

Appendix for LTE Band 41

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.62	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.55	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.56	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.48	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.45	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.35	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.45	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.16	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.01	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.04	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.23	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.23	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.26	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.26	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.83	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.12	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.02	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.93	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.92	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.03	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.90	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.88	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.77	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.47	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.40	PASS

Band41	5MHz	16QAM	39675	12RB#13	20.34	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.53	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.86	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.89	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.84	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.18	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.21	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.23	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.32	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.39	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.46	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.49	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.90	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.90	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.03	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.36	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.25	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.21	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.44	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.44	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.33	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.40	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.36	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.56	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.30	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.23	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.22	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.36	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.30	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.87	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.74	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.87	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.89	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.90	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.03	PASS

Band41	10MHz	QPSK	41540	50RB#0	22.03	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.76	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.86	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.64	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.55	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.55	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.39	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.48	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.29	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.20	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.15	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.27	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.27	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.36	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.33	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.14	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.41	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.28	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.03	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.04	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.16	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.06	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.29	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.12	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.05	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.30	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.29	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.29	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.27	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.14	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.99	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.06	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.18	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.20	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.16	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.17	PASS

Band41	15MHz	QPSK	41515	1RB#0	22.73	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.64	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.85	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.85	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.85	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.85	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.83	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.80	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.59	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.52	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.29	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.27	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.29	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.35	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.28	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.12	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.21	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.15	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.20	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.11	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.19	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.18	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.14	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.37	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.85	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.85	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.84	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.89	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.38	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.23	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.26	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.27	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.32	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.13	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.29	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.10	PASS

Band41	20MHz	QPSK	40620	1RB#49	22.01	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.18	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.17	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.17	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.18	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.21	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.93	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.79	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.16	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.74	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.75	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.80	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.74	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.54	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.39	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.40	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.33	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.38	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.23	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.25	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.89	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.76	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.91	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.19	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.20	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.25	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.22	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.02	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.90	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.16	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.81	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.83	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.92	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.84	PASS

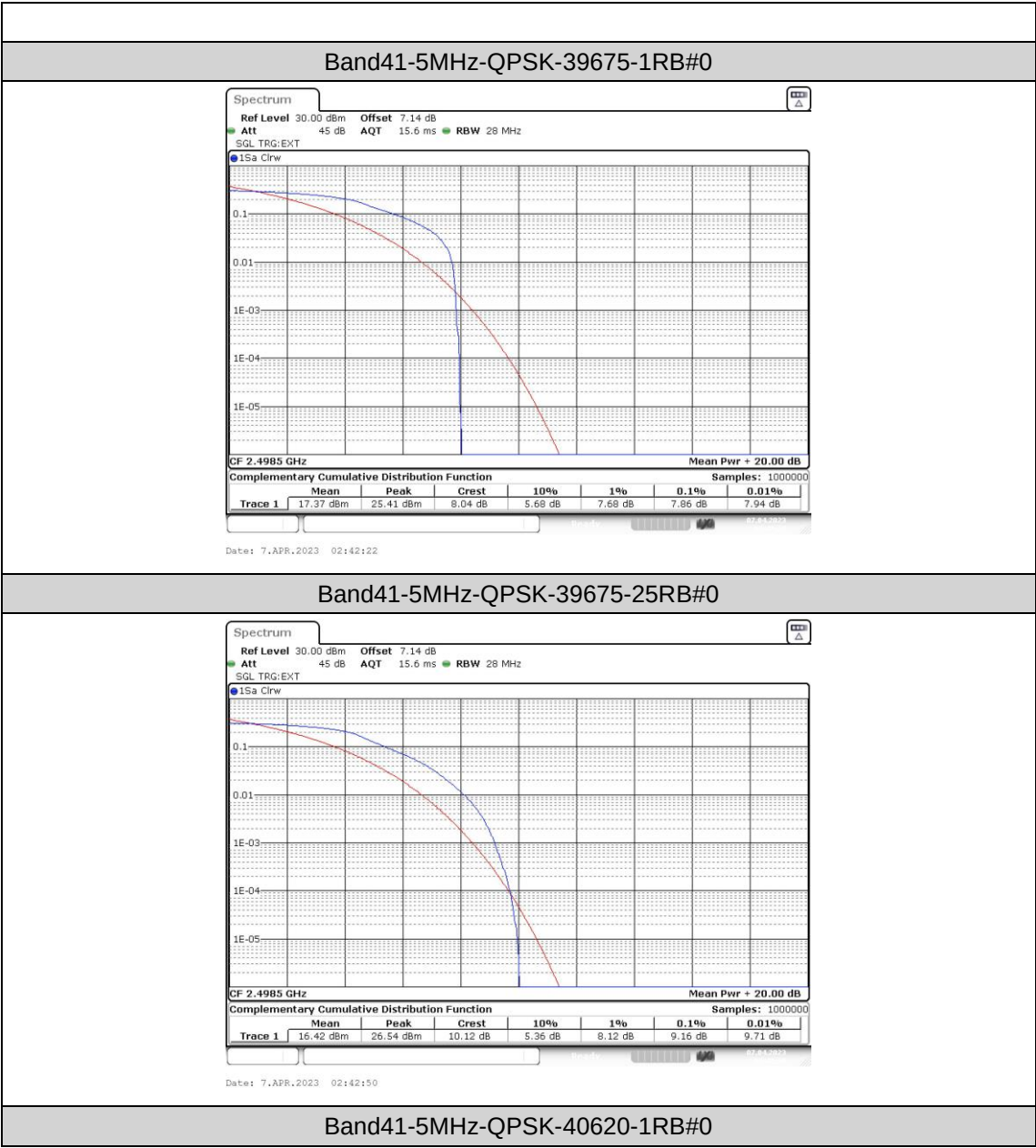
Appendix B: Peak-to-Average Ratio(CCDF)

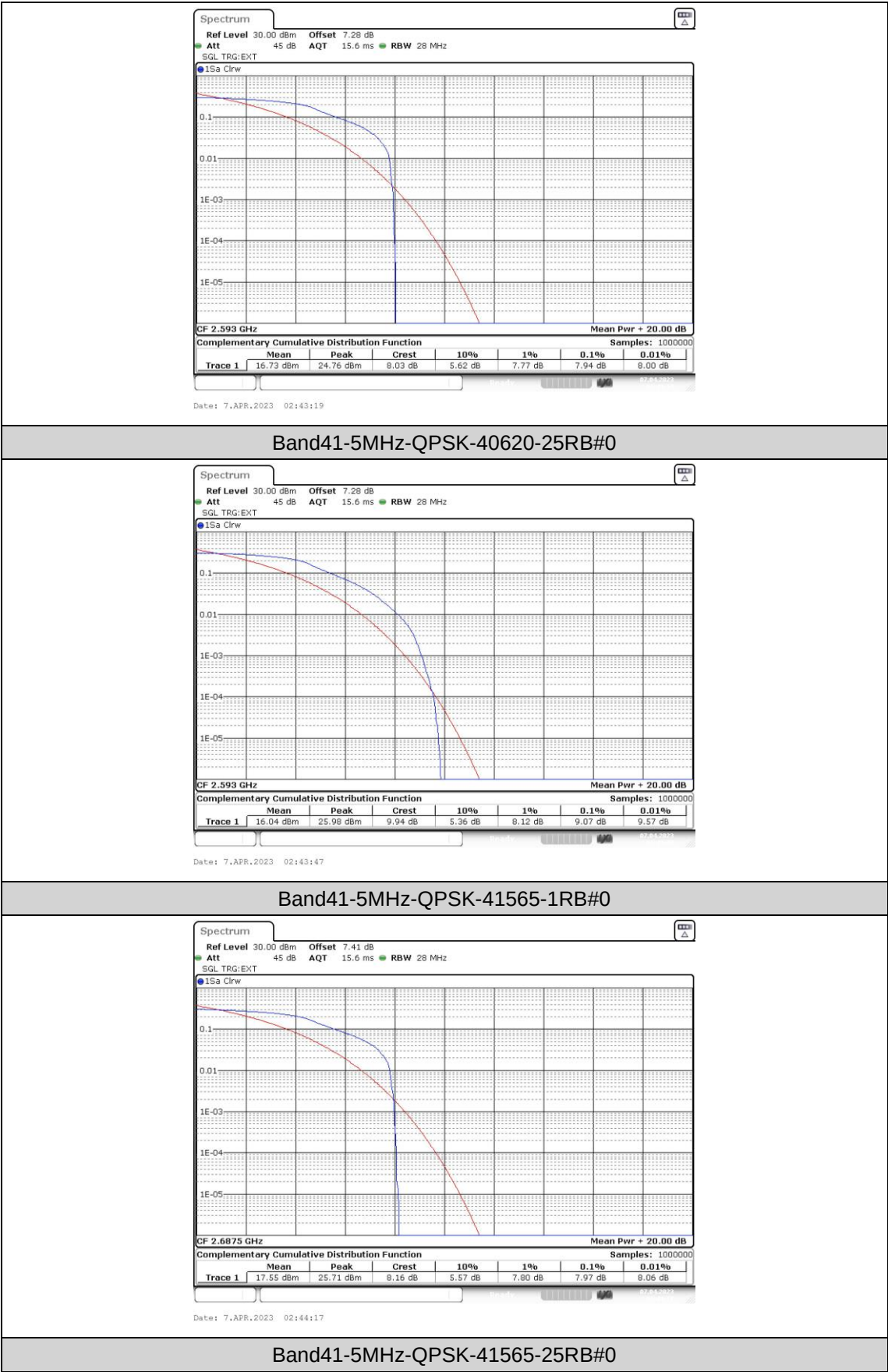
Test Result

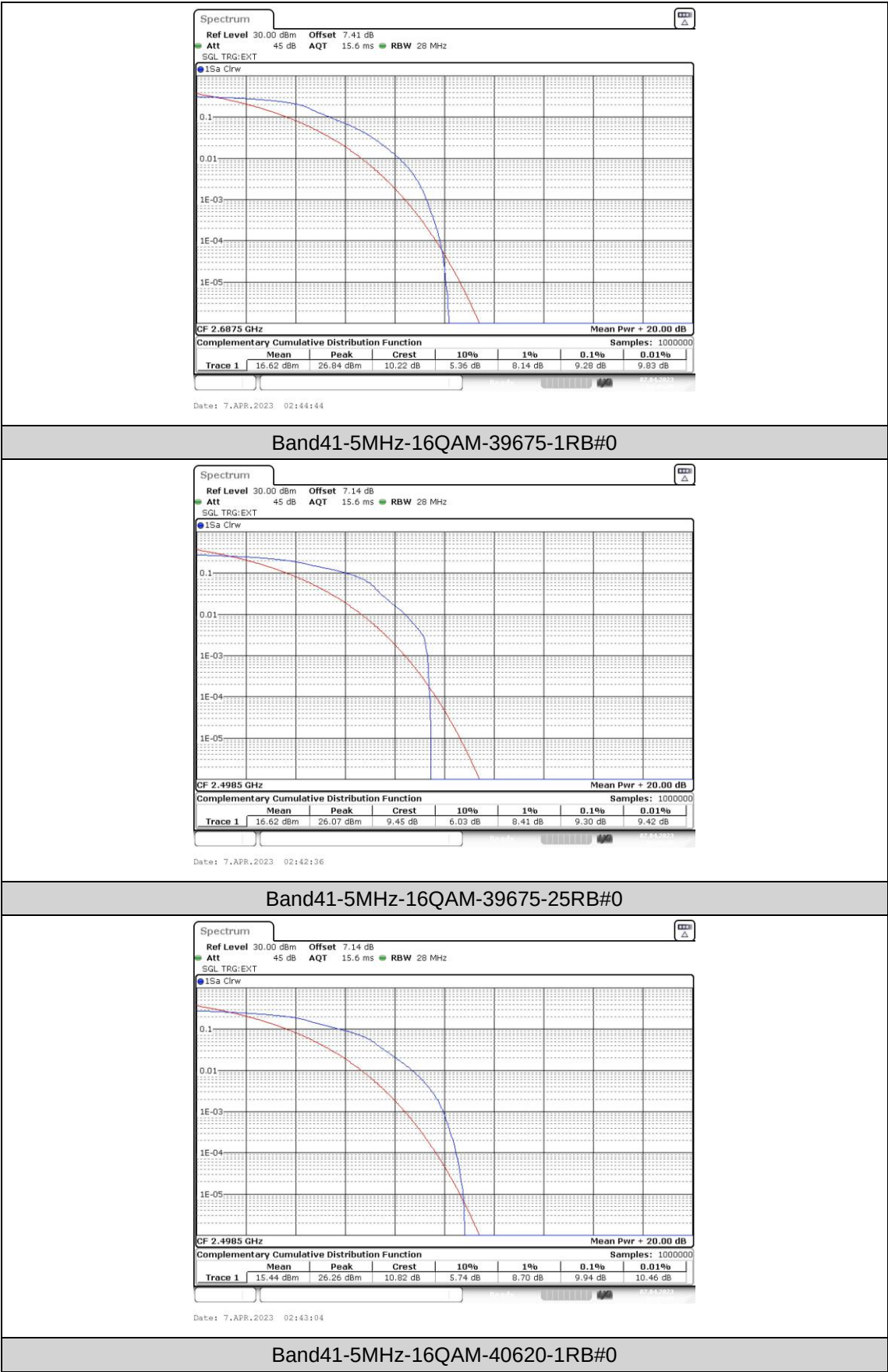
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.86	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.16	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.94	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.07	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.97	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.28	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.30	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.94	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.07	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.83	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.51	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	10.03	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.88	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.16	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.86	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.04	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.97	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.22	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.36	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	10.00	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.42	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.88	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.65	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.06	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.86	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.36	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	7.80	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.25	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.00	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.42	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.36	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.14	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.45	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.00	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.62	13	PASS

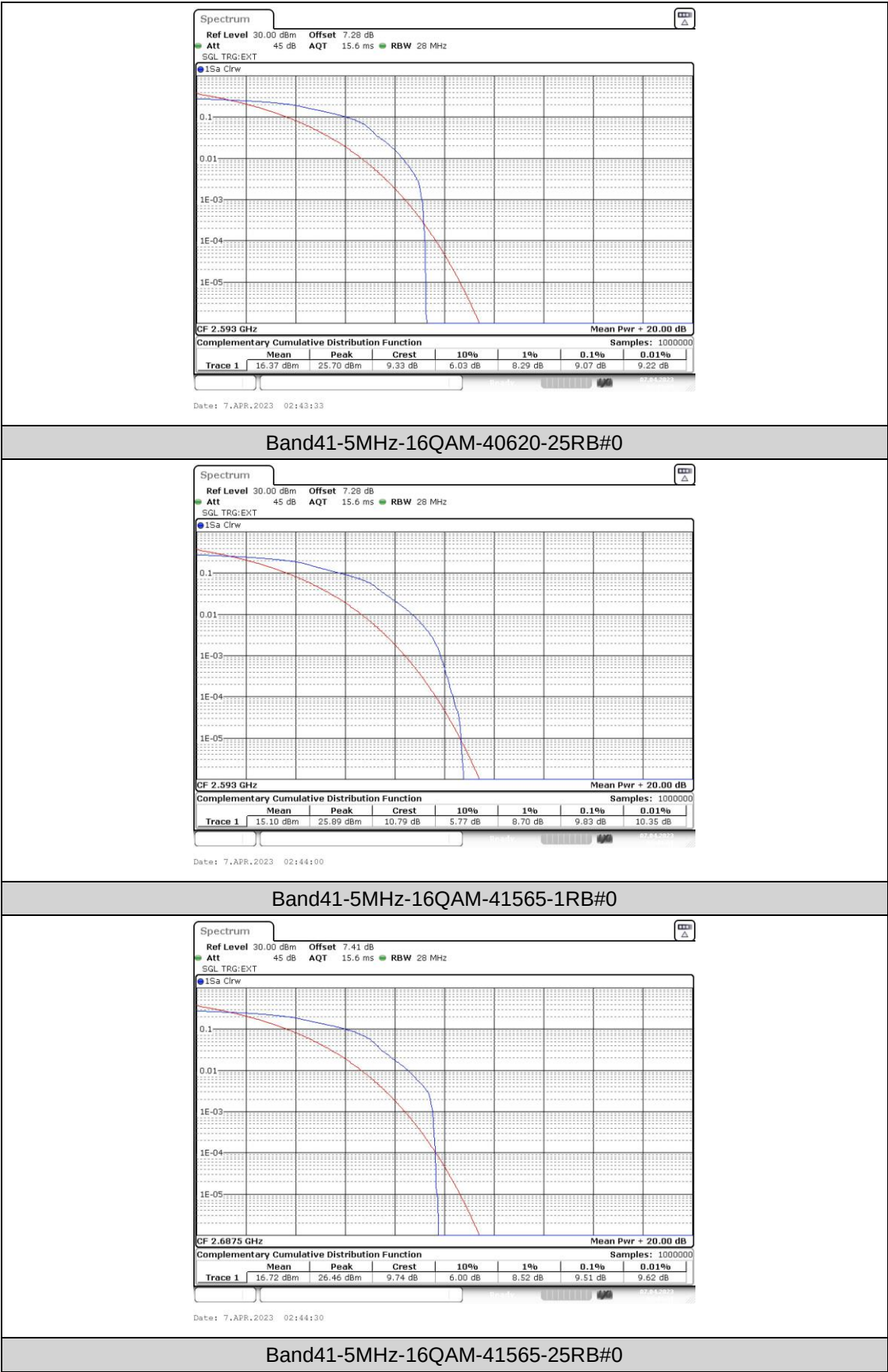
Band41	15MHz	16QAM	41515	75RB#0	10.20	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.80	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.13	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.86	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.04	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.97	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.39	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.03	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.65	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.91	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.57	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.09	13	PASS

Test Graphs



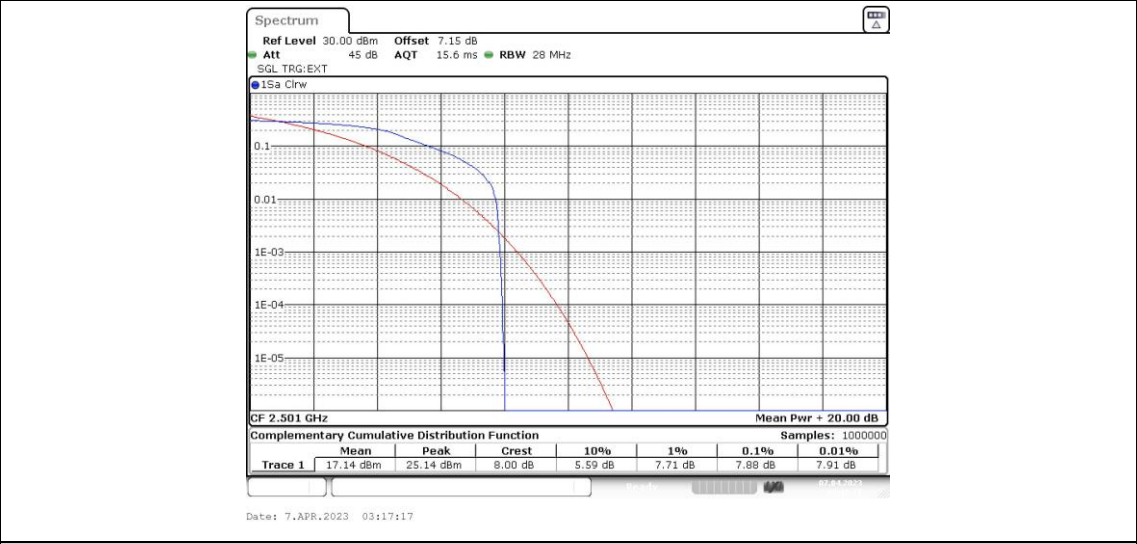




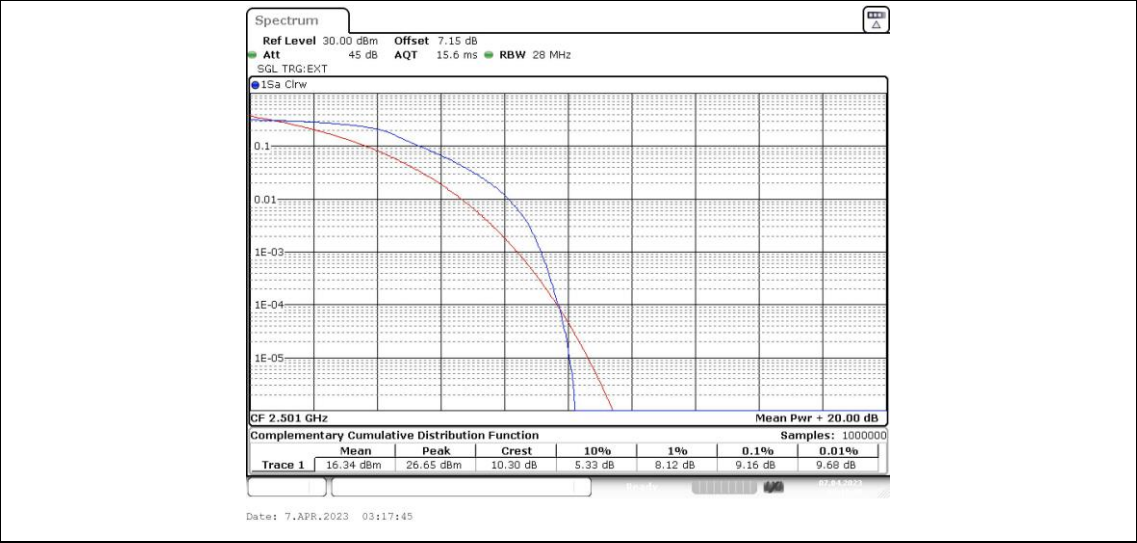




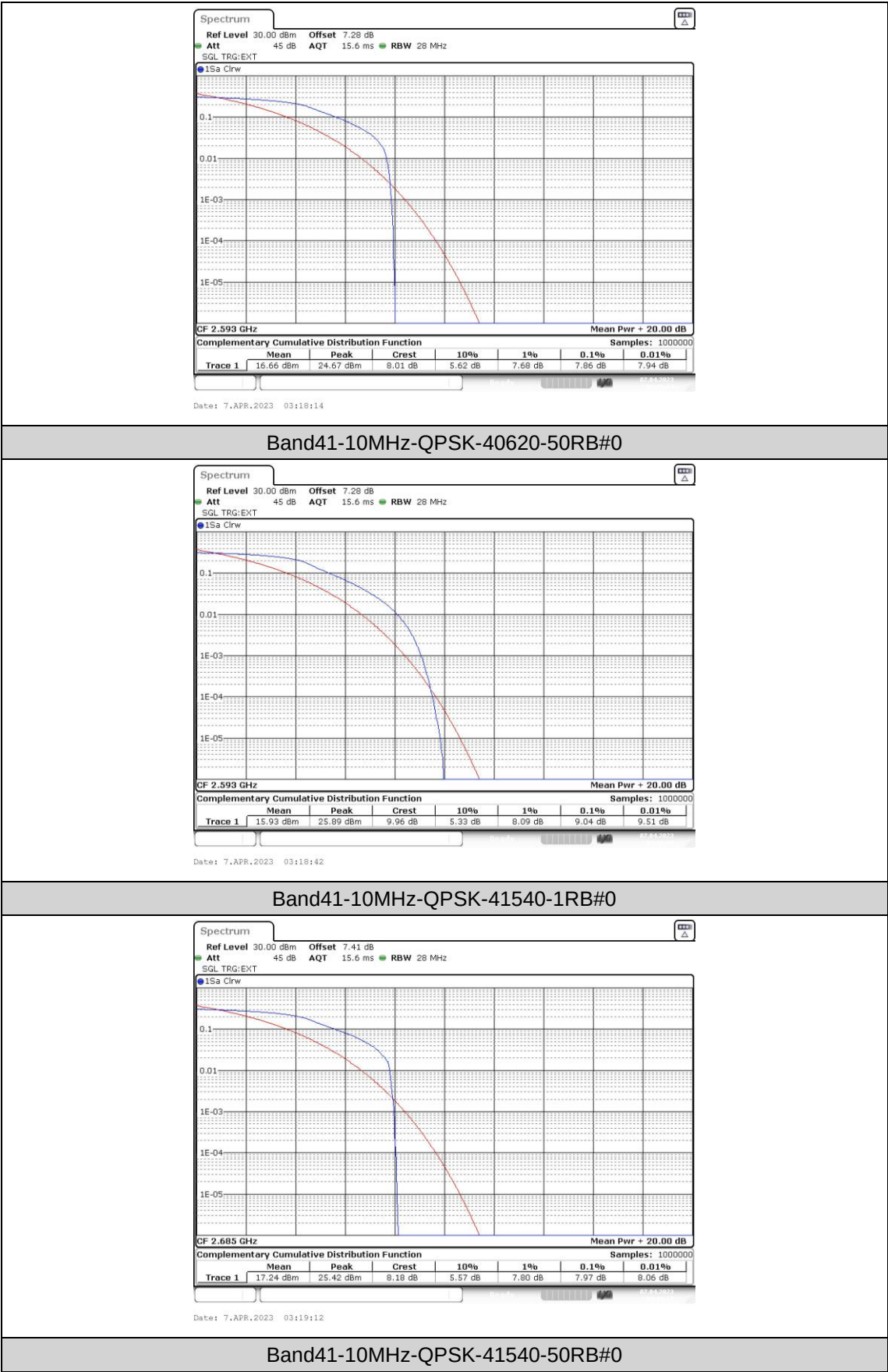
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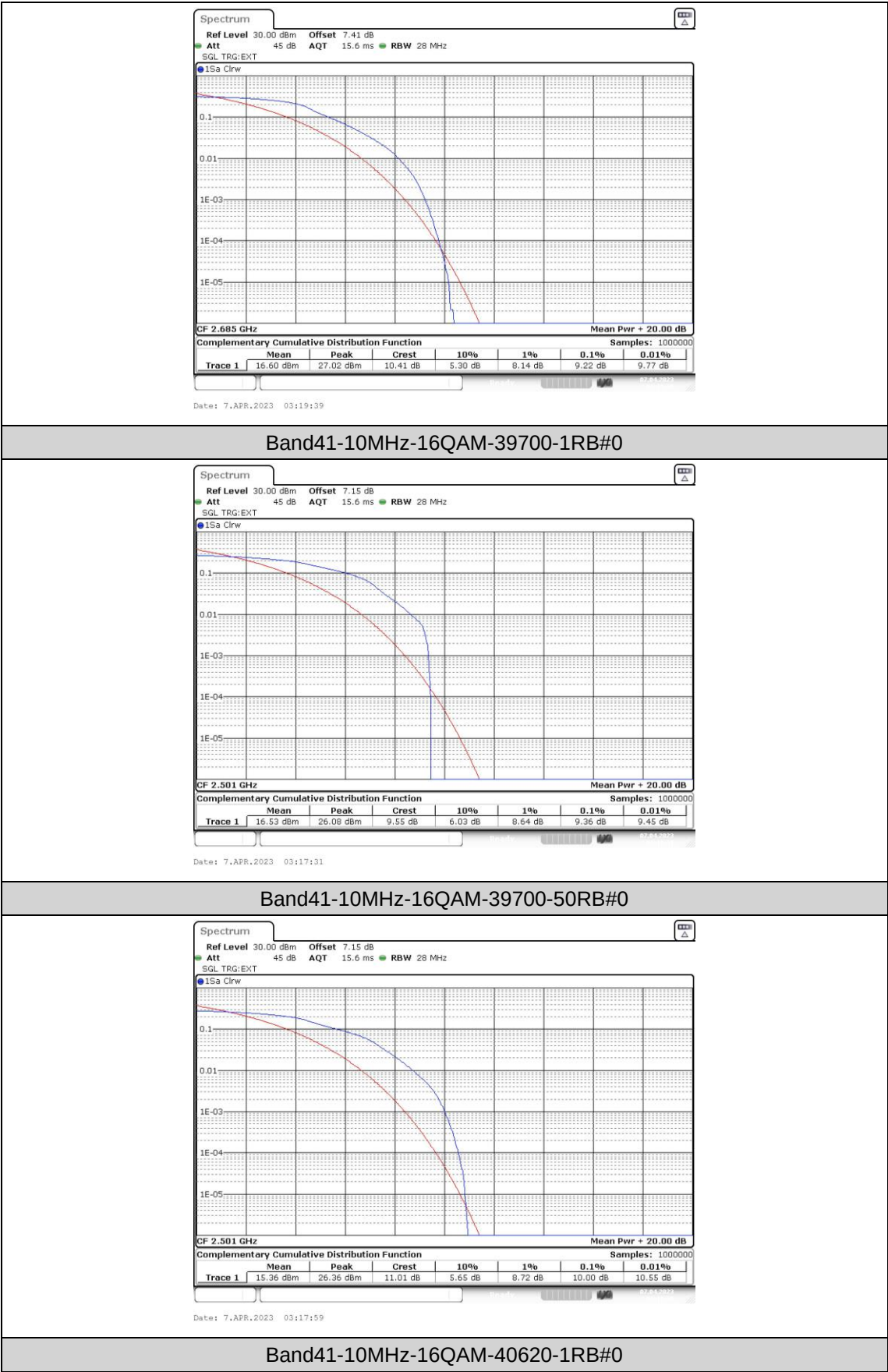


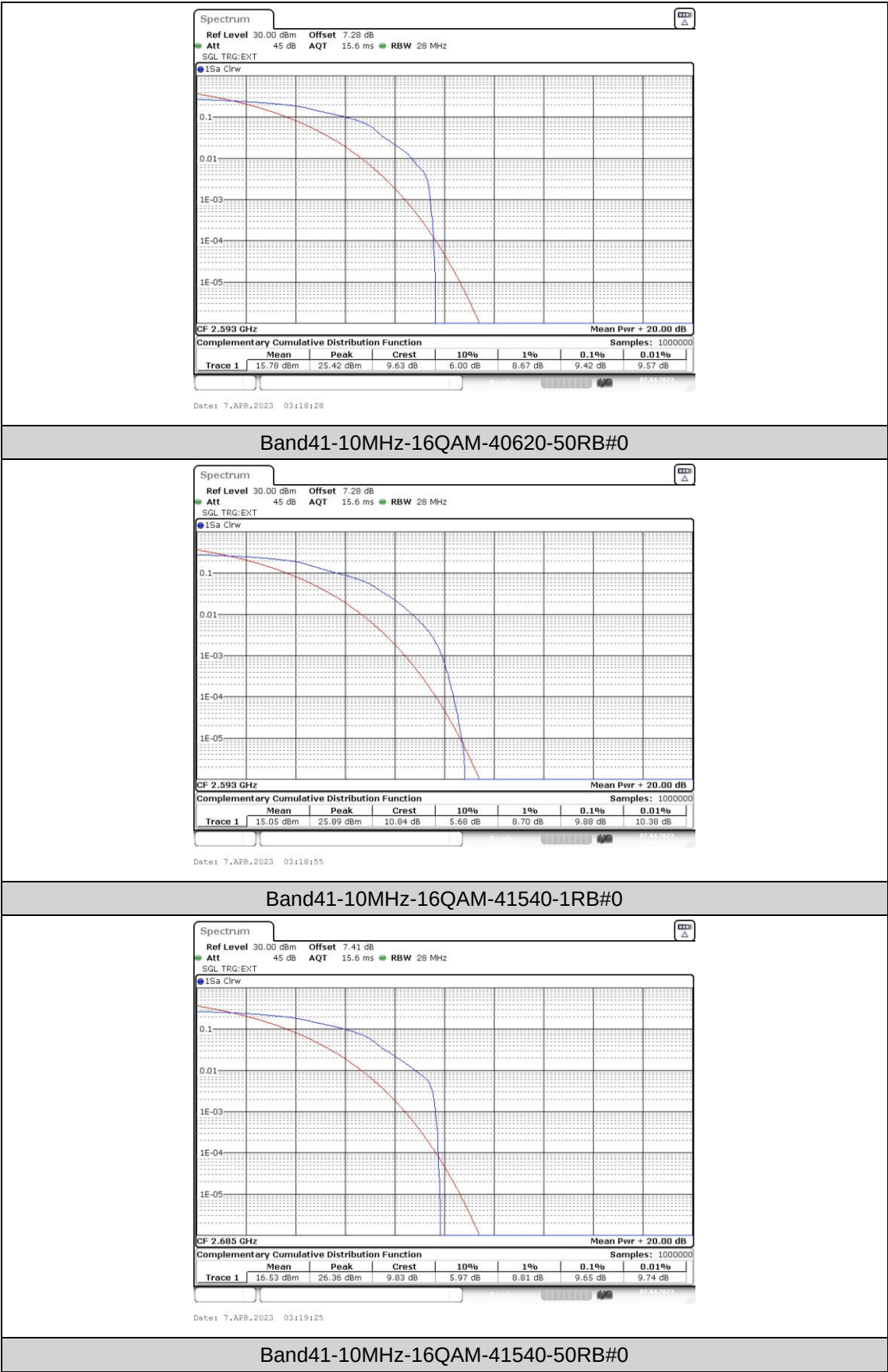
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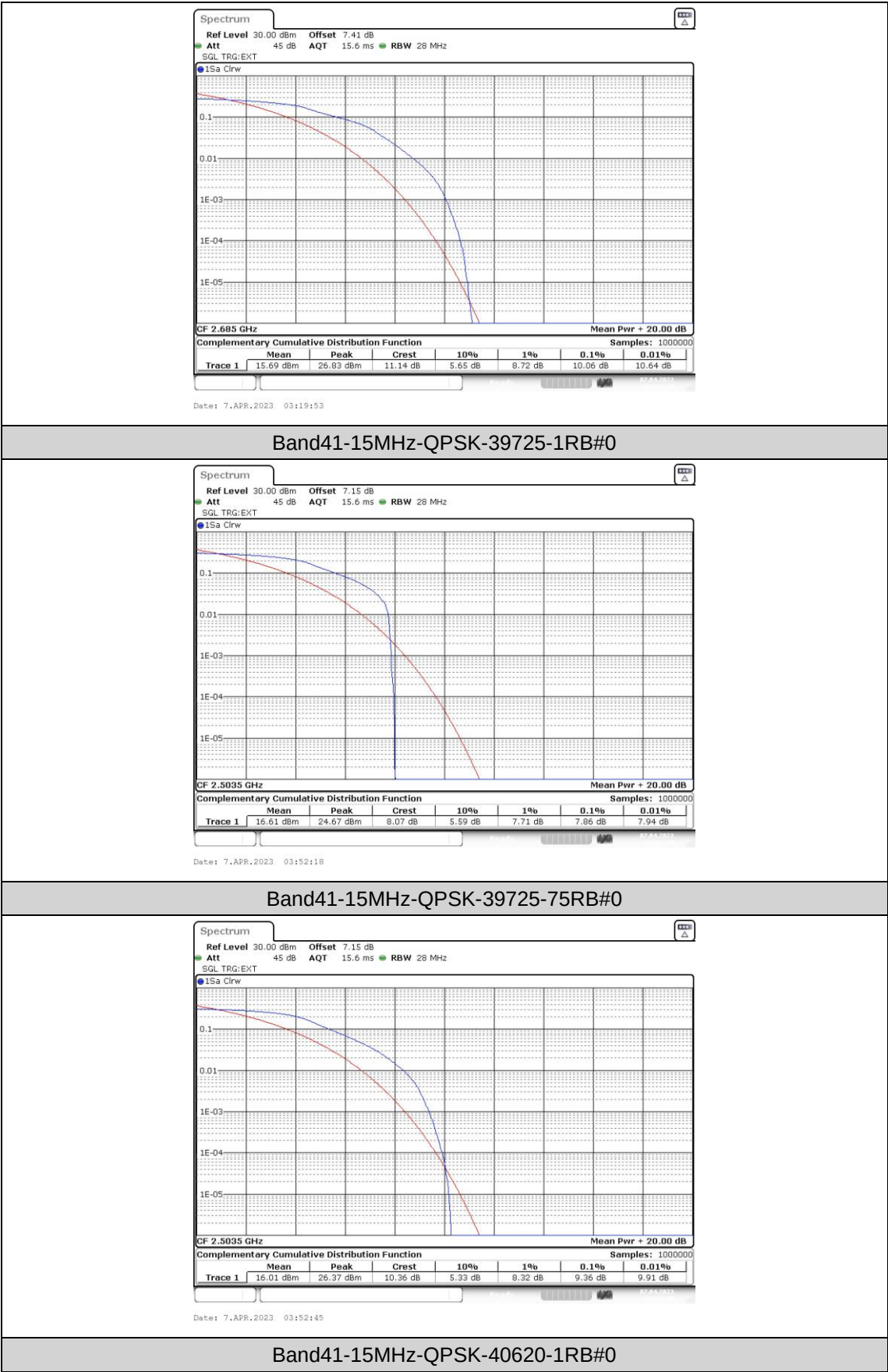


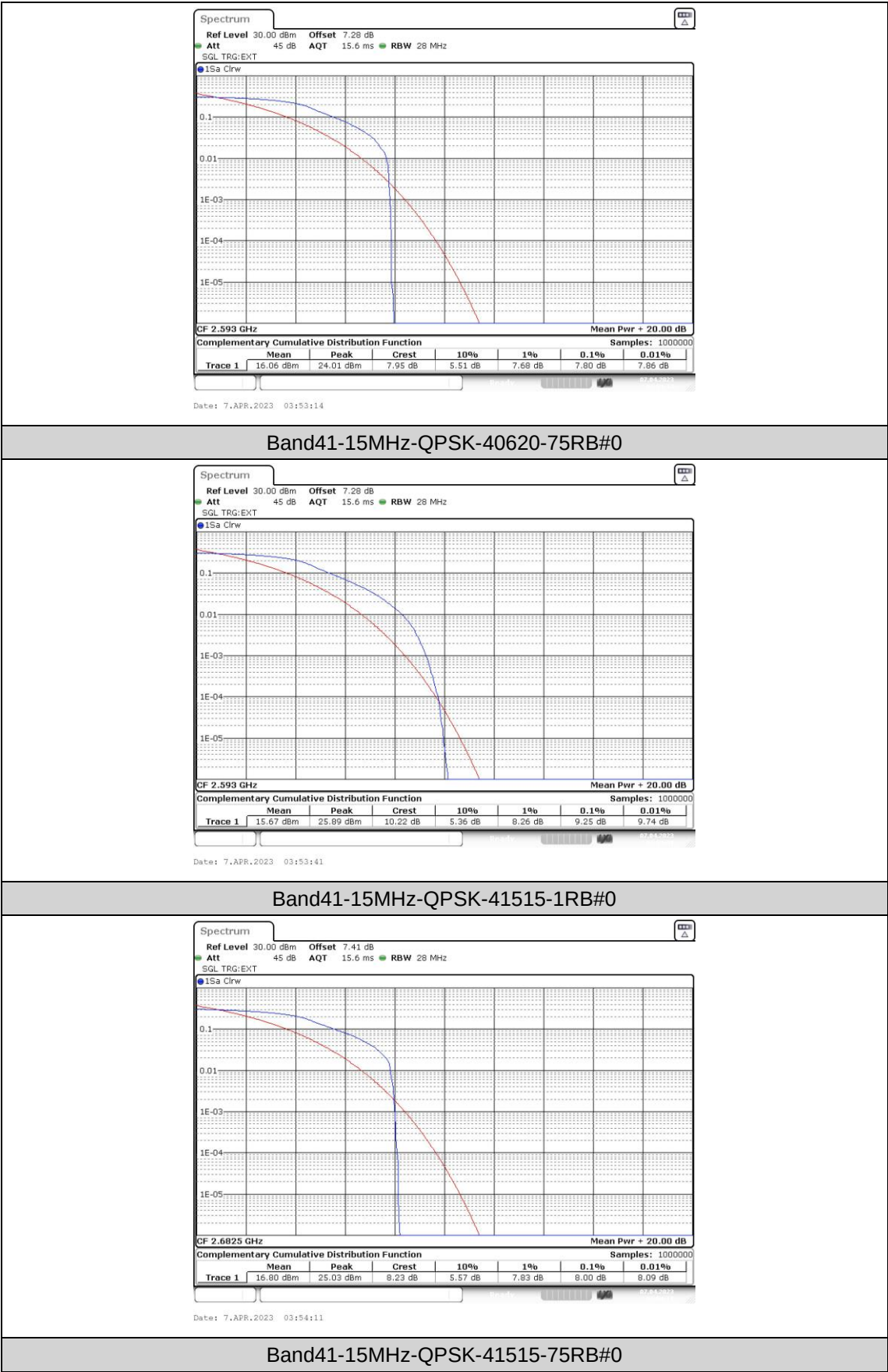
Band41-10MHz-QPSK-40620-1RB#0

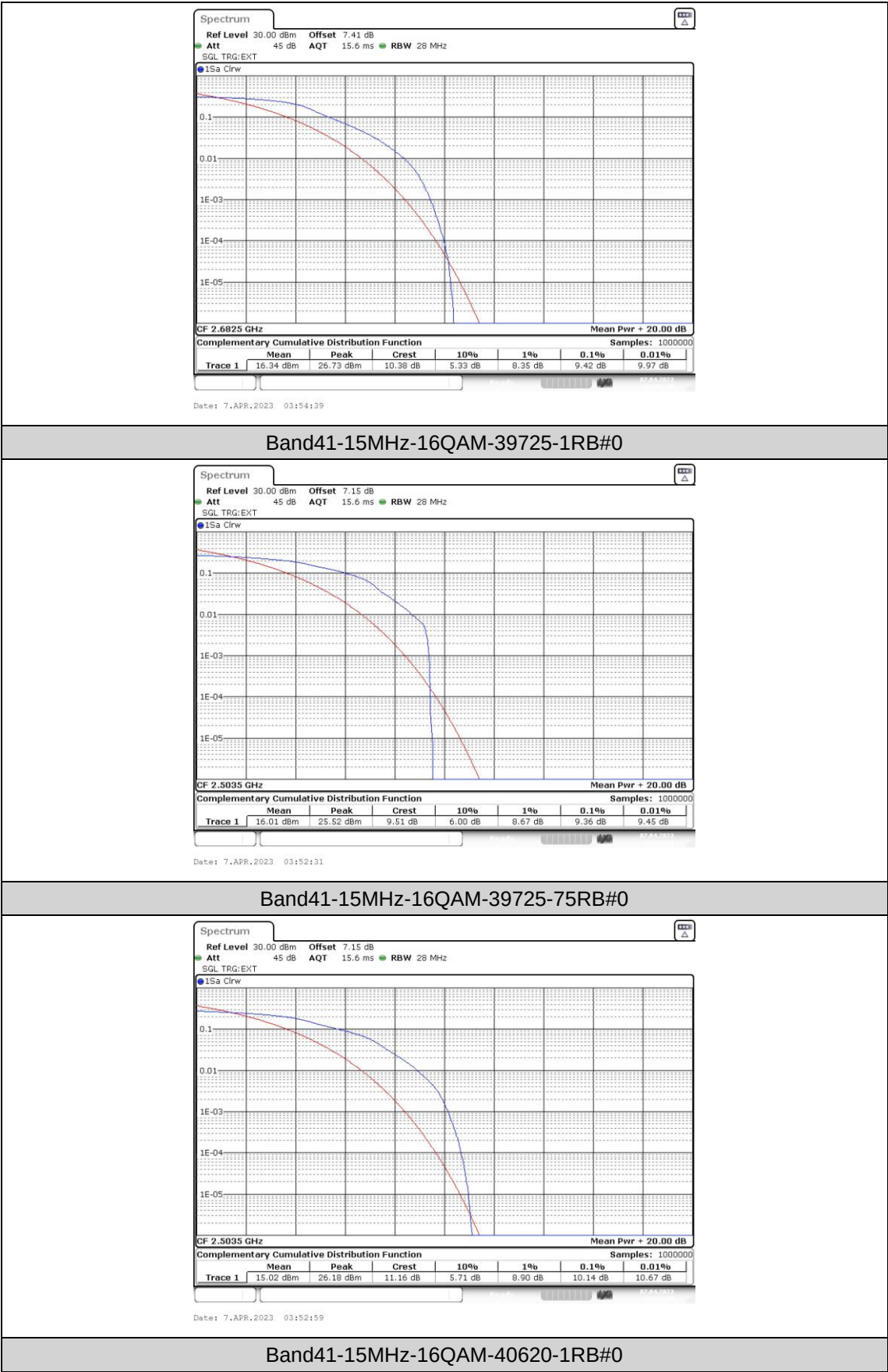


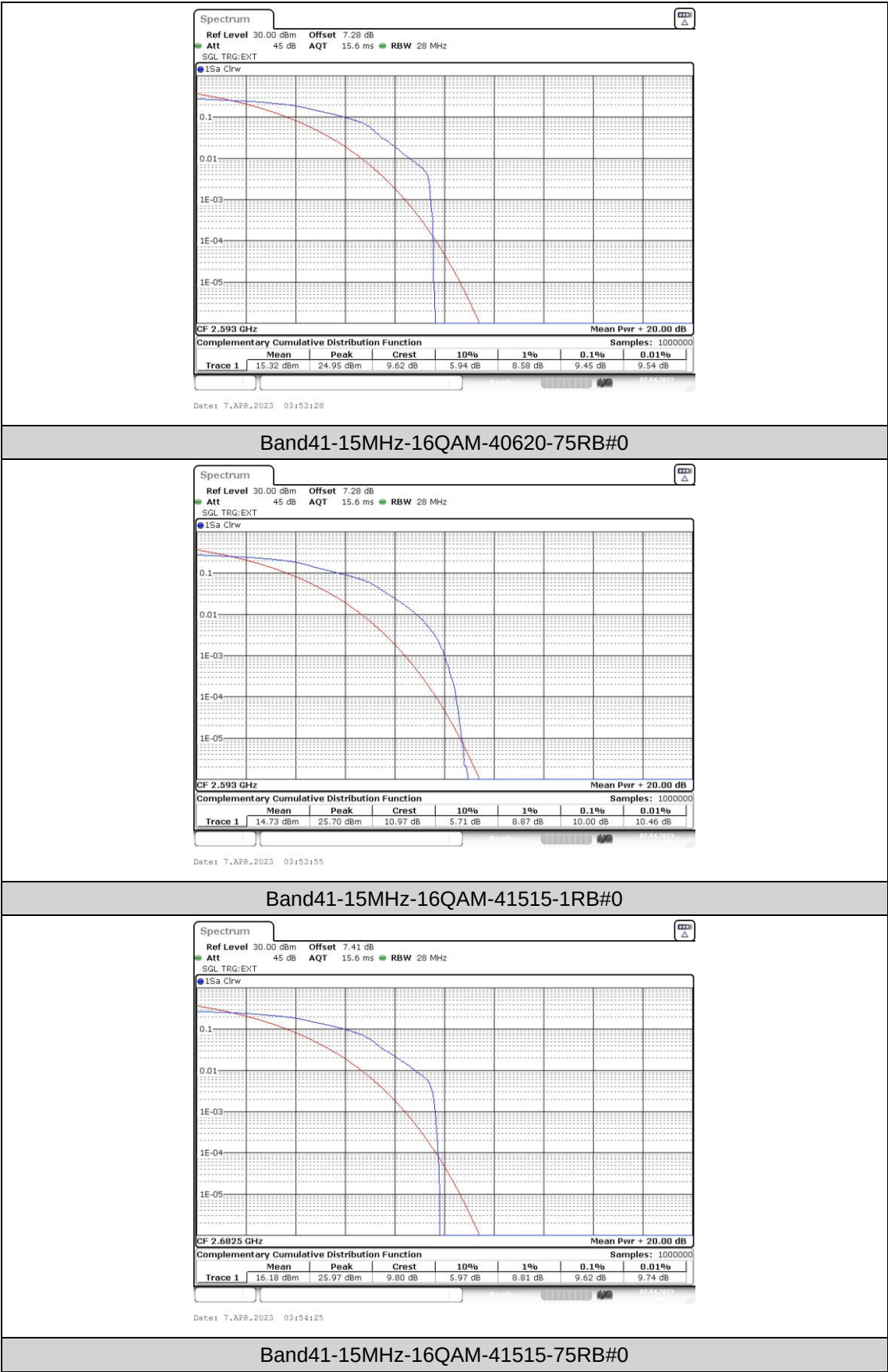


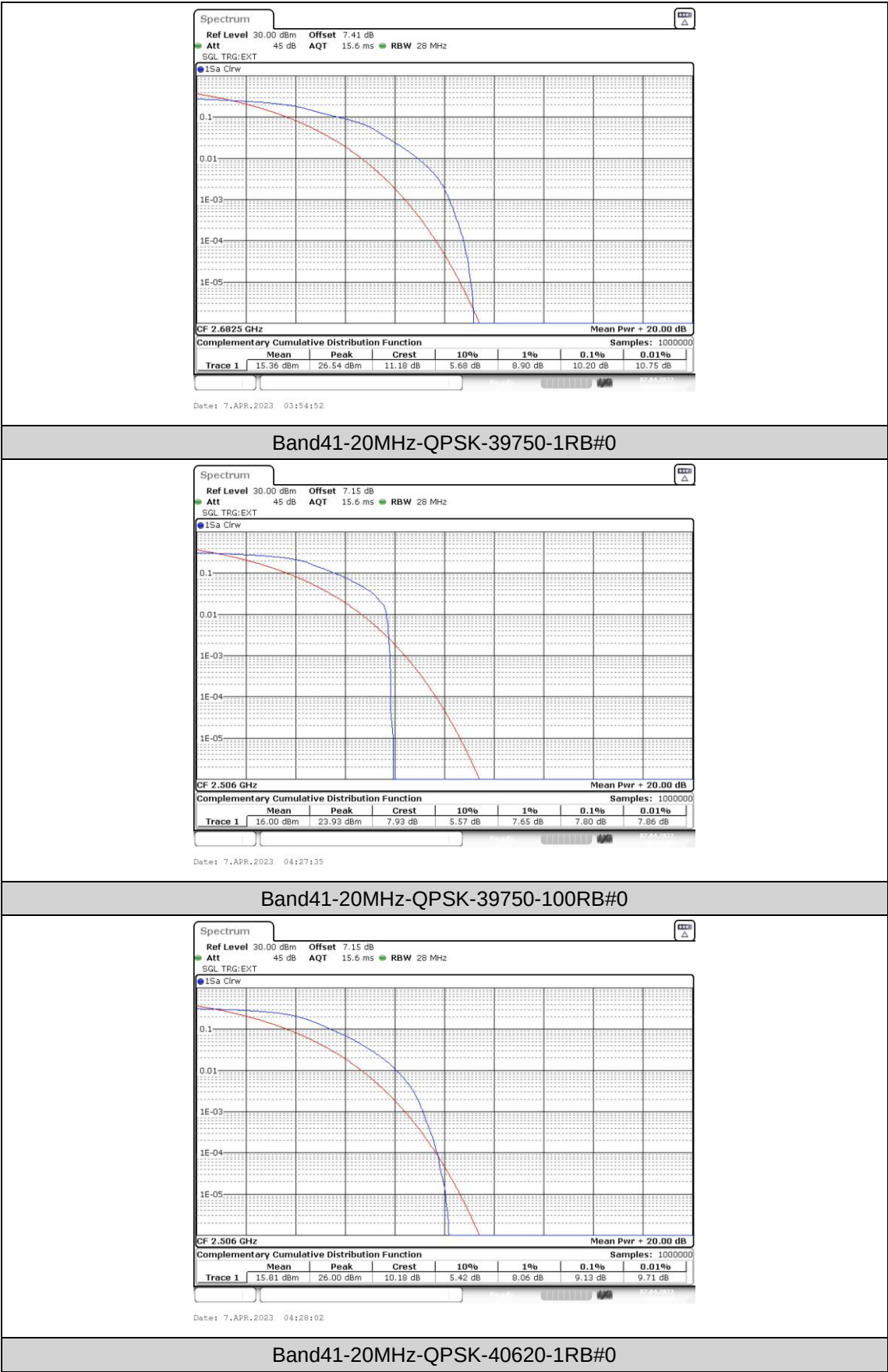


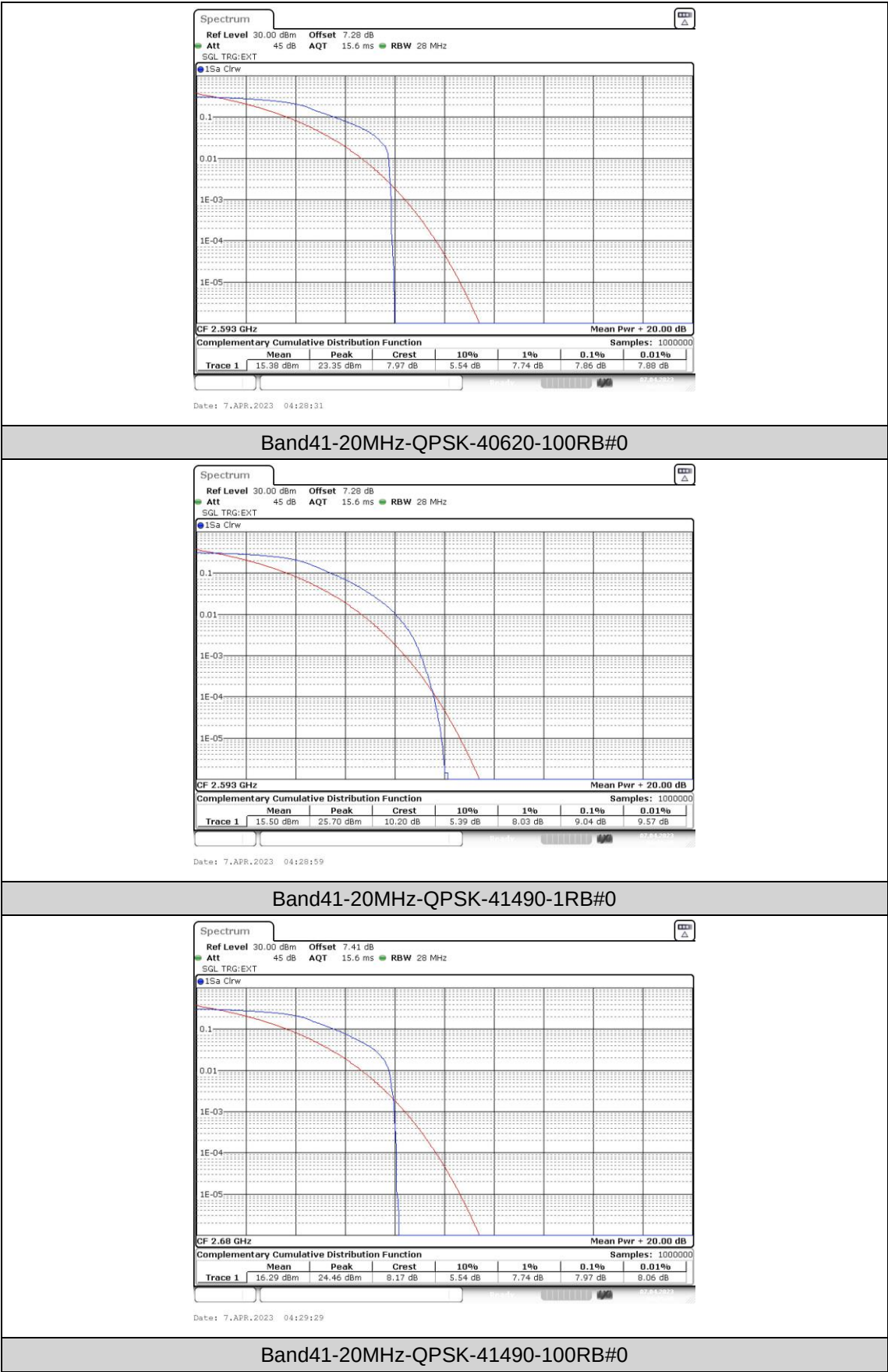


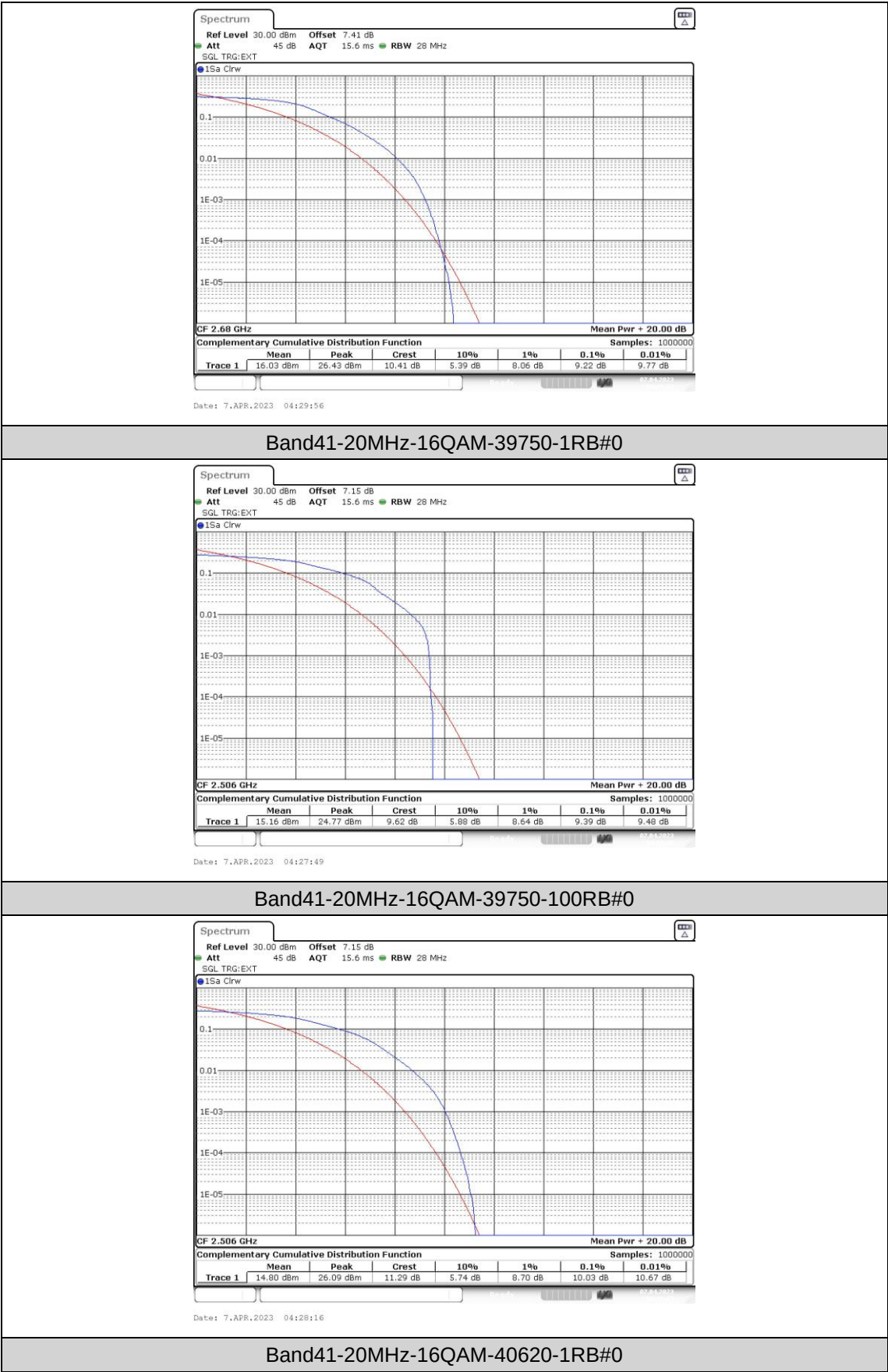


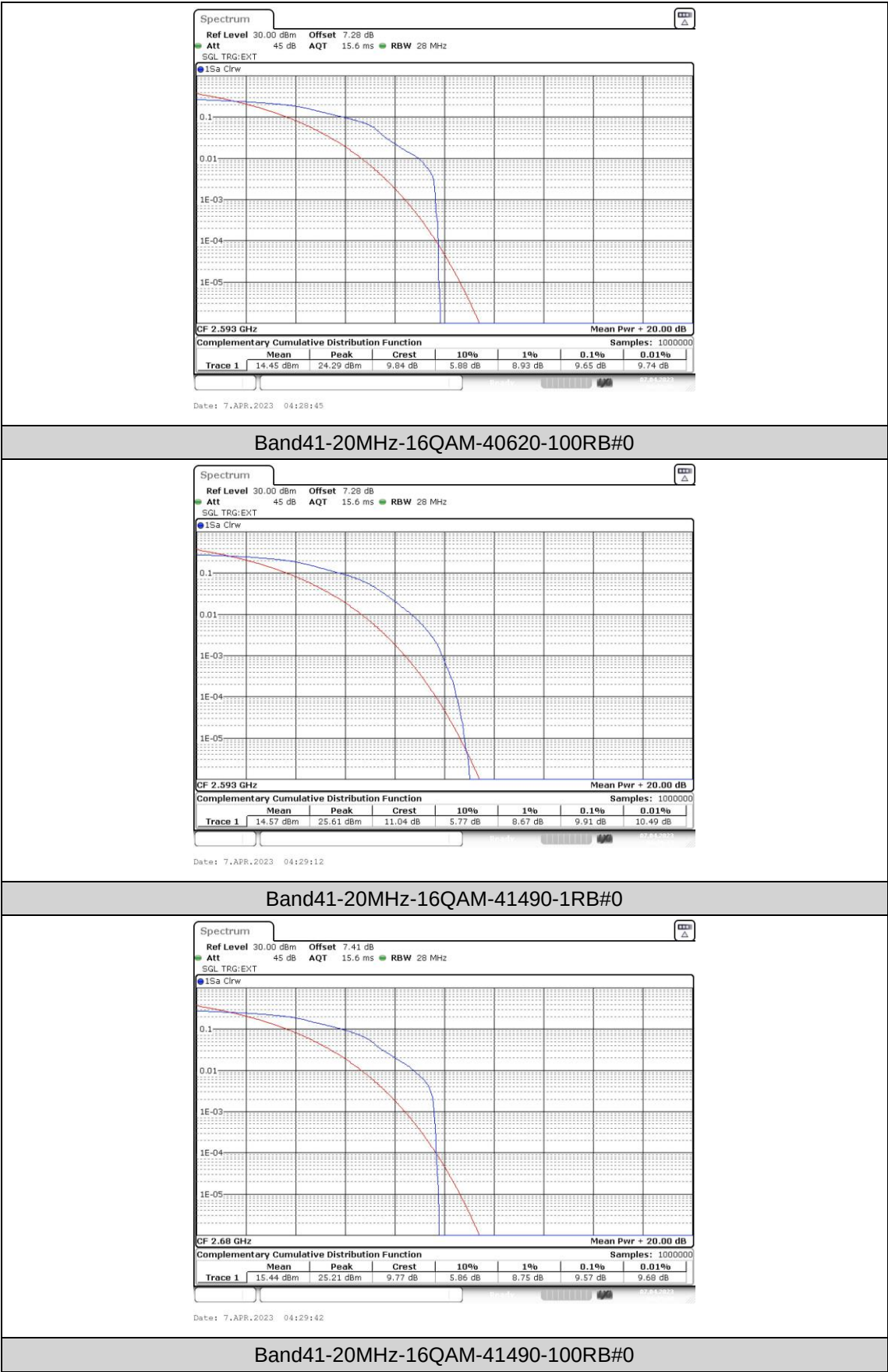












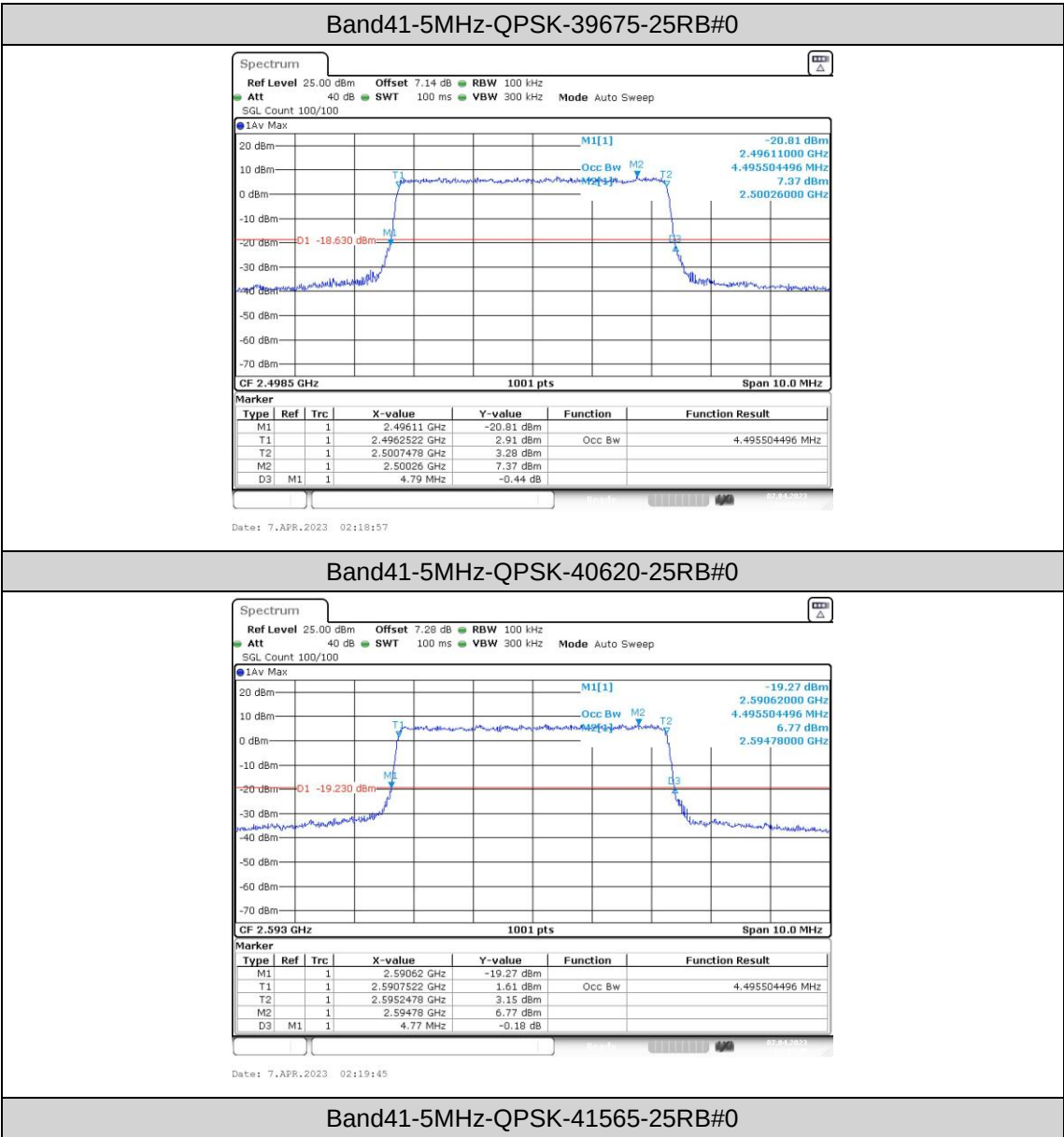


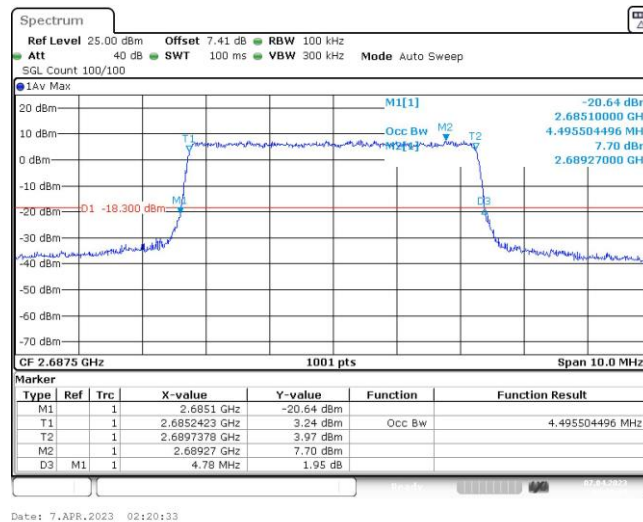
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

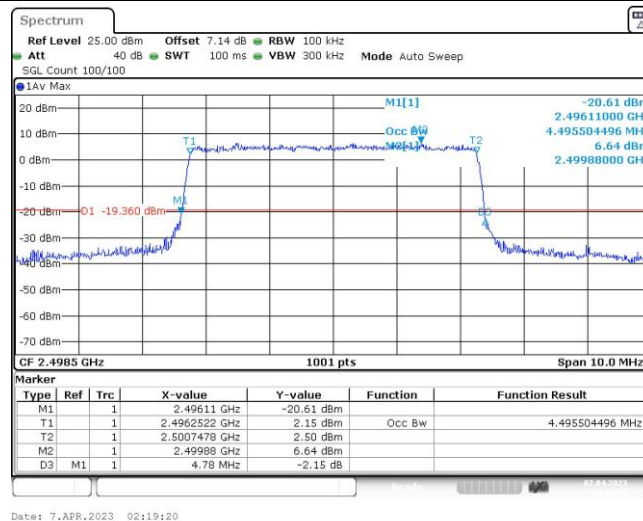
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.496	4.79	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.496	4.77	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.496	4.78	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	4.78	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.78	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.496	4.77	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.952	9.53	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.952	9.53	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.985	9.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.952	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	13.428	14.30	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.428	14.30	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.478	14.30	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.037	19.33	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.037	19.33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.97	19.33	PASS

Test Graphs

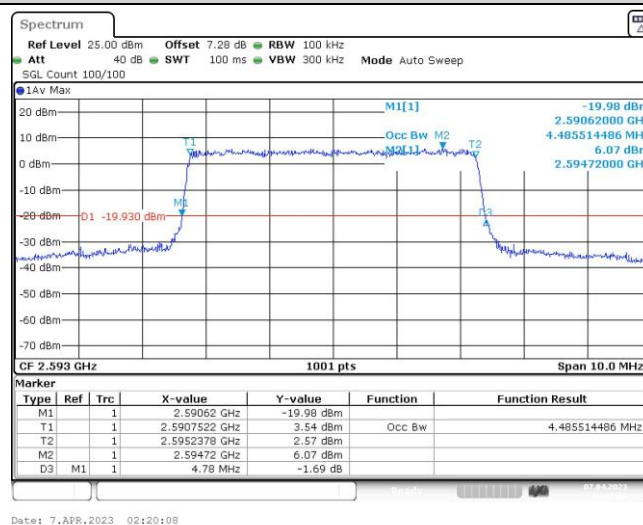




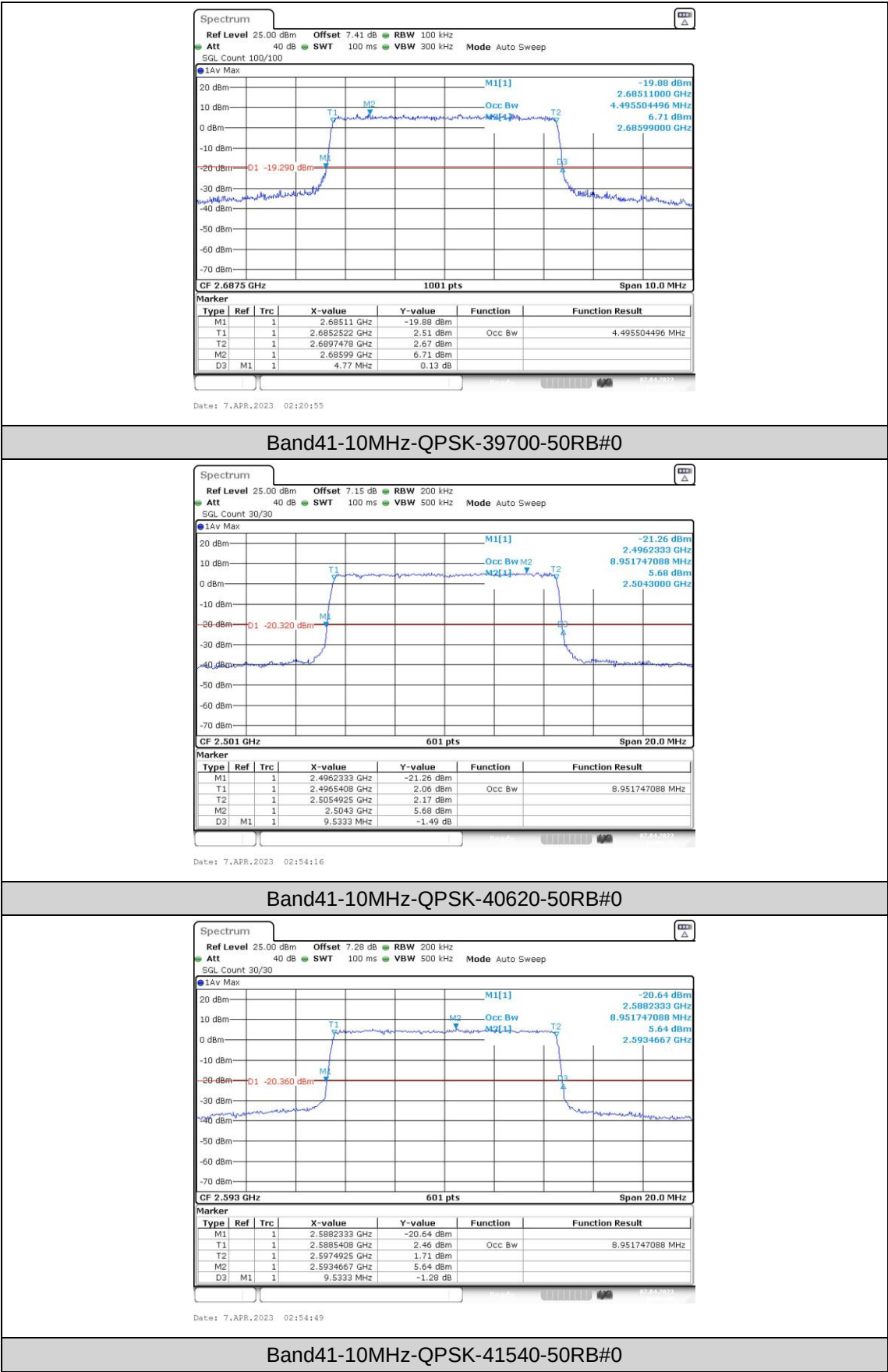
Band41-5MHz-16QAM-39675-25RB#0

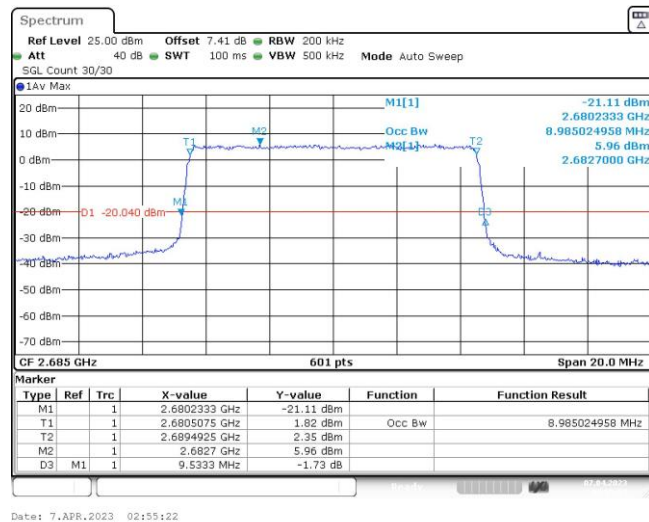


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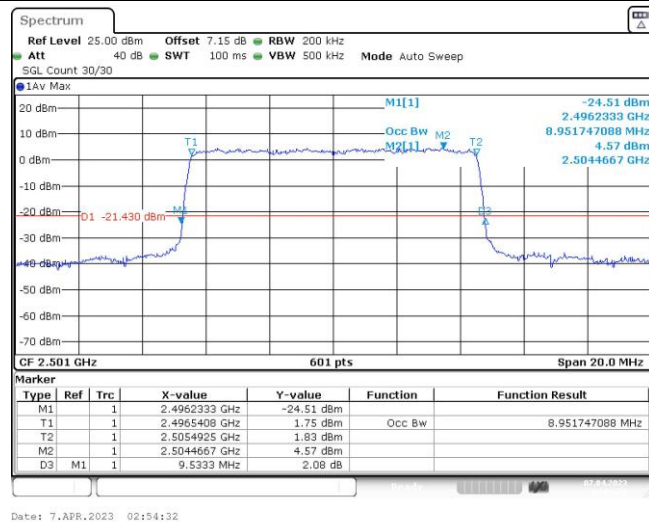


Band41-5MHz-16QAM-41565-25RB#0

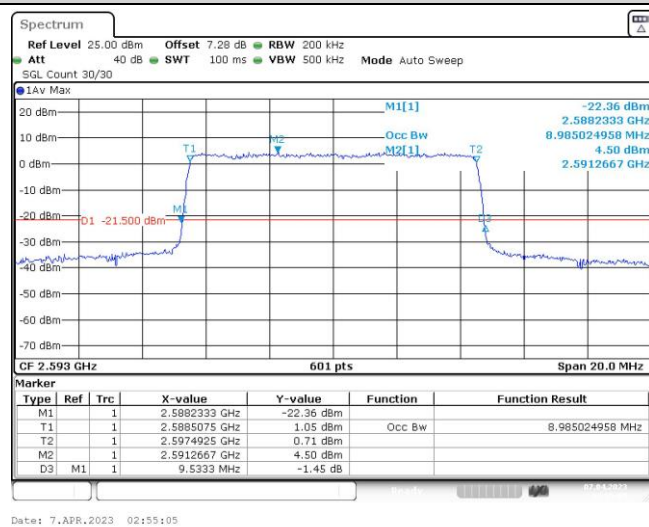




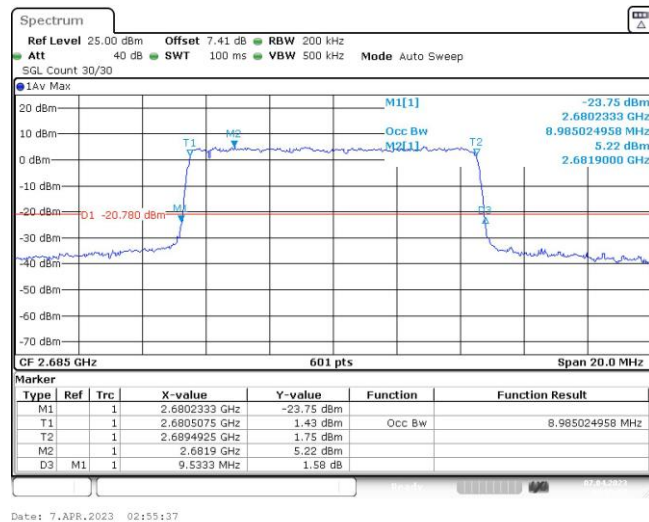
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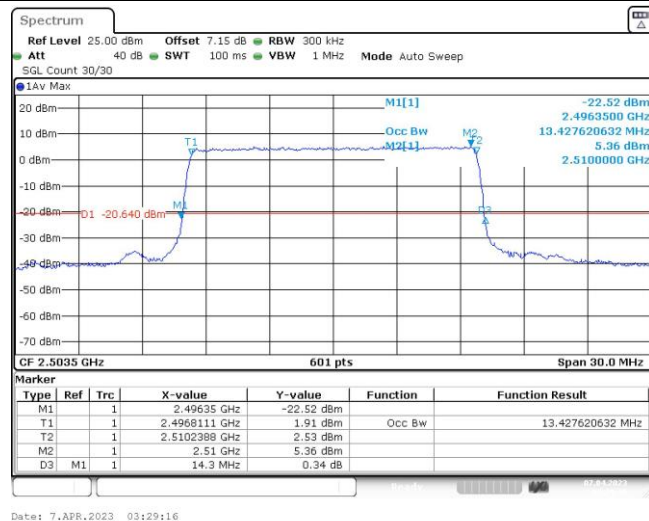
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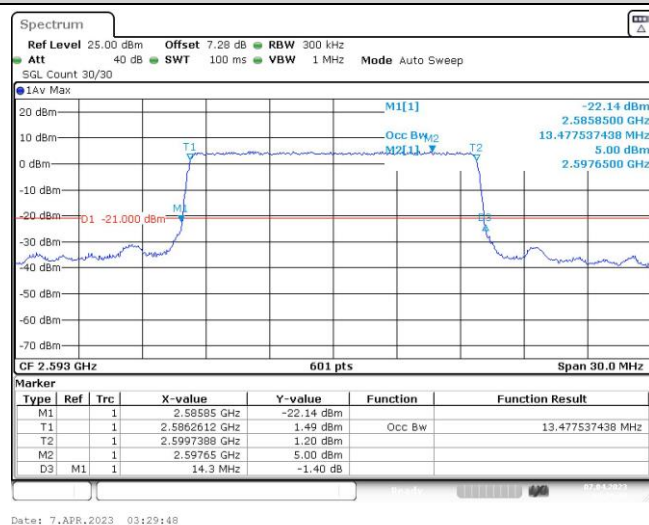
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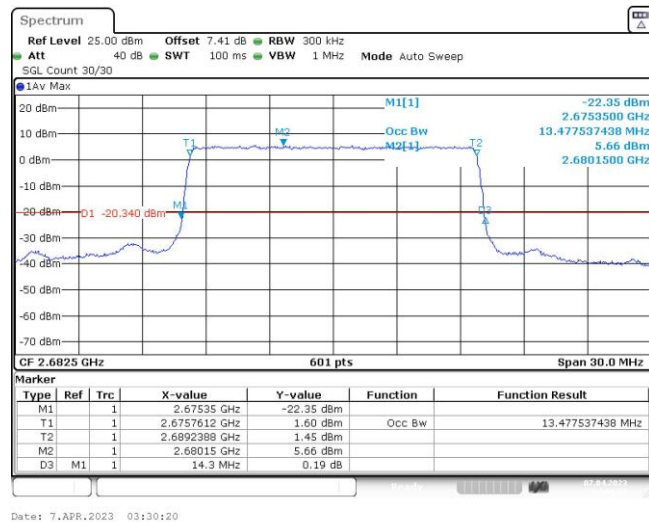
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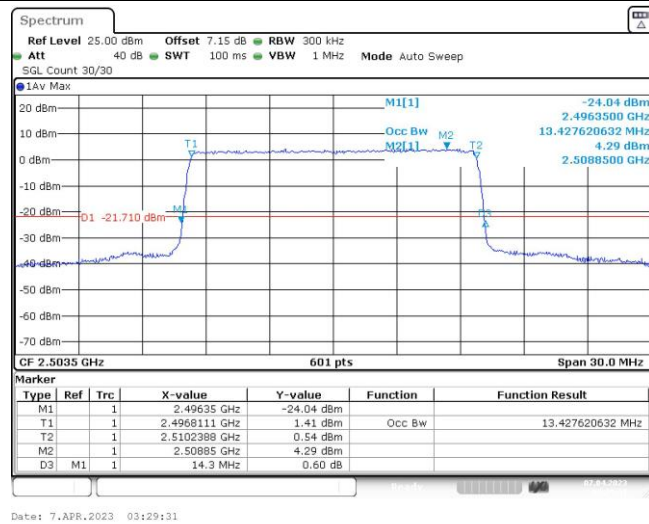
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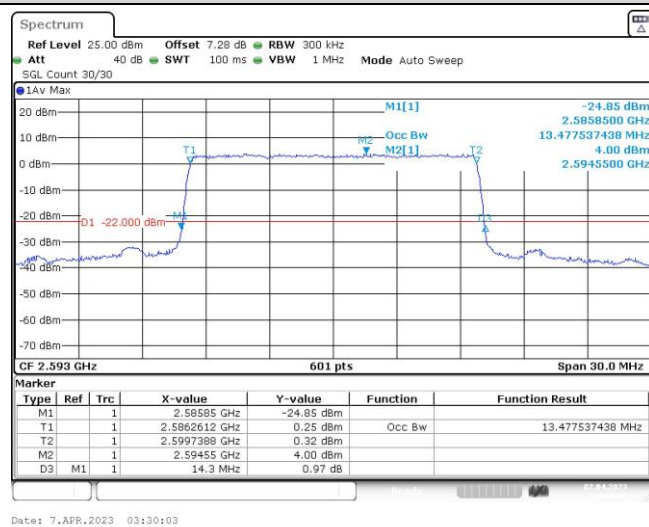
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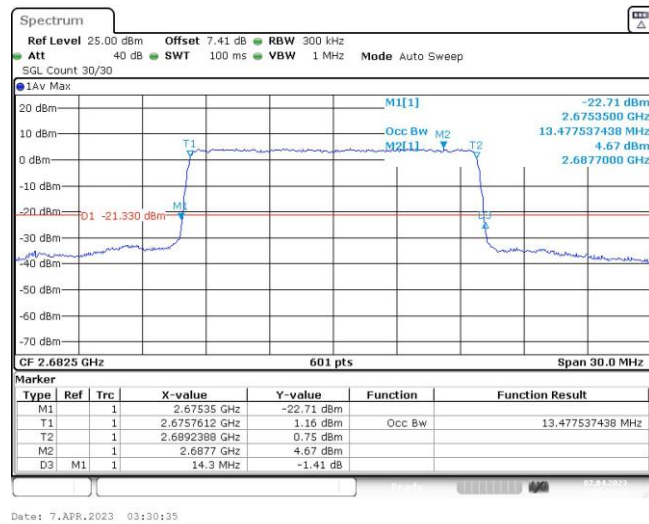
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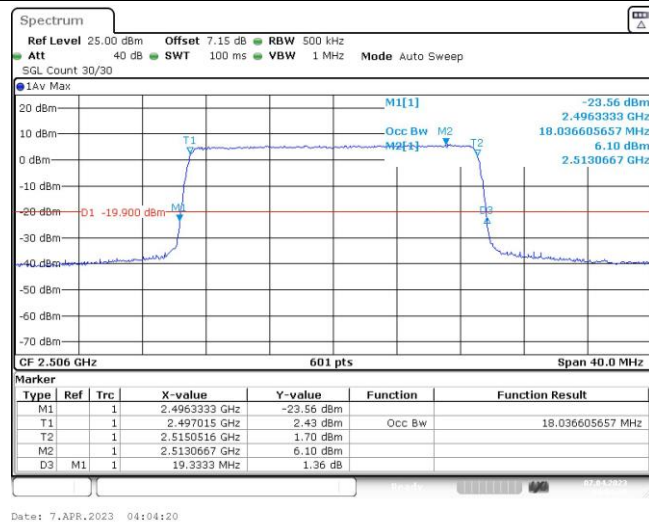
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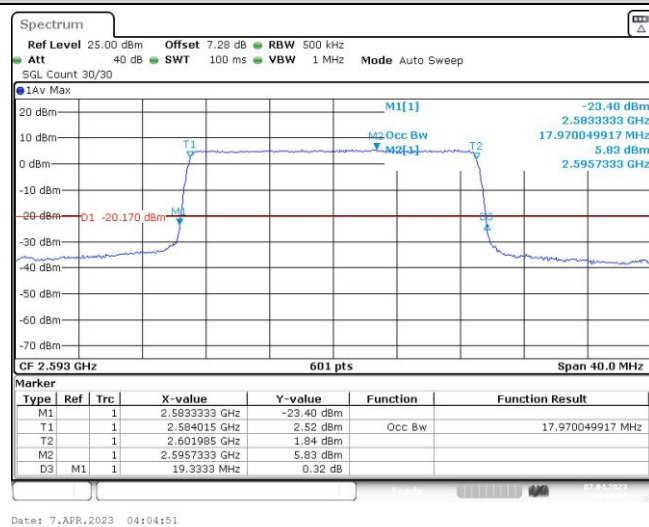
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Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-40620-100RB#0



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