

Appendix for Band 38

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
Band38	5MHz	QPSK	37775	1RB#0	22.13	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.11	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.08	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.15	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.17	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.10	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.14	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.21	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.16	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.10	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.19	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.22	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.25	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.20	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.08	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.13	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.05	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.07	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.10	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.07	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.03	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.55	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.77	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.47	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.59	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.54	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.42	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.58	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.61	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.62	PASS

Band38	5MHz	16QAM	38000	1RB#24	21.49	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.48	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.45	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.48	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.51	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.53	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.55	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.44	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.53	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.50	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.50	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.51	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.17	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.05	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.09	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.18	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.21	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.20	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.18	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.23	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.15	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.17	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.29	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.24	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.26	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.27	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.07	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.99	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.98	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.13	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.18	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.07	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.07	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.71	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.61	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.66	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.33	PASS

Band38	10MHz	16QAM	37800	25RB#12	20.40	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.46	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.53	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.17	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.13	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.12	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.45	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.44	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.46	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.43	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.48	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.57	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.38	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.40	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.41	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.58	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.98	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.94	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.98	PASS
Band38	15MHz	QPSK	37825	38RB#0	20.94	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.03	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.04	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.05	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.14	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.19	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.09	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.05	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.05	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.05	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.04	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.07	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.88	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.77	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.94	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.01	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.92	PASS

Band38	15MHz	QPSK	38175	75RB#0	20.93	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.47	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.43	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.46	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.98	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.03	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.03	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.89	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.48	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.23	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.14	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.05	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.05	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.05	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.93	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.51	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.30	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.25	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.97	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.94	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.40	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.02	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.24	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.06	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.07	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.05	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.10	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.11	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.23	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.20	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.08	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.15	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.15	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.12	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.12	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.14	PASS

Band38	20MHz	QPSK	38150	1RB#49	22.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.83	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.01	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.05	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.97	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.98	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.31	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.27	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.39	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.80	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.40	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.49	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.51	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.91	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.86	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.72	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.91	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.48	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.93	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.49	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.42	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.27	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.10	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.90	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.90	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.51	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.96	PASS

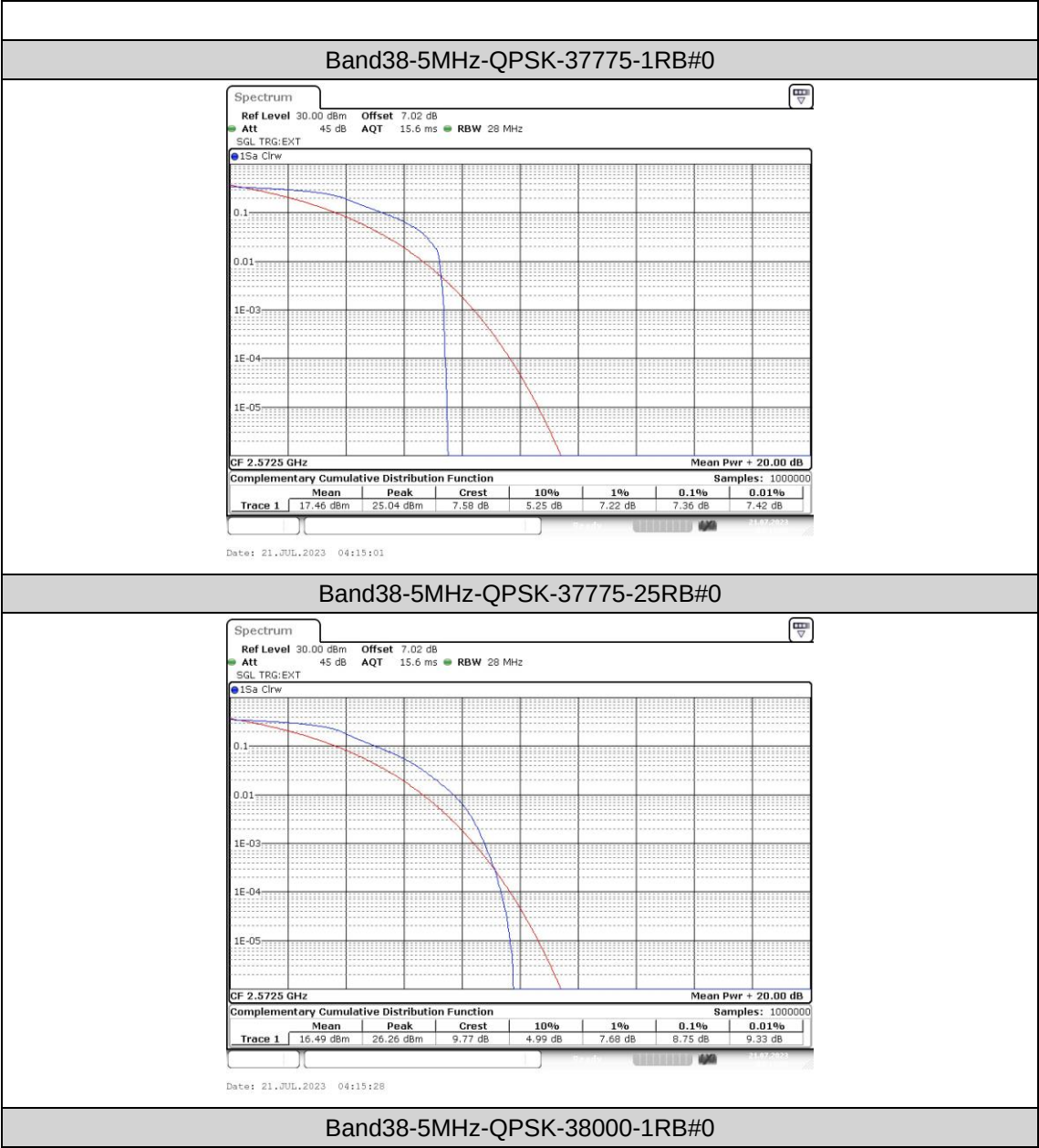
Appendix B: Peak-to-Average Ratio(CCDF)

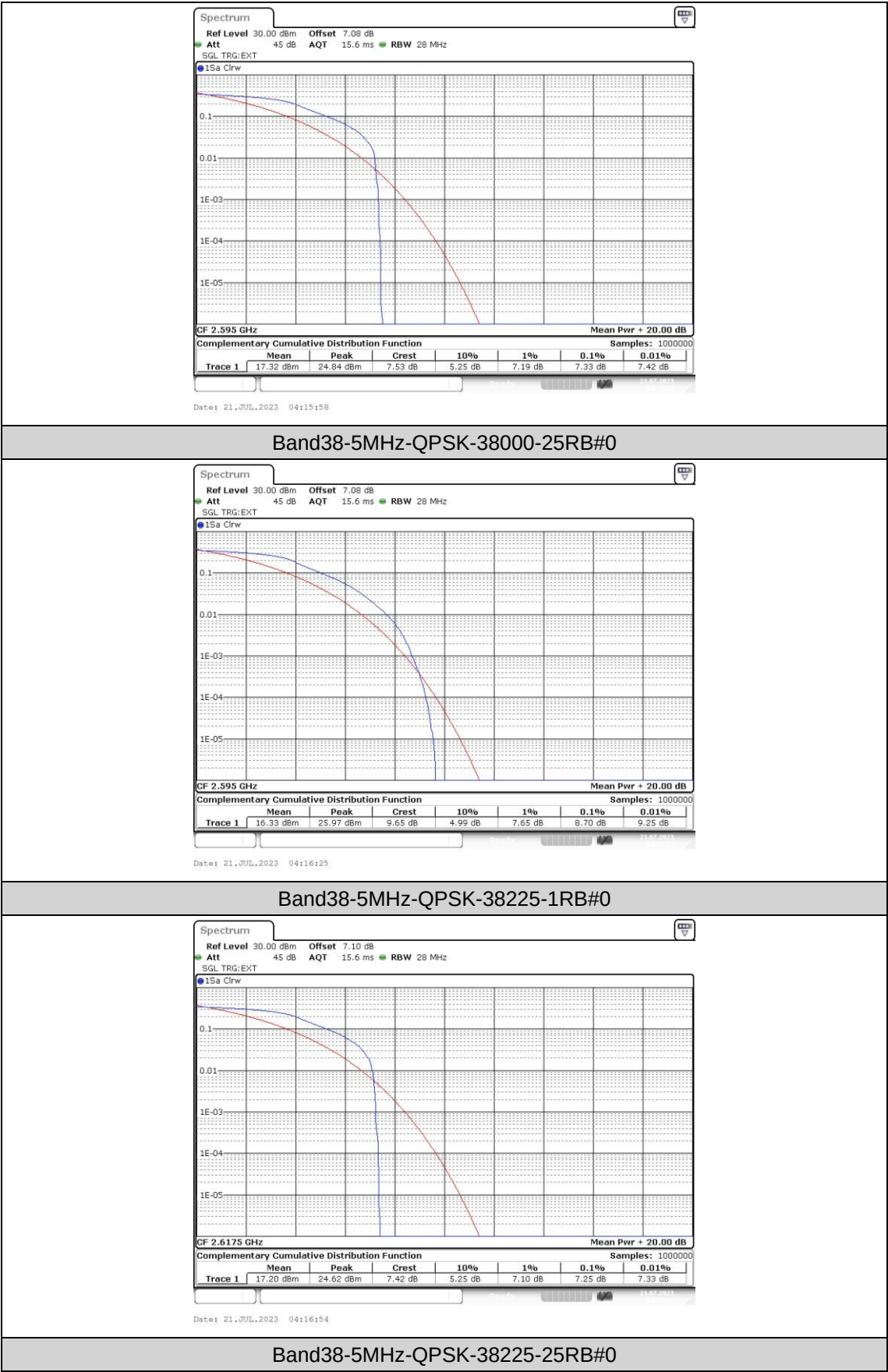
Test Result

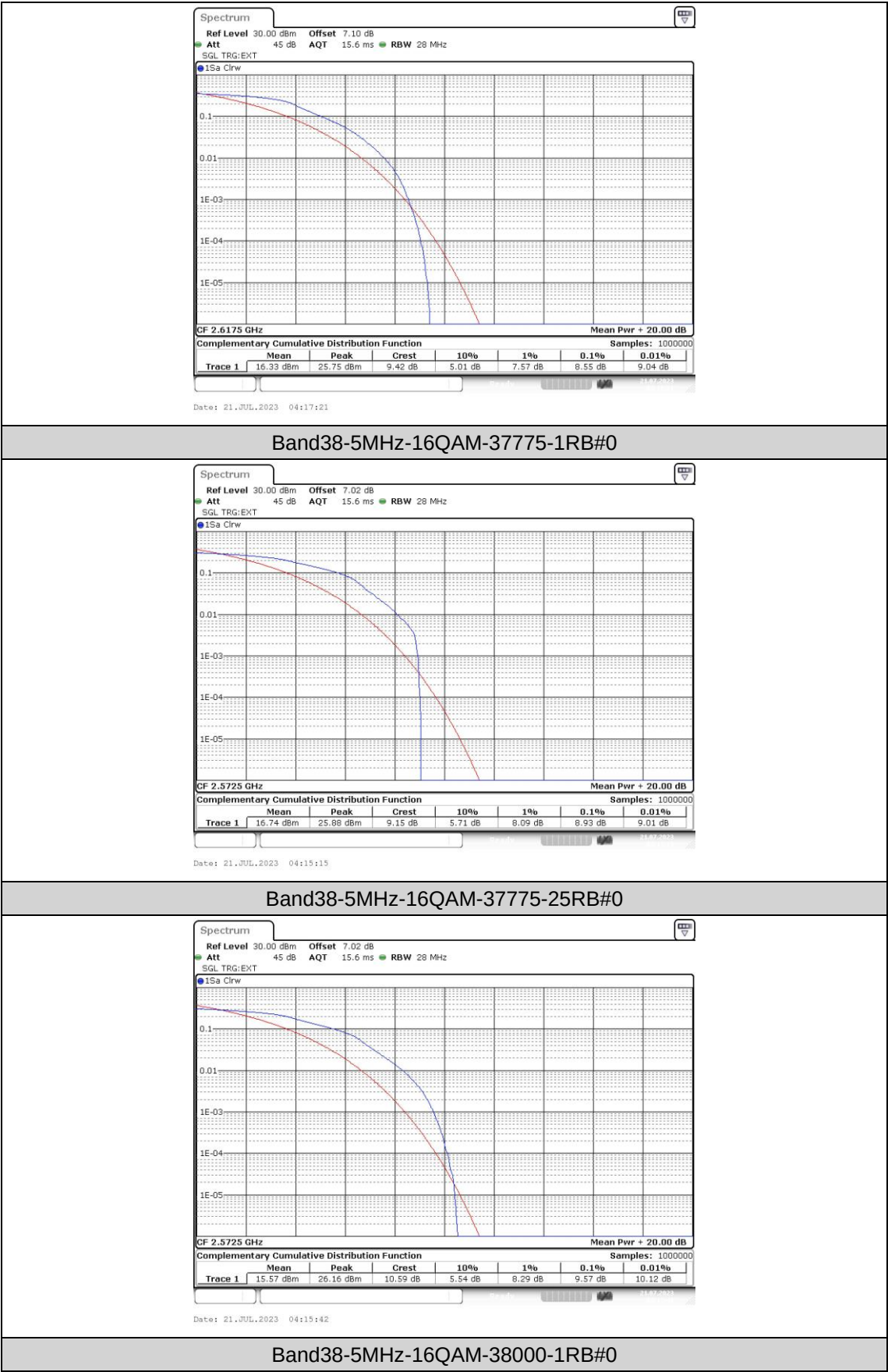
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	7.36	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.75	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	7.33	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.70	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	7.25	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.55	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.93	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.57	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.87	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.51	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.72	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.33	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	7.30	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.70	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.30	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.64	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.28	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.49	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.01	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.57	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.01	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.51	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.36	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	7.36	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.87	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.30	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.81	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.28	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.70	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.01	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.65	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.99	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.62	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.87	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.48	13	PASS

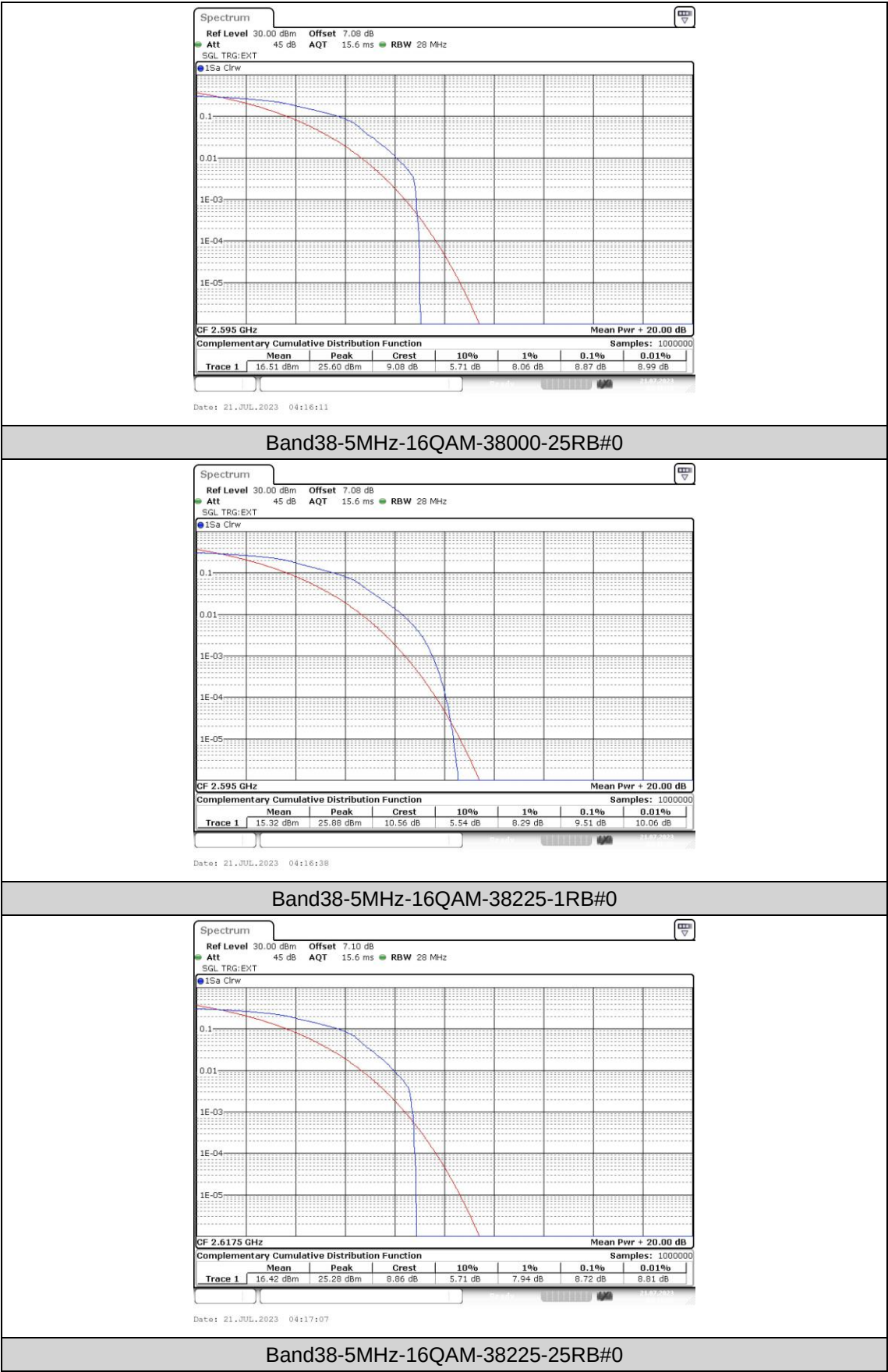
Band38	20MHz	QPSK	37850	1RB#0	7.28	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.61	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.28	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.58	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	7.22	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.52	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.87	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.51	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.48	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.78	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.42	13	PASS

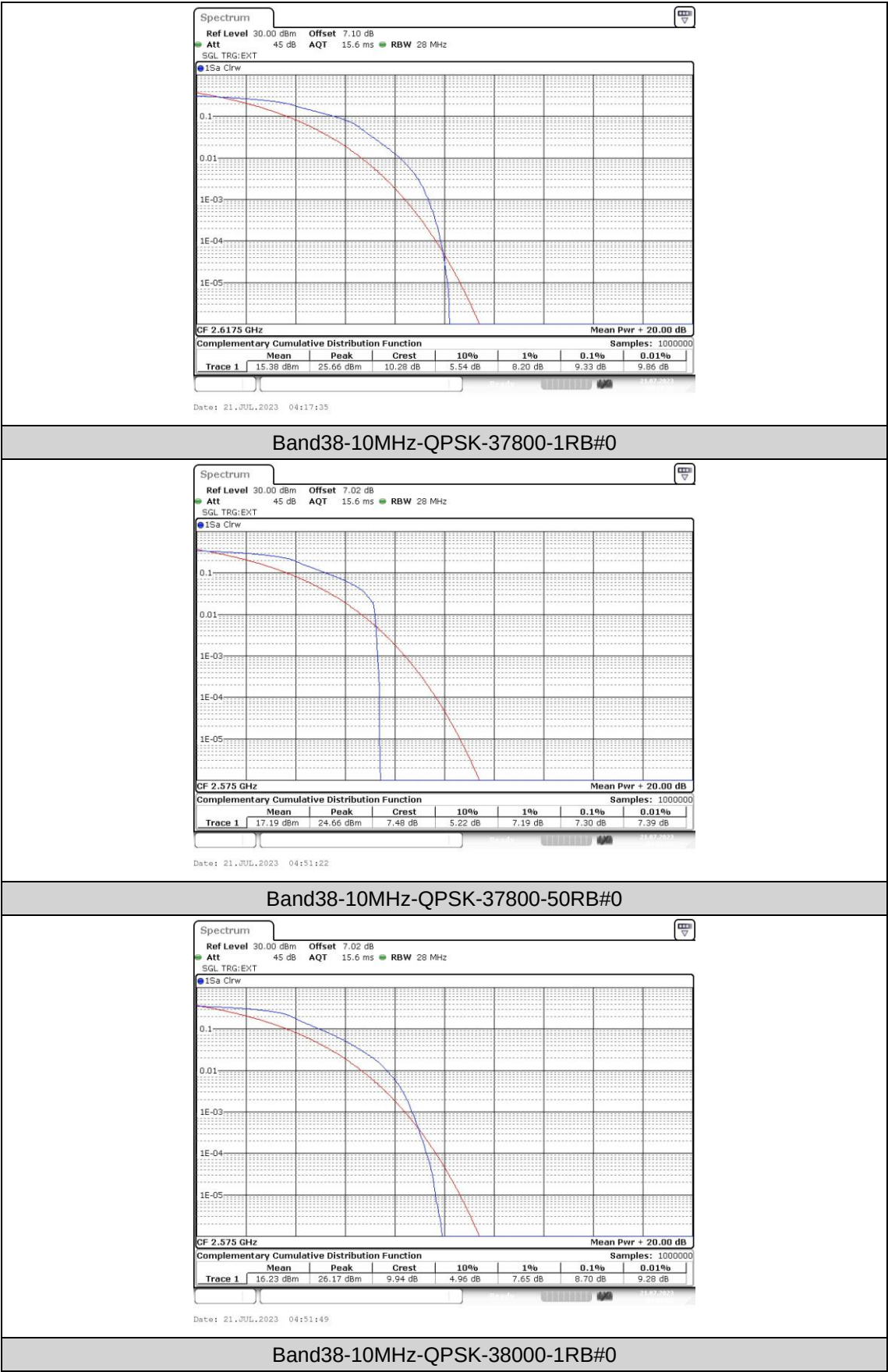
Test Graphs

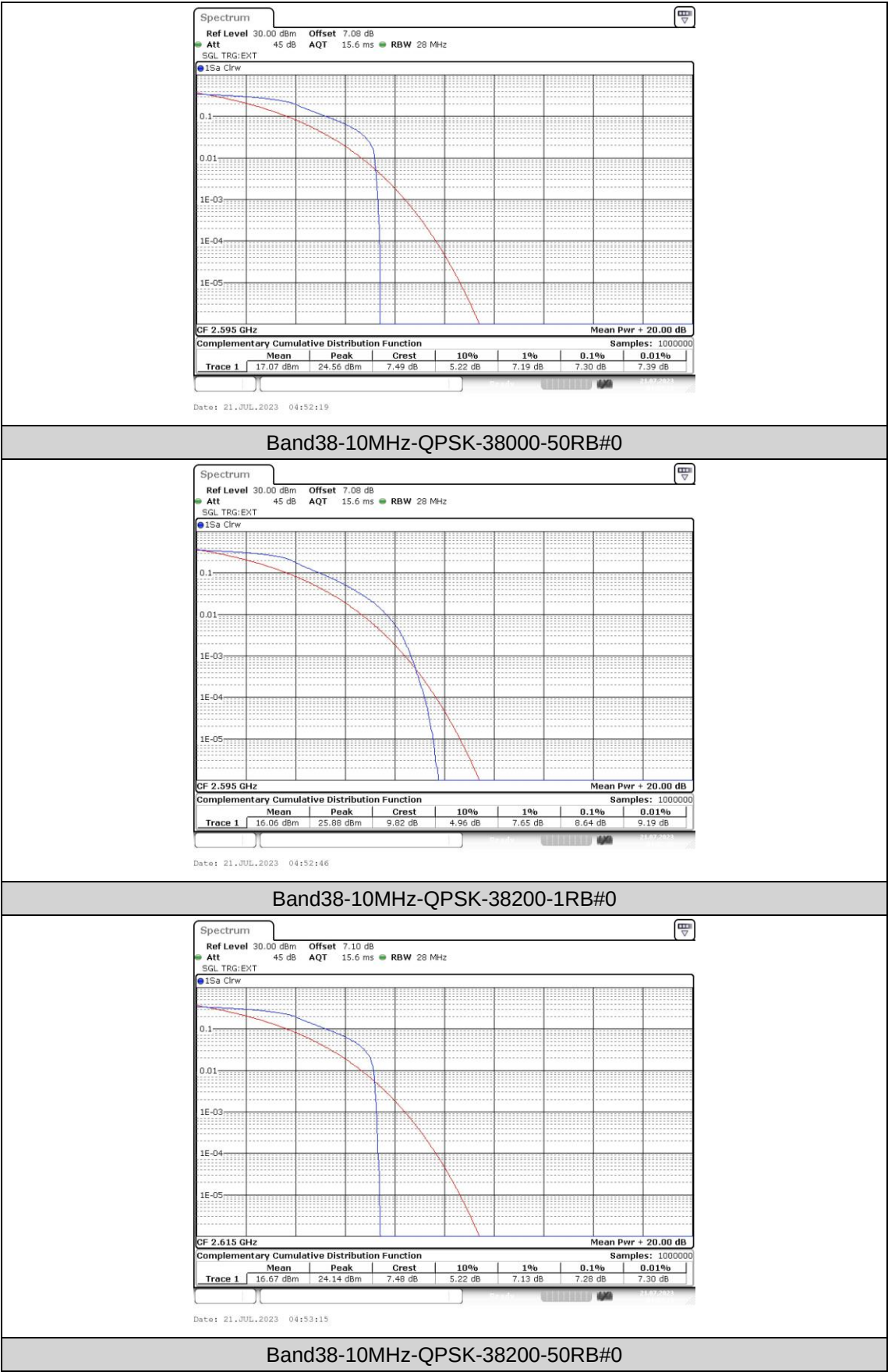


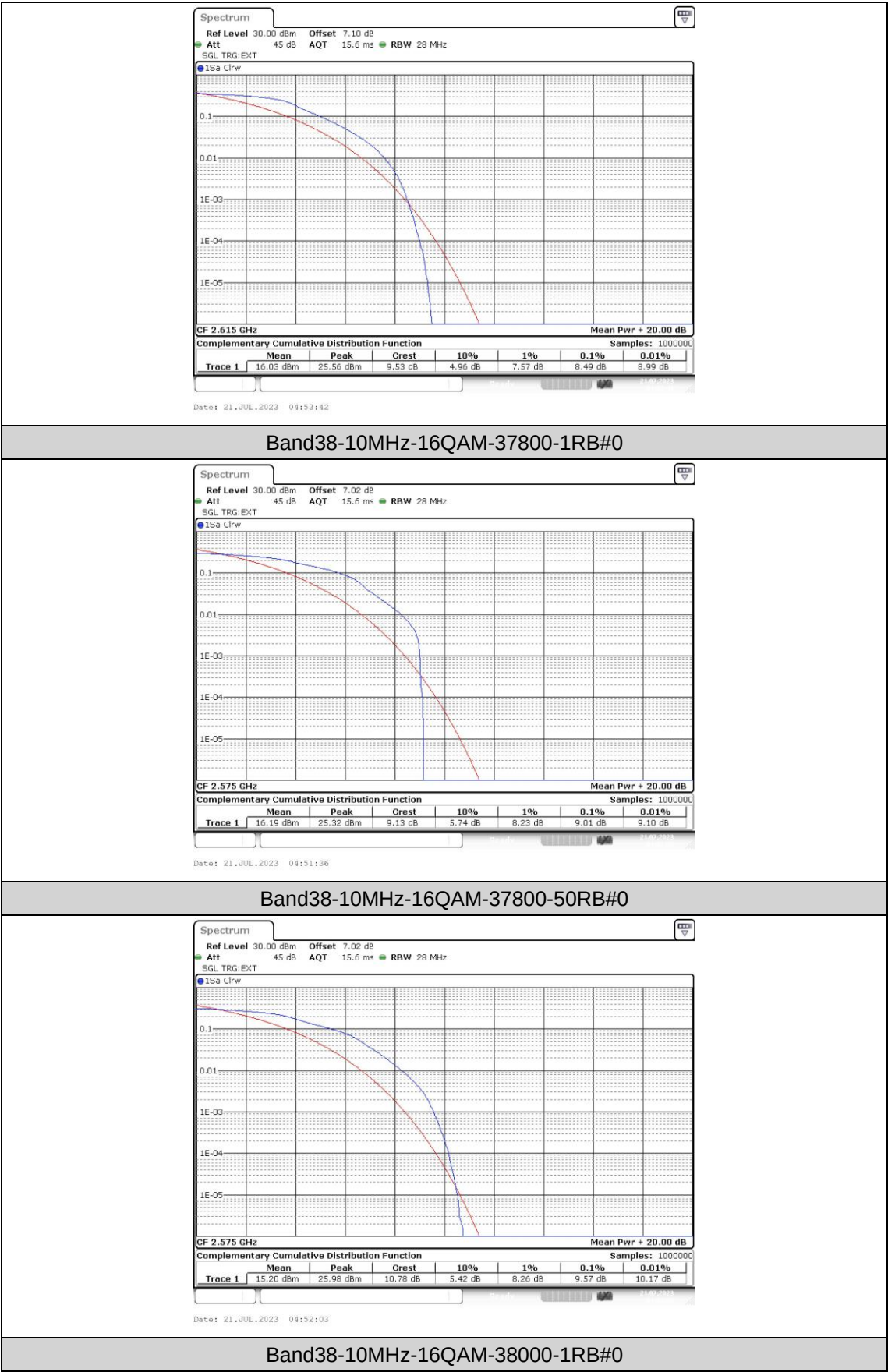


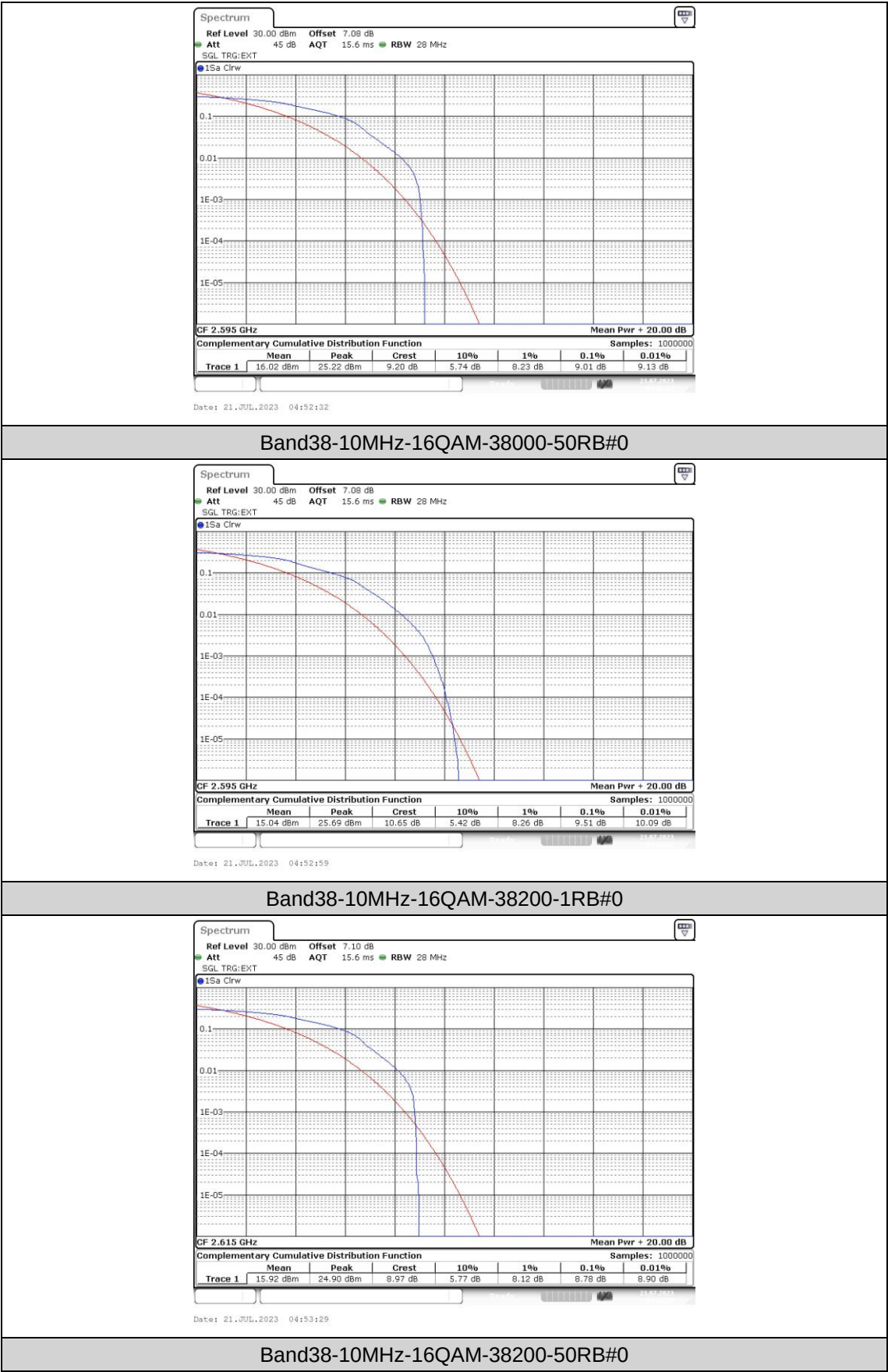


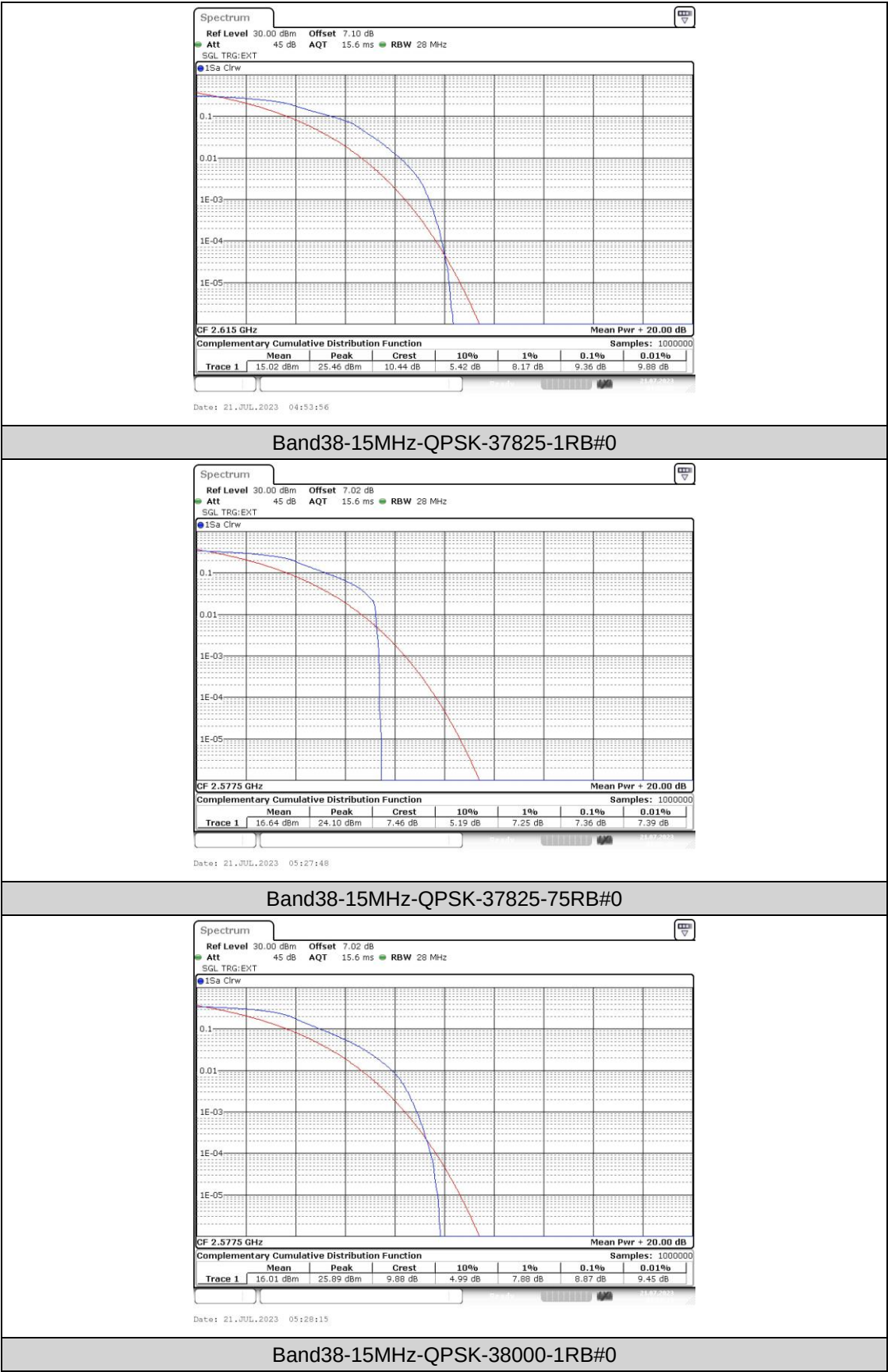


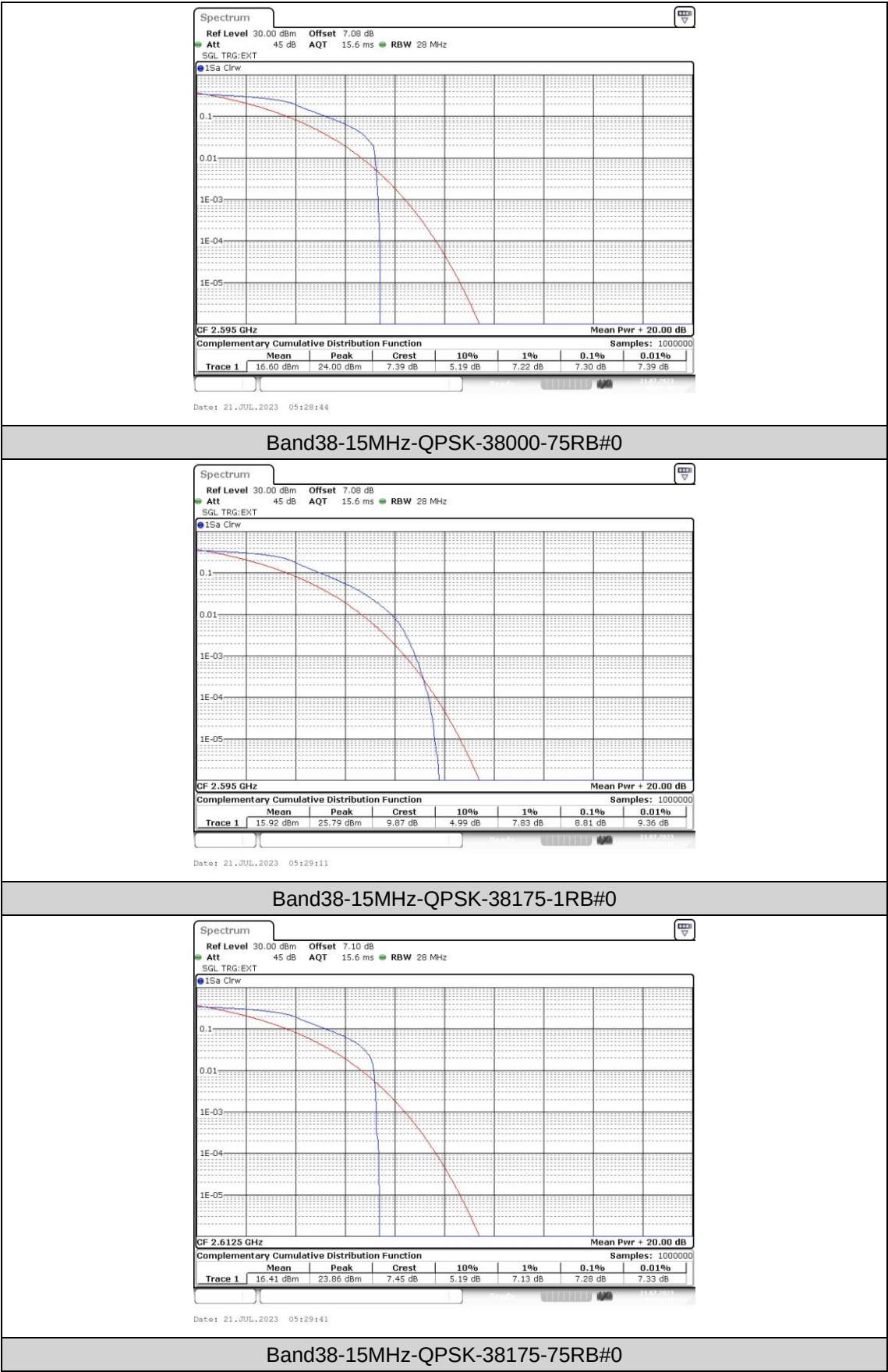


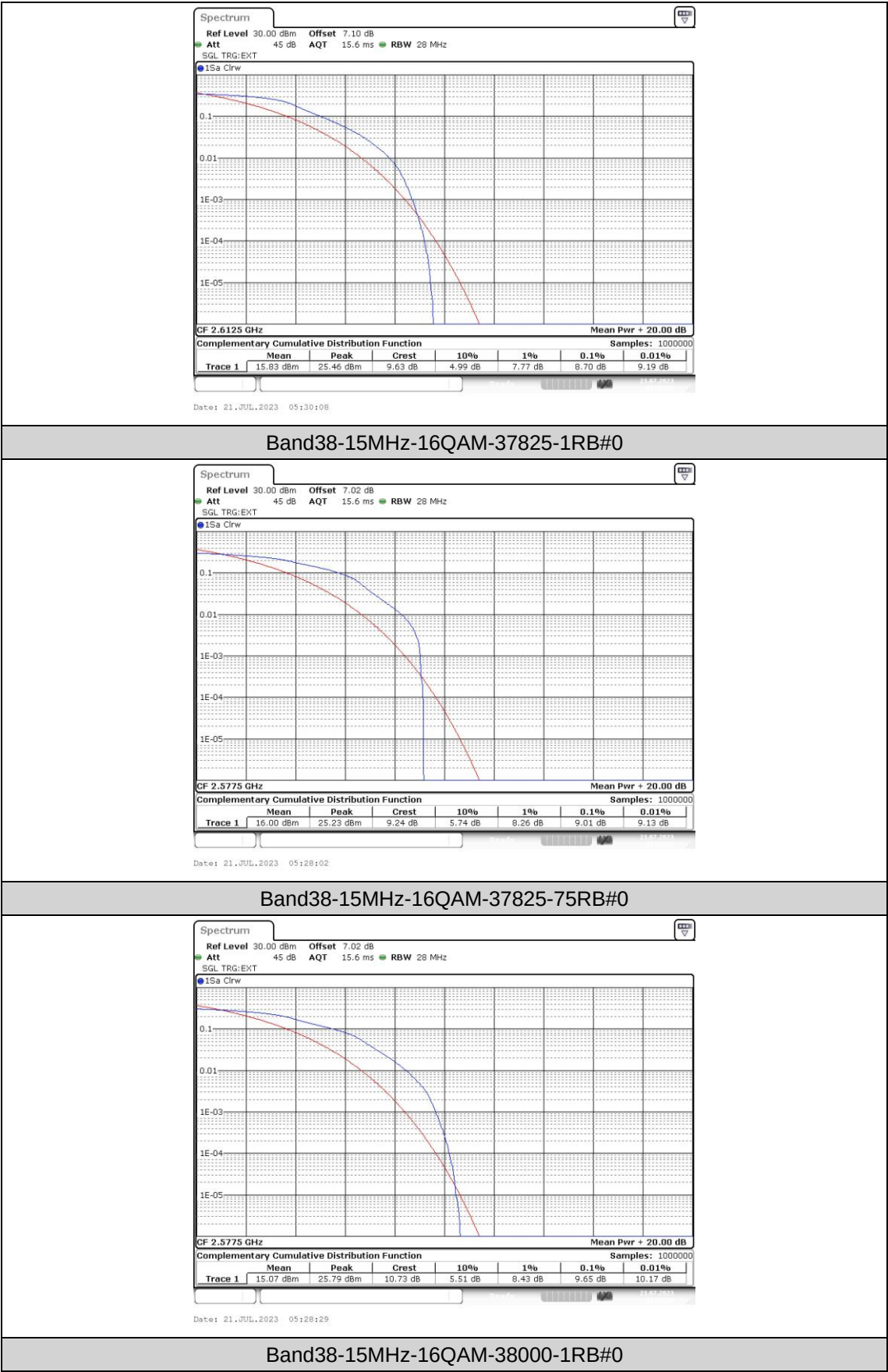


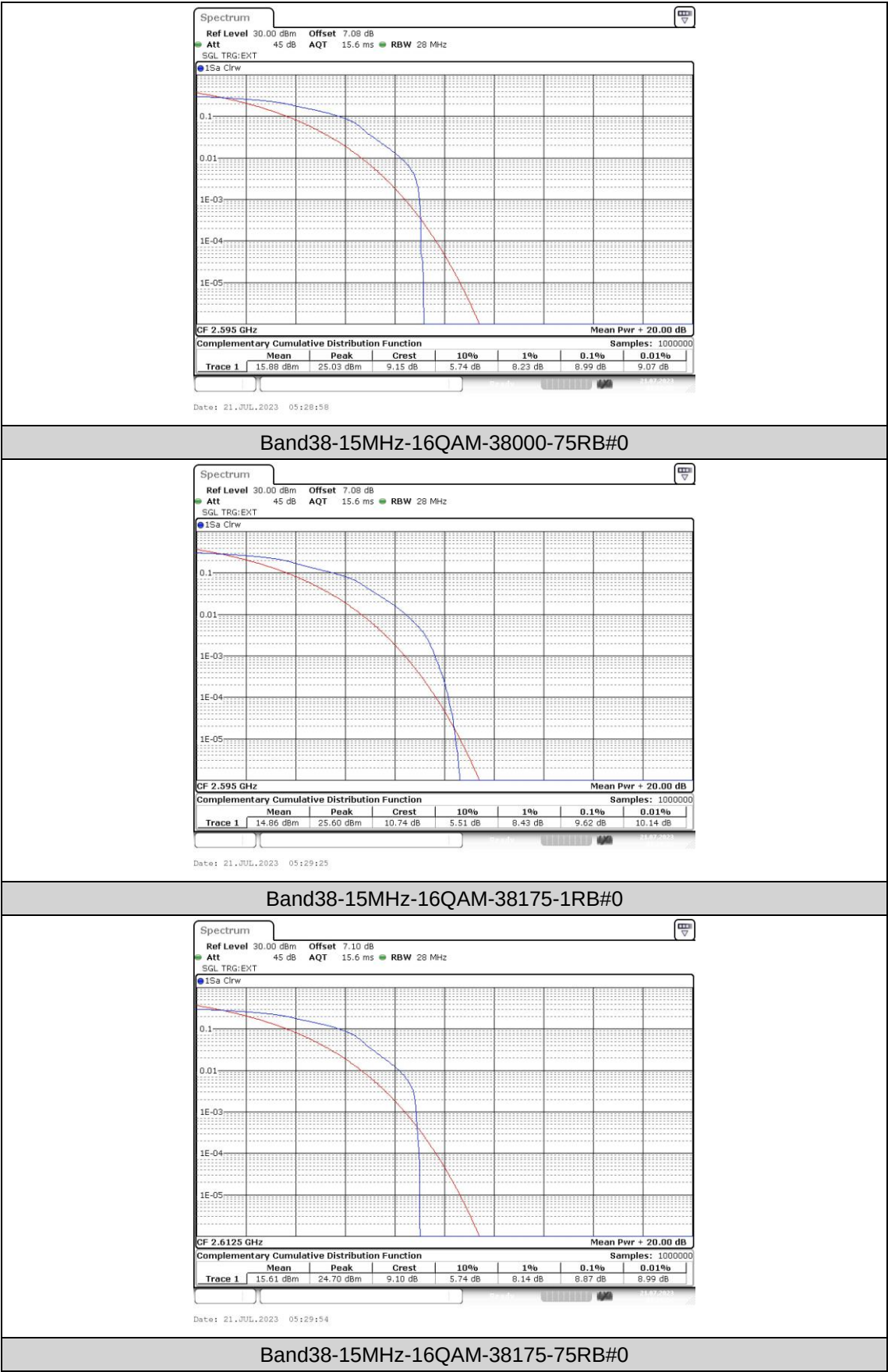


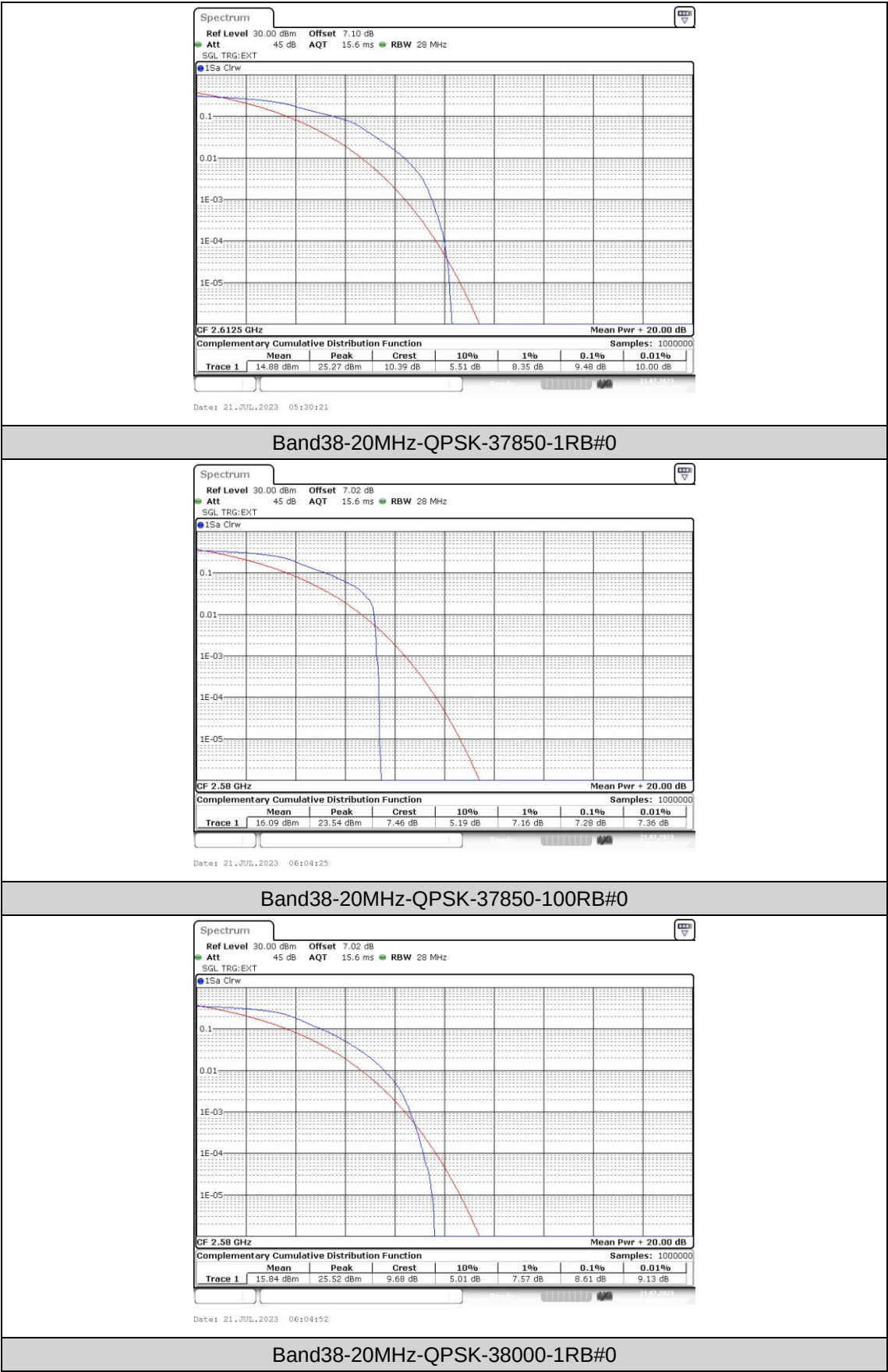


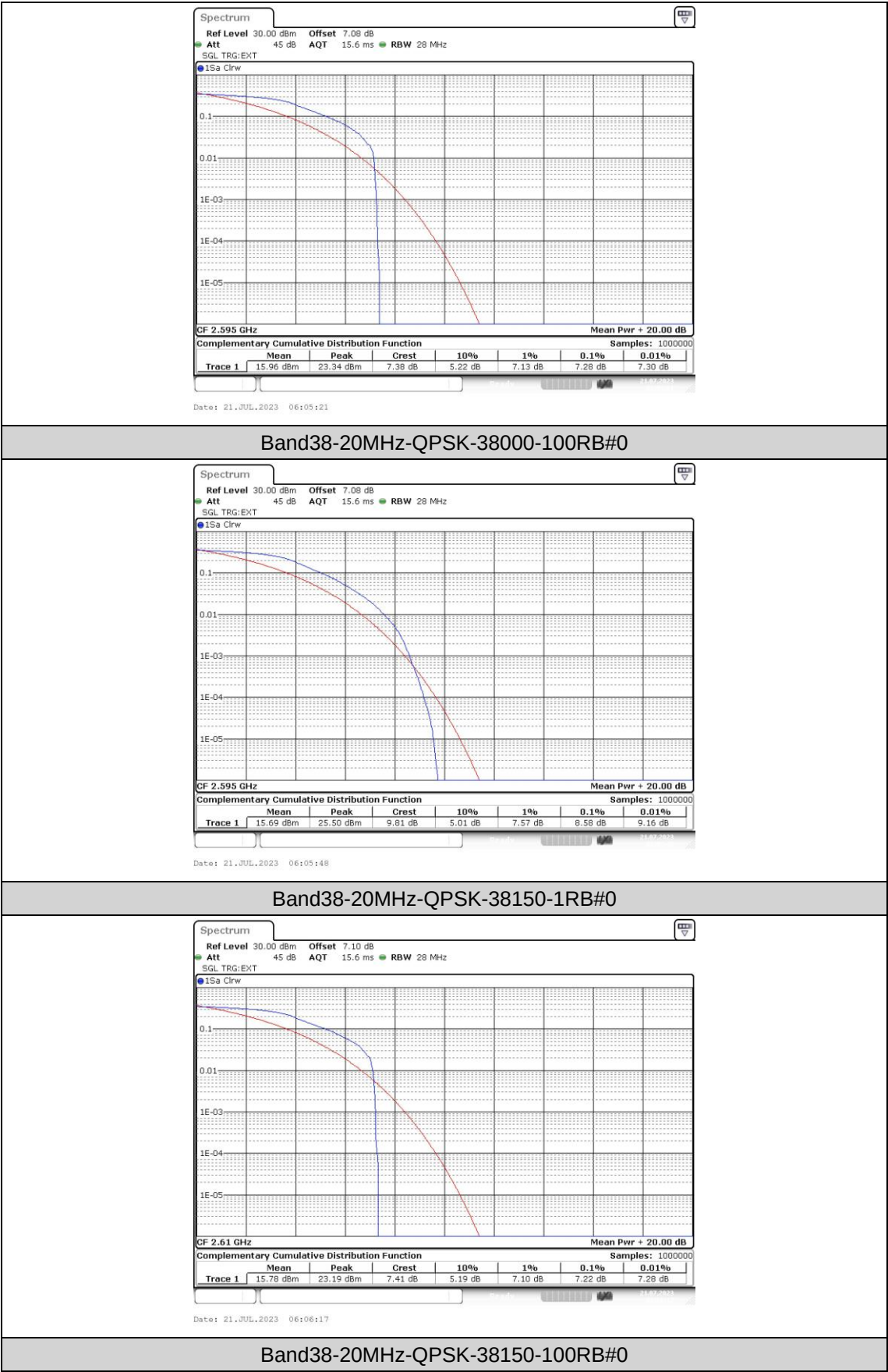


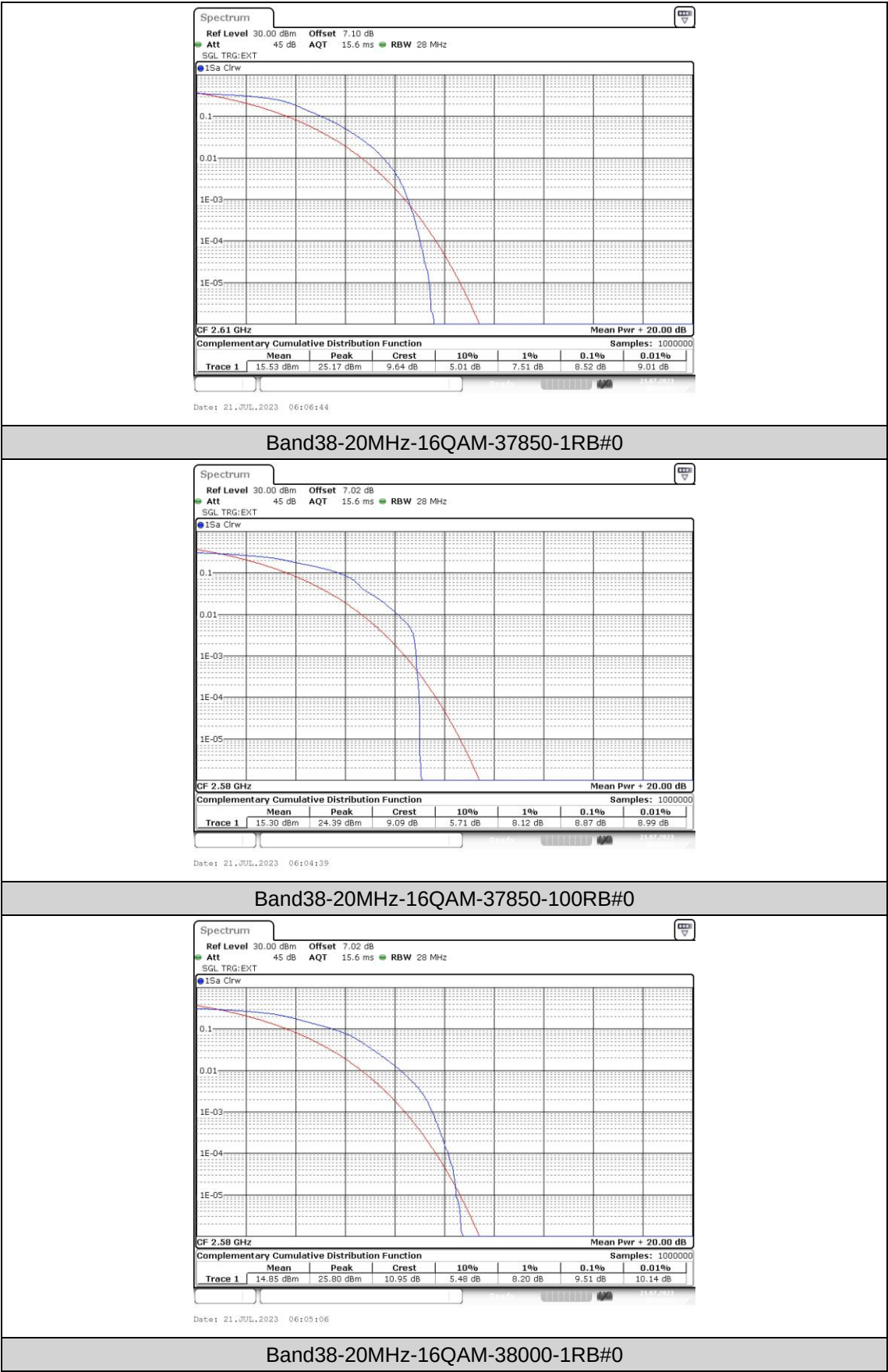


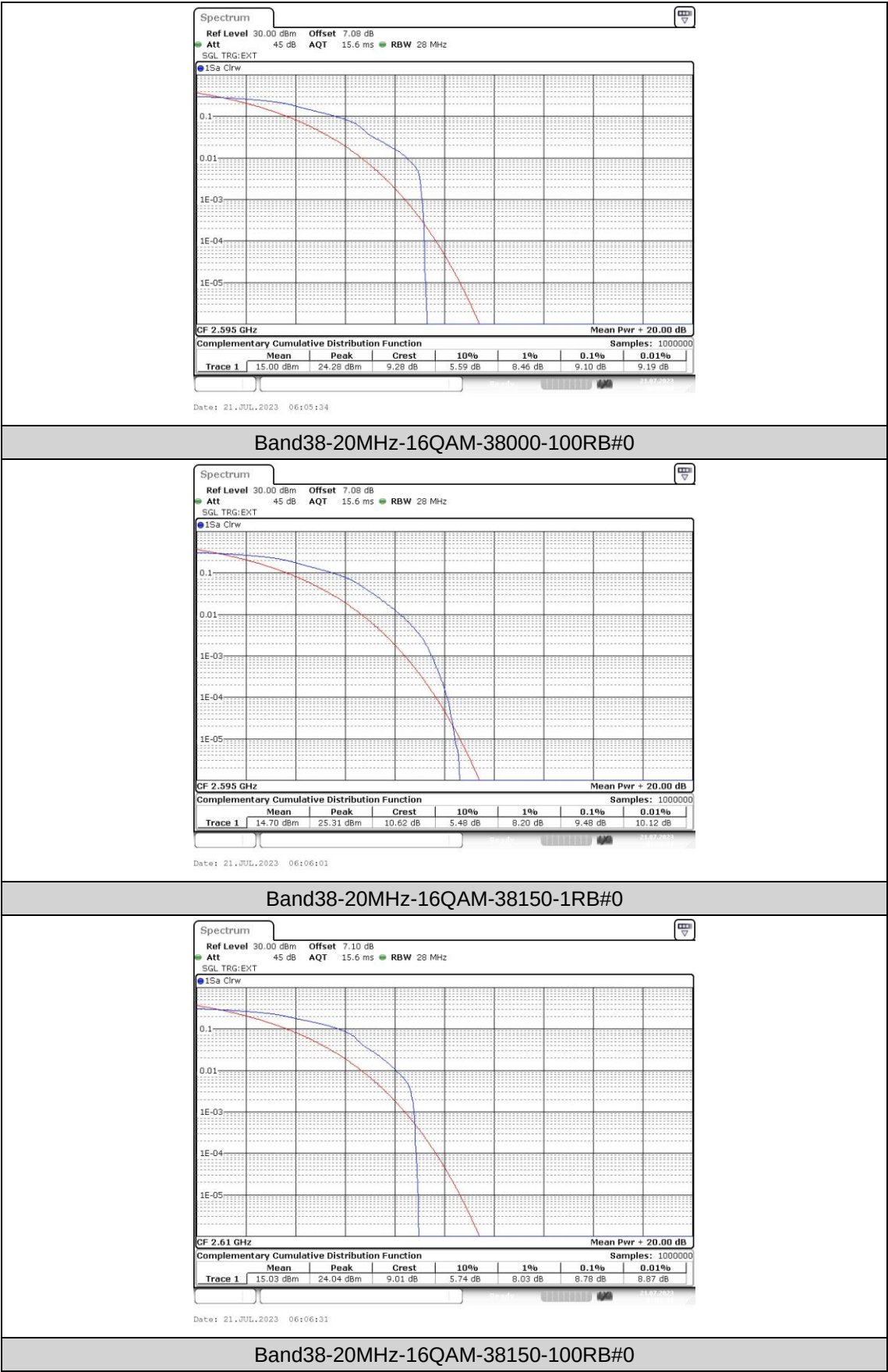












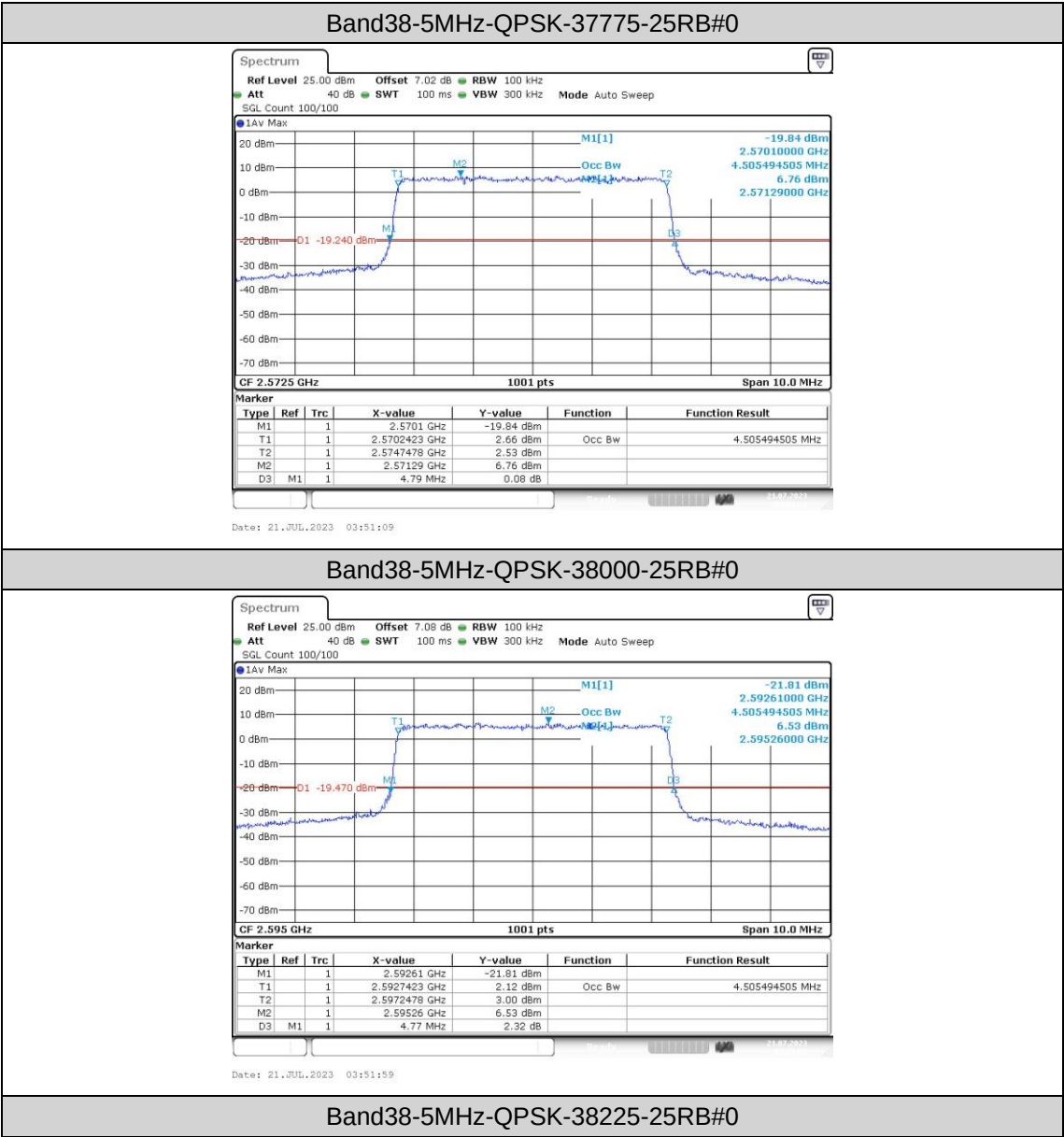


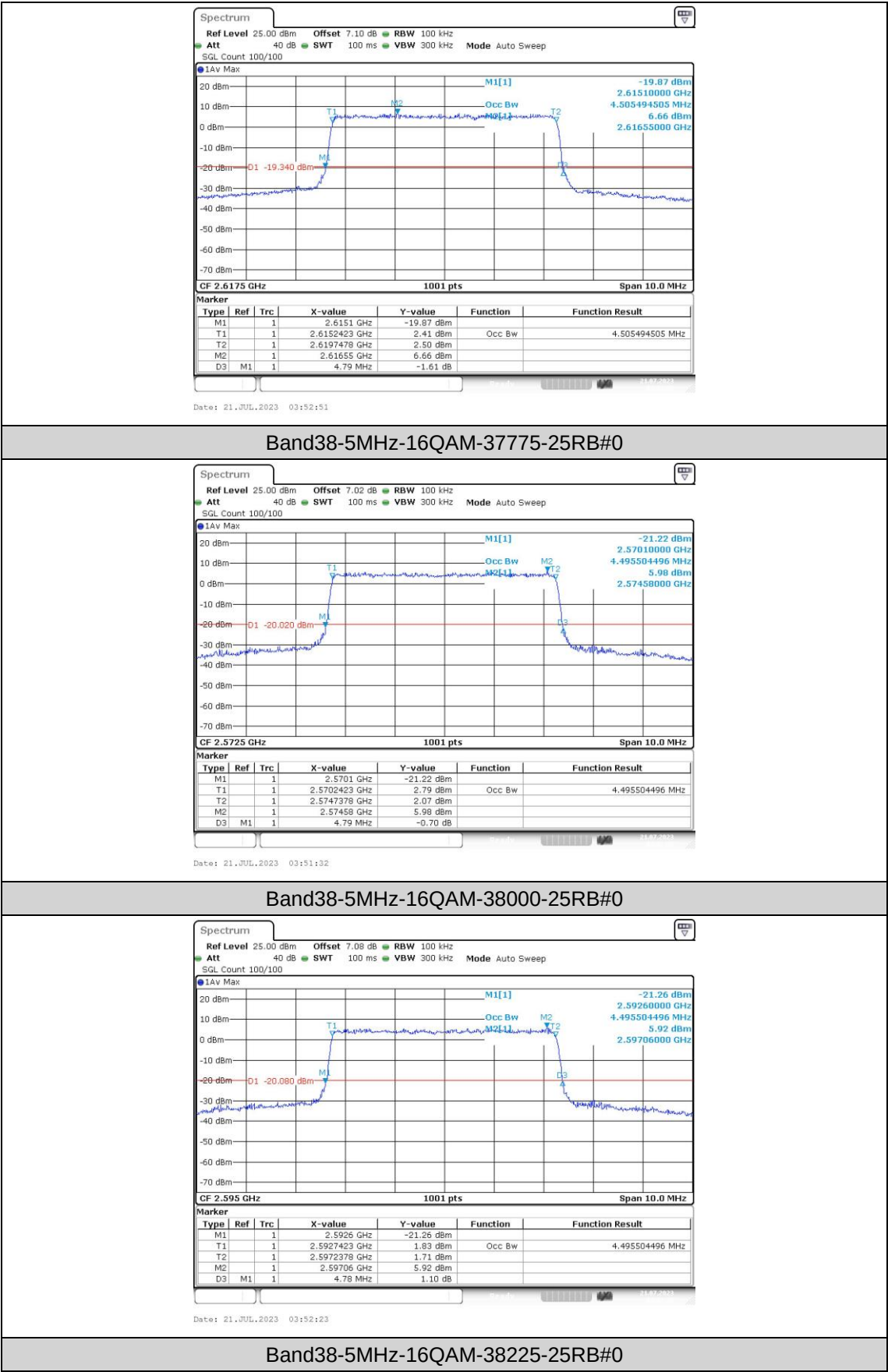
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

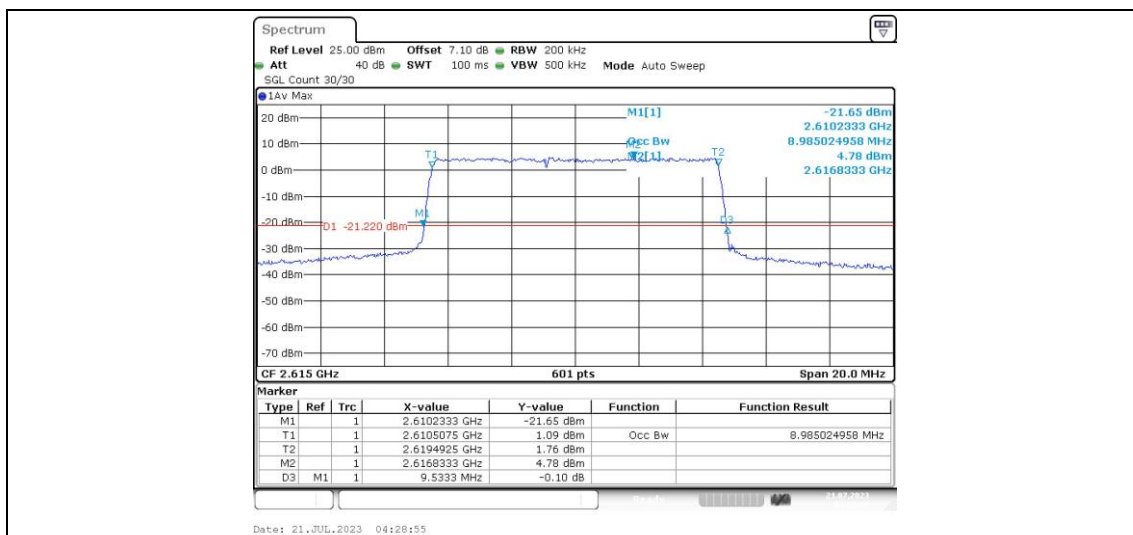
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.505	4.79	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.505	4.77	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.505	4.79	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.79	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	4.78	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	4.78	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.985	9.53	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.985	9.53	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.985	9.53	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.985	9.53	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.985	9.53	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.985	9.53	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.478	14.30	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.478	14.30	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.478	14.30	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.478	14.30	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.478	14.30	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.478	14.30	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.97	19.33	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.97	19.33	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.97	19.33	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.97	19.33	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.97	19.33	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.97	19.33	PASS

Test Graphs

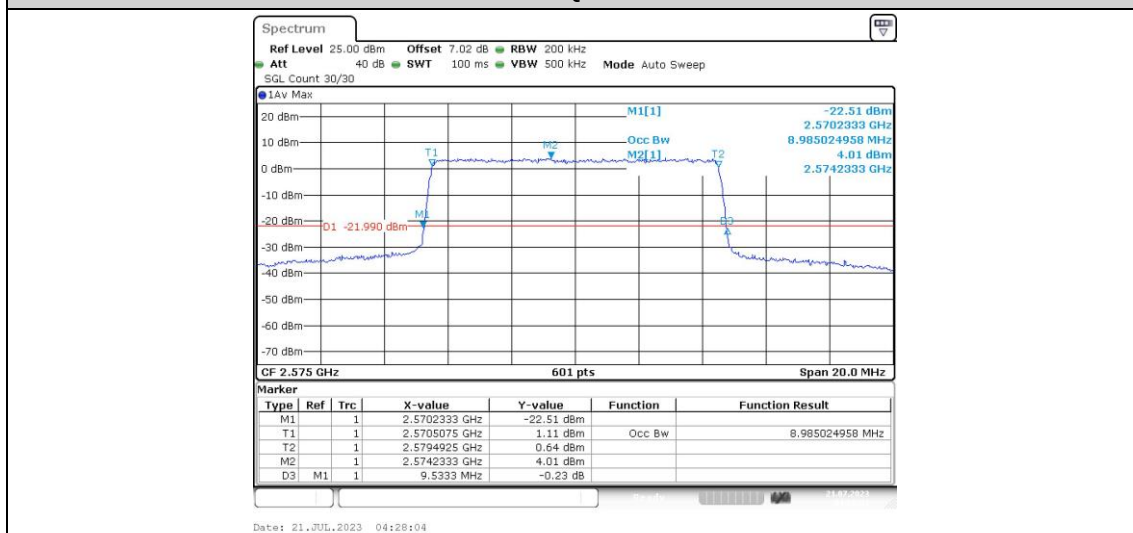




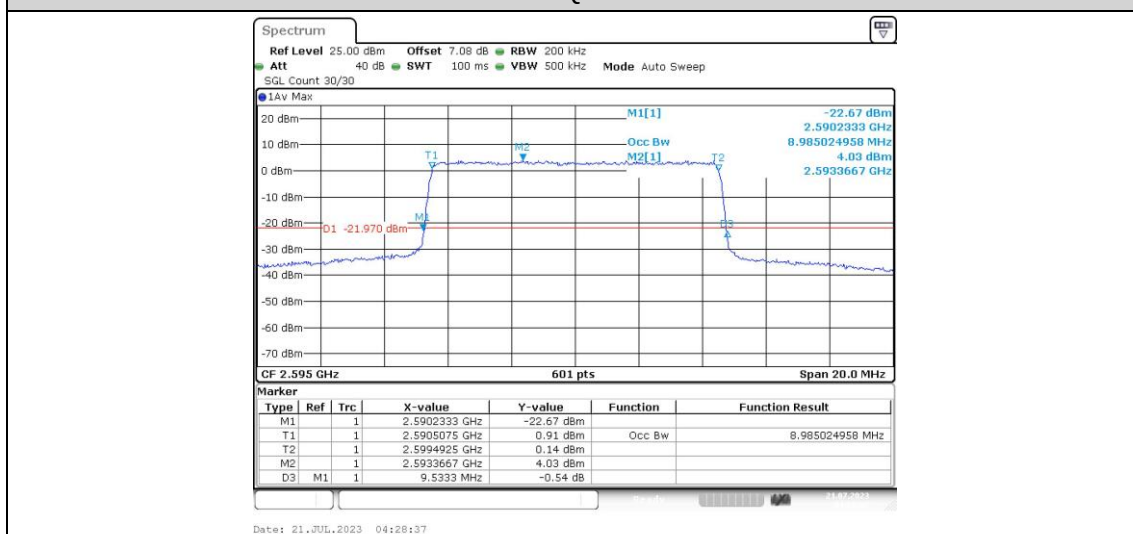




Band38-10MHz-16QAM-37800-50RB#0



Band38-10MHz-16QAM-38000-50RB#0



Band38-10MHz-16QAM-38200-50RB#0

