

Appendix for LTE BAND 7

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
Band7	5MHz	QPSK	20775	1RB#0	21.79	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.79	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.83	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.76	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.74	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.79	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.26	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.42	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.39	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.26	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.42	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.22	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.52	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.68	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.08	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.67	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.04	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.71	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.21	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.24	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.22	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.26	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.38	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.19	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.43	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.22	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.39	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.05	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.40	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.07	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.41	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.17	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.52	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.52	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.54	PASS

Band7	5MHz	QPSK	21425	12RB#6	21.39	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.55	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.54	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.69	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.37	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.63	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.78	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.43	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.86	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.39	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.76	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.33	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.26	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.40	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.30	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.42	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.38	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.49	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.31	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.49	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.58	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.71	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.67	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.79	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.70	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.21	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.25	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.45	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.26	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.47	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.28	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.60	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.22	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.38	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.93	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.06	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.91	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.05	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.07	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.07	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.54	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.78	PASS

Band7	10MHz	QPSK	21400	25RB#12	21.43	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.78	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.49	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.70	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.46	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.69	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.79	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.21	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.71	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.17	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.57	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.07	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.36	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.34	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.34	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.34	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.34	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.34	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.34	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.44	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.64	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.55	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.66	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.62	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.80	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.71	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.29	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.30	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.30	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.30	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.30	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.30	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.31	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.36	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.04	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.63	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.57	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.03	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.47	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.51	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.52	PASS

Band7	15MHz	QPSK	21375	38RB#18	21.52	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.51	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.51	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.51	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.51	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.69	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.03	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.34	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.93	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.95	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.74	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.11	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.31	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.56	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.32	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.57	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.33	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.52	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.48	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.71	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.74	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.74	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.73	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.96	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.91	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.15	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.33	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.20	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.35	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.40	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.44	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.30	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.54	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.14	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.62	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.98	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.53	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.89	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.82	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.48	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.88	PASS

Band7	20MHz	QPSK	21350	50RB#25	21.46	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.87	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.27	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.79	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.36	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.71	PASS

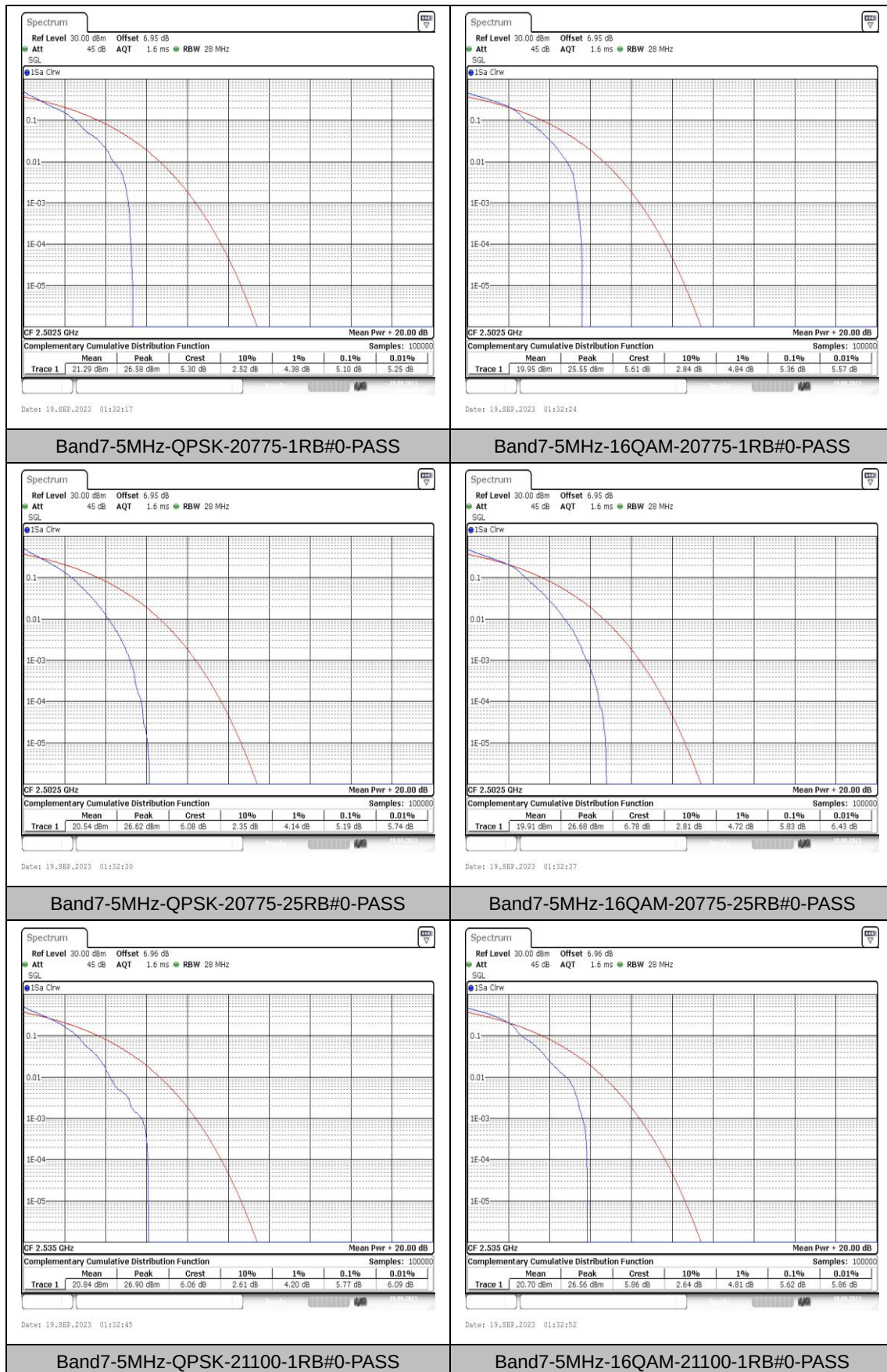
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.10	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.36	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.19	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.83	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.77	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.62	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.10	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.06	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.93	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.30	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.19	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.77	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.65	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.22	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.91	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.58	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.42	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.22	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.97	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.77	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.13	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.06	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.90	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.80	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.48	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.25	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.28	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.39	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.91	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.81	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.45	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.39	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.88	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.04	13	PASS

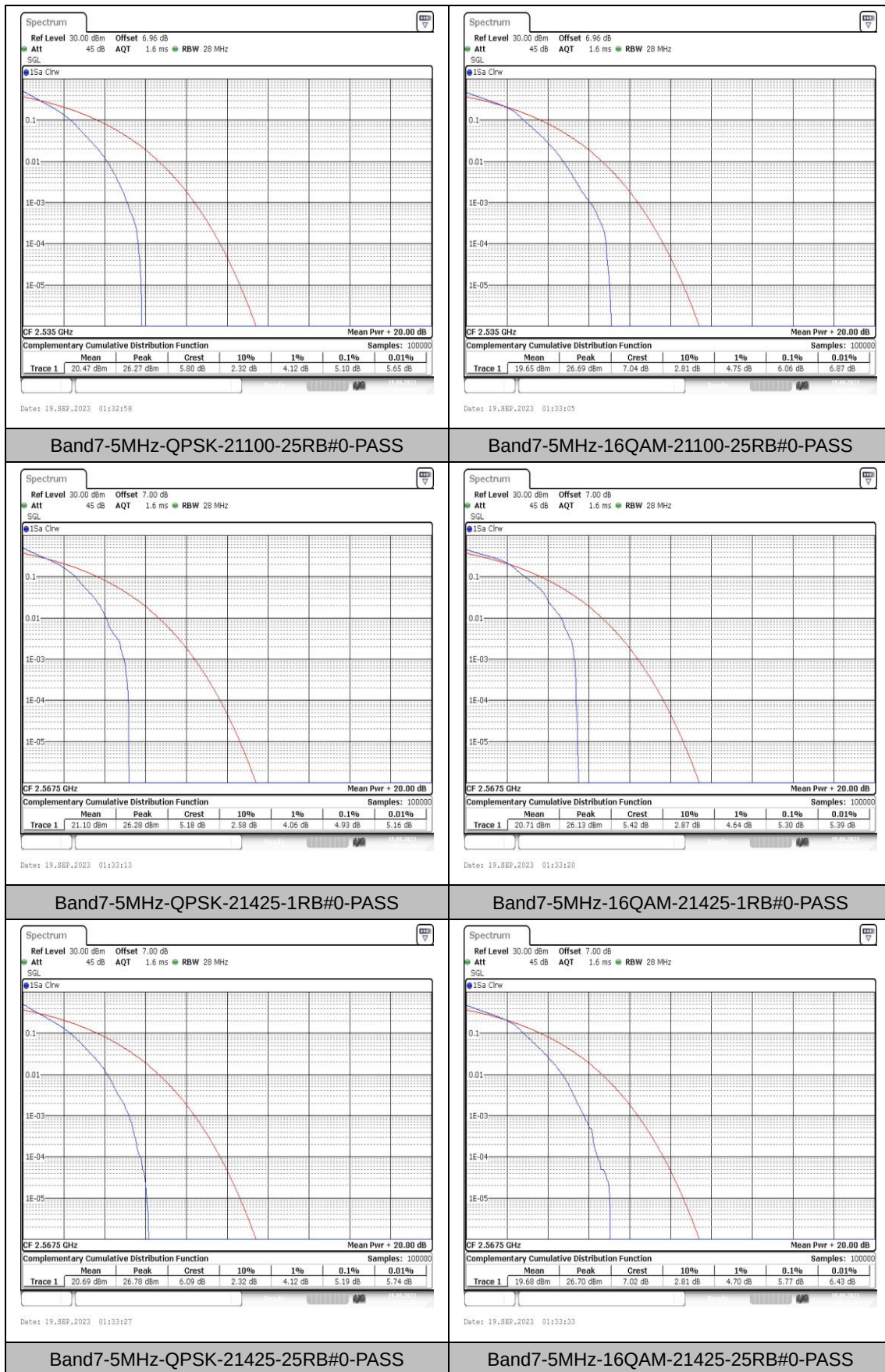
Band7	20MHz	16QAM	20850	1RB#0	5.45	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.86	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.68	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.16	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.83	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.87	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	6.09	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.10	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.77	13	PASS

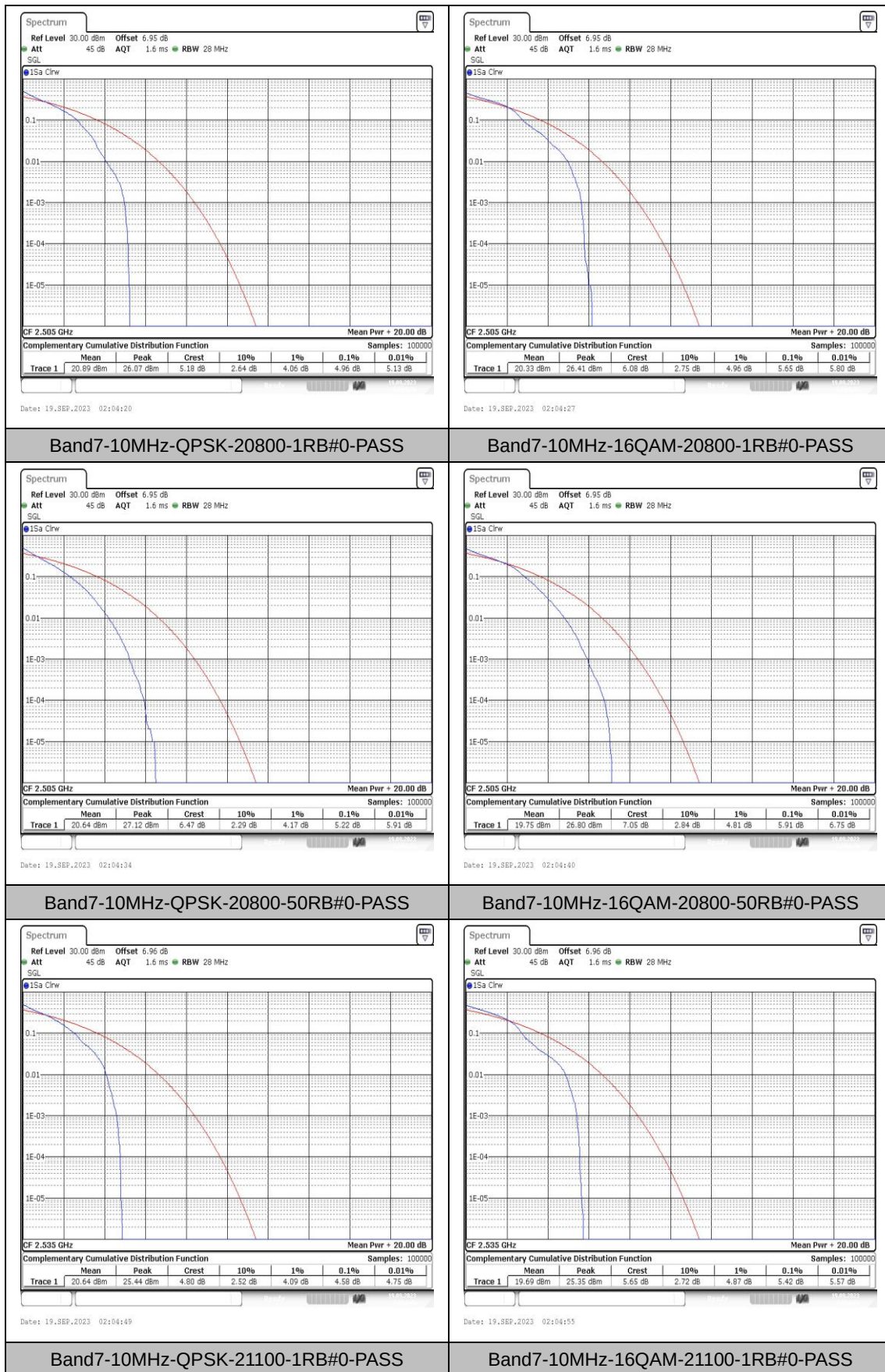
Test Graphs

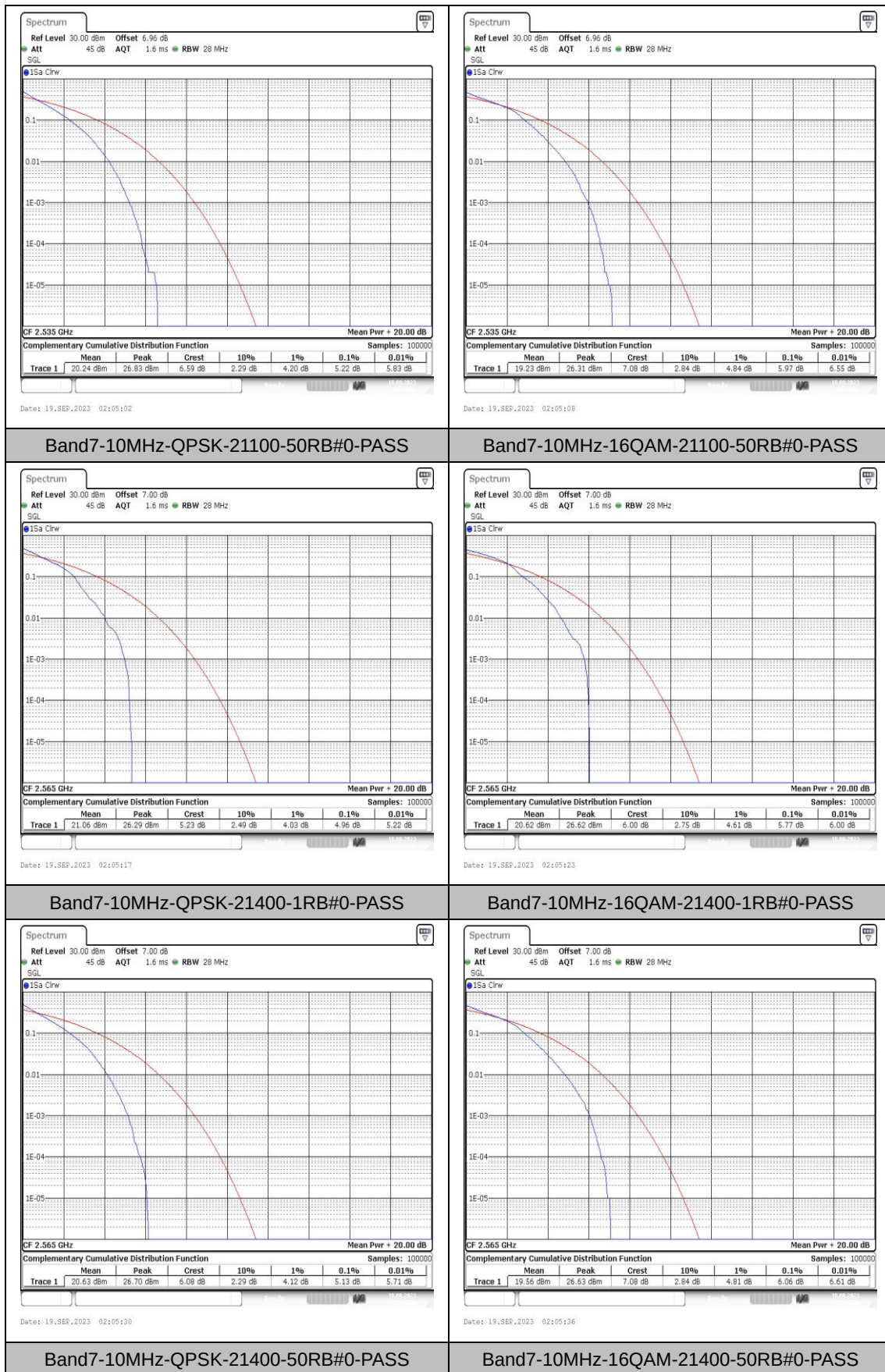


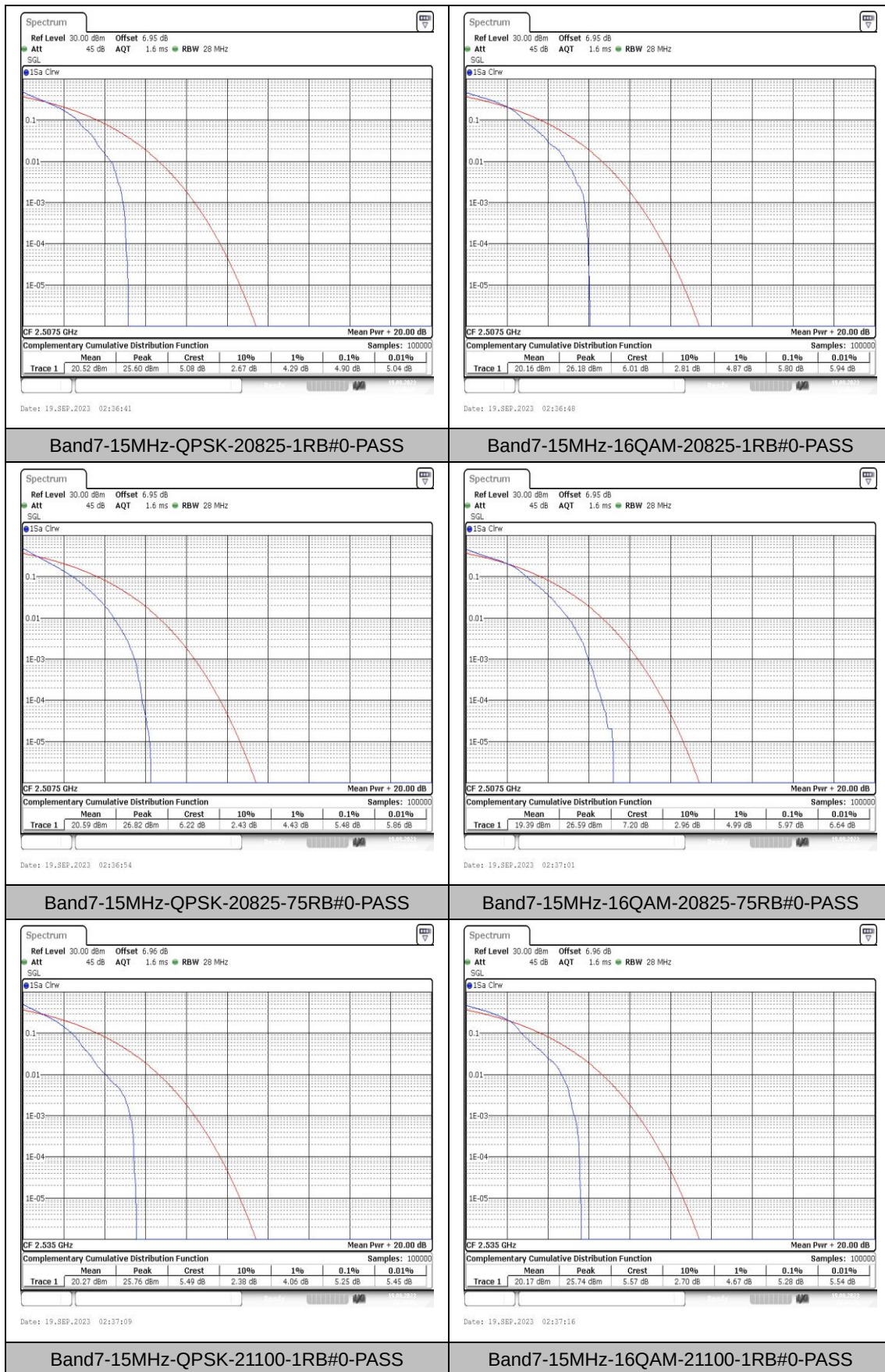
Waltek Testing Group (Shenzhen) Co., Ltd.

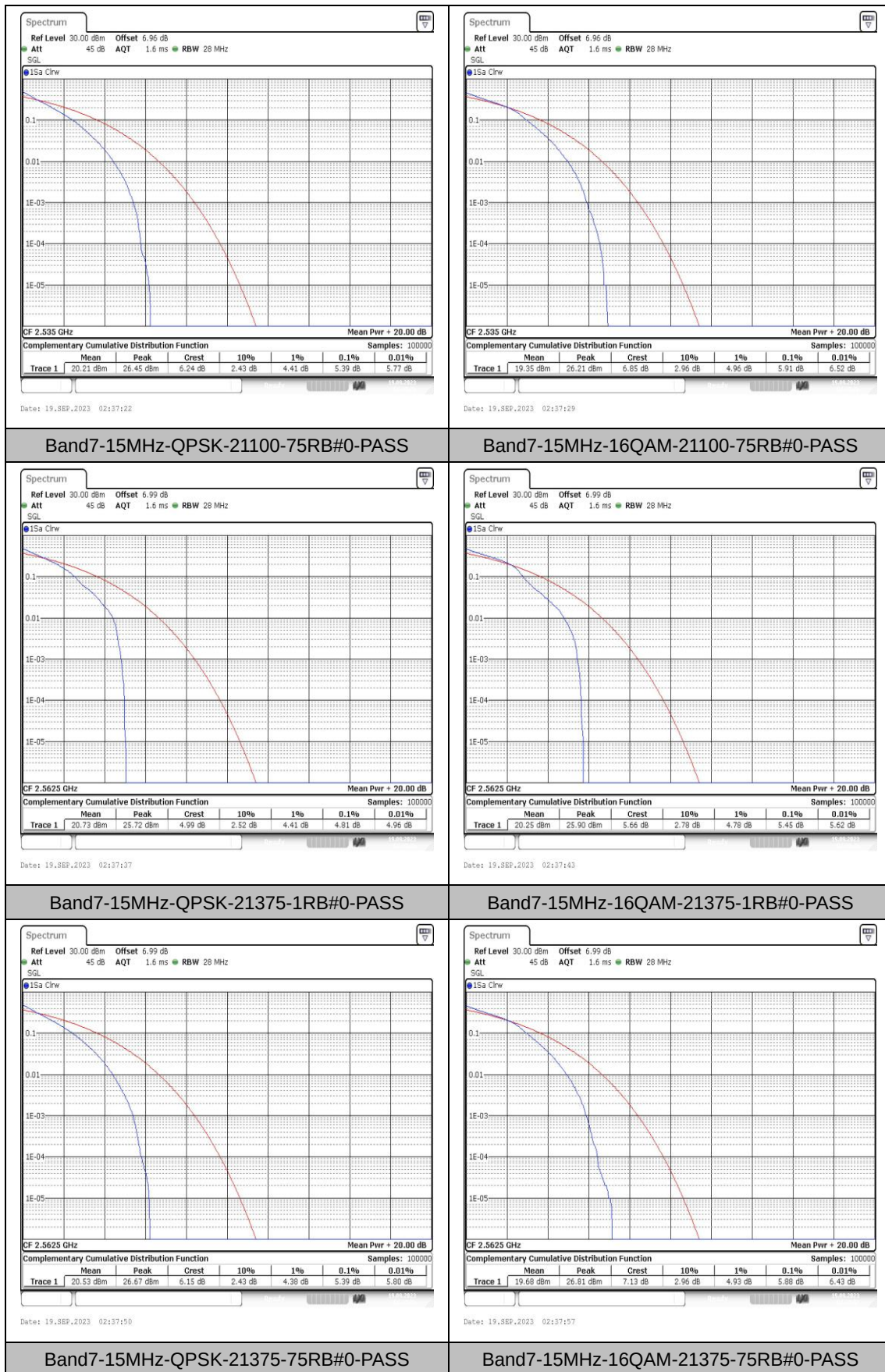
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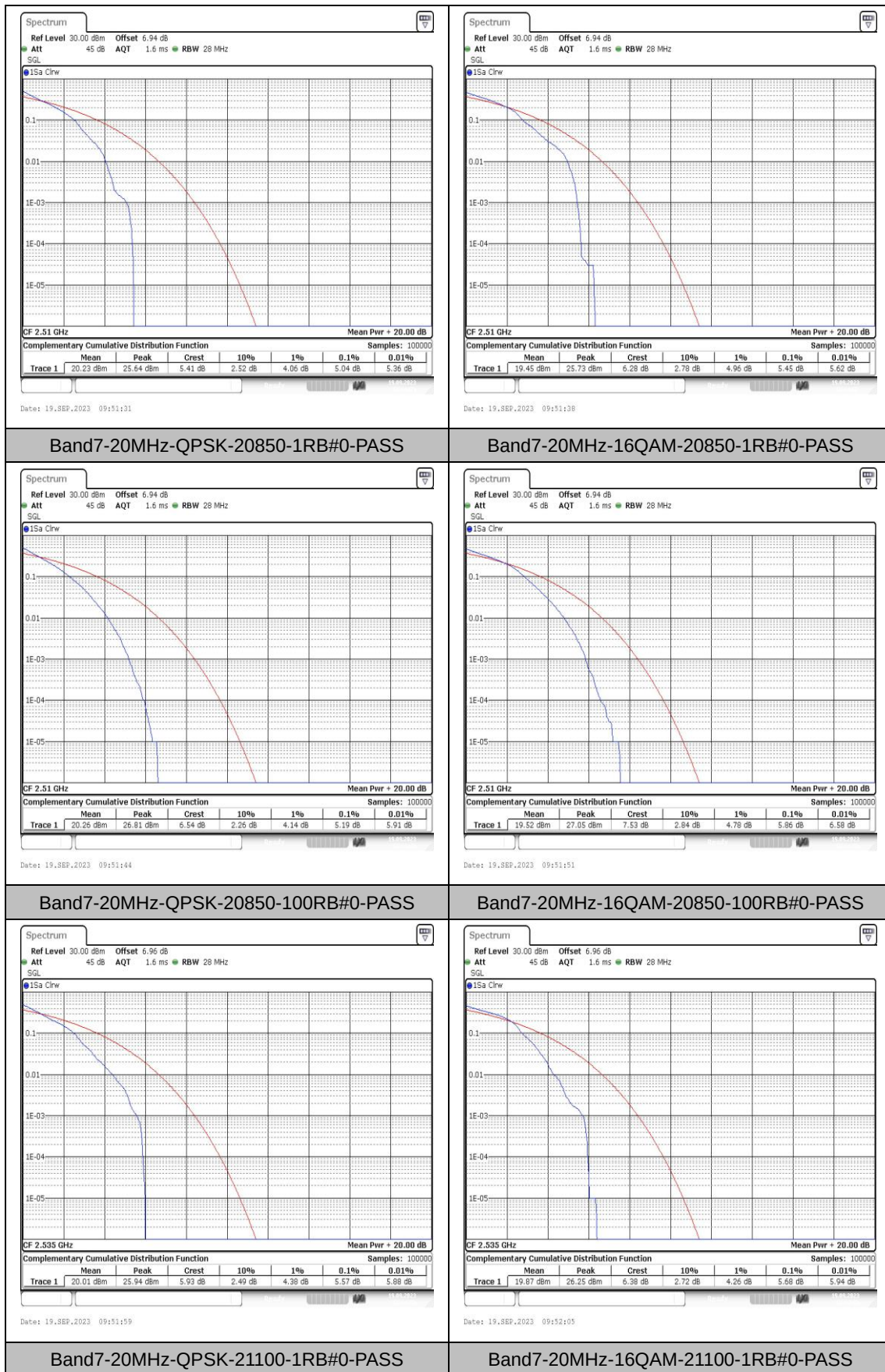


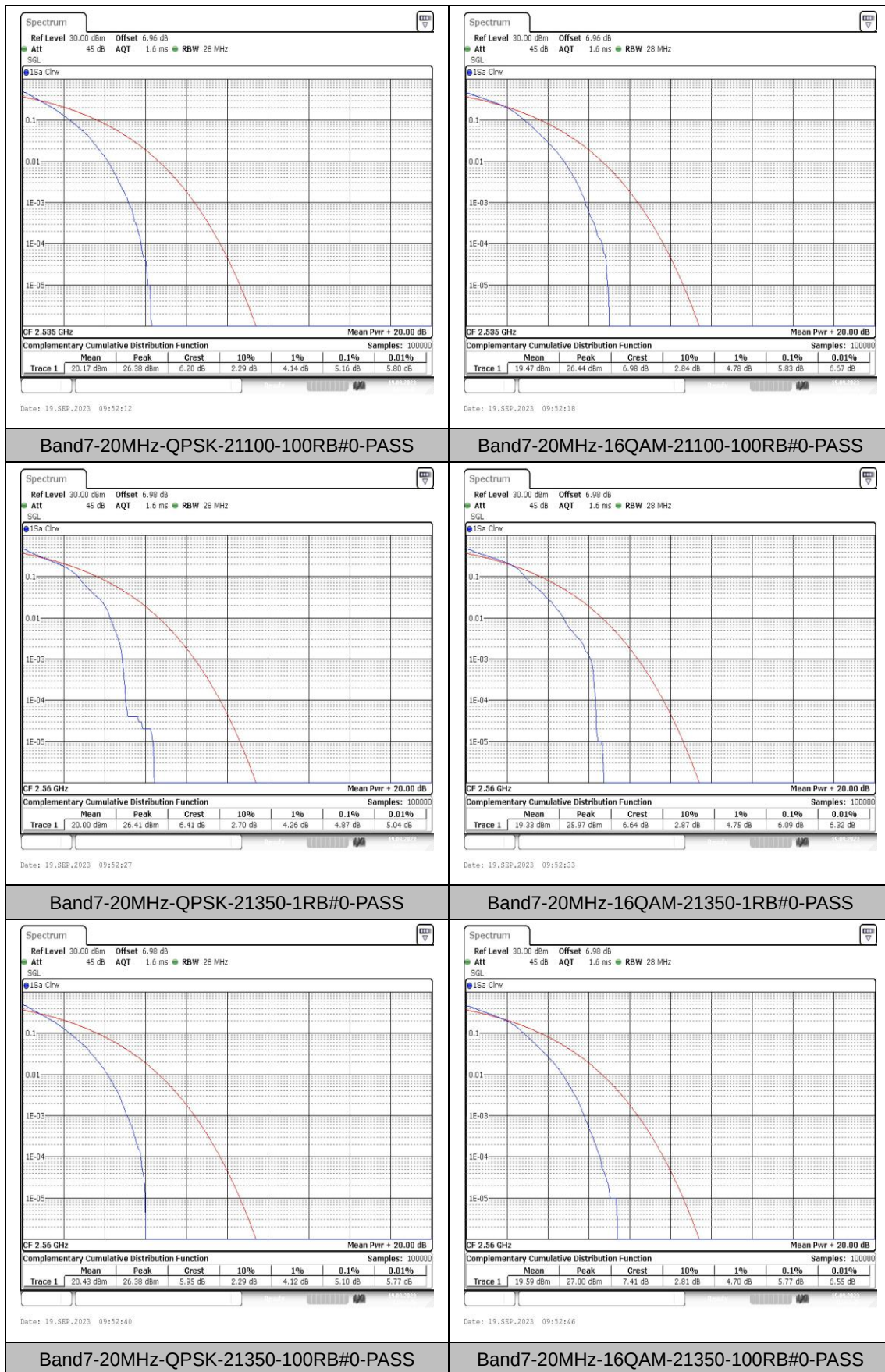










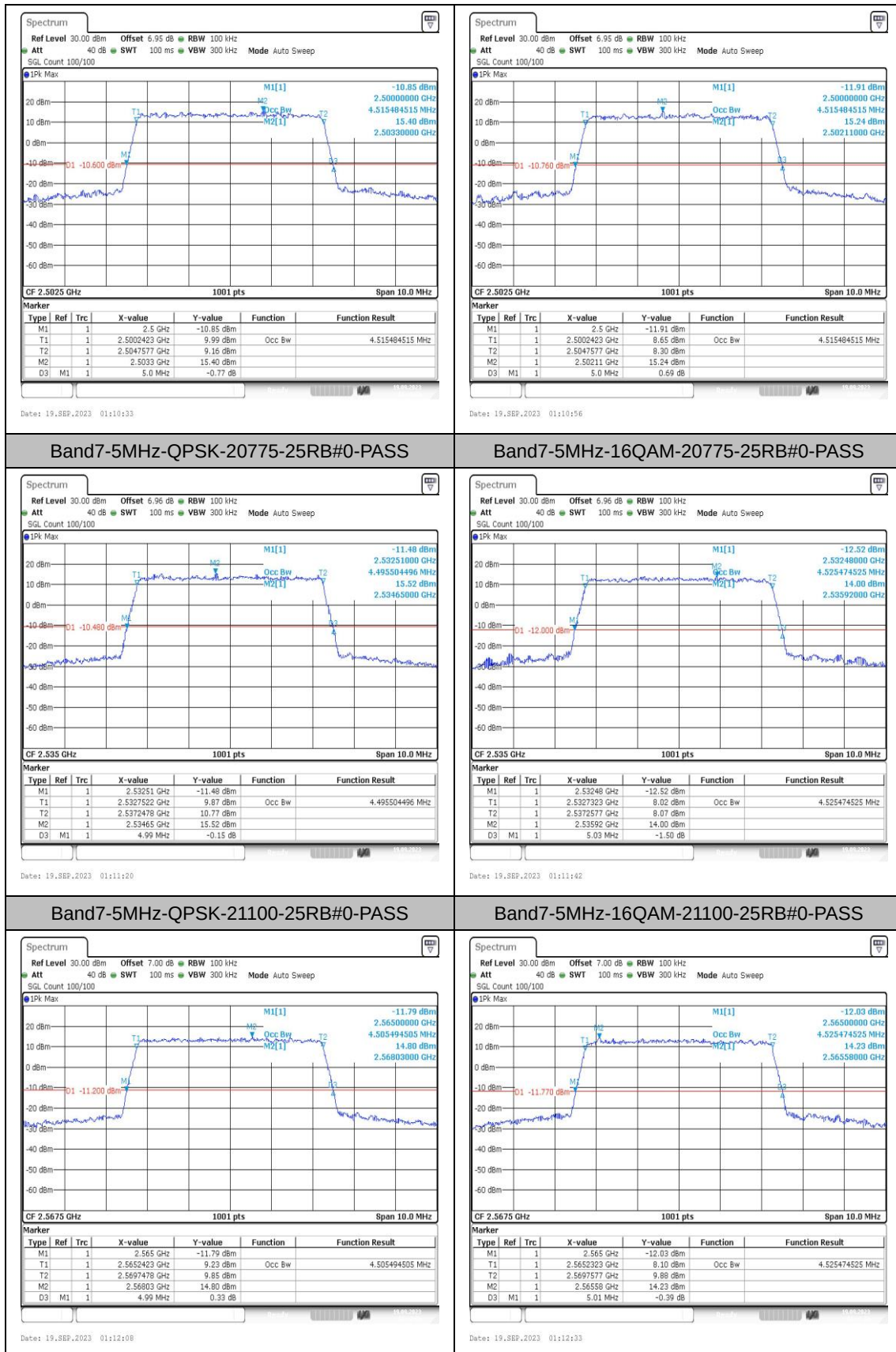


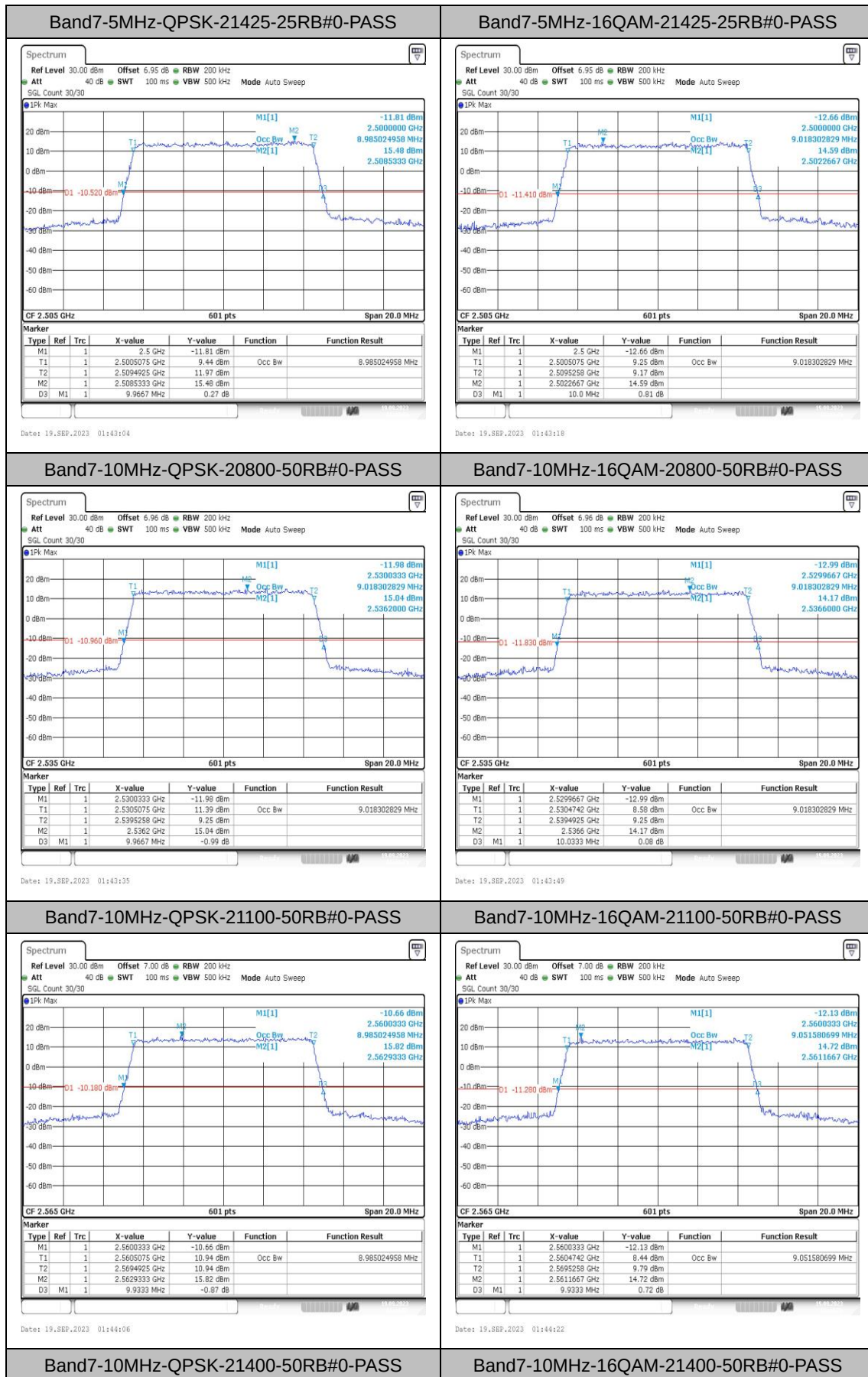
Appendix C: 26dB Bandwidth and Occupied Bandwidth

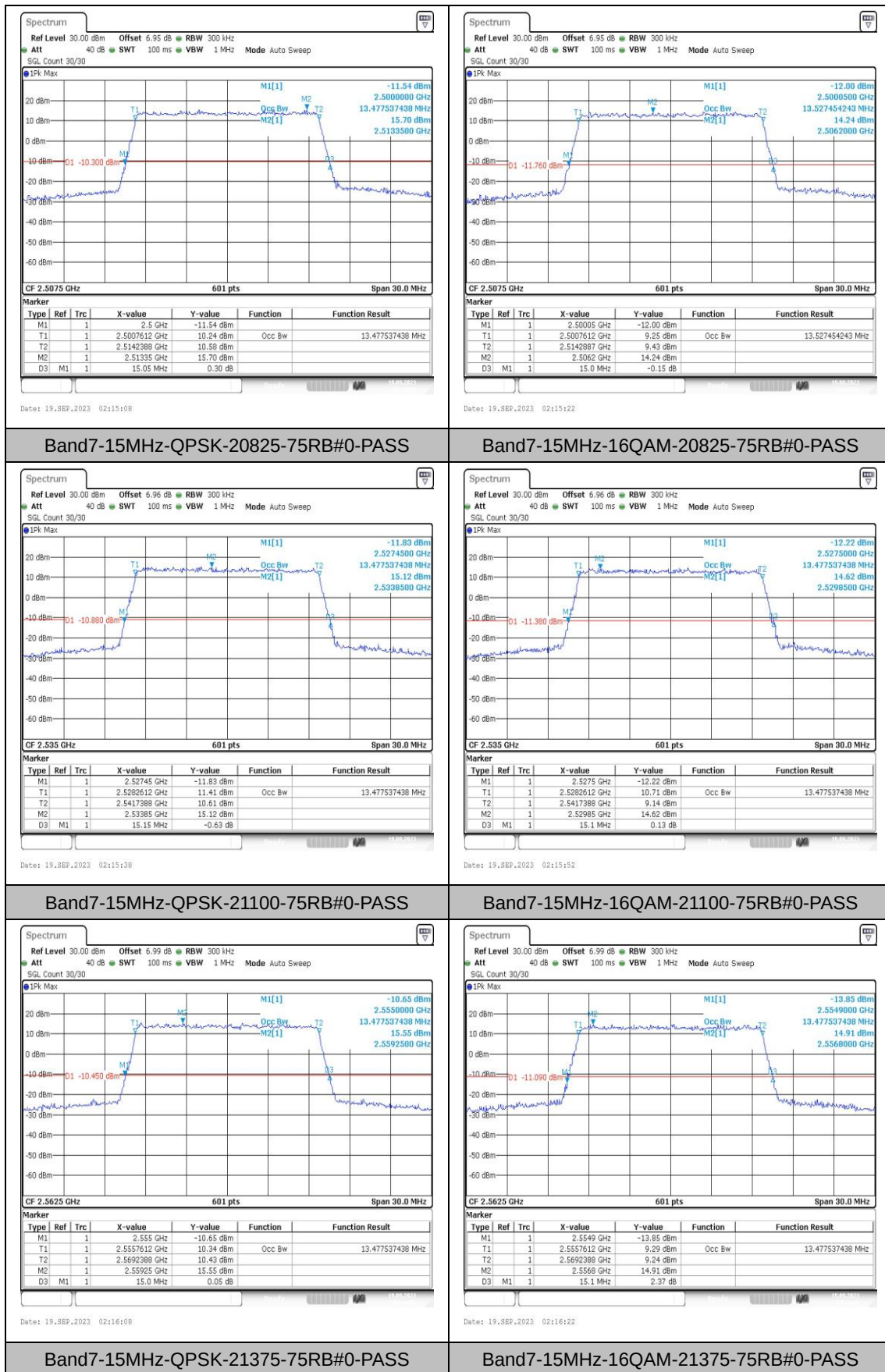
Test Result

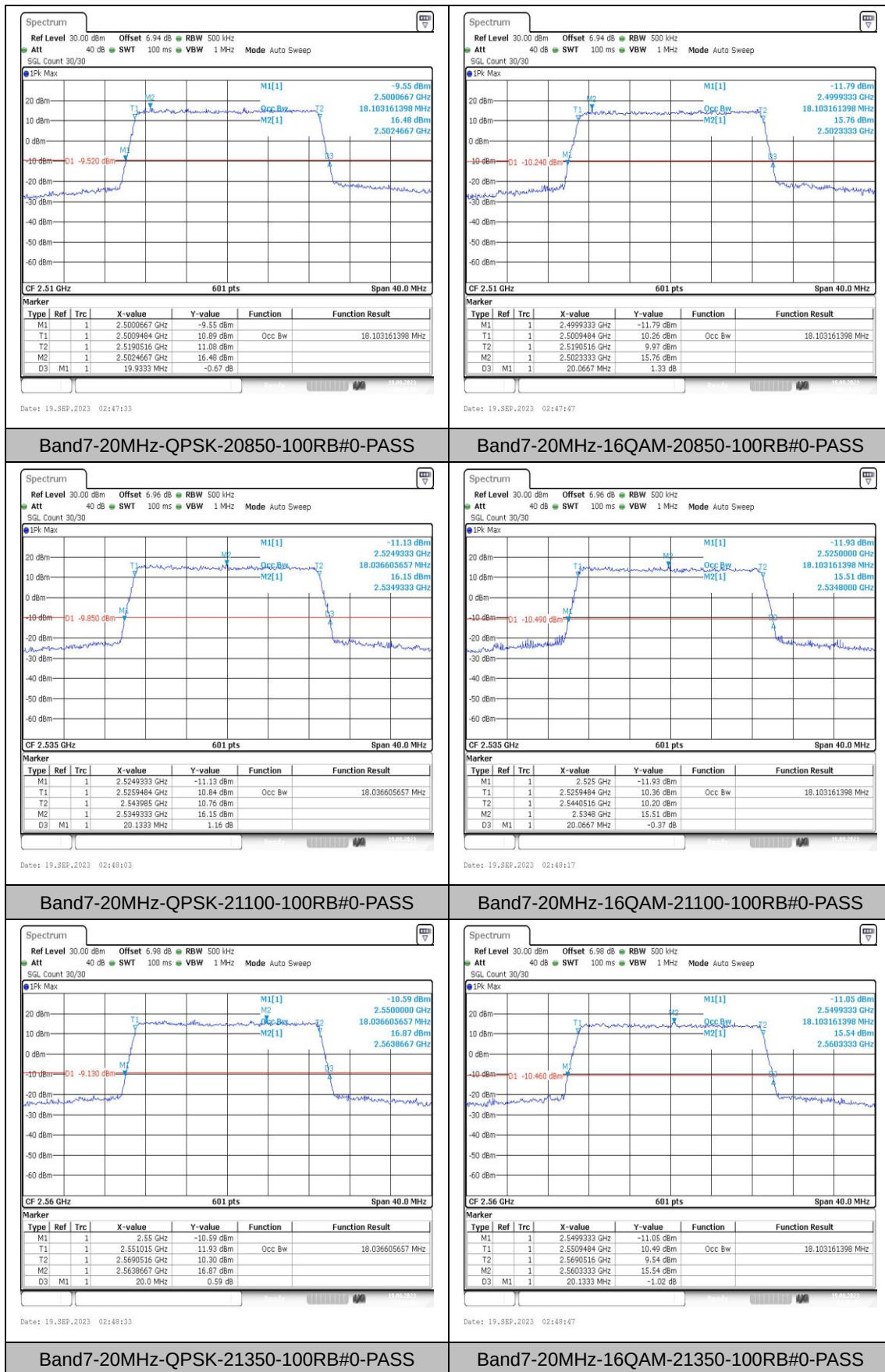
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.515	5.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.515	5.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.496	4.99	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.525	5.03	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.505	4.99	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.525	5.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.97	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.018	10.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.018	9.97	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.018	10.03	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.985	9.93	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.052	9.93	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	15.05	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.527	15.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	15.15	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	15.10	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	15.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	15.10	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.103	19.93	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.103	21.07	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.037	21.13	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.103	21.07	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.037	21.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.103	21.13	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-17.84	PASS
Band7	5MHz	16QAM	20775	1RB#0	-18.68	PASS
Band7	5MHz	QPSK	20775	1RB#24	-43.41	PASS
Band7	5MHz	16QAM	20775	1RB#24	-43.44	PASS
Band7	5MHz	QPSK	20775	25RB#0	-25.67	PASS
Band7	5MHz	16QAM	20775	25RB#0	-26.41	PASS
Band7	5MHz	QPSK	21425	1RB#0	-43.14	PASS
Band7	5MHz	16QAM	21425	1RB#0	-38.31	PASS
Band7	5MHz	QPSK	21425	1RB#24	-18.21	PASS
Band7	5MHz	16QAM	21425	1RB#24	-19.09	PASS
Band7	5MHz	QPSK	21425	25RB#0	-24.54	PASS
Band7	5MHz	16QAM	21425	25RB#0	-26.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	-20.79	PASS
Band7	10MHz	16QAM	20800	1RB#0	-21.41	PASS
Band7	10MHz	QPSK	20800	1RB#49	-43.45	PASS
Band7	10MHz	16QAM	20800	1RB#49	-43.55	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.49	PASS
Band7	10MHz	16QAM	20800	50RB#0	-42.64	PASS
Band7	10MHz	QPSK	21400	1RB#0	-43.37	PASS
Band7	10MHz	16QAM	21400	1RB#0	-43.28	PASS
Band7	10MHz	QPSK	21400	1RB#49	-19.76	PASS
Band7	10MHz	16QAM	21400	1RB#49	-19.45	PASS
Band7	10MHz	QPSK	21400	50RB#0	-27.06	PASS
Band7	10MHz	16QAM	21400	50RB#0	-42.35	PASS
Band7	15MHz	QPSK	20825	1RB#0	-19.63	PASS
Band7	15MHz	16QAM	20825	1RB#0	-19.55	PASS
Band7	15MHz	QPSK	20825	1RB#74	-43.55	PASS
Band7	15MHz	16QAM	20825	1RB#74	-43.58	PASS
Band7	15MHz	QPSK	20825	75RB#0	-42.67	PASS
Band7	15MHz	16QAM	20825	75RB#0	-42.94	PASS
Band7	15MHz	QPSK	21375	1RB#0	-43.26	PASS
Band7	15MHz	16QAM	21375	1RB#0	-43.33	PASS
Band7	15MHz	QPSK	21375	1RB#74	-20.36	PASS
Band7	15MHz	16QAM	21375	1RB#74	-20.58	PASS
Band7	15MHz	QPSK	21375	75RB#0	-29.88	PASS

Band7	15MHz	16QAM	21375	75RB#0	-42.37	PASS
Band7	20MHz	QPSK	20850	1RB#0	-21.24	PASS
Band7	20MHz	16QAM	20850	1RB#0	-21.36	PASS
Band7	20MHz	QPSK	20850	1RB#99	-43.63	PASS
Band7	20MHz	16QAM	20850	1RB#99	-43.52	PASS
Band7	20MHz	QPSK	20850	100RB#0	-43.35	PASS
Band7	20MHz	16QAM	20850	100RB#0	-43.46	PASS
Band7	20MHz	QPSK	21350	1RB#0	-43.41	PASS
Band7	20MHz	16QAM	21350	1RB#0	-43.35	PASS
Band7	20MHz	QPSK	21350	1RB#99	-21.02	PASS
Band7	20MHz	16QAM	21350	1RB#99	-20.22	PASS
Band7	20MHz	QPSK	21350	100RB#0	-42.82	PASS
Band7	20MHz	16QAM	21350	100RB#0	-42.86	PASS

Test Graphs

