

Appendix for Band 41

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
Band41	5MHz	QPSK	39675	1RB#0	23.30	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.28	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.25	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.13	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.18	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.14	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.18	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.94	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.92	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.93	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.10	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.11	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.11	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.09	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.53	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.58	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.61	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.35	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.42	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.46	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.50	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.62	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.58	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.54	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.26	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.18	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.19	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.16	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.74	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.77	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.67	PASS

Band41	5MHz	16QAM	40620	12RB#0	20.49	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.64	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.62	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.75	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.77	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.86	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.88	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.46	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.41	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.55	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.53	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.12	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.92	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.93	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.15	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.17	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.15	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.14	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.19	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.36	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.06	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.05	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.09	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.10	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.37	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.73	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.49	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.32	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.33	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.52	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.43	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.52	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.66	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.31	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.24	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.21	PASS

Band41	10MHz	16QAM	39700	25RB#25	21.29	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.19	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.16	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.04	PASS
Band41	10MHz	16QAM	40620	1RB#49	20.89	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.59	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.49	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.47	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.44	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.44	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.52	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.53	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.37	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.35	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.54	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.38	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.31	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.86	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.74	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.00	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.95	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.98	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.99	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.08	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.86	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.71	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.93	PASS
Band41	15MHz	QPSK	40620	38RB#18	20.98	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.96	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.99	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.45	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.13	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.72	PASS
Band41	15MHz	QPSK	41515	38RB#0	22.16	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.14	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.15	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.18	PASS

Band41	15MHz	16QAM	39725	1RB#0	22.52	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.39	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.22	PASS
Band41	15MHz	16QAM	39725	38RB#0	22.00	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.99	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.01	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.18	PASS
Band41	15MHz	16QAM	40620	1RB#38	20.93	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.92	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.93	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.96	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.98	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.99	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.58	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.71	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.86	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.14	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.20	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.13	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.23	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.19	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.96	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.21	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.95	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.98	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.84	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.90	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.05	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.80	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.80	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.02	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.01	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.92	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.94	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.51	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.54	PASS

Band41	20MHz	QPSK	41490	1RB#99	23.78	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.95	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.97	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.22	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.08	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.92	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.03	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.26	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.01	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.03	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.91	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.98	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.76	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.60	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.62	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.63	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.59	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.93	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.71	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.17	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.23	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.52	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.04	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.02	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.29	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.14	PASS

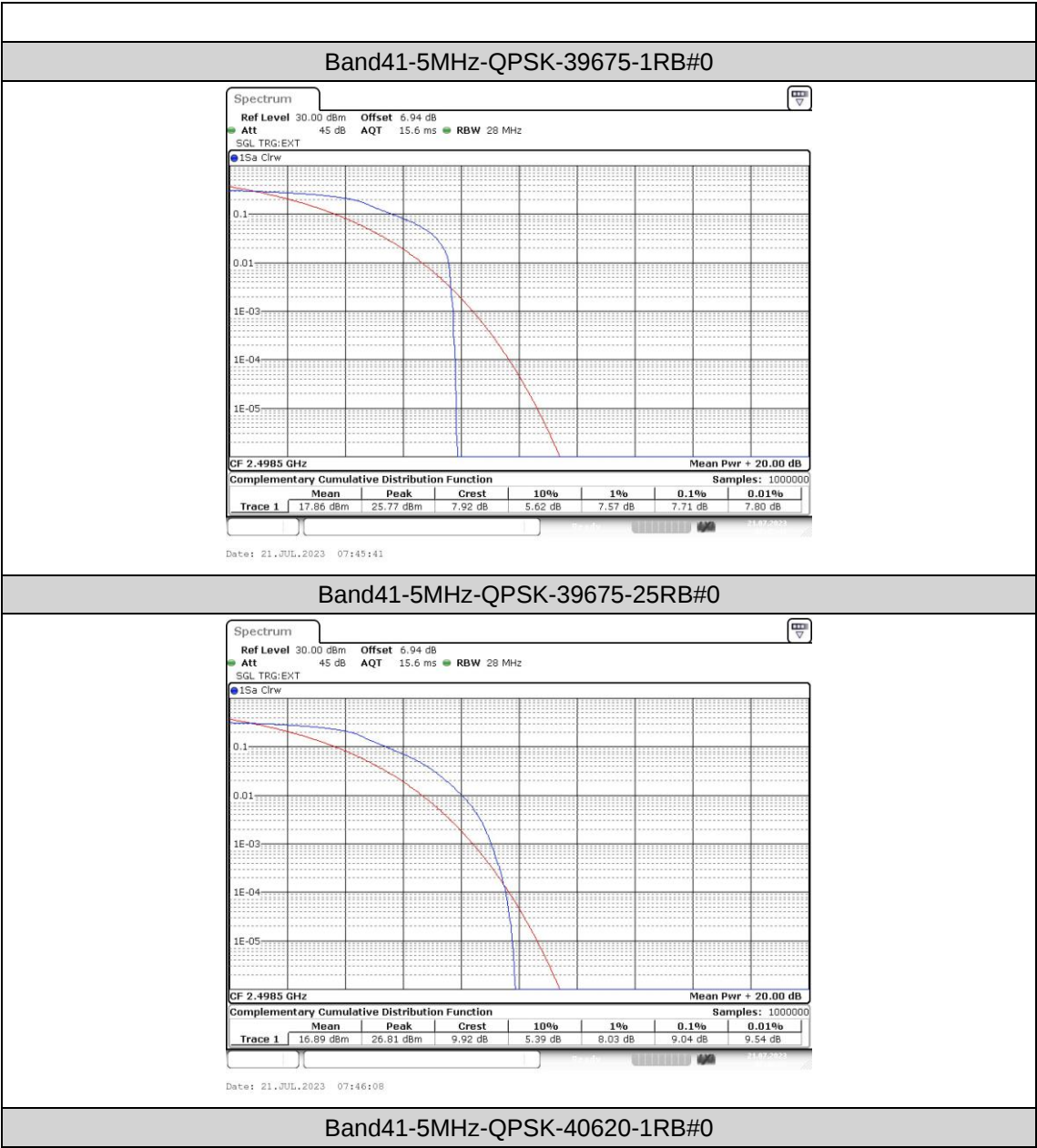
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.71	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.04	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.06	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.30	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.77	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.87	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.19	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.83	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.33	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	10.06	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.10	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.68	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.74	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.01	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.91	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.28	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.77	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.87	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.22	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.86	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.68	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	10.12	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.13	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.74	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.35	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.25	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	7.86	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.45	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.77	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.10	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.33	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.00	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.62	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.17	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.16	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.91	13	PASS

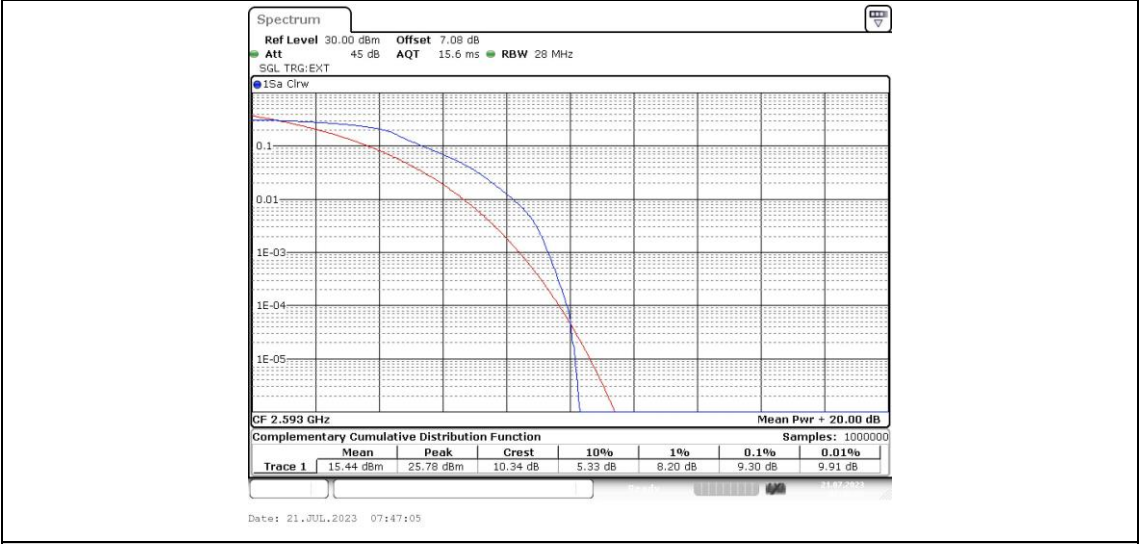
Band41	20MHz	QPSK	39750	1RB#0	7.83	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.04	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.19	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.77	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.93	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.71	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.94	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.77	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.06	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.04	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.80	13	PASS

Test Graphs





Band41-5MHz-QPSK-40620-25RB#0



Band41-5MHz-QPSK-41565-1RB#0



Band41-5MHz-QPSK-41565-25RB#0



Band41-5MHz-16QAM-39675-1RB#0



Band41-5MHz-16QAM-39675-25RB#0



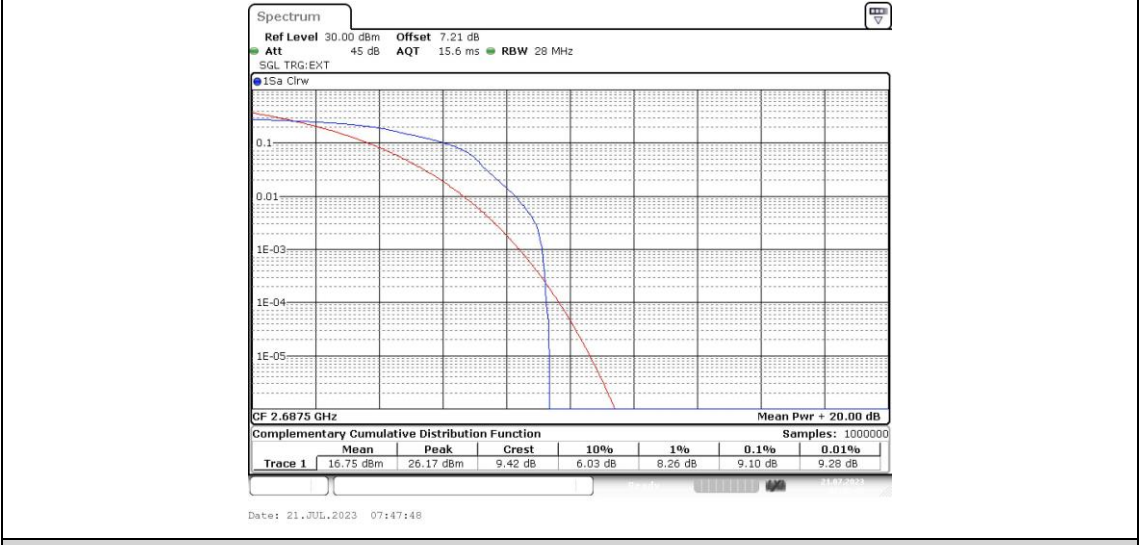
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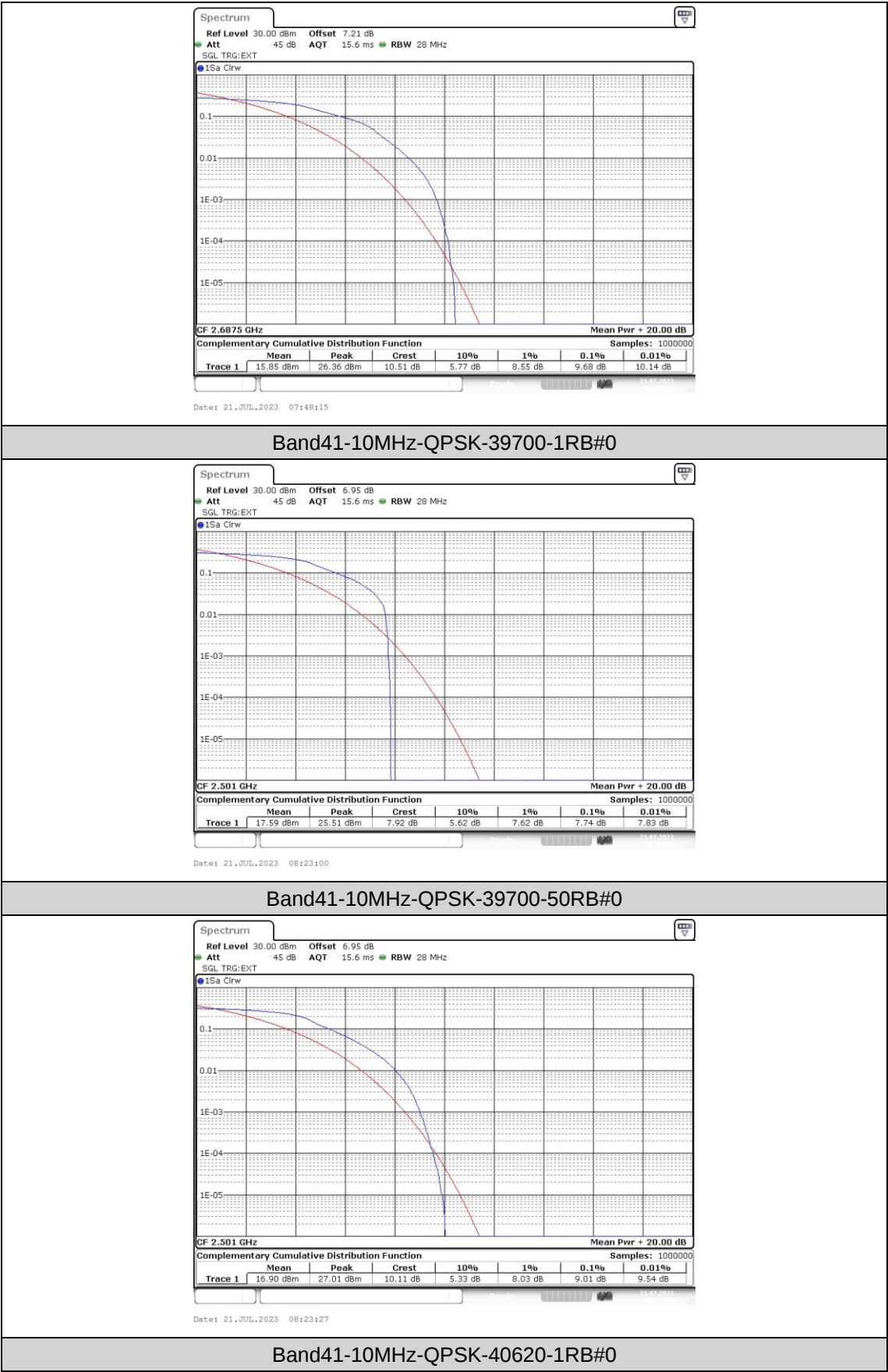
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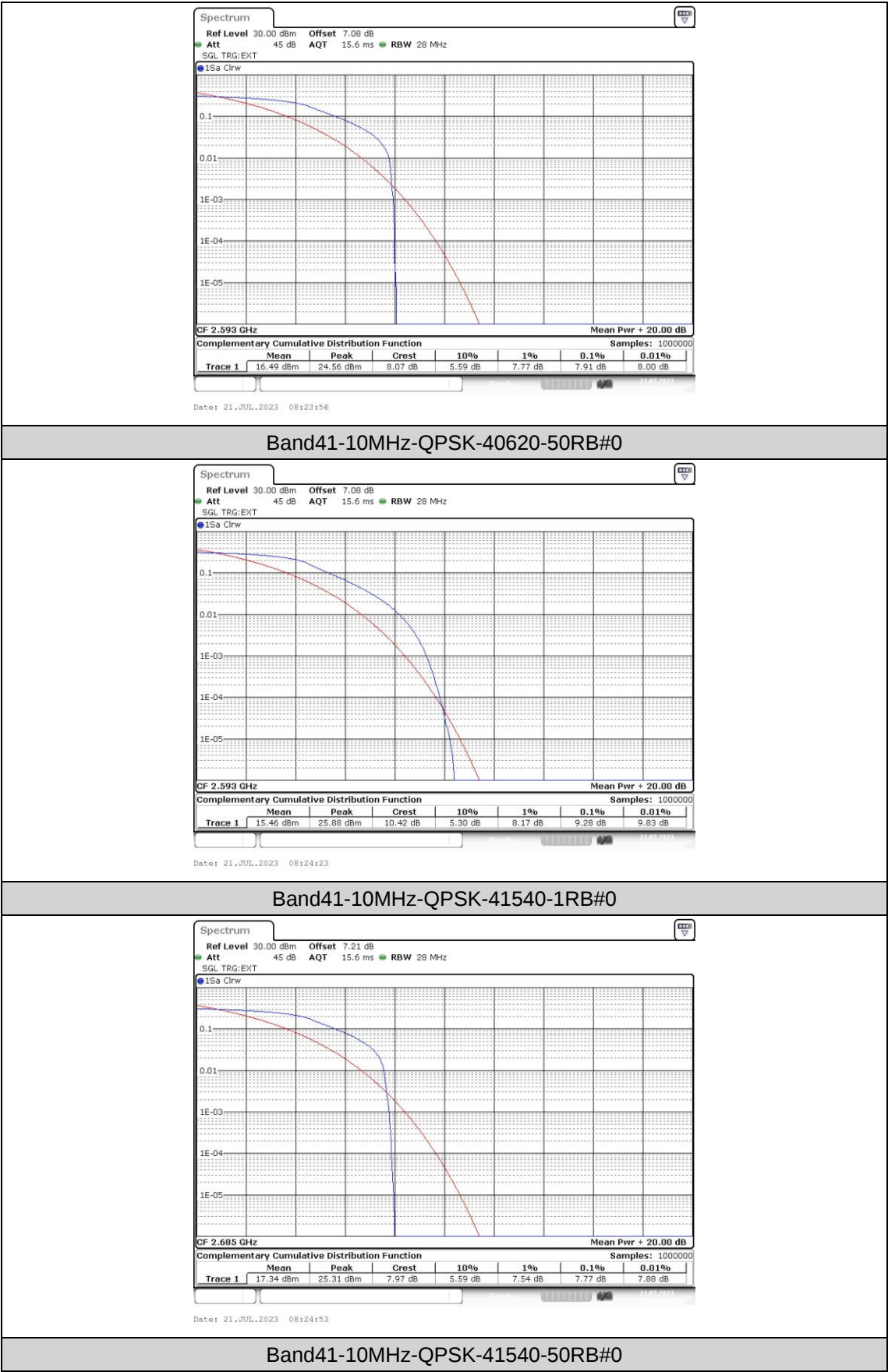


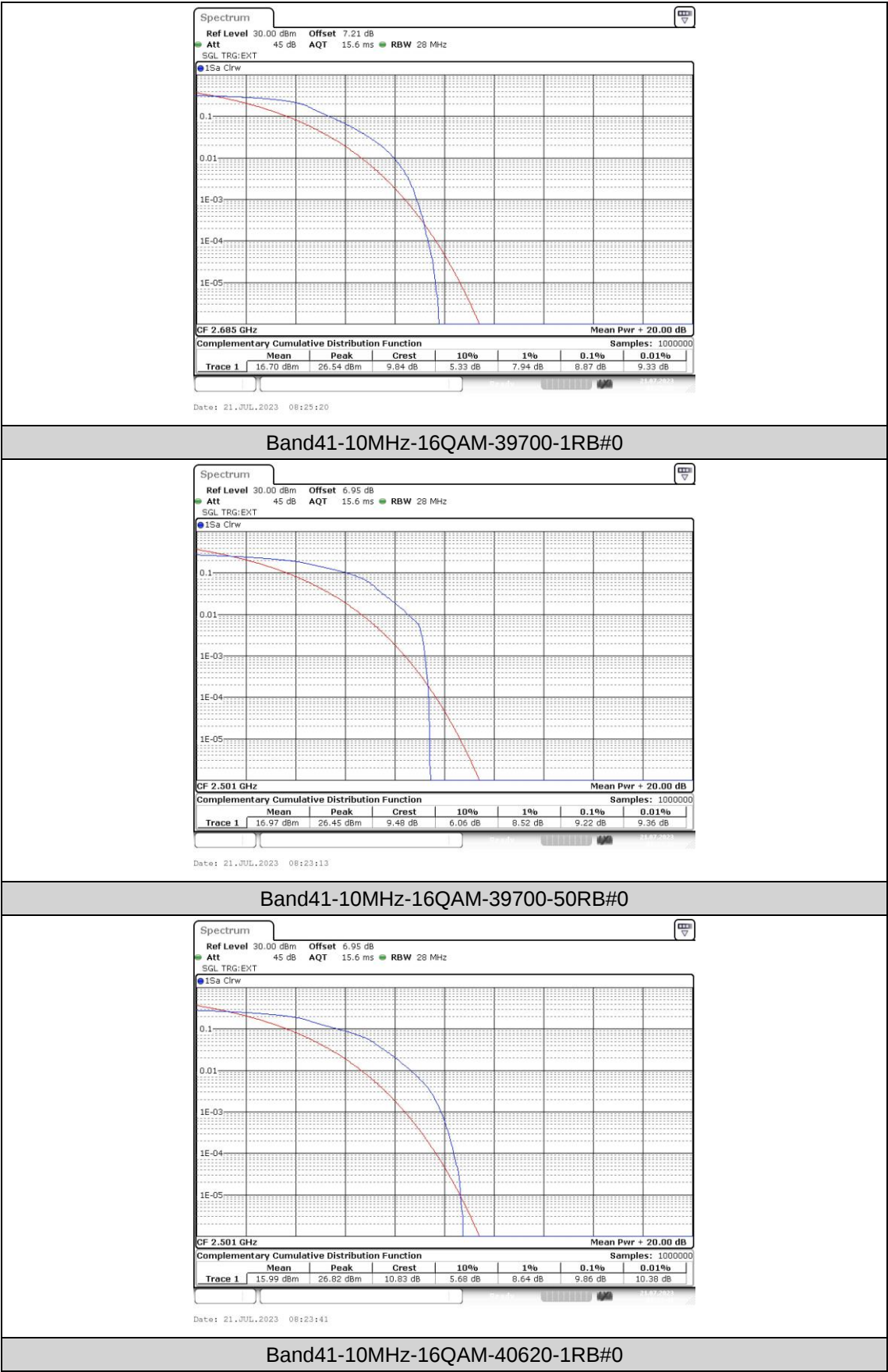
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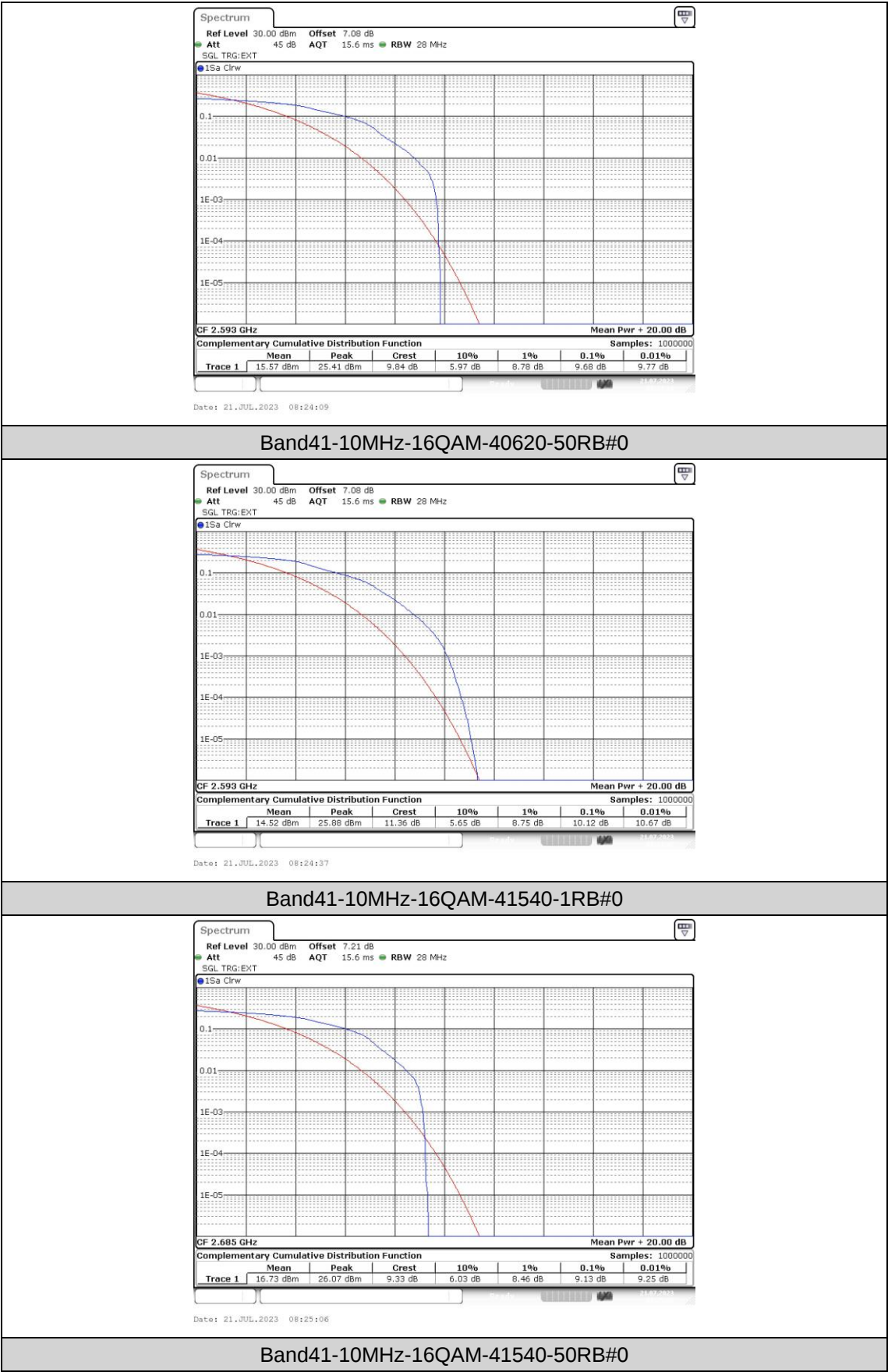


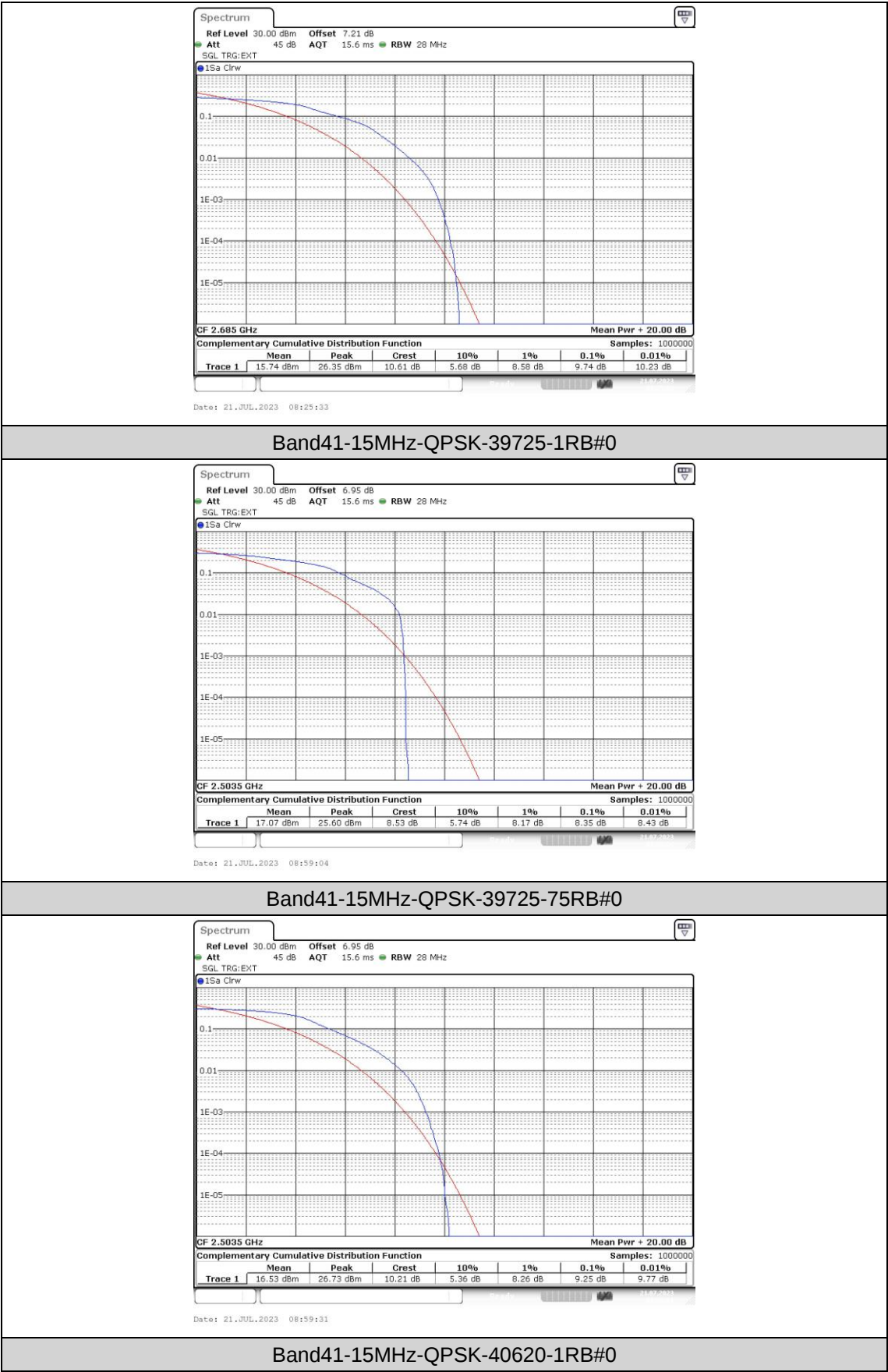
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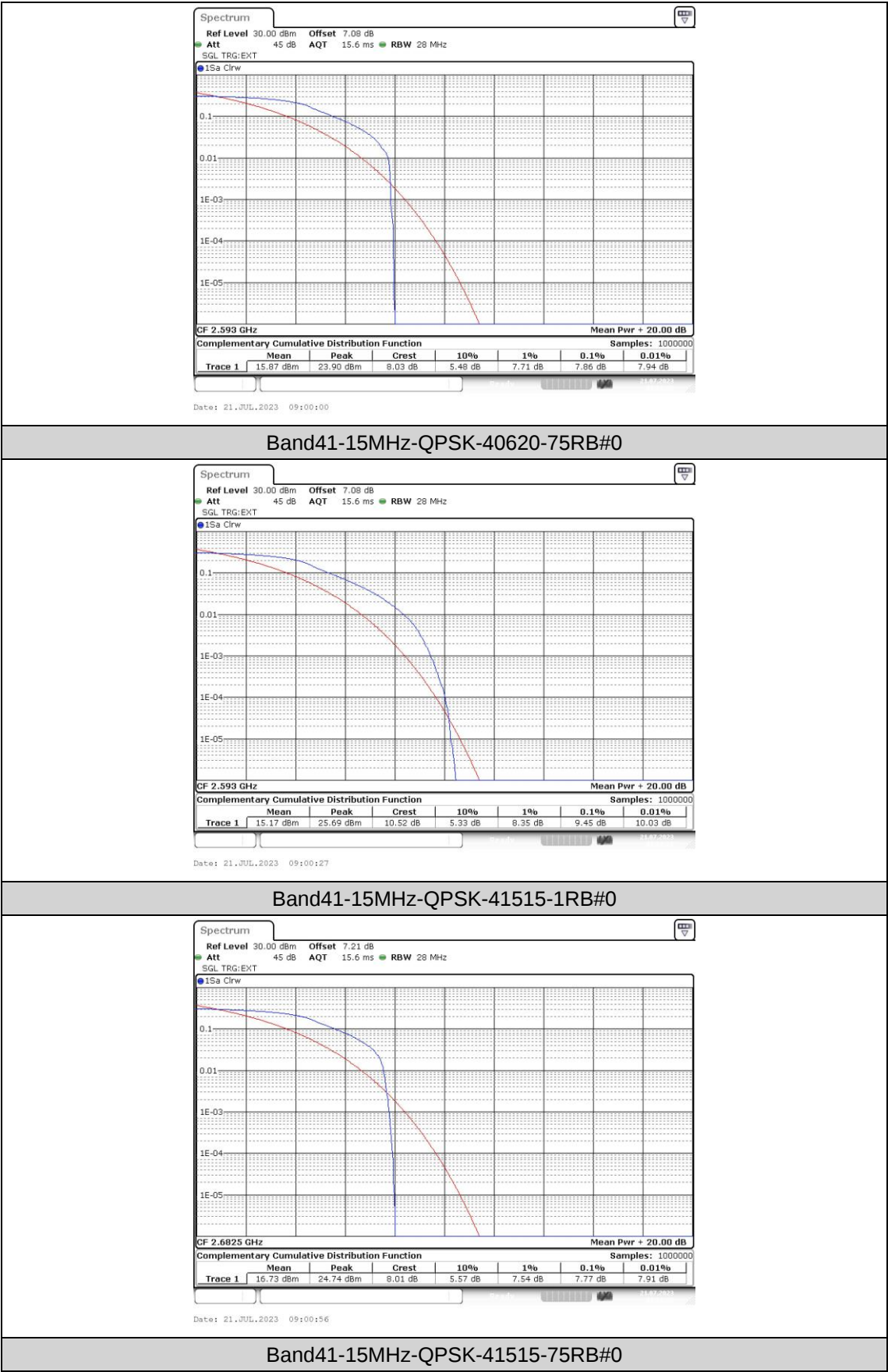


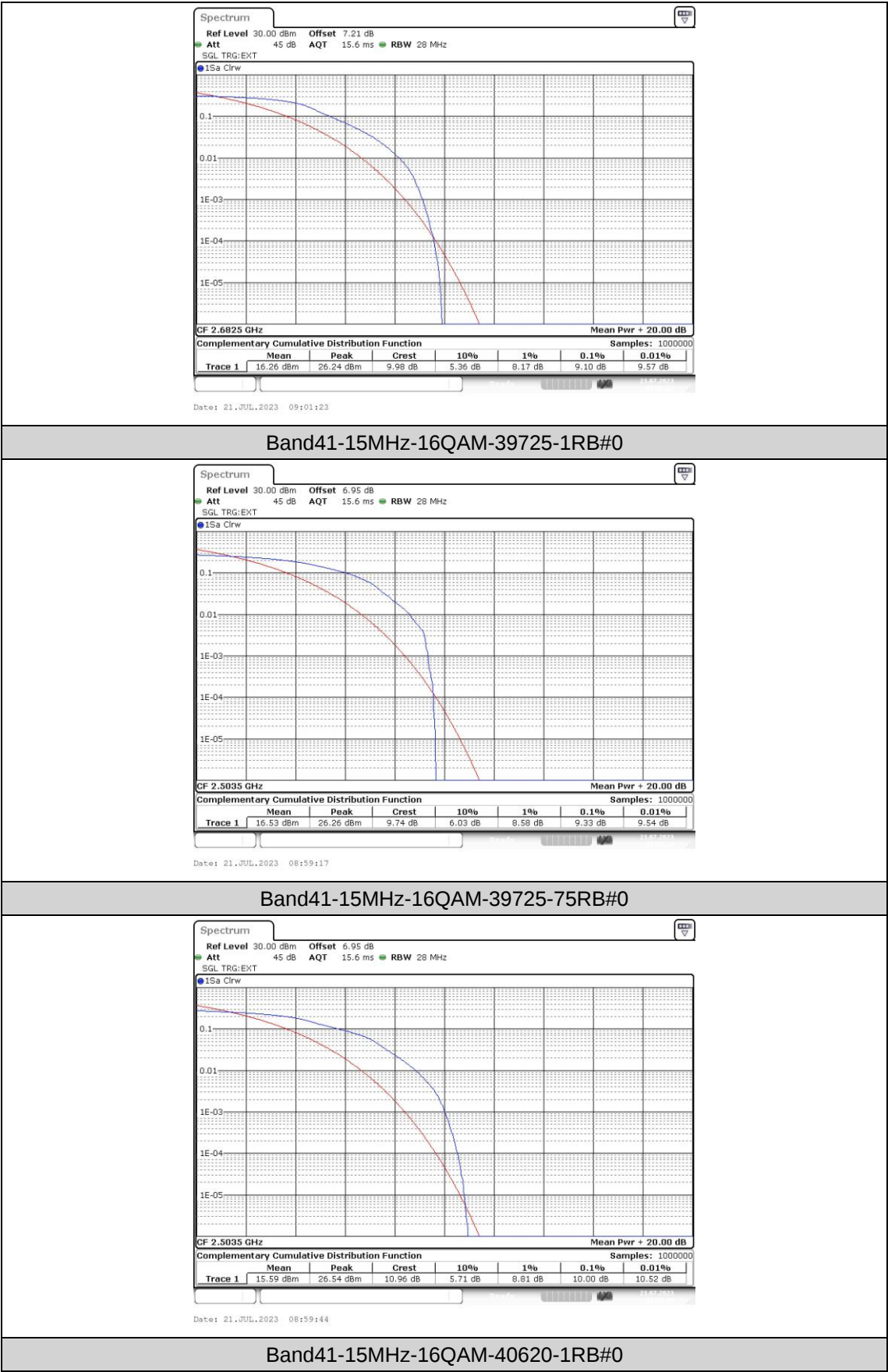


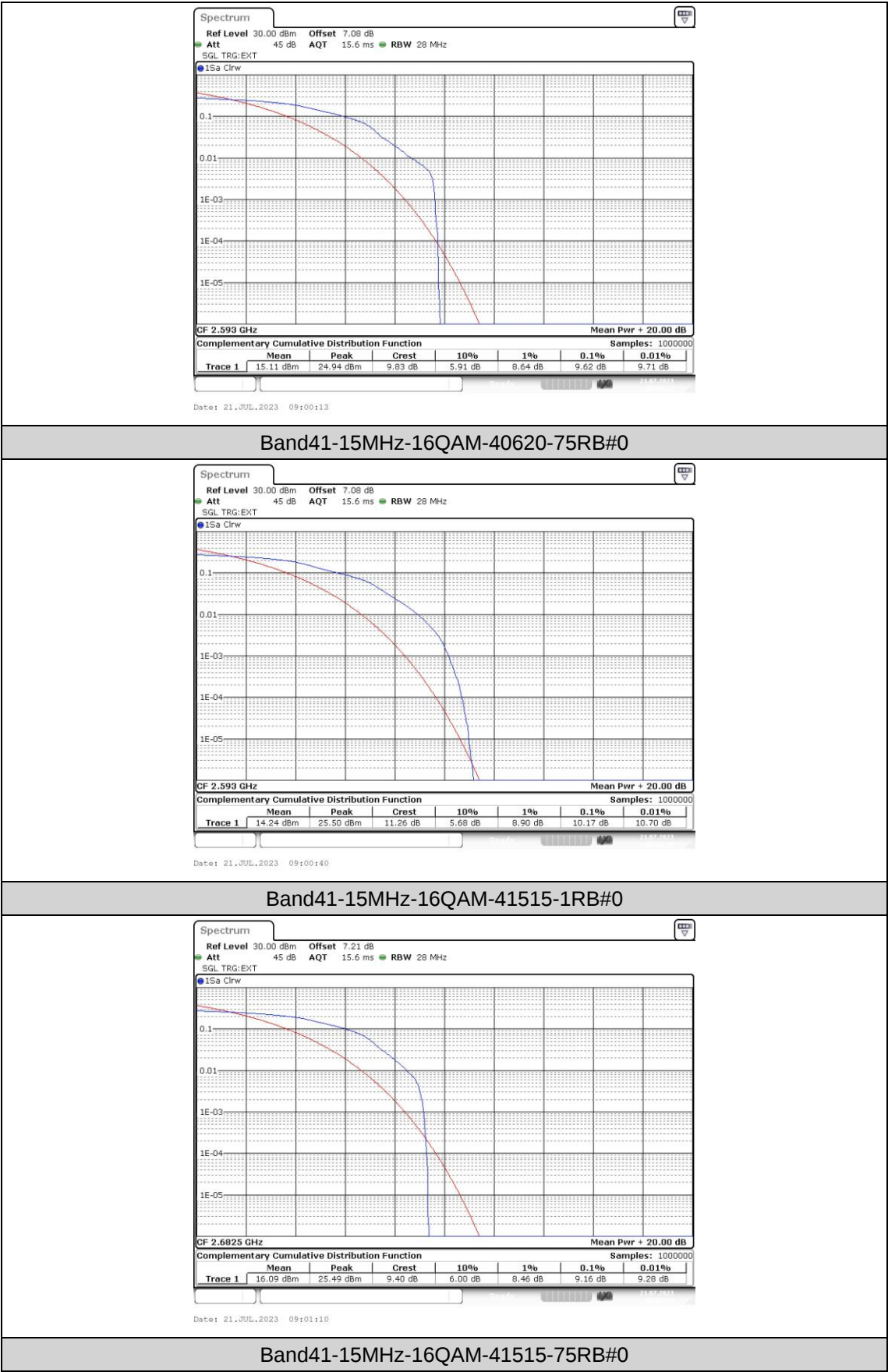


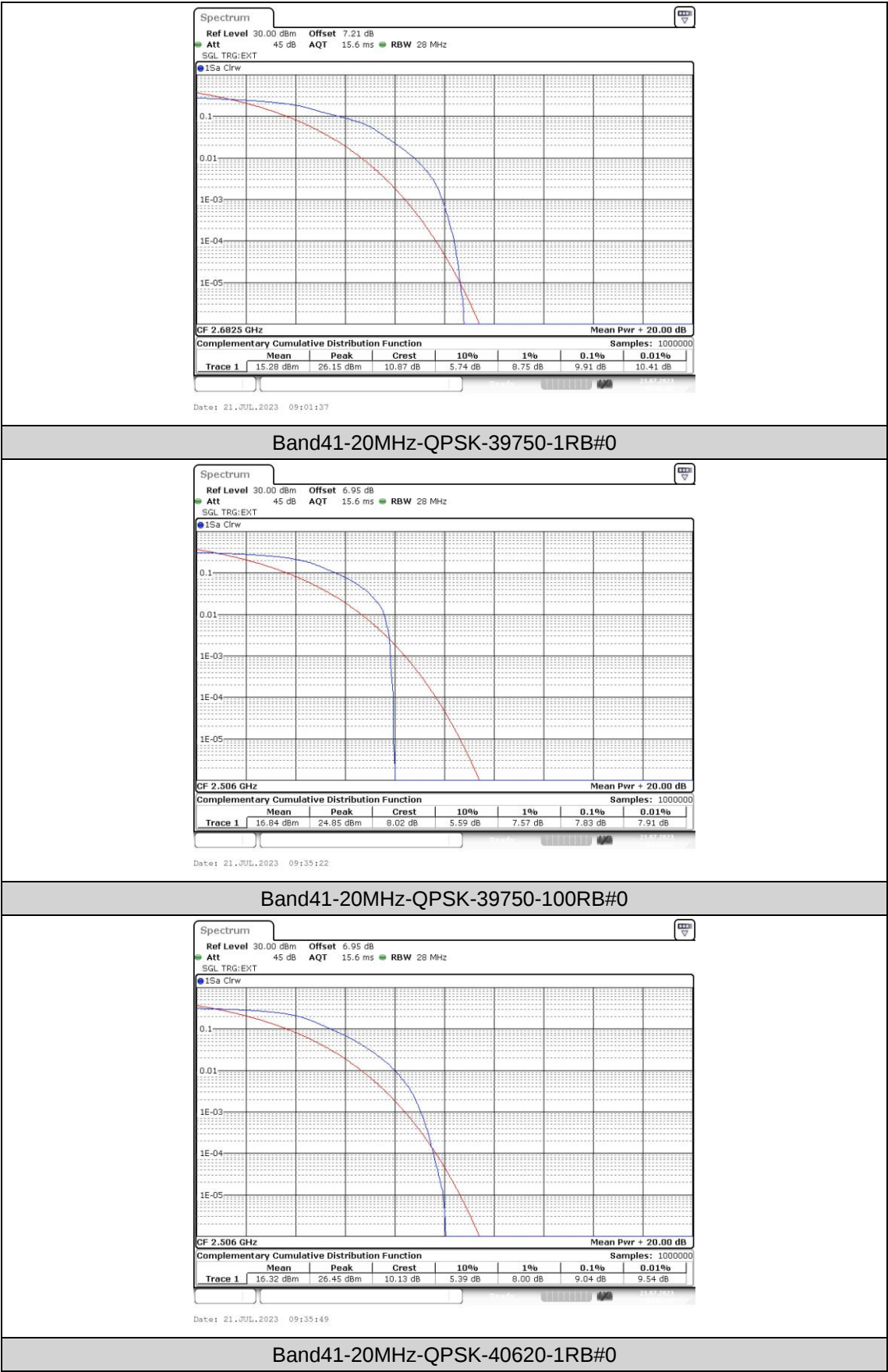






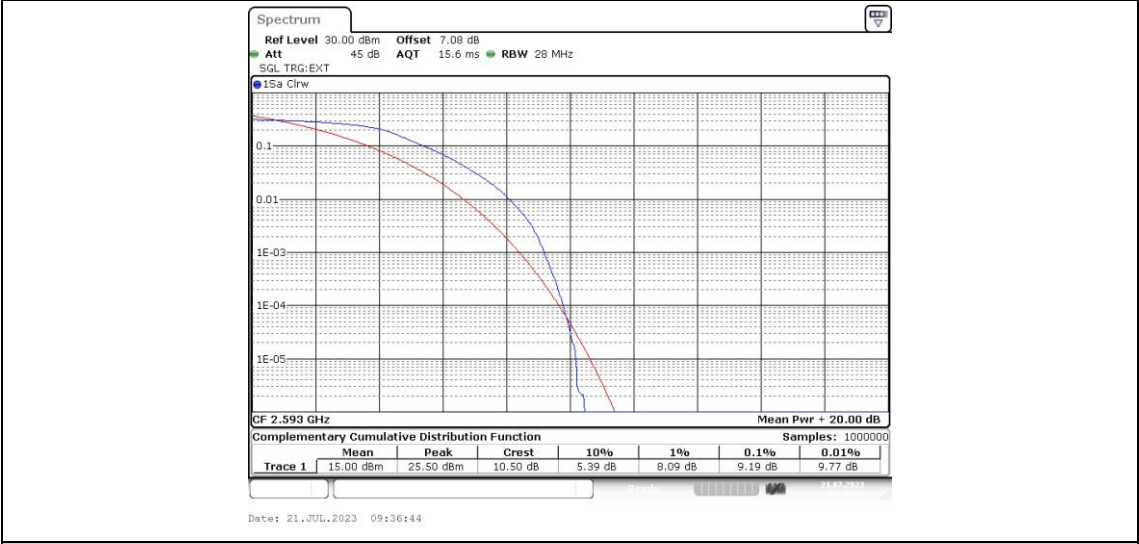




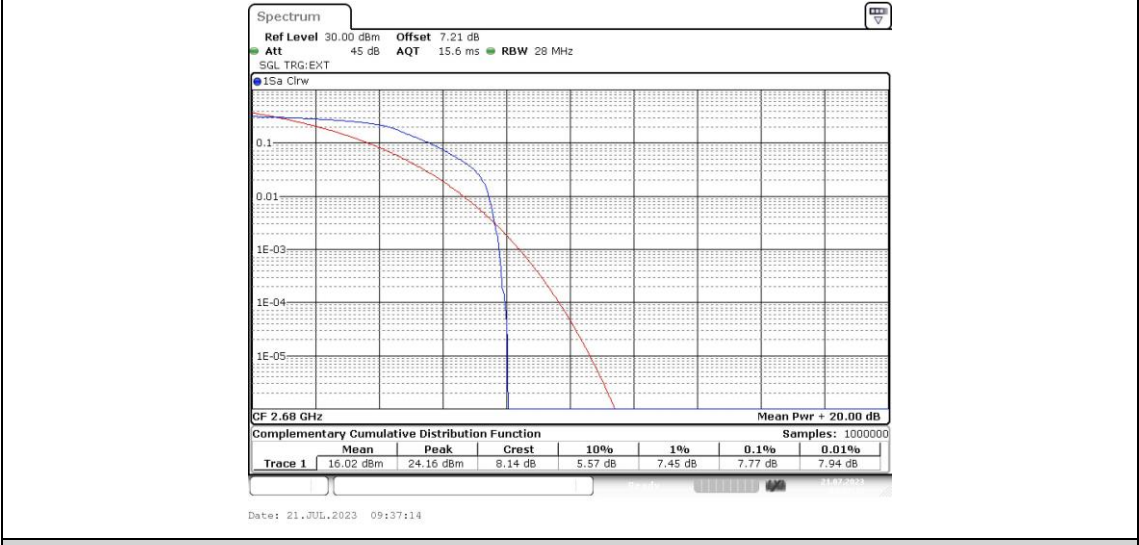




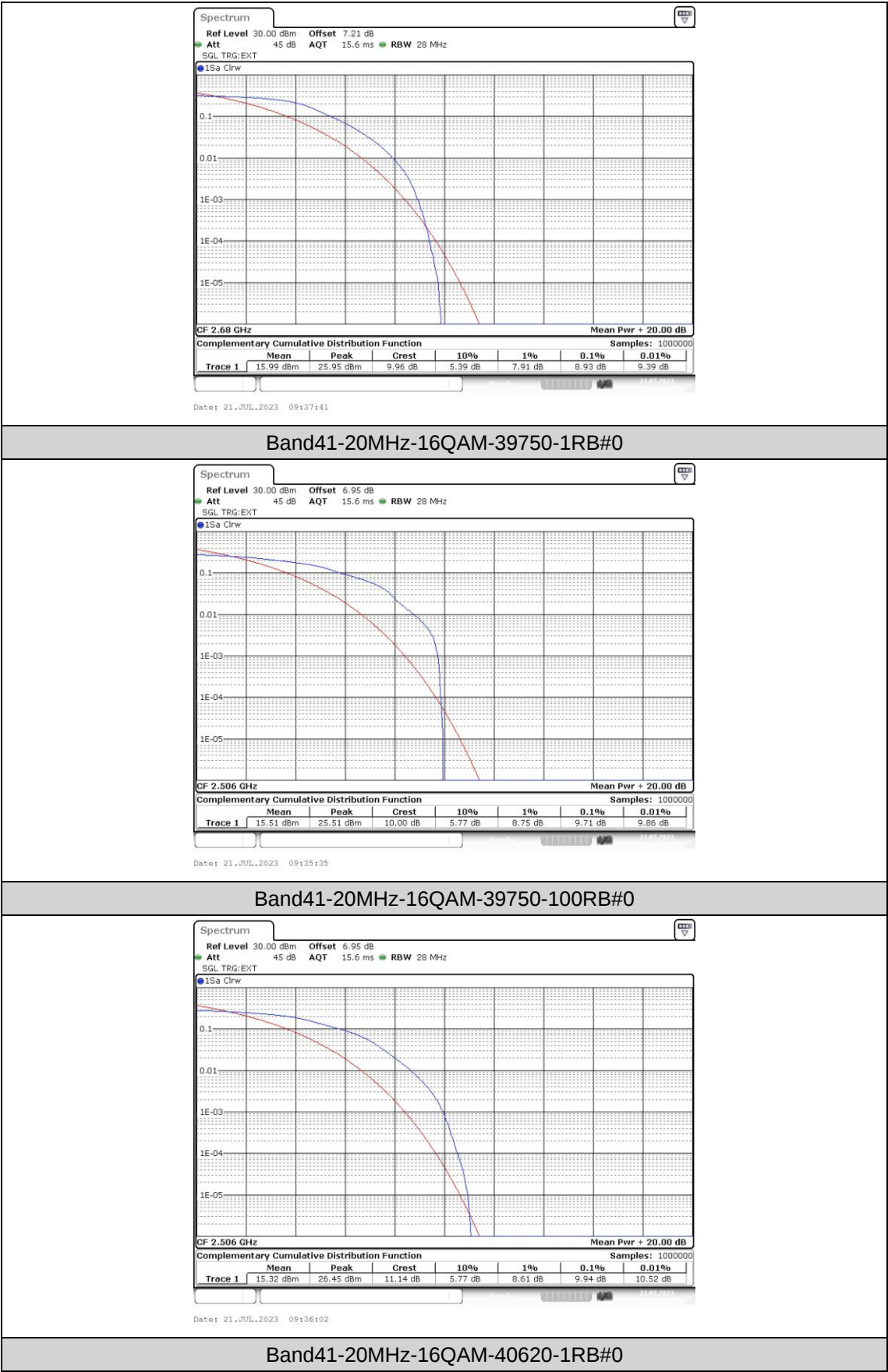
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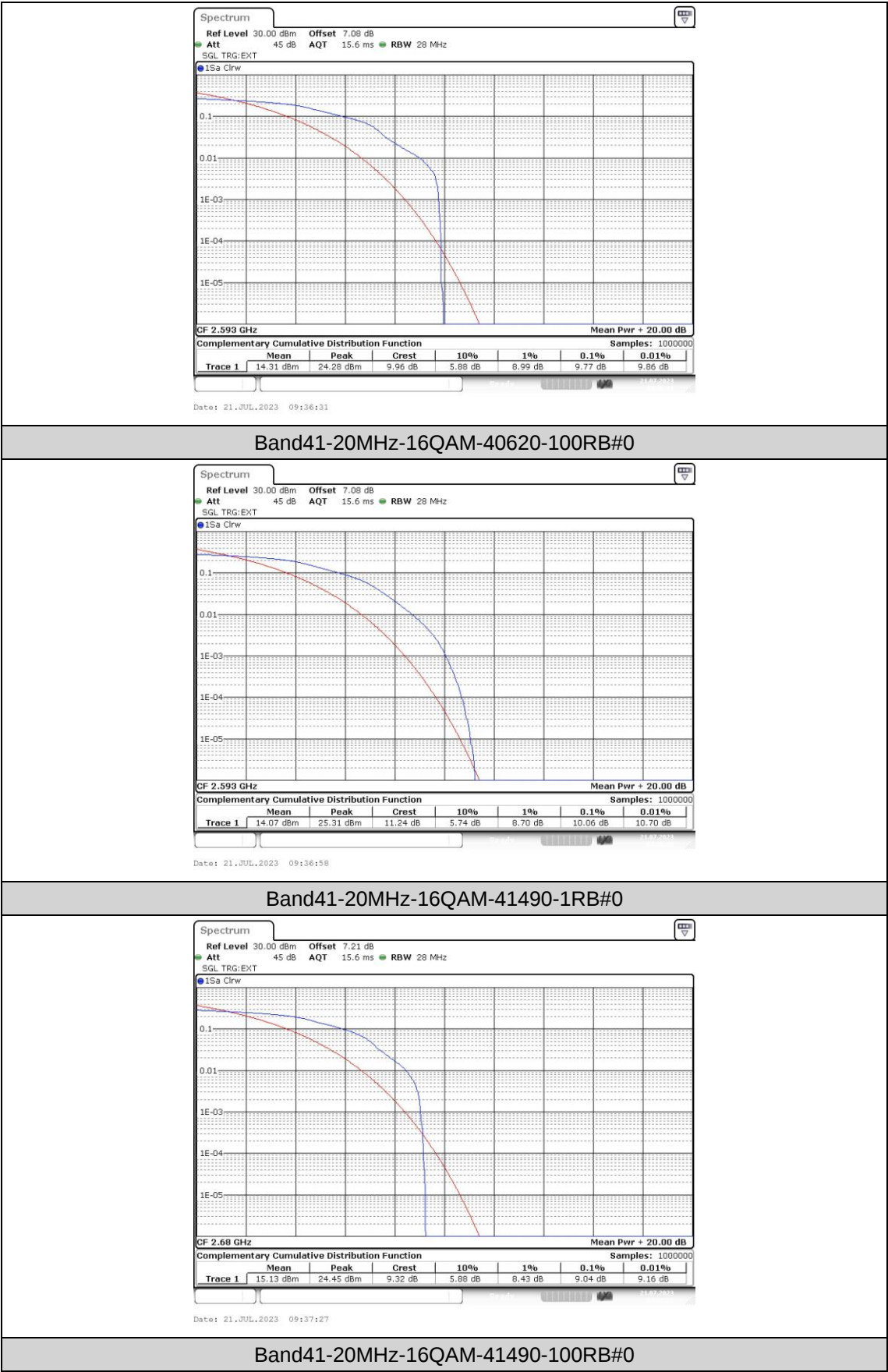


Band41-20MHz-QPSK-41490-1RB#0



Band41-20MHz-QPSK-41490-100RB#0





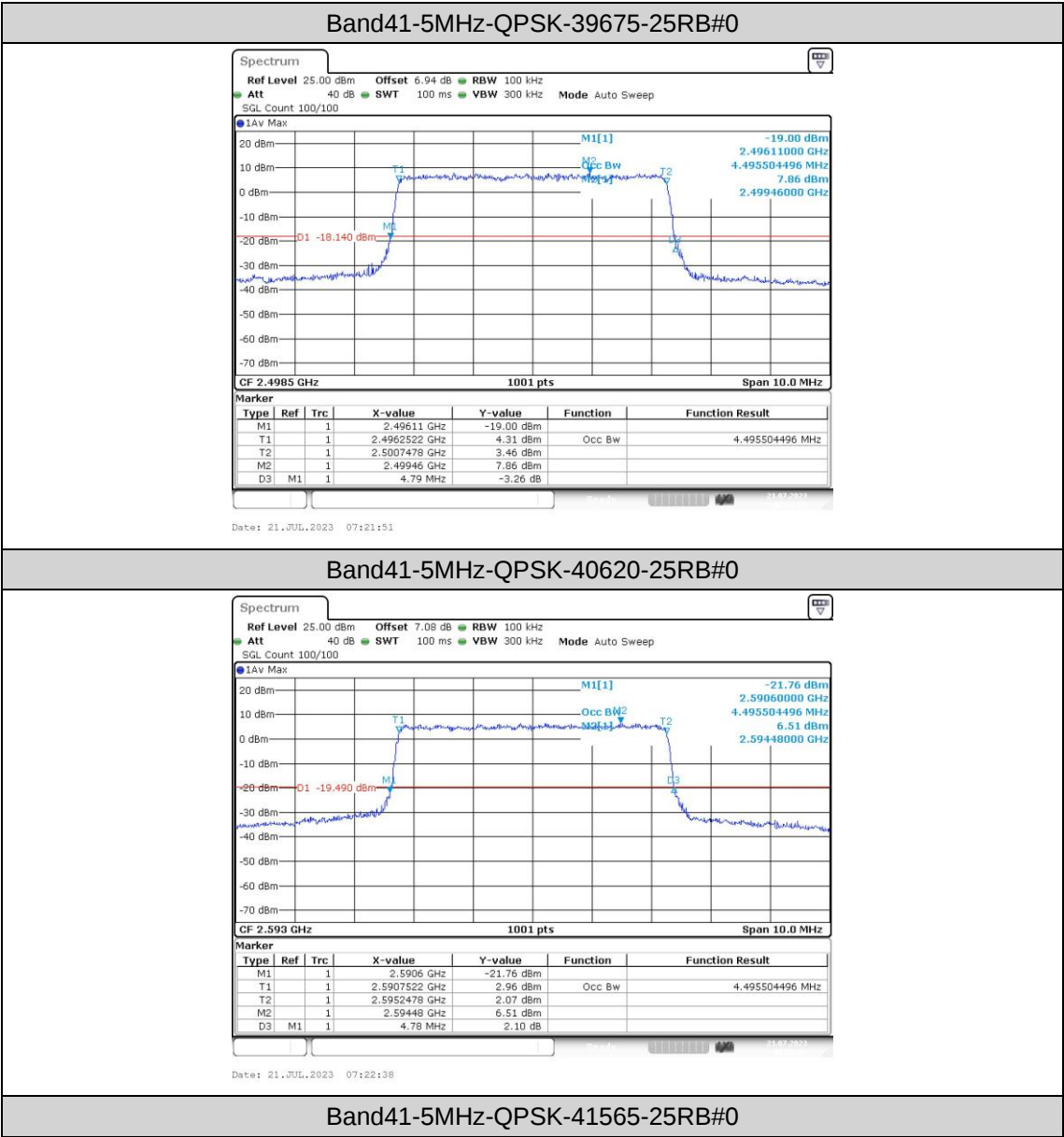


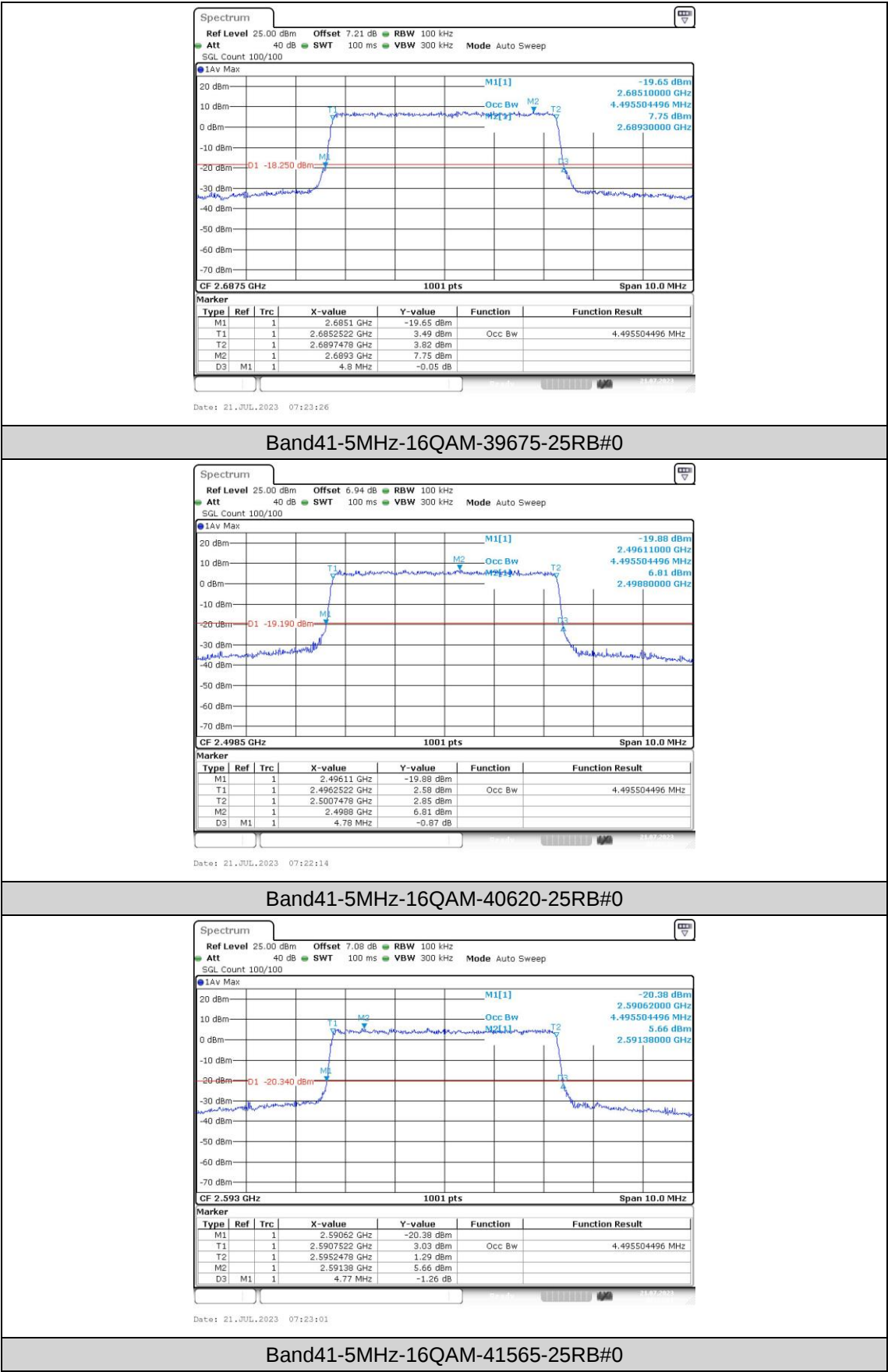
Appendix C: 26dB Bandwidth and Occupied Bandwidth

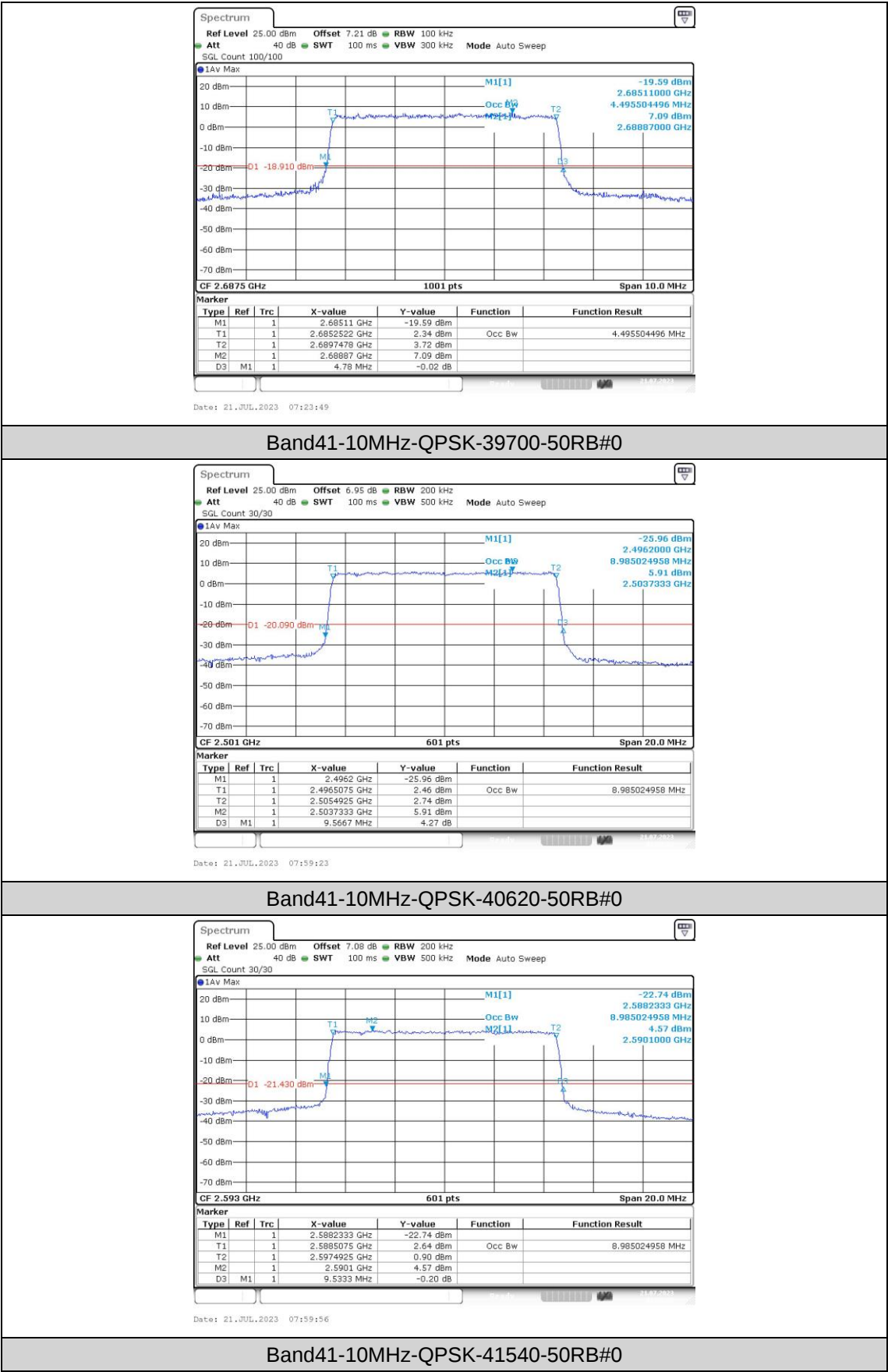
Test Result

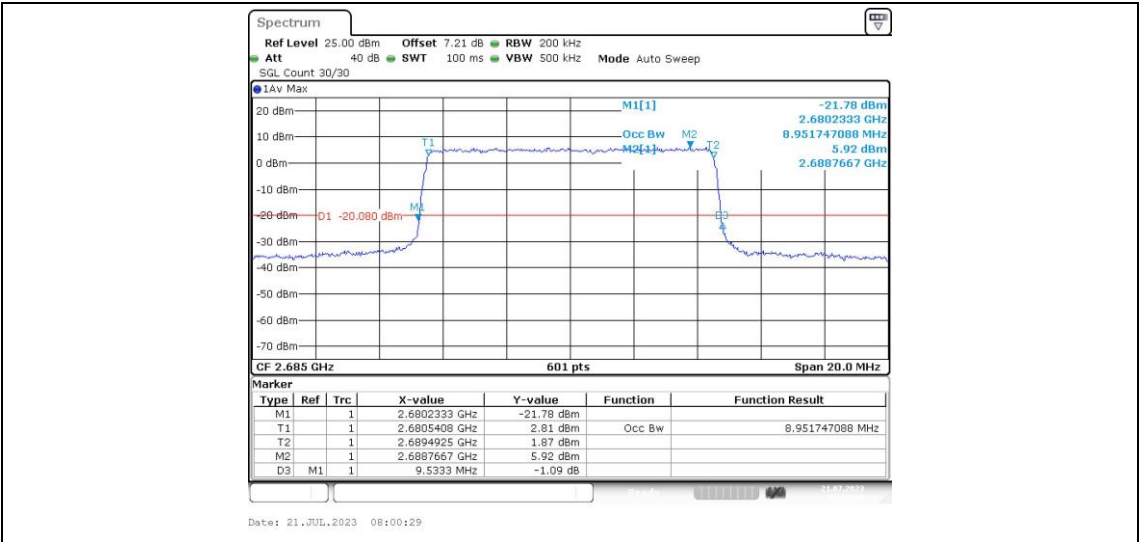
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.496	4.79	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.496	4.78	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.496	4.80	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.78	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.496	4.77	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	4.78	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.985	9.57	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.985	9.53	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.952	9.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.985	9.53	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.478	14.30	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.428	14.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.428	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.428	14.30	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.037	19.33	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.037	19.27	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	18.037	19.33	PASS

Test Graphs

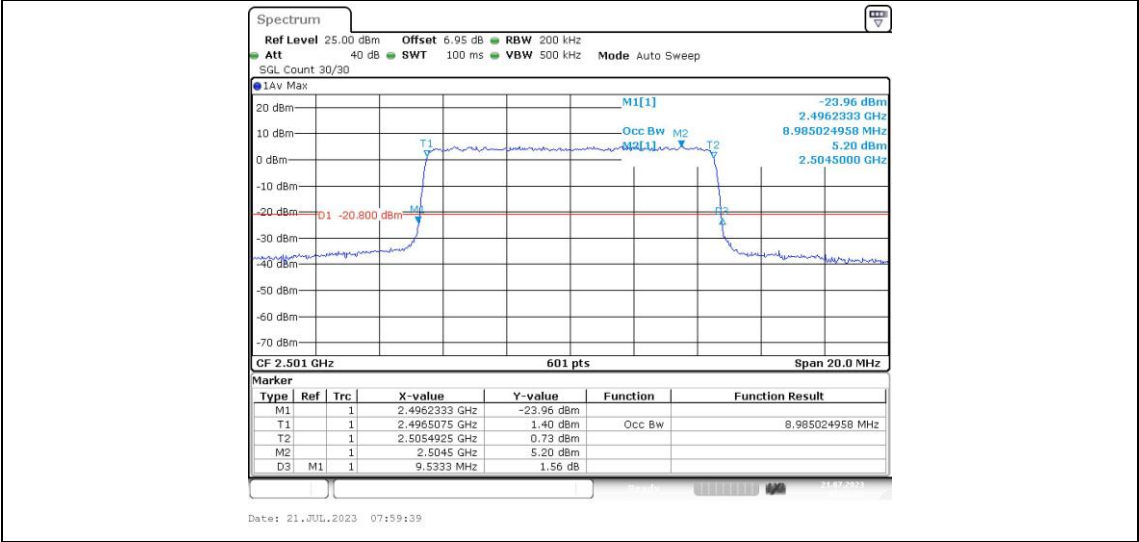




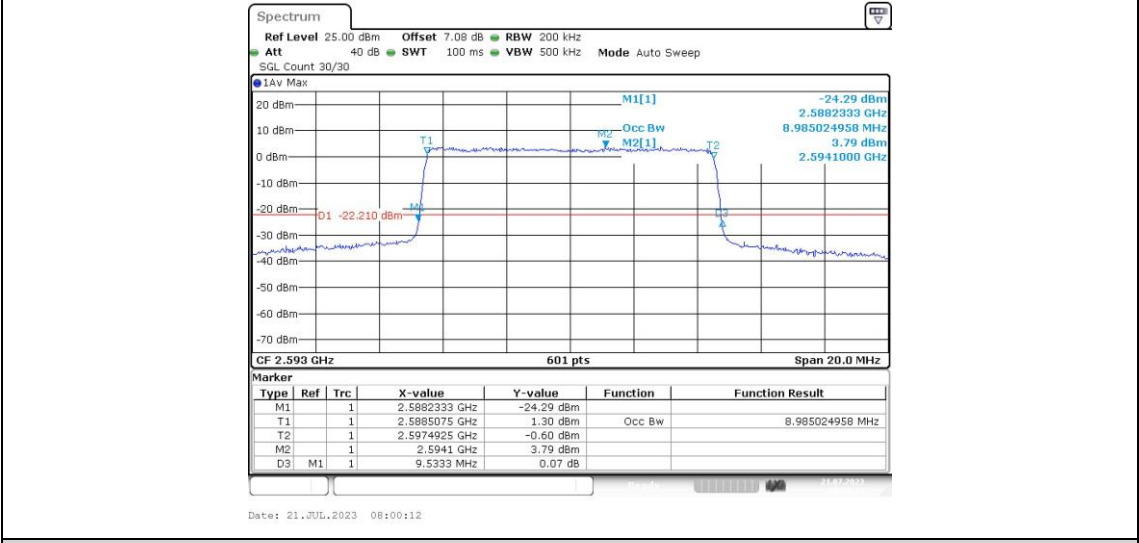




Band41-10MHz-16QAM-39700-50RB#0



Band41-10MHz-16QAM-40620-50RB#0



Band41-10MHz-16QAM-41540-50RB#0

