

Appendix for LTE BAND 7

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
Band7	5MHz	QPSK	20775	1RB#0	22.14	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.37	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.21	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.12	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.89	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.70	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.08	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.38	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.09	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.93	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.85	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.61	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.71	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.17	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.41	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.79	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.22	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.28	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.19	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.15	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.15	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.39	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.87	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.21	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.29	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.21	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.16	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.15	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.93	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.66	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.67	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.73	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.57	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.64	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.48	PASS

Band7	5MHz	16QAM	21425	1RB#12	20.75	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.50	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.68	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.64	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.58	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.66	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.75	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.02	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.81	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.94	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.89	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.84	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.84	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.79	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.91	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.82	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.91	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.86	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.80	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.84	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.83	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.96	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.77	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.85	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.80	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.73	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.77	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.62	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.03	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.51	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.86	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.76	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.77	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.80	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.75	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.94	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.68	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.85	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.83	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.68	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.77	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.49	PASS

Band7	10MHz	16QAM	21400	1RB#24	20.84	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.41	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.88	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.79	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.74	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.76	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.63	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.83	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.65	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.86	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.87	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.88	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.87	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.65	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.73	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.61	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.88	PASS
Band7	15MHz	16QAM	20825	38RB#18	19.88	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.89	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.79	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.68	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.91	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.50	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.80	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.90	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.85	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.81	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.78	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.75	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.63	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.83	PASS
Band7	15MHz	16QAM	21100	38RB#18	19.81	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.84	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.78	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.63	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.78	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.50	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.81	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.79	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.76	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.78	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.42	PASS

Band7	15MHz	16QAM	21375	1RB#38	20.67	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.22	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.78	PASS
Band7	15MHz	16QAM	21375	38RB#18	19.75	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.79	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.69	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.53	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.49	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.53	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.92	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.82	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.82	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.42	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.95	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.39	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.89	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.79	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.76	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.85	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.57	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.92	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.40	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.80	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.77	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.61	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.66	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.65	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.99	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.53	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.75	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.80	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.63	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.68	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.54	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.90	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.35	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.79	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.75	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.72	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.31	PASS

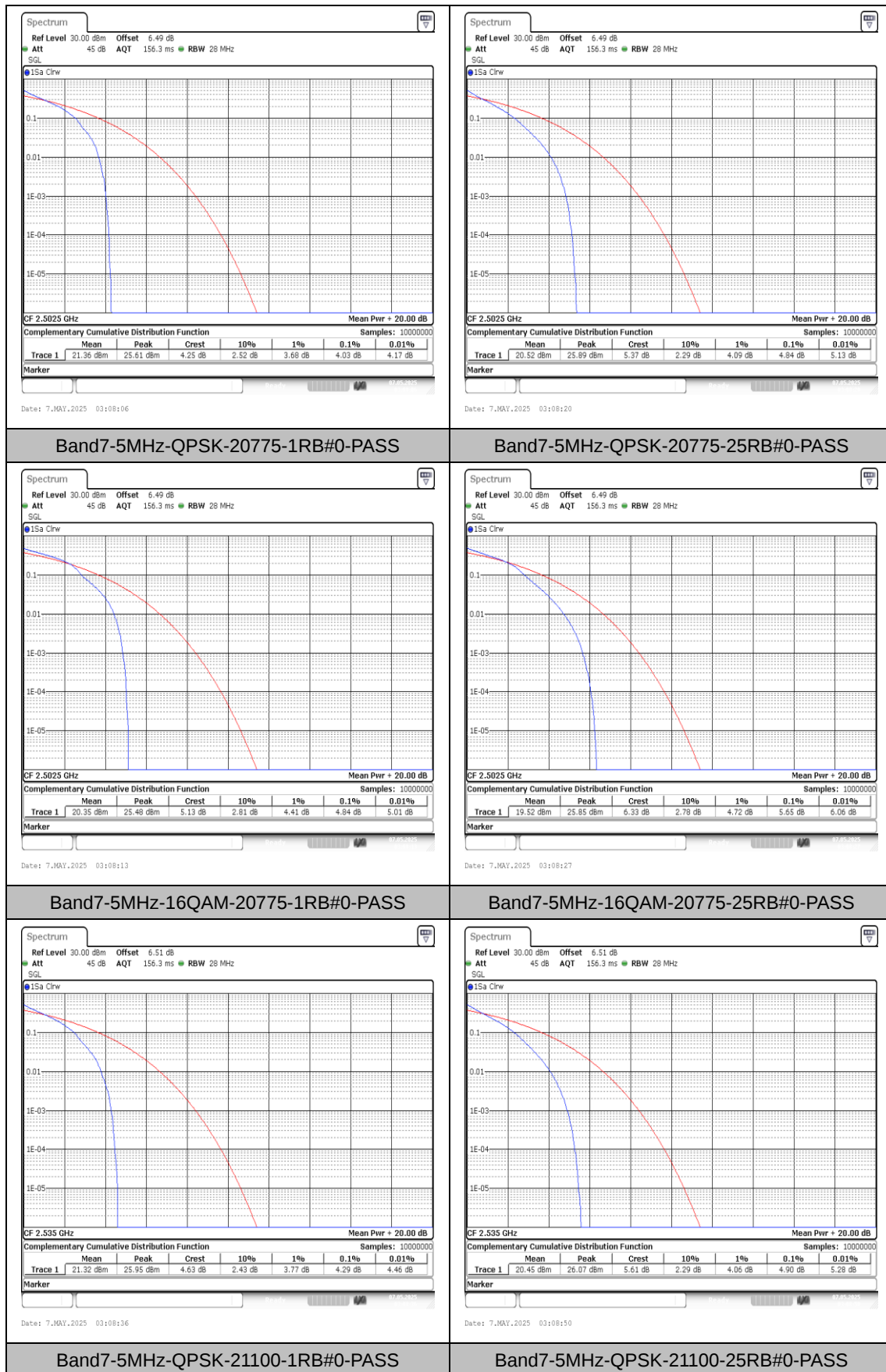
Band7	20MHz	16QAM	21350	1RB#49	20.73	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.14	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.88	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.75	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.66	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.73	PASS

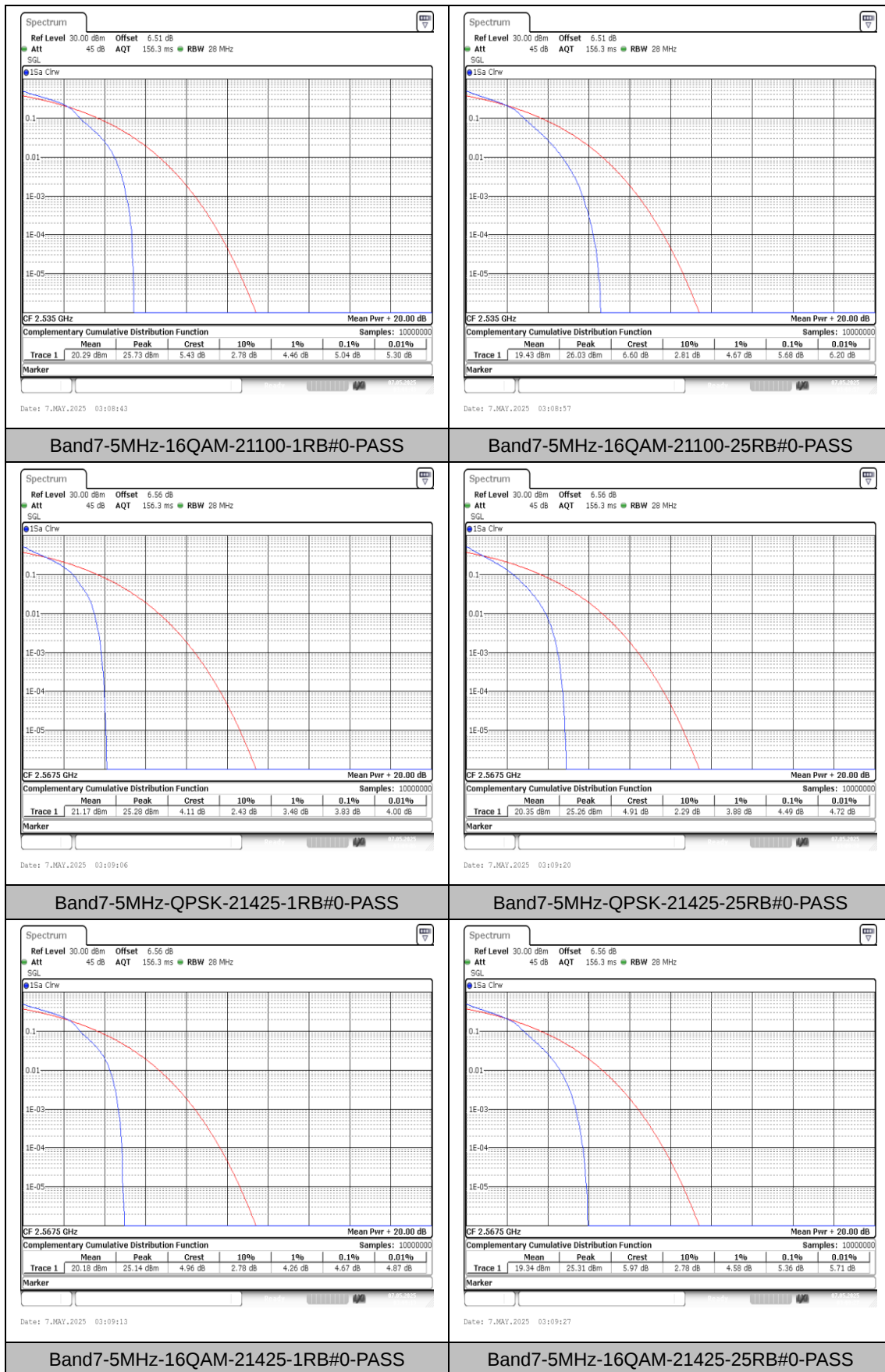
Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

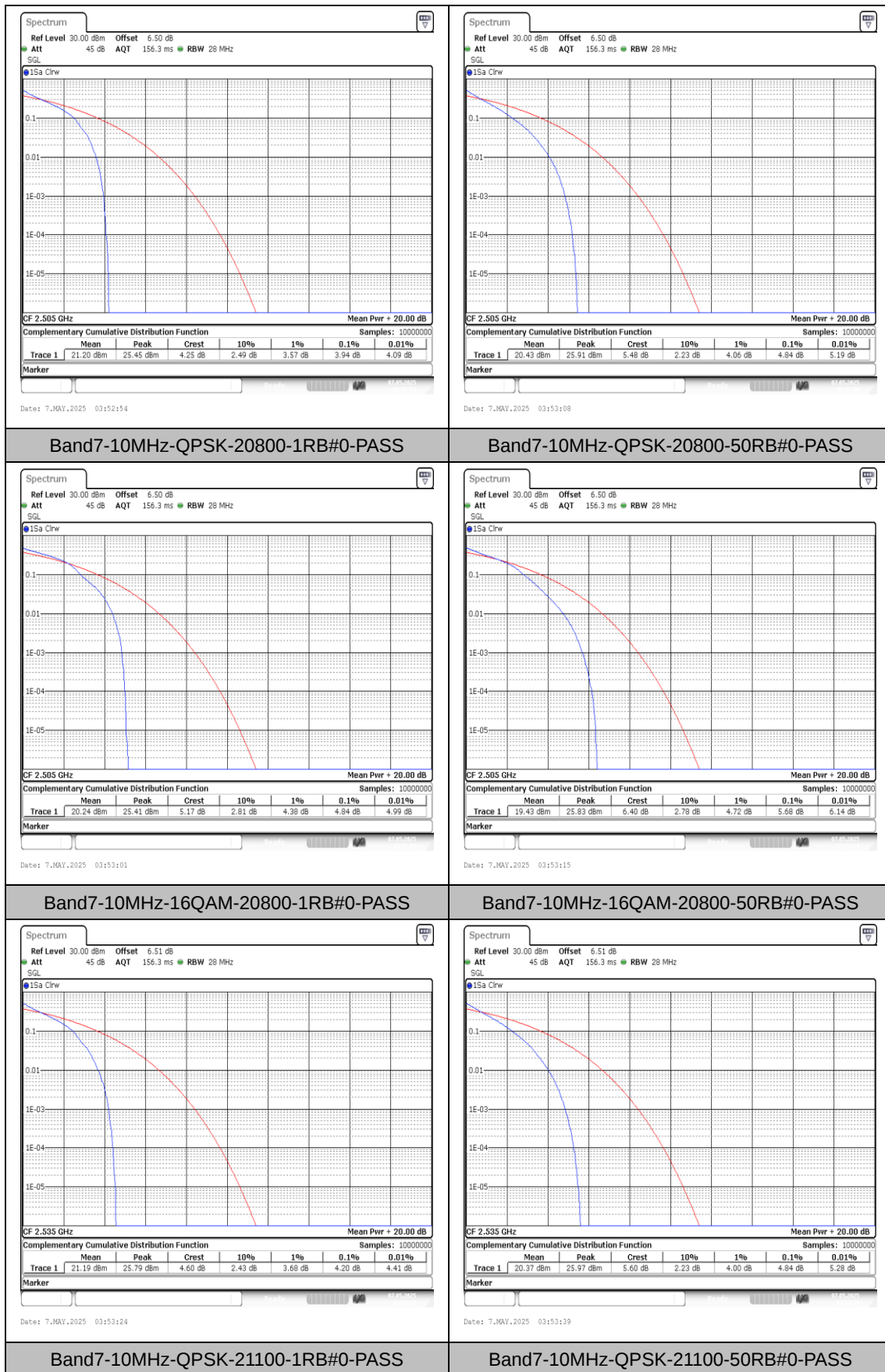
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.03	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.84	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.84	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.65	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.29	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.90	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.04	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.68	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.83	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.49	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.67	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.36	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.94	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.84	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.84	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.68	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.20	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.84	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.10	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.68	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.03	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.48	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.03	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.96	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.77	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.32	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.01	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.22	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.74	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.29	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.90	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.22	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.65	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.12	13	PASS

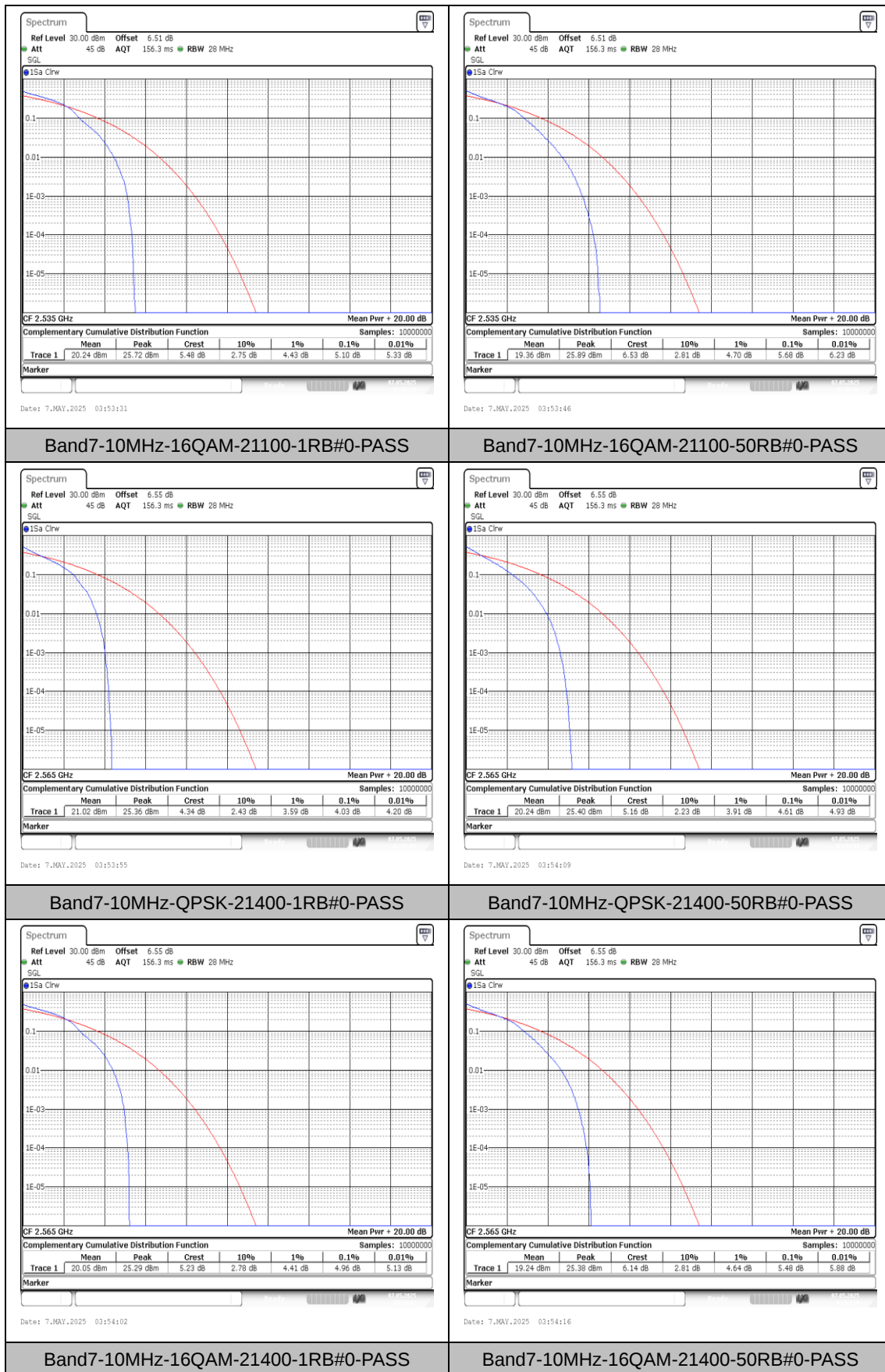
Band7	20MHz	QPSK	20850	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.93	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.80	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.41	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.87	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.13	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.74	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.52	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.90	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.48	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.71	13	PASS

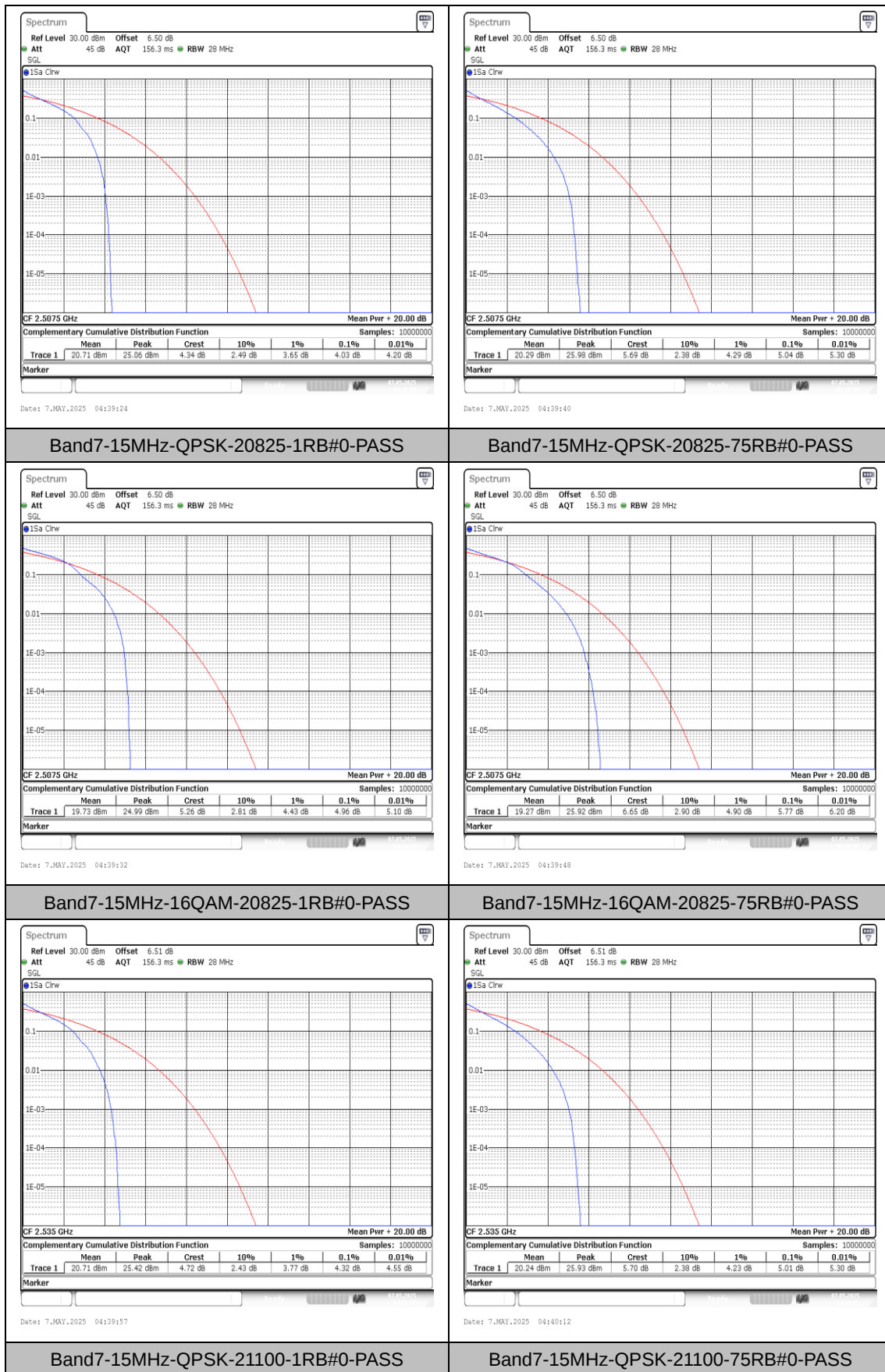
Test Graphs

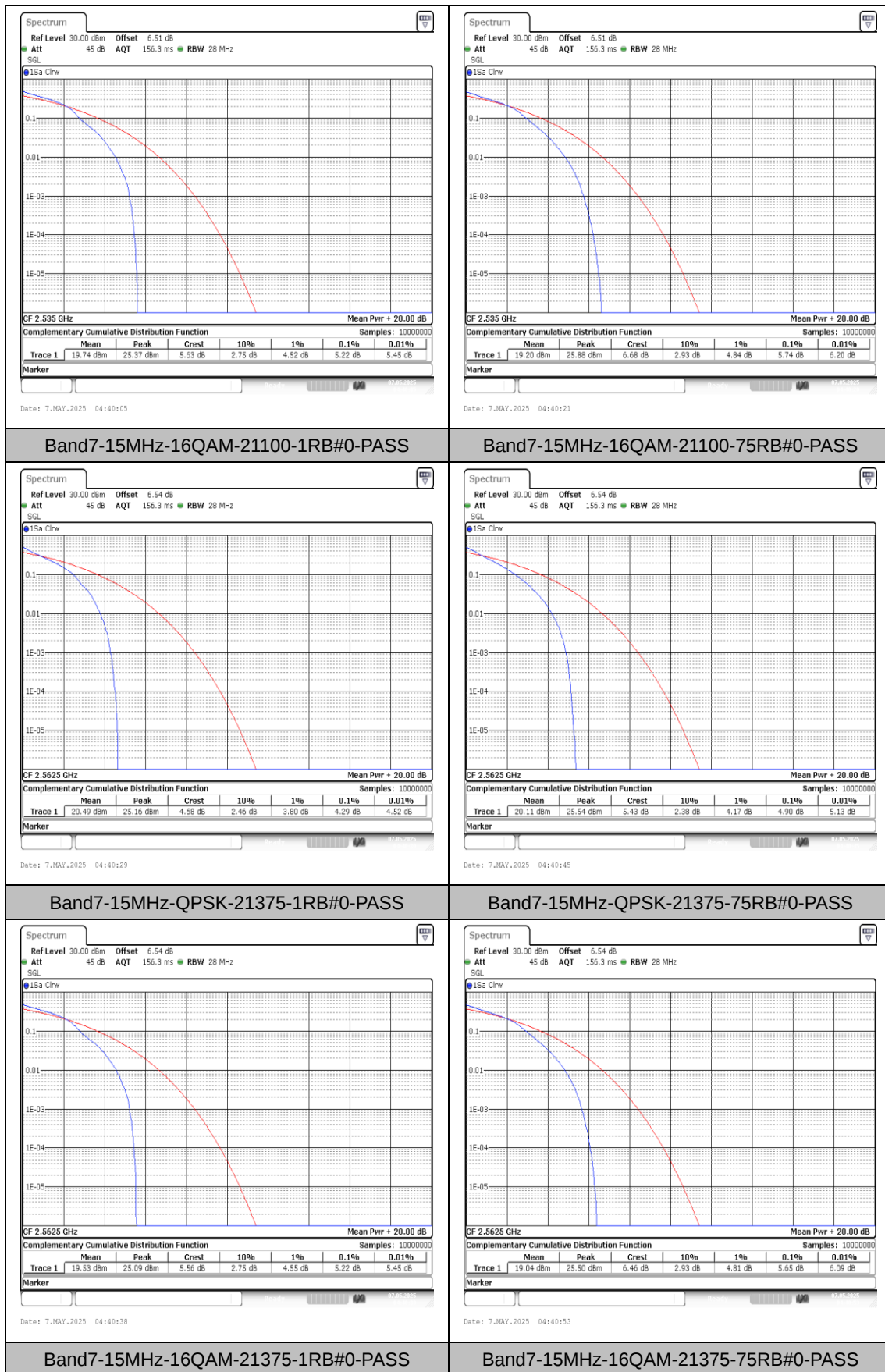


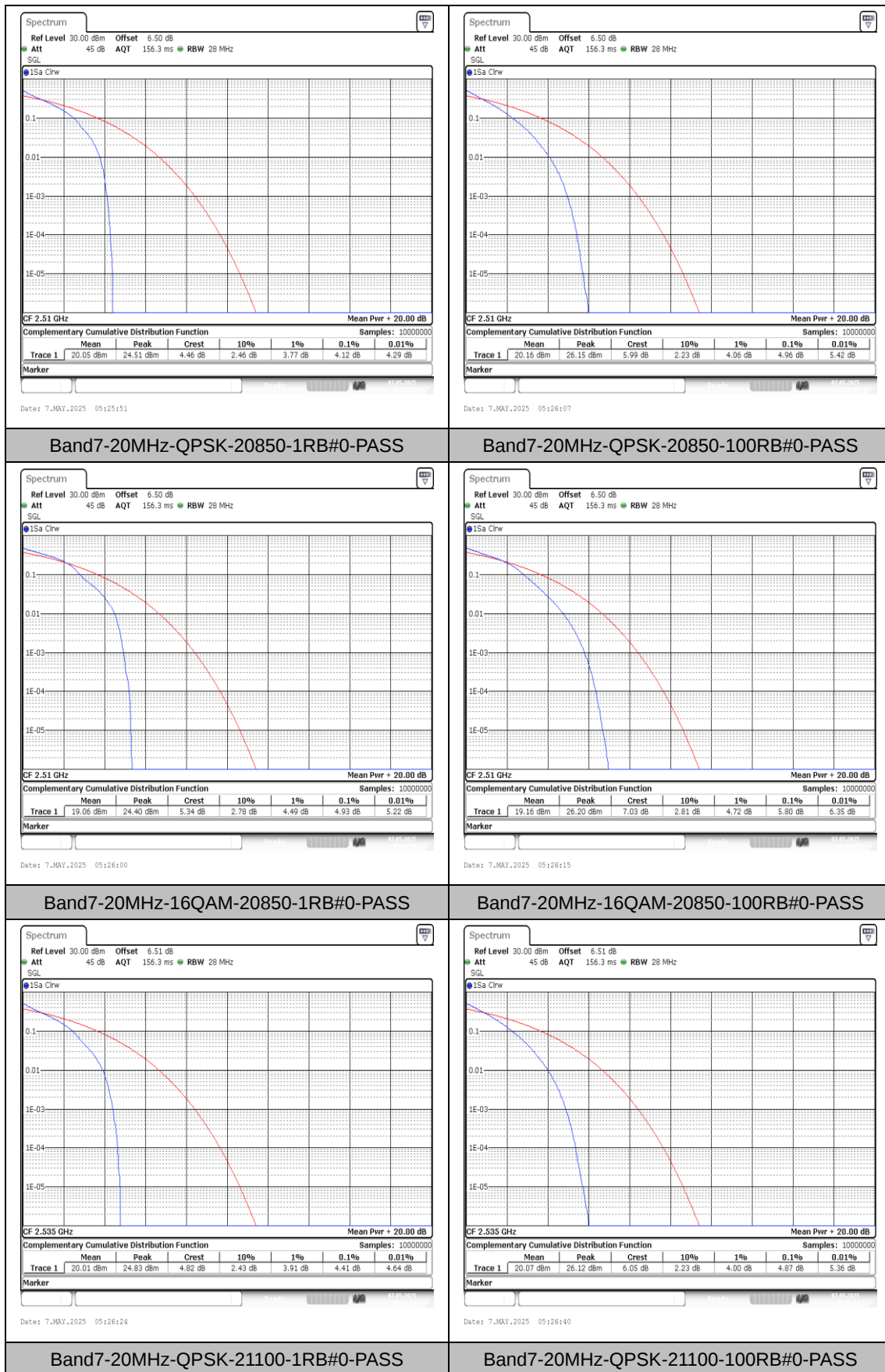


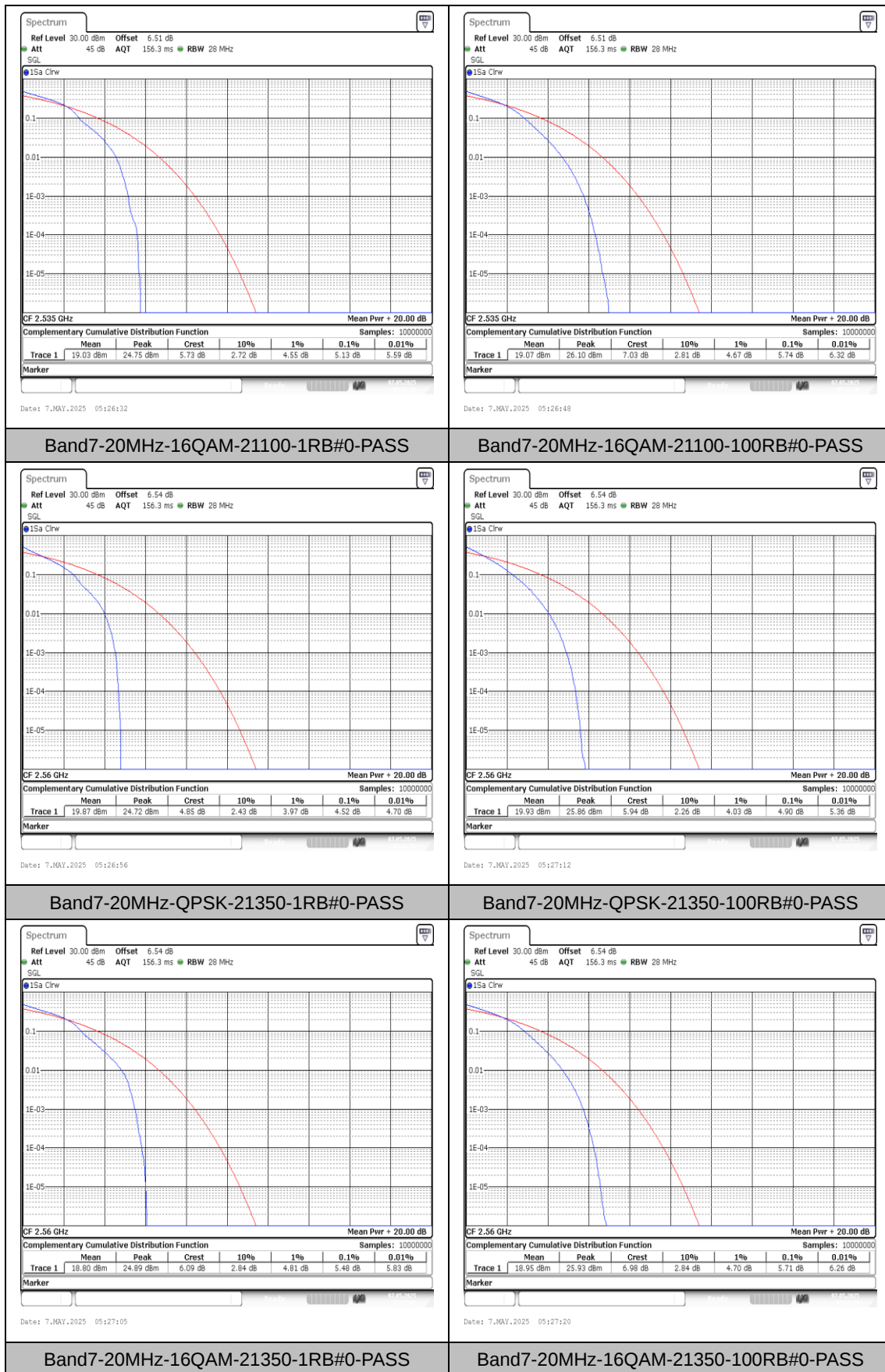










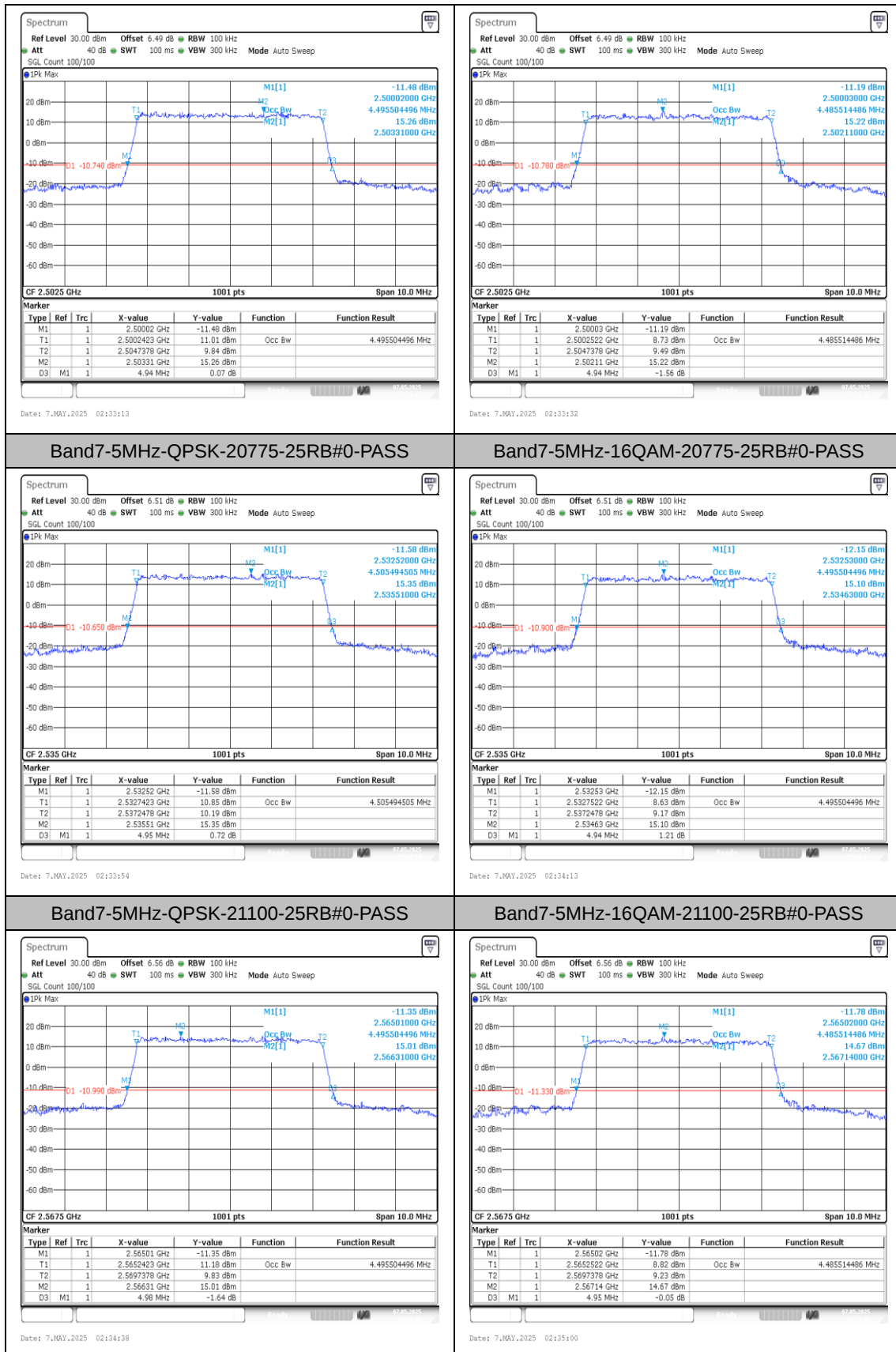


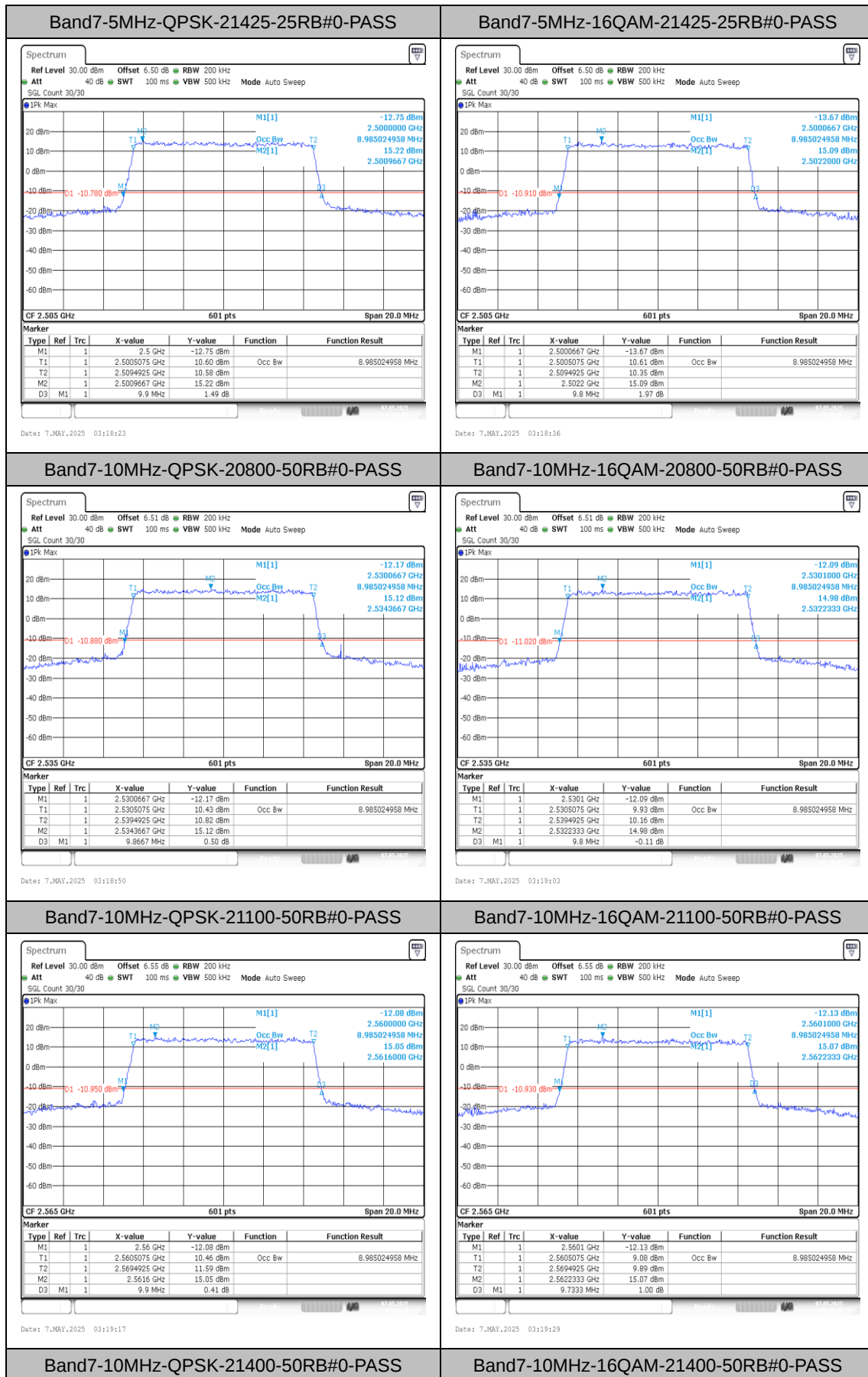
Appendix C: 26dB Bandwidth and Occupied Bandwidth

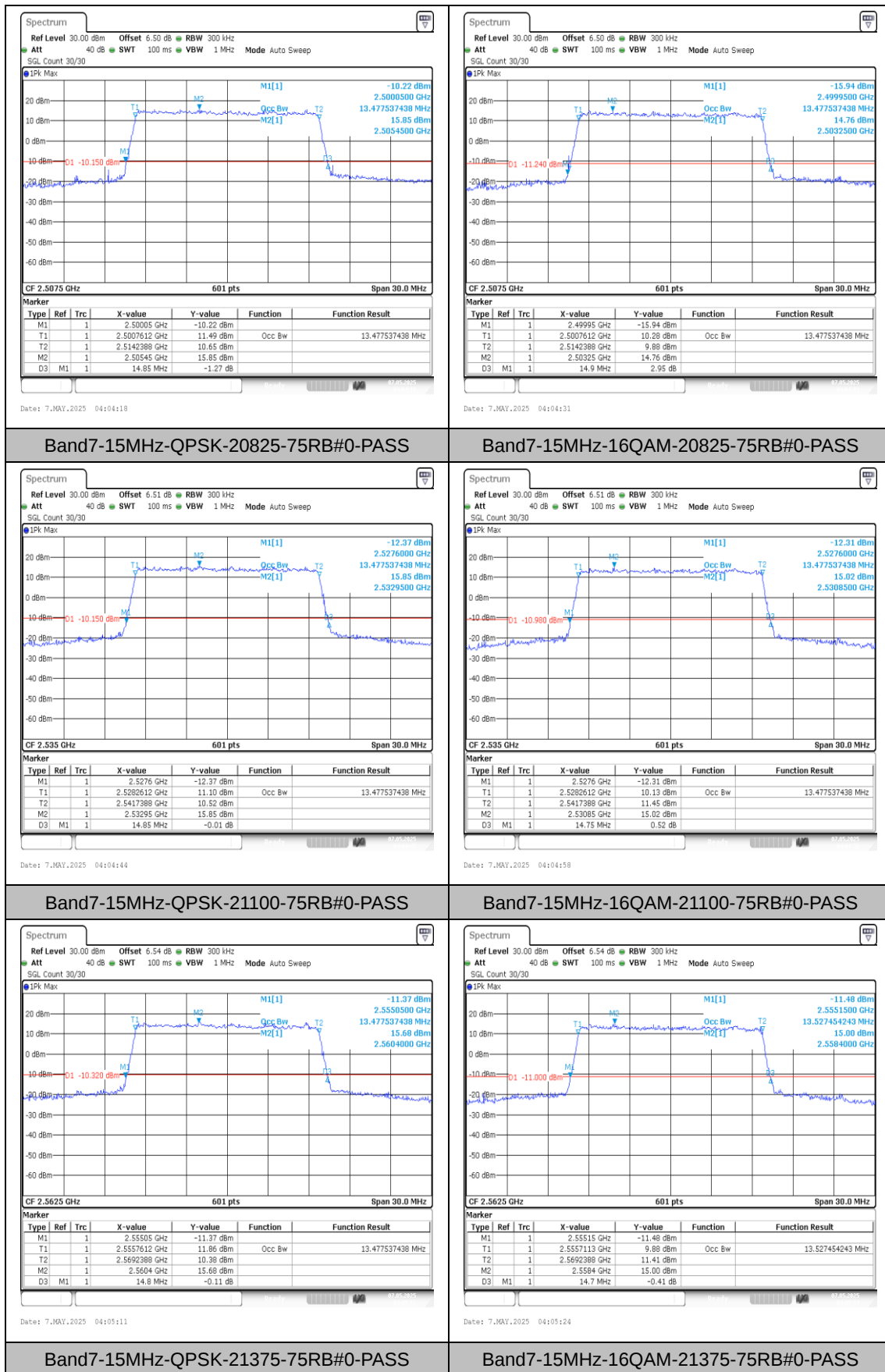
Test Result

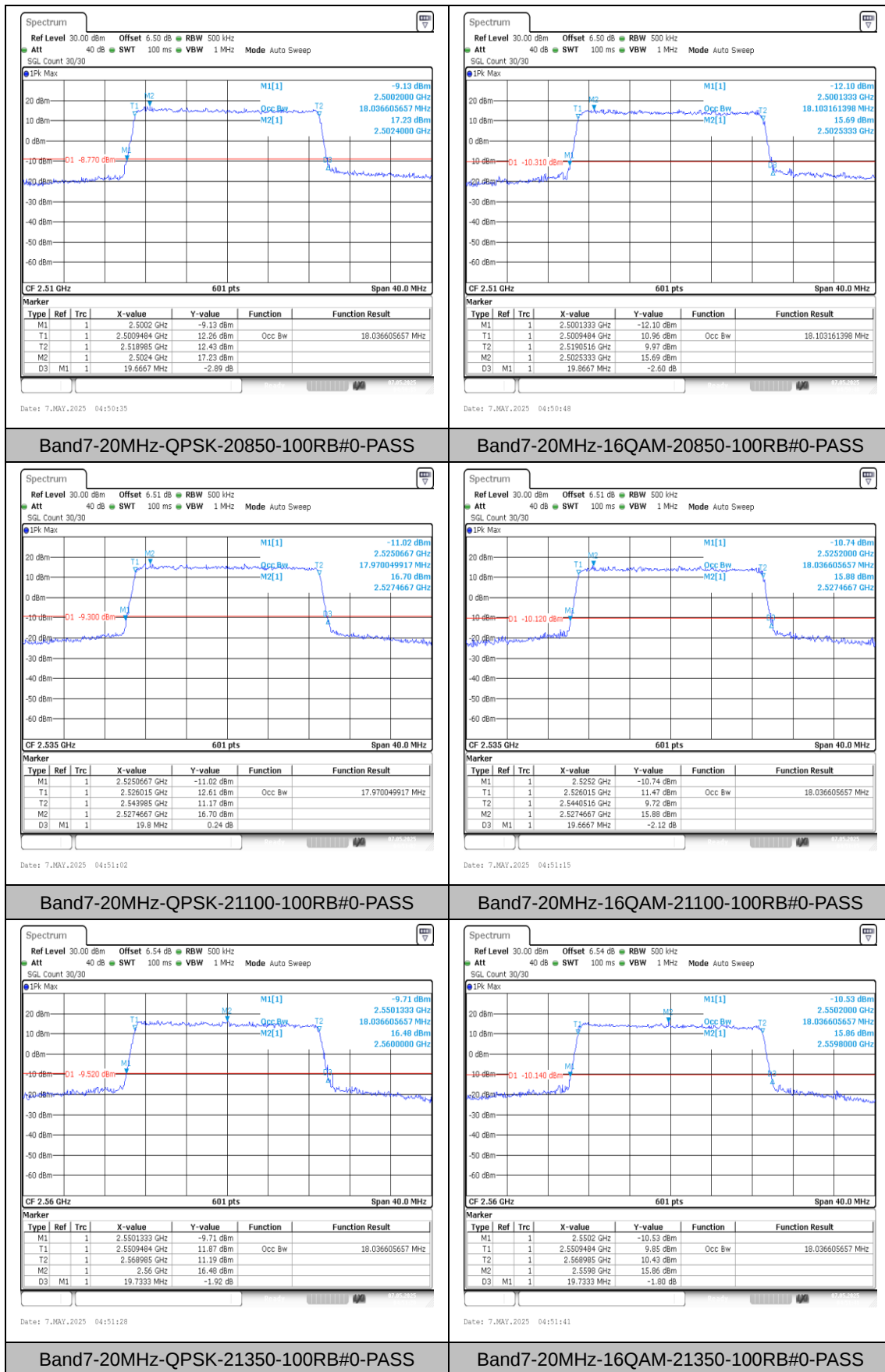
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.94	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.94	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.505	4.95	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.94	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.496	4.98	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.95	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.90	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.985	9.80	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.87	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.985	9.80	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.985	9.90	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.985	9.73	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.85	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.478	14.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	14.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	14.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.80	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.527	14.70	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.037	19.67	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.103	19.87	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.80	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.037	19.67	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.037	19.73	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.037	19.73	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-18.60	PASS
Band7	5MHz	QPSK	20775	1RB#24	-26.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	-21.96	PASS
Band7	5MHz	16QAM	20775	1RB#0	-19.65	PASS
Band7	5MHz	16QAM	20775	1RB#24	-27.81	PASS
Band7	5MHz	16QAM	20775	25RB#0	-23.31	PASS
Band7	5MHz	QPSK	21425	1RB#0	-27.38	PASS
Band7	5MHz	QPSK	21425	1RB#24	-17.62	PASS
Band7	5MHz	QPSK	21425	25RB#0	-19.92	PASS
Band7	5MHz	16QAM	21425	1RB#0	-28.72	PASS
Band7	5MHz	16QAM	21425	1RB#24	-19.41	PASS
Band7	5MHz	16QAM	21425	25RB#0	-22.37	PASS
Band7	10MHz	QPSK	20800	1RB#0	-21.06	PASS
Band7	10MHz	QPSK	20800	1RB#49	-26.26	PASS
Band7	10MHz	QPSK	20800	50RB#0	-26.35	PASS
Band7	10MHz	16QAM	20800	1RB#0	-22.48	PASS
Band7	10MHz	16QAM	20800	1RB#49	-27.81	PASS
Band7	10MHz	16QAM	20800	50RB#0	-38.97	PASS
Band7	10MHz	QPSK	21400	1RB#0	-28.09	PASS
Band7	10MHz	QPSK	21400	1RB#49	-20.28	PASS
Band7	10MHz	QPSK	21400	50RB#0	-22.64	PASS
Band7	10MHz	16QAM	21400	1RB#0	-28.80	PASS
Band7	10MHz	16QAM	21400	1RB#49	-21.50	PASS
Band7	10MHz	16QAM	21400	50RB#0	-25.03	PASS
Band7	15MHz	QPSK	20825	1RB#0	-22.16	PASS
Band7	15MHz	QPSK	20825	1RB#74	-29.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	-28.78	PASS
Band7	15MHz	16QAM	20825	1RB#0	-22.89	PASS
Band7	15MHz	16QAM	20825	1RB#74	-30.23	PASS
Band7	15MHz	16QAM	20825	75RB#0	-31.49	PASS
Band7	15MHz	QPSK	21375	1RB#0	-28.89	PASS
Band7	15MHz	QPSK	21375	1RB#74	-22.29	PASS
Band7	15MHz	QPSK	21375	75RB#0	-22.65	PASS
Band7	15MHz	16QAM	21375	1RB#0	-29.30	PASS
Band7	15MHz	16QAM	21375	1RB#74	-23.71	PASS

Band7	15MHz	16QAM	21375	75RB#0	-25.60	PASS
Band7	20MHz	QPSK	20850	1RB#0	-23.25	PASS
Band7	20MHz	QPSK	20850	1RB#99	-39.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	-29.42	PASS
Band7	20MHz	16QAM	20850	1RB#0	-23.80	PASS
Band7	20MHz	16QAM	20850	1RB#99	-40.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	-30.80	PASS
Band7	20MHz	QPSK	21350	1RB#0	-31.96	PASS
Band7	20MHz	QPSK	21350	1RB#99	-23.09	PASS
Band7	20MHz	QPSK	21350	100RB#0	-28.39	PASS
Band7	20MHz	16QAM	21350	1RB#0	-33.38	PASS
Band7	20MHz	16QAM	21350	1RB#99	-24.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.18	PASS

Test Graphs

