

Appendix for LTE BAND 5

Product Name: 4G ADAS DMS 2CH Dashcam

Model No: LCD02

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.48	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.51	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.55	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.65	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.24	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.63	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.13	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.34	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.59	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.66	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.72	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.29	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.56	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.37	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.62	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.56	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.63	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.56	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.70	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.86	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.95	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.60	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.72	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.60	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.67	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.63	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.61	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.64	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.79	PASS

Band5	1.4MHz	QPSK	20643	3RB#1	22.63	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.71	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.73	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.93	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.29	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.40	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.61	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.41	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.59	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.32	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.96	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.98	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.86	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.95	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.83	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.06	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.90	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.88	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.70	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.17	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.73	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.18	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.76	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.26	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.36	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.42	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.36	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.41	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.27	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.50	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.64	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.11	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.21	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.39	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.31	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.33	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.96	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.90	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.13	PASS

Band5	3MHz	QPSK	20635	8RB#4	22.20	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.38	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.24	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.39	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.08	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.12	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.02	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.08	PASS
Band5	5MHz	16QAM	20425	1RB#12	20.90	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.11	PASS
Band5	5MHz	16QAM	20425	1RB#24	20.97	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.70	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.74	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.71	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.74	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.70	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.63	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.67	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.48	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.81	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.61	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.98	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.61	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.03	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.08	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.00	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.09	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.05	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.11	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.19	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.05	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.07	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.57	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.67	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.55	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.66	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.48	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.19	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.20	PASS

Band5	5MHz	QPSK	20625	12RB#6	22.16	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.40	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.15	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.04	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.23	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.10	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.47	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.06	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.54	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.32	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.00	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.72	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.68	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.74	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.70	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.72	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.79	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.80	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.13	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.30	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.61	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.47	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.83	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.62	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.94	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.00	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.01	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.04	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.98	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.00	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.02	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.04	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.52	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.95	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.60	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.93	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.60	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.17	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.10	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.65	PASS

Band5	10MHz	QPSK	20600	25RB#12	22.21	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.66	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.27	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.13	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.22	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.23	PASS

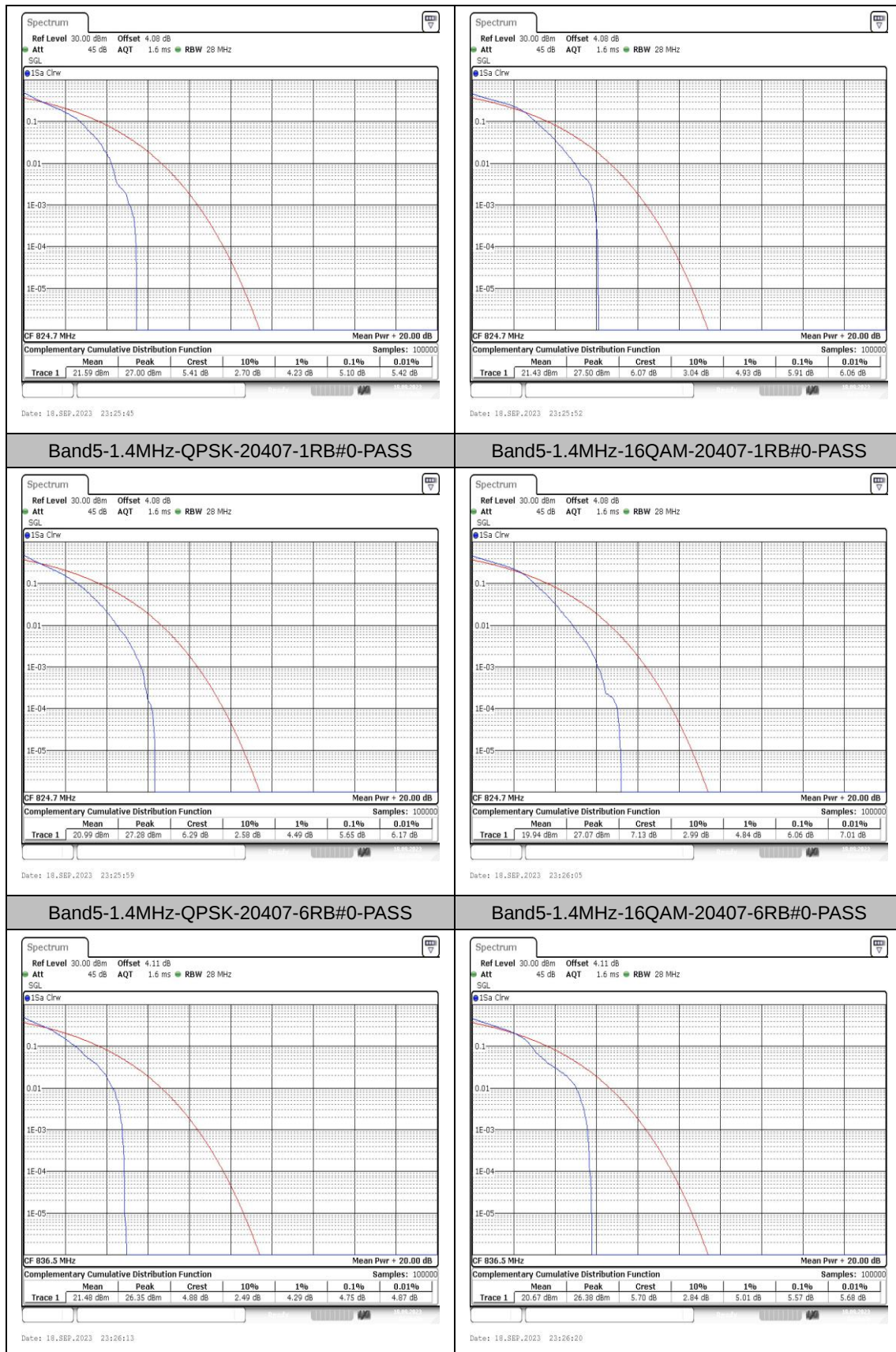
Appendix B: Peak-to-Average Ratio(CCDF)

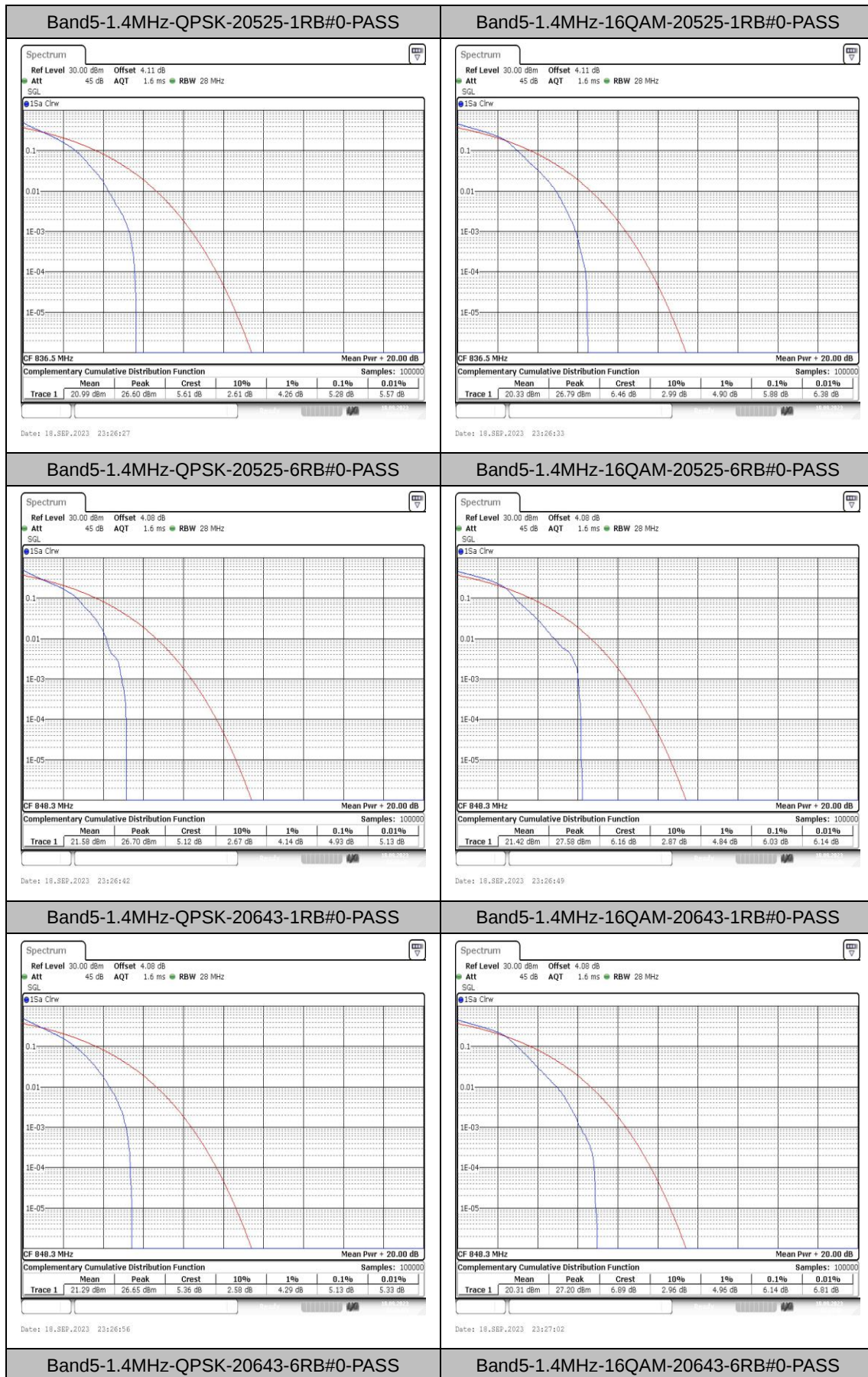
Test Result

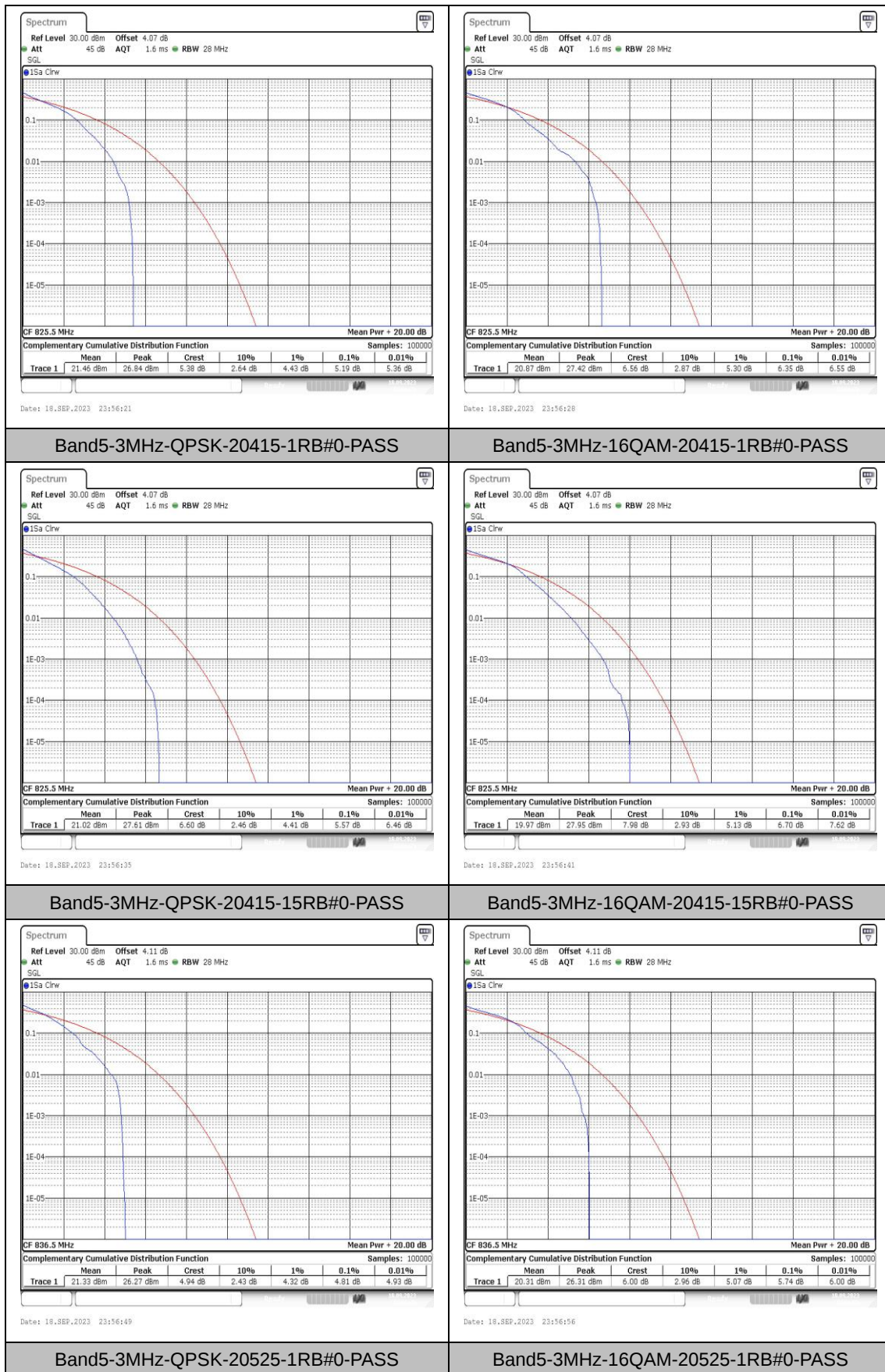
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.10	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.91	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.65	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.06	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.57	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.28	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.88	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.93	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.03	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.13	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.14	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.19	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.35	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.70	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.81	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.36	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.39	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.94	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.03	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.54	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.62	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.46	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.30	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.25	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.38	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.09	13	PASS

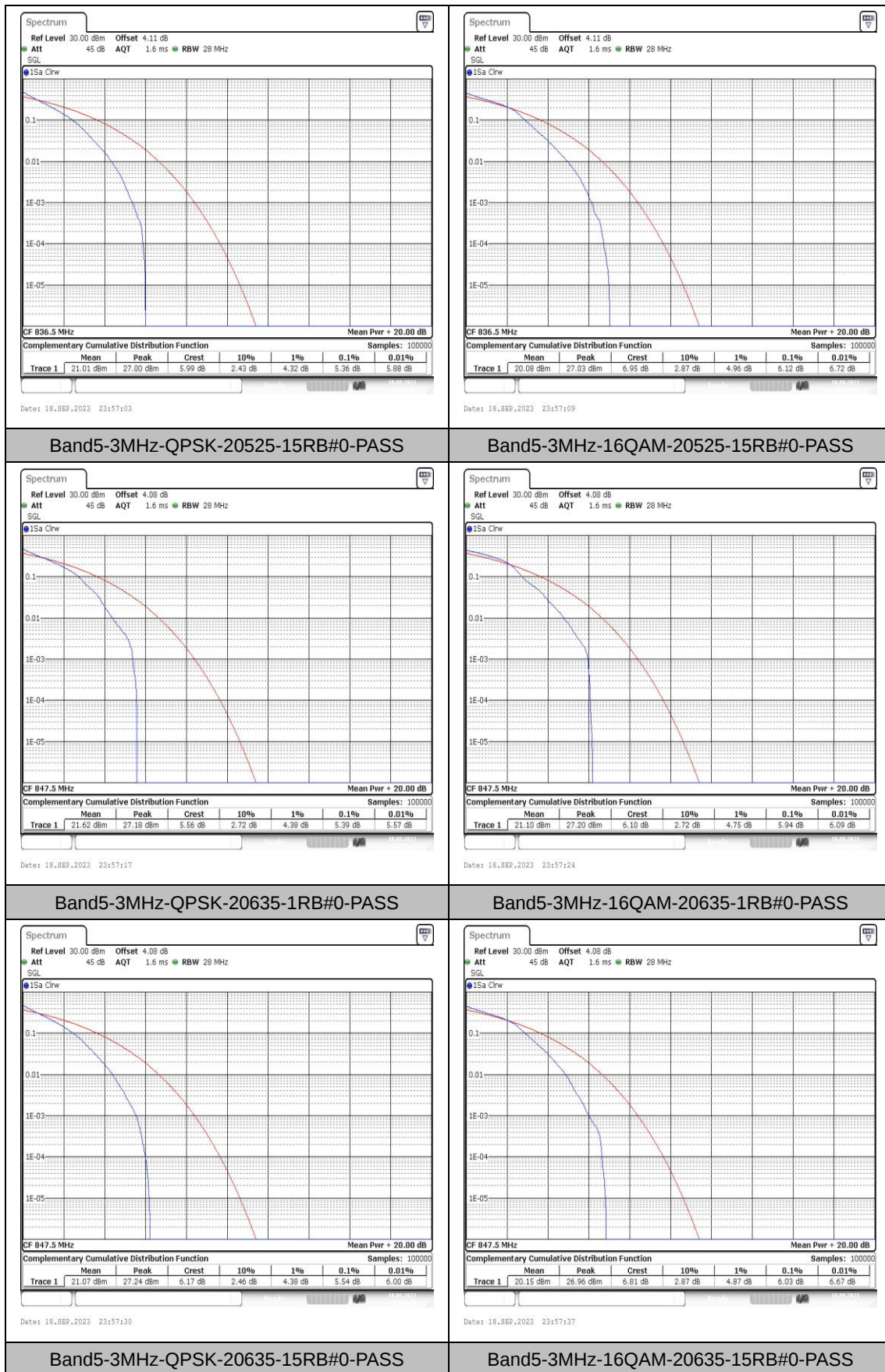
Band5	10MHz	QPSK	20450	1RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.87	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.57	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.23	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.38	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

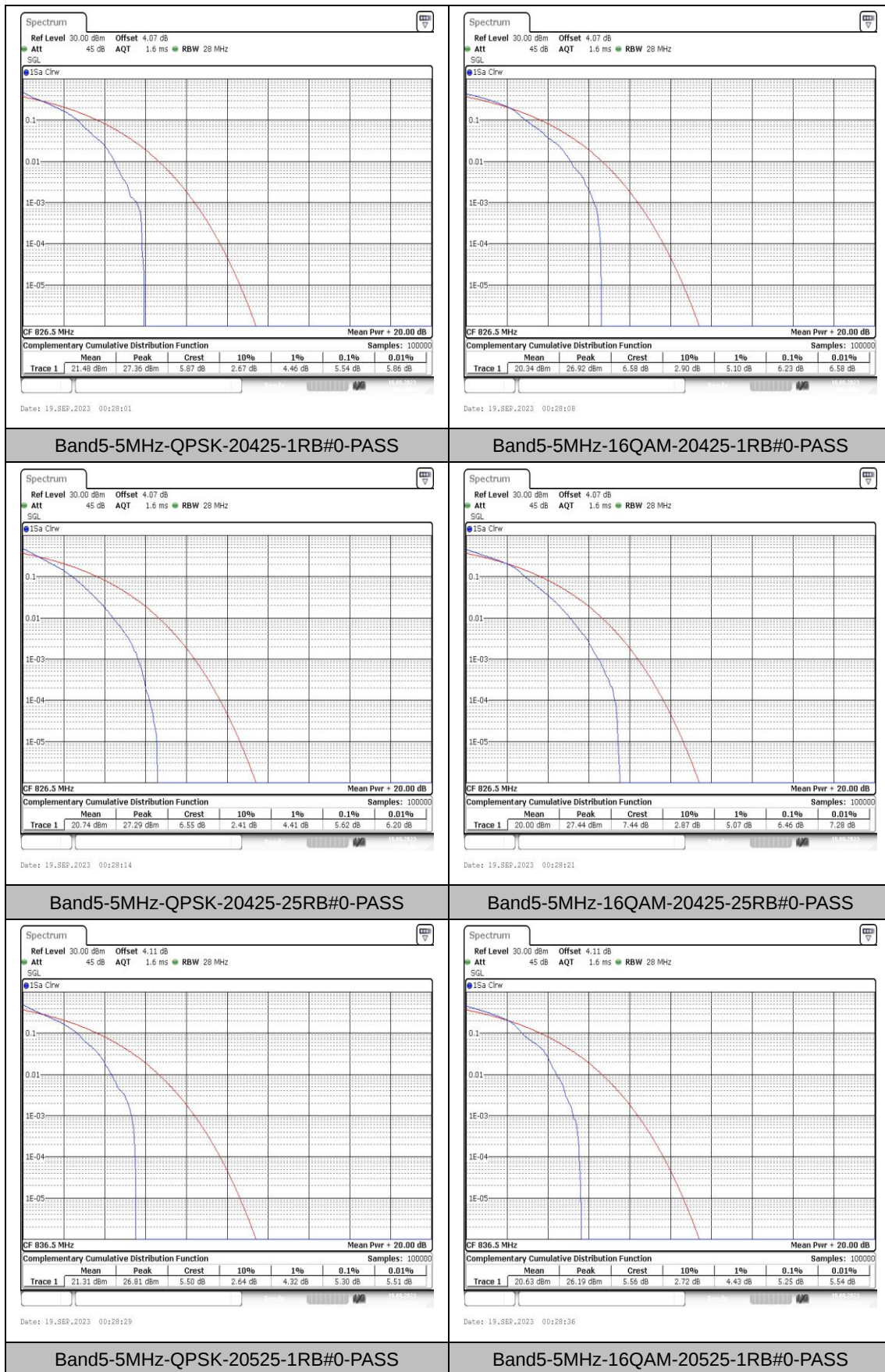
Test Graphs

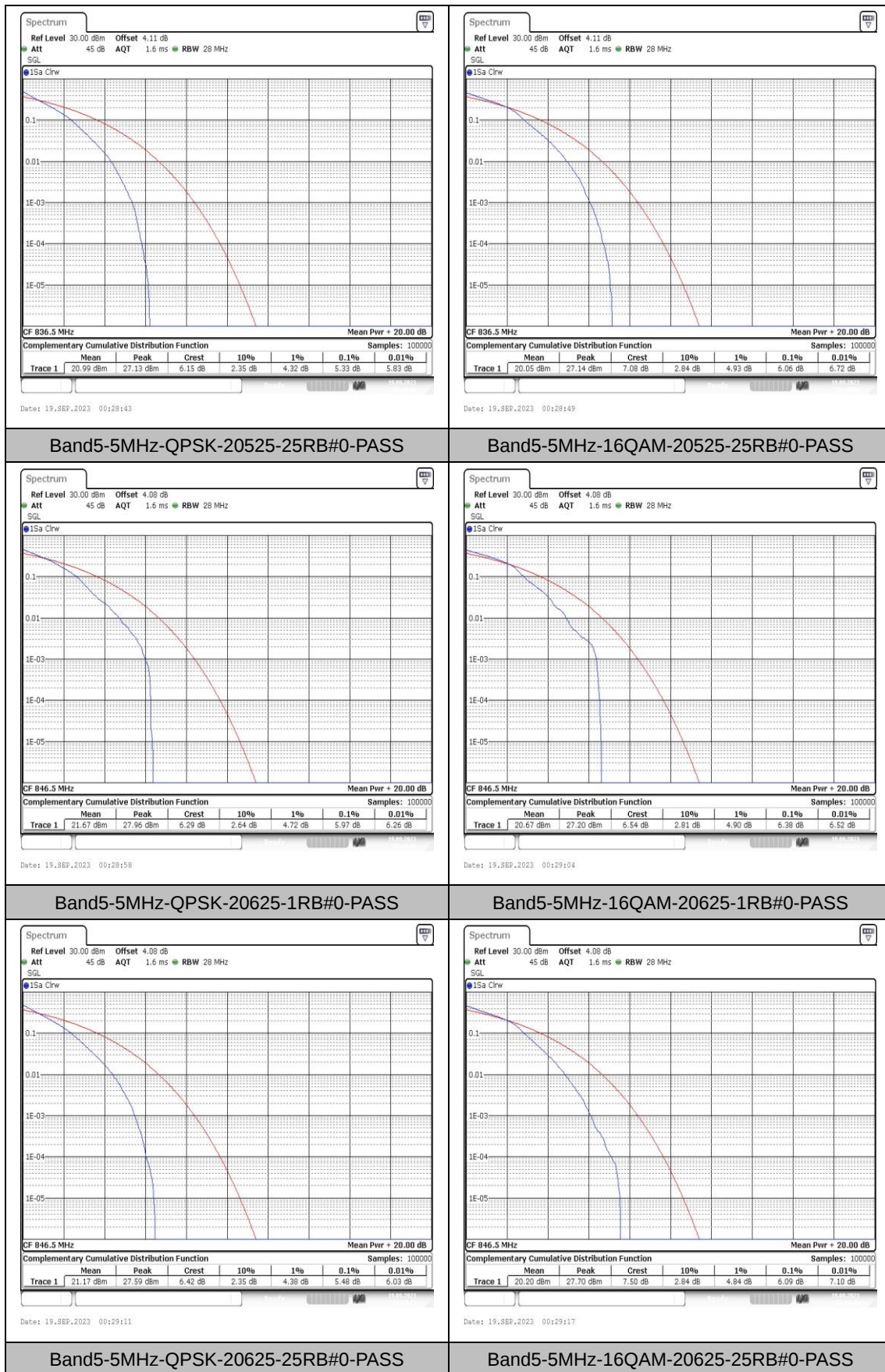


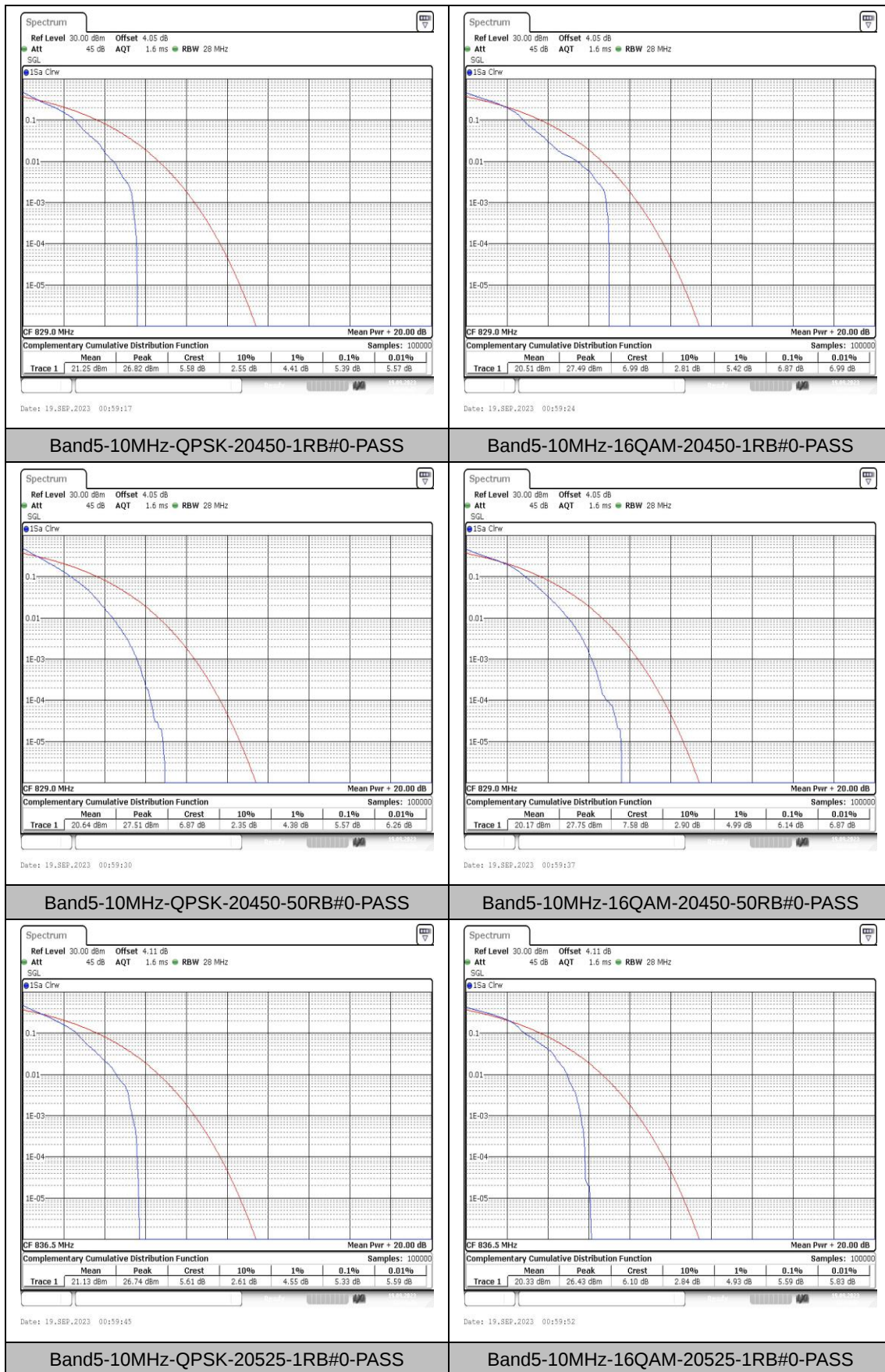


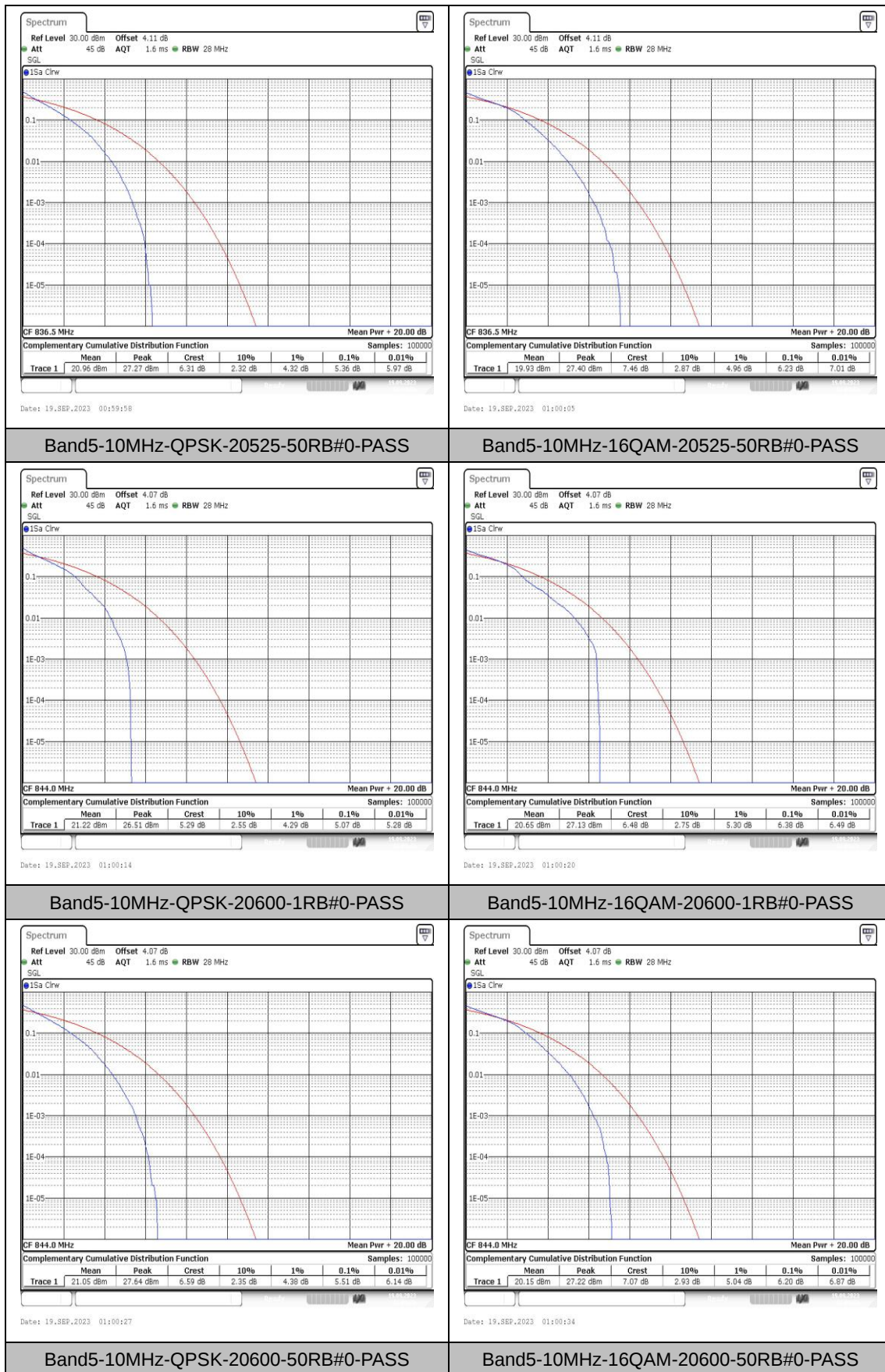










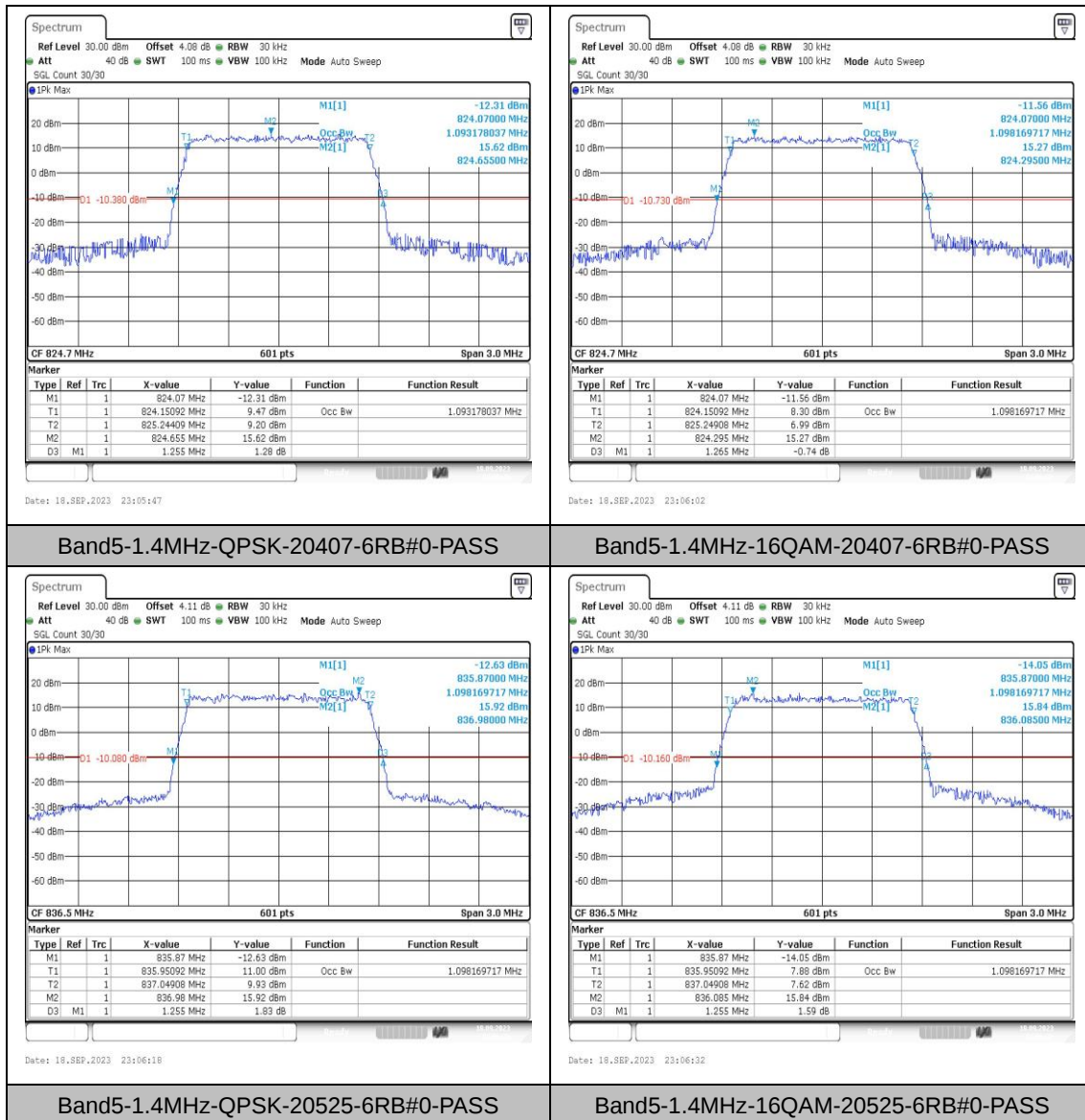


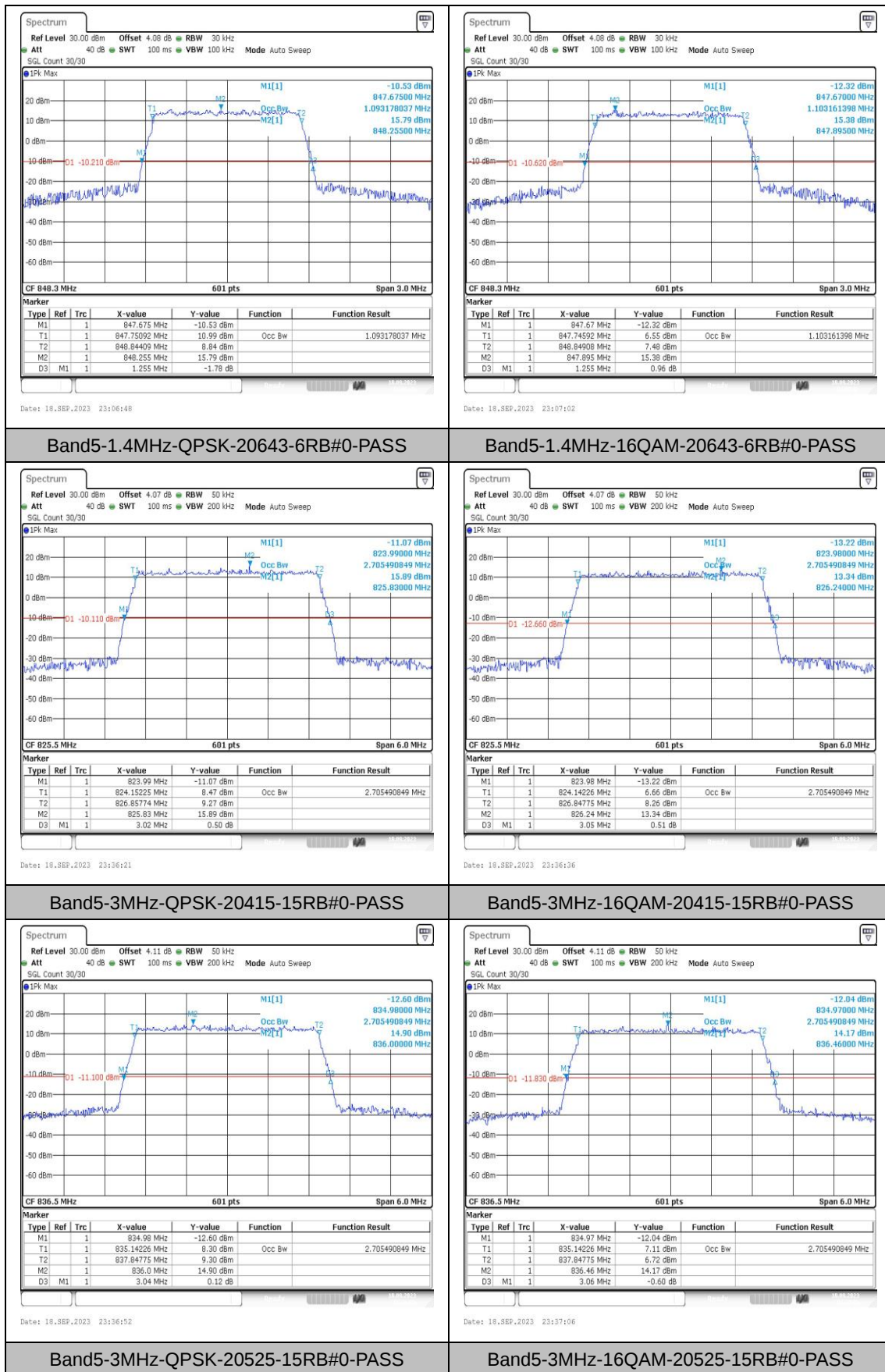
Appendix C: 26dB Bandwidth and Occupied Bandwidth

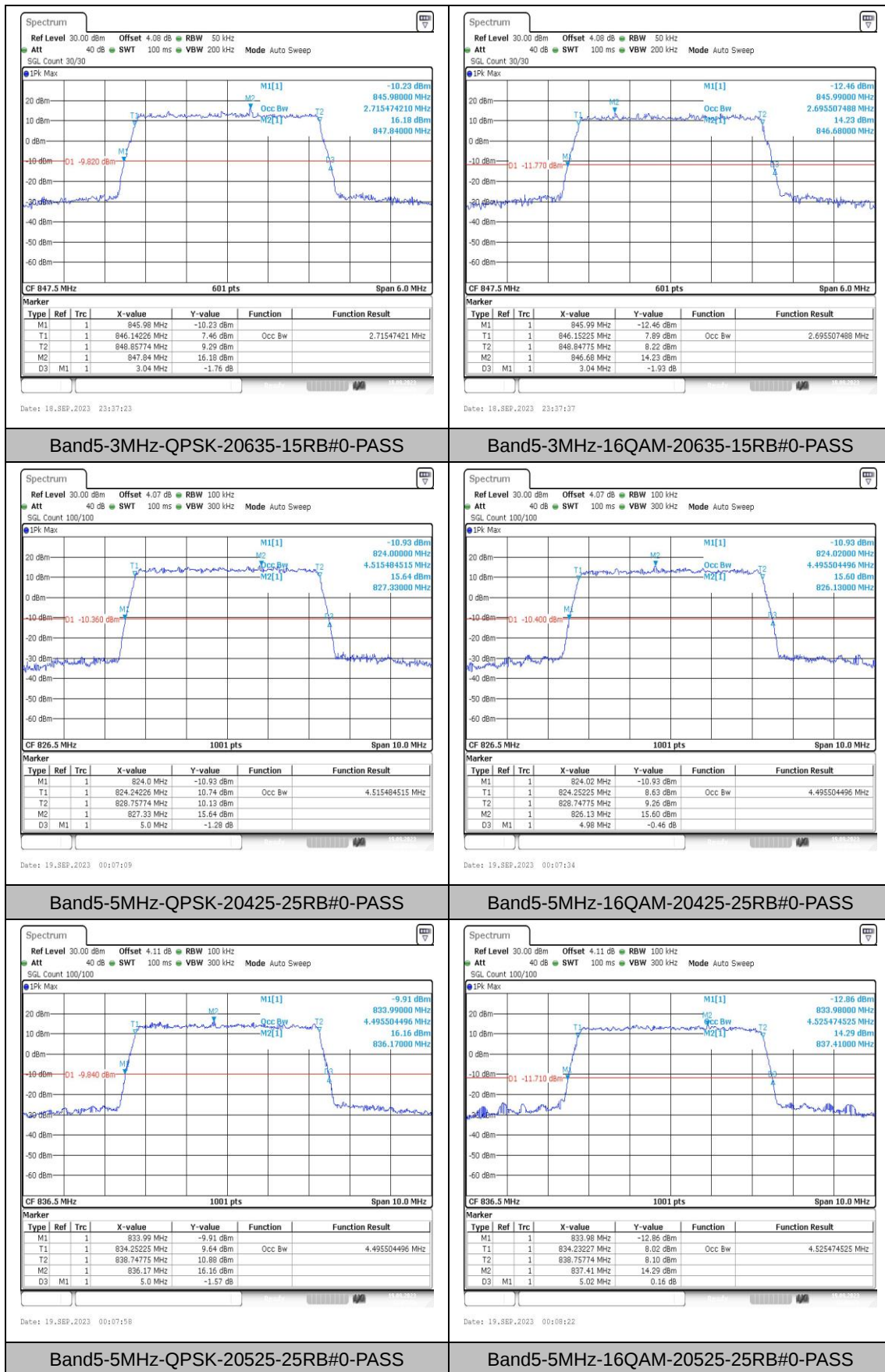
Test Result

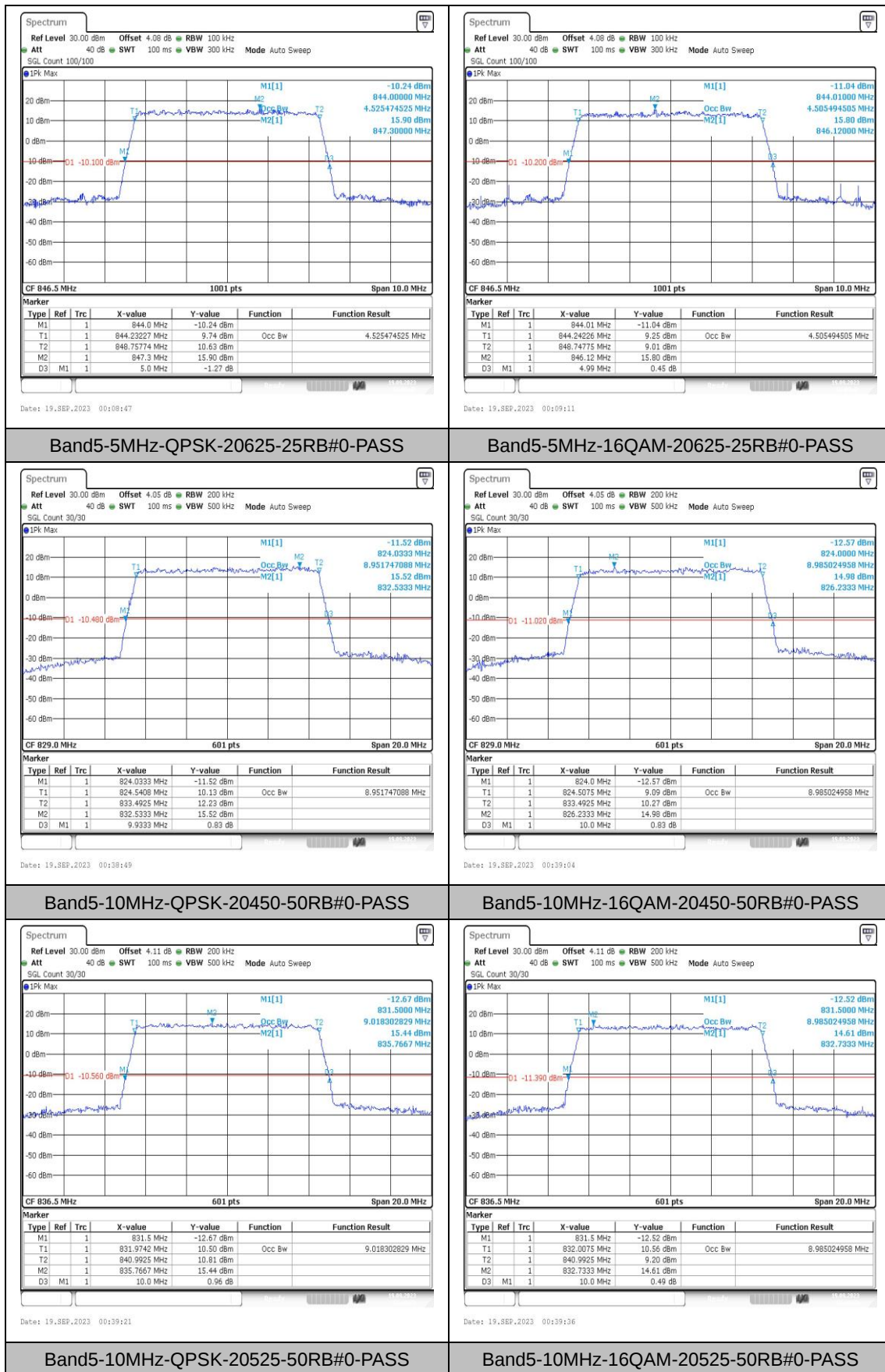
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.093	1.26	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.098	1.26	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.098	1.26	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.098	1.26	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.093	1.26	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.103	1.26	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.705	3.02	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.705	3.05	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.705	3.04	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.705	3.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.715	3.04	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.696	3.04	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.515	5.00	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.496	4.98	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.496	5.00	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.525	5.02	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.525	5.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.505	4.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.952	9.93	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	10.00	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.018	10.00	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.985	10.00	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.985	10.00	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.985	9.97	PASS

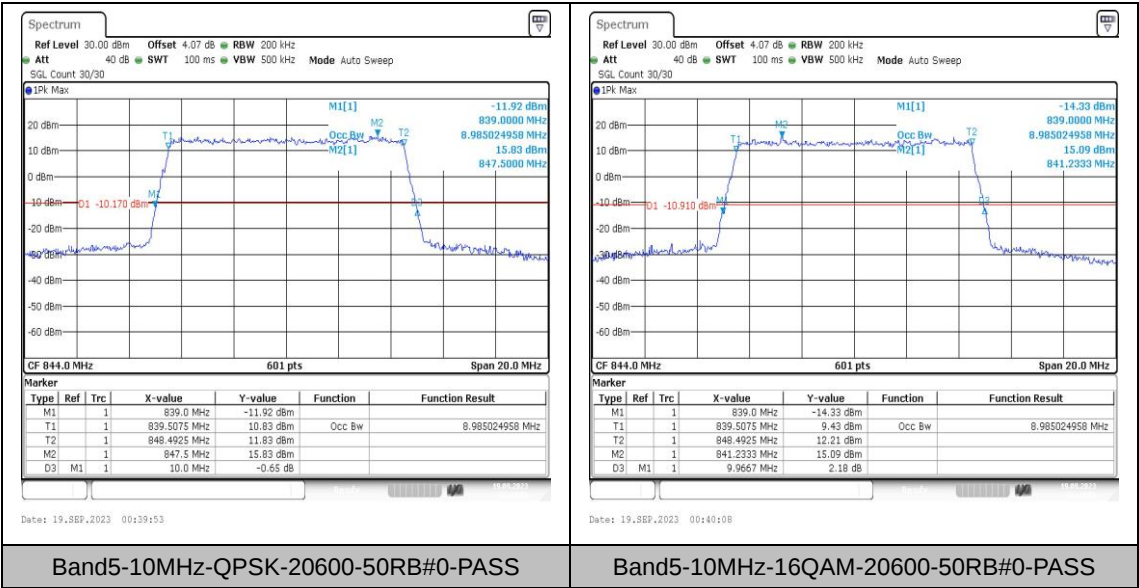
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-32.36	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-32.05	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-51.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-45.57	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-40.22	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-41.20	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-45.96	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-42.87	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-31.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-31.64	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-35.77	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-35.78	PASS
Band5	3MHz	QPSK	20415	1RB#0	-16.72	PASS
Band5	3MHz	16QAM	20415	1RB#0	-17.71	PASS
Band5	3MHz	QPSK	20415	1RB#14	-30.25	PASS
Band5	3MHz	16QAM	20415	1RB#14	-31.08	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.27	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.78	PASS
Band5	3MHz	QPSK	20635	1RB#0	-29.37	PASS
Band5	3MHz	16QAM	20635	1RB#0	-30.12	PASS
Band5	3MHz	QPSK	20635	1RB#14	-15.94	PASS
Band5	3MHz	16QAM	20635	1RB#14	-17.13	PASS
Band5	3MHz	QPSK	20635	15RB#0	-26.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	-27.46	PASS
Band5	5MHz	QPSK	20425	1RB#0	-22.39	PASS
Band5	5MHz	16QAM	20425	1RB#0	-23.13	PASS
Band5	5MHz	QPSK	20425	1RB#24	-39.90	PASS
Band5	5MHz	16QAM	20425	1RB#24	-40.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	-33.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	-34.08	PASS
Band5	5MHz	QPSK	20625	1RB#0	-39.81	PASS
Band5	5MHz	16QAM	20625	1RB#0	-40.49	PASS
Band5	5MHz	QPSK	20625	1RB#24	-21.55	PASS
Band5	5MHz	16QAM	20625	1RB#24	-22.64	PASS
Band5	5MHz	QPSK	20625	25RB#0	-32.63	PASS
Band5	5MHz	16QAM	20625	25RB#0	-33.88	PASS

Band5	10MHz	QPSK	20450	1RB#0	-25.39	PASS
Band5	10MHz	16QAM	20450	1RB#0	-25.33	PASS
Band5	10MHz	QPSK	20450	1RB#49	-42.95	PASS
Band5	10MHz	16QAM	20450	1RB#49	-42.91	PASS
Band5	10MHz	QPSK	20450	50RB#0	-36.73	PASS
Band5	10MHz	16QAM	20450	50RB#0	-37.41	PASS
Band5	10MHz	QPSK	20600	1RB#0	-43.33	PASS
Band5	10MHz	16QAM	20600	1RB#0	-43.04	PASS
Band5	10MHz	QPSK	20600	1RB#49	-23.88	PASS
Band5	10MHz	16QAM	20600	1RB#49	-23.99	PASS
Band5	10MHz	QPSK	20600	50RB#0	-35.67	PASS
Band5	10MHz	16QAM	20600	50RB#0	-35.83	PASS

Test Graphs

