

Appendix for Band 7

Product Name: Zenius08

Model No: GMT-08QA-2301

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.09	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.10	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.07	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.13	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.10	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.15	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.12	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.63	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.60	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.47	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.48	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.48	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.56	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.54	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.97	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.98	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.94	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.95	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.95	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.04	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.38	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.40	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.32	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.18	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.17	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.24	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.13	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.58	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.75	PASS

Band7	5MHz	16QAM	21100	1RB#24	21.54	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.54	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.57	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.56	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.57	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.94	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.09	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.08	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.92	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.96	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.15	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.95	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.01	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.89	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.90	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.12	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.08	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.08	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.10	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.56	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.50	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.42	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.64	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.58	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.49	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.57	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.93	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.82	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.83	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.08	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.07	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.02	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.03	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.41	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.27	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.32	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.11	PASS

Band7	10MHz	16QAM	20800	25RB#12	21.09	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.09	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.12	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.77	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.74	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.71	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.64	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.65	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.56	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.57	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.91	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.93	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.88	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.10	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.09	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.57	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.55	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.77	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.67	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.56	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.93	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.93	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.95	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.92	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.43	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.28	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.17	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.38	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.38	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.35	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.37	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.78	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.69	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.63	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.90	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.90	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.87	PASS

Band7	15MHz	QPSK	21375	75RB#0	20.89	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.23	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.96	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.08	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.94	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.93	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.93	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.90	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.76	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.71	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.47	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.37	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.40	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.33	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.36	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.89	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.83	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.74	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.94	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.91	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.90	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.14	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.01	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.92	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.85	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.87	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.77	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.92	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.62	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.34	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.15	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.49	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.50	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.32	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.42	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.85	PASS

Band7	20MHz	QPSK	21350	1RB#49	21.62	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.60	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.03	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.02	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.85	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.01	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.09	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.94	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.74	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.82	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.84	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.79	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.91	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.80	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.57	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.42	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.51	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.52	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.47	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.53	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.07	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.92	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.82	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.55	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.50	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.89	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.62	PASS

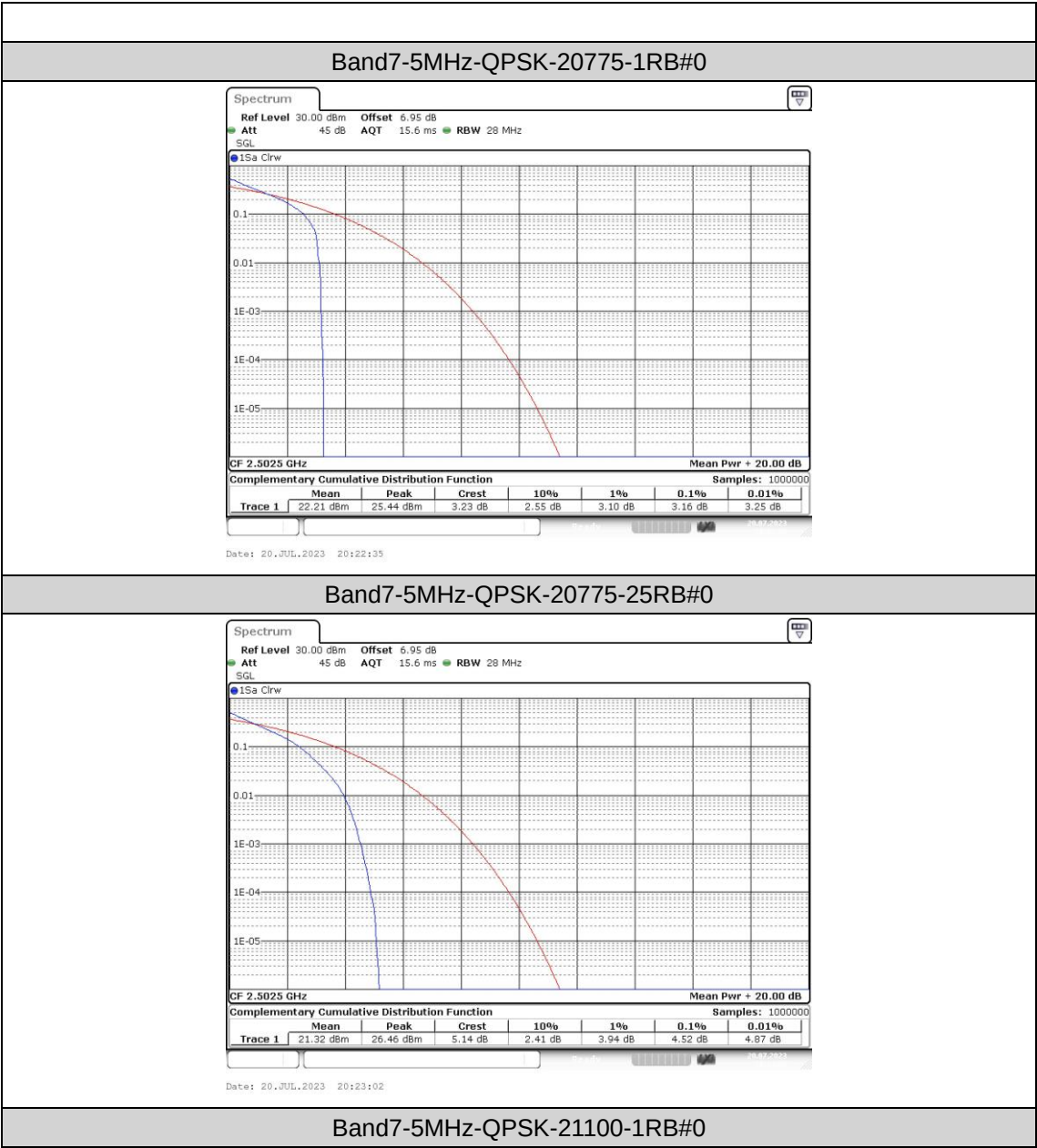
Appendix B: Peak-to-Average Ratio(CCDF)

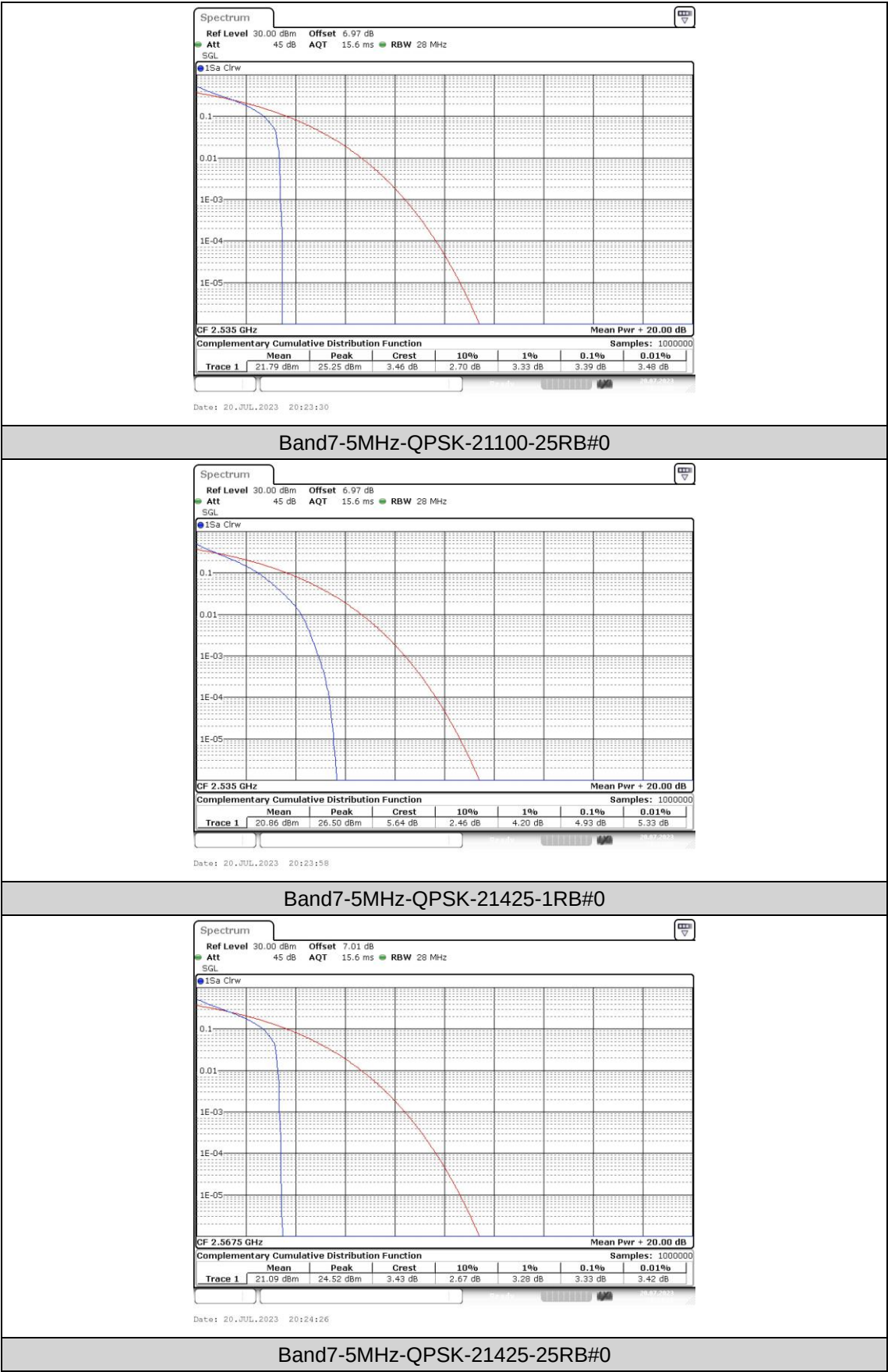
Test Result

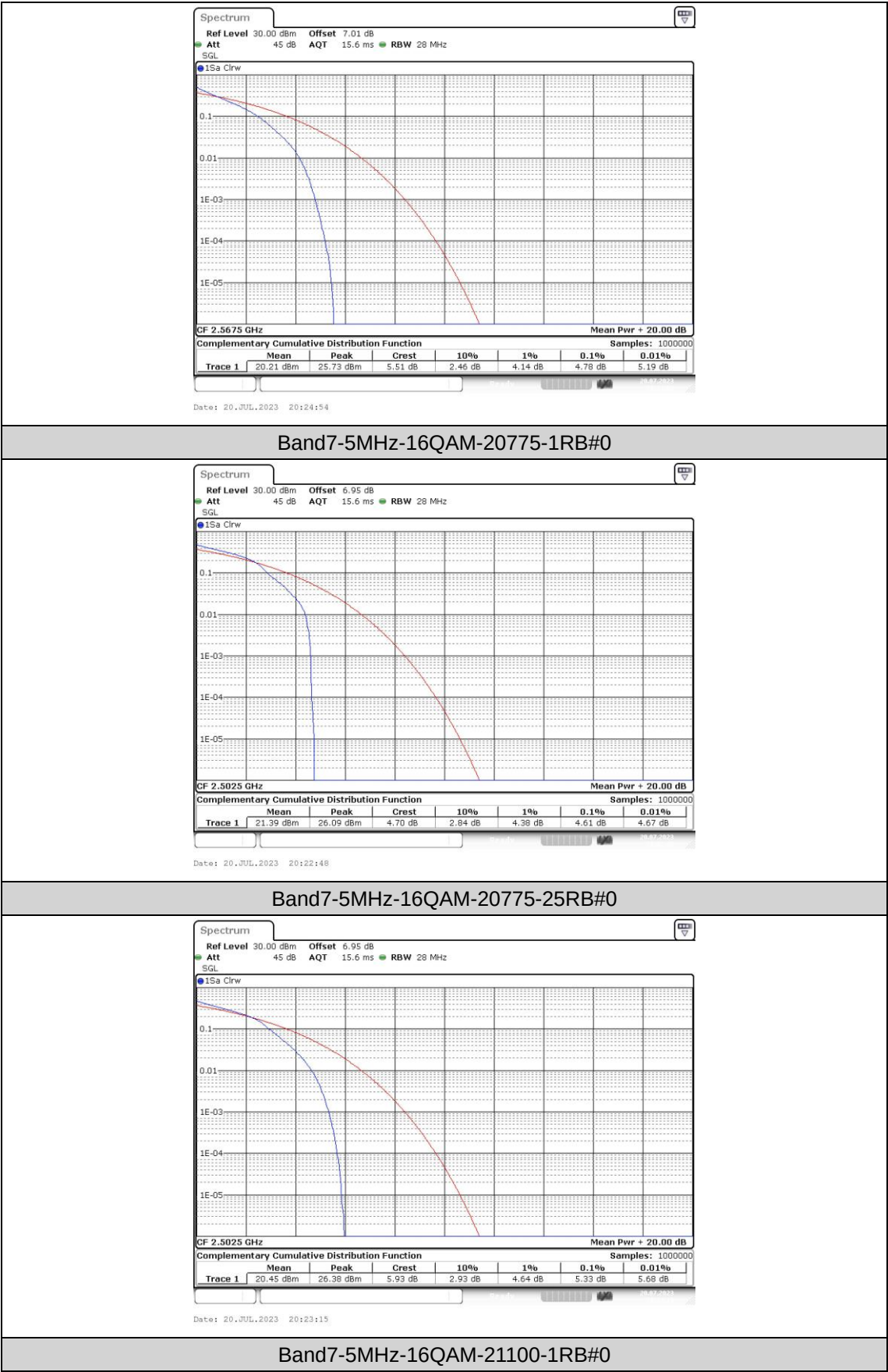
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.16	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.52	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.39	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.93	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.33	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.78	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.61	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.33	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.84	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.77	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.87	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.62	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.13	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.46	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.33	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.87	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.28	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.72	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.33	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.74	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.81	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.59	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.22	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.67	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.33	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.04	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.28	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.93	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.58	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.48	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.87	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.80	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.67	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.68	13	PASS

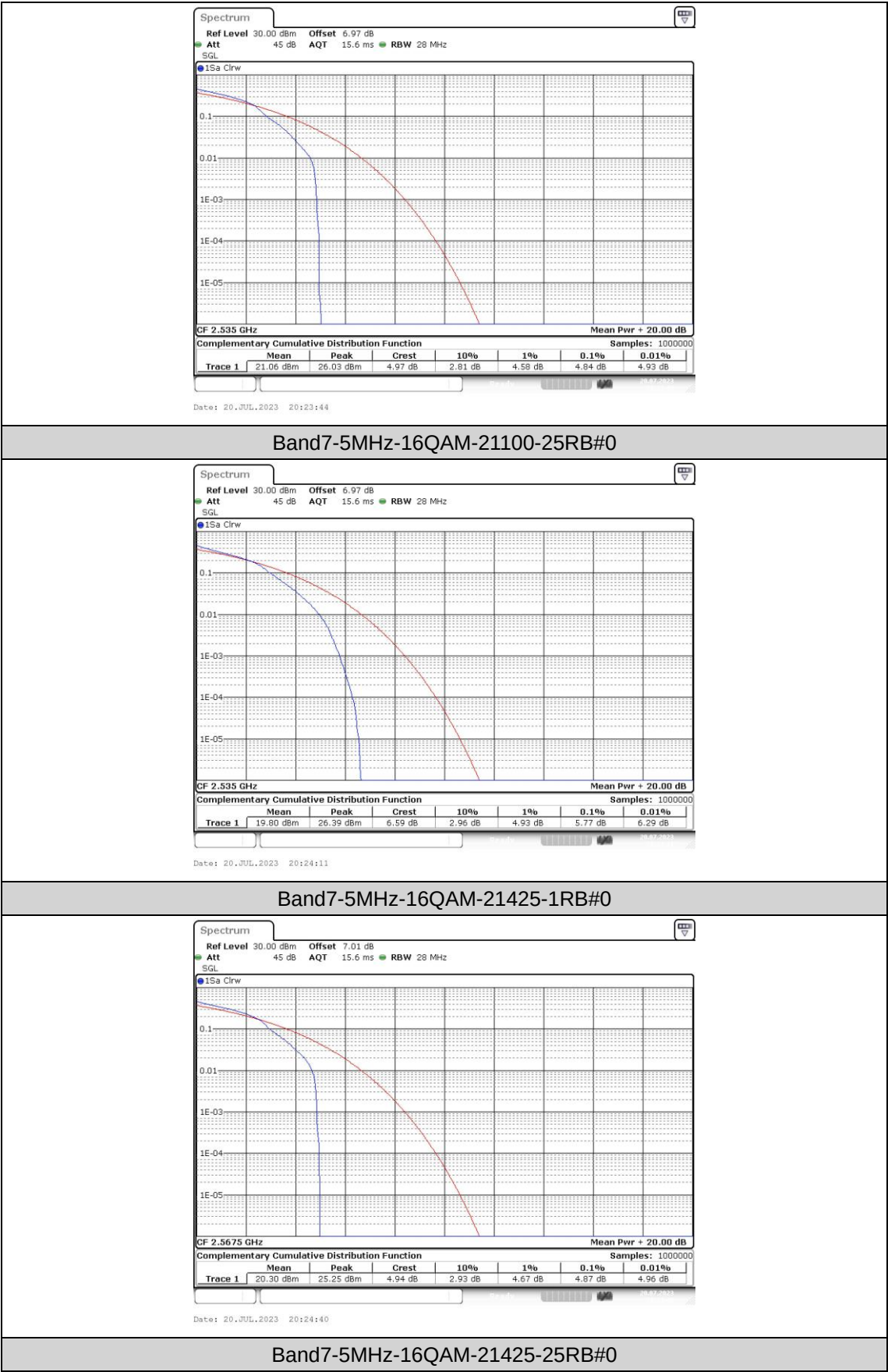
Band7	20MHz	QPSK	20850	1RB#0	3.19	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.52	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.33	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.81	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.25	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.72	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.55	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.45	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.01	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.71	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.70	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.59	13	PASS

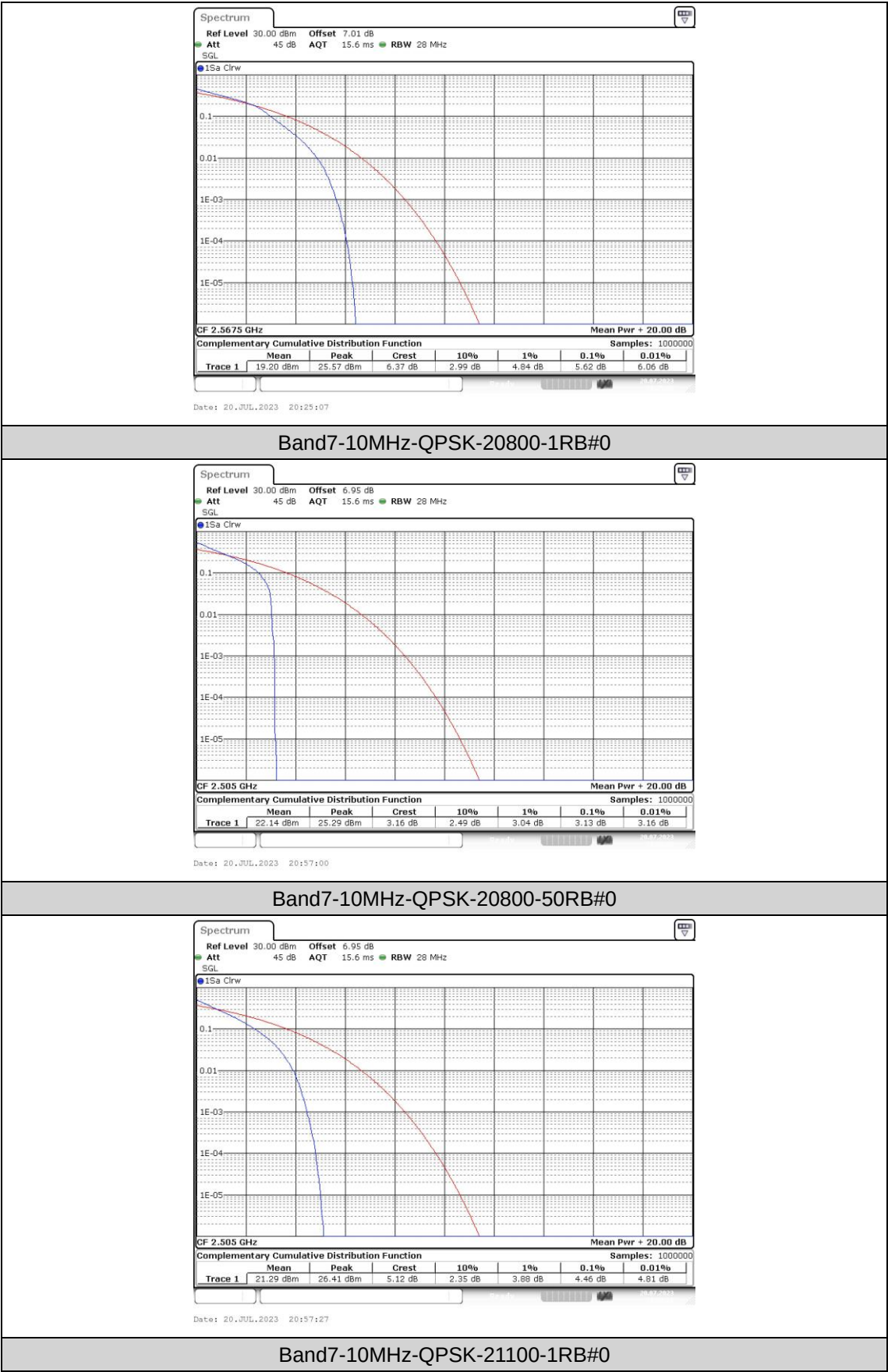
Test Graphs

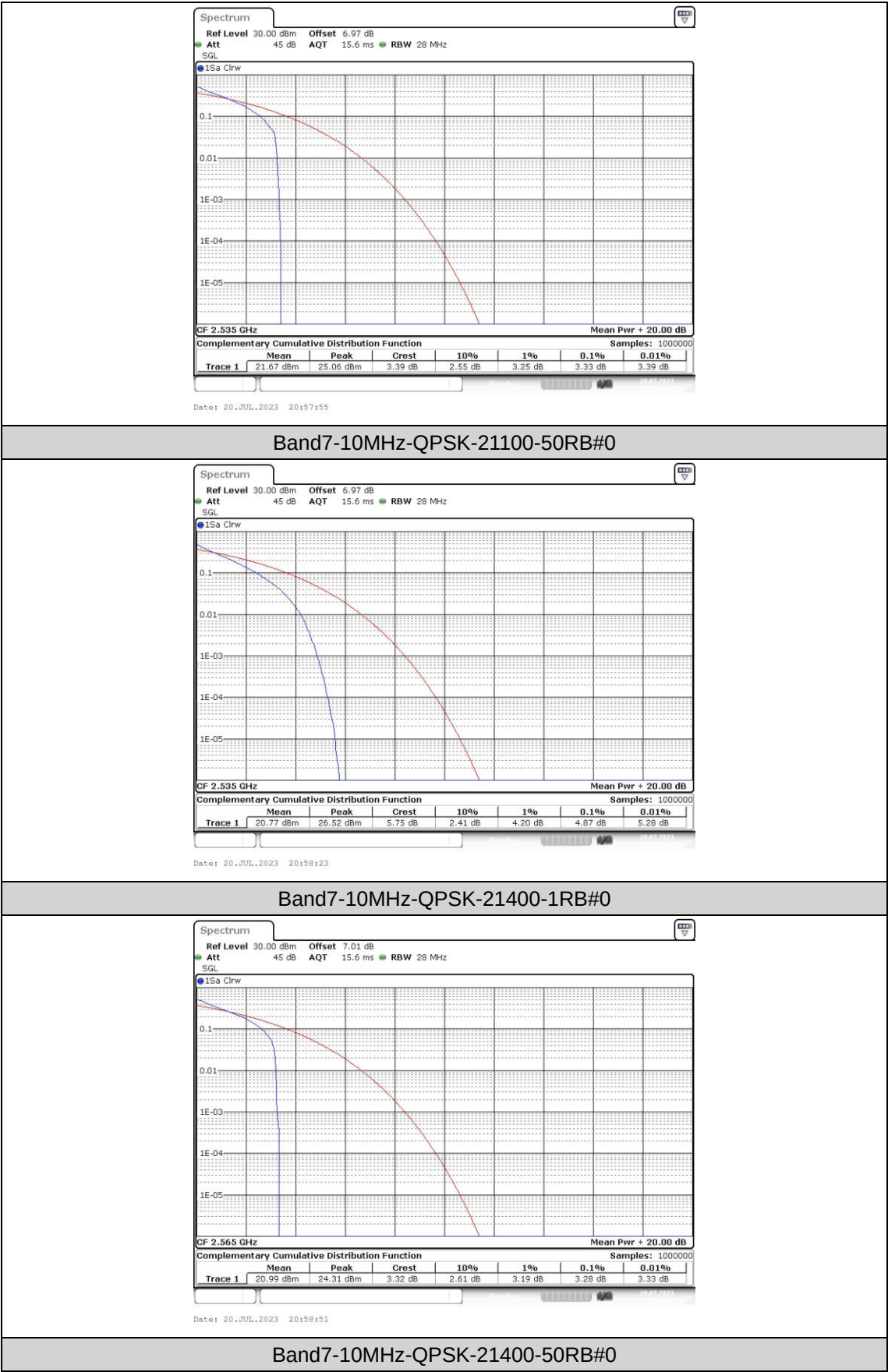


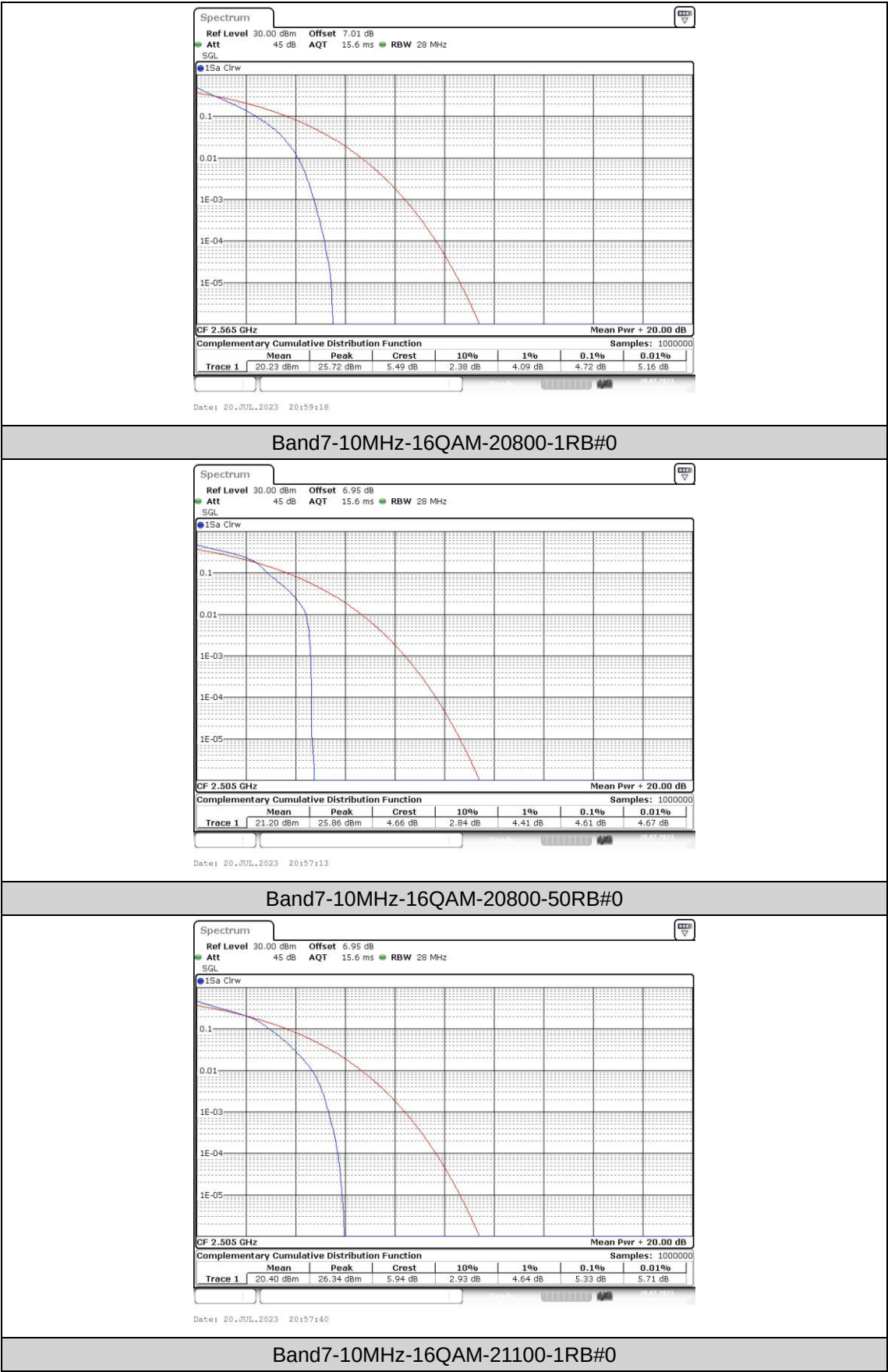


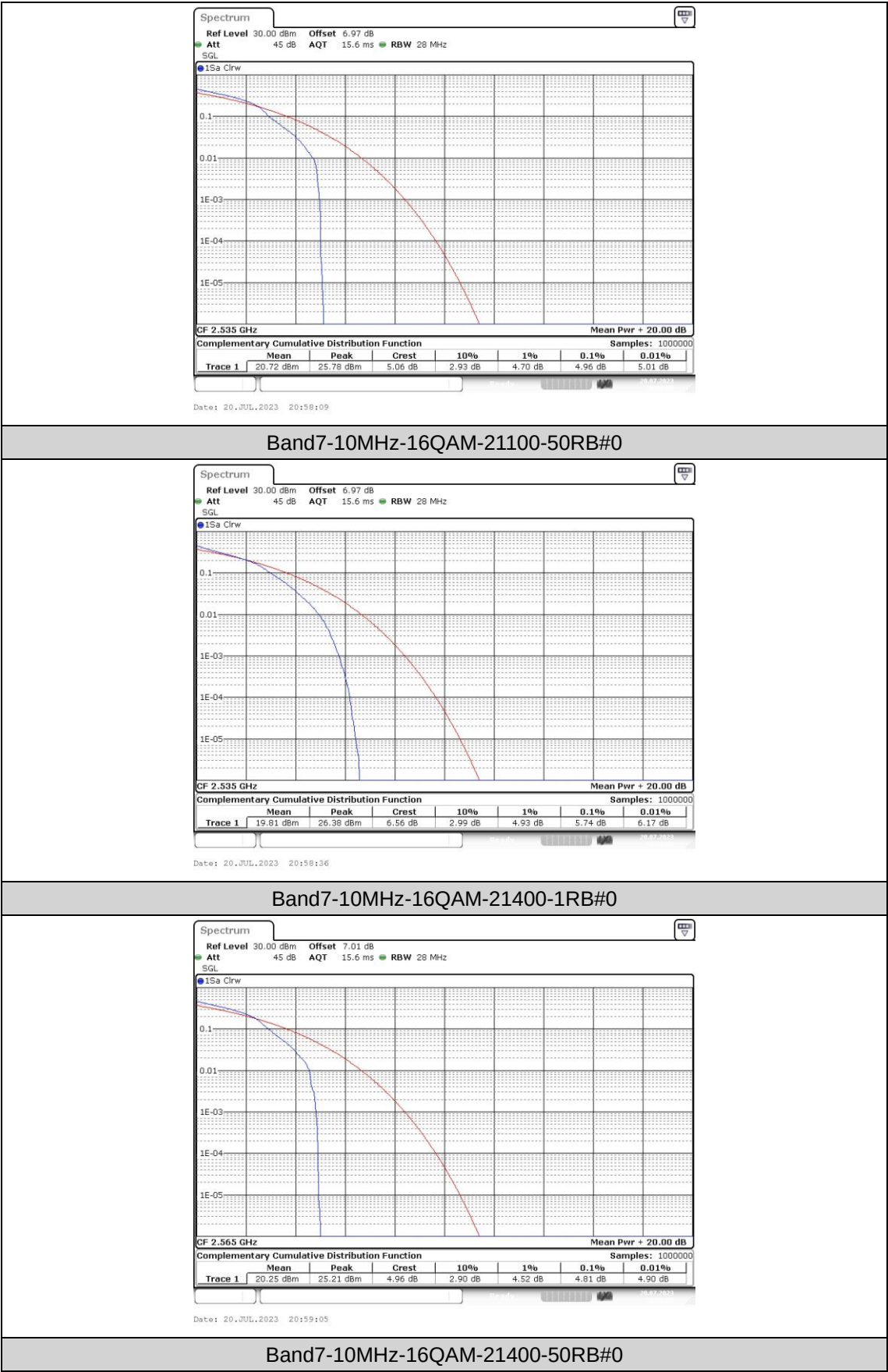


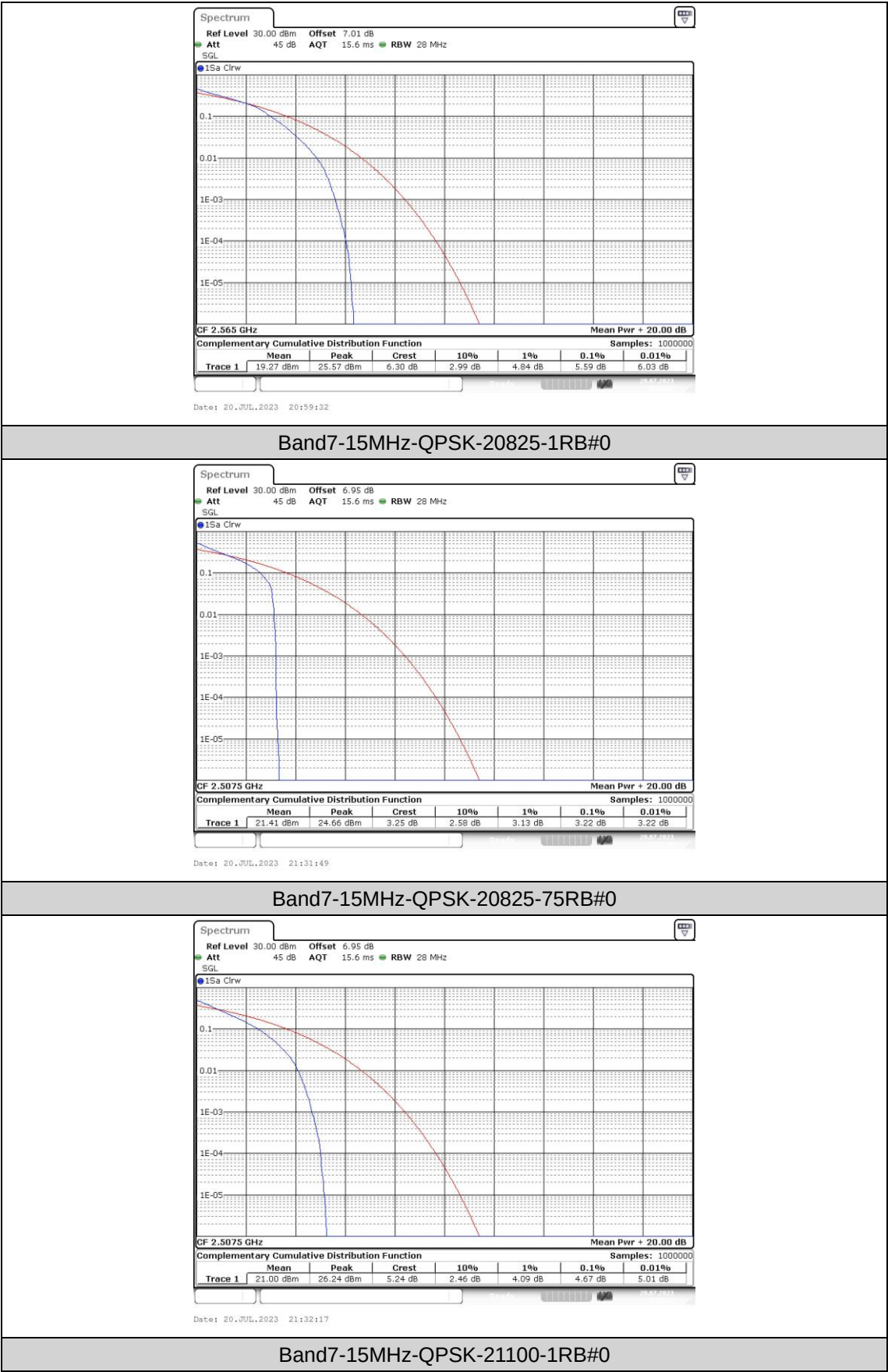






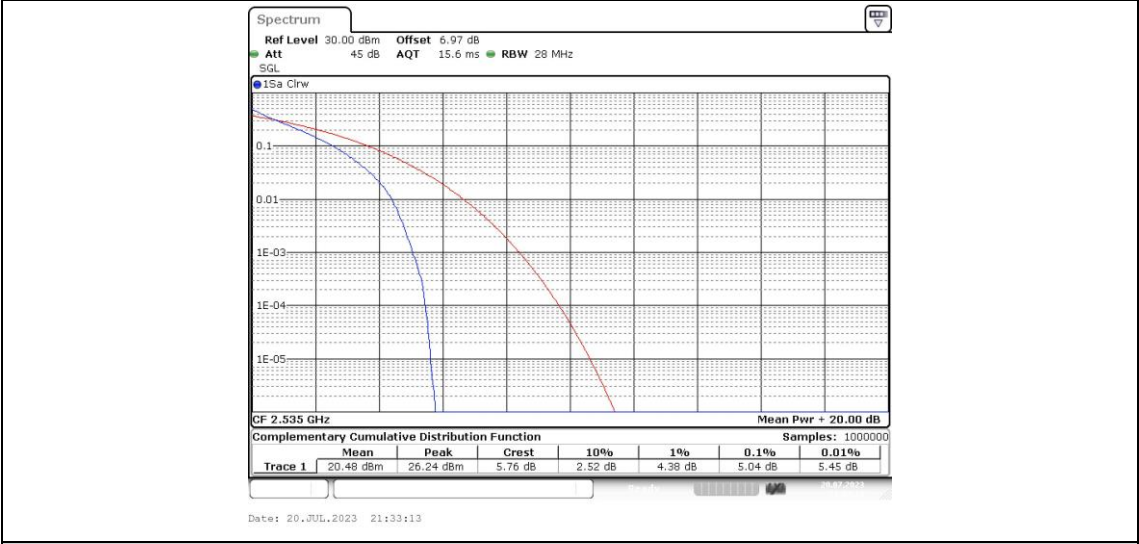




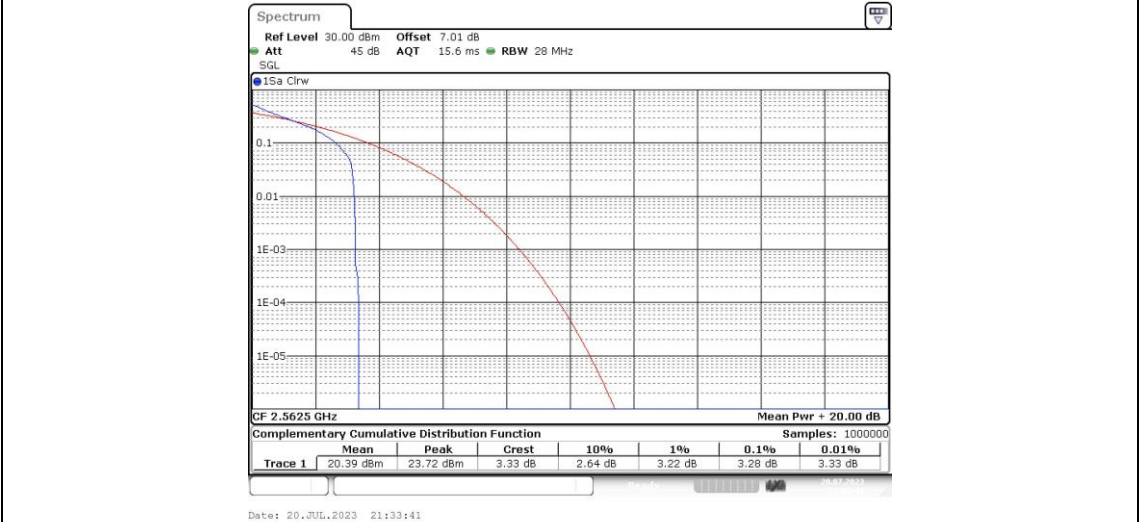




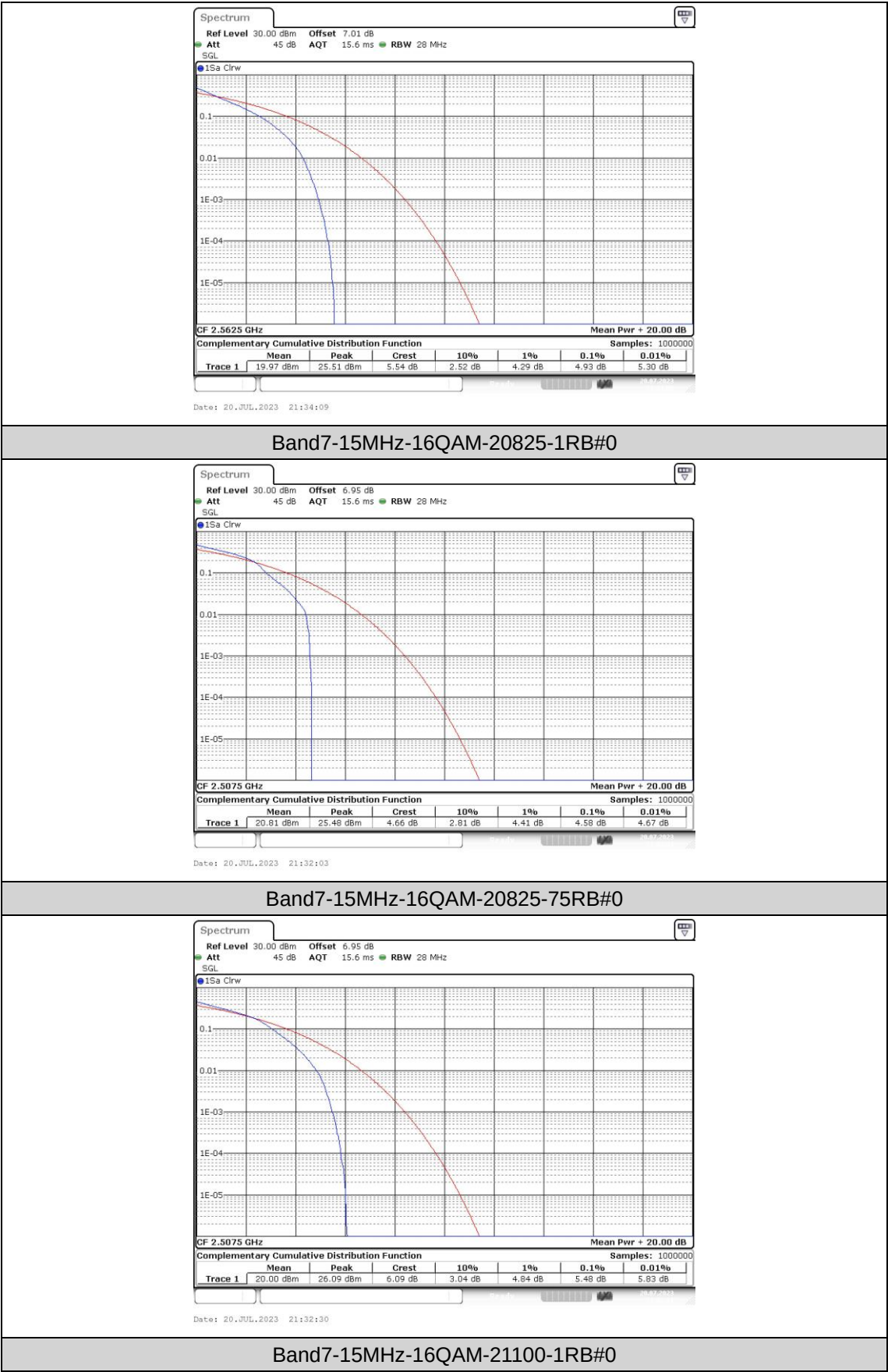
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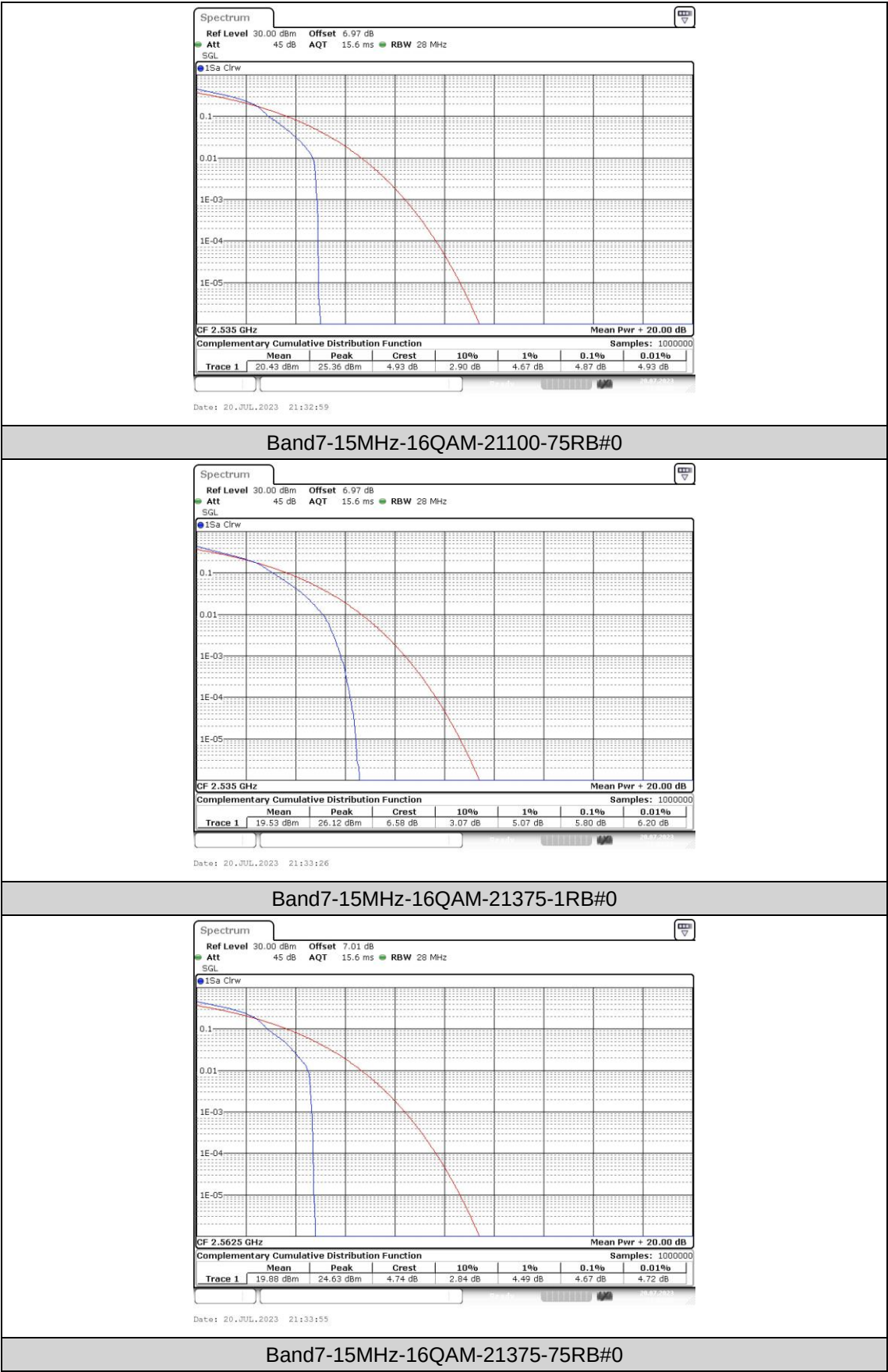


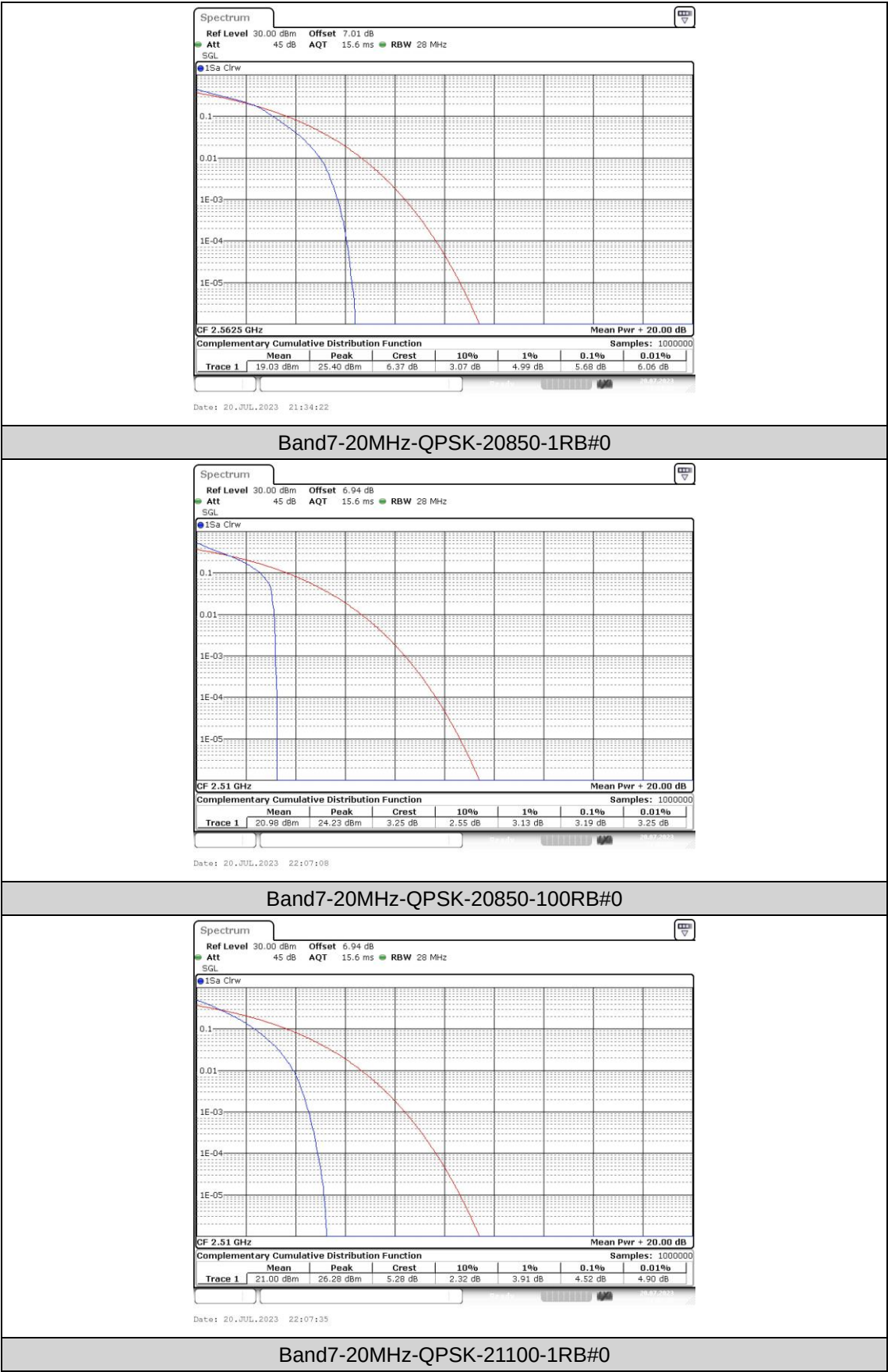
Band7-15MHz-QPSK-21375-1RB#0

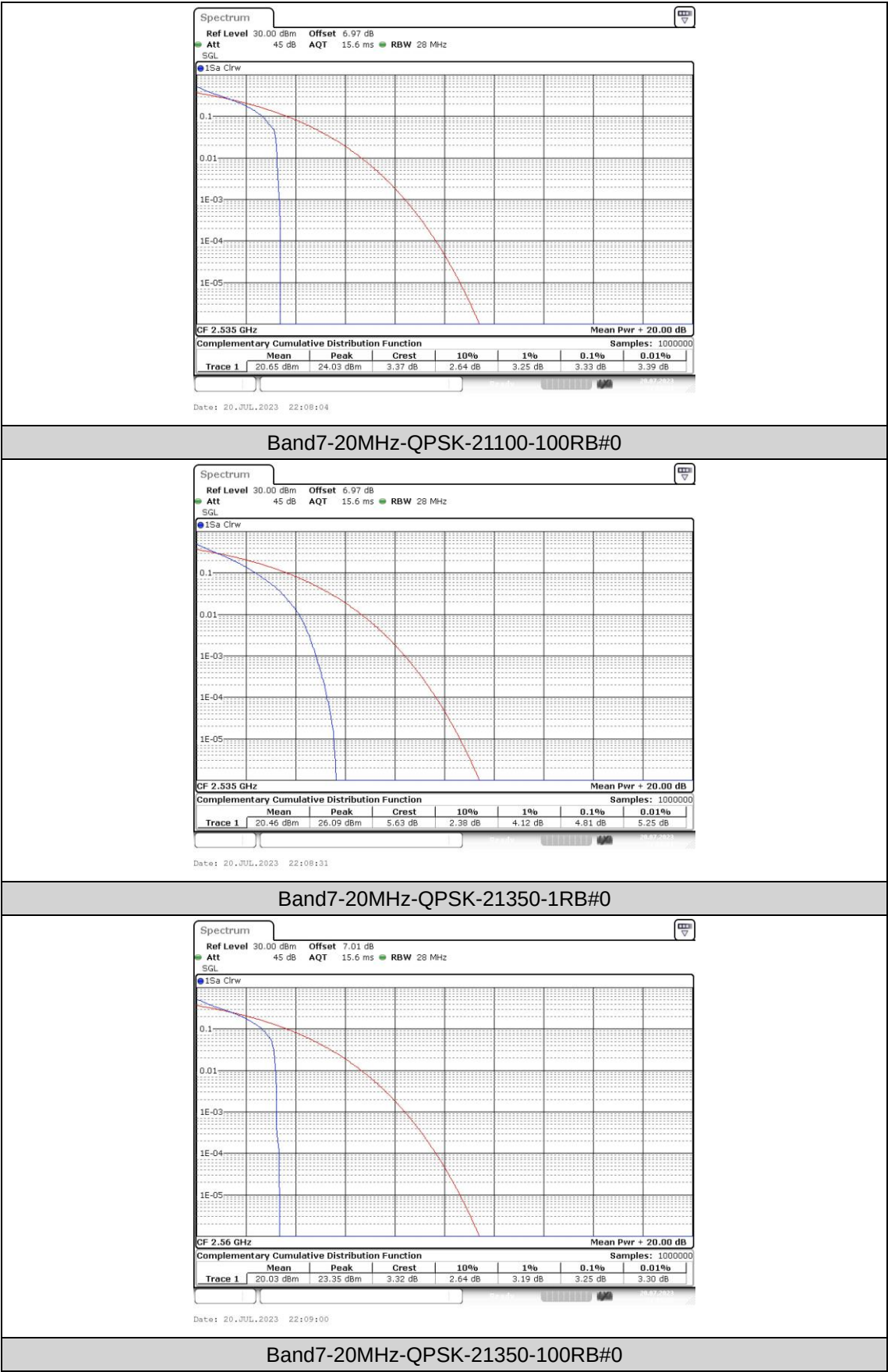


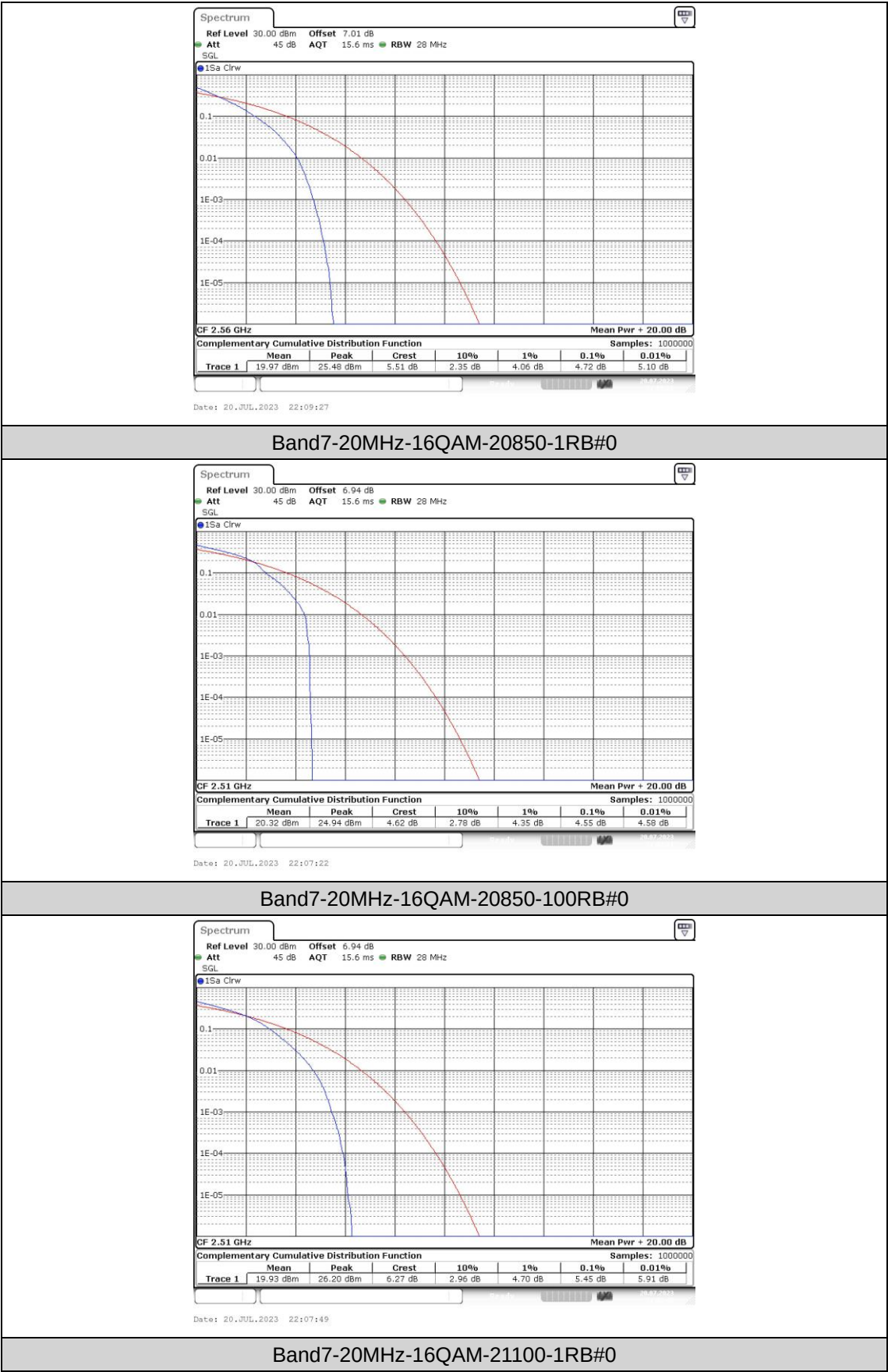
Band7-15MHz-QPSK-21375-75RB#0

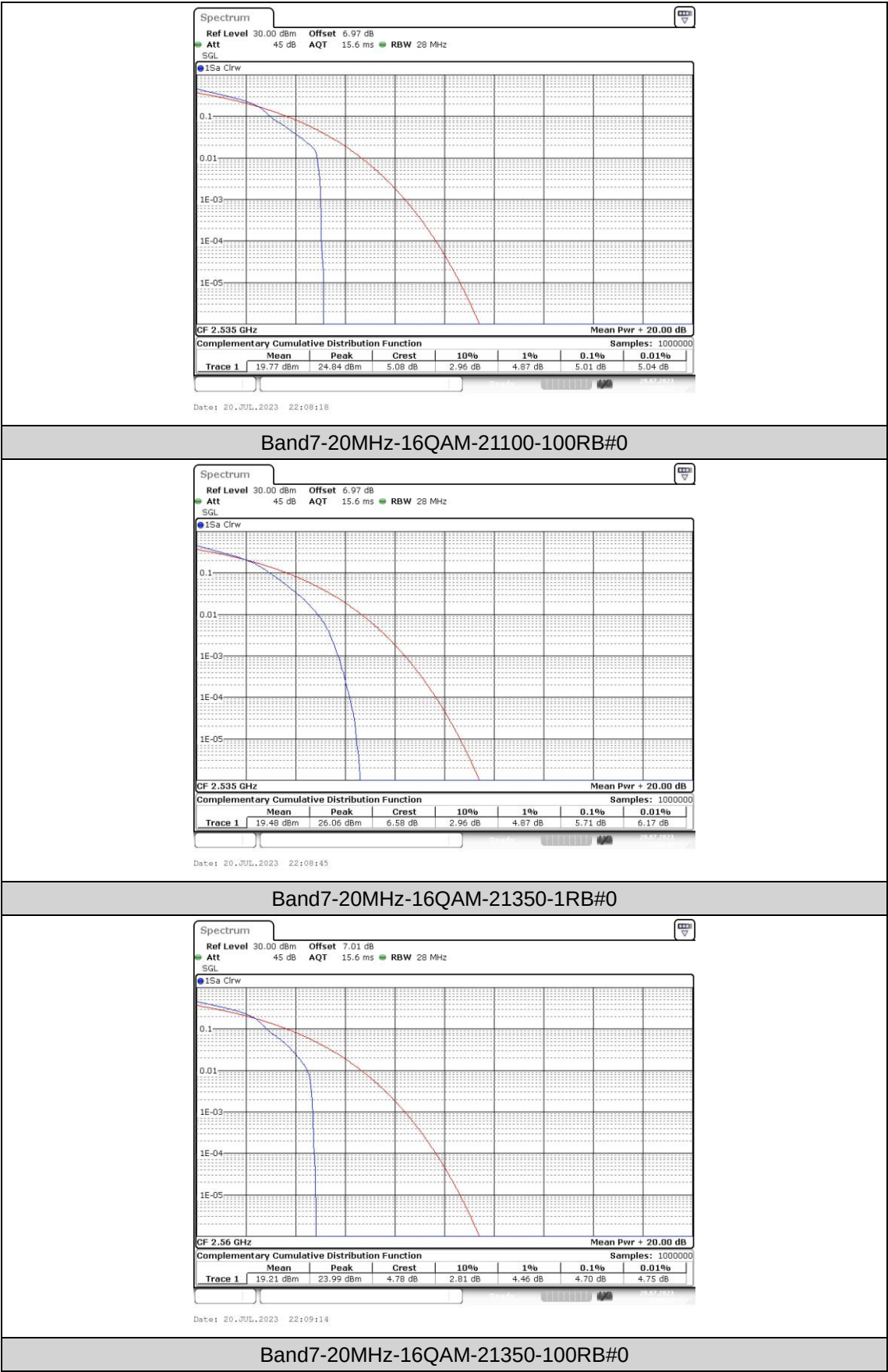














Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.78	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.505	4.78	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.505	4.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.515	4.78	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.79	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.515	4.78	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.57	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.985	9.53	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.985	9.53	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.35	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	14.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.428	14.30	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	14.30	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.037	19.33	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.33	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.97	19.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.037	19.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.037	19.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.97	19.33	PASS

Test Graphs

