

Appendix for Band 5

Product Name: 5G CPE

Model No: C150

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.52	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.59	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.50	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.30	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.51	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.57	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.41	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.49	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.36	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.60	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.62	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.46	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.49	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.50	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.37	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.35	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.43	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.36	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.46	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.40	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.55	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.34	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.23	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.35	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.30	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.31	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.30	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.30	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.29	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.28	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.22	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.39	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.21	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.63	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.73	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.58	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.67	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.48	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.57	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.72	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.73	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.73	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.72	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.62	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.64	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.71	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.74	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.52	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.47	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.58	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.52	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.51	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.38	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.56	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.54	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.57	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.55	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.53	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.53	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.64	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.55	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.46	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.39	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.39	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.34	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.32	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.20	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.54	PASS

Band5	3MHz	16QAM	20635	8RB#0	21.53	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.54	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.53	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.52	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.51	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.44	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.71	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.73	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.62	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.57	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.59	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.73	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.77	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.70	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.77	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.61	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.67	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.70	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.69	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.54	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.70	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.52	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.63	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.49	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.61	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.58	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.66	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.59	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.66	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.59	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.64	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.69	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.61	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.56	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.50	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.47	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.51	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.39	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.36	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.55	PASS

Band5	5MHz	16QAM	20625	12RB#0	21.58	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.56	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.58	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.46	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.51	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.51	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.56	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.74	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.69	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.41	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.47	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.44	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.59	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.61	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.61	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.63	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.61	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.66	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.61	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.71	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.69	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.53	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.46	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.52	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.43	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.44	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.39	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.60	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.62	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.66	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.65	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.68	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.66	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.71	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.46	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.44	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.36	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.28	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.26	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.20	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.49	PASS

Band5	10MHz	16QAM	20600	25RB#0	21.59	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.58	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.55	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.50	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.50	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.54	PASS

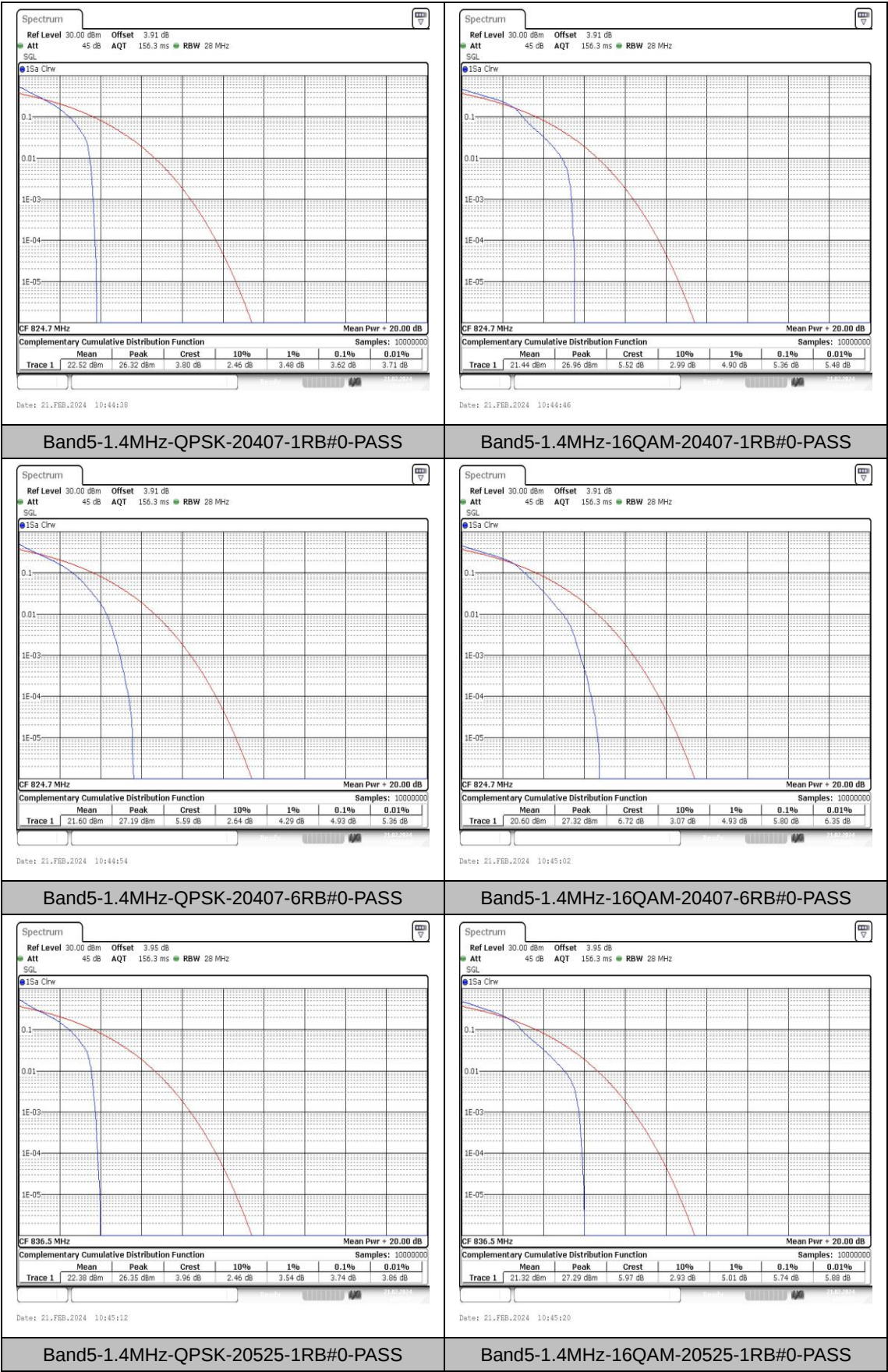
Appendix B: Peak-to-Average Ratio(CCDF)

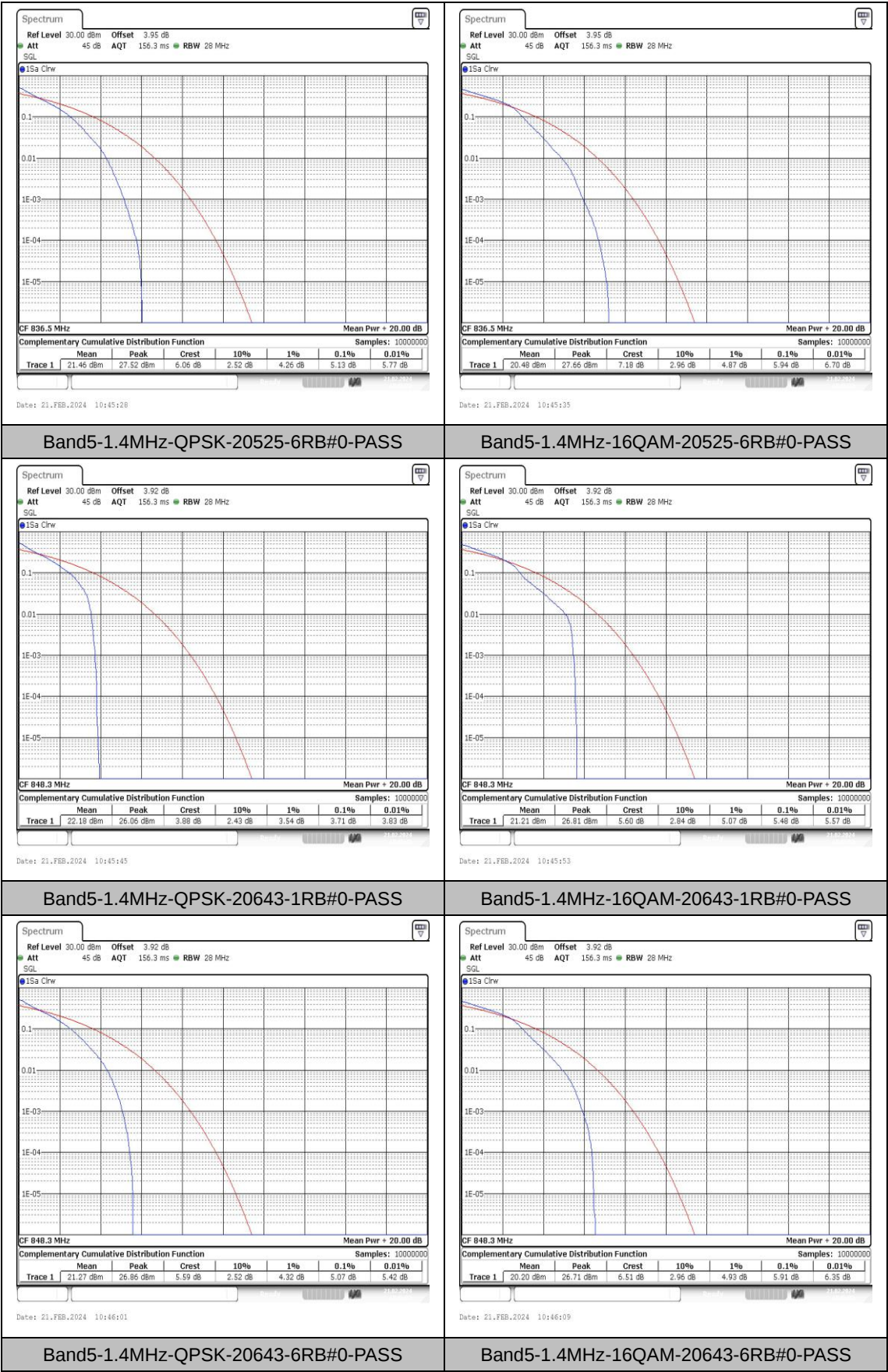
Test Result

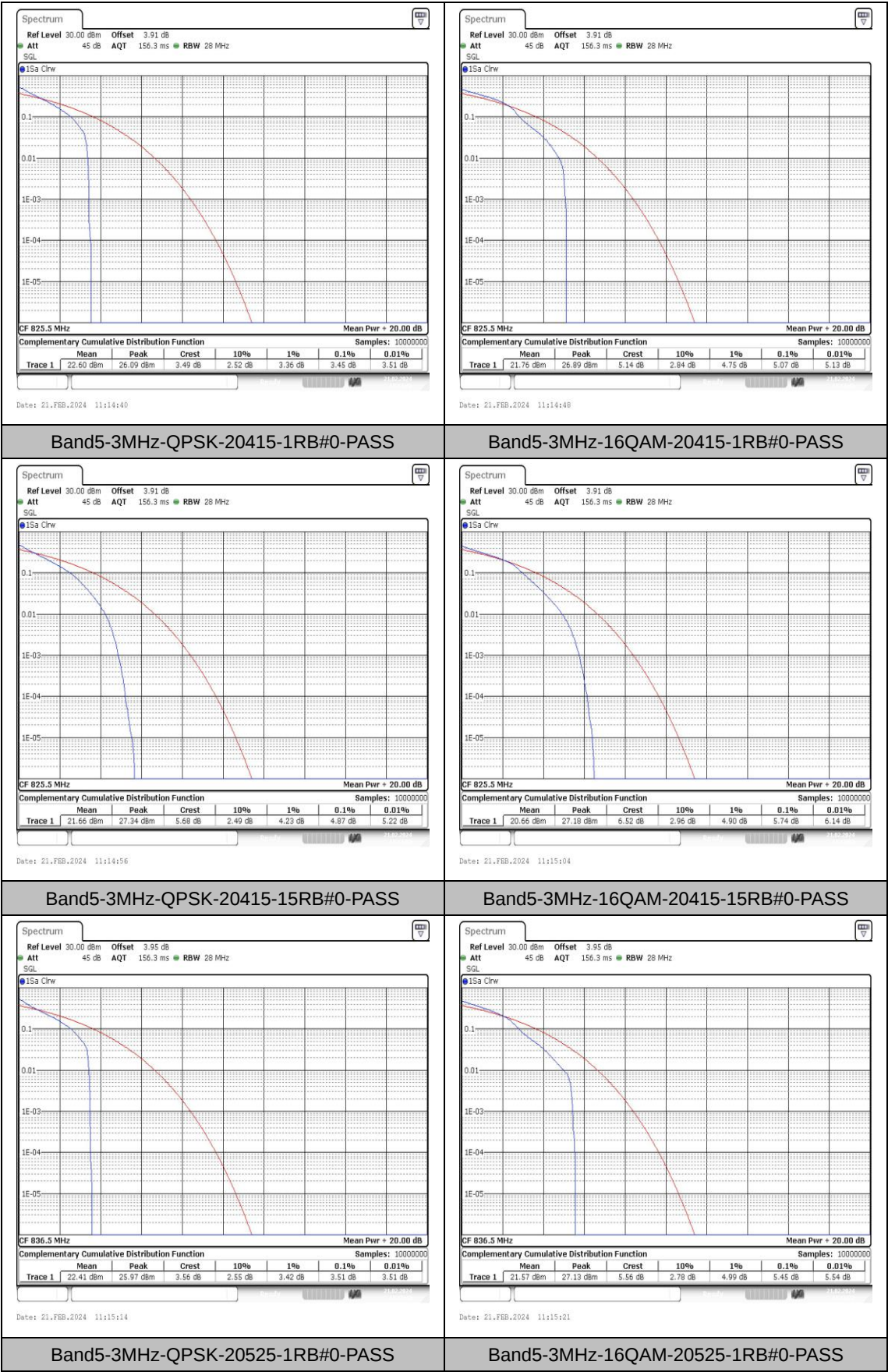
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.62	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.36	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.93	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.80	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.74	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.13	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.71	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.48	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.07	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.91	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.45	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.07	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.87	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.74	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.51	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.04	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.86	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.45	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.45	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.93	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.77	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.42	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.10	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.96	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.77	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.54	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.13	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.91	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.48	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.04	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.80	13	PASS

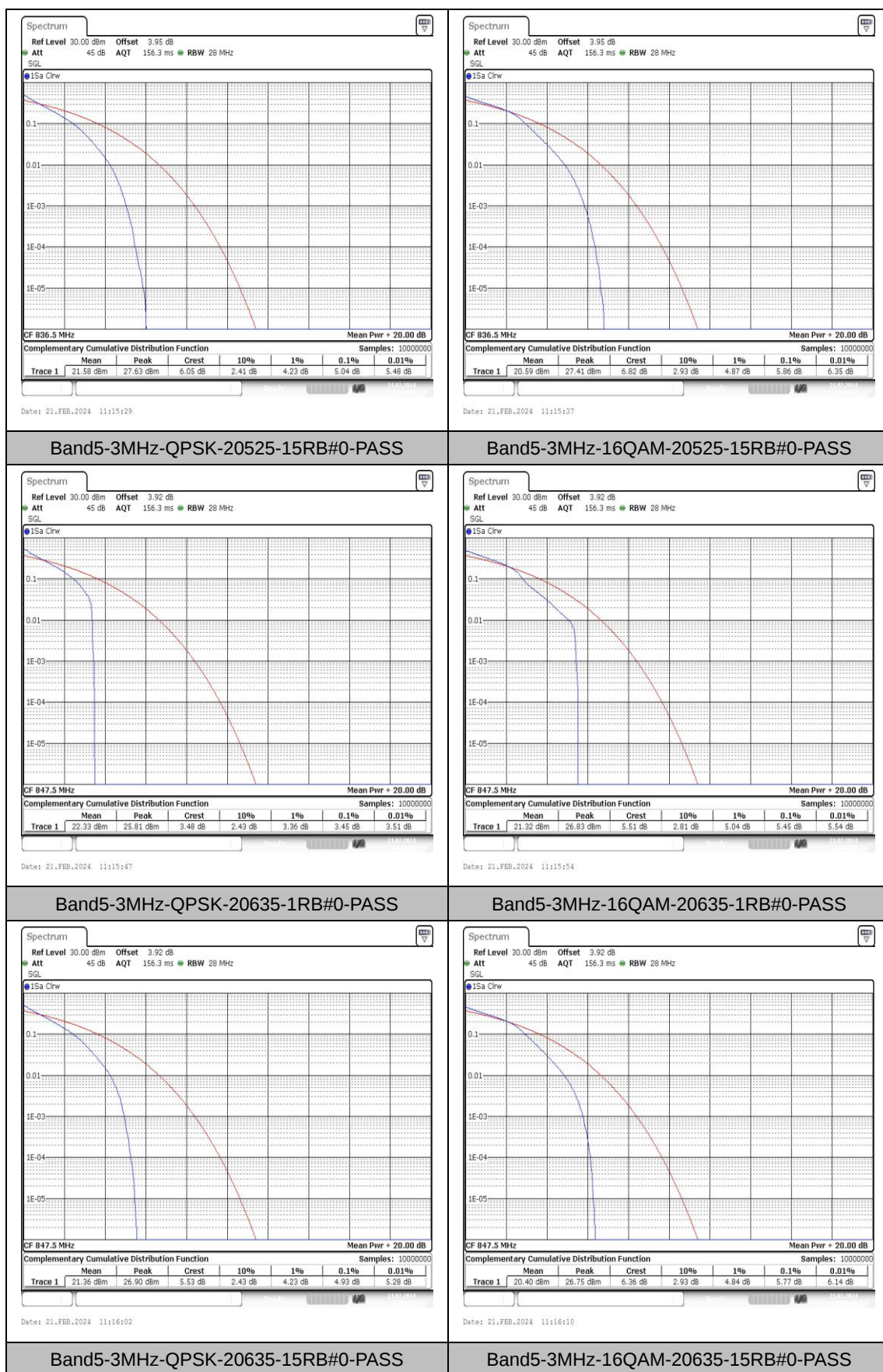
Band5	10MHz	QPSK	20450	1RB#0	3.42	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.87	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.48	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.25	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.51	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.83	13	PASS

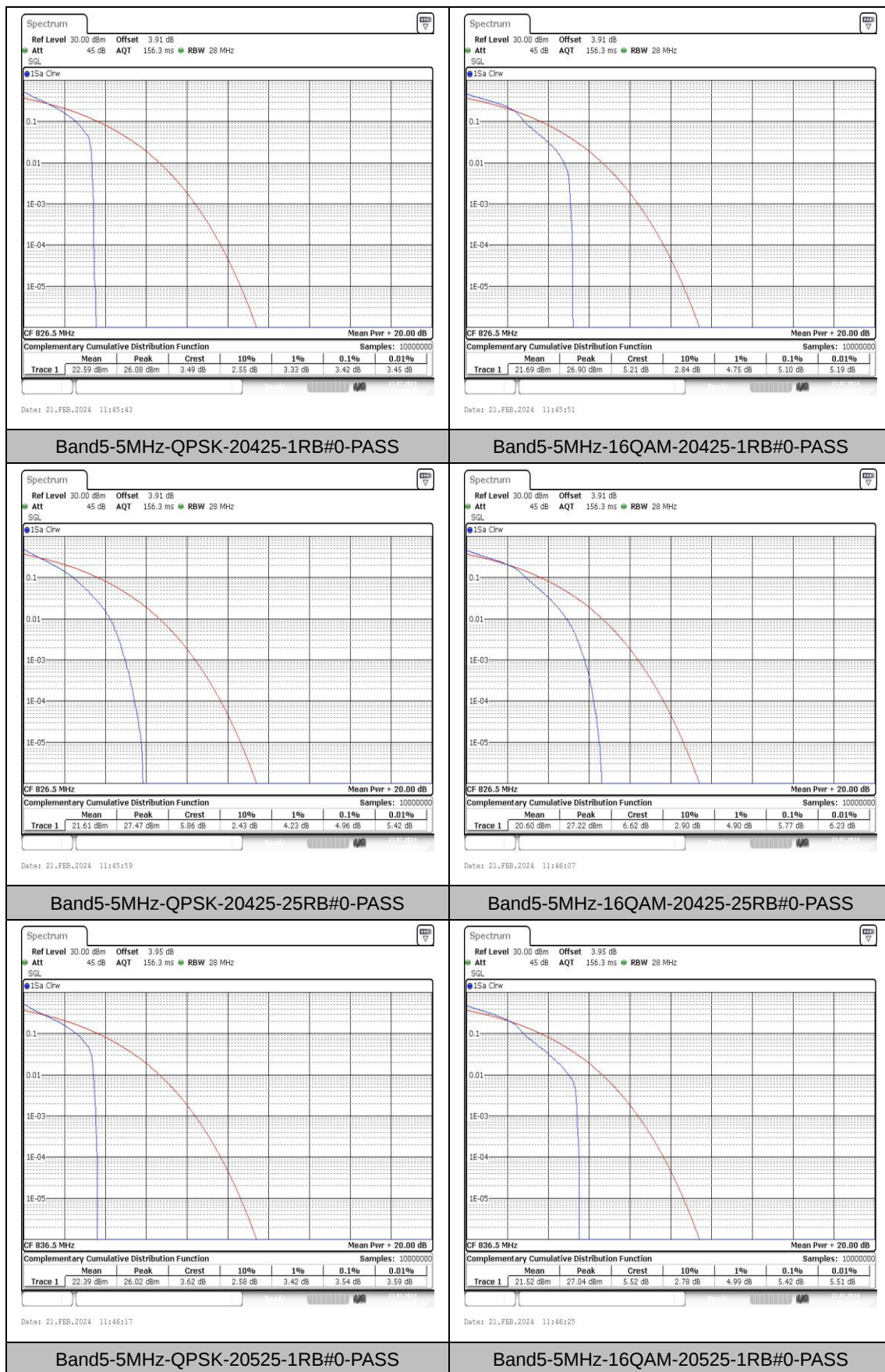
Test Graphs

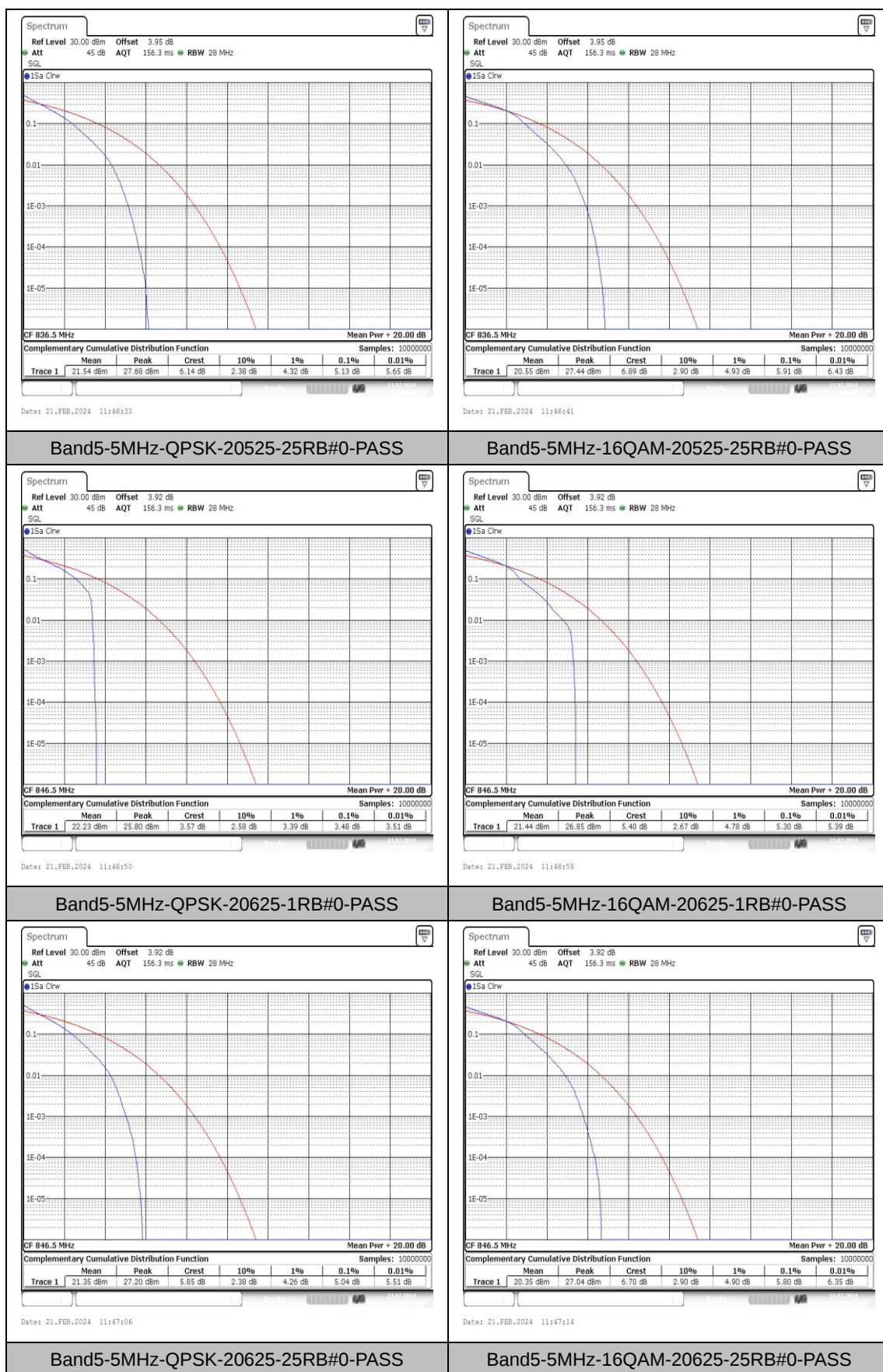


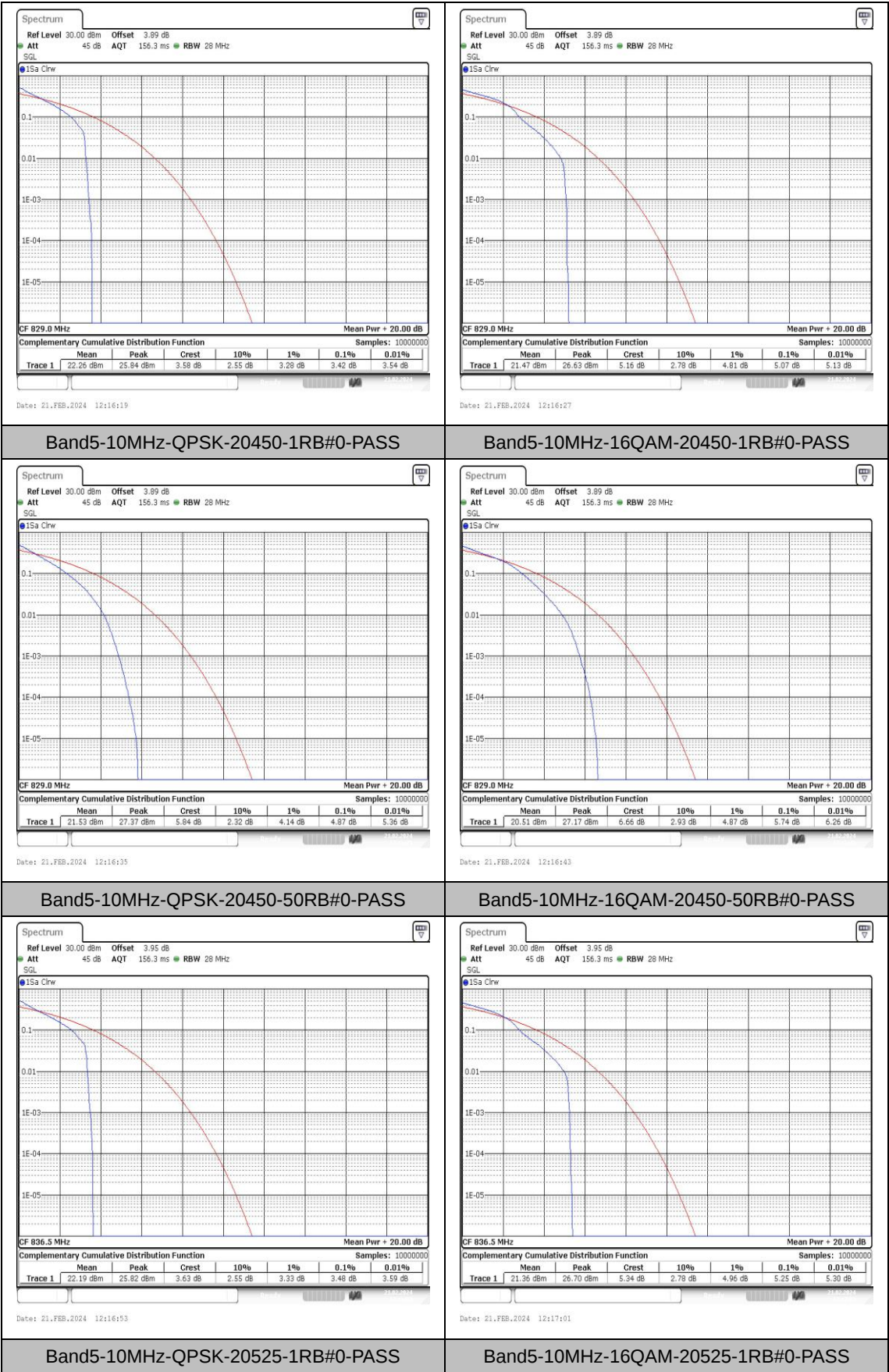


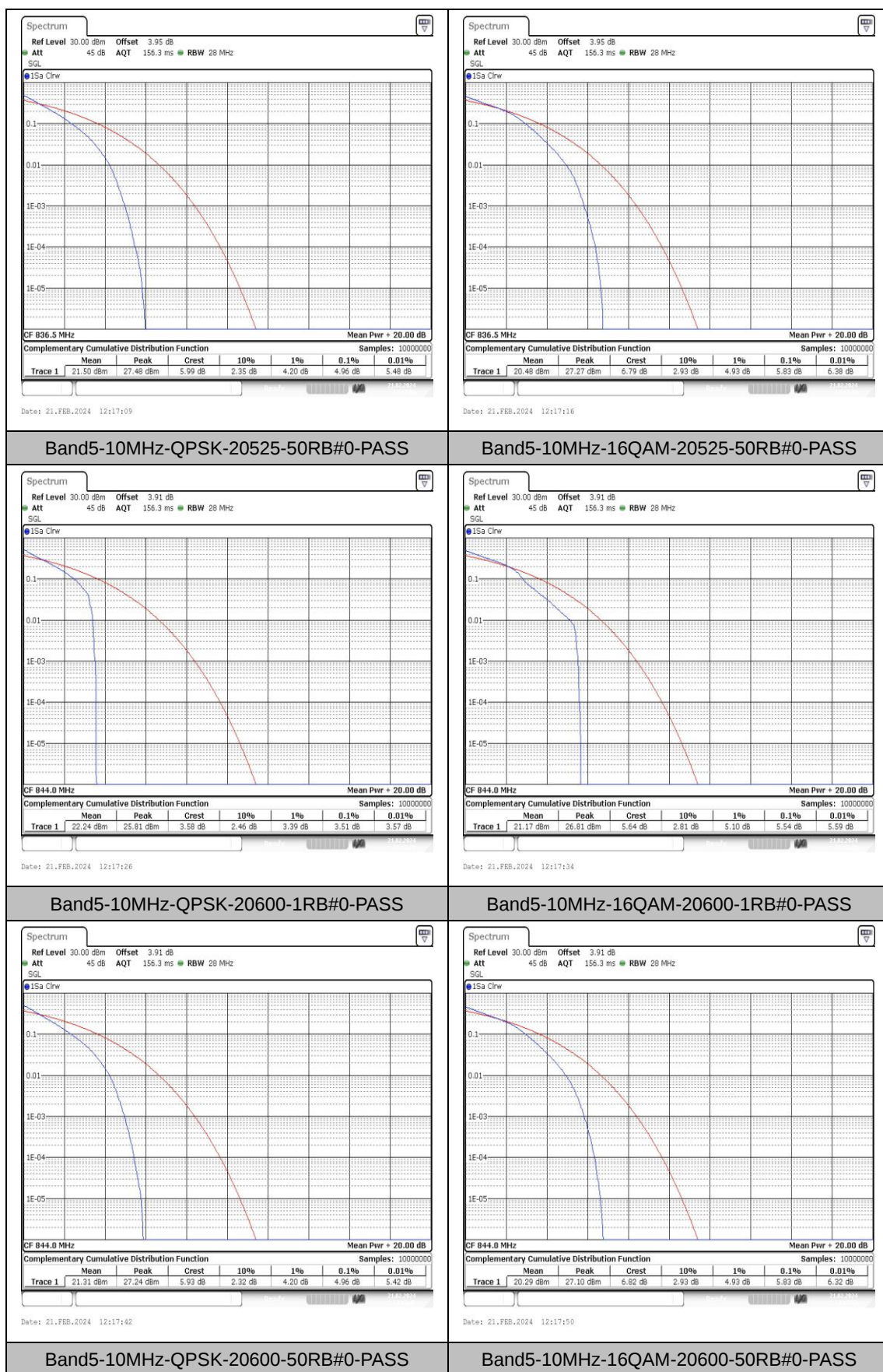










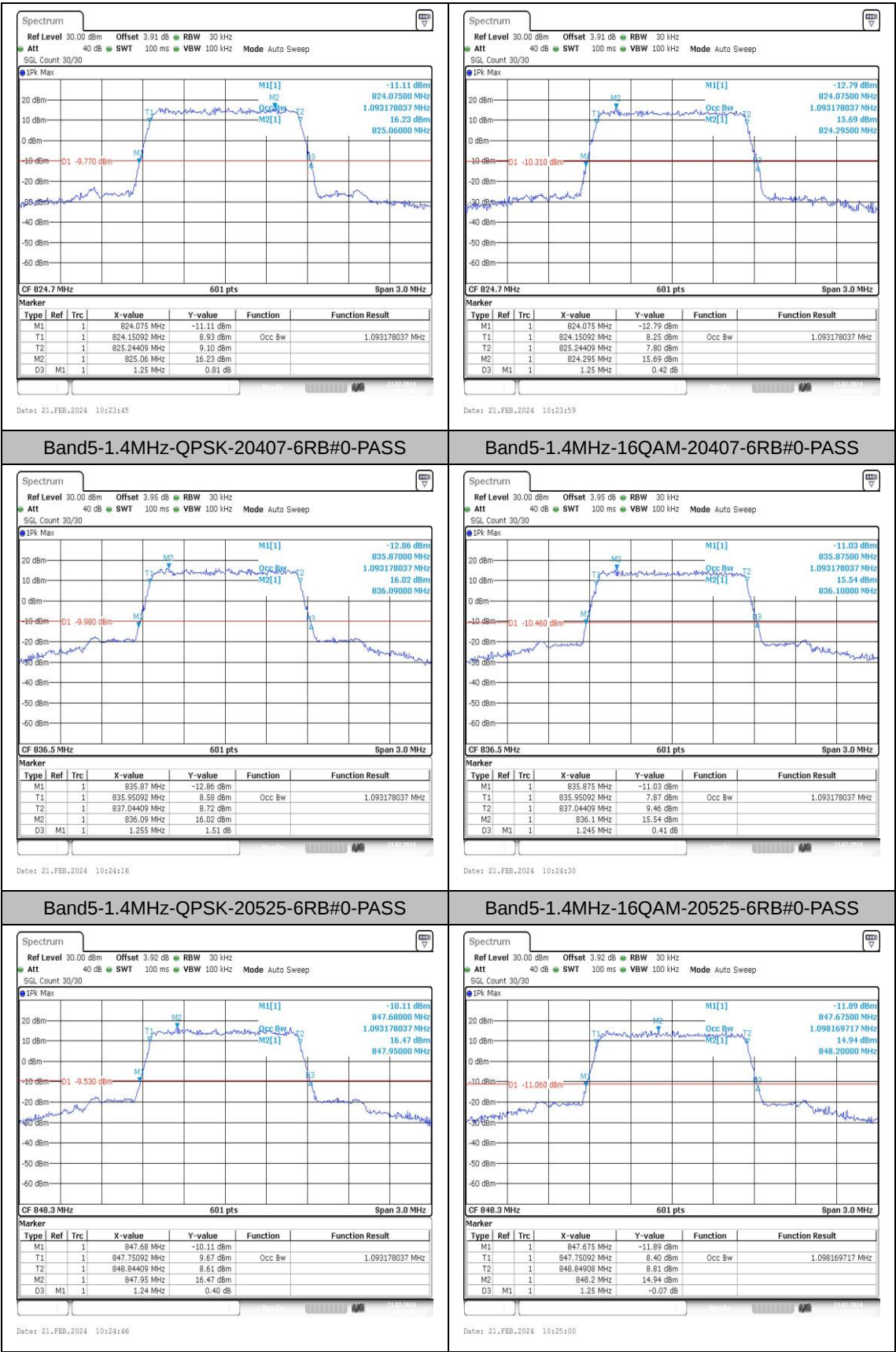


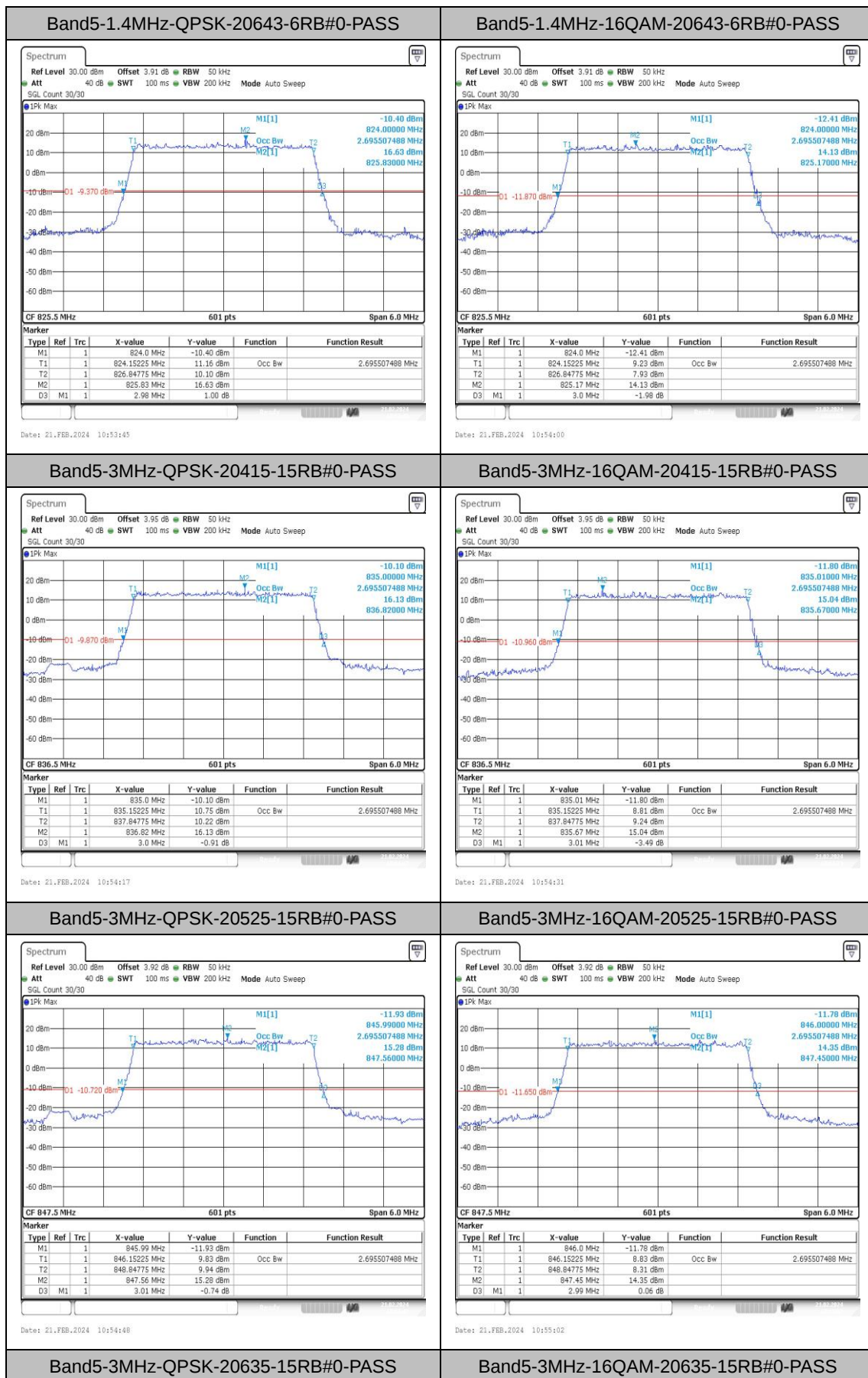
Appendix C: 26dB Bandwidth and Occupied Bandwidth

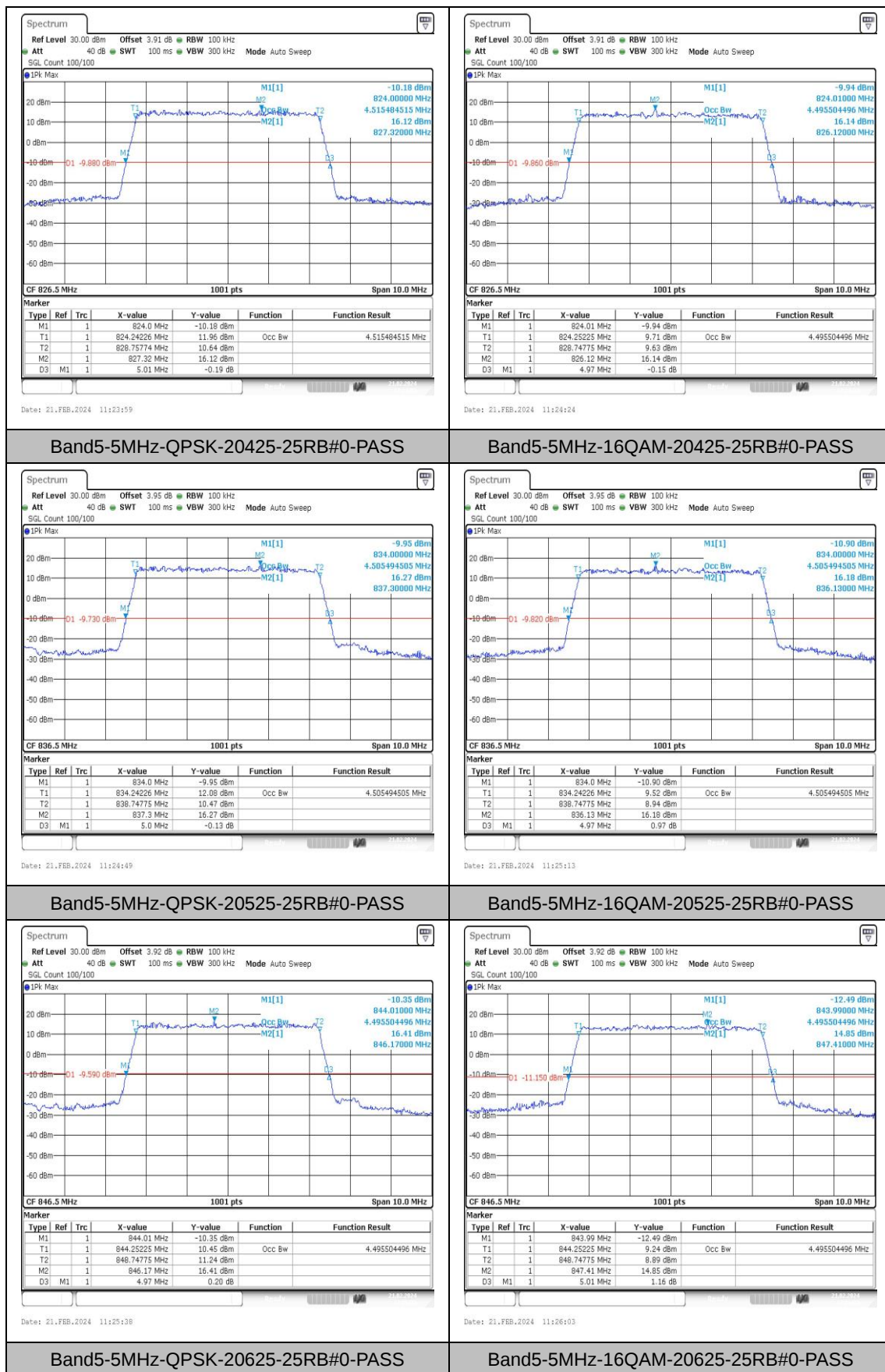
Test Result

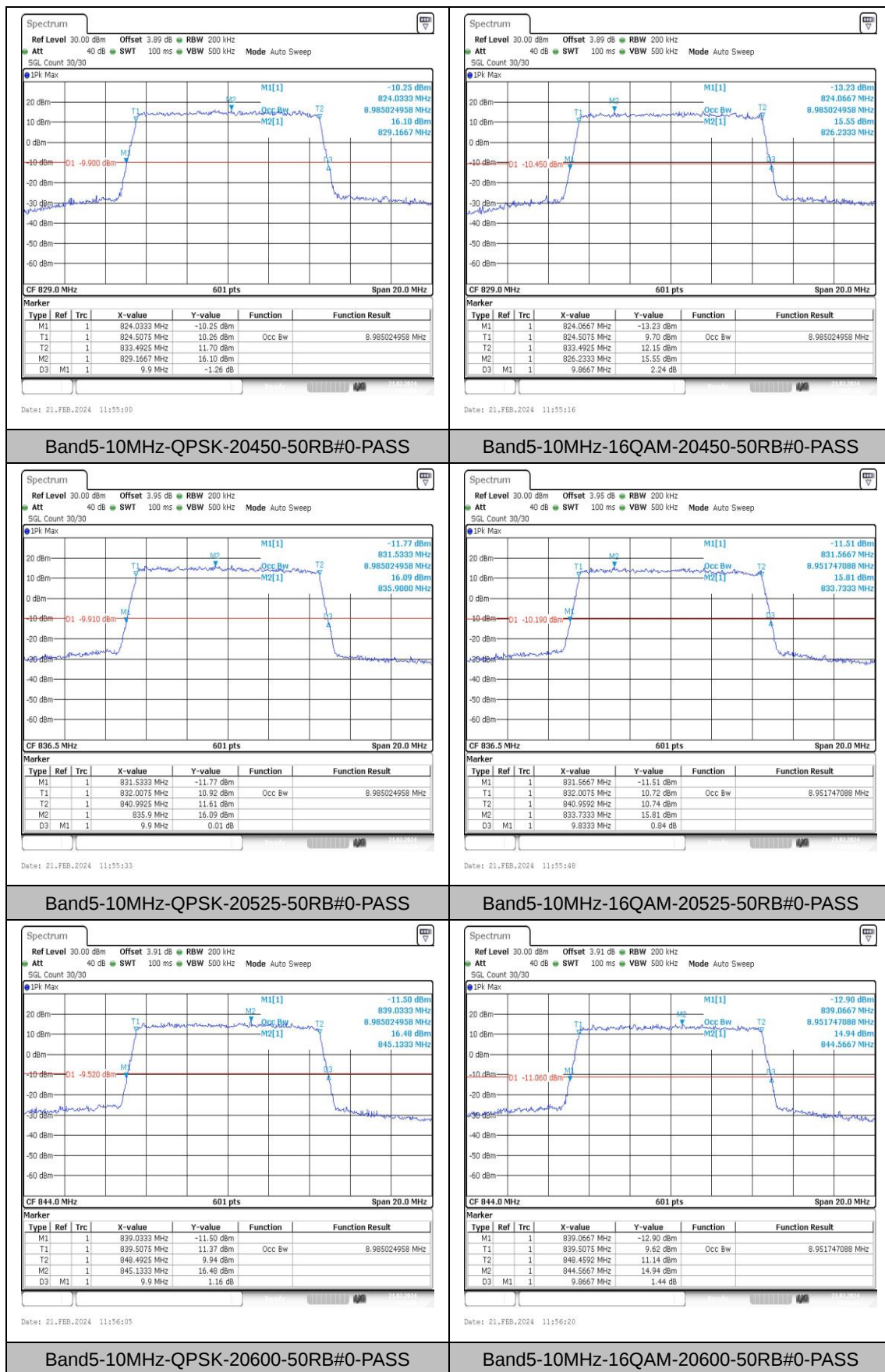
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.093	1.25	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.093	1.25	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.093	1.26	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.093	1.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.093	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.098	1.25	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.696	3.00	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.696	3.00	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.696	3.01	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.696	3.01	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.696	2.99	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.515	5.01	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.496	4.97	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.505	5.00	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.505	4.97	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.496	4.97	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	5.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.985	9.90	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	9.87	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.90	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.952	9.83	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.985	9.90	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.952	9.87	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	-33.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-35.43	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-52.08	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-52.73	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-36.86	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-37.55	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-49.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-49.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-28.68	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-31.93	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-31.01	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-32.20	PASS
Band5	3MHz	QPSK	20415	1RB#0	-20.02	PASS
Band5	3MHz	16QAM	20415	1RB#0	-22.10	PASS
Band5	3MHz	QPSK	20415	1RB#14	-50.69	PASS
Band5	3MHz	16QAM	20415	1RB#14	-54.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	-27.63	PASS
Band5	3MHz	16QAM	20415	15RB#0	-29.68	PASS
Band5	3MHz	QPSK	20635	1RB#0	-51.17	PASS
Band5	3MHz	16QAM	20635	1RB#0	-51.82	PASS
Band5	3MHz	QPSK	20635	1RB#14	-20.79	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.61	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.43	PASS
Band5	3MHz	16QAM	20635	15RB#0	-29.48	PASS
Band5	5MHz	QPSK	20425	1RB#0	-25.51	PASS
Band5	5MHz	16QAM	20425	1RB#0	-25.77	PASS
Band5	5MHz	QPSK	20425	1RB#24	-55.54	PASS
Band5	5MHz	16QAM	20425	1RB#24	-55.75	PASS
Band5	5MHz	QPSK	20425	25RB#0	-30.86	PASS
Band5	5MHz	16QAM	20425	25RB#0	-32.84	PASS
Band5	5MHz	QPSK	20625	1RB#0	-52.74	PASS
Band5	5MHz	16QAM	20625	1RB#0	-53.41	PASS
Band5	5MHz	QPSK	20625	1RB#24	-24.57	PASS
Band5	5MHz	16QAM	20625	1RB#24	-25.61	PASS
Band5	5MHz	QPSK	20625	25RB#0	-30.91	PASS
Band5	5MHz	16QAM	20625	25RB#0	-32.53	PASS

Band5	10MHz	QPSK	20450	1RB#0	-34.20	PASS
Band5	10MHz	16QAM	20450	1RB#0	-34.40	PASS
Band5	10MHz	QPSK	20450	1RB#49	-52.97	PASS
Band5	10MHz	16QAM	20450	1RB#49	-55.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	-34.11	PASS
Band5	10MHz	16QAM	20450	50RB#0	-36.37	PASS
Band5	10MHz	QPSK	20600	1RB#0	-53.88	PASS
Band5	10MHz	16QAM	20600	1RB#0	-56.00	PASS
Band5	10MHz	QPSK	20600	1RB#49	-31.61	PASS
Band5	10MHz	16QAM	20600	1RB#49	-32.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	-34.69	PASS
Band5	10MHz	16QAM	20600	50RB#0	-36.43	PASS

Test Graphs

