

Appendix Test Data for LTE Band 5 (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: AGM

Test Model: M10

FCC ID: 2A3DR-M10

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A:RF output power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.55	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.70	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.62	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.58	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.80	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.07	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.68	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.07	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.66	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.08	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.47	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.82	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.83	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.58	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.97	PASS

Band5	1.4MHz	QPSK	20525	3RB#1	22.56	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.03	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.65	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.05	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.12	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.65	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.23	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.26	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.55	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.16	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.51	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.52	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.69	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.99	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.33	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.59	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.29	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.79	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.23	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.25	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.26	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.38	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.22	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.26	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.52	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.86	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.59	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.83	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.54	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.82	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.94	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.16	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.95	PASS

Band5	3MHz	16QAM	20525	8RB#4	21.16	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.03	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.64	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.95	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.39	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.37	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.35	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.27	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.36	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.77	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.15	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.78	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.14	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.81	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.85	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.89	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.52	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.91	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.57	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.91	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.24	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.25	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.24	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.25	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.25	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.24	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.27	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.32	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.71	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.78	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.80	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.89	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.71	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.97	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.17	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.09	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.19	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.10	PASS

Band5	5MHz	QPSK	20525	12RB#13	22.25	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.51	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.40	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.74	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.04	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.75	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.87	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.70	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.87	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.24	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.17	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.04	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.17	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.05	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.23	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.17	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.67	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.94	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.64	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.91	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.65	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.83	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.30	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.14	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.31	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.14	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.11	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.59	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.06	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.65	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.49	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.70	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.58	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.54	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.52	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.15	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.23	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.20	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.24	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.20	PASS

Band5	10MHz	16QAM	20525	25RB#25	21.39	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.16	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.54	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.81	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.08	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.67	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.06	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.71	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.89	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.26	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.67	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.02	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.68	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.07	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.16	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.59	PASS

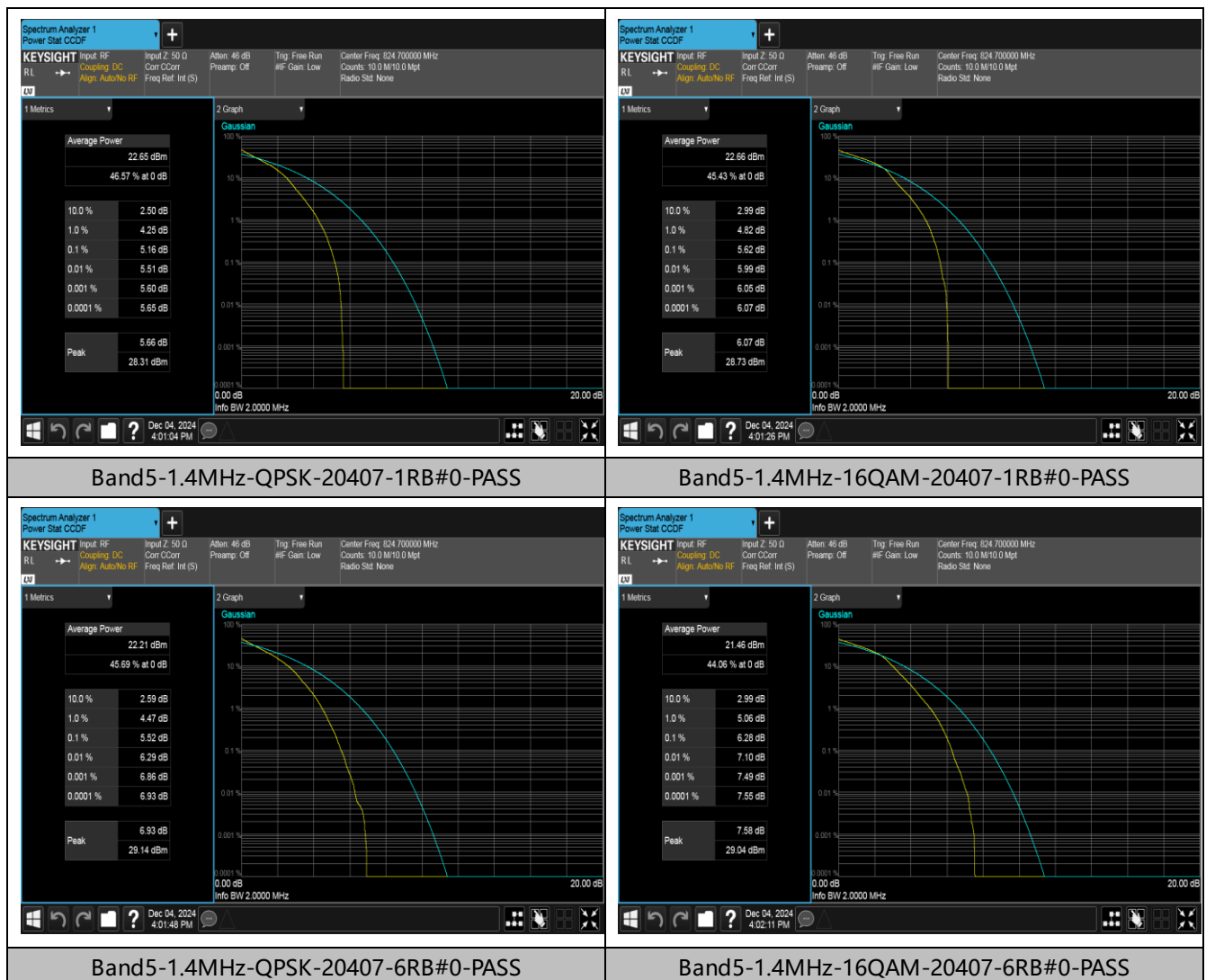
Appendix B: Peak-to-Average Ratio (CCDF)

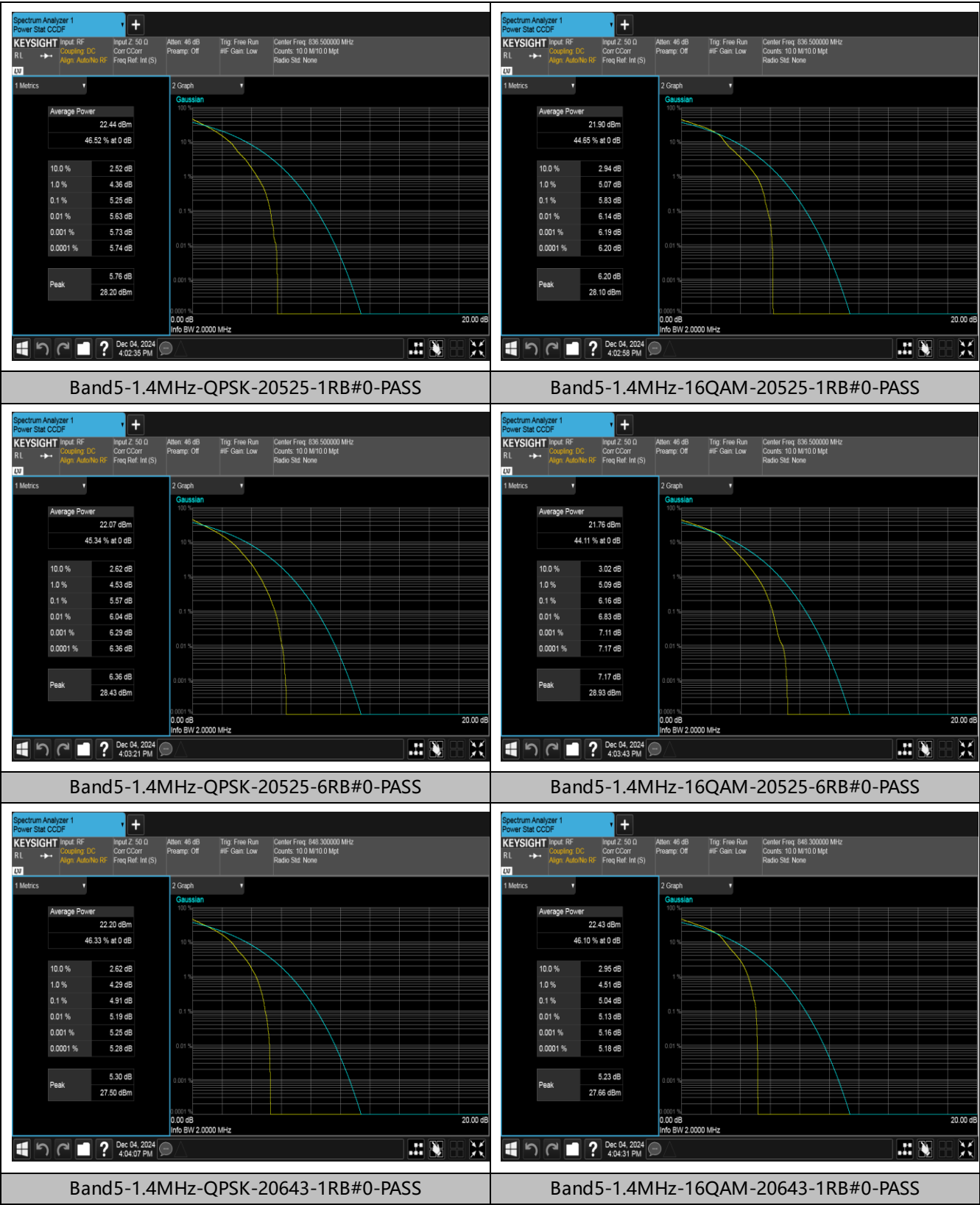
Test Result

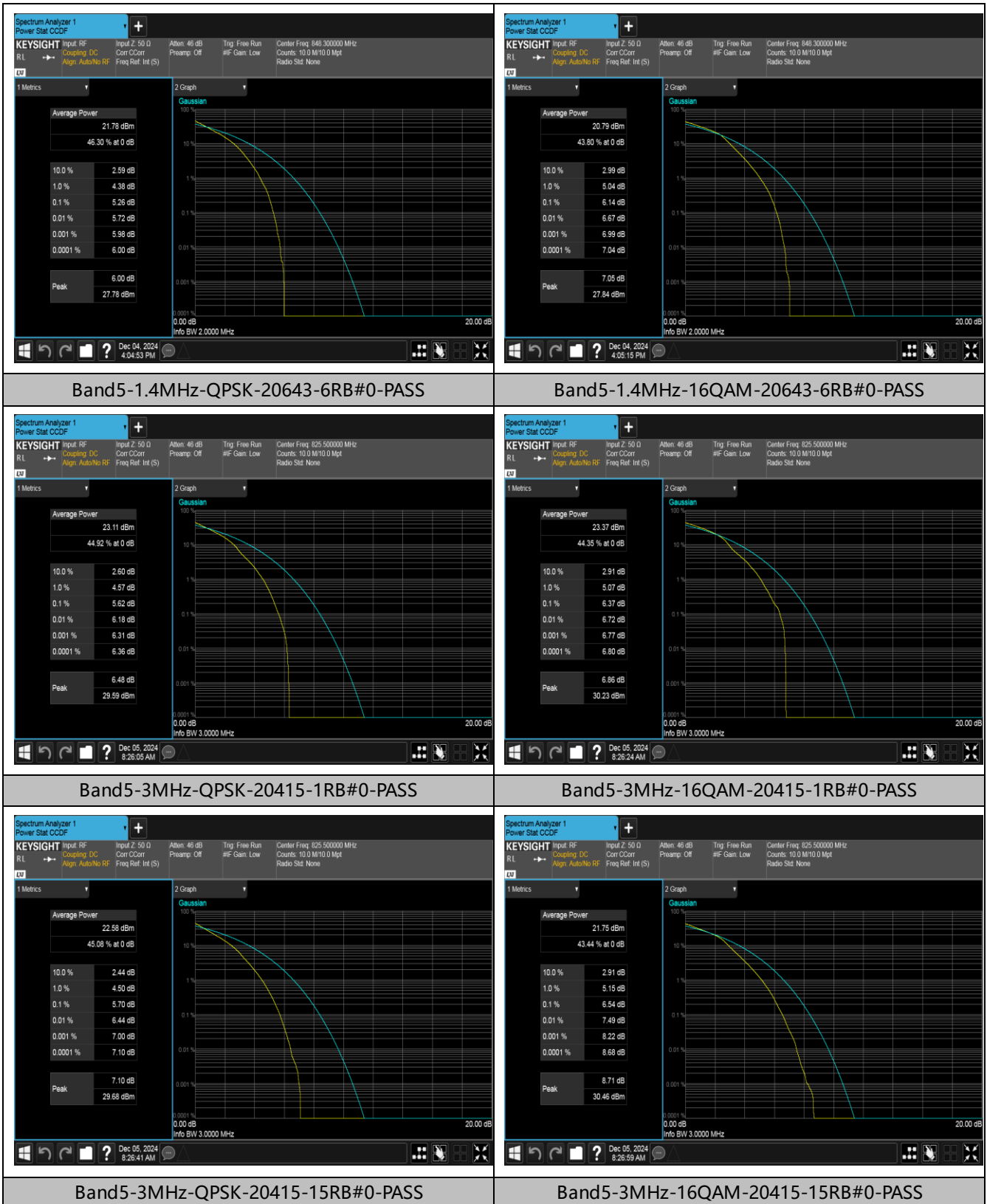
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.16	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.62	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.52	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.28	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.25	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.83	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.57	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.16	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.91	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.04	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.26	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.14	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.62	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.37	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.70	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.54	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.35	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.82	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.51	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.47	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.22	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.72	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.49	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.03	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.47	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.38	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.64	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.32	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.45	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.58	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.64	13	PASS

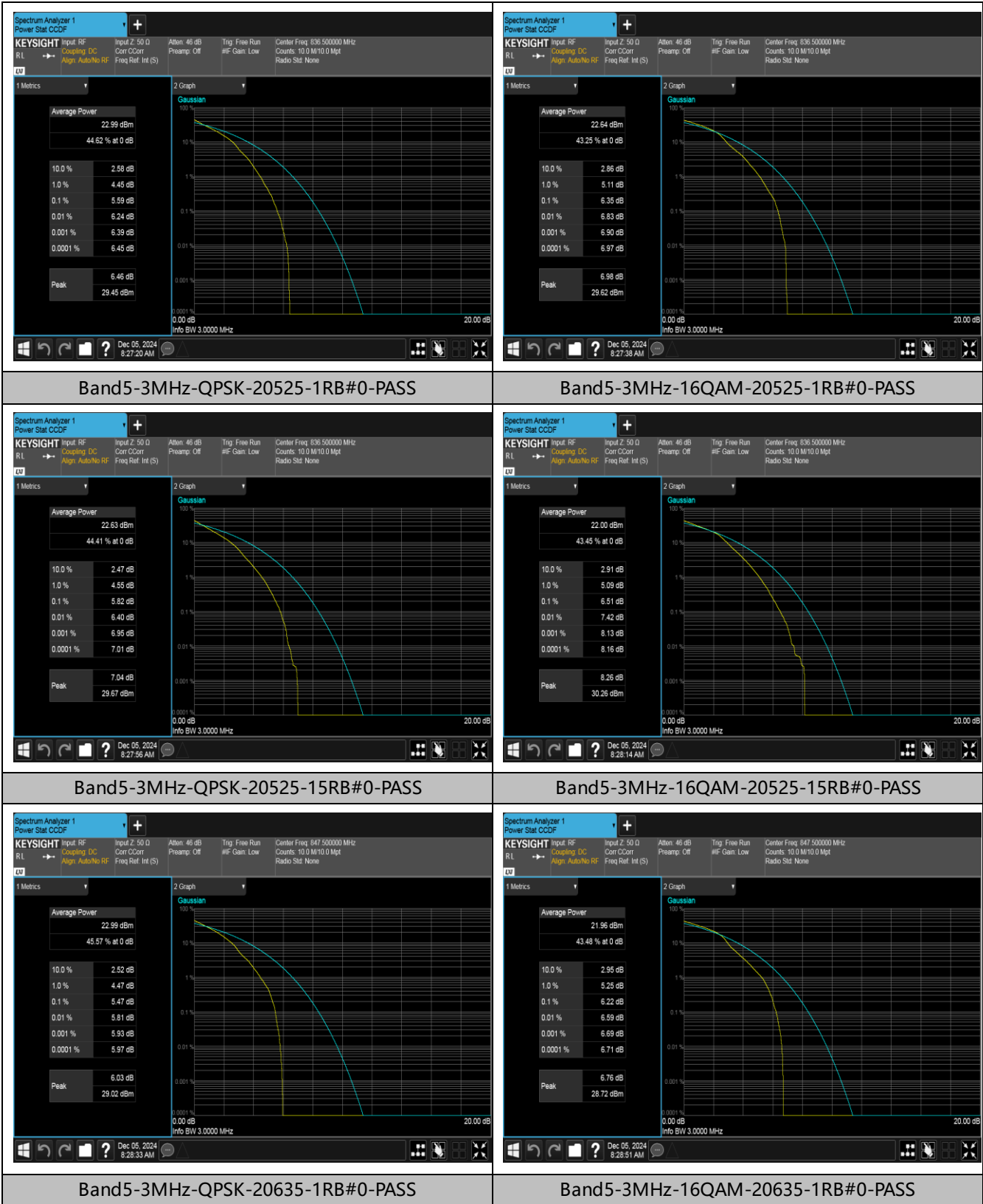
Band5	10MHz	QPSK	20450	50RB#0	5.78	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.50	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.26	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.45	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.58	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.27	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.82	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.53	13	PASS

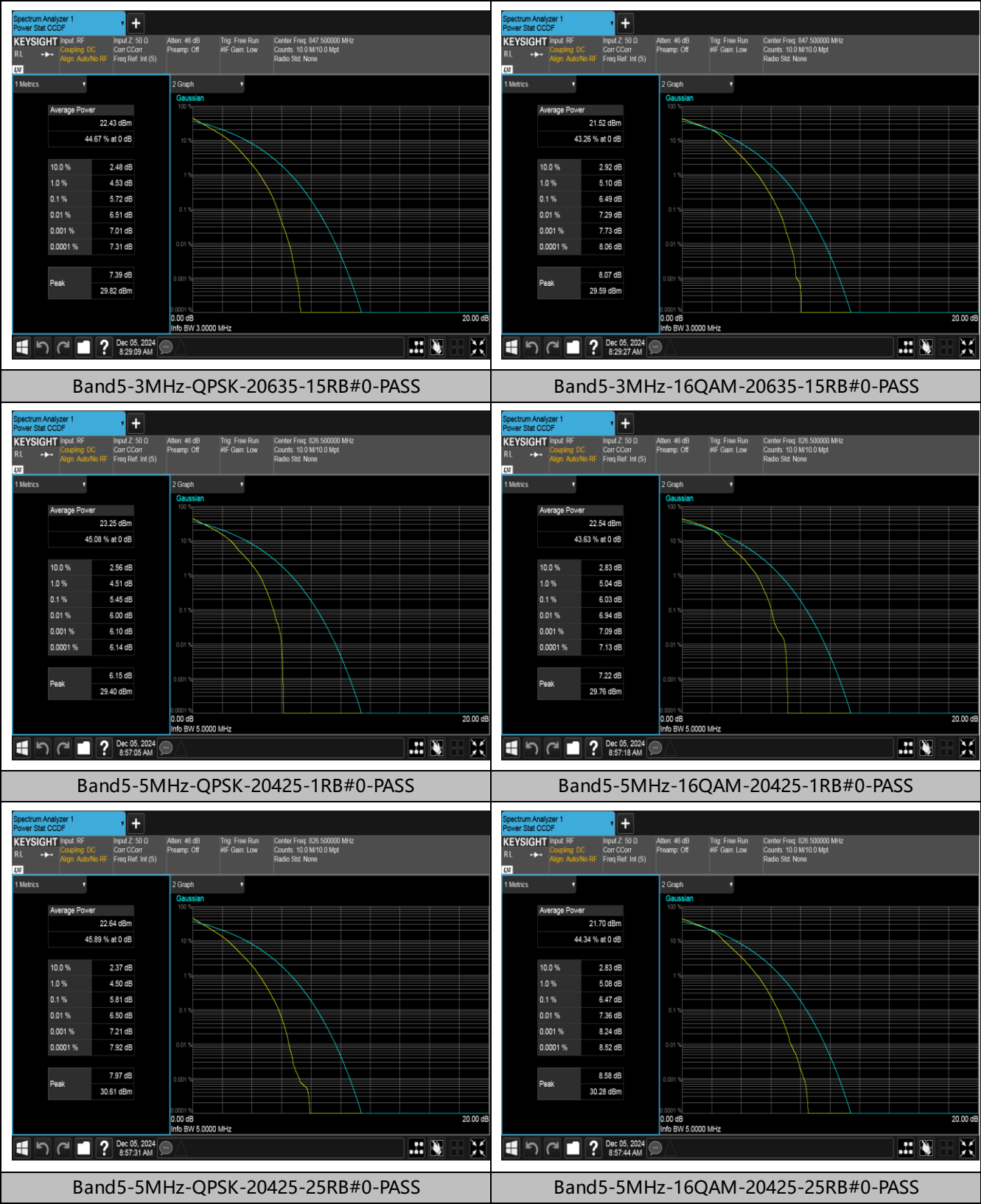
Test Graphs

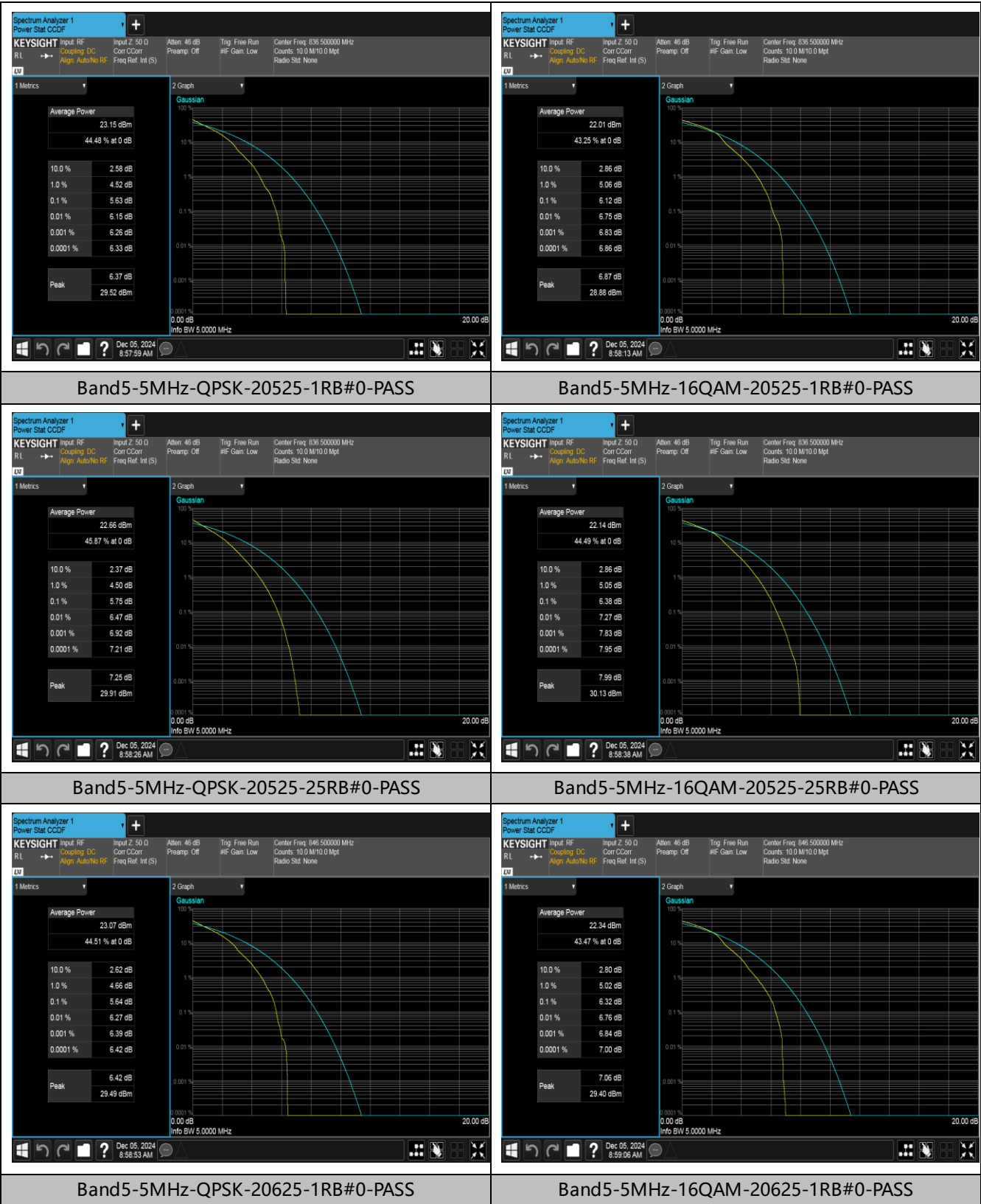


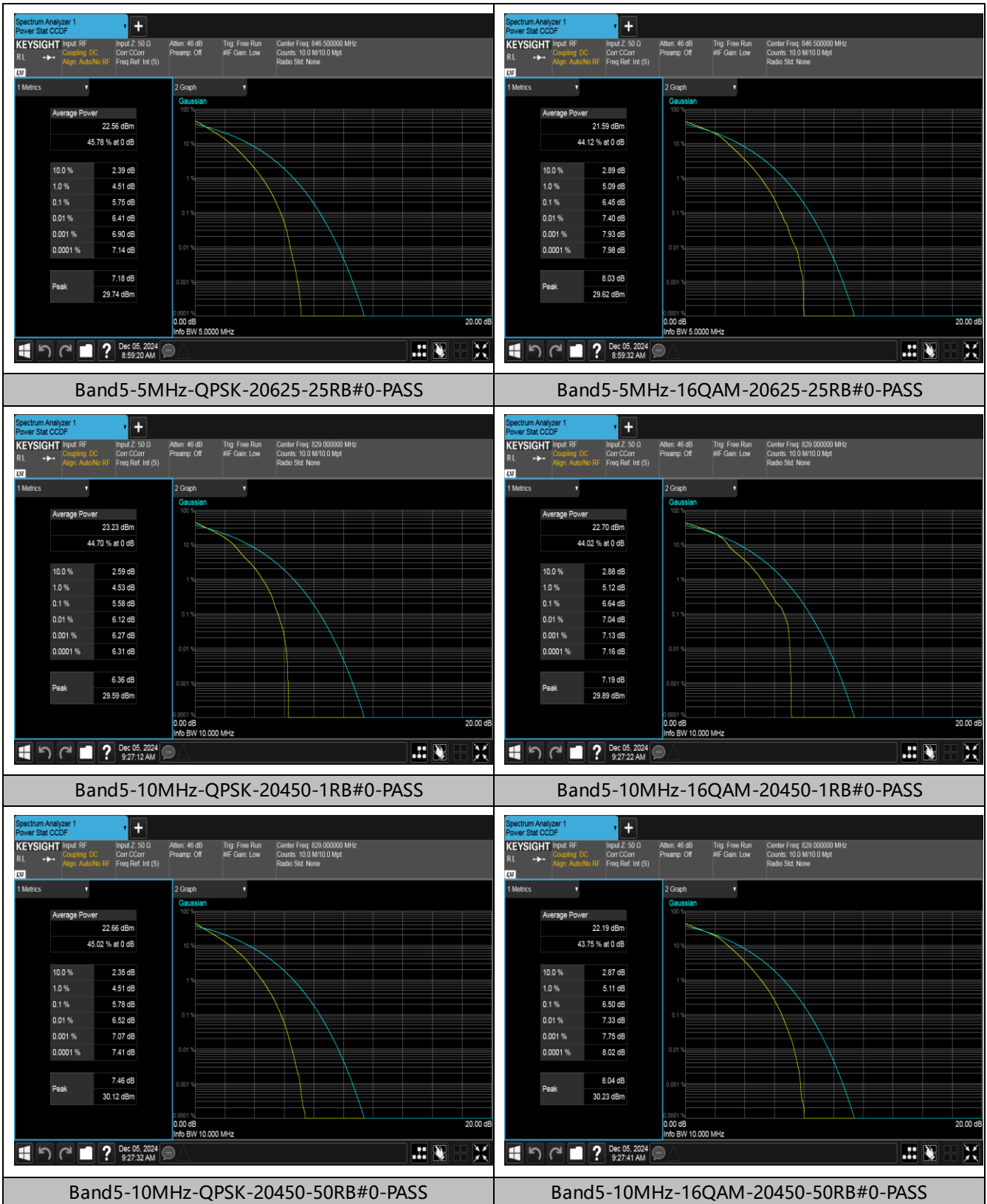


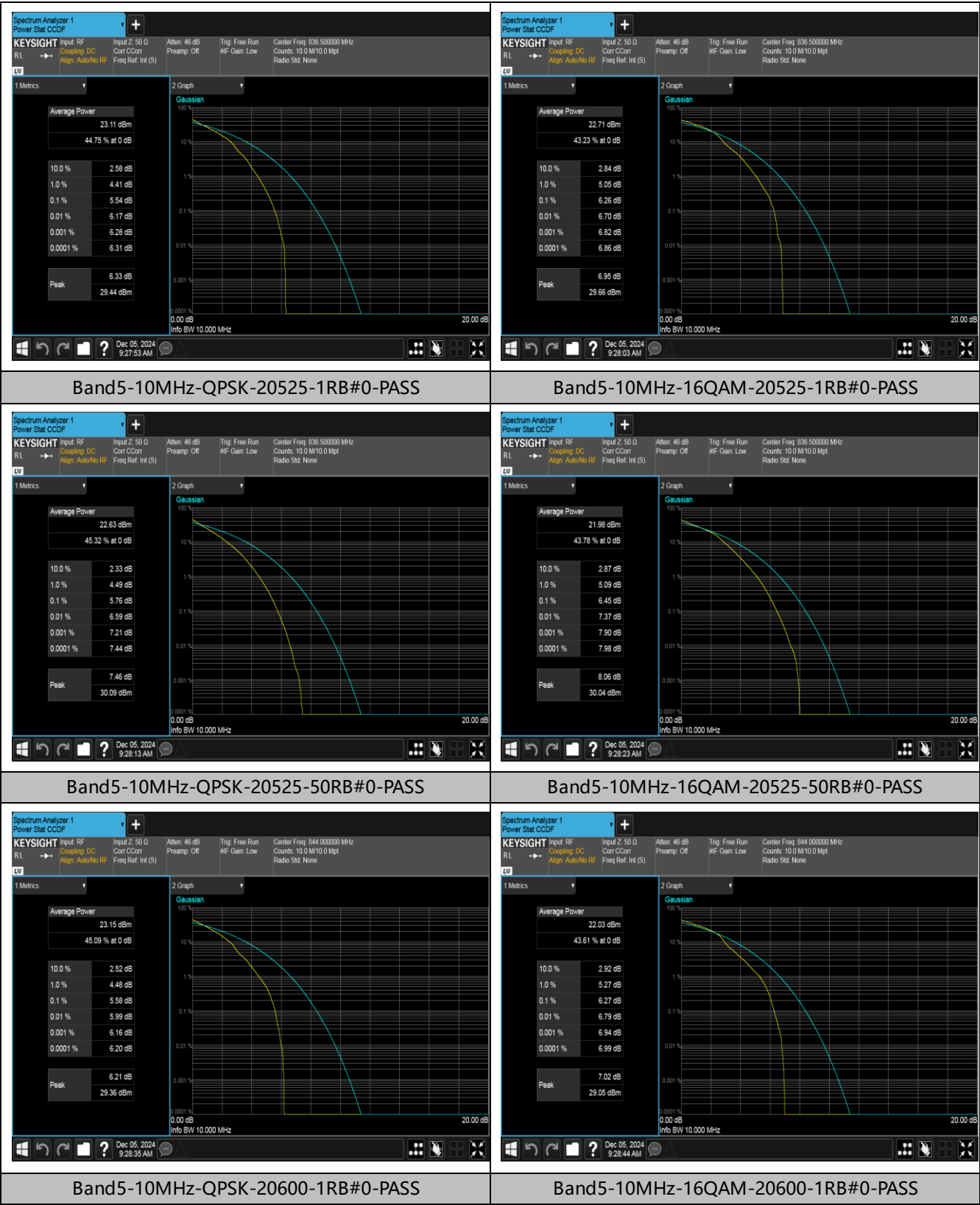


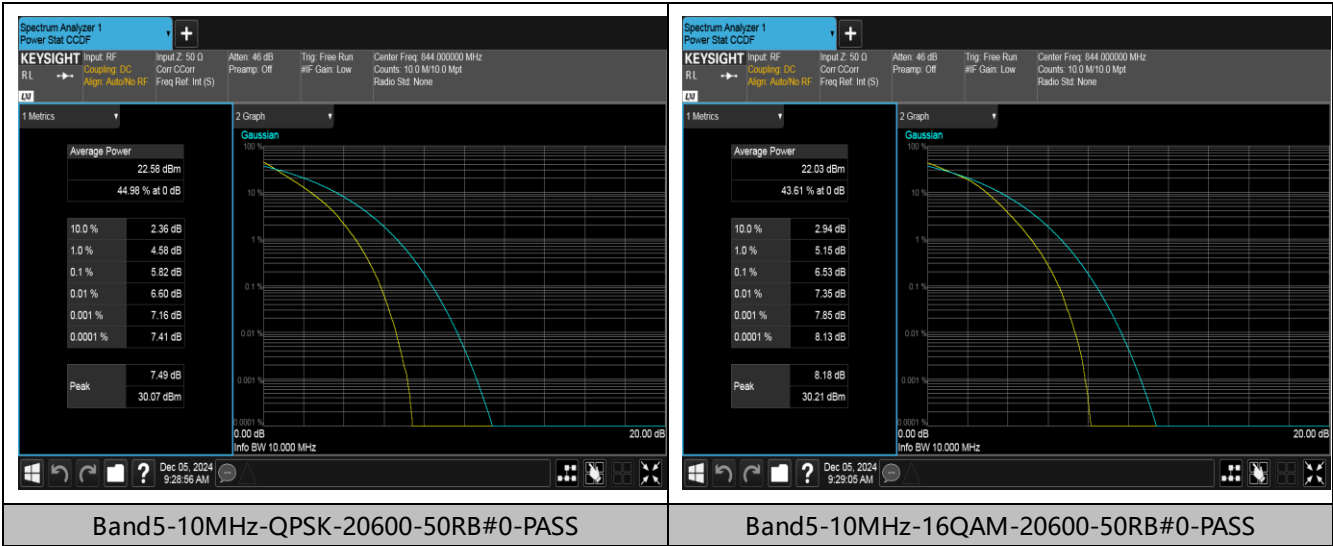












Appendix C: Occupied bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0952	1.245	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0991	1.252	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0971	1.247	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0921	1.245	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0911	1.245	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1030	1.248	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7114	3.056	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7026	3.028	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7054	3.017	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7063	3.033	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7105	3.027	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7056	3.022	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5091	4.987	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5082	4.969	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4991	4.963	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5126	4.984	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5101	5.002	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5281	4.999	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9995	9.902	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9925	9.929	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9920	9.930	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9908	9.925	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9834	9.907	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0054	9.926	PASS

Test Graphs

