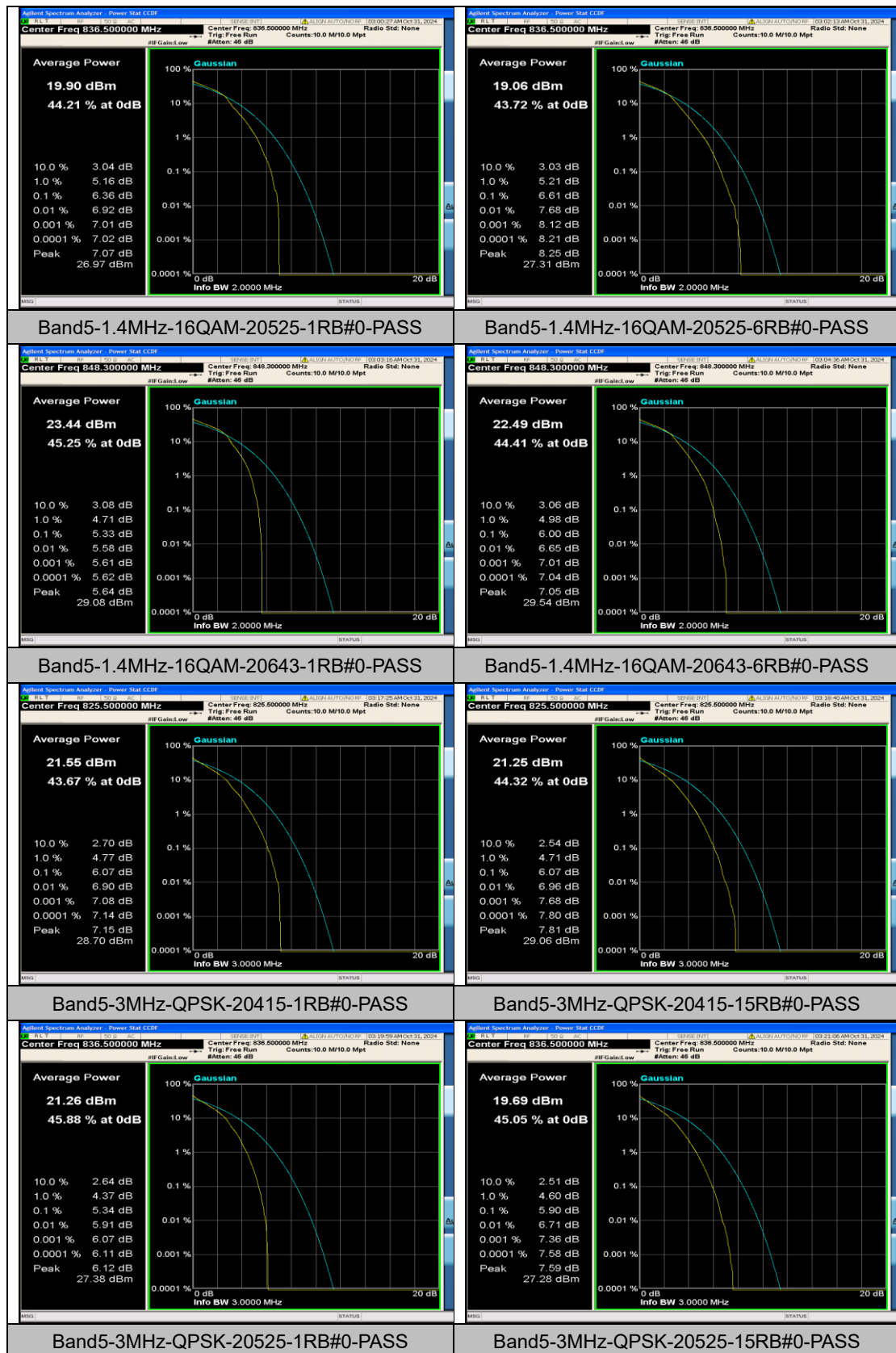
Test Result

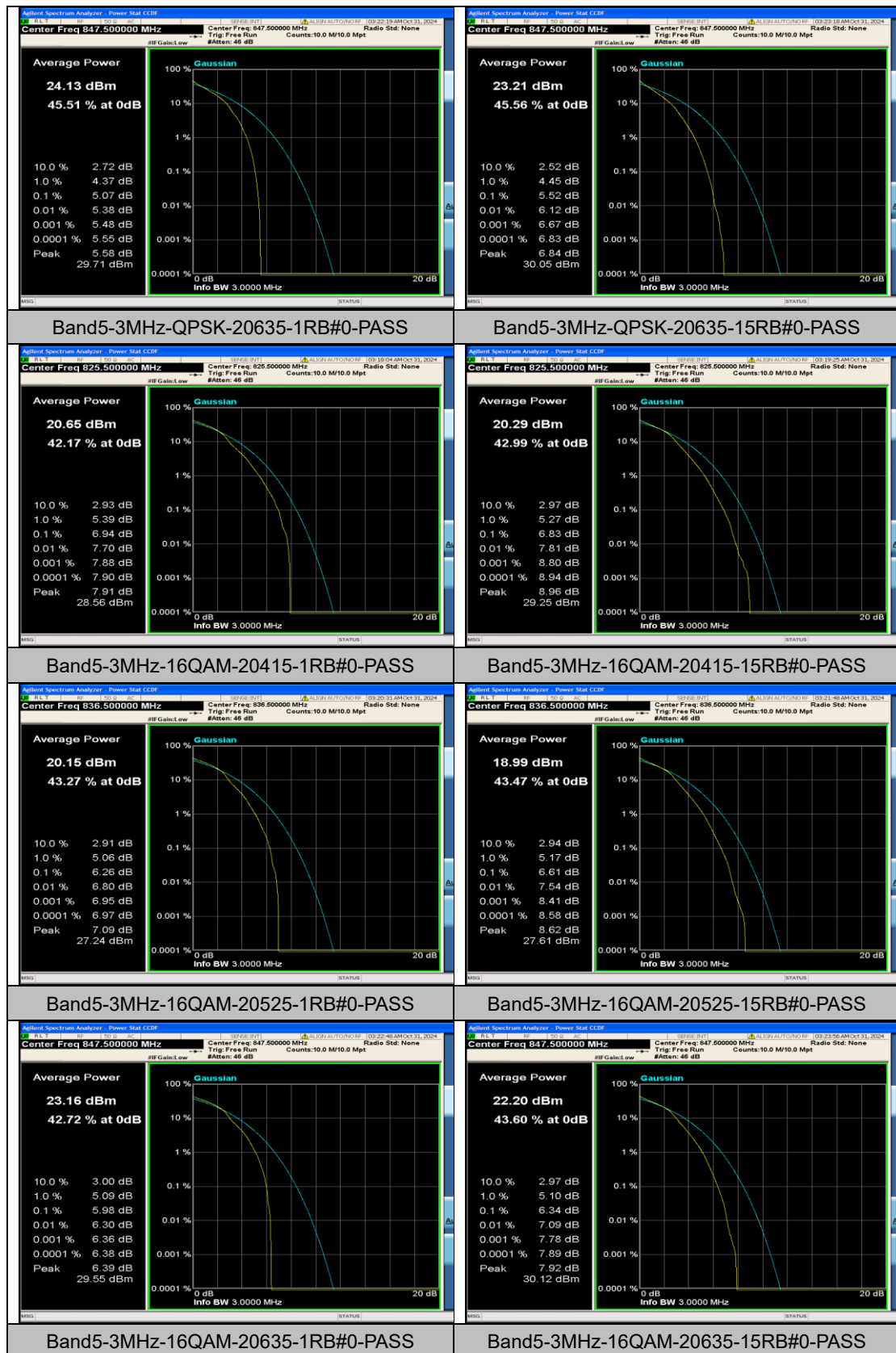
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	6.01	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	6.19	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.40	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.88	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.22	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.13	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.88	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.92	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.36	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.61	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.00	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	6.07	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	6.07	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.90	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.07	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.52	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.94	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.83	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.26	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.61	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.98	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.94	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.17	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.94	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.82	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.45	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.59	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.87	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.53	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.32	13	PASS

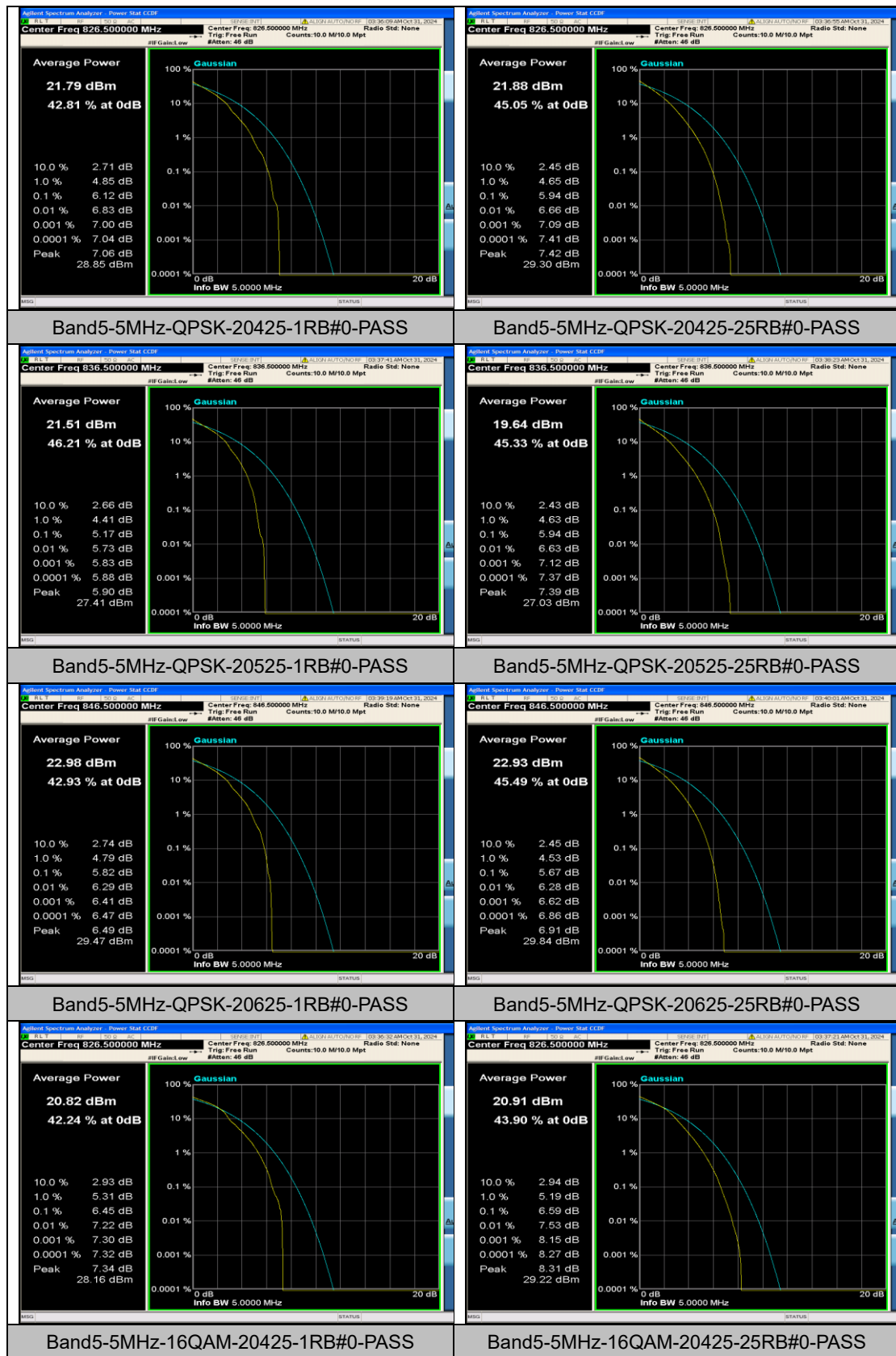
Band5	5MHz	16QAM	20625	25RB#0	6.43	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.97	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.45	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.51	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.88	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.76	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.82	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.61	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.65	13	PASS

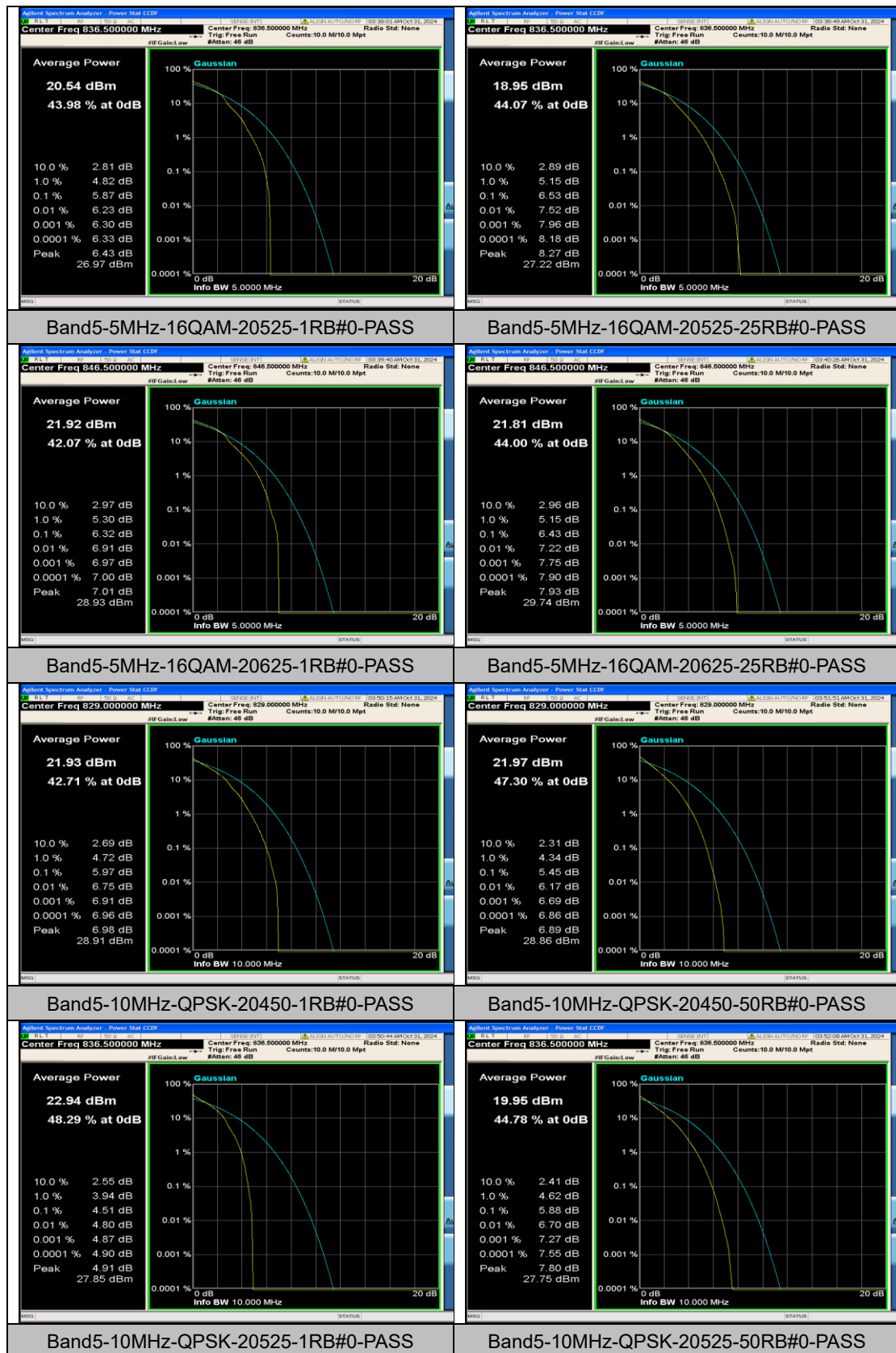
Test Graphs

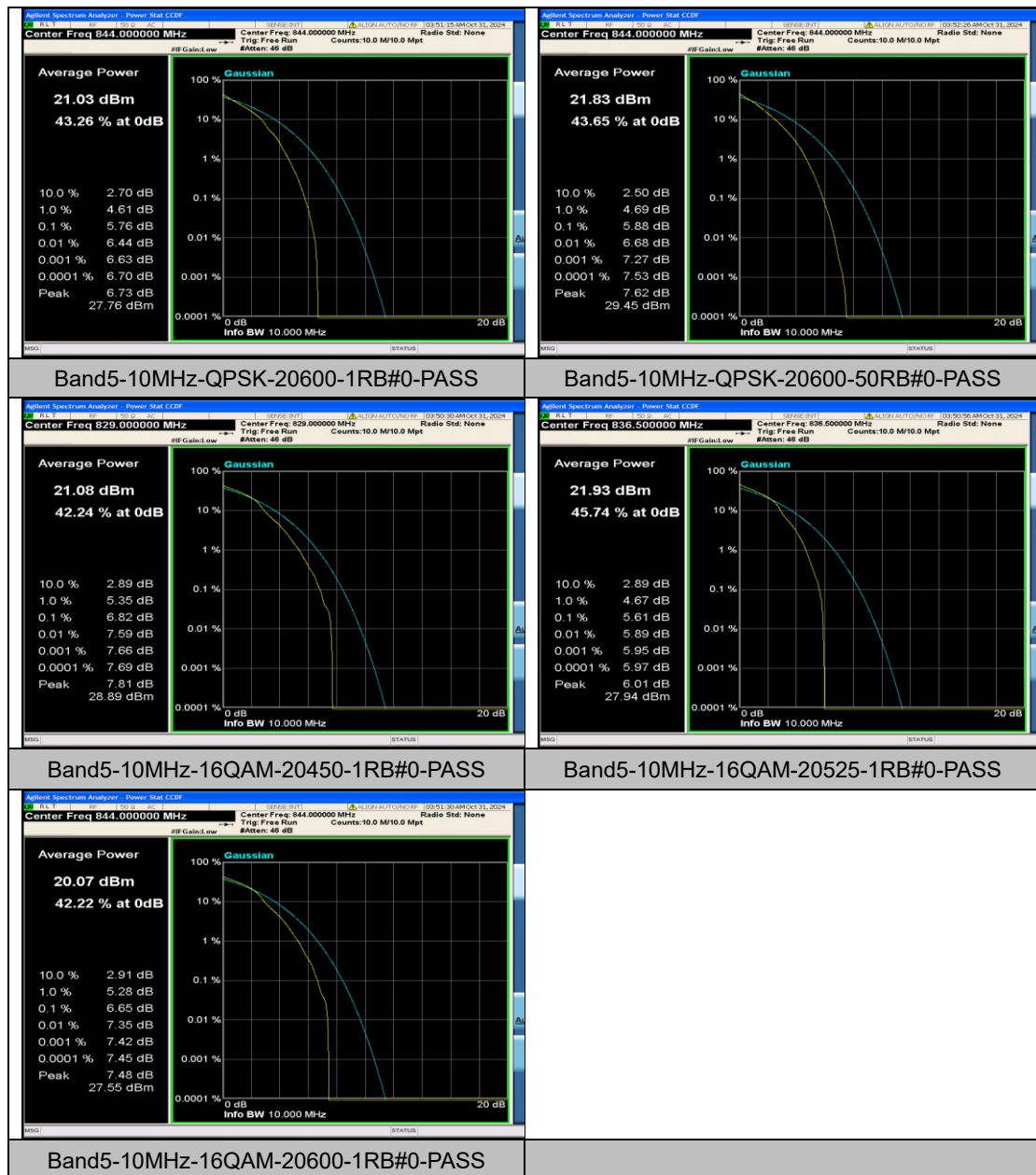










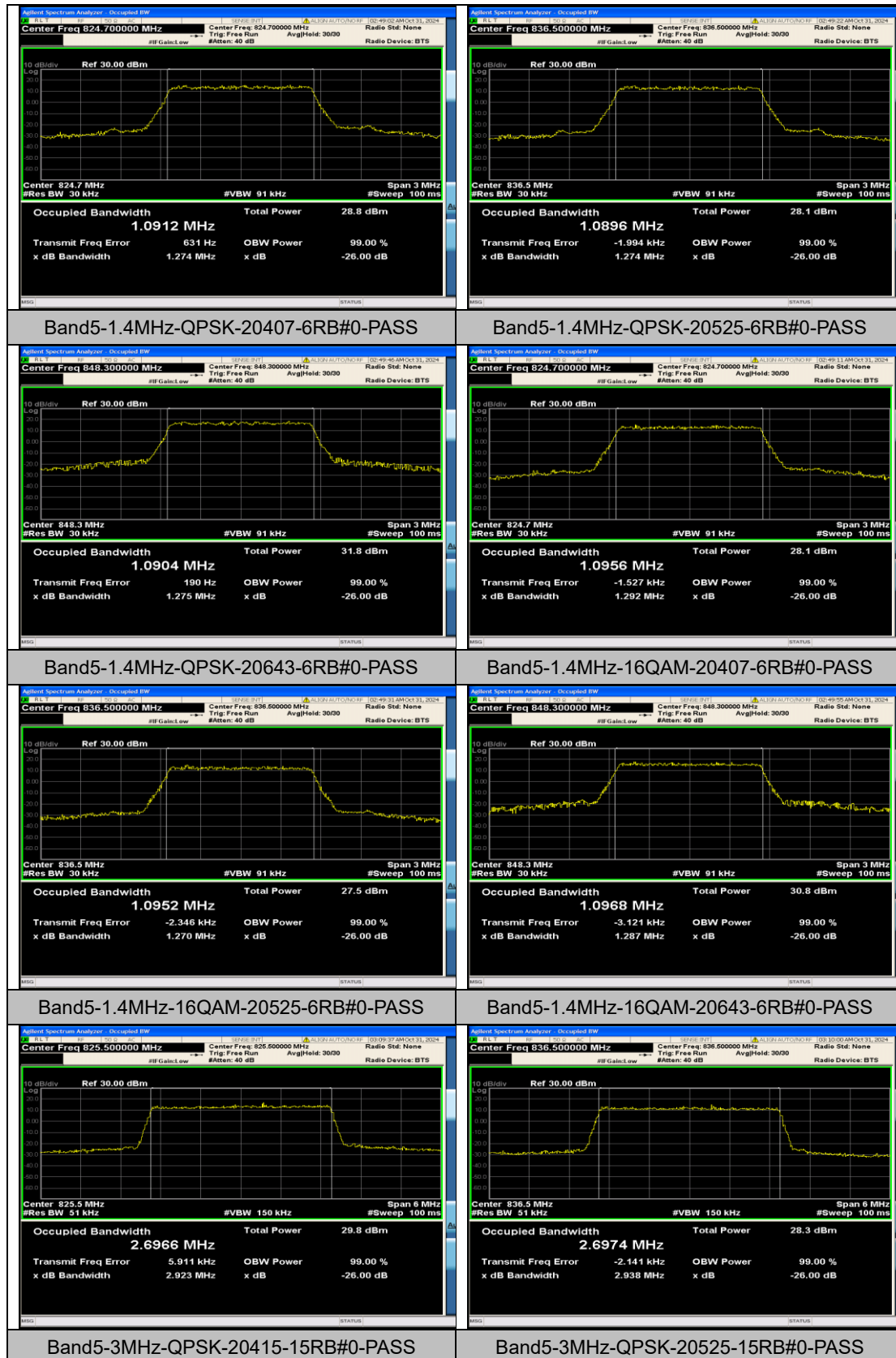


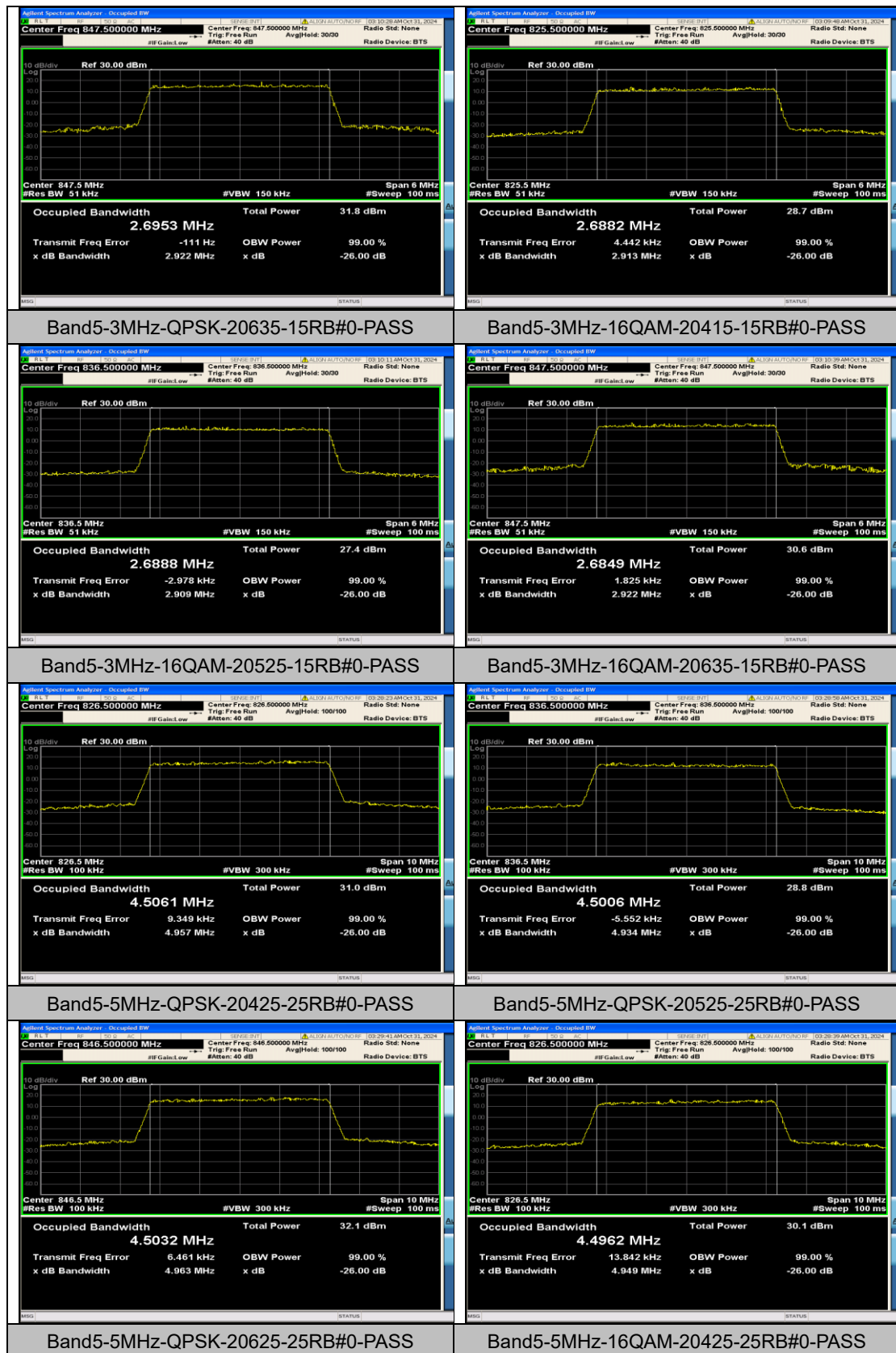
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0912	1.274	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0896	1.274	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0904	1.275	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0956	1.292	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0952	1.270	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0968	1.287	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6966	2.923	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6974	2.938	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6953	2.922	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6882	2.913	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6888	2.909	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6849	2.922	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5061	4.957	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5006	4.934	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5032	4.963	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4962	4.949	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5040	4.994	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4950	4.935	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9222	9.718	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0011	9.786	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9639	9.736	PASS
Band5	10MHz	16QAM	20450	27RB#0	4.9533	5.654	PASS
Band5	10MHz	16QAM	20525	27RB#0	4.9710	5.712	PASS
Band5	10MHz	16QAM	20600	27RB#0	4.9802	5.691	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-29.50	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-26.10	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-29.66	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-28.73	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-25.83	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-30.29	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-33.38	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-31.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-33.68	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-28.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-26.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-28.61	PASS
Band5	3MHz	QPSK	20415	1RB#0	-26.99	PASS
Band5	3MHz	QPSK	20415	1RB#14	-36.55	PASS
Band5	3MHz	QPSK	20415	15RB#0	-33.26	PASS
Band5	3MHz	QPSK	20635	1RB#0	-33.69	PASS
Band5	3MHz	QPSK	20635	1RB#14	-22.14	PASS
Band5	3MHz	QPSK	20635	15RB#0	-32.34	PASS
Band5	3MHz	16QAM	20415	1RB#0	-28.10	PASS
Band5	3MHz	16QAM	20415	1RB#14	-37.23	PASS
Band5	3MHz	16QAM	20415	15RB#0	-34.77	PASS
Band5	3MHz	16QAM	20635	1RB#0	-34.39	PASS
Band5	3MHz	16QAM	20635	1RB#14	-25.00	PASS
Band5	3MHz	16QAM	20635	15RB#0	-34.36	PASS
Band5	5MHz	QPSK	20425	1RB#0	-28.22	PASS
Band5	5MHz	QPSK	20425	1RB#24	-41.30	PASS
Band5	5MHz	QPSK	20425	25RB#0	-33.60	PASS
Band5	5MHz	QPSK	20625	1RB#0	-37.75	PASS
Band5	5MHz	QPSK	20625	1RB#24	-24.31	PASS
Band5	5MHz	QPSK	20625	25RB#0	-30.77	PASS
Band5	5MHz	16QAM	20425	1RB#0	-28.92	PASS
Band5	5MHz	16QAM	20425	1RB#24	-43.00	PASS
Band5	5MHz	16QAM	20425	25RB#0	-35.86	PASS
Band5	5MHz	16QAM	20625	1RB#0	-38.01	PASS
Band5	5MHz	16QAM	20625	1RB#24	-25.25	PASS
Band5	5MHz	16QAM	20625	25RB#0	-33.26	PASS

Band5	10MHz	QPSK	20450	1RB#0	-38.84	PASS
Band5	10MHz	QPSK	20450	1RB#49	-47.33	PASS
Band5	10MHz	QPSK	20450	50RB#0	-37.74	PASS
Band5	10MHz	QPSK	20600	1RB#0	-45.64	PASS
Band5	10MHz	QPSK	20600	1RB#49	-35.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	-32.17	PASS
Band5	10MHz	16QAM	20450	1RB#0	-39.17	PASS
Band5	10MHz	16QAM	20450	1RB#49	-48.12	PASS
Band5	10MHz	16QAM	20600	1RB#0	-45.79	PASS
Band5	10MHz	16QAM	20600	1RB#49	-36.69	PASS

Test Graphs

