

Appendix for LTE Band 5

Product Name: Smart Phone

Model No: G96

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.86	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.77	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.91	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.97	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.88	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.03	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	20.97	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.00	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.84	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.11	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.80	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.83	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.91	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.82	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.92	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.94	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.91	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	20.93	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.00	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.21	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.96	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.84	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.12	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.79	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.07	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.85	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.81	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.97	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.02	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.97	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.03	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	20.96	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	21.23	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	20.96	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	20.88	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.08	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.82	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.05	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.58	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.74	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.74	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.82	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.64	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.25	PASS
Band5	3MHz	16QAM	20415	1RB#14	20.55	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.08	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.01	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.06	PASS
Band5	5MHz	QPSK	20425	12RB#0	20.92	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.00	PASS
Band5	5MHz	QPSK	20425	12RB#13	20.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	20.92	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.04	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.35	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.11	PASS
Band5	5MHz	16QAM	20425	12RB#0	19.95	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.13	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.03	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.98	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.03	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.92	PASS
Band5	5MHz	QPSK	20525	12RB#0	20.93	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.04	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.00	PASS
Band5	5MHz	QPSK	20525	25RB#0	20.97	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.24	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.41	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.25	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.05	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.16	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.07	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.07	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.05	PASS

Band5	5MHz	QPSK	20625	1RB#12	22.06	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.04	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.00	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.05	PASS
Band5	5MHz	QPSK	20625	12RB#13	20.98	PASS
Band5	5MHz	QPSK	20625	25RB#0	20.99	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.08	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.39	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.10	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.08	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.11	PASS
Band5	5MHz	16QAM	20625	12RB#13	19.98	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.14	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.03	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.19	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.08	PASS
Band5	10MHz	QPSK	20450	25RB#0	20.90	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.02	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.01	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.03	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.03	PASS
Band5	10MHz	16QAM	20450	25RB#0	19.95	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.09	PASS
Band5	10MHz	16QAM	20450	25RB#25	19.98	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.00	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.07	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.07	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.11	PASS
Band5	10MHz	QPSK	20525	25RB#0	20.98	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.08	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.08	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.07	PASS
Band5	10MHz	16QAM	20525	1RB#0	20.95	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.58	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.98	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.01	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.12	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.12	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.10	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.04	PASS

Band5	10MHz	QPSK	20600	1RB#24	22.16	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.04	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.02	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.08	PASS
Band5	10MHz	QPSK	20600	25RB#25	20.87	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.00	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.07	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.41	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.07	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.04	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.19	PASS
Band5	10MHz	16QAM	20600	25RB#25	19.97	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.05	PASS

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

Test Result

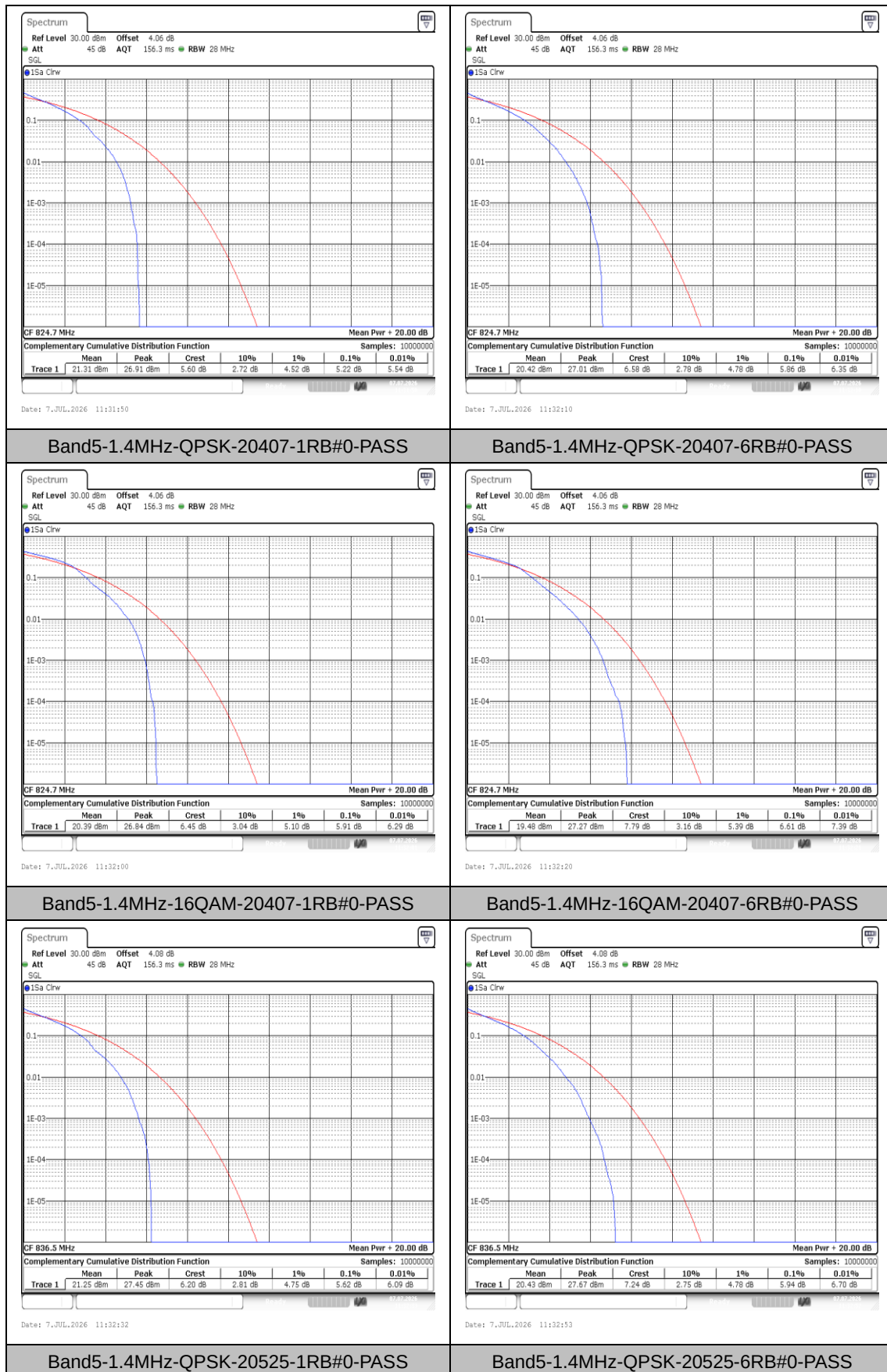
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.22	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.86	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.91	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.61	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.62	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.61	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.81	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.28	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.68	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.09	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.43	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.39	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.71	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.49	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.64	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.59	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.91	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.72	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.84	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.22	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.32	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.49	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.54	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.94	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.09	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.67	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.57	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.23	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.75	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.22	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.71	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.49	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.22	13	PASS

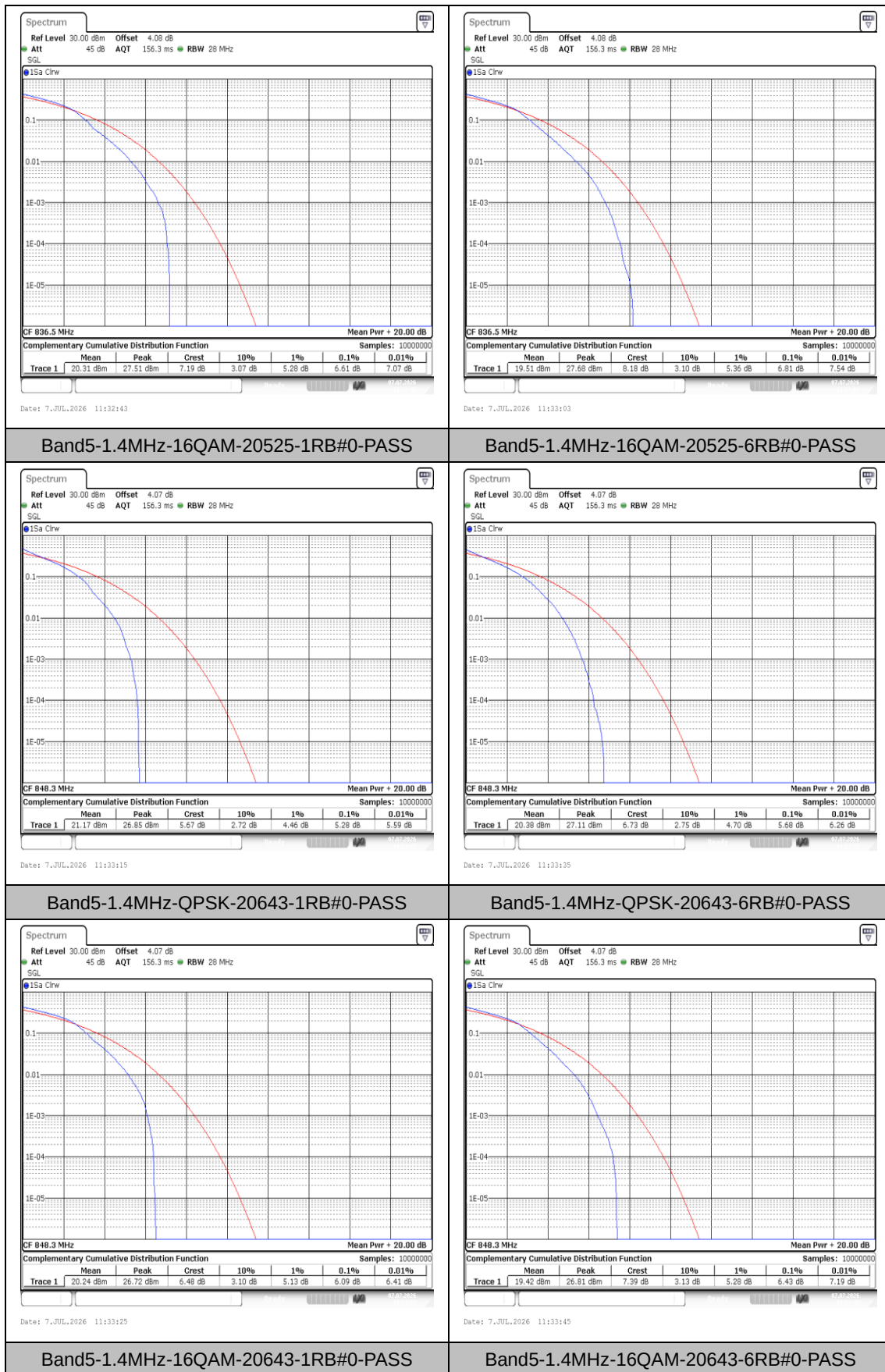
Waltek Testing Group (Shenzhen) Co., Ltd.

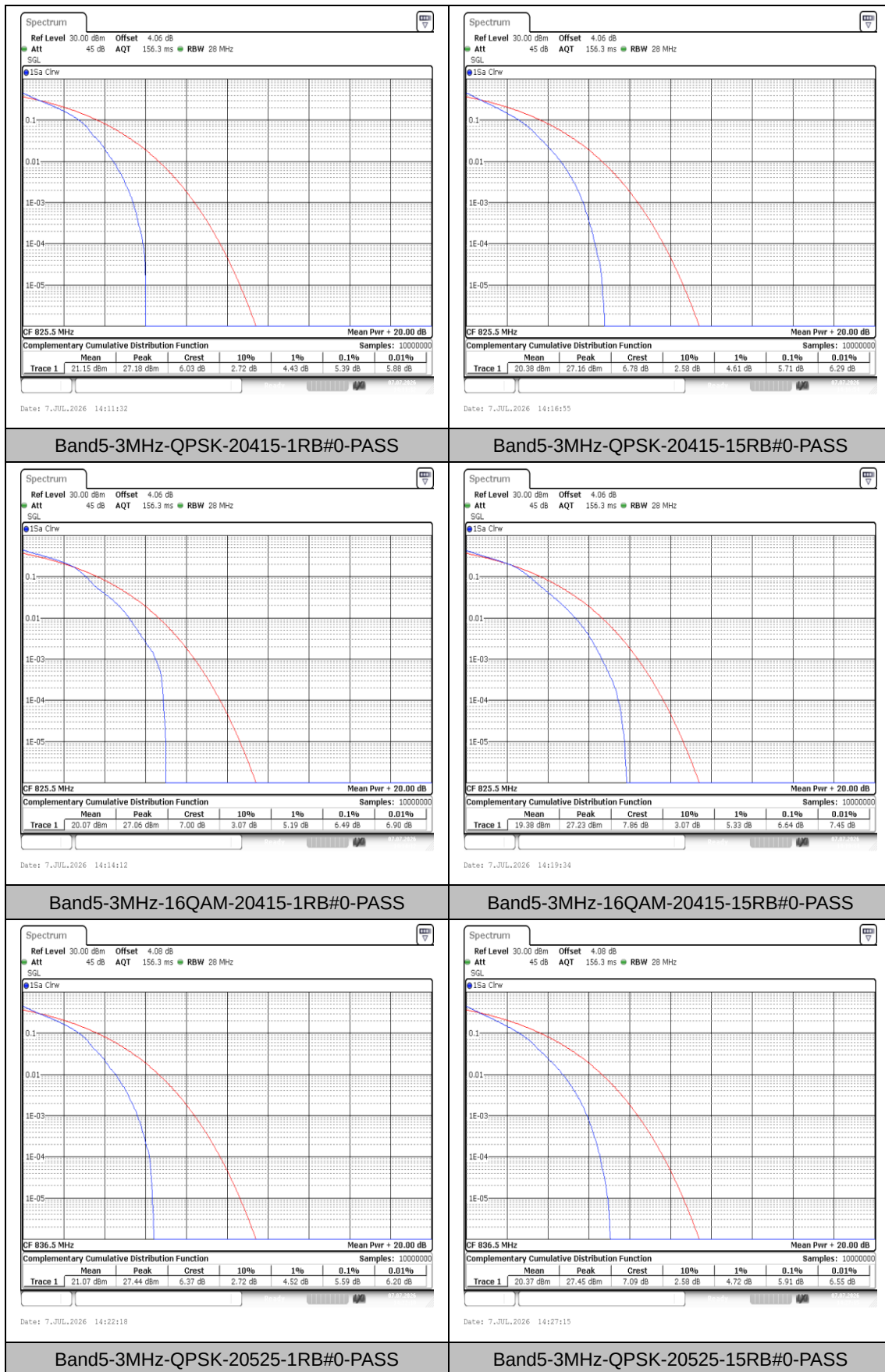
[Http://www.waltek.com.cn](http://www.waltek.com.cn)

Band5	10MHz	QPSK	20450	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.14	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.67	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.23	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.72	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.42	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.64	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.55	13	PASS

Test Graphs









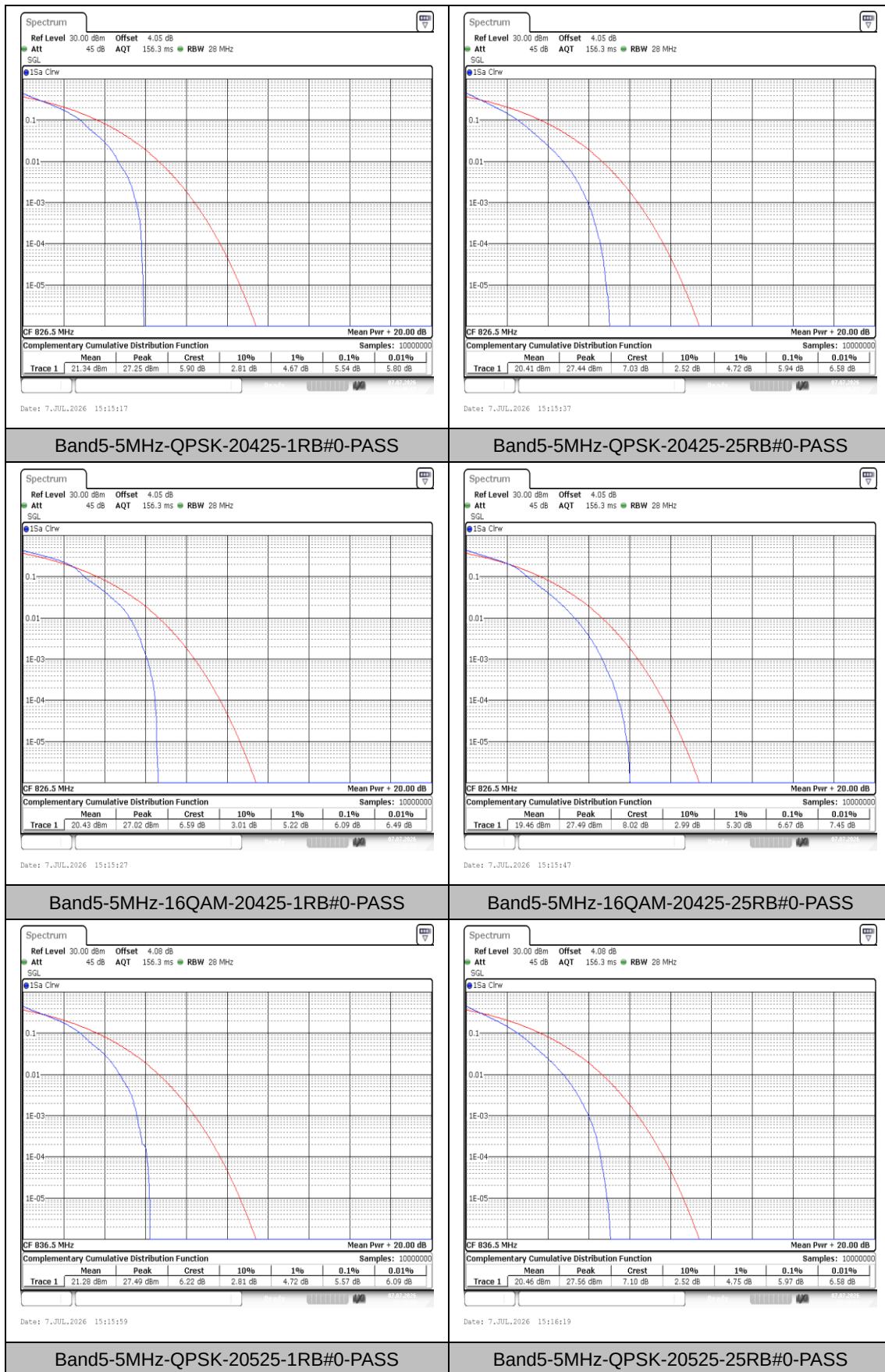
Band5-3MHz-16QAM-20525-15RB#0-PASS

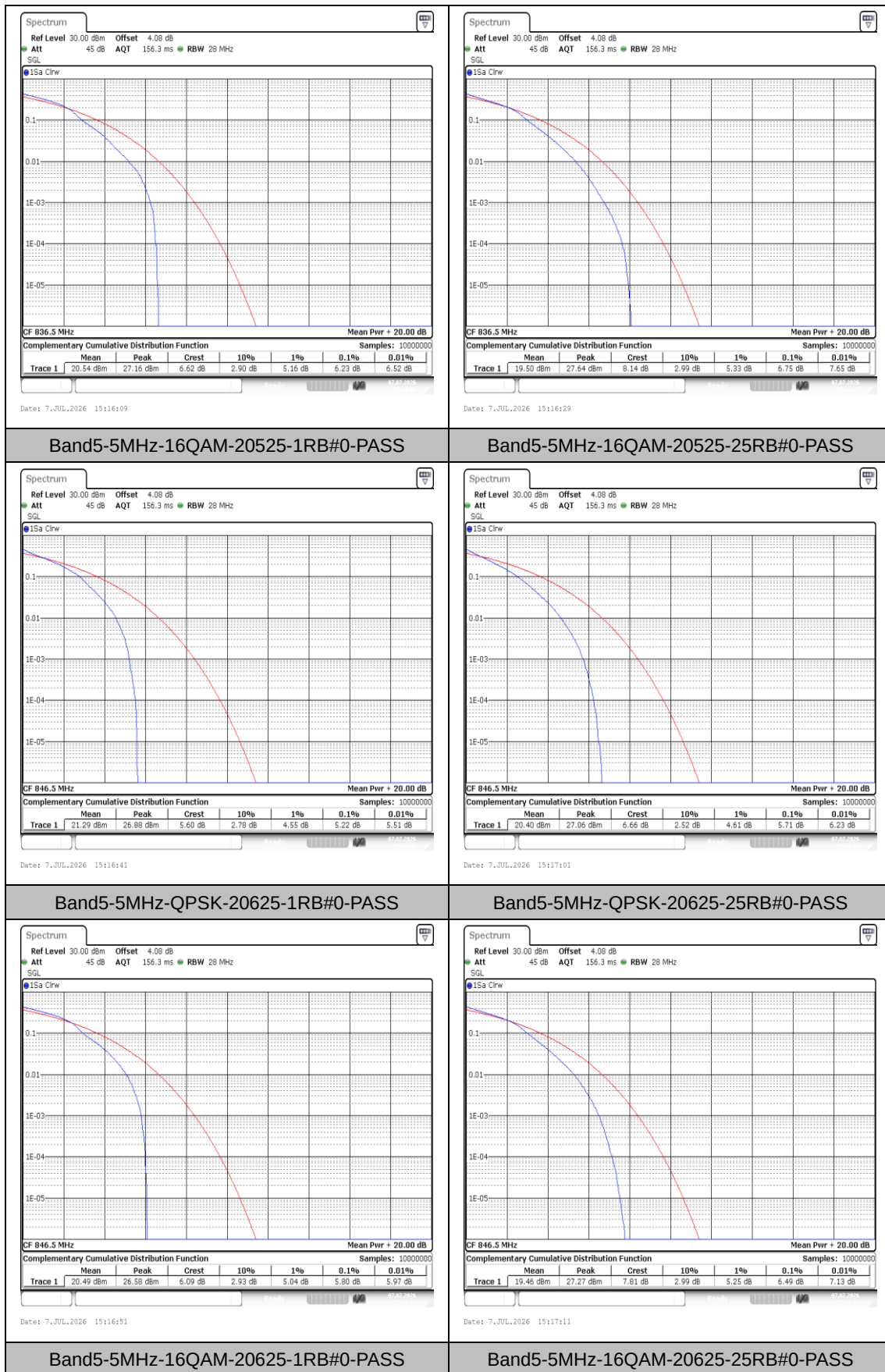


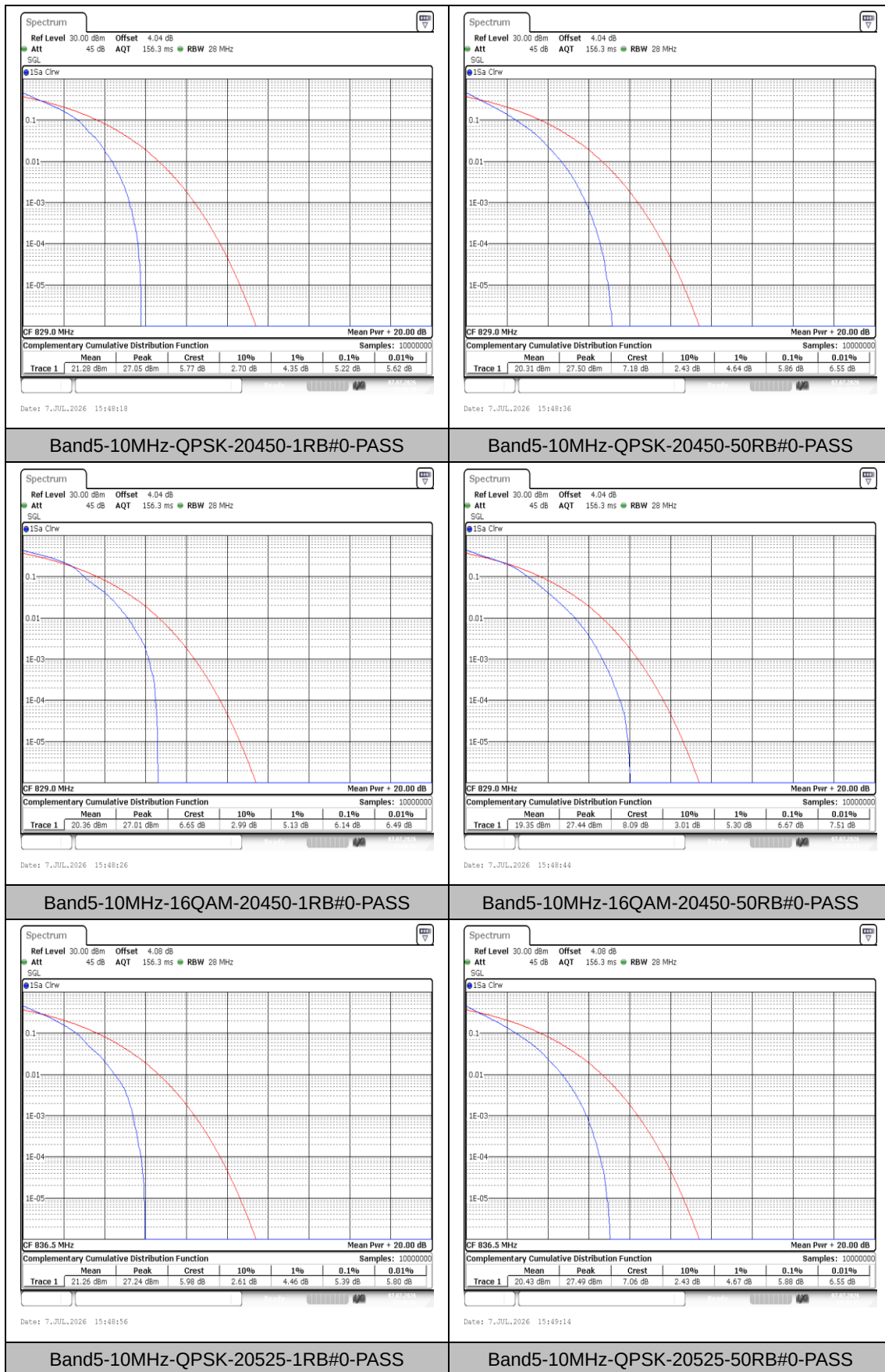
Band5-3MHz-QPSK-20635-15RB#0-PASS

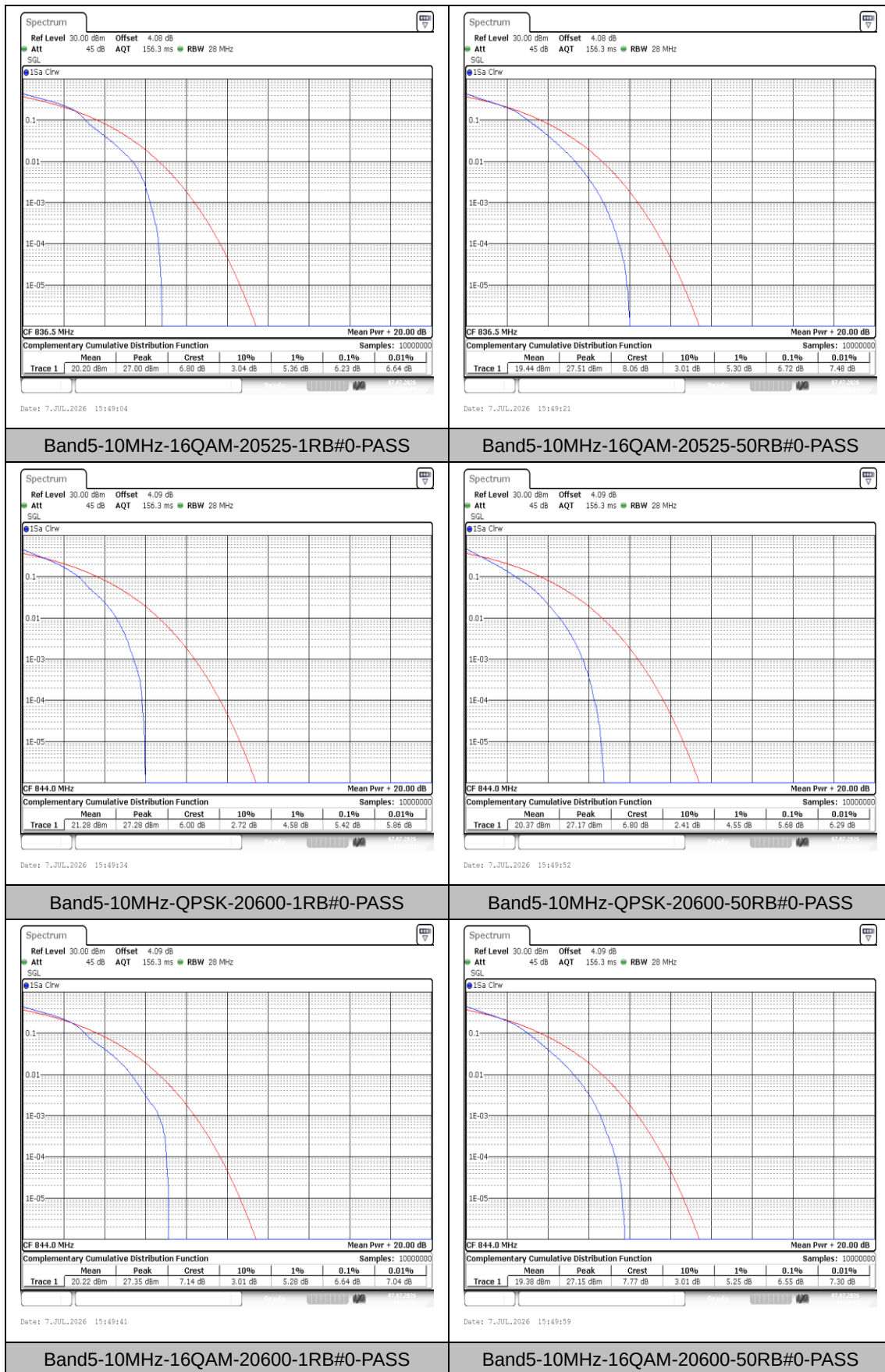


Band5-3MHz-16QAM-20635-15RB#0-PASS







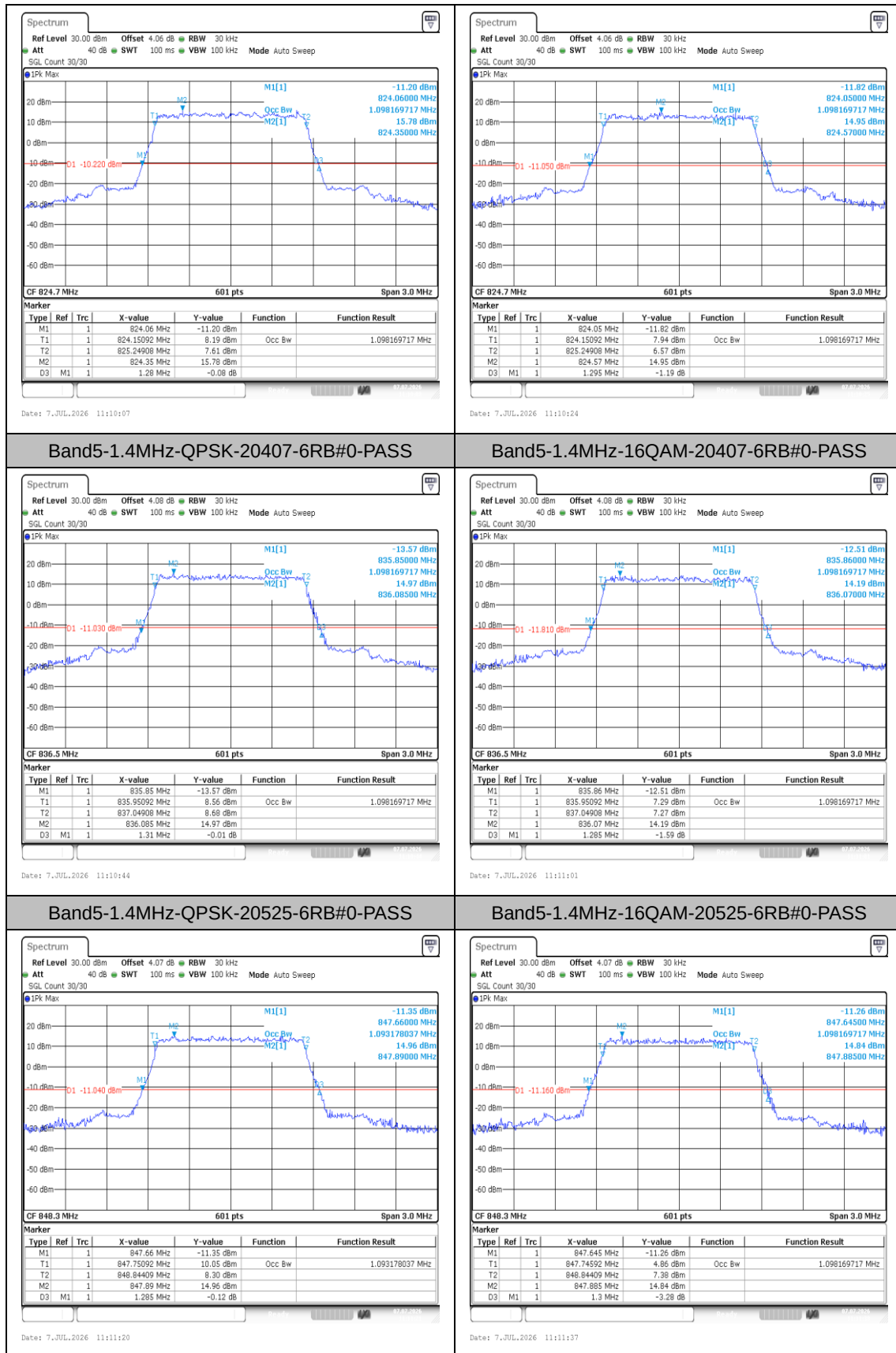


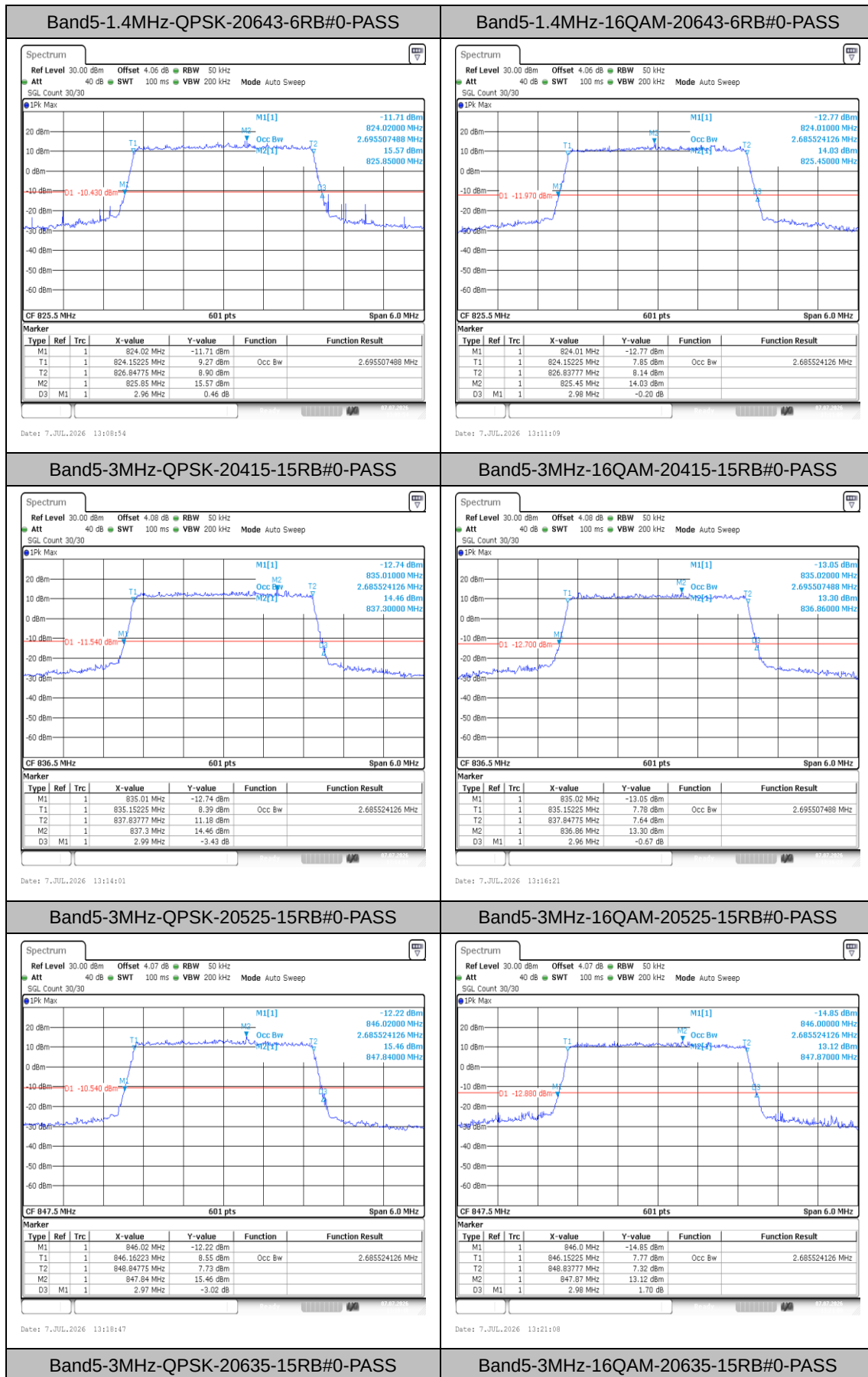
Appendix C: 26dB Bandwidth and Occupied Bandwidth

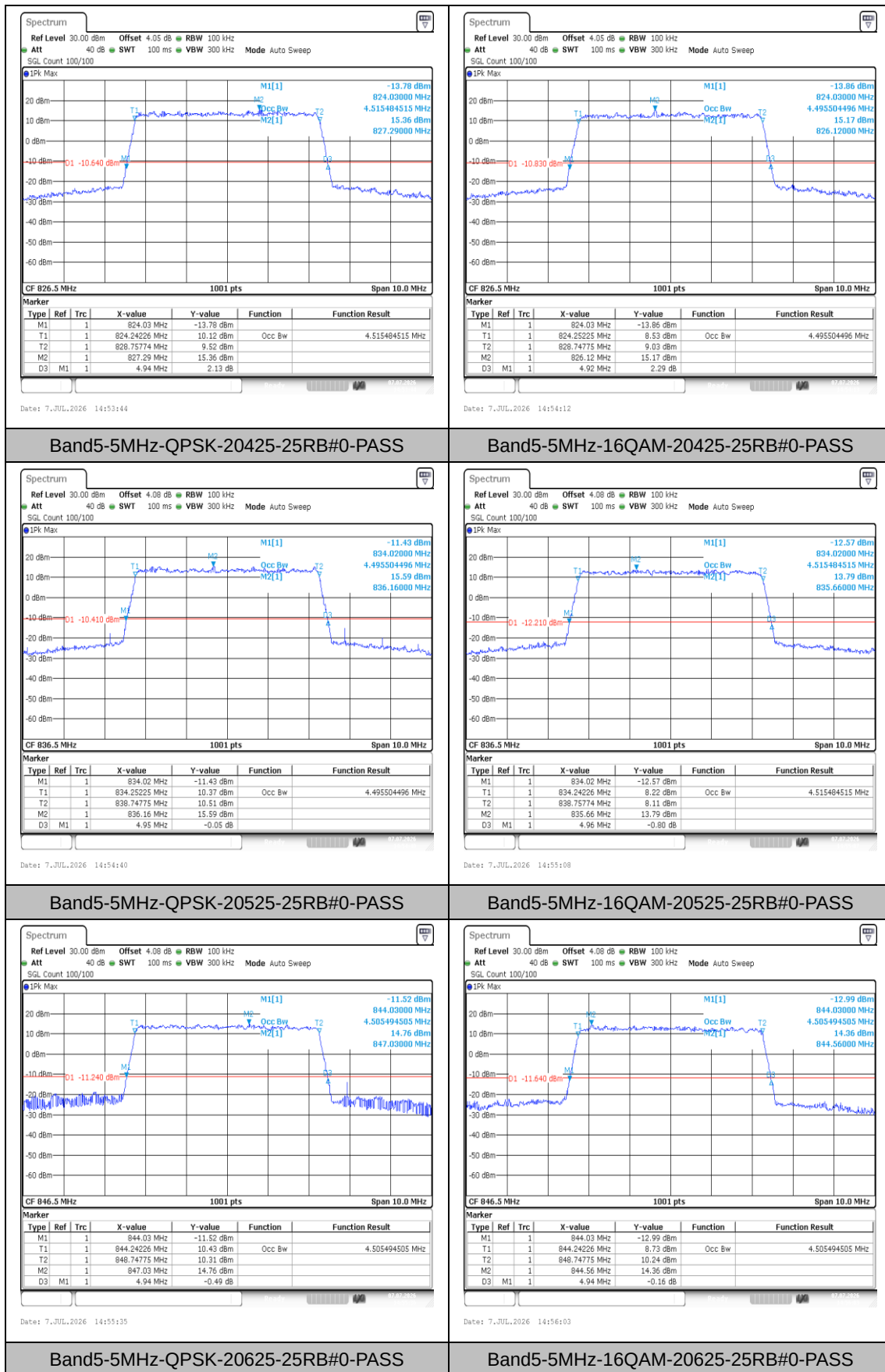
Test Result

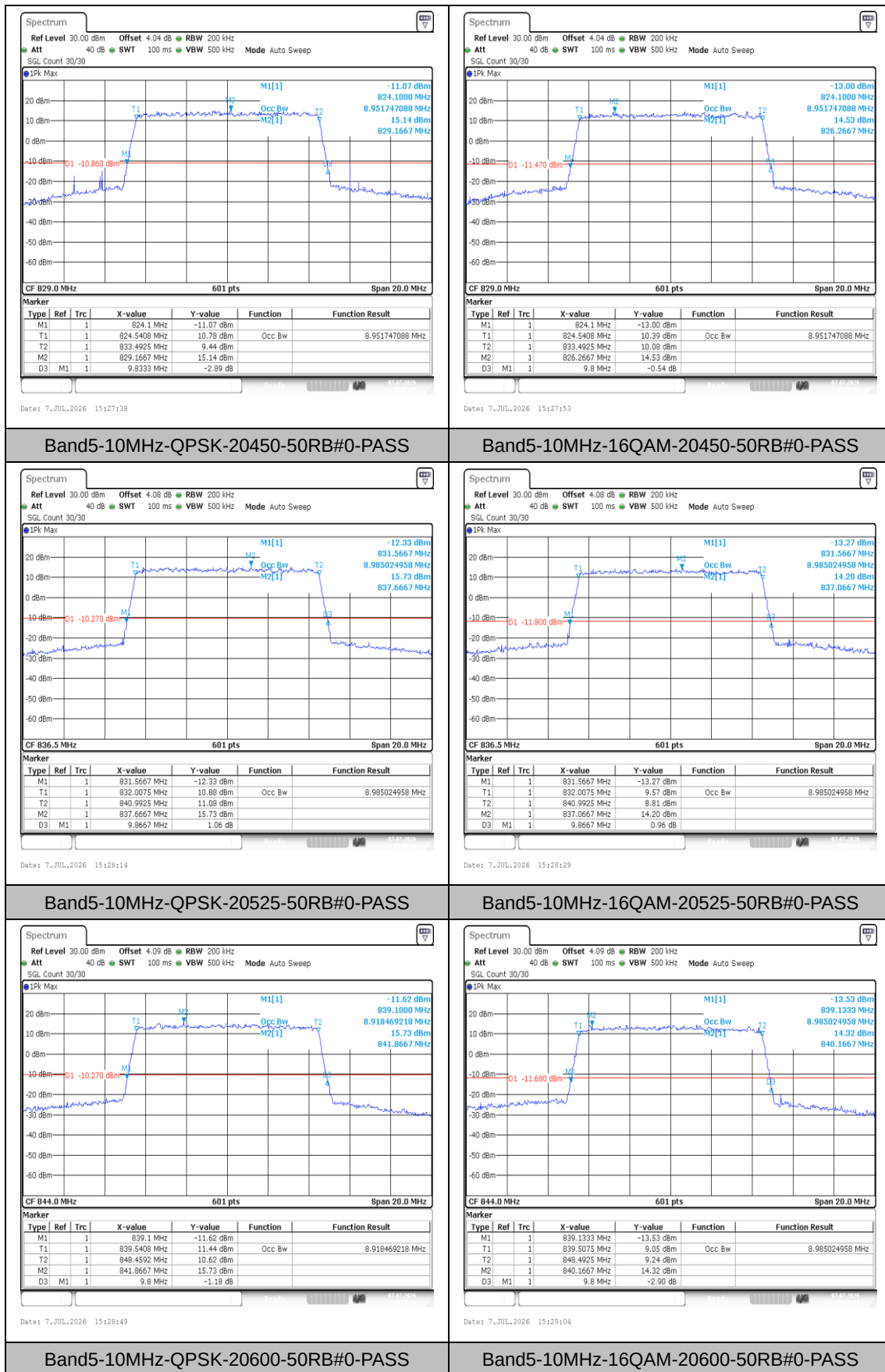
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0982	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0982	1.30	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0982	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0982	1.29	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0932	1.29	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0982	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6955	2.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6855	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6855	2.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6955	2.96	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6855	2.97	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6855	2.98	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5155	4.94	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4955	4.92	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4955	4.95	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5155	4.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5055	4.94	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5055	4.94	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9517	9.83	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9517	9.80	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9850	9.87	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9850	9.87	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9185	9.80	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9850	9.80	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	-31.33	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-48.43	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-34.01	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-31.69	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-49.06	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-34.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-48.89	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-29.49	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-35.02	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-49.50	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-31.81	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-35.28	PASS
Band5	3MHz	QPSK	20415	1RB#0	-18.89	PASS
Band5	3MHz	QPSK	20415	1RB#14	-42.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	-29.71	PASS
Band5	3MHz	16QAM	20415	1RB#0	-19.98	PASS
Band5	3MHz	16QAM	20415	1RB#14	-42.70	PASS
Band5	3MHz	16QAM	20415	15RB#0	-31.22	PASS
Band5	3MHz	QPSK	20635	1RB#0	-43.05	PASS
Band5	3MHz	QPSK	20635	1RB#14	-19.86	PASS
Band5	3MHz	QPSK	20635	15RB#0	-31.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	-43.89	PASS
Band5	3MHz	16QAM	20635	1RB#14	-20.68	PASS
Band5	3MHz	16QAM	20635	15RB#0	-31.53	PASS
Band5	5MHz	QPSK	20425	1RB#0	-25.57	PASS
Band5	5MHz	QPSK	20425	1RB#24	-45.34	PASS
Band5	5MHz	QPSK	20425	25RB#0	-34.11	PASS
Band5	5MHz	16QAM	20425	1RB#0	-26.04	PASS
Band5	5MHz	16QAM	20425	1RB#24	-45.67	PASS
Band5	5MHz	16QAM	20425	25RB#0	-35.00	PASS
Band5	5MHz	QPSK	20625	1RB#0	-45.23	PASS
Band5	5MHz	QPSK	20625	1RB#24	-25.59	PASS
Band5	5MHz	QPSK	20625	25RB#0	-35.84	PASS
Band5	5MHz	16QAM	20625	1RB#0	-46.41	PASS
Band5	5MHz	16QAM	20625	1RB#24	-25.92	PASS

Band5	5MHz	16QAM	20625	25RB#0	-35.69	PASS
Band5	10MHz	QPSK	20450	1RB#0	-28.73	PASS
Band5	10MHz	QPSK	20450	1RB#49	-44.98	PASS
Band5	10MHz	QPSK	20450	50RB#0	-35.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	-29.55	PASS
Band5	10MHz	16QAM	20450	1RB#49	-45.10	PASS
Band5	10MHz	16QAM	20450	50RB#0	-36.04	PASS
Band5	10MHz	QPSK	20600	1RB#0	-44.13	PASS
Band5	10MHz	QPSK	20600	1RB#49	-28.00	PASS
Band5	10MHz	QPSK	20600	50RB#0	-36.39	PASS
Band5	10MHz	16QAM	20600	1RB#0	-45.17	PASS
Band5	10MHz	16QAM	20600	1RB#49	-28.34	PASS
Band5	10MHz	16QAM	20600	50RB#0	-37.02	PASS

Test Graphs

