

Appendix for LTE BAND 7

Product Name: Mobile Phone

Model No: SIMPLE

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.06	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.93	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.38	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.19	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.36	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.12	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.32	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.24	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.13	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.24	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.28	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.33	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.38	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.81	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.83	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.80	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.11	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.17	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.18	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.24	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.84	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.76	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.91	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.18	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.37	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.23	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.33	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.22	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.24	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.21	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.52	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.56	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.53	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.48	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.52	PASS

Band7	5MHz	16QAM	21425	1RB#12	20.55	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.75	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.52	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.58	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.59	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.65	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.96	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.97	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.85	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.11	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.28	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.07	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.26	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.39	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.87	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.69	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.27	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.27	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.09	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.45	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.94	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.88	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.92	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.08	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.16	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.20	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.10	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.87	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.61	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.53	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.44	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.45	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.36	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.28	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.20	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.32	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.32	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.44	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.49	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.51	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.58	PASS

Band7	10MHz	16QAM	21400	1RB#24	20.97	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.95	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.58	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.60	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.63	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.61	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.97	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.81	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.70	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.13	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.12	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.12	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.11	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.89	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.77	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.25	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.13	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.12	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.12	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.16	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.49	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.57	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.53	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.17	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.19	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.19	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.19	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.59	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.56	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.60	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.19	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.19	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.19	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.26	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.11	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.09	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.19	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.44	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.46	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.47	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.46	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.50	PASS

Band7	15MHz	16QAM	21375	1RB#38	21.09	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.56	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.46	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.47	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.47	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.51	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.11	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.90	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.80	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.31	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.30	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.17	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.12	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.32	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.12	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.17	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.55	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.55	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.30	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.16	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.94	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.04	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.14	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.06	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.13	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.10	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.28	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.19	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.12	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.18	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.22	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.27	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.30	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.28	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.16	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.14	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.63	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.45	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.35	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.60	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.46	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.95	PASS

Band7	20MHz	16QAM	21350	1RB#49	21.10	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.18	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.62	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.64	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.75	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.62	PASS

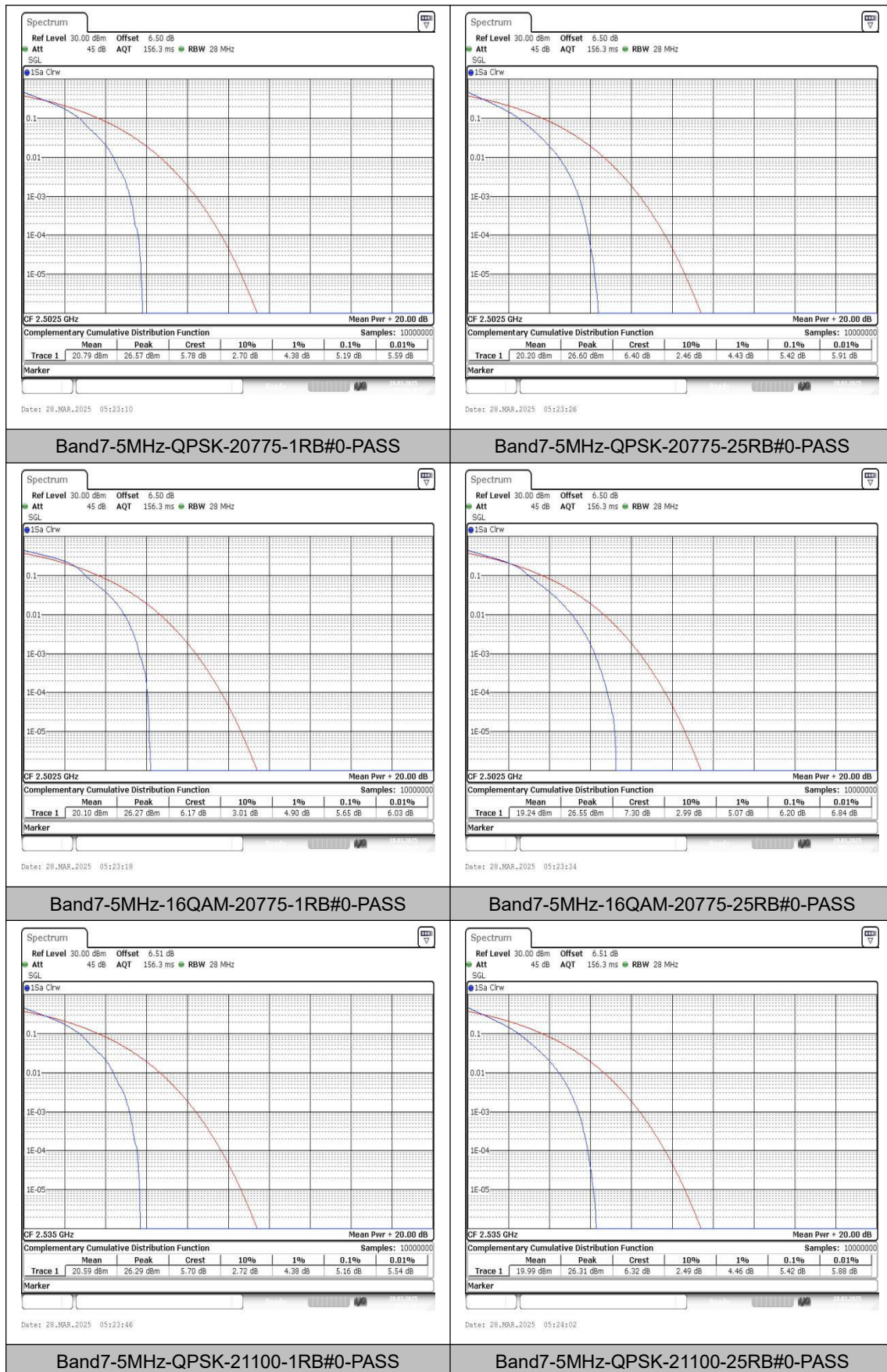
Appendix B: Peak-to-Average Ratio(CCDF)

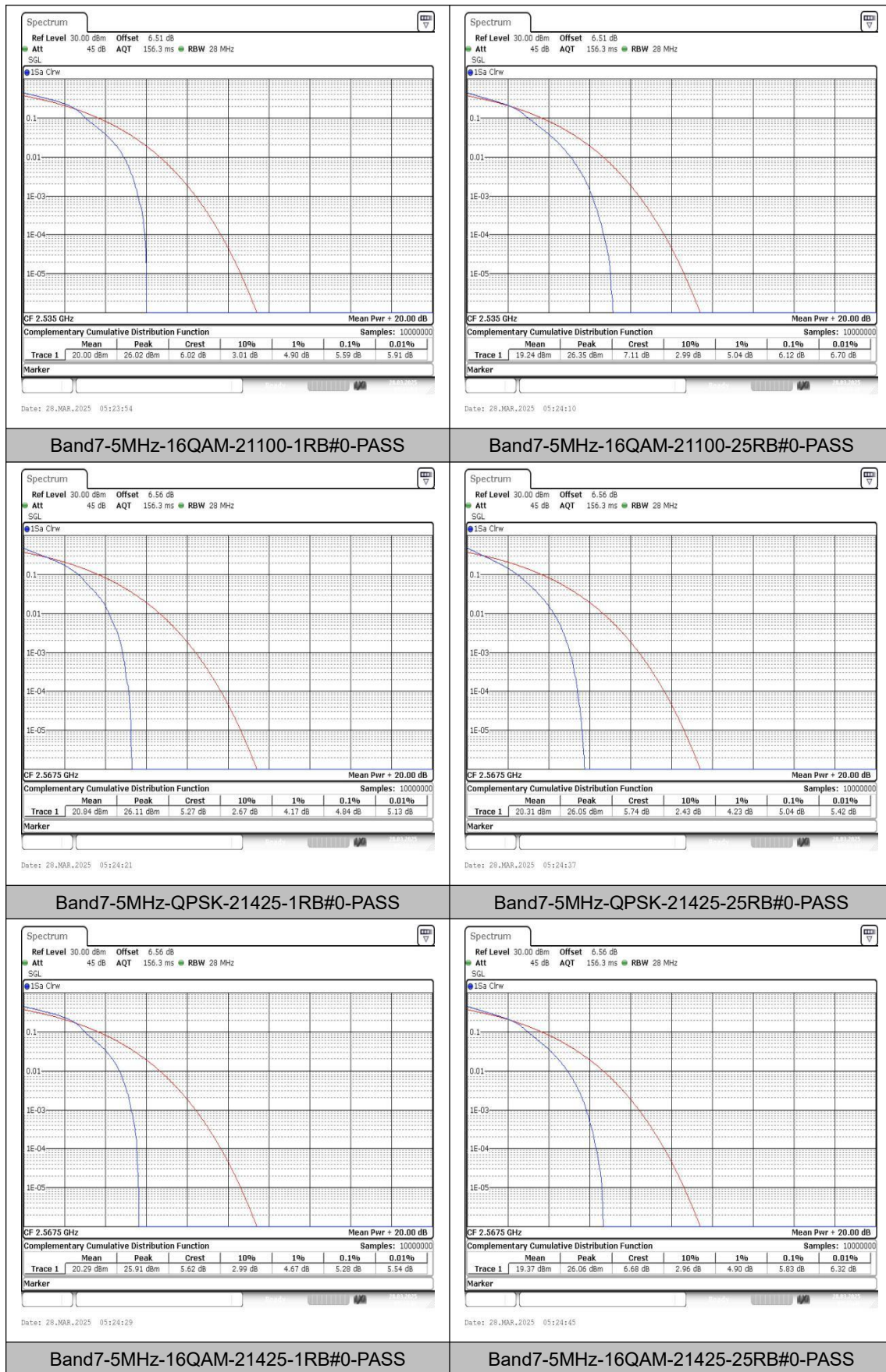
Test Result

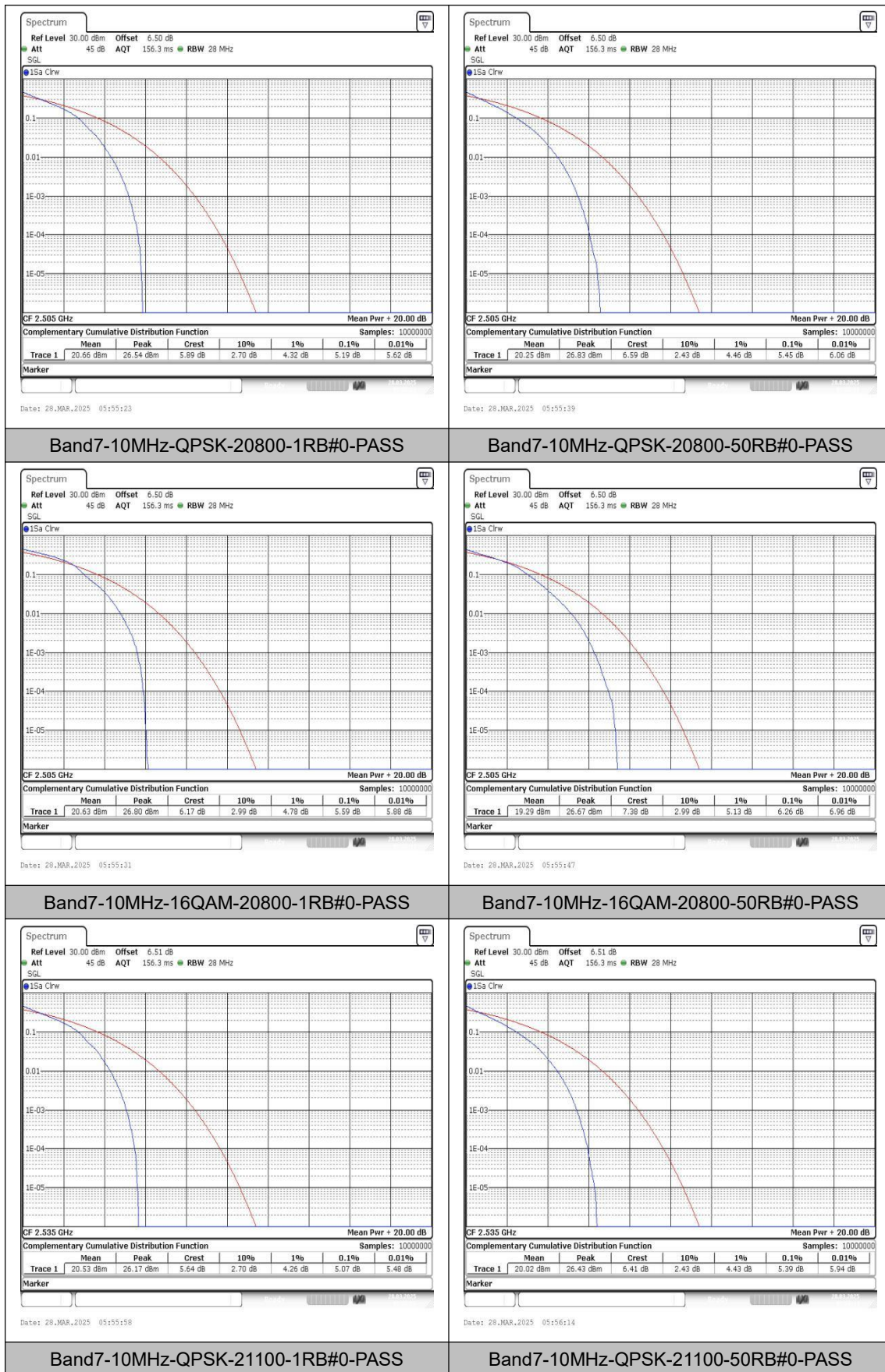
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.19	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.65	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.20	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.16	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.59	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.12	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.84	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.04	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.28	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.83	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.19	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.45	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.59	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.26	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.07	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.39	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.48	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.23	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.04	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.19	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.39	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.97	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.19	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.77	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.54	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.35	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.07	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.62	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.45	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.26	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.19	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.54	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.62	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.17	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.96	13	PASS

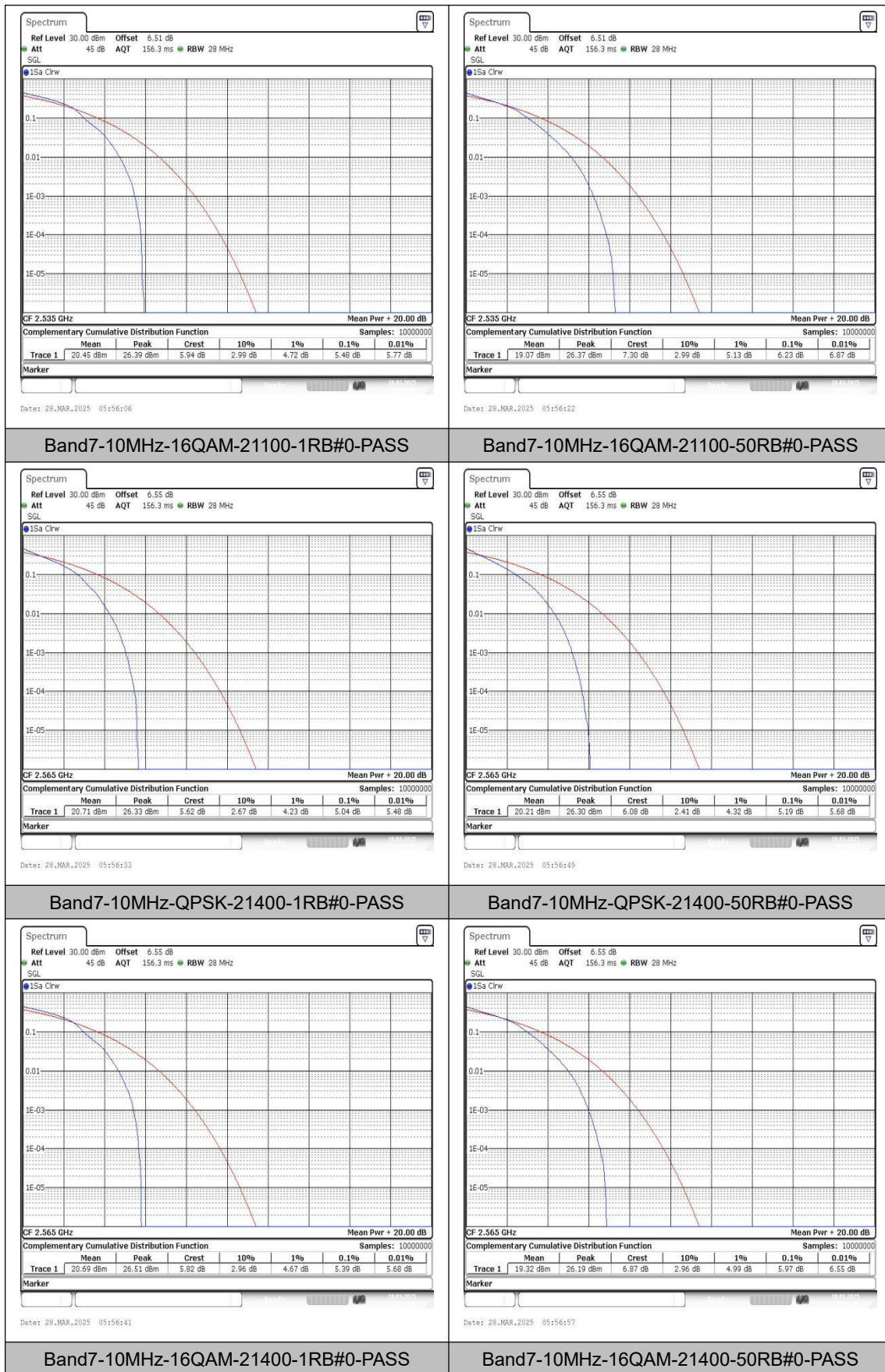
Band7	20MHz	QPSK	20850	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.48	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.32	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.84	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.45	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.59	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.13	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.33	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.12	13	PASS

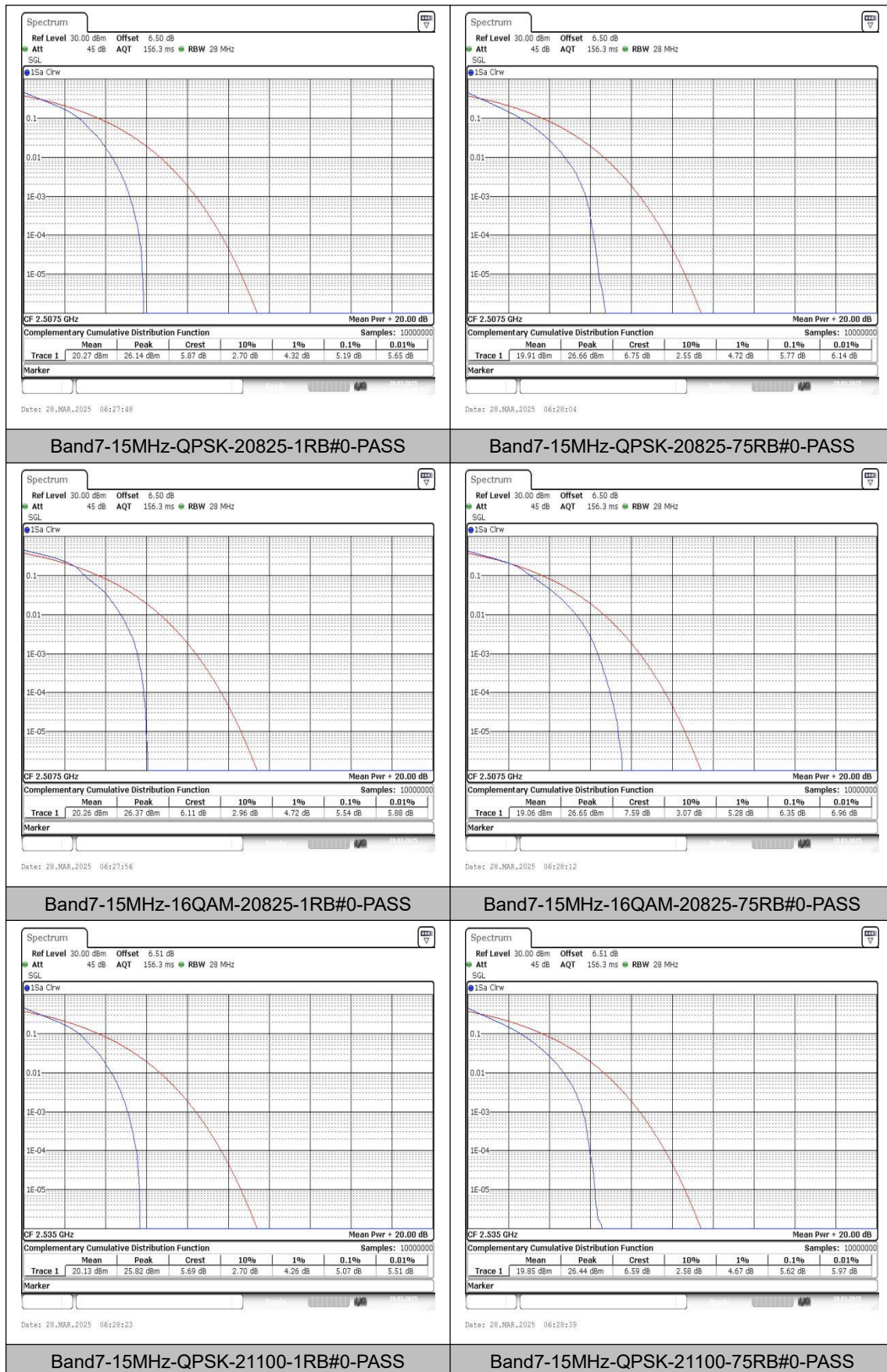
Test Graphs

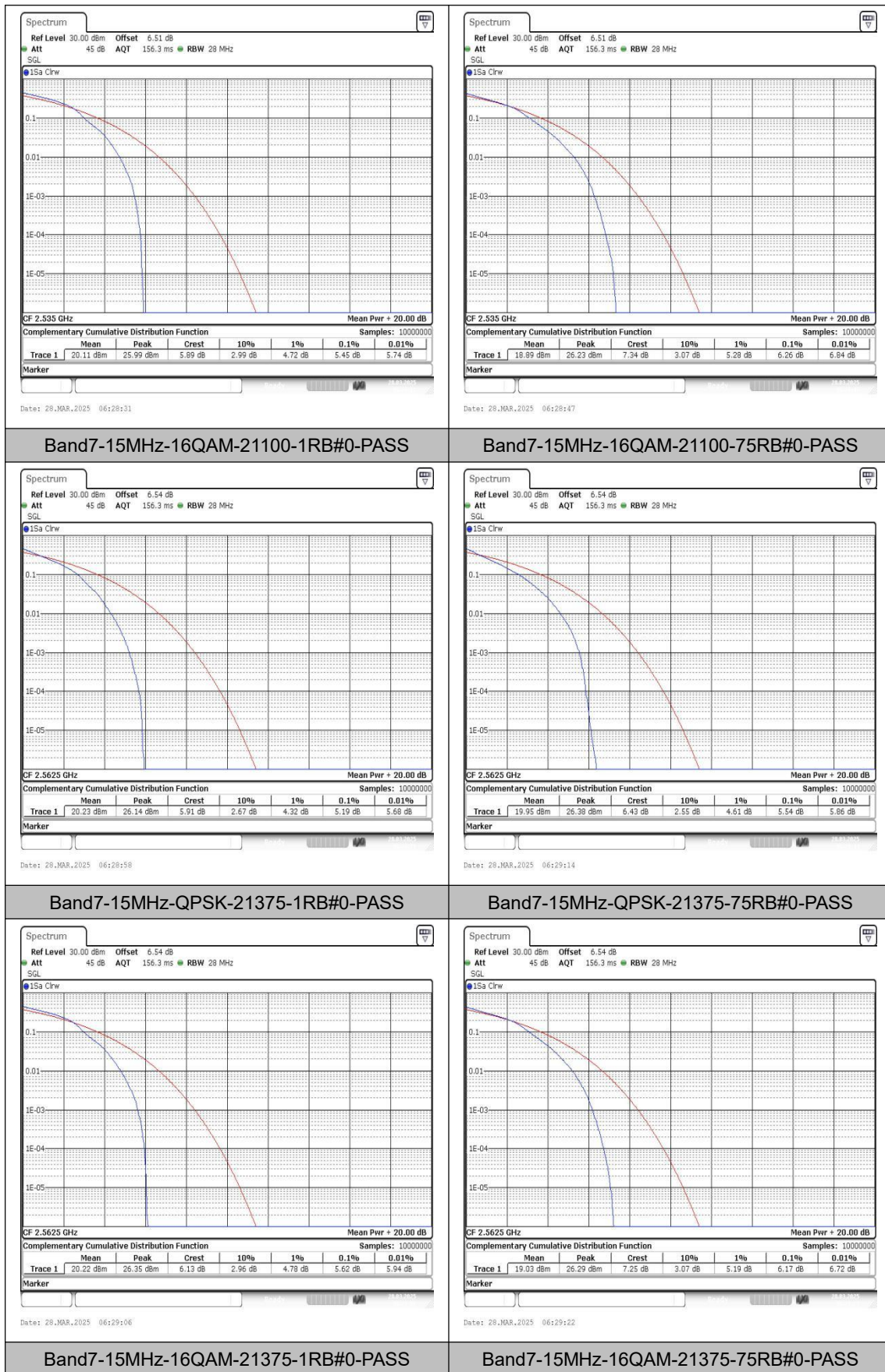


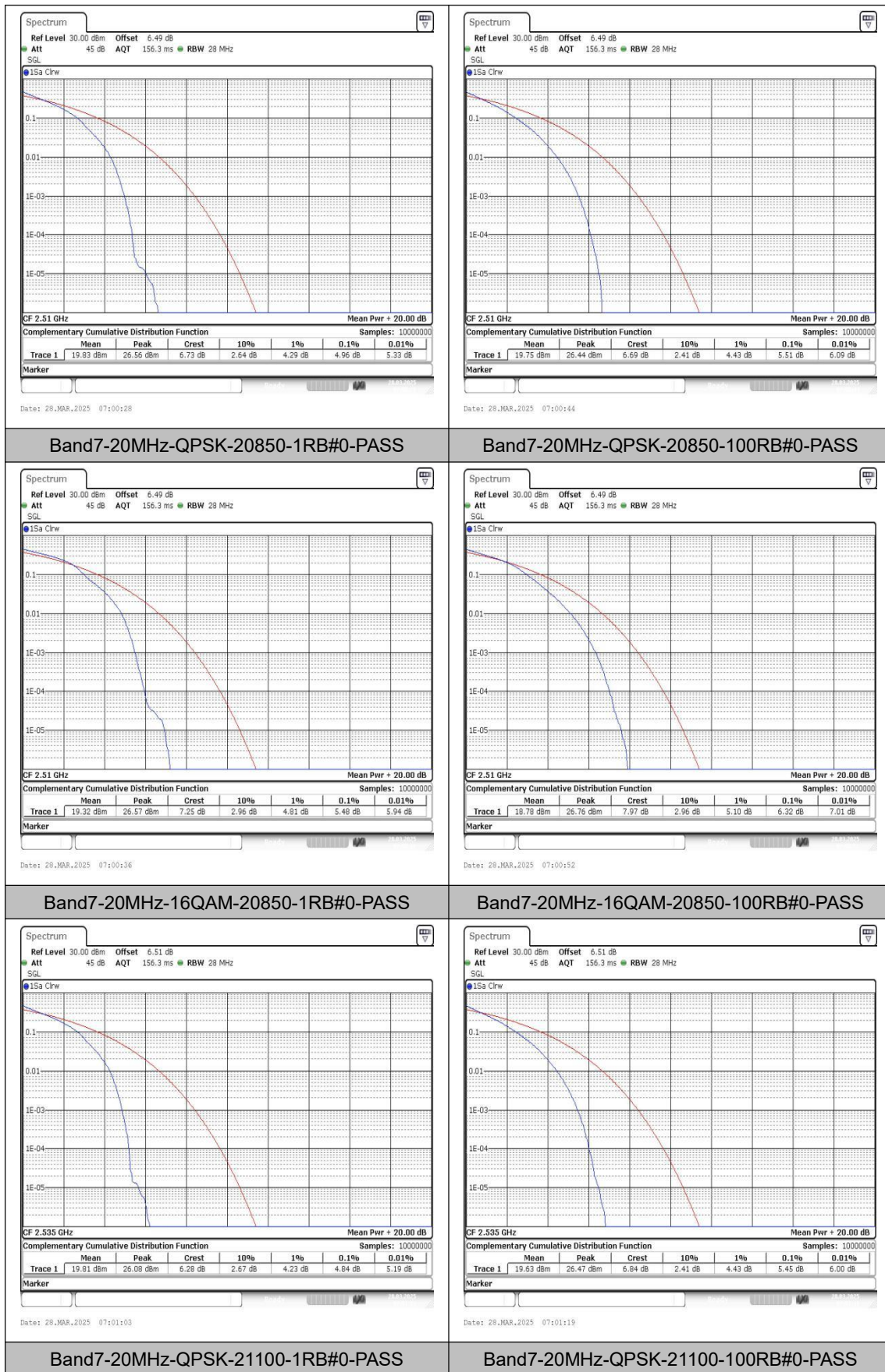


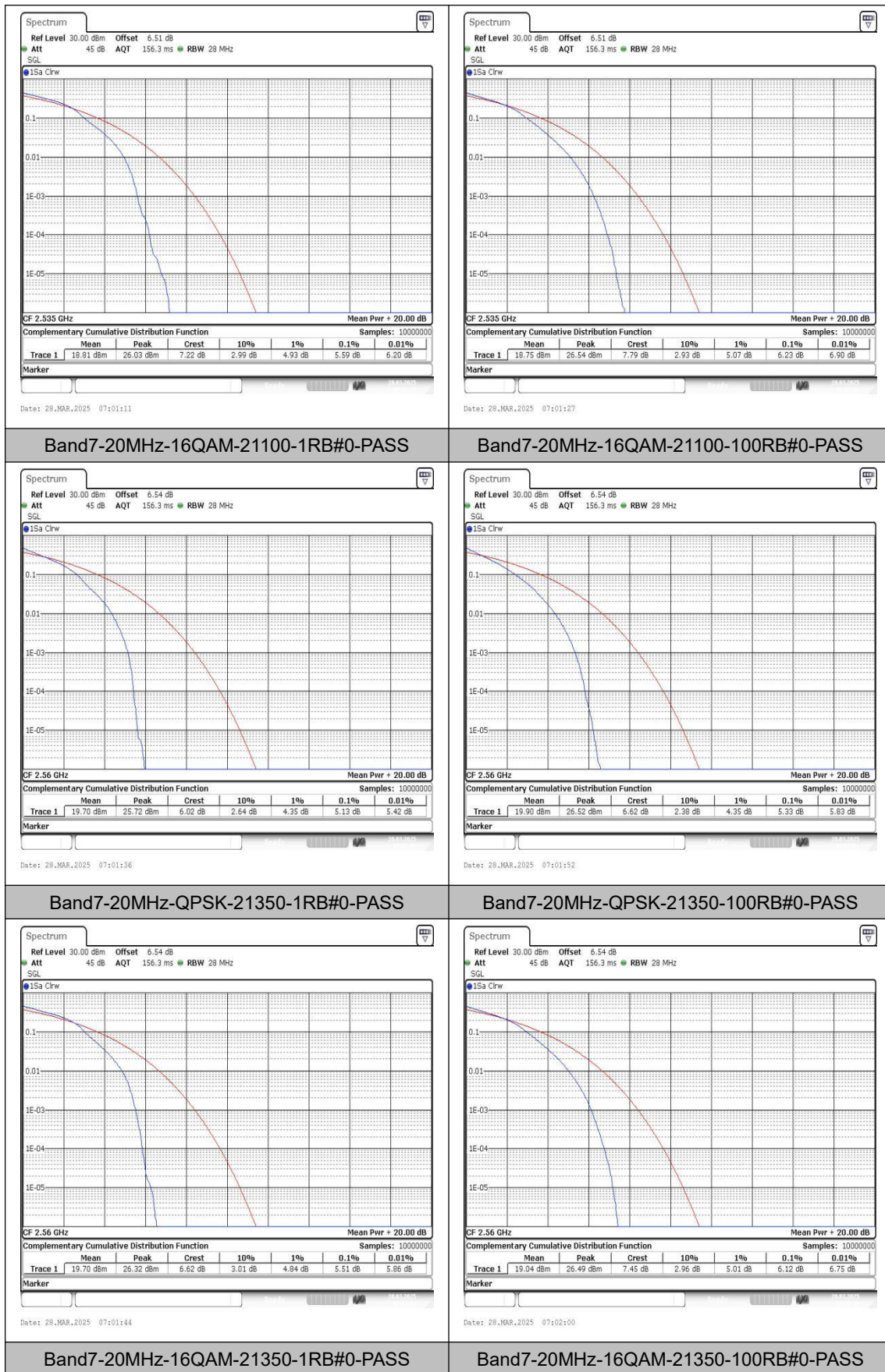












Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.505	5.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.505	4.99	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.505	5.01	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.505	4.98	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.505	5.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.505	4.99	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.018	9.93	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.018	9.97	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.97	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.018	10.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.985	9.97	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.985	9.93	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.527	15.05	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.527	15.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	15.10	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	15.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	15.05	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	15.05	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.103	20.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.037	20.07	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.103	20.07	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.17	19.93	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.037	20.07	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.103	20.00	PASS

Test Graphs

