

Appendix for LTE BAND 5

Product Name: HTC Smartphone

Model No: Wildfire E7

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.81	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.84	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.86	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.88	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.83	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.59	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.56	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.63	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.72	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.64	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.64	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.63	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.80	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.63	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.70	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.67	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.67	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.77	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.49	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.52	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.50	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.65	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.51	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.71	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.01	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.82	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.79	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.87	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.79	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.95	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.61	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	21.92	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.61	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.62	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.70	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.58	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.82	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.86	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.90	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.85	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.93	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.96	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.92	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.83	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.88	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.80	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.81	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.91	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.90	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.88	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.86	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.85	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.80	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.83	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.84	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.87	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.81	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.79	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.67	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.88	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.61	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.80	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.73	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.69	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.68	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.92	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.97	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.90	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.98	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.05	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.91	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.93	PASS

Band5	3MHz	16QAM	20635	1RB#8	21.79	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.88	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.90	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.94	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.88	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.75	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.98	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.76	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.78	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.85	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.76	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.75	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.70	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.92	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.67	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.69	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.75	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.70	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.78	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.62	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.84	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.59	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.76	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.78	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.62	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.68	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.70	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.97	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.69	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.71	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.75	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.64	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.73	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.80	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.77	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.81	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.87	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.74	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.80	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.68	PASS

Band5	5MHz	16QAM	20625	1RB#12	21.92	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.68	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.73	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.80	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.65	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.77	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.79	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.07	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.66	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.85	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.81	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.79	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.81	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.78	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.88	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.70	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.84	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.74	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.75	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.79	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.73	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.92	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.75	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.86	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.78	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.78	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.78	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.60	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.99	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.59	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.83	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.78	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.75	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.70	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.74	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.98	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.76	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.93	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.91	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.81	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.84	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.77	PASS

Band5	10MHz	16QAM	20600	1RB#24	21.88	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.78	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.89	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.87	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.74	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.86	PASS

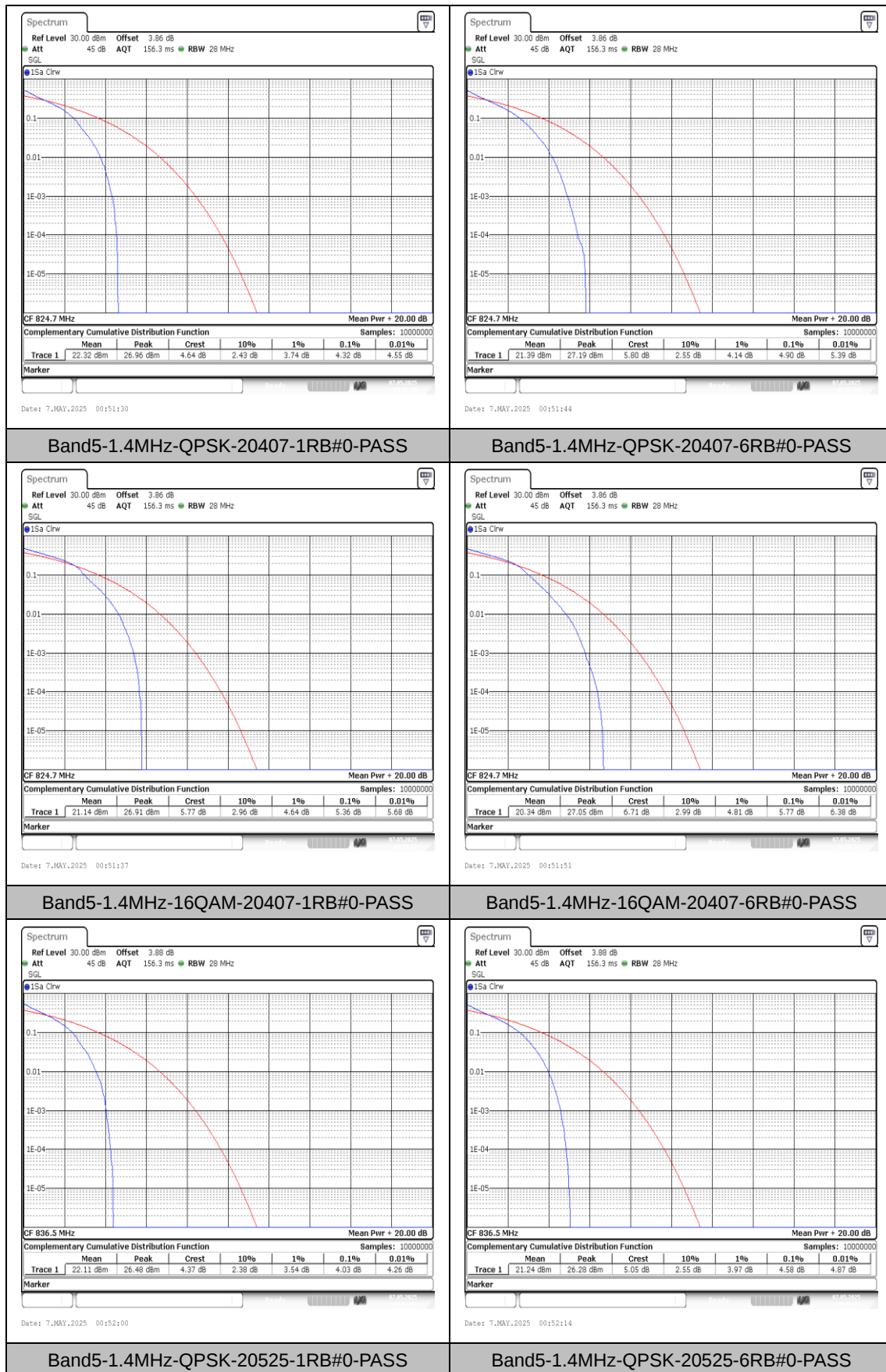
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.32	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.90	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.03	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.58	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.90	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.48	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.39	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3.94	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.90	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.29	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.16	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.83	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.97	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.84	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.48	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.51	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.06	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.67	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.04	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.46	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.04	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.83	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.23	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.78	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.96	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.59	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.06	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.41	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.81	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.41	13	PASS

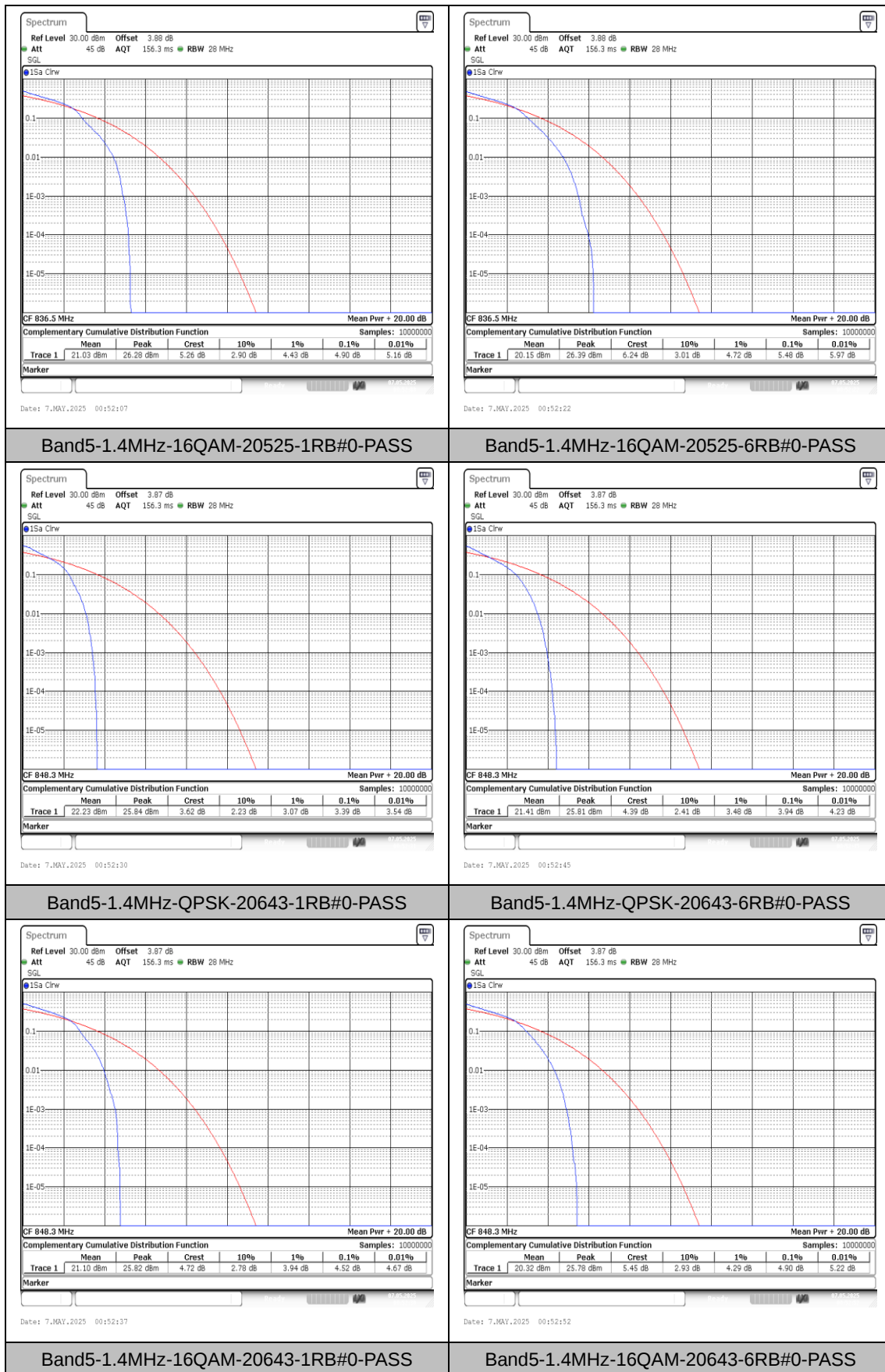
Band5	10MHz	QPSK	20450	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.80	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.20	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.81	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.26	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.67	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.54	13	PASS

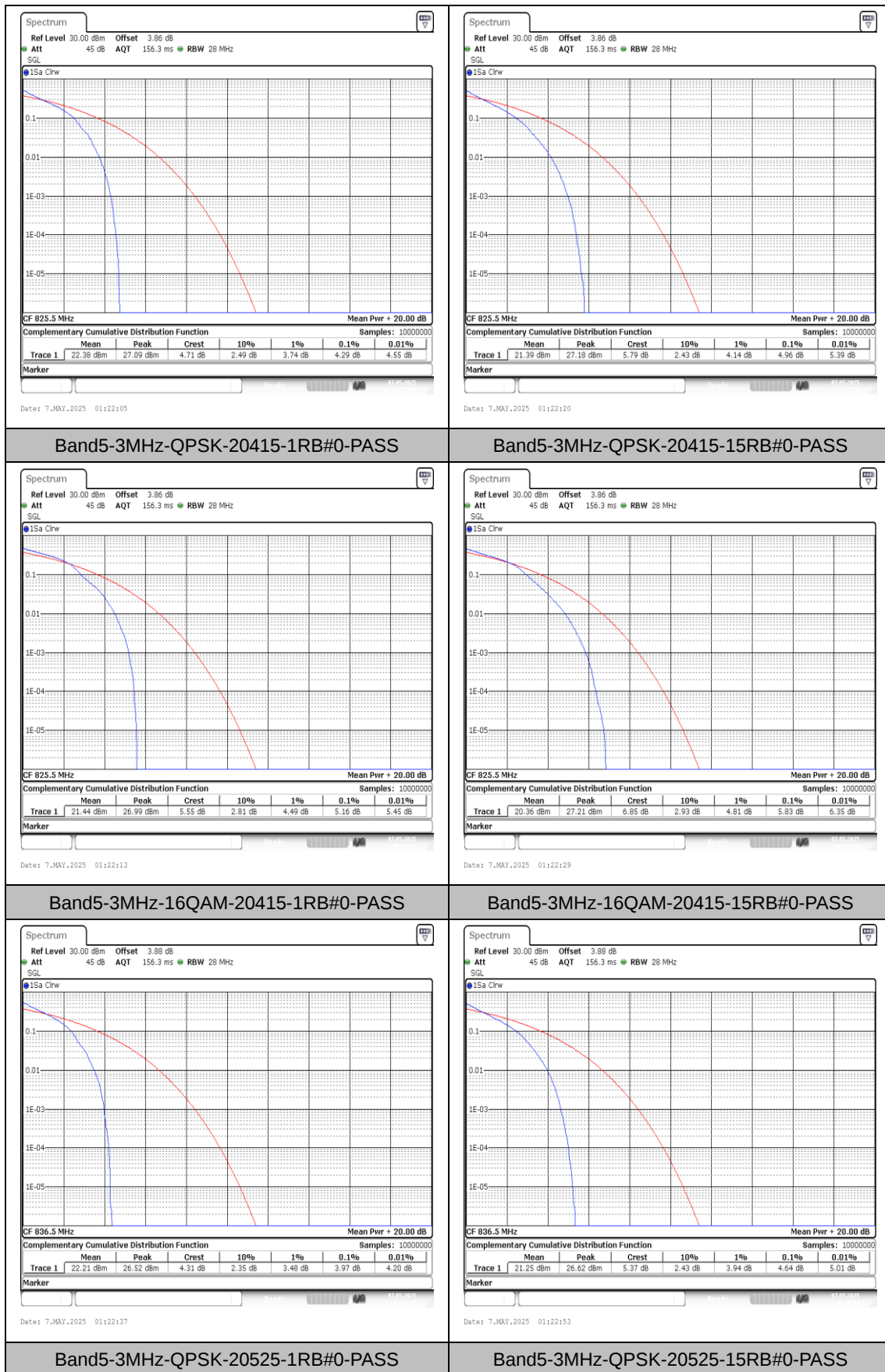
Test Graphs

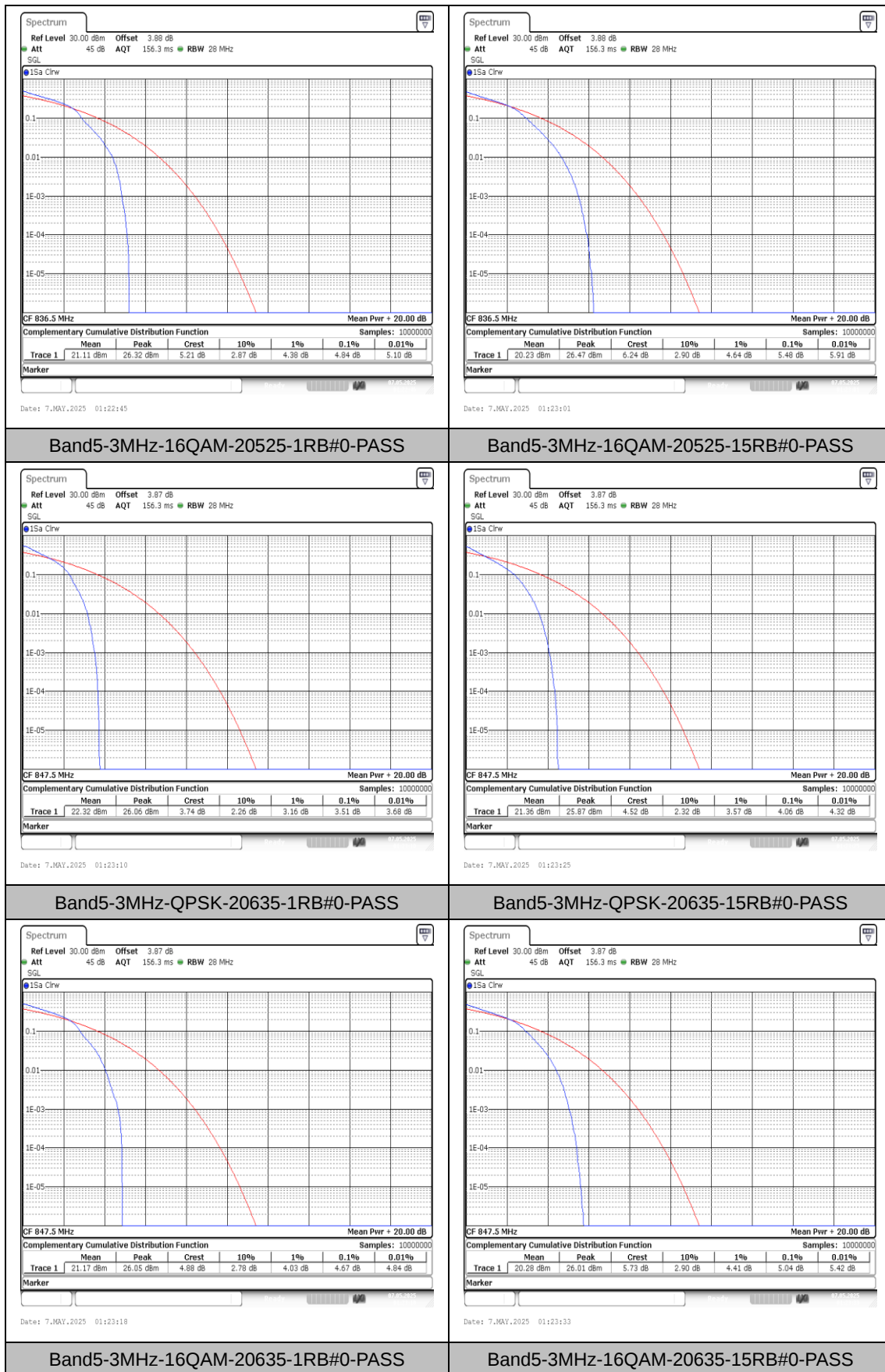


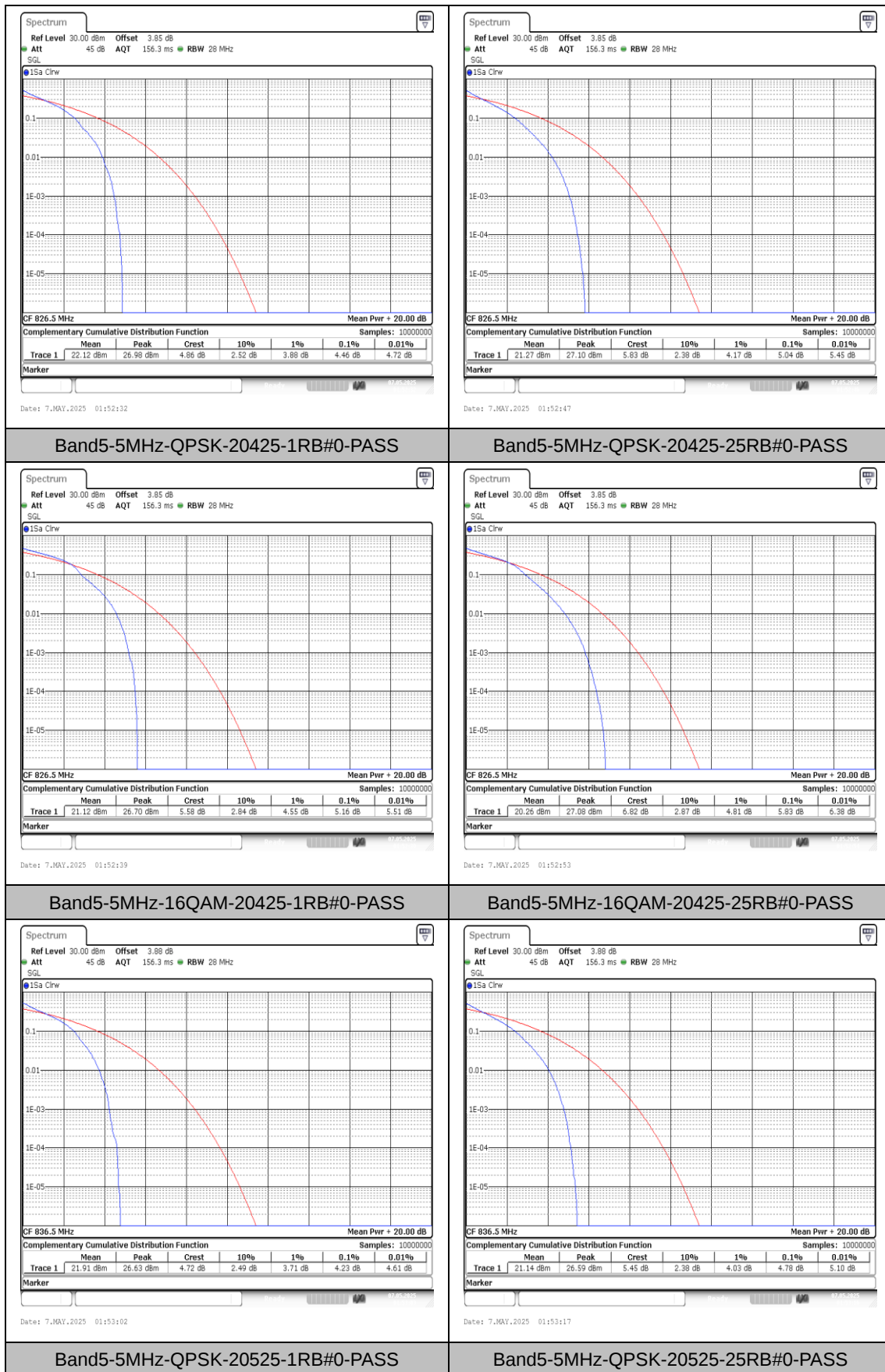
Waltek Testing Group (Shenzhen) Co., Ltd.

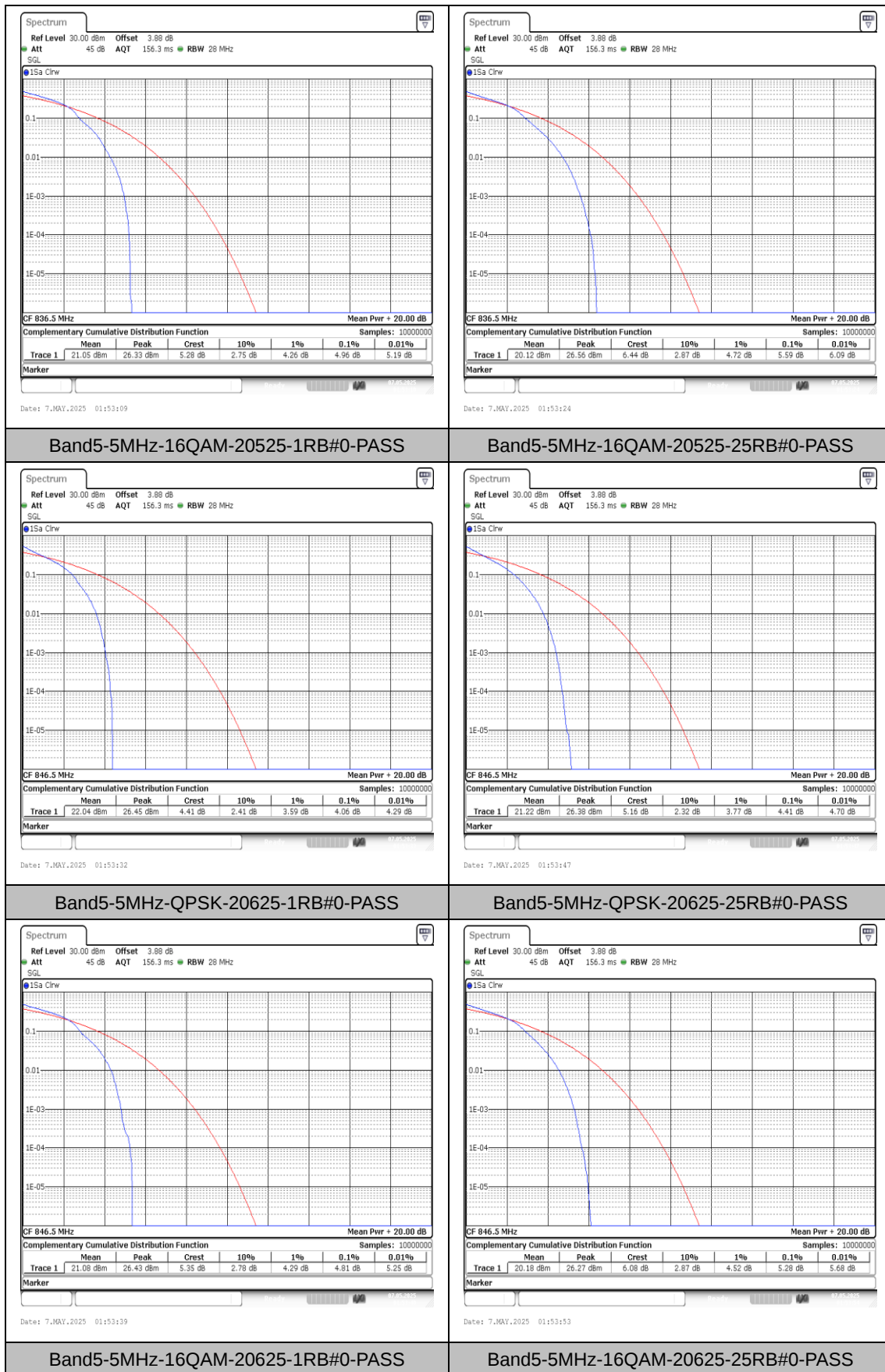
[Http://www.waltek.com.cn](http://www.waltek.com.cn)

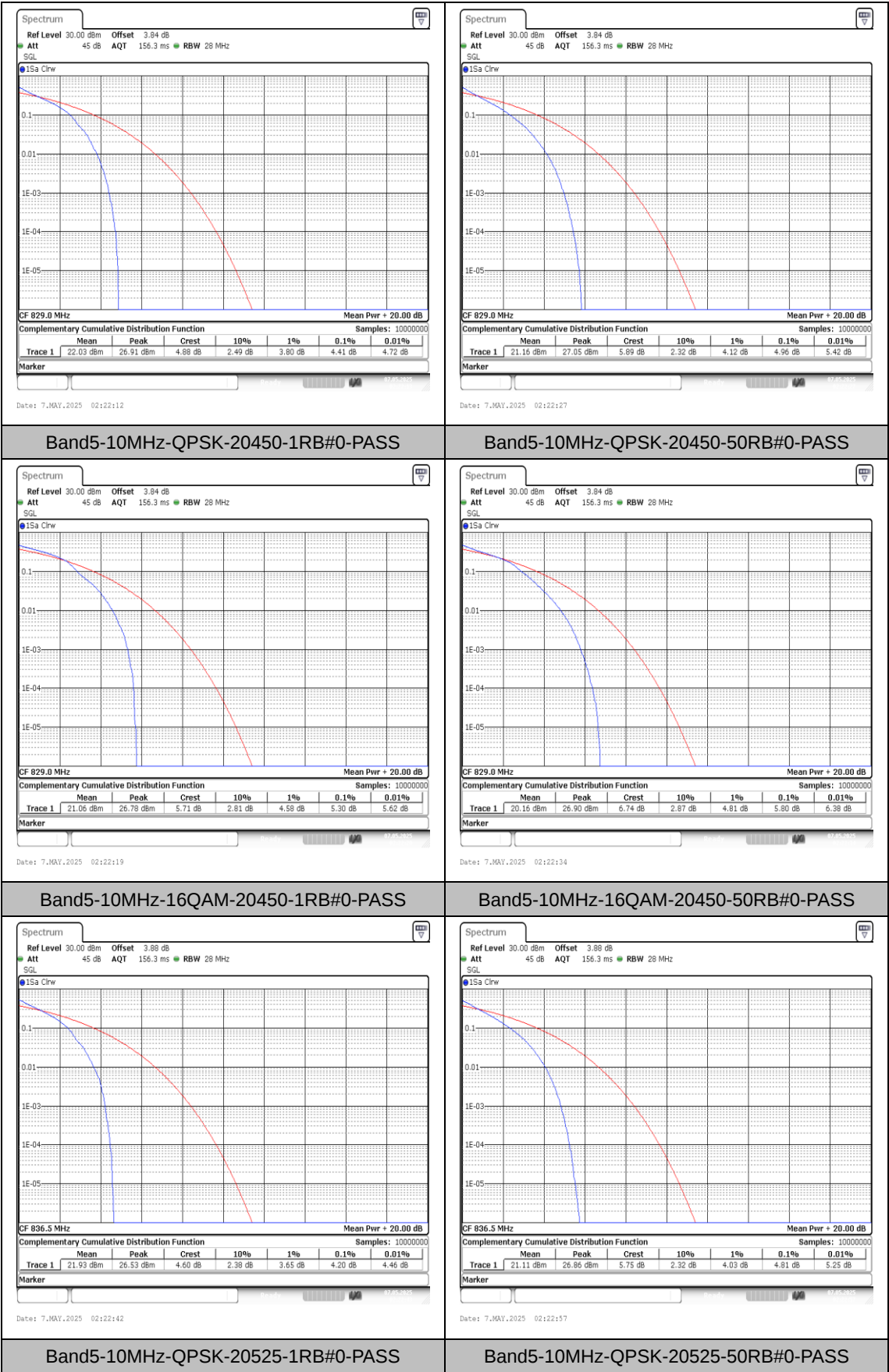


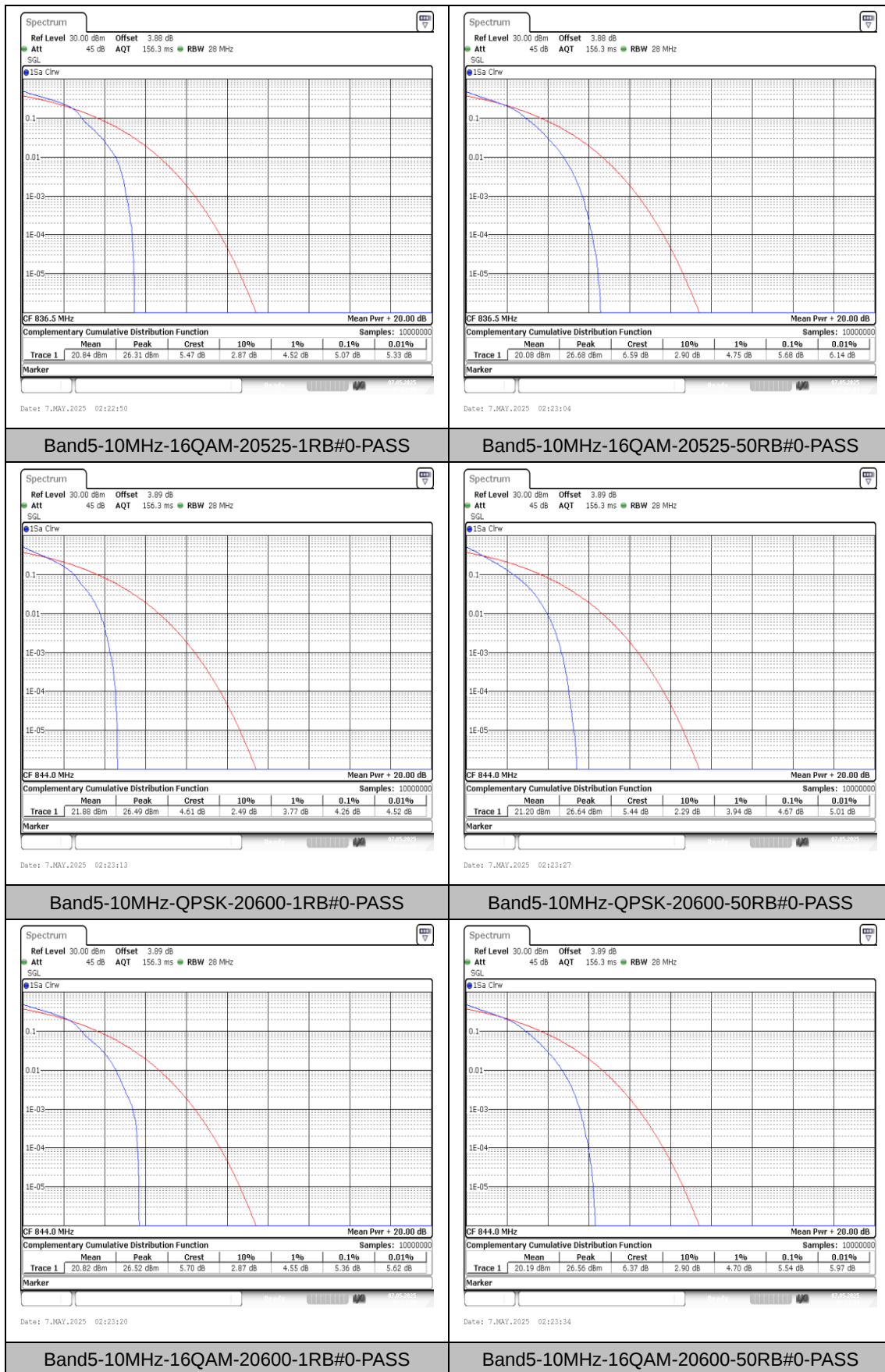










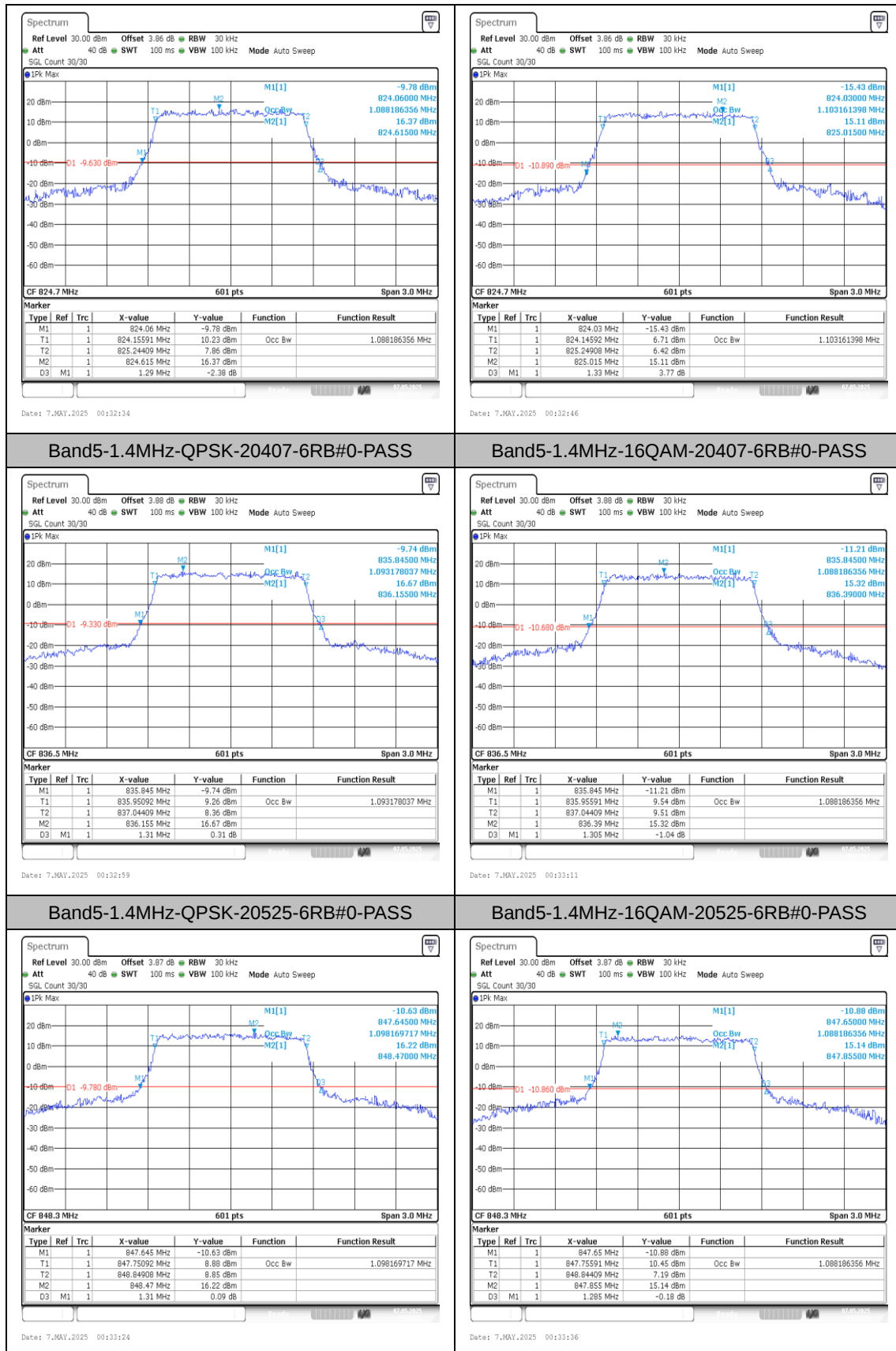


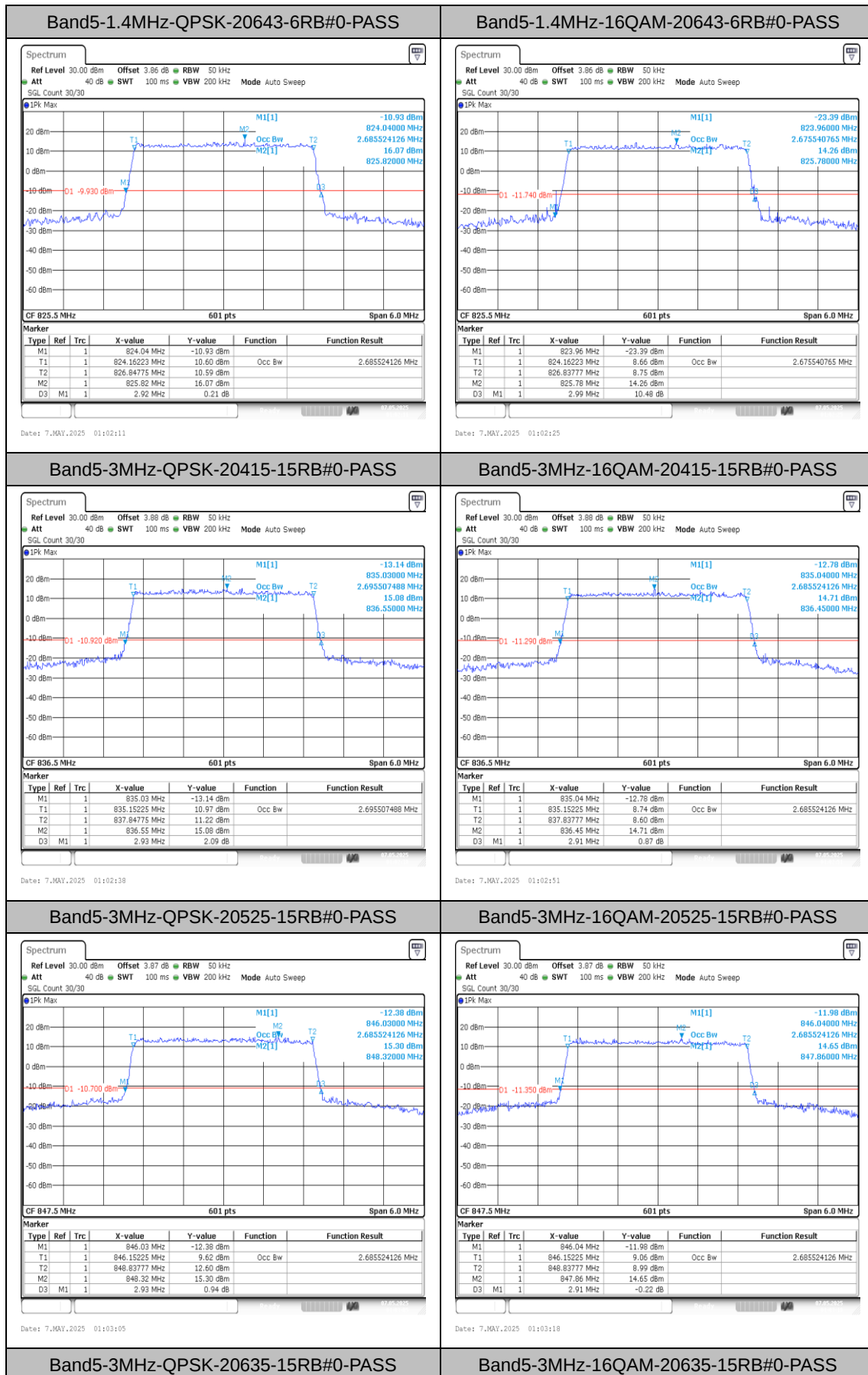
Appendix C: 26dB Bandwidth and Occupied Bandwidth

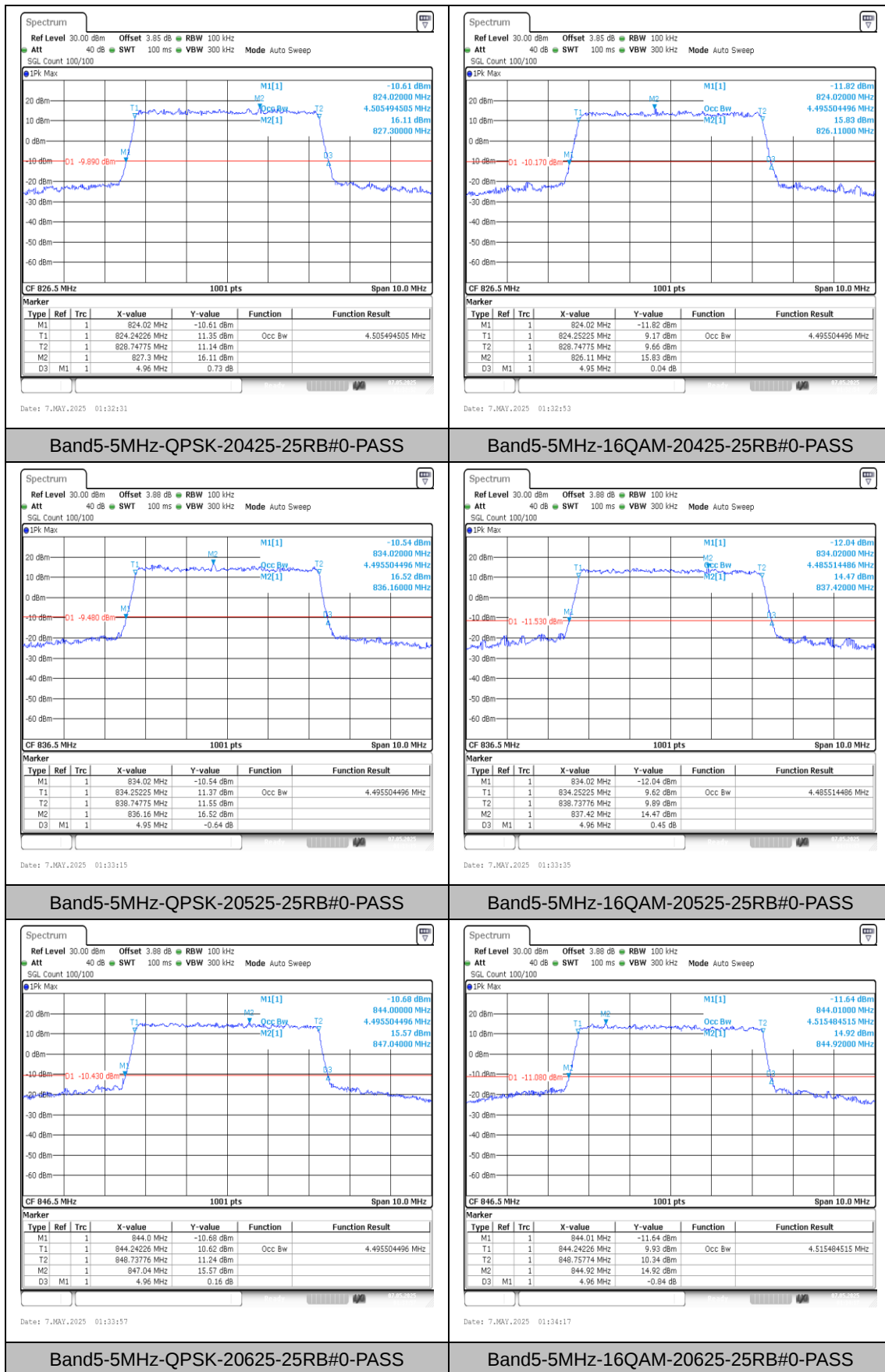
Test Result

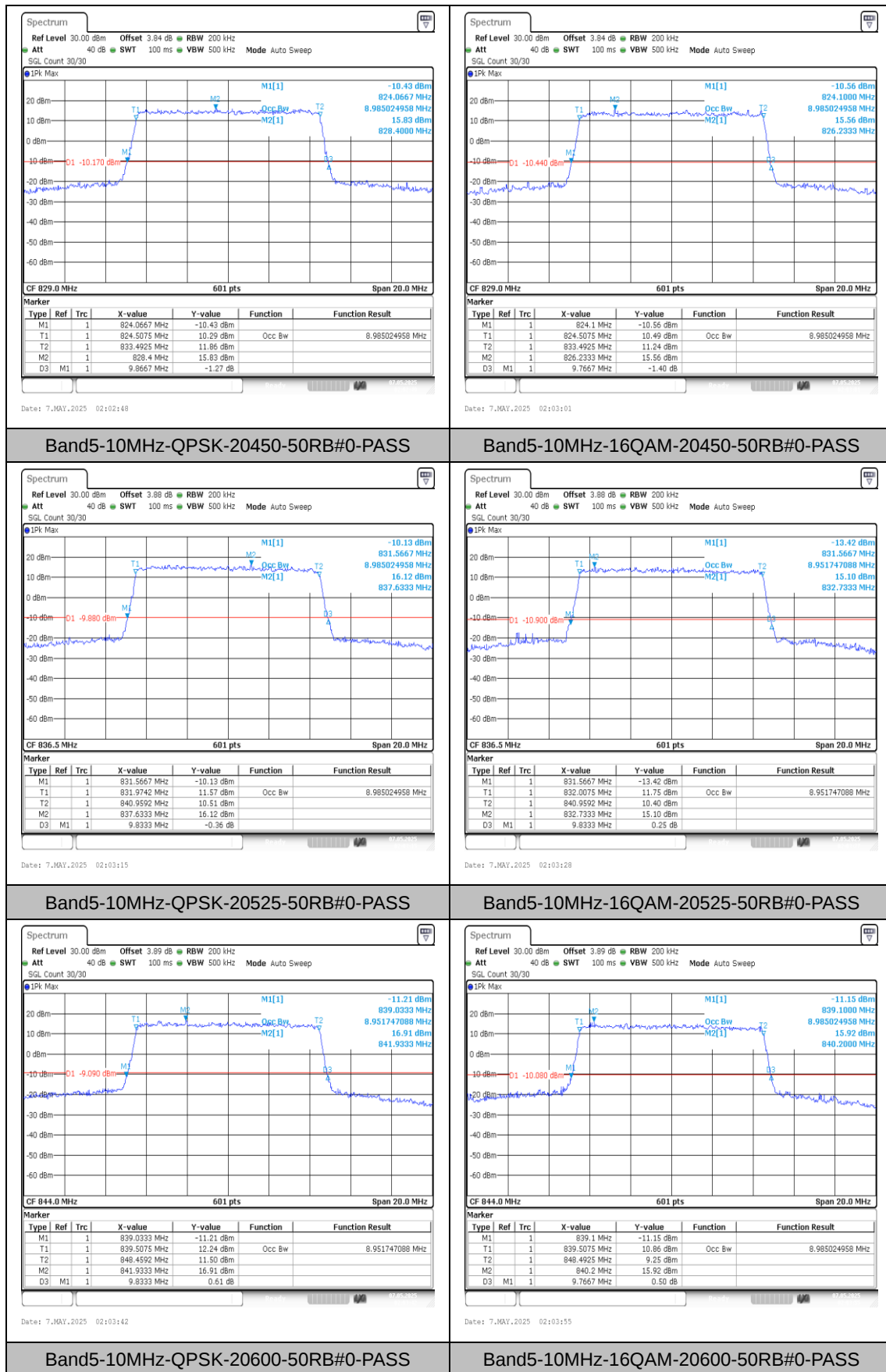
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.088	1.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.103	1.33	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.093	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.30	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.098	1.31	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.28	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.686	2.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.676	2.99	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.696	2.93	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.686	2.91	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.686	2.93	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.686	2.91	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.505	4.96	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.496	4.95	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.496	4.95	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.496	4.96	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.515	4.96	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.985	9.87	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	9.77	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.83	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.952	9.83	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.952	9.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.985	9.77	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	-25.13	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-41.78	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-30.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-26.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-44.31	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-32.54	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-44.31	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-22.91	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-25.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-45.99	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-25.39	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-28.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	-21.12	PASS
Band5	3MHz	QPSK	20415	1RB#14	-50.80	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.57	PASS
Band5	3MHz	16QAM	20415	1RB#0	-22.65	PASS
Band5	3MHz	16QAM	20415	1RB#14	-50.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	-33.40	PASS
Band5	3MHz	QPSK	20635	1RB#0	-51.31	PASS
Band5	3MHz	QPSK	20635	1RB#14	-18.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	-26.71	PASS
Band5	3MHz	16QAM	20635	1RB#0	-51.75	PASS
Band5	3MHz	16QAM	20635	1RB#14	-21.29	PASS
Band5	3MHz	16QAM	20635	15RB#0	-29.70	PASS
Band5	5MHz	QPSK	20425	1RB#0	-20.85	PASS
Band5	5MHz	QPSK	20425	1RB#24	-49.47	PASS
Band5	5MHz	QPSK	20425	25RB#0	-31.42	PASS
Band5	5MHz	16QAM	20425	1RB#0	-21.67	PASS
Band5	5MHz	16QAM	20425	1RB#24	-49.80	PASS
Band5	5MHz	16QAM	20425	25RB#0	-32.98	PASS
Band5	5MHz	QPSK	20625	1RB#0	-50.51	PASS
Band5	5MHz	QPSK	20625	1RB#24	-20.25	PASS
Band5	5MHz	QPSK	20625	25RB#0	-28.74	PASS
Band5	5MHz	16QAM	20625	1RB#0	-50.68	PASS
Band5	5MHz	16QAM	20625	1RB#24	-21.95	PASS

Band5	5MHz	16QAM	20625	25RB#0	-30.42	PASS
Band5	10MHz	QPSK	20450	1RB#0	-23.51	PASS
Band5	10MHz	QPSK	20450	1RB#49	-48.73	PASS
Band5	10MHz	QPSK	20450	50RB#0	-31.89	PASS
Band5	10MHz	16QAM	20450	1RB#0	-24.25	PASS
Band5	10MHz	16QAM	20450	1RB#49	-48.96	PASS
Band5	10MHz	16QAM	20450	50RB#0	-33.78	PASS
Band5	10MHz	QPSK	20600	1RB#0	-49.94	PASS
Band5	10MHz	QPSK	20600	1RB#49	-22.29	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.53	PASS
Band5	10MHz	16QAM	20600	1RB#0	-50.01	PASS
Band5	10MHz	16QAM	20600	1RB#49	-24.16	PASS
Band5	10MHz	16QAM	20600	50RB#0	-33.46	PASS

Test Graphs

