

Appendix for LTE Band 41

Product Name: Rugged Android Tablet

Model No: UA80

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.38	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.88	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.49	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.68	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.36	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.74	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.47	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.38	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.47	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.43	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.44	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.38	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.46	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.48	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.50	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.84	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.29	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.85	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.33	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.86	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.52	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.58	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.67	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.57	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.53	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.58	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.58	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.55	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.44	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.64	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.41	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.69	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.33	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.62	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.38	PASS

Band41	5MHz	16QAM	41565	12RB#0	20.50	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.39	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.32	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.32	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.42	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.38	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.44	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.48	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.67	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.39	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.61	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.34	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.58	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.48	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.54	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.44	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.55	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.48	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.56	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.45	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.53	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.56	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.44	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.43	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.27	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.40	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.18	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.56	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.58	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.48	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.59	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.53	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.59	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.54	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.61	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.35	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.53	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.25	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.47	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.30	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.52	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.34	PASS

Band41	10MHz	16QAM	41540	25RB#0	20.59	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.44	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.50	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.35	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.45	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.34	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.38	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.05	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.27	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.22	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.41	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.70	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.97	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.41	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.42	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.39	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.33	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.32	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.38	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.45	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.47	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.28	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.18	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.56	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.39	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.01	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.83	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.58	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.55	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.55	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.53	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.55	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.53	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.56	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.60	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.14	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.27	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.42	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.63	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.94	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.36	PASS

Band41	15MHz	16QAM	41515	38RB#0	21.35	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.34	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.41	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.34	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.44	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.46	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.52	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.40	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.42	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.59	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.34	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.94	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.93	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.39	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.39	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.33	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.42	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.38	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.27	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.39	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.37	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.42	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.99	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.47	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.03	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.88	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.57	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.50	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.60	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.45	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.63	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.42	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.34	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.48	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.45	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.44	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.40	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.26	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.19	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.78	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.77	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.07	PASS

Band41	20MHz	16QAM	41490	50RB#0	21.21	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.16	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.23	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.11	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.09	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.24	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.16	PASS

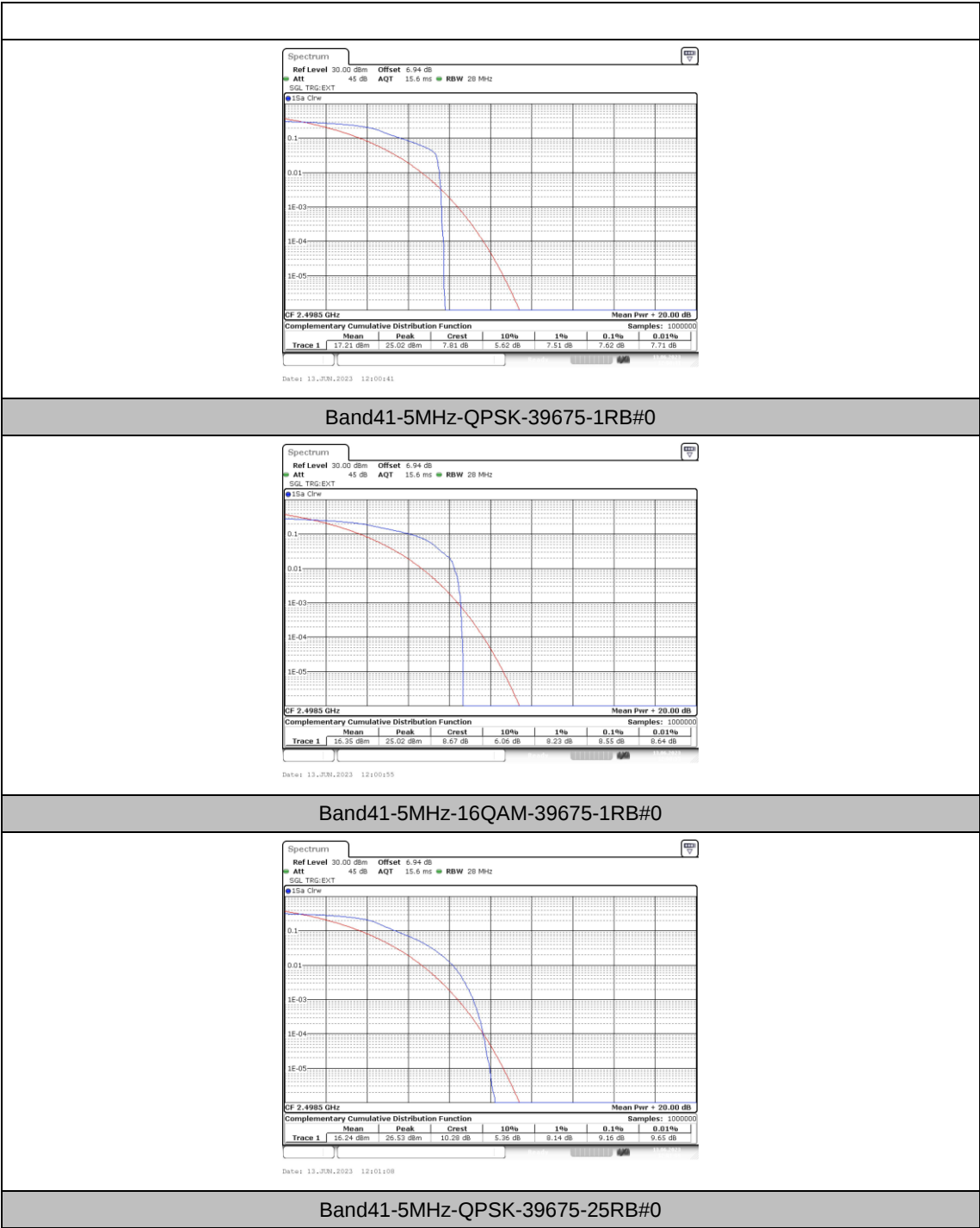
Appendix B: Peak-to-Average Ratio(CCDF)

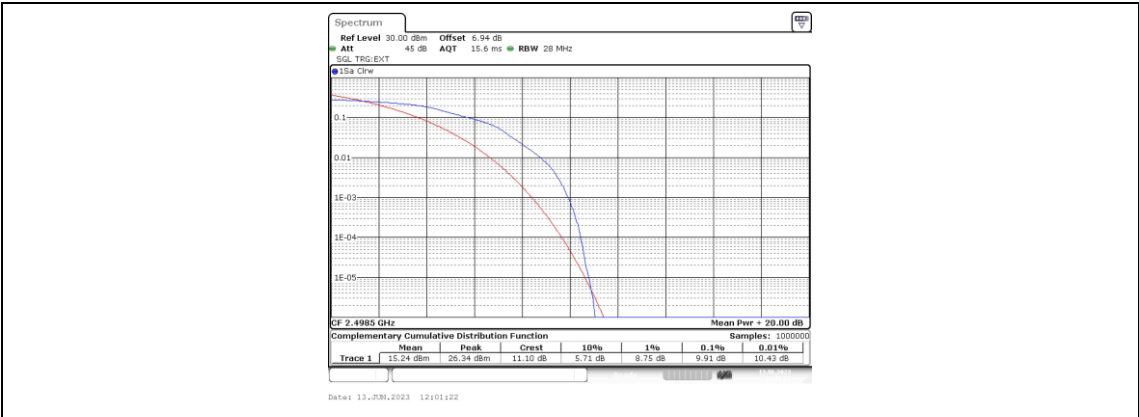
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.62	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.55	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.16	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.91	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.62	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.23	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.10	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.86	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.57	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.35	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.10	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.86	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.59	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.46	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.10	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.91	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.54	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.58	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.07	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.86	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.54	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.41	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.04	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.88	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.59	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.52	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.13	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.91	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	7.57	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.43	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.07	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.83	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.54	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.43	13	PASS

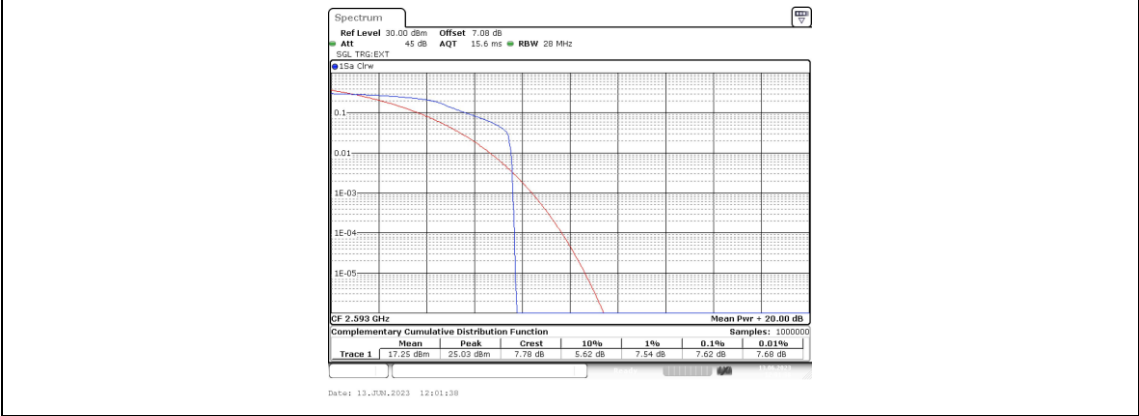
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Band41	15MHz	16QAM	41515	75RB#0	9.83	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.57	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.46	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.93	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.77	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.51	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.58	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.87	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.71	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.51	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.46	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.84	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.71	13	PASS

Test Graphs

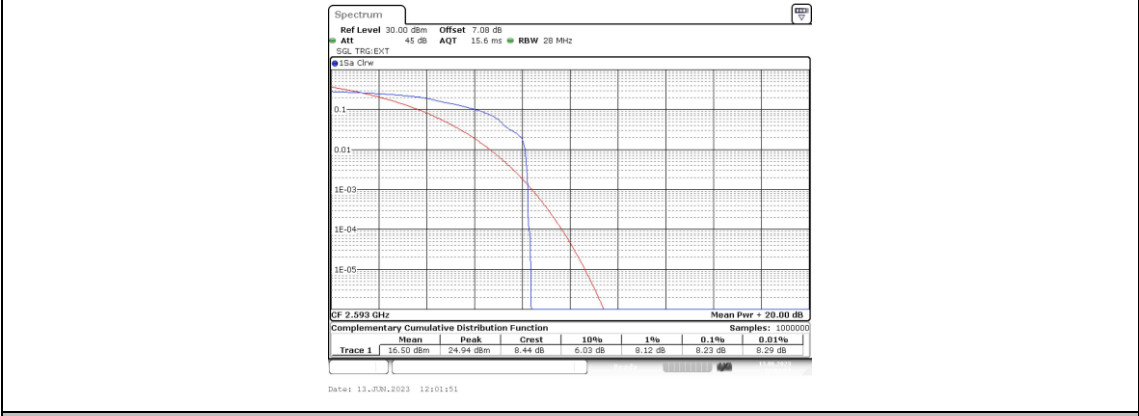




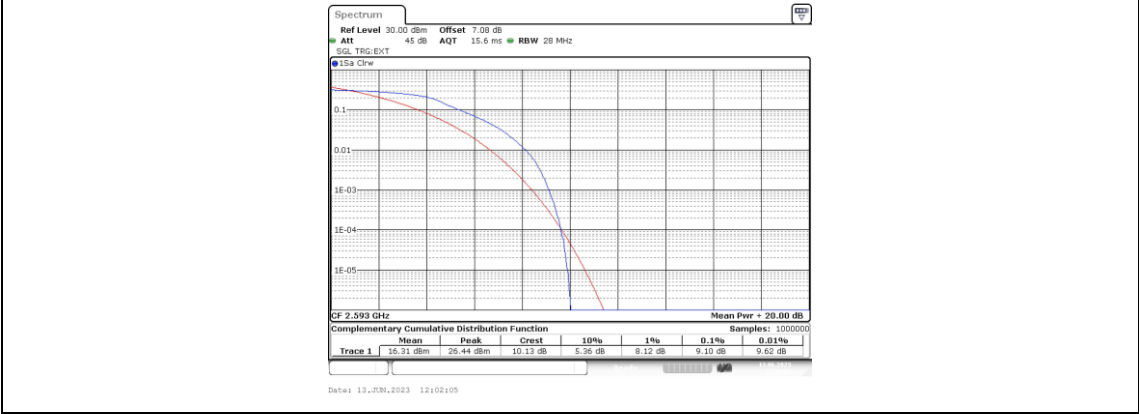
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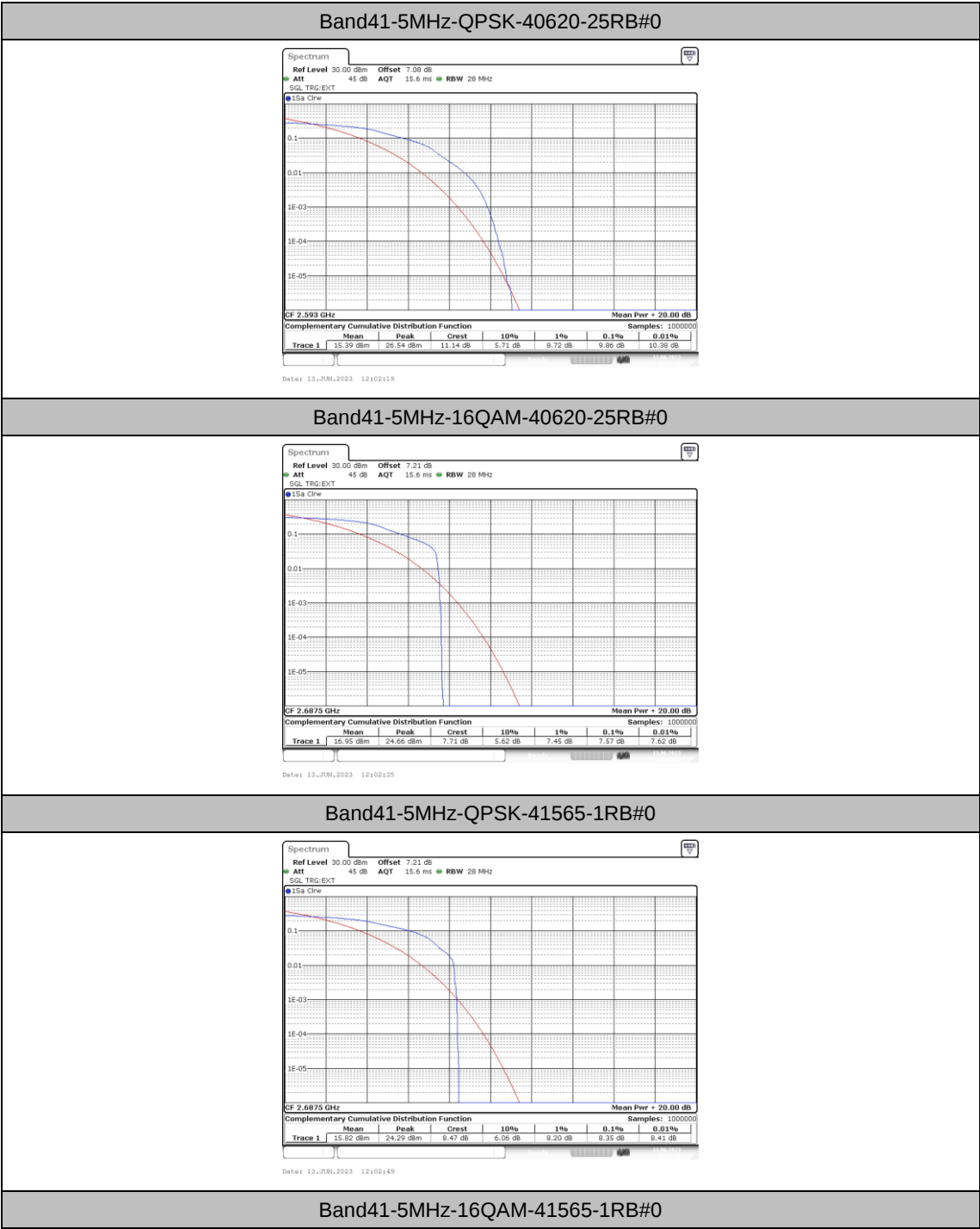


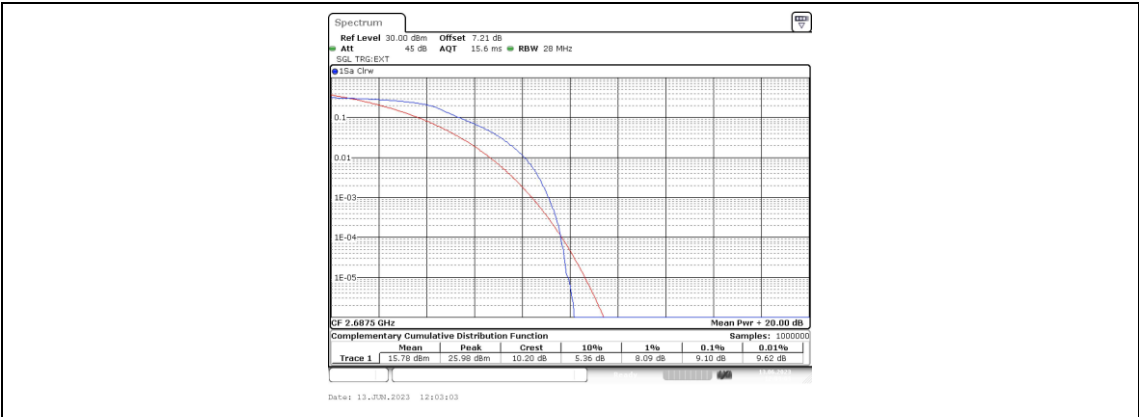
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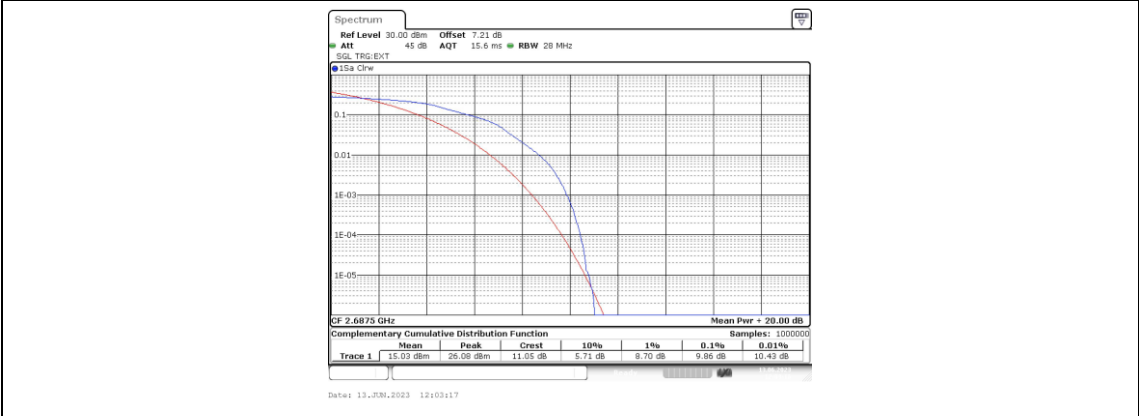
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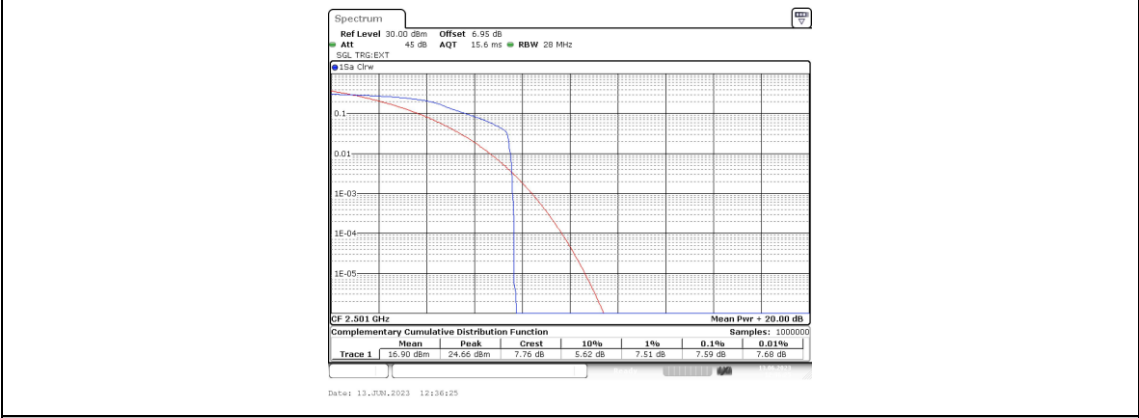




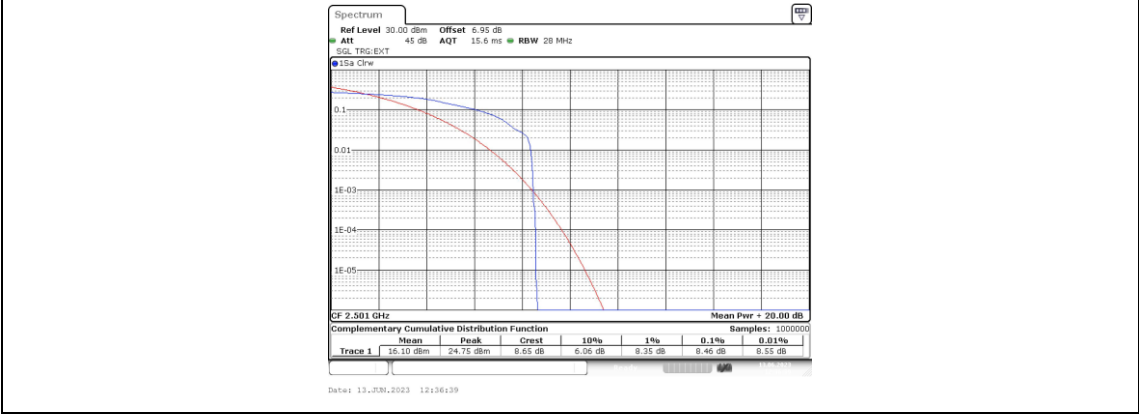
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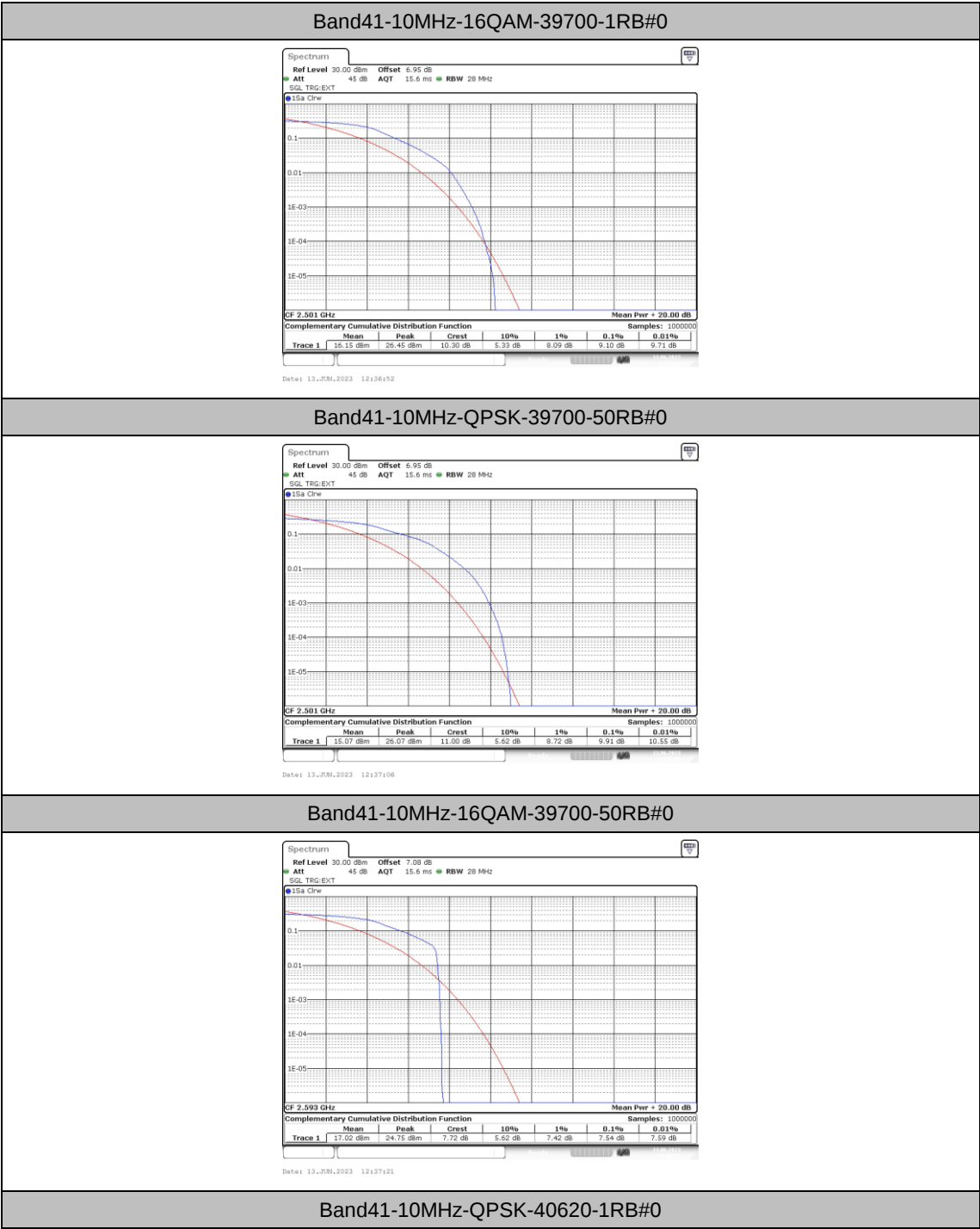


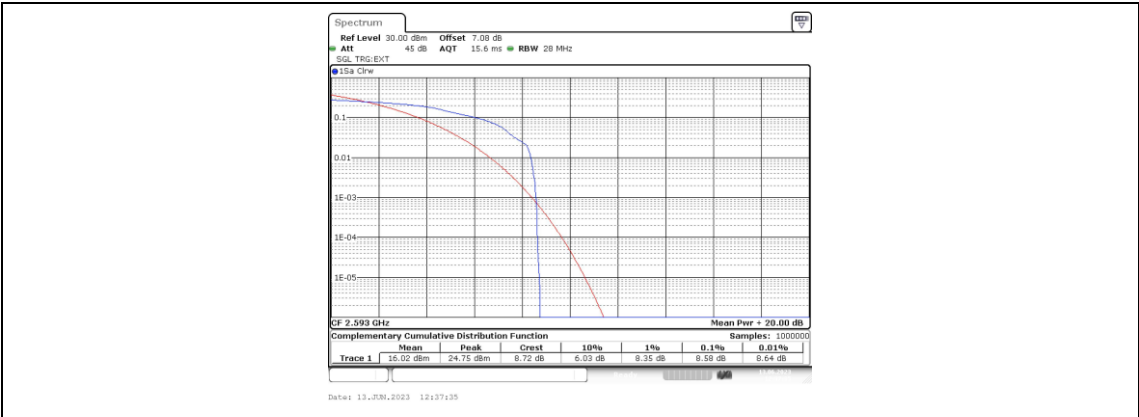
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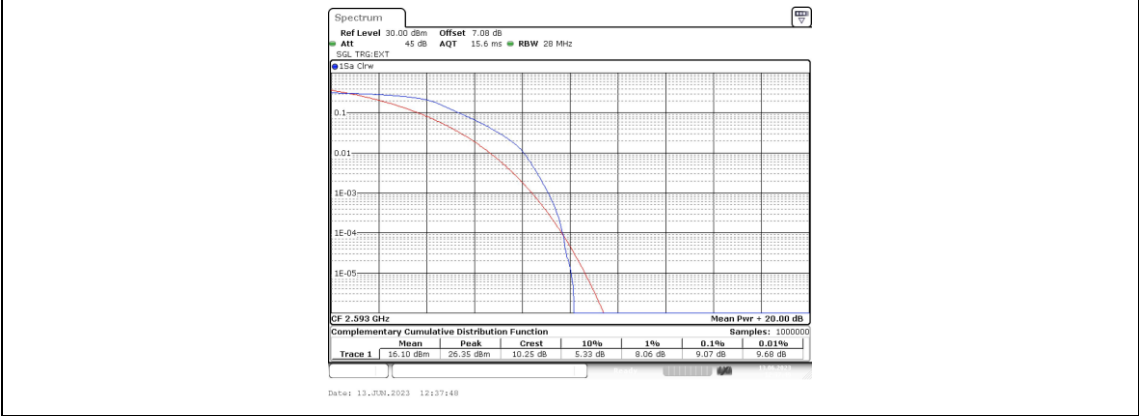
Band41-10MHz-QPSK-39700-1RB#0



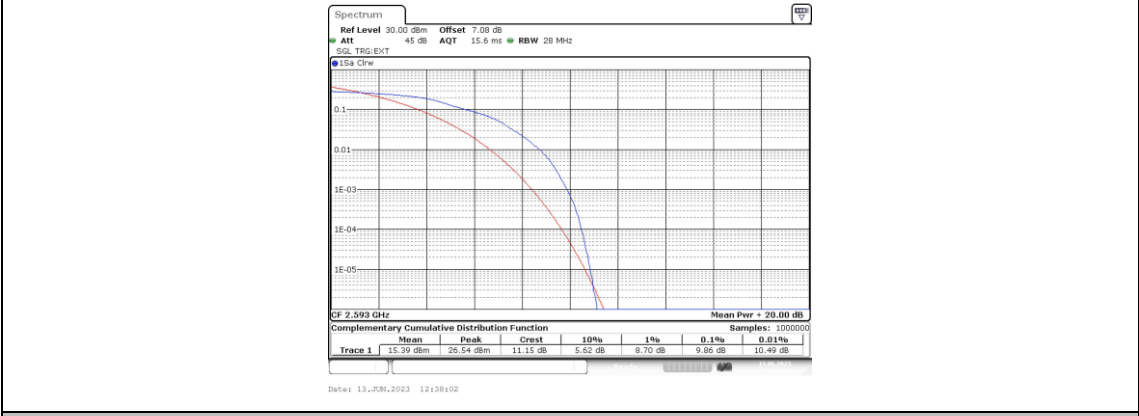




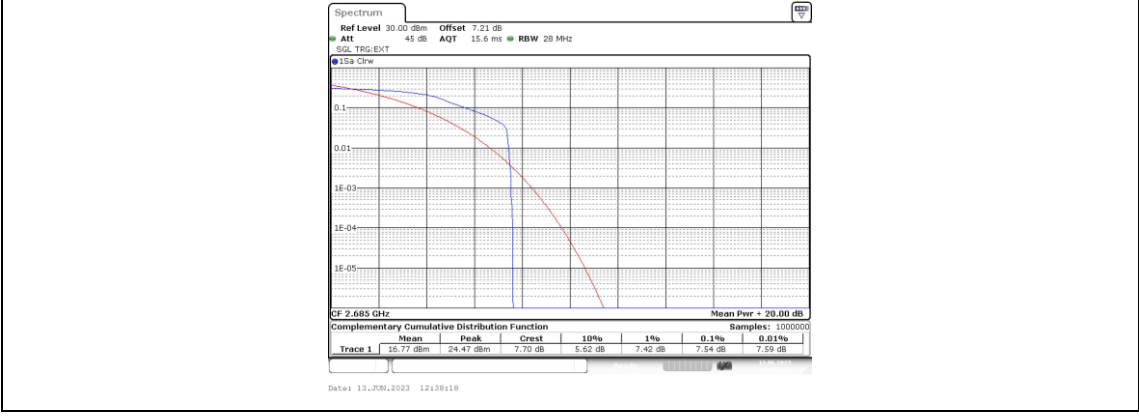
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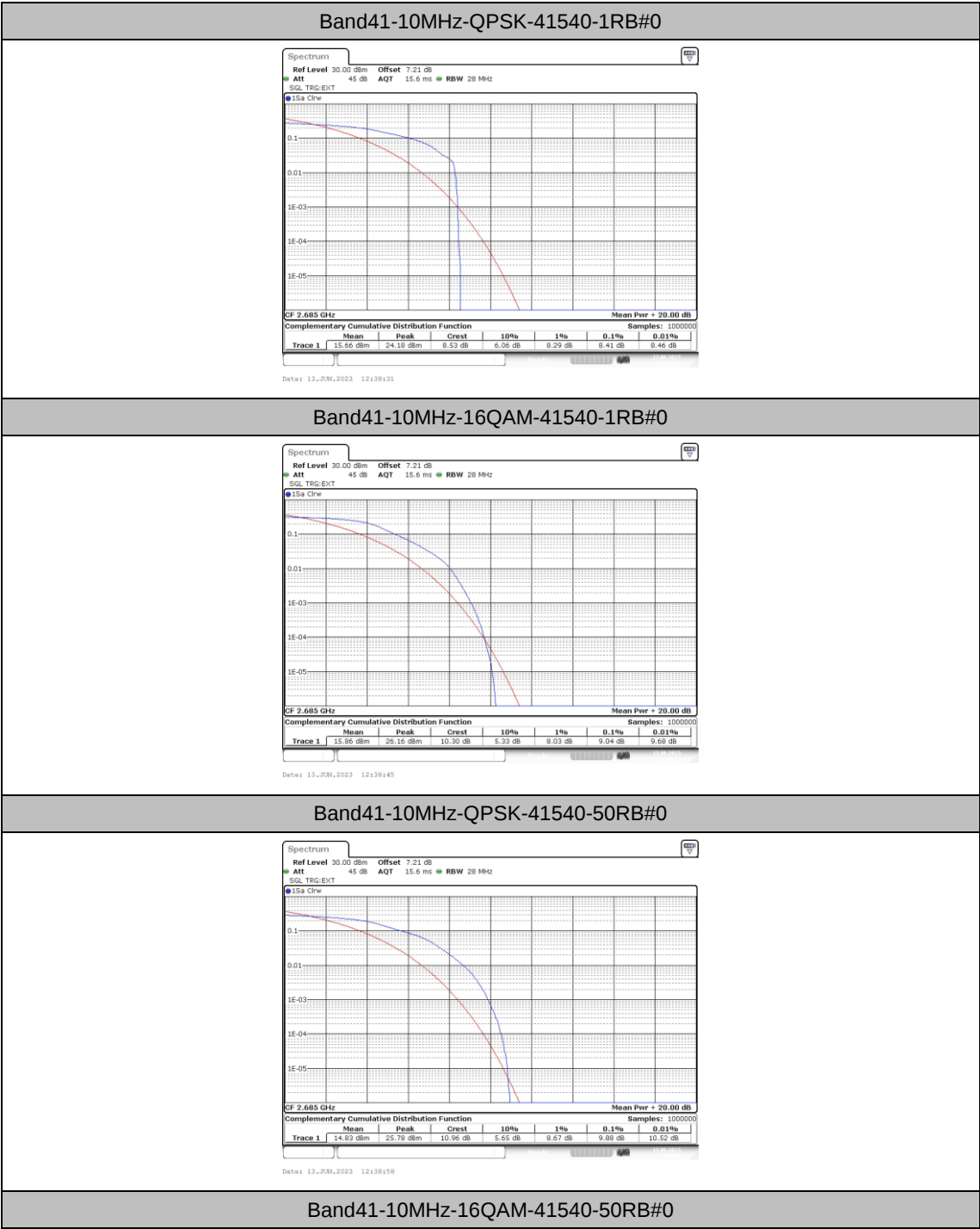


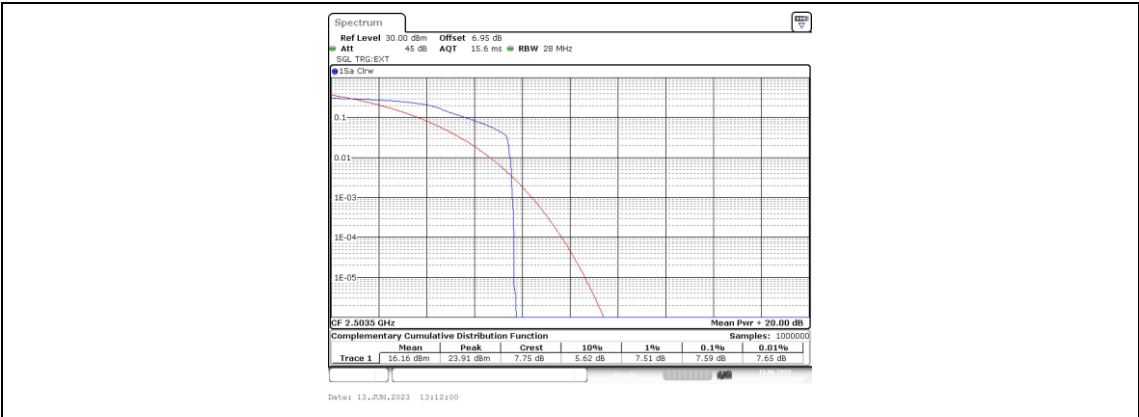
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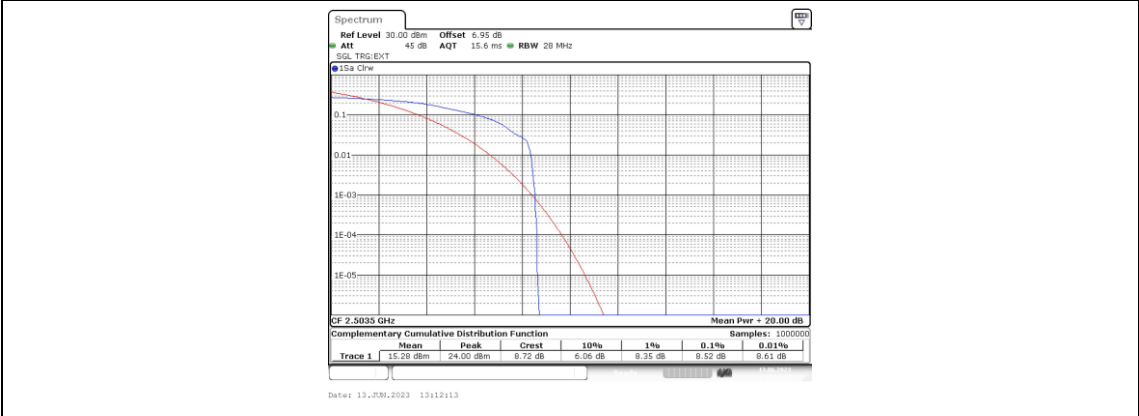
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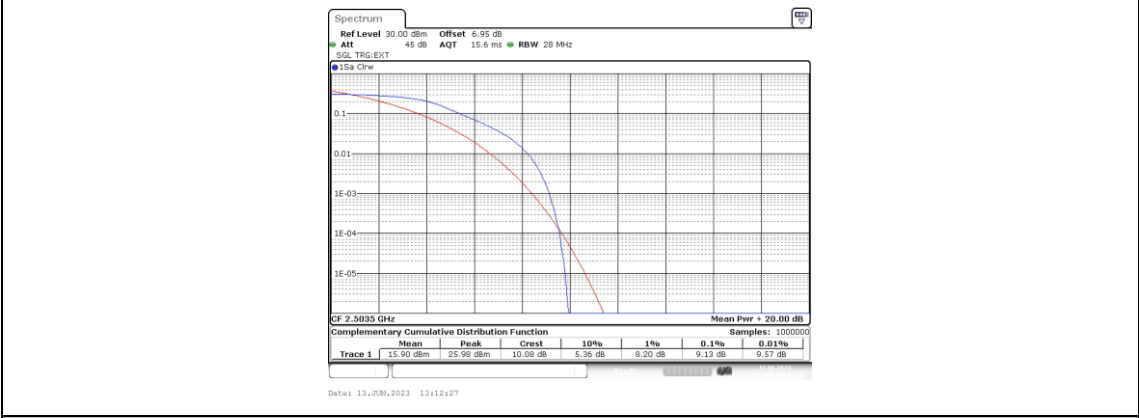




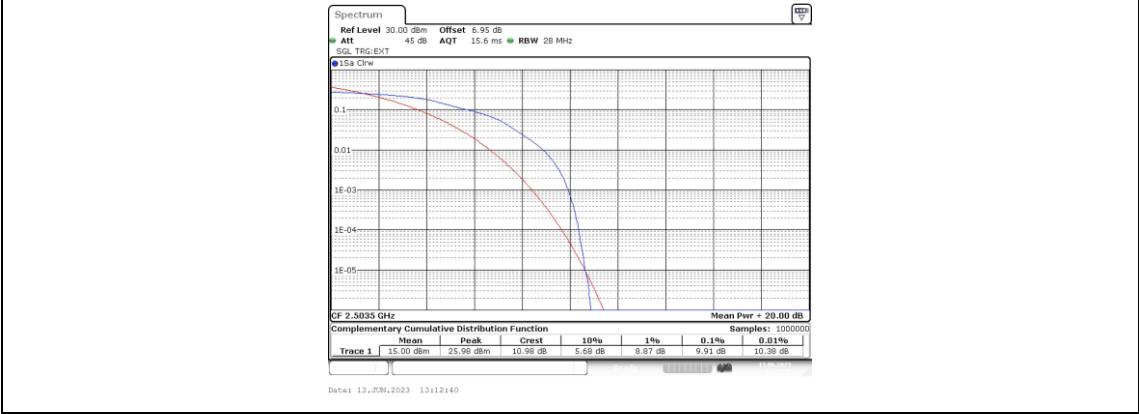
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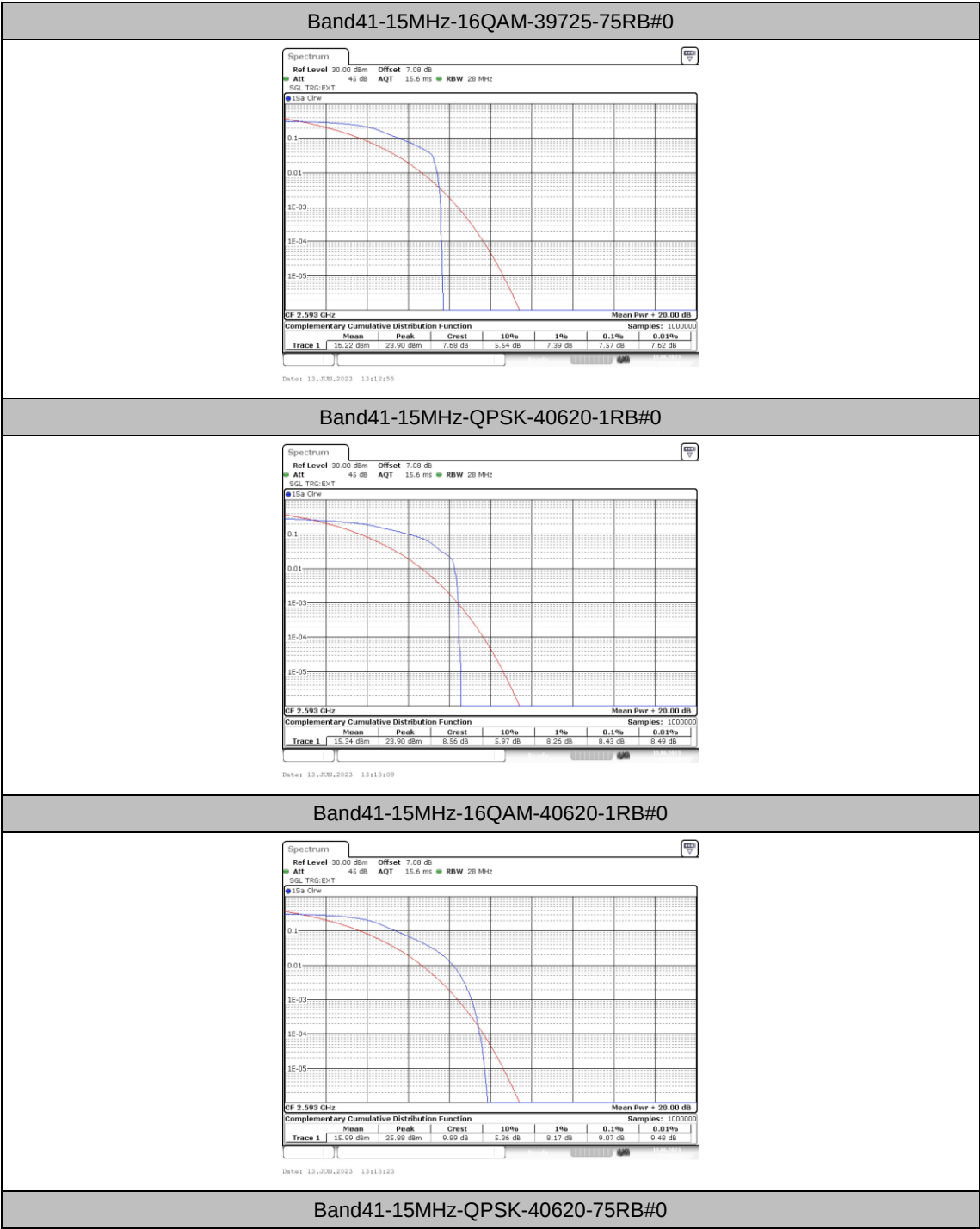


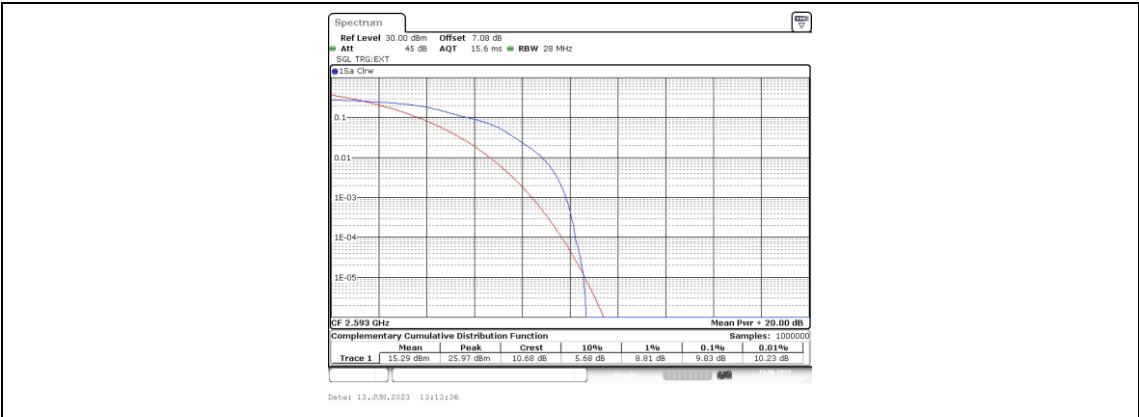
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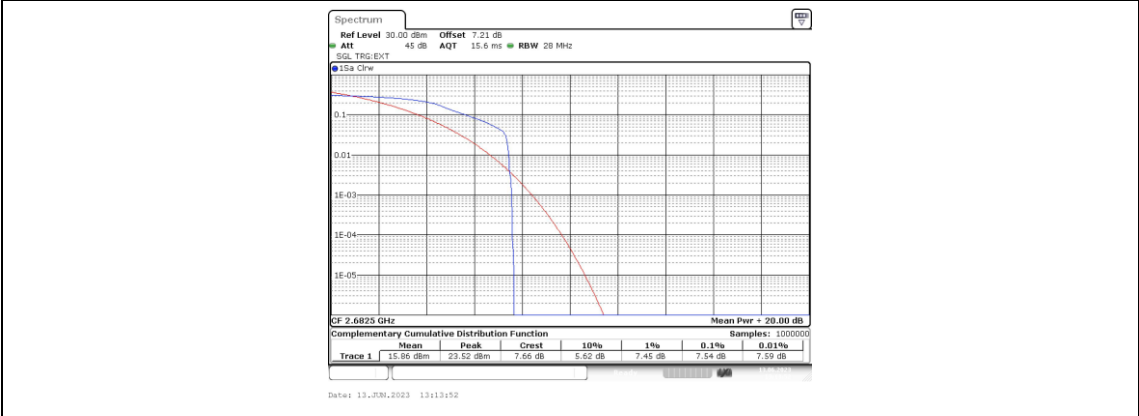
Band41-15MHz-QPSK-39725-75RB#0



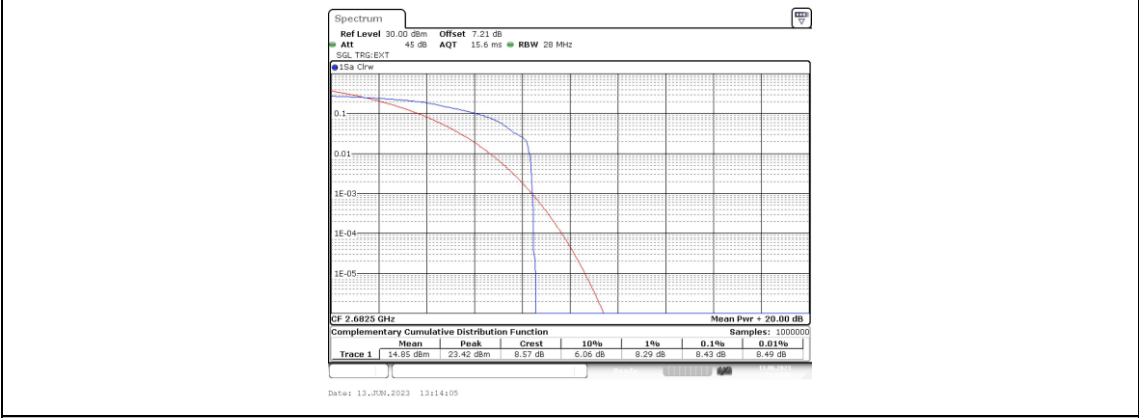




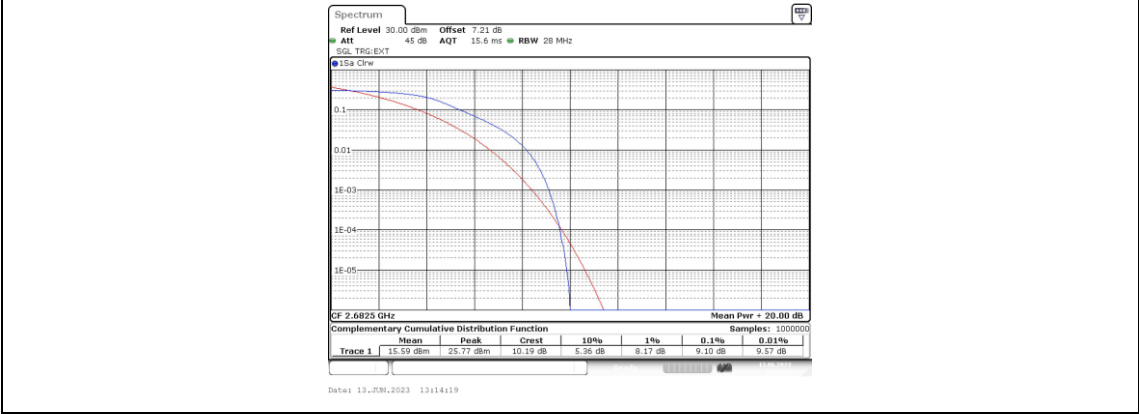
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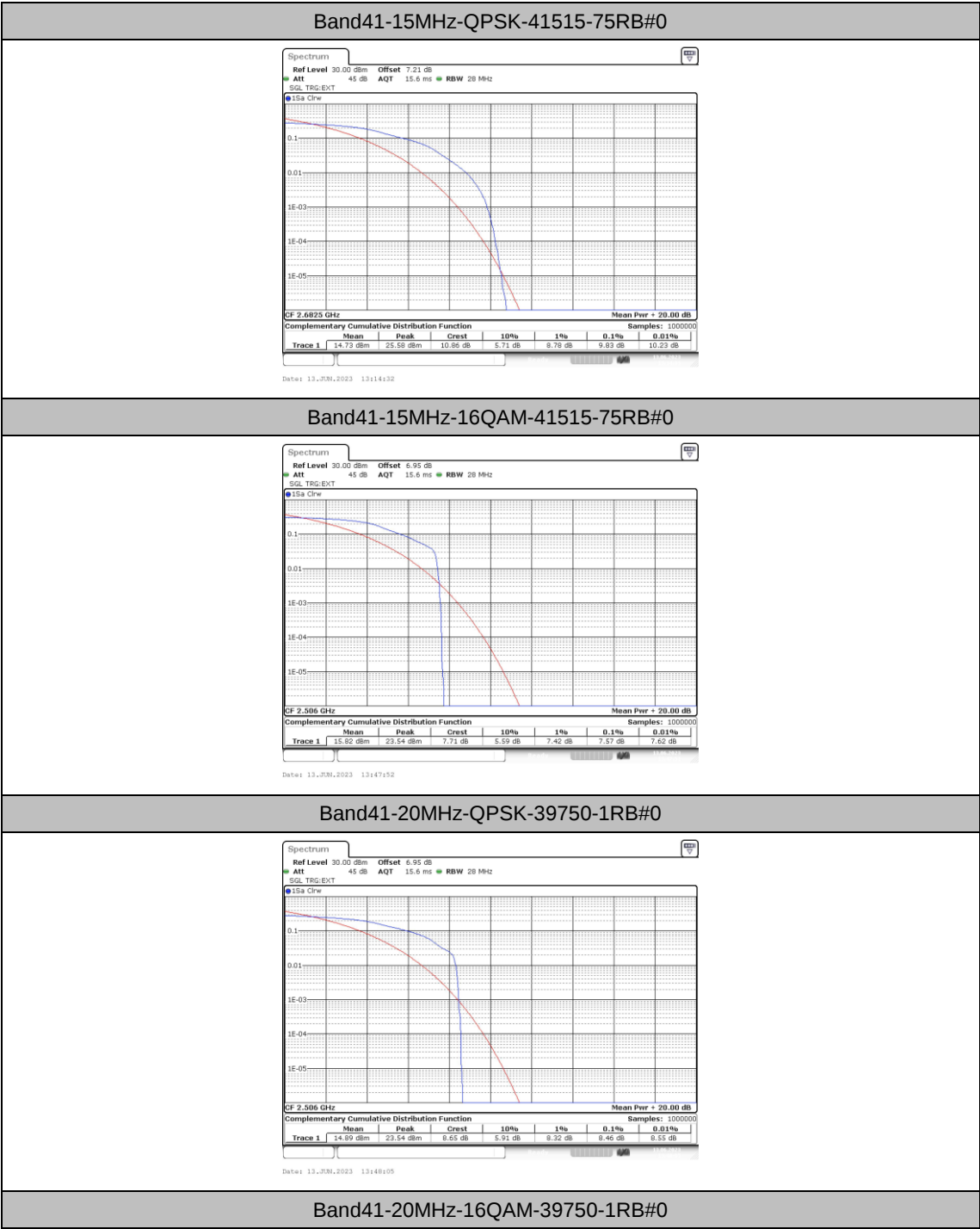


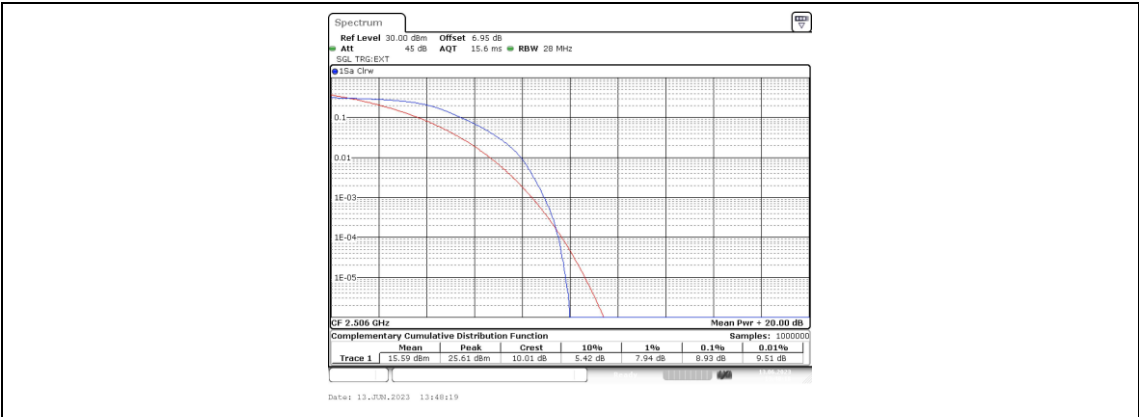
Band41-15MHz-QPSK-41515-1RB#0



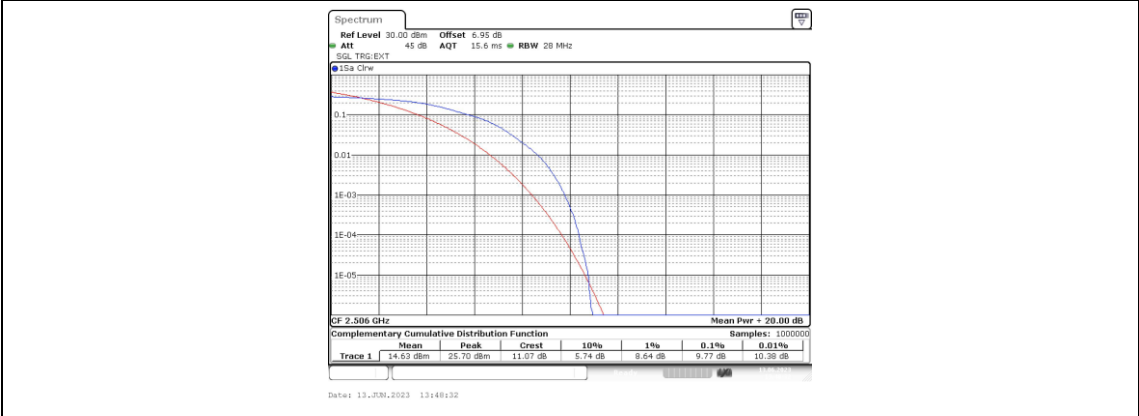
Band41-15MHz-16QAM-41515-1RB#0



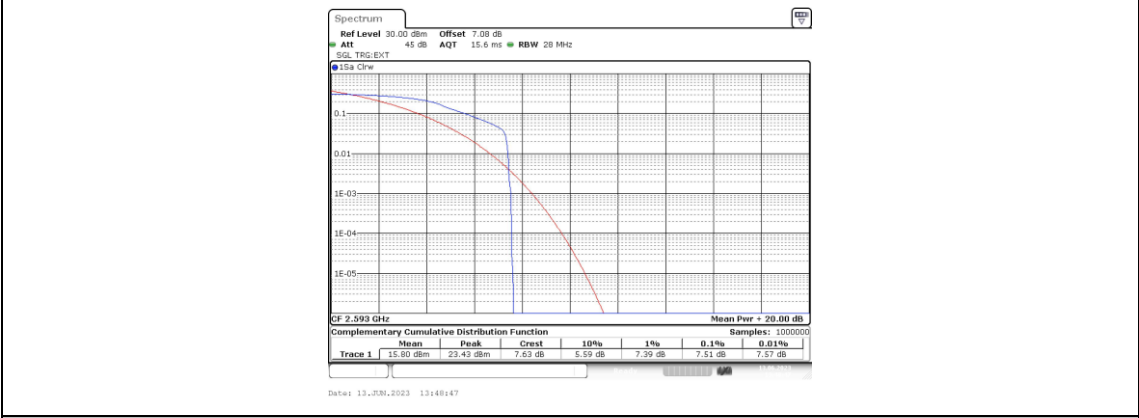




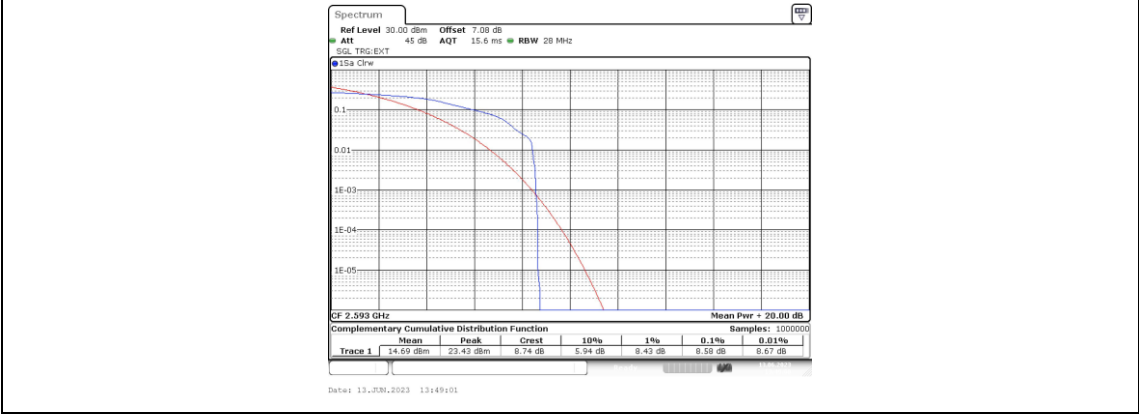
Band41-20MHz-QPSK-39750-100RB#0

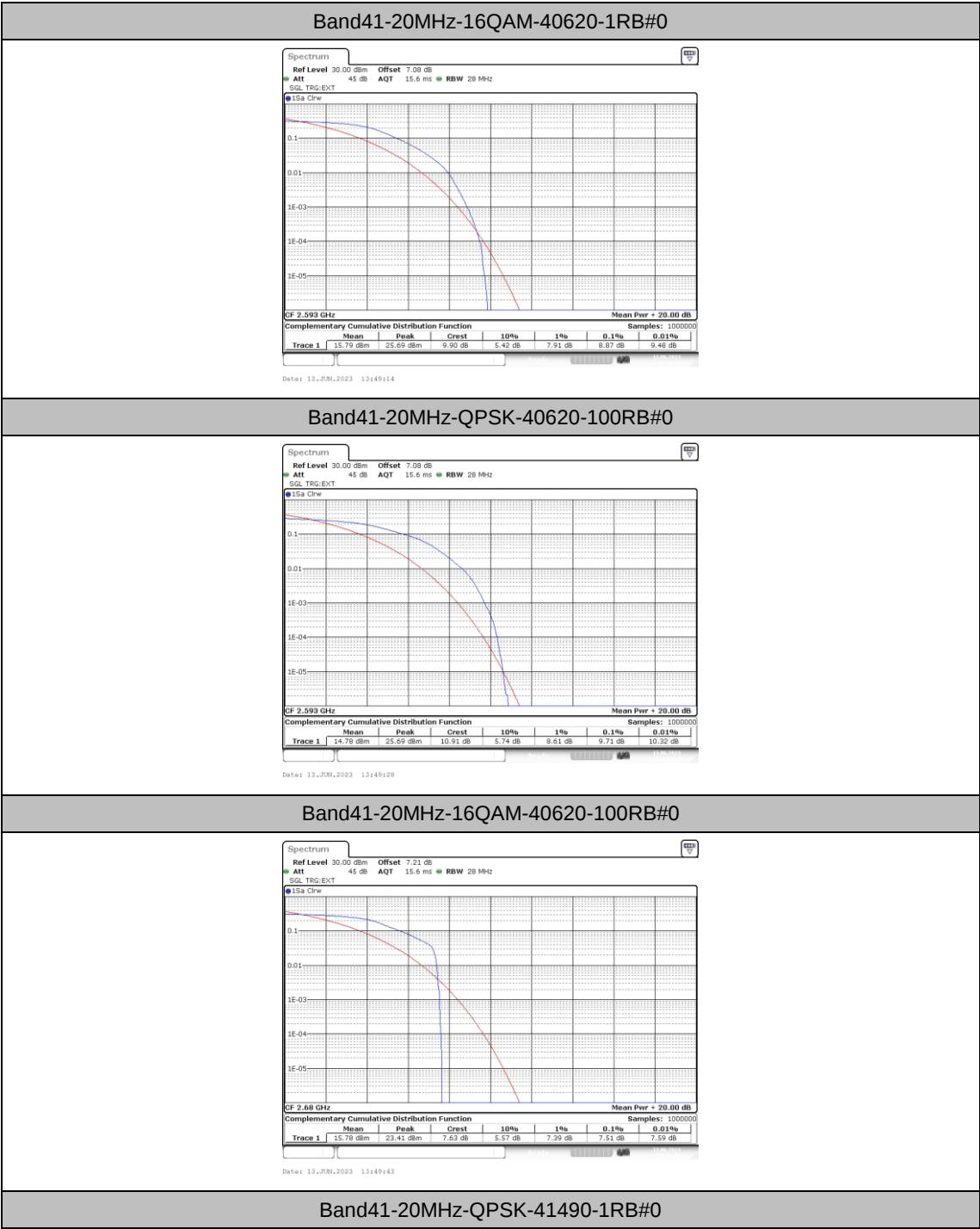


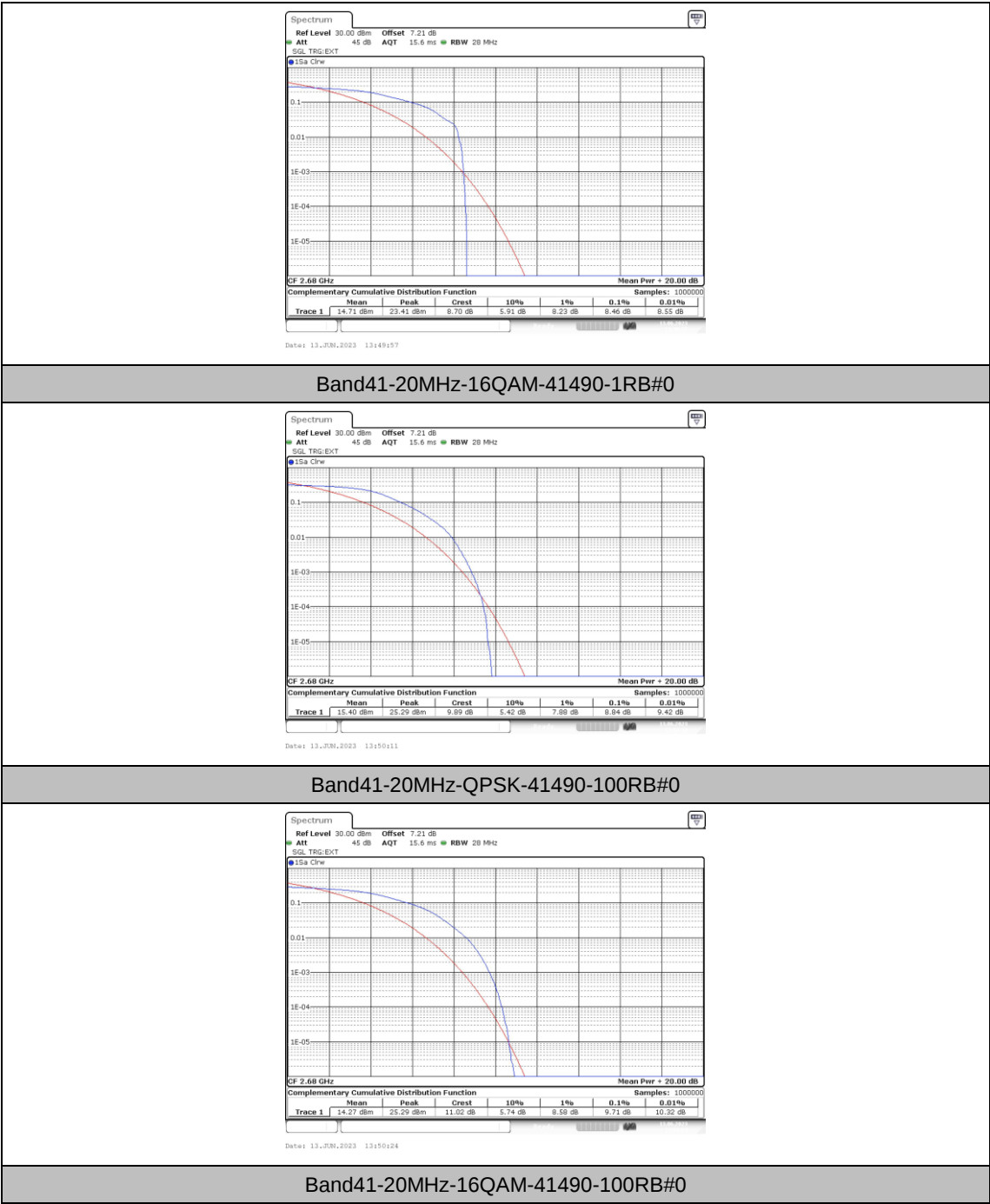
Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-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	16QAM	39675	25RB#0	4.496	4.77	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.496	4.77	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.77	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.496	4.78	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.486	4.78	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.952	9.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.985	9.53	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.952	9.53	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.952	9.53	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.952	9.53	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.985	9.57	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.428	14.30	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.478	14.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.428	14.30	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.478	14.30	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.97	19.33	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.97	19.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.97	19.33	PASS

Test Graphs

