

Appendix: LTE Band7

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## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	ERP/EIRP (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	16.56	16.56	PASS
Band7	5MHz	QPSK	20775	1RB#12	16.45	16.45	PASS
Band7	5MHz	QPSK	20775	1RB#24	16.42	16.42	PASS
Band7	5MHz	QPSK	20775	12RB#0	15.59	15.59	PASS
Band7	5MHz	QPSK	20775	12RB#6	15.54	15.54	PASS
Band7	5MHz	QPSK	20775	12RB#13	15.43	15.43	PASS
Band7	5MHz	QPSK	20775	25RB#0	15.48	15.48	PASS
Band7	5MHz	16QAM	20775	1RB#0	15.50	15.5	PASS
Band7	5MHz	16QAM	20775	1RB#12	15.37	15.37	PASS
Band7	5MHz	16QAM	20775	1RB#24	15.39	15.39	PASS
Band7	5MHz	16QAM	20775	12RB#0	14.54	14.54	PASS
Band7	5MHz	16QAM	20775	12RB#6	14.54	14.54	PASS
Band7	5MHz	16QAM	20775	12RB#13	14.43	14.43	PASS
Band7	5MHz	16QAM	20775	25RB#0	14.51	14.51	PASS
Band7	5MHz	QPSK	21100	1RB#0	15.99	15.99	PASS
Band7	5MHz	QPSK	21100	1RB#12	15.98	15.98	PASS
Band7	5MHz	QPSK	21100	1RB#24	15.97	15.97	PASS

Band7	5MHz	QPSK	21100	12RB#0	15.05	15.05	PASS
Band7	5MHz	QPSK	21100	12RB#6	15.06	15.06	PASS
Band7	5MHz	QPSK	21100	12RB#13	15.01	15.01	PASS
Band7	5MHz	QPSK	21100	25RB#0	15.02	15.02	PASS
Band7	5MHz	16QAM	21100	1RB#0	15.15	15.15	PASS
Band7	5MHz	16QAM	21100	1RB#12	15.09	15.09	PASS
Band7	5MHz	16QAM	21100	1RB#24	15.03	15.03	PASS
Band7	5MHz	16QAM	21100	12RB#0	14.15	14.15	PASS
Band7	5MHz	16QAM	21100	12RB#6	14.20	14.2	PASS
Band7	5MHz	16QAM	21100	12RB#13	14.12	14.12	PASS
Band7	5MHz	16QAM	21100	25RB#0	14.07	14.07	PASS
Band7	5MHz	QPSK	21425	1RB#0	16.33	16.33	PASS
Band7	5MHz	QPSK	21425	1RB#12	16.40	16.4	PASS
Band7	5MHz	QPSK	21425	1RB#24	16.48	16.48	PASS
Band7	5MHz	QPSK	21425	12RB#0	15.37	15.37	PASS
Band7	5MHz	QPSK	21425	12RB#6	15.44	15.44	PASS
Band7	5MHz	QPSK	21425	12RB#13	15.46	15.46	PASS
Band7	5MHz	QPSK	21425	25RB#0	15.42	15.42	PASS
Band7	5MHz	16QAM	21425	1RB#0	15.25	15.25	PASS
Band7	5MHz	16QAM	21425	1RB#12	15.35	15.35	PASS
Band7	5MHz	16QAM	21425	1RB#24	15.33	15.33	PASS
Band7	5MHz	16QAM	21425	12RB#0	14.42	14.42	PASS

Band7	5MHz	16QAM	21425	12RB#6	14.44	14.44	PASS
Band7	5MHz	16QAM	21425	12RB#13	14.50	14.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	14.51	14.51	PASS
Band7	10MHz	QPSK	20800	1RB#0	16.55	16.55	PASS
Band7	10MHz	QPSK	20800	1RB#24	16.44	16.44	PASS
Band7	10MHz	QPSK	20800	1RB#49	16.28	16.28	PASS
Band7	10MHz	QPSK	20800	25RB#0	15.50	15.5	PASS
Band7	10MHz	QPSK	20800	25RB#12	15.50	15.5	PASS
Band7	10MHz	QPSK	20800	25RB#25	15.39	15.39	PASS
Band7	10MHz	QPSK	20800	50RB#0	15.47	15.47	PASS
Band7	10MHz	16QAM	20800	1RB#0	15.34	15.34	PASS
Band7	10MHz	16QAM	20800	1RB#24	15.43	15.43	PASS
Band7	10MHz	16QAM	20800	1RB#49	15.07	15.07	PASS
Band7	10MHz	16QAM	20800	25RB#0	14.58	14.58	PASS
Band7	10MHz	16QAM	20800	25RB#12	14.53	14.53	PASS
Band7	10MHz	16QAM	20800	25RB#25	14.47	14.47	PASS
Band7	10MHz	16QAM	20800	50RB#0	14.53	14.53	PASS
Band7	10MHz	QPSK	21100	1RB#0	16.04	16.04	PASS
Band7	10MHz	QPSK	21100	1RB#24	16.02	16.02	PASS
Band7	10MHz	QPSK	21100	1RB#49	15.96	15.96	PASS
Band7	10MHz	QPSK	21100	25RB#0	15.07	15.07	PASS
Band7	10MHz	QPSK	21100	25RB#12	15.11	15.11	PASS

Band7	10MHz	QPSK	21100	25RB#25	15.01	15.01	PASS
Band7	10MHz	QPSK	21100	50RB#0	15.04	15.04	PASS
Band7	10MHz	16QAM	21100	1RB#0	15.06	15.06	PASS
Band7	10MHz	16QAM	21100	1RB#24	14.96	14.96	PASS
Band7	10MHz	16QAM	21100	1RB#49	14.95	14.95	PASS
Band7	10MHz	16QAM	21100	25RB#0	14.14	14.14	PASS
Band7	10MHz	16QAM	21100	25RB#12	14.12	14.12	PASS
Band7	10MHz	16QAM	21100	25RB#25	14.01	14.01	PASS
Band7	10MHz	16QAM	21100	50RB#0	14.08	14.08	PASS
Band7	10MHz	QPSK	21400	1RB#0	16.11	16.11	PASS
Band7	10MHz	QPSK	21400	1RB#24	16.32	16.32	PASS
Band7	10MHz	QPSK	21400	1RB#49	16.34	16.34	PASS
Band7	10MHz	QPSK	21400	25RB#0	15.31	15.31	PASS
Band7	10MHz	QPSK	21400	25RB#12	15.37	15.37	PASS
Band7	10MHz	QPSK	21400	25RB#25	15.47	15.47	PASS
Band7	10MHz	QPSK	21400	50RB#0	15.40	15.4	PASS
Band7	10MHz	16QAM	21400	1RB#0	15.12	15.12	PASS
Band7	10MHz	16QAM	21400	1RB#24	15.47	15.47	PASS
Band7	10MHz	16QAM	21400	1RB#49	15.26	15.26	PASS
Band7	10MHz	16QAM	21400	25RB#0	14.40	14.4	PASS
Band7	10MHz	16QAM	21400	25RB#12	14.51	14.51	PASS
Band7	10MHz	16QAM	21400	25RB#25	14.51	14.51	PASS

Band7	10MHz	16QAM	21400	50RB#0	14.47	14.47	PASS
Band7	15MHz	QPSK	20825	1RB#0	16.35	16.35	PASS
Band7	15MHz	QPSK	20825	1RB#38	16.26	16.26	PASS
Band7	15MHz	QPSK	20825	1RB#74	16.08	16.08	PASS
Band7	15MHz	QPSK	20825	38RB#0	15.28	15.28	PASS
Band7	15MHz	QPSK	20825	38RB#18	15.30	15.3	PASS
Band7	15MHz	QPSK	20825	38RB#37	15.27	15.27	PASS
Band7	15MHz	QPSK	20825	75RB#0	15.27	15.27	PASS
Band7	15MHz	16QAM	20825	1RB#0	15.48	15.48	PASS
Band7	15MHz	16QAM	20825	1RB#38	15.22	15.22	PASS
Band7	15MHz	16QAM	20825	1RB#74	15.18	15.18	PASS
Band7	15MHz	16QAM	20825	38RB#0	15.23	15.23	PASS
Band7	15MHz	16QAM	20825	38RB#18	14.42	14.42	PASS
Band7	15MHz	16QAM	20825	38RB#37	15.25	15.25	PASS
Band7	15MHz	16QAM	20825	75RB#0	14.36	14.36	PASS
Band7	15MHz	QPSK	21100	1RB#0	15.92	15.92	PASS
Band7	15MHz	QPSK	21100	1RB#38	16.07	16.07	PASS
Band7	15MHz	QPSK	21100	1RB#74	15.79	15.79	PASS
Band7	15MHz	QPSK	21100	38RB#0	15.06	15.06	PASS
Band7	15MHz	QPSK	21100	38RB#18	15.11	15.11	PASS
Band7	15MHz	QPSK	21100	38RB#37	15.07	15.07	PASS
Band7	15MHz	QPSK	21100	75RB#0	15.07	15.07	PASS

Band7	15MHz	16QAM	21100	1RB#0	15.19	15.19	PASS
Band7	15MHz	16QAM	21100	1RB#38	15.09	15.09	PASS
Band7	15MHz	16QAM	21100	1RB#74	15.00	15	PASS
Band7	15MHz	16QAM	21100	38RB#0	15.04	15.04	PASS
Band7	15MHz	16QAM	21100	38RB#18	14.18	14.18	PASS
Band7	15MHz	16QAM	21100	38RB#37	15.05	15.05	PASS
Band7	15MHz	16QAM	21100	75RB#0	14.12	14.12	PASS
Band7	15MHz	QPSK	21375	1RB#0	15.99	15.99	PASS
Band7	15MHz	QPSK	21375	1RB#38	16.23	16.23	PASS
Band7	15MHz	QPSK	21375	1RB#74	16.36	16.36	PASS
Band7	15MHz	QPSK	21375	38RB#0	15.24	15.24	PASS
Band7	15MHz	QPSK	21375	38RB#18	15.34	15.34	PASS
Band7	15MHz	QPSK	21375	38RB#37	15.24	15.24	PASS
Band7	15MHz	QPSK	21375	75RB#0	15.26	15.26	PASS
Band7	15MHz	16QAM	21375	1RB#0	14.85	14.85	PASS
Band7	15MHz	16QAM	21375	1RB#38	15.37	15.37	PASS
Band7	15MHz	16QAM	21375	1RB#74	15.18	15.18	PASS
Band7	15MHz	16QAM	21375	38RB#0	15.27	15.27	PASS
Band7	15MHz	16QAM	21375	38RB#18	14.42	14.42	PASS
Band7	15MHz	16QAM	21375	38RB#37	15.27	15.27	PASS
Band7	15MHz	16QAM	21375	75RB#0	14.43	14.43	PASS
Band7	20MHz	QPSK	20850	1RB#0	16.52	16.52	PASS

Band7	20MHz	QPSK	20850	1RB#49	16.42	16.42	PASS
Band7	20MHz	QPSK	20850	1RB#99	16.16	16.16	PASS
Band7	20MHz	QPSK	20850	50RB#0	16.40	15.4	PASS
Band7	20MHz	QPSK	20850	50RB#25	16.32	15.32	PASS
Band7	20MHz	QPSK	20850	50RB#50	16.26	15.26	PASS
Band7	20MHz	QPSK	20850	100RB#0	15.38	15.38	PASS
Band7	20MHz	16QAM	20850	1RB#0	15.31	15.31	PASS
Band7	20MHz	16QAM	20850	1RB#49	15.42	15.42	PASS
Band7	20MHz	16QAM	20850	1RB#99	15.38	15.38	PASS
Band7	20MHz	16QAM	20850	50RB#0	14.47	14.47	PASS
Band7	20MHz	16QAM	20850	50RB#25	14.43	14.43	PASS
Band7	20MHz	16QAM	20850	50RB#50	14.31	14.31	PASS
Band7	20MHz	16QAM	20850	100RB#0	14.36	14.36	PASS
Band7	20MHz	QPSK	21100	1RB#0	15.96	15.96	PASS
Band7	20MHz	QPSK	21100	1RB#49	16.15	16.15	PASS
Band7	20MHz	QPSK	21100	1RB#99	15.87	15.87	PASS
Band7	20MHz	QPSK	21100	50RB#0	16.10	15.1	PASS
Band7	20MHz	QPSK	21100	50RB#25	16.03	15.03	PASS
Band7	20MHz	QPSK	21100	50RB#50	15.95	14.95	PASS
Band7	20MHz	QPSK	21100	100RB#0	15.02	15.02	PASS
Band7	20MHz	16QAM	21100	1RB#0	14.86	14.86	PASS
Band7	20MHz	16QAM	21100	1RB#49	15.17	15.17	PASS

Band7	20MHz	16QAM	21100	1RB#99	15.07	15.07	PASS
Band7	20MHz	16QAM	21100	50RB#0	14.19	14.19	PASS
Band7	20MHz	16QAM	21100	50RB#25	14.22	14.22	PASS
Band7	20MHz	16QAM	21100	50RB#50	14.05	14.05	PASS
Band7	20MHz	16QAM	21100	100RB#0	14.13	14.13	PASS
Band7	20MHz	QPSK	21350	1RB#0	15.82	15.82	PASS
Band7	20MHz	QPSK	21350	1RB#49	16.29	16.29	PASS
Band7	20MHz	QPSK	21350	1RB#99	16.43	16.43	PASS
Band7	20MHz	QPSK	21350	50RB#0	16.03	15.03	PASS
Band7	20MHz	QPSK	21350	50RB#25	16.23	15.23	PASS
Band7	20MHz	QPSK	21350	50RB#50	16.37	15.37	PASS
Band7	20MHz	QPSK	21350	100RB#0	15.23	15.23	PASS
Band7	20MHz	16QAM	21350	1RB#0	14.70	14.7	PASS
Band7	20MHz	16QAM	21350	1RB#49	15.35	15.35	PASS
Band7	20MHz	16QAM	21350	1RB#99	15.61	15.61	PASS
Band7	20MHz	16QAM	21350	50RB#0	14.17	14.17	PASS
Band7	20MHz	16QAM	21350	50RB#25	14.35	14.35	PASS
Band7	20MHz	16QAM	21350	50RB#50	14.42	14.42	PASS
Band7	20MHz	16QAM	21350	100RB#0	14.29	14.29	PASS

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

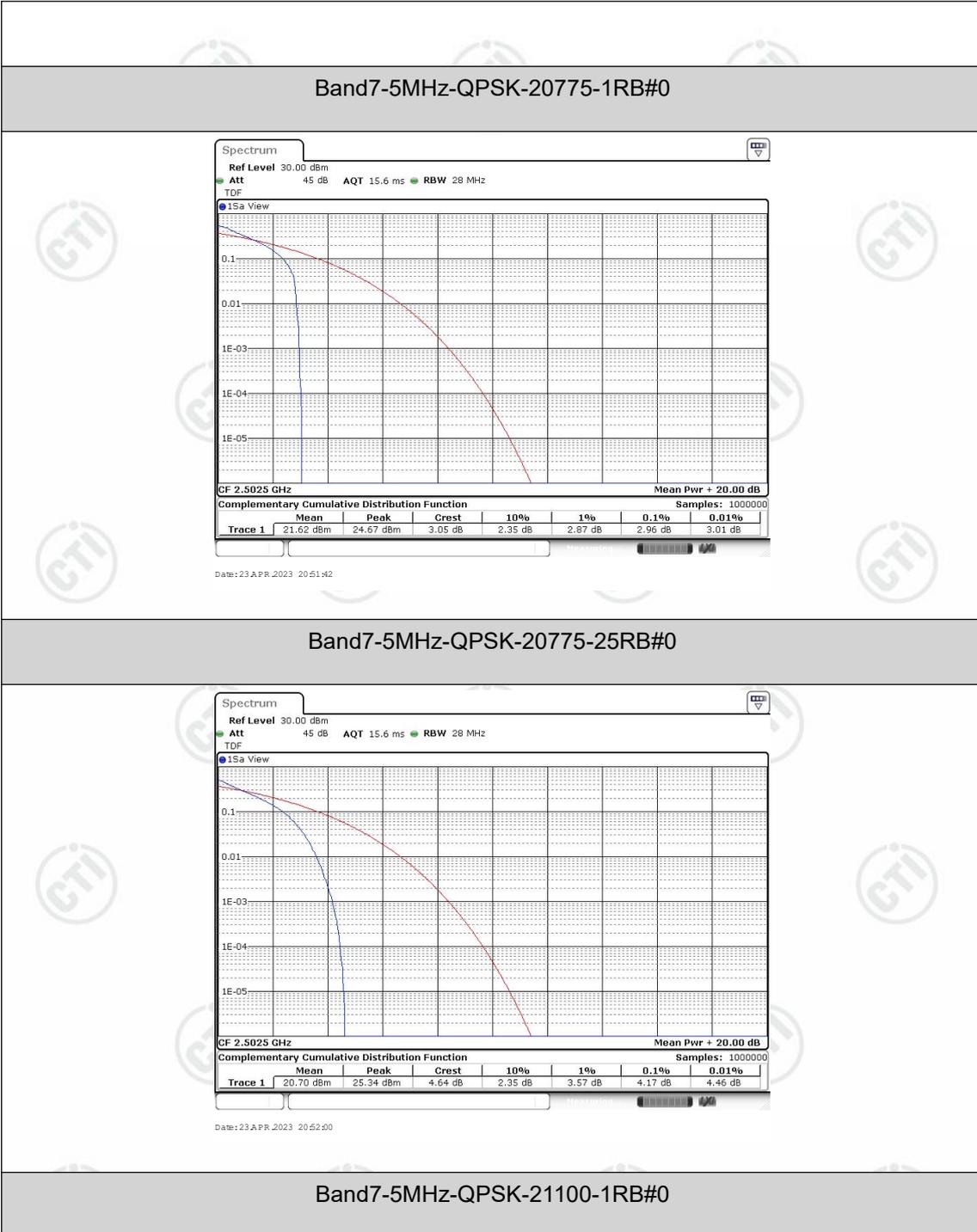
### Test Result

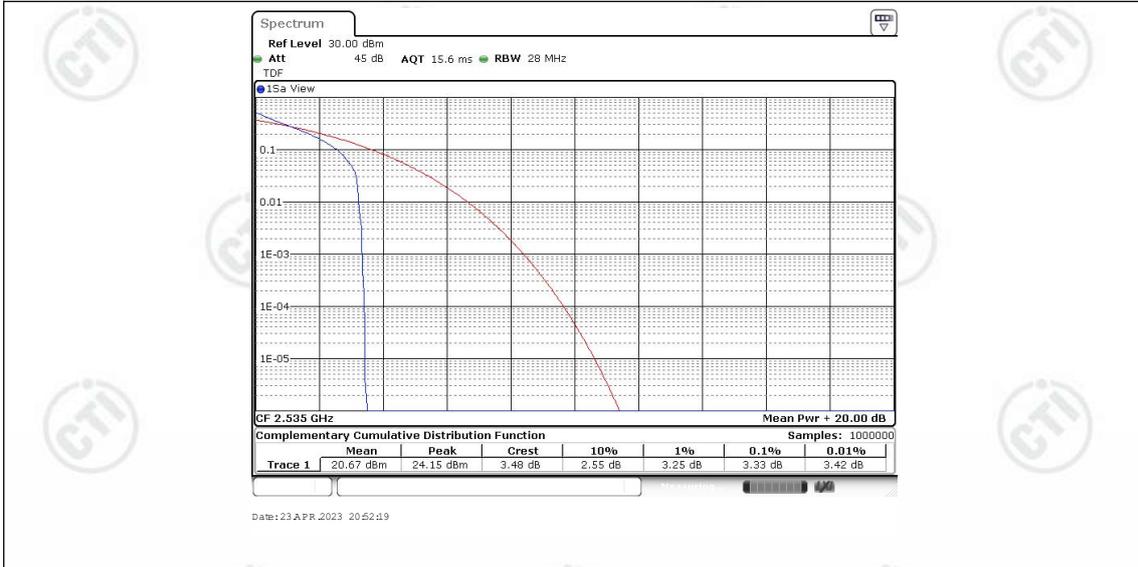
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	2.96	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.17	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.33	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.58	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.16	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.03	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.29	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.16	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.65	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.72	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.19	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	2.93	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.35	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.36	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.49	13	PASS

Band7	10MHz	QPSK	21400	1RB#0	3.39	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.29	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.41	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.48	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.65	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.30	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.51	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	2.96	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.70	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.36	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.55	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.30	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.52	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.46	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.74	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.04	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.71	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.10	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.68	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	2.90	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.58	13	PASS

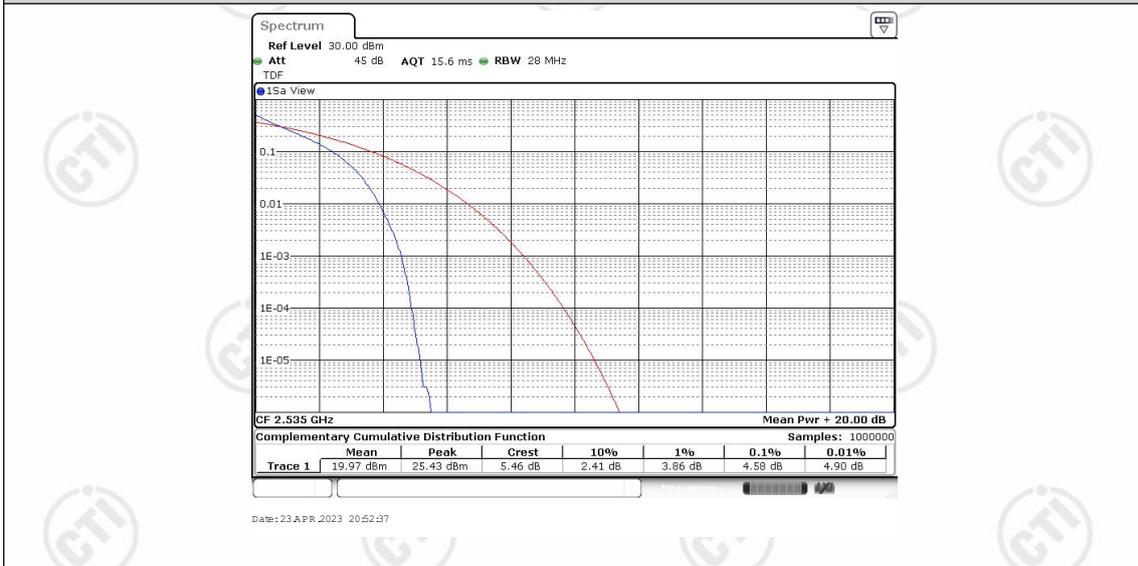
Band7	20MHz	QPSK	21100	1RB#0	3.45	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.38	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.30	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.55	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.49	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.77	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.22	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.59	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.19	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.86	13	PASS

## Test Graphs

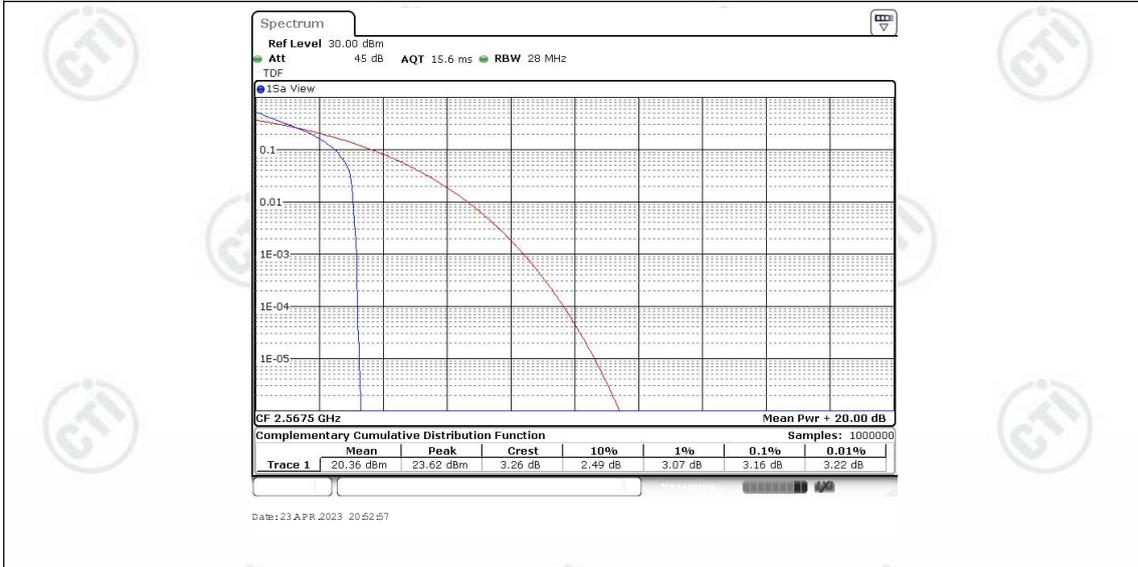




Band7-5MHz-QPSK-21100-25RB#0



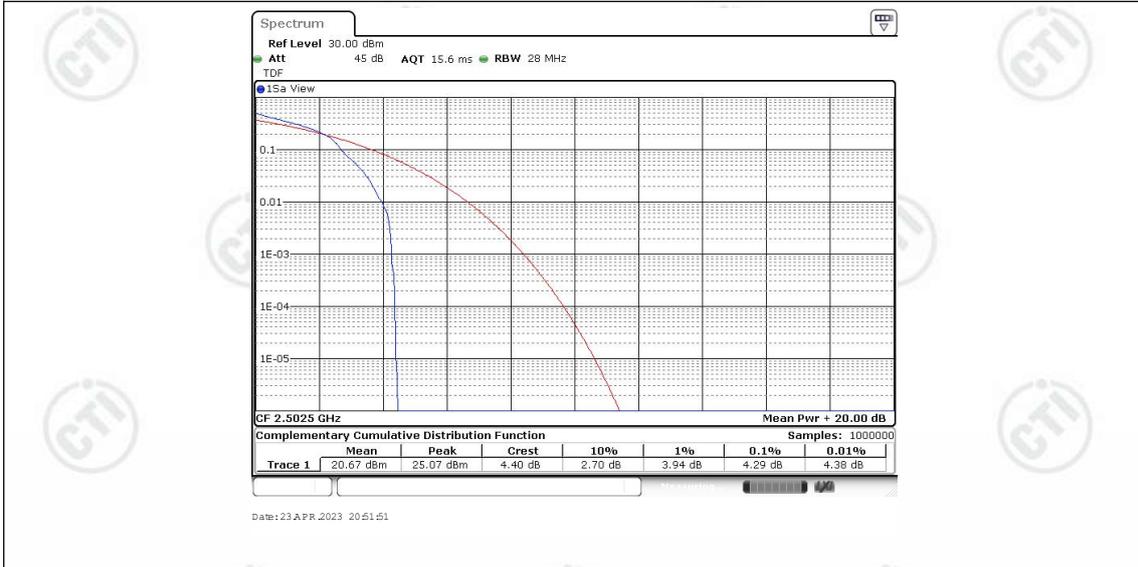
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Band7-5MHz-QPSK-21425-25RB#0



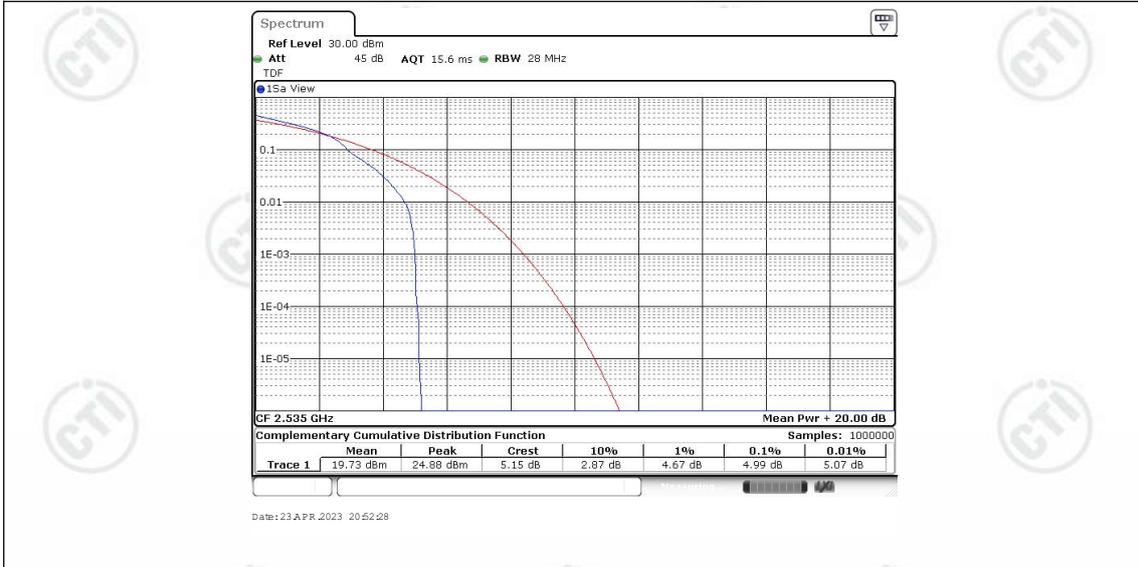
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Band7-5MHz-16QAM-20775-25RB#0



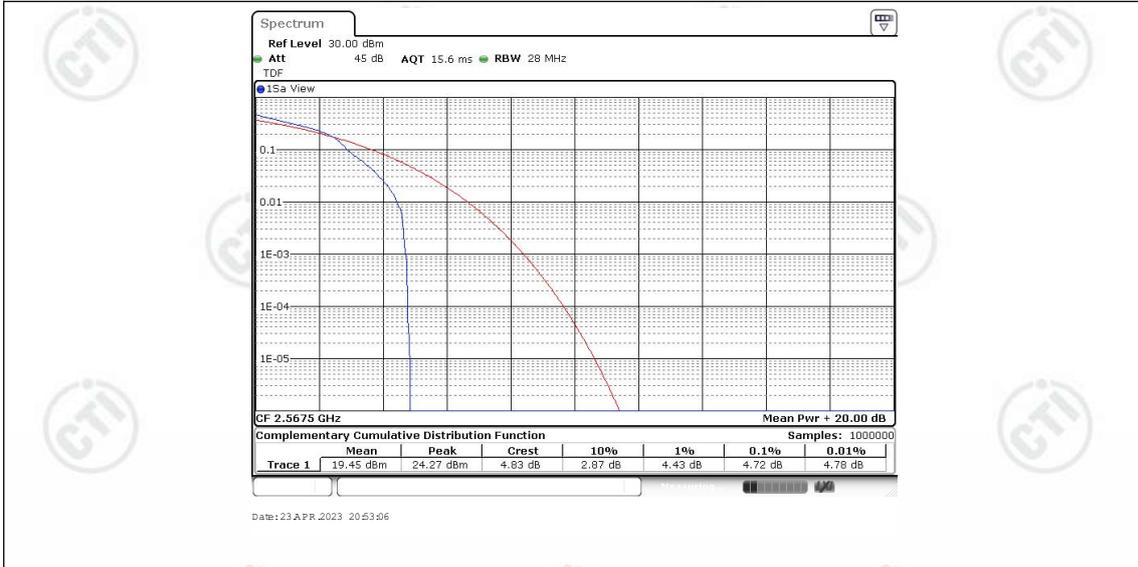
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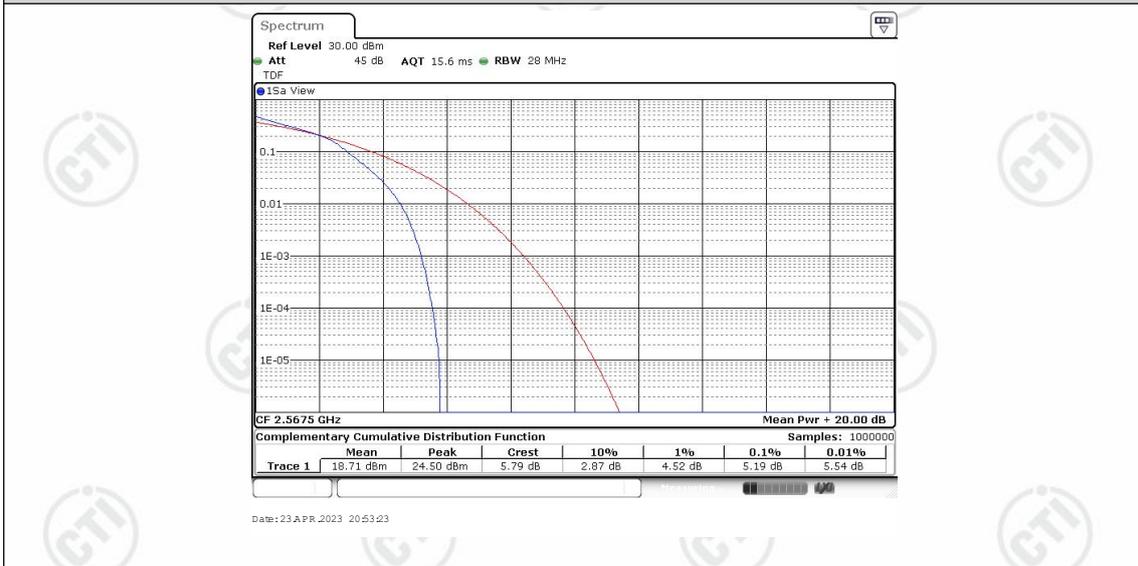
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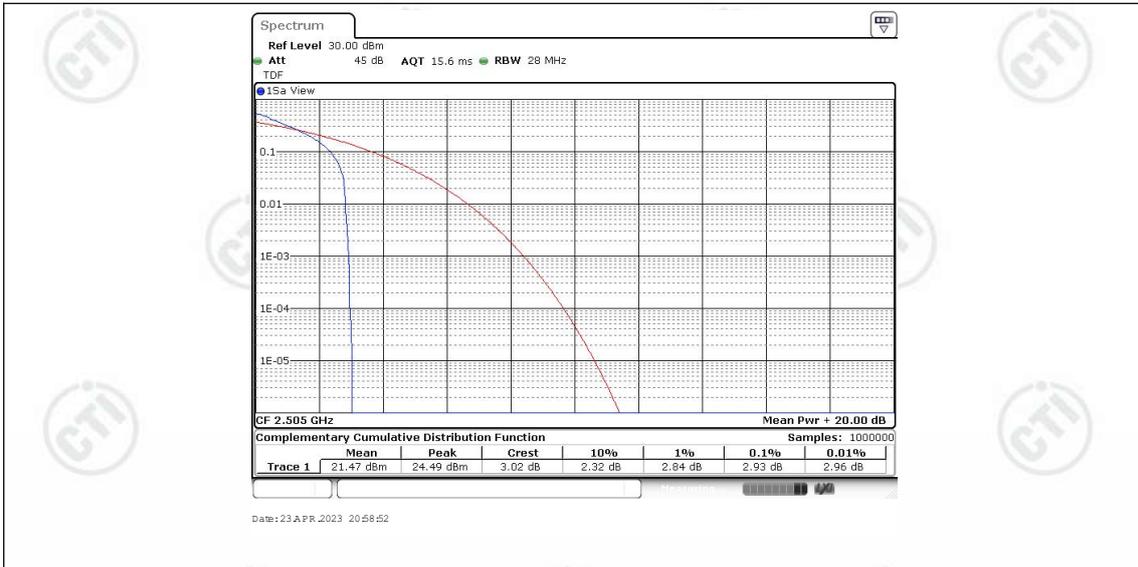
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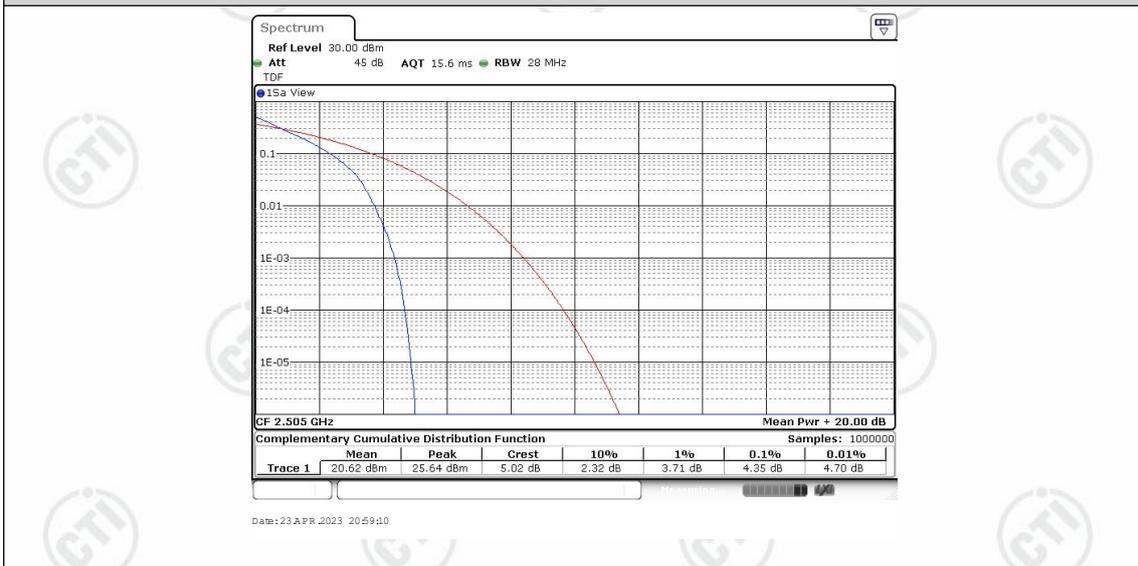
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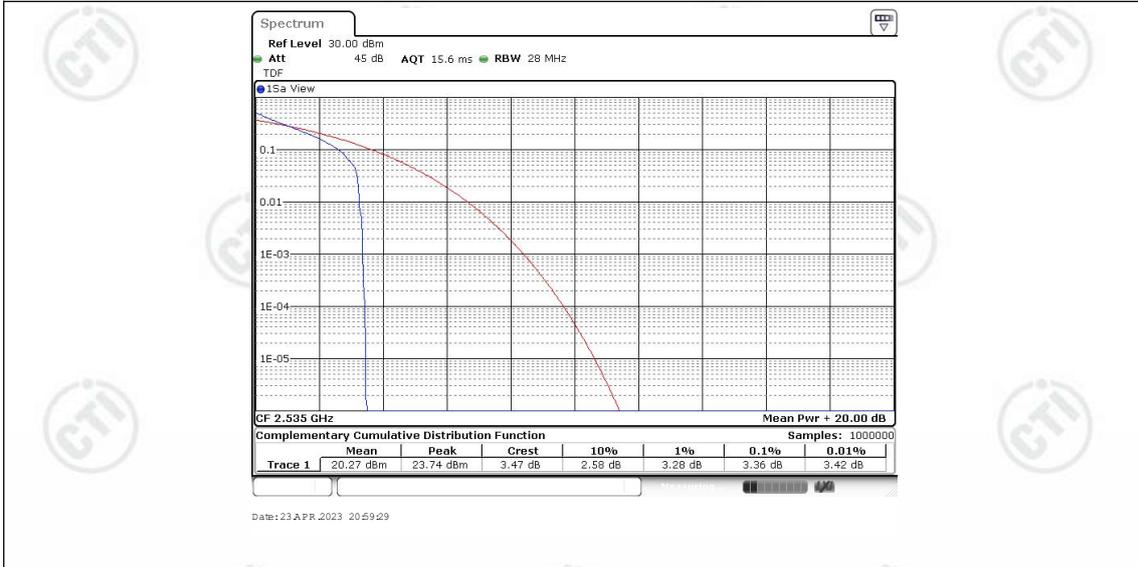
Band7-10MHz-QPSK-20800-1RB#0



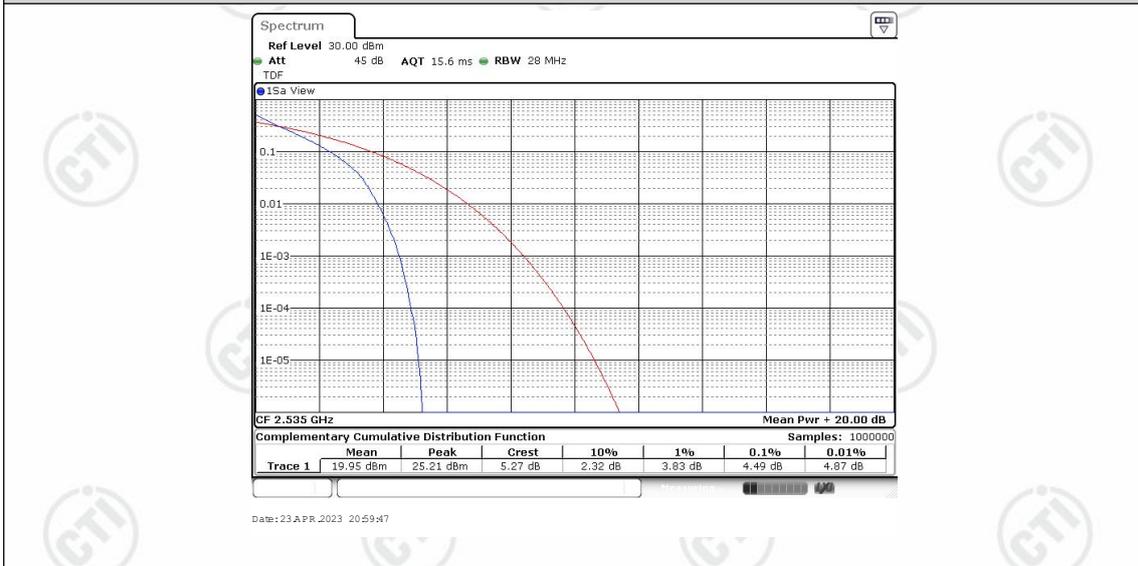
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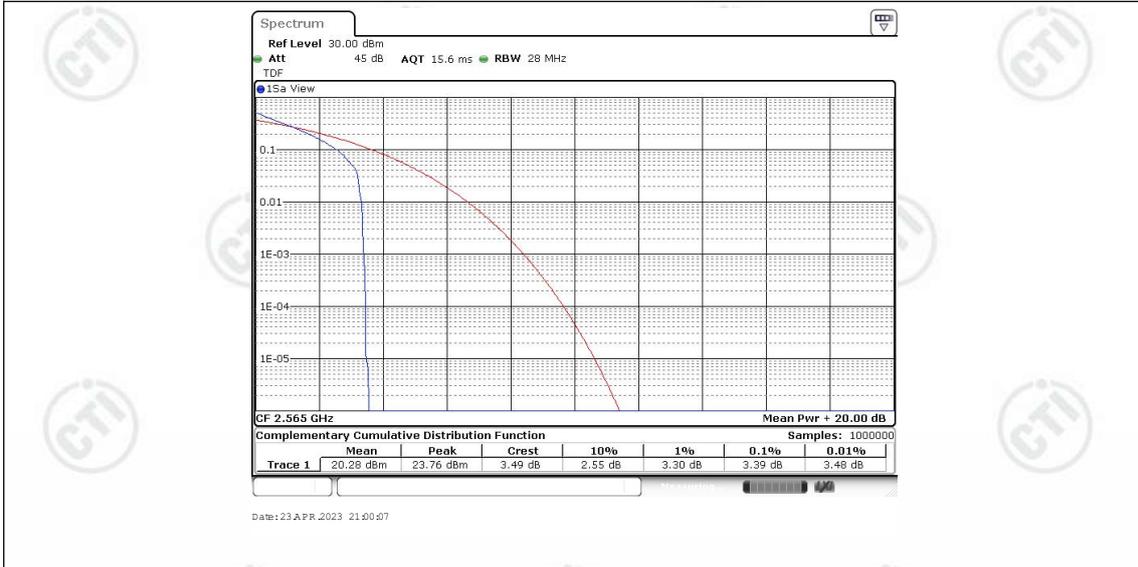
Band7-10MHz-QPSK-21100-1RB#0



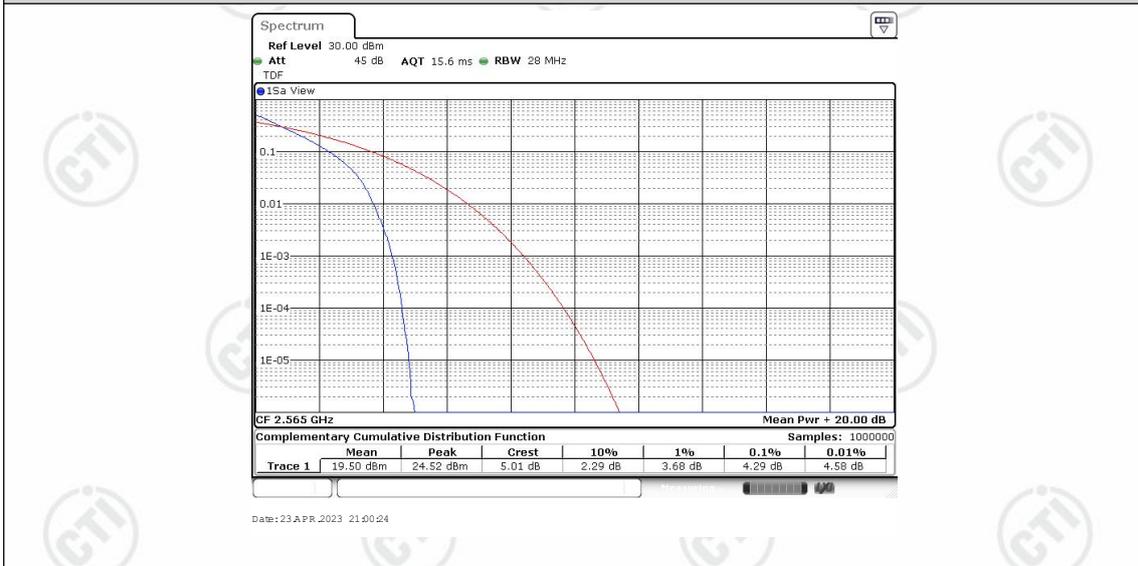
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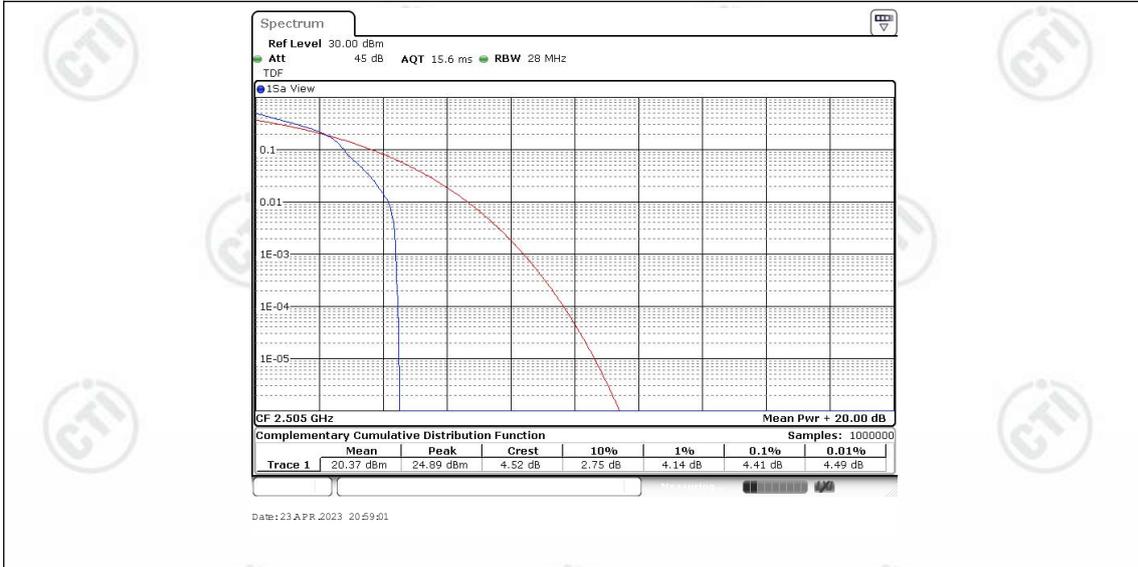
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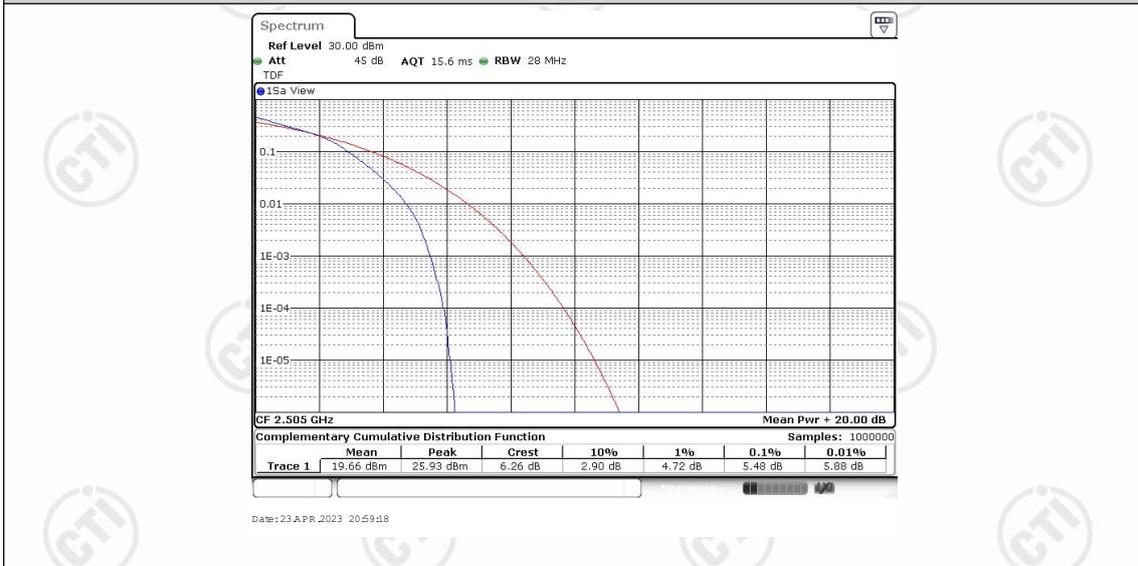
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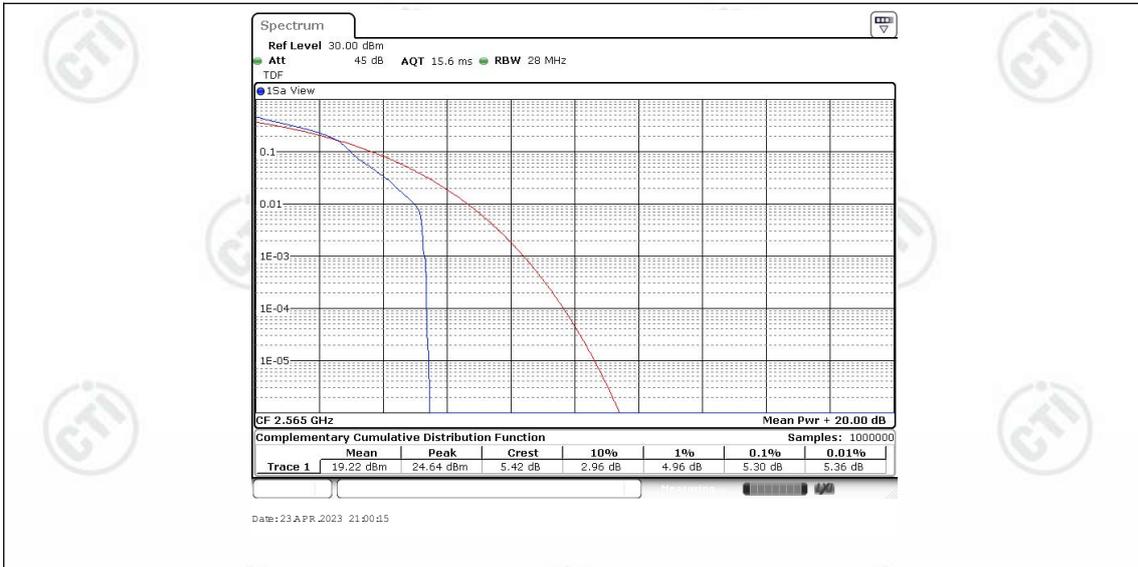
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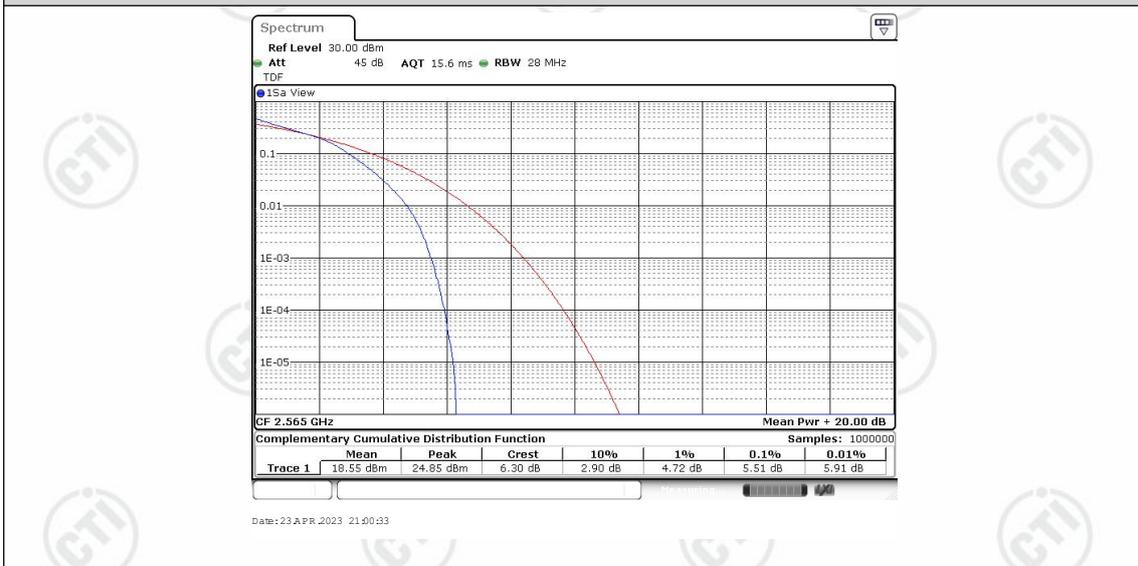
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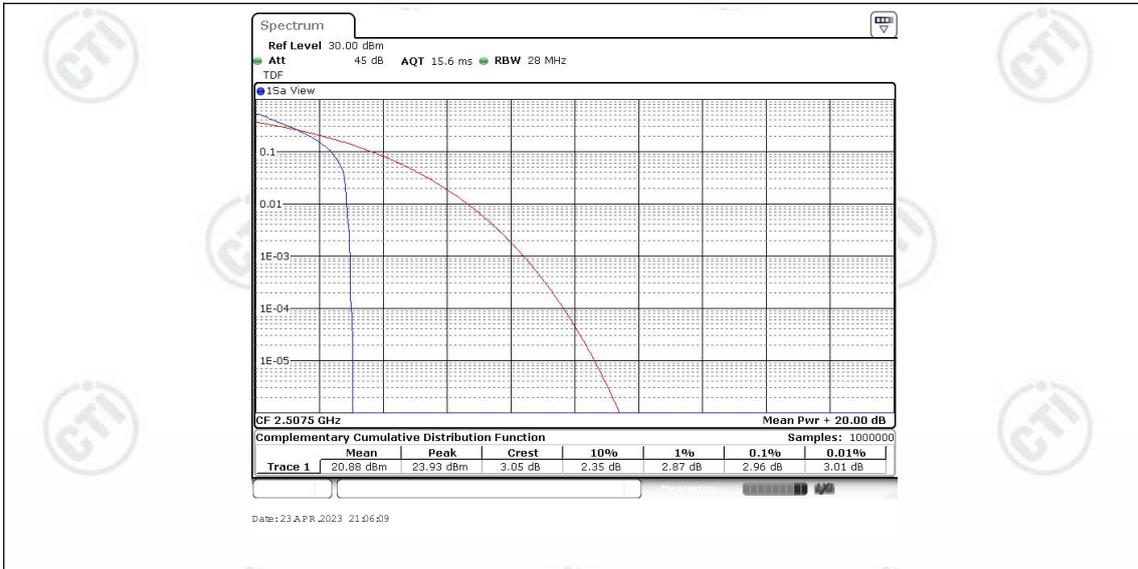
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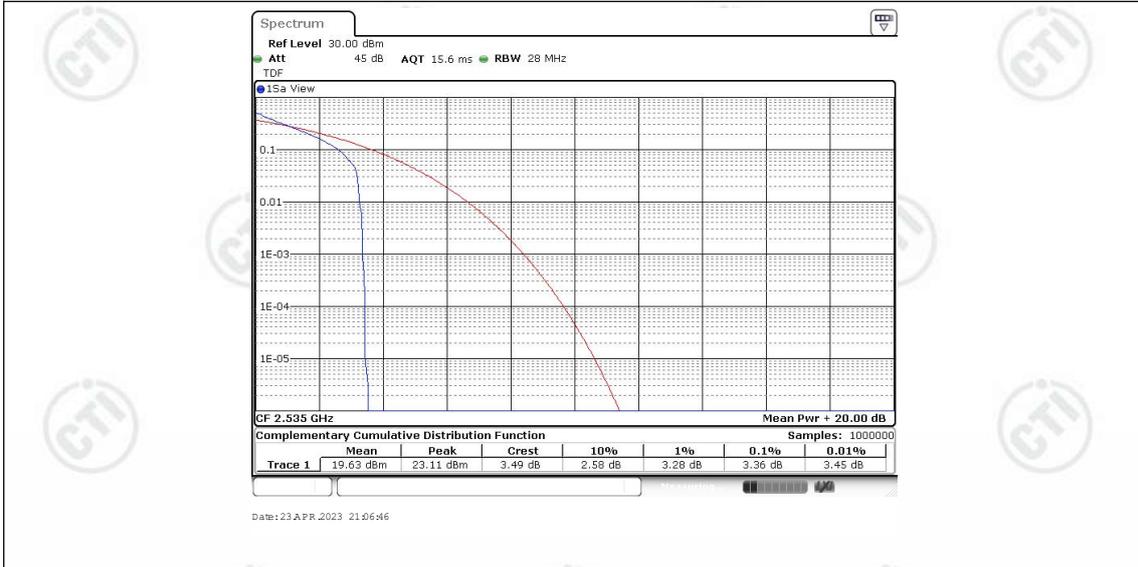
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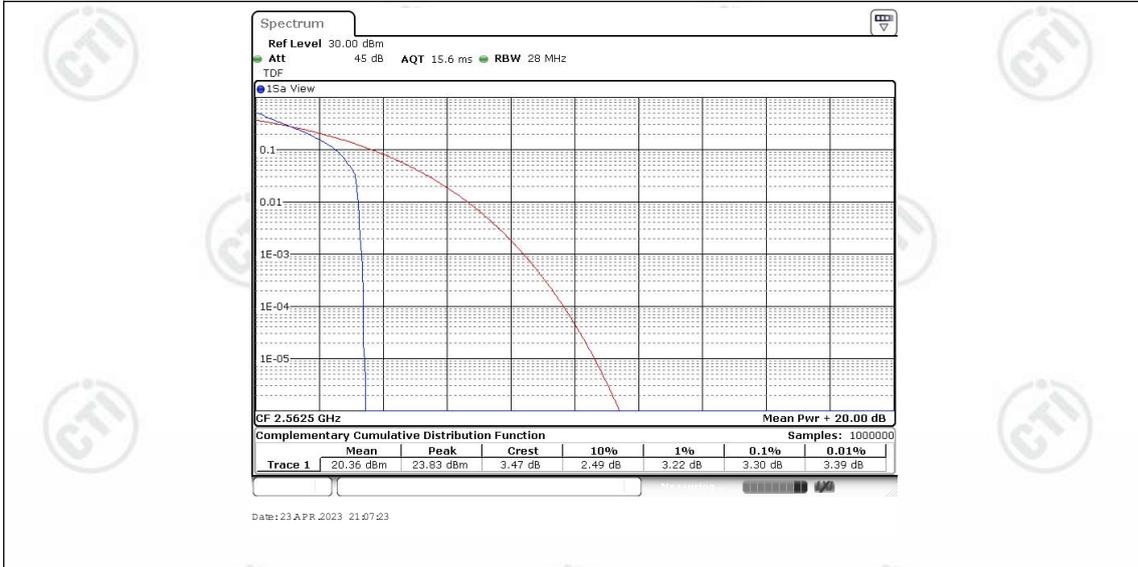
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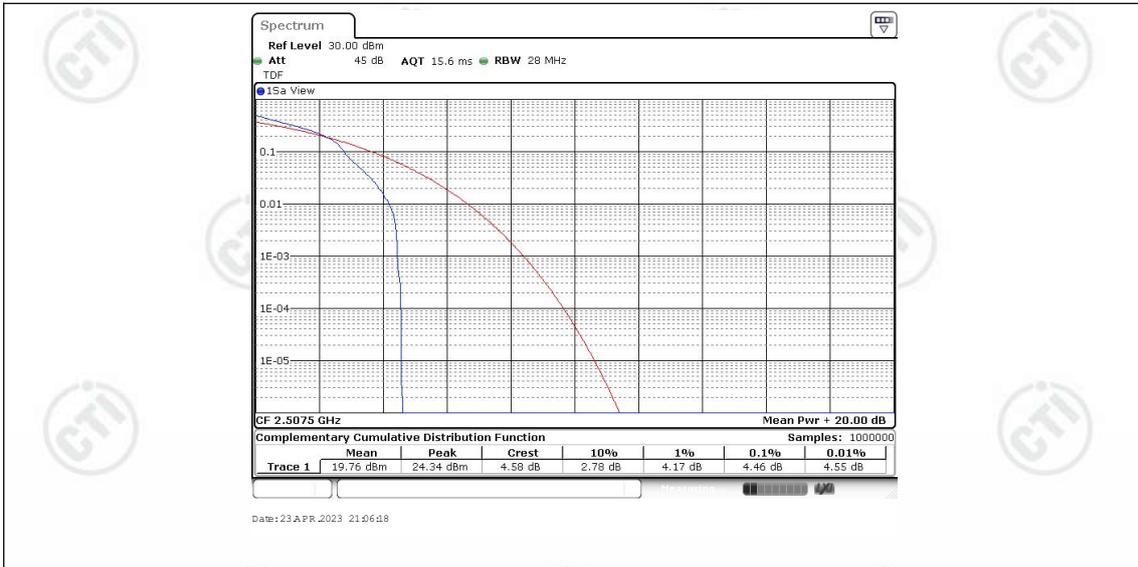
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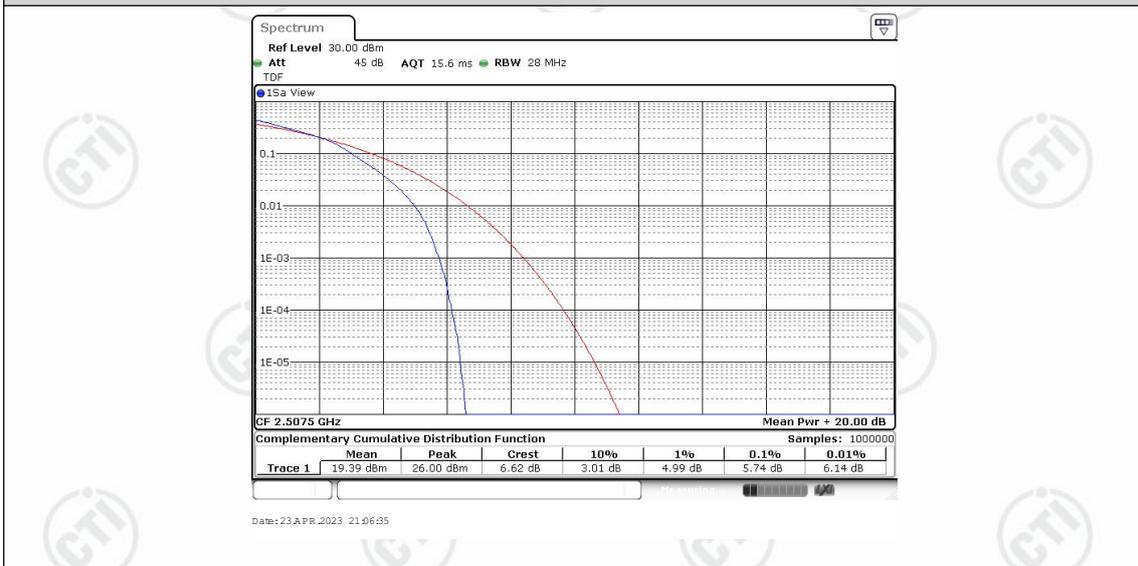
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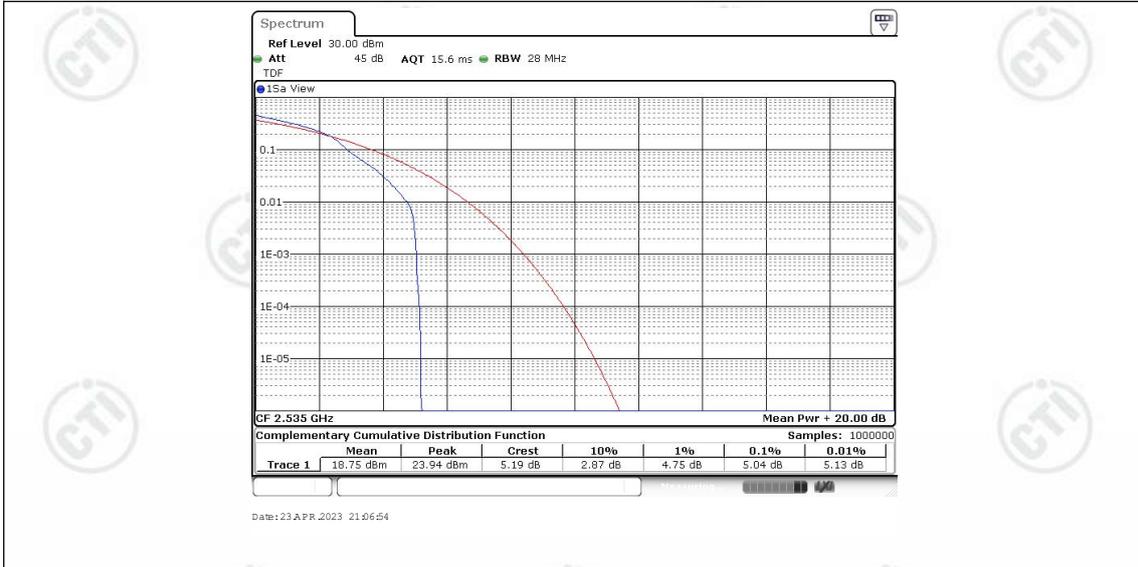
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