Appendix for LTE Band 38

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.91	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.38	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.71	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.93	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.94	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.48	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.24	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.37	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.12	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.89	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.36	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.38	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.94	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.16	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.77	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.05	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.05	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.99	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.99	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.17	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.93	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.01	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.25	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.88	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.01	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.01	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.36	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.21	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.76	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.43	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.13	PASS

Band38	5MHz	16QAM	38000	12RB#0	20.41	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.41	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.98	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.11	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.47	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.78	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.80	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.99	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.90	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.08	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.97	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.69	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.67	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.05	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.31	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.31	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.03	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.63	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.80	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.28	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.49	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.52	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.61	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.85	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.20	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.24	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.11	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.23	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.48	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.58	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.07	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.84	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.53	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.39	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.88	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.29	PASS

Band38	10MHz	16QAM	37800	25RB#12	20.18	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.92	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.64	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.09	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.08	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.86	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.55	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.55	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.89	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.23	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.18	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.06	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.09	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.52	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.61	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.11	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.87	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.71	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.04	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.05	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.51	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.83	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.08	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.93	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.75	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.98	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.14	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.02	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.01	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.25	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.21	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.56	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.61	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.14	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.39	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.78	PASS

Band38	15MHz	QPSK	38175	38RB#37	22.98	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.54	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.81	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.96	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.10	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.51	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.95	PASS
Band38	15MHz	16QAM	37825	38RB#37	23.08	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.91	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.02	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.16	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.28	PASS
Band38	15MHz	16QAM	38000	38RB#0	23.01	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.07	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.45	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.23	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.80	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.37	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.89	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.38	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.78	PASS
Band38	15MHz	16QAM	38175	38RB#37	23.39	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.54	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.82	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.68	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.79	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.70	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.71	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.26	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.06	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.28	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.51	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.38	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.87	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.87	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.76	PASS

Band38	20MHz	QPSK	38000	100RB#0	22.25	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.17	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.99	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.82	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.75	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.65	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.75	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.21	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.25	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.84	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.23	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.79	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.80	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.28	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.06	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.91	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.98	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.08	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.91	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.90	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.61	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.25	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.12	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.84	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.66	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.72	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.73	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.82	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.22	PASS

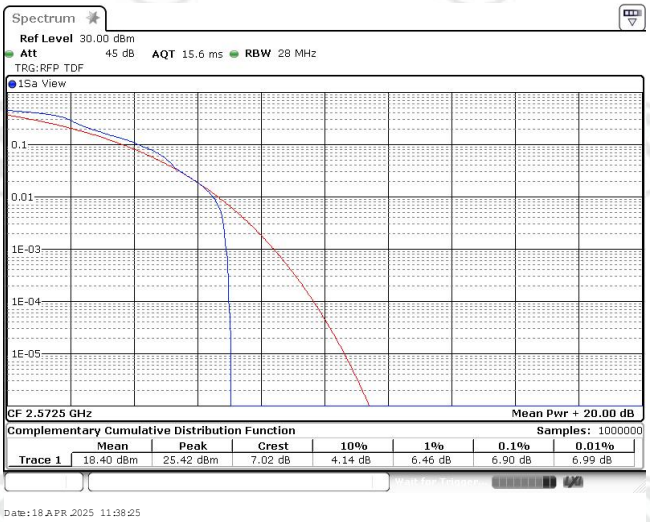
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

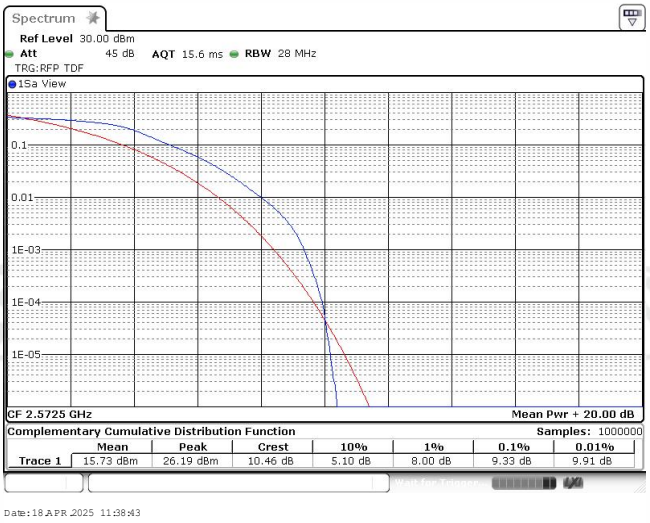
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	6.90	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.33	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.78	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.33	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.43	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.33	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.39	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.71	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.71	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.83	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.39	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	10.03	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	5.86	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.84	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.96	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.25	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.49	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.19	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.57	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.91	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.51	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.06	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.88	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.62	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	4.78	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.30	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.55	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.04	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.64	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.22	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	10.00	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.74	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.68	13	PASS

Band38	15MHz	16QAM	38000	75RB#0	10.14	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.86	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.94	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	4.72	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.52	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.67	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.07	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.96	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.04	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.74	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.80	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.39	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.97	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.94	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.57	13	PASS

Test Graphs



Band38-5MHz-QPSK-37775-1RB#0



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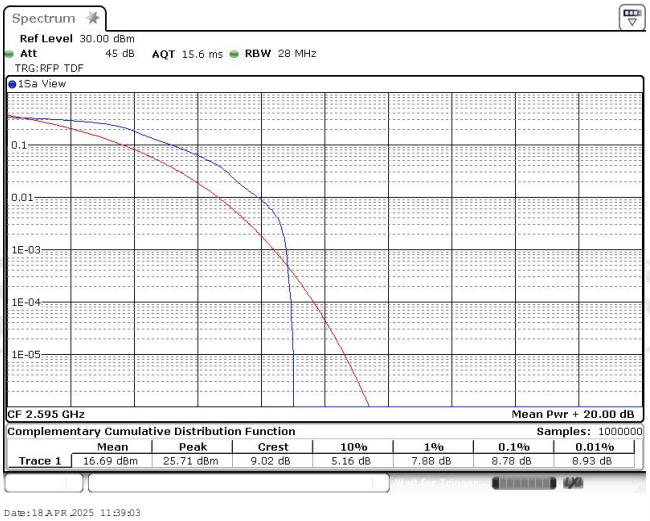

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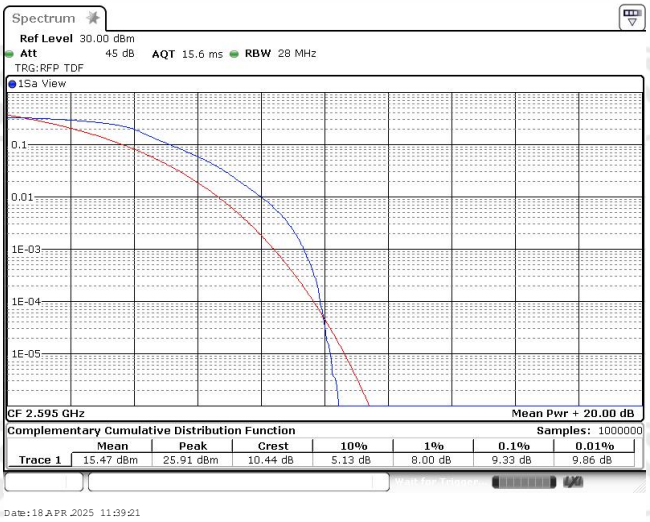

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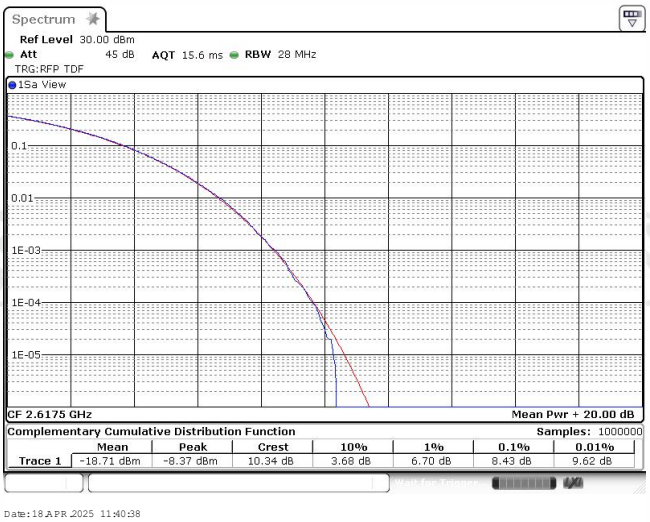

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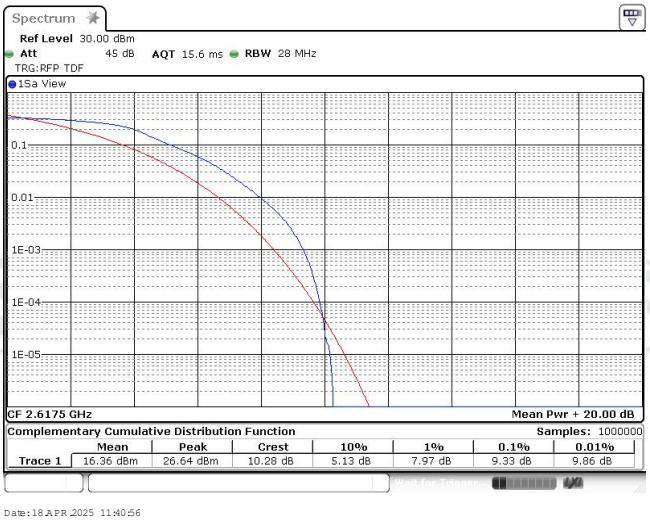

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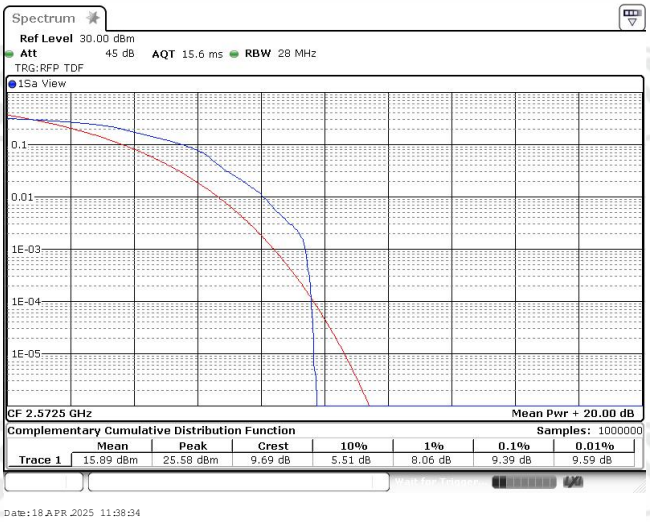
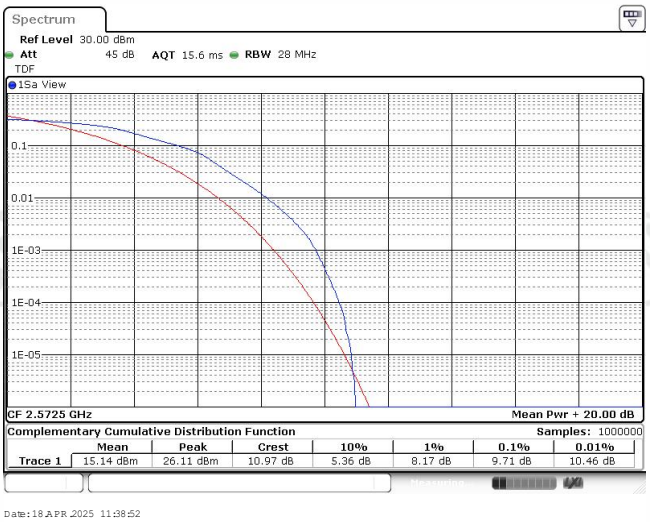
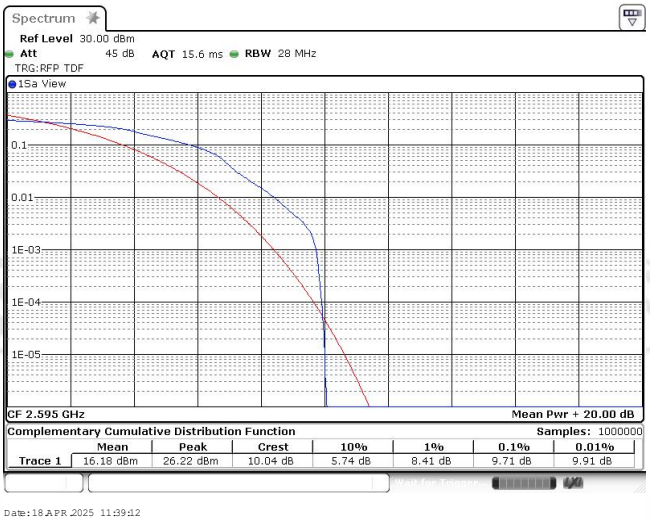


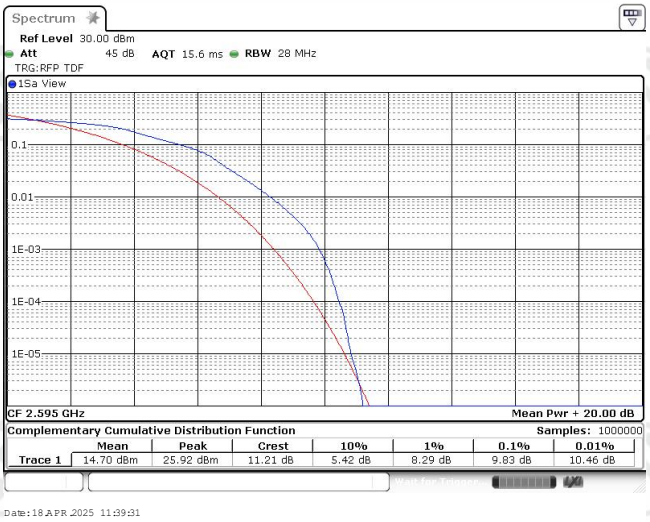
Band38-5MHz-16QAM-37775-1RB#0



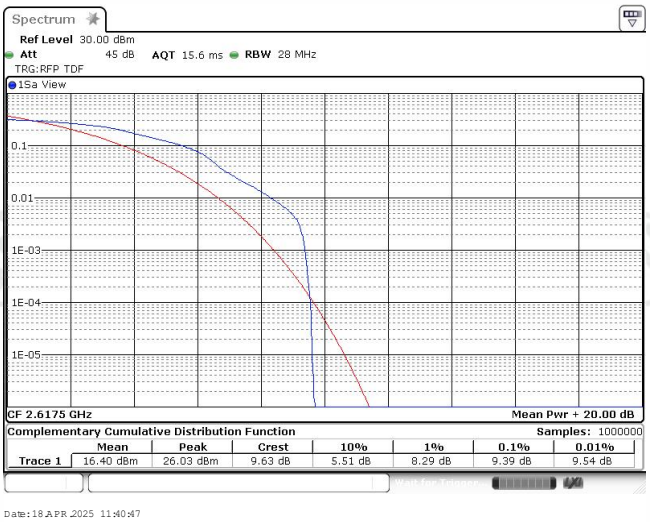
Band38-5MHz-16QAM-37775-25RB#0



Band38-5MHz-16QAM-38000-1RB#0



Band38-5MHz-16QAM-38000-25RB#0



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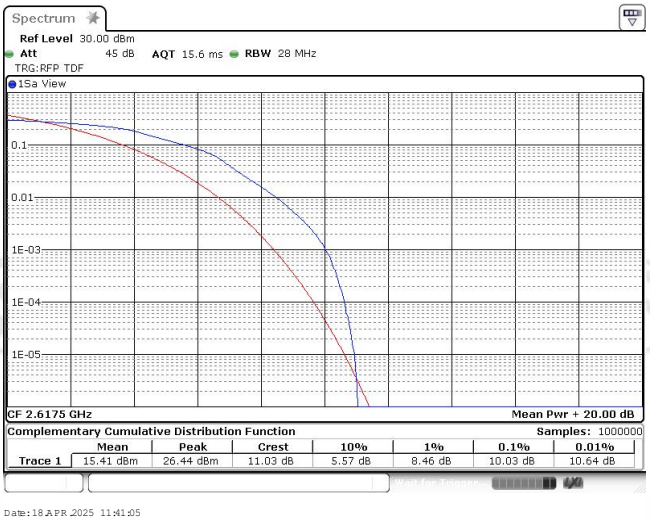
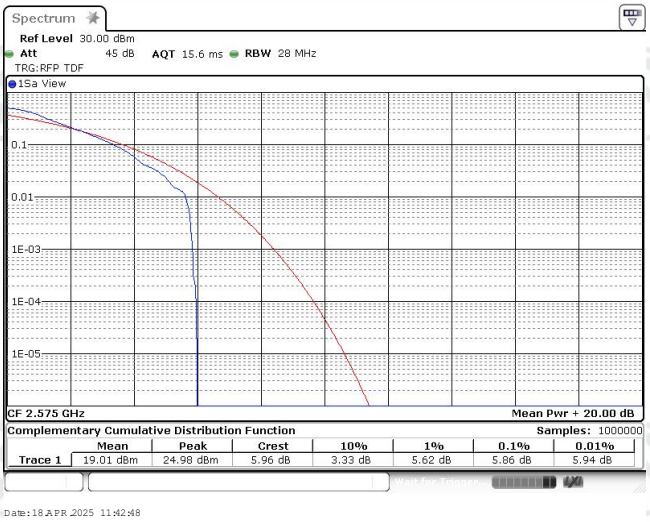
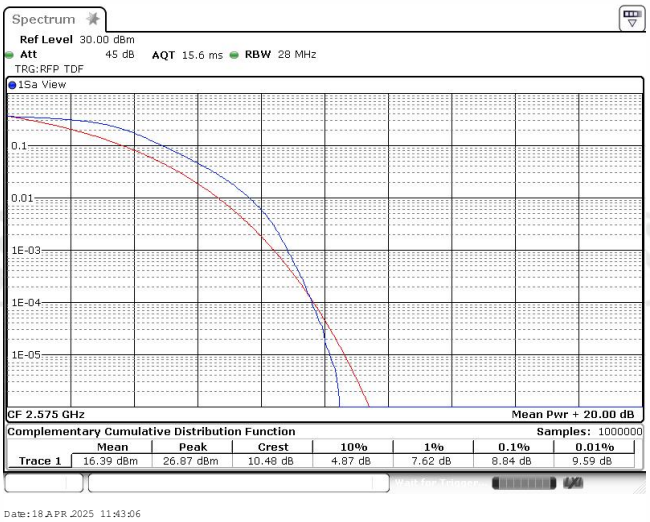


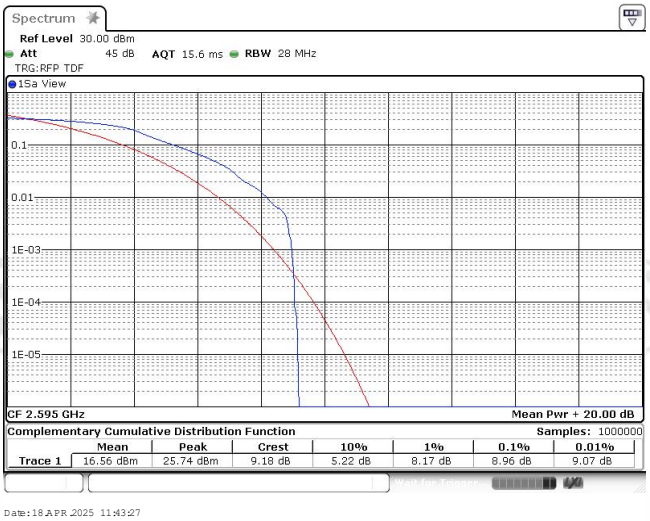
Band38-5MHz-16QAM-38225-25RB#0



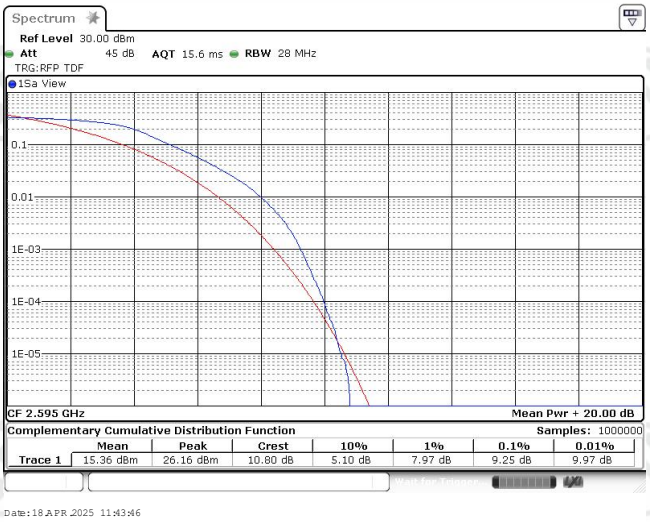
Band38-10MHz-QPSK-37800-1RB#0



Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38000-1RB#0



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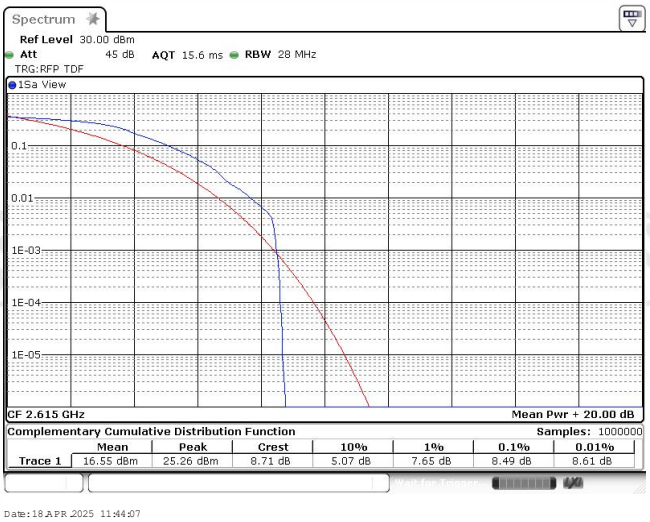

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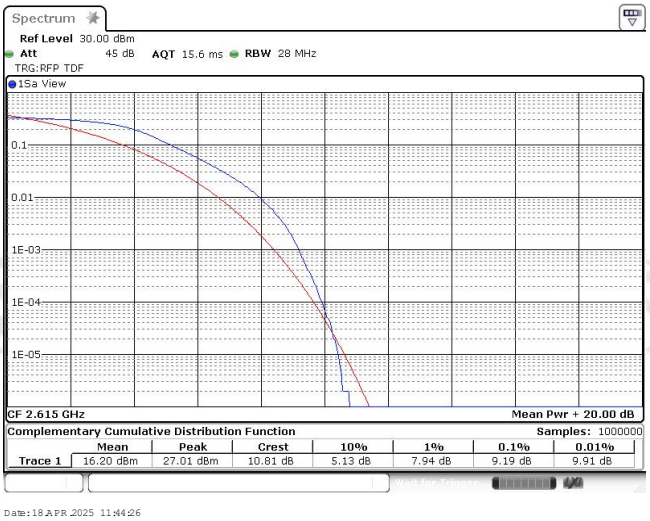

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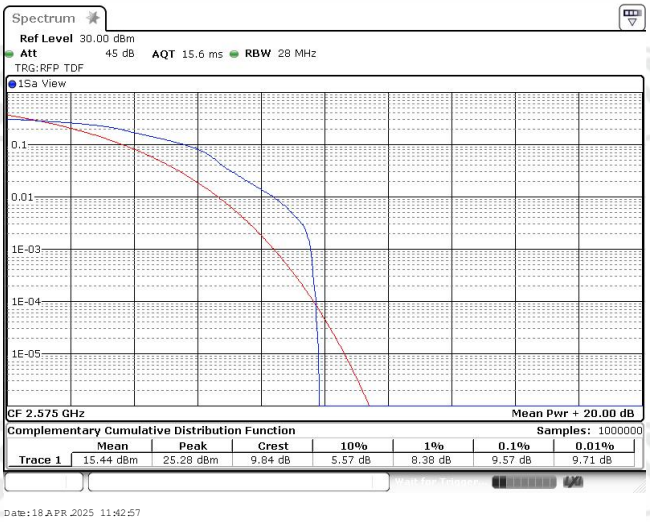

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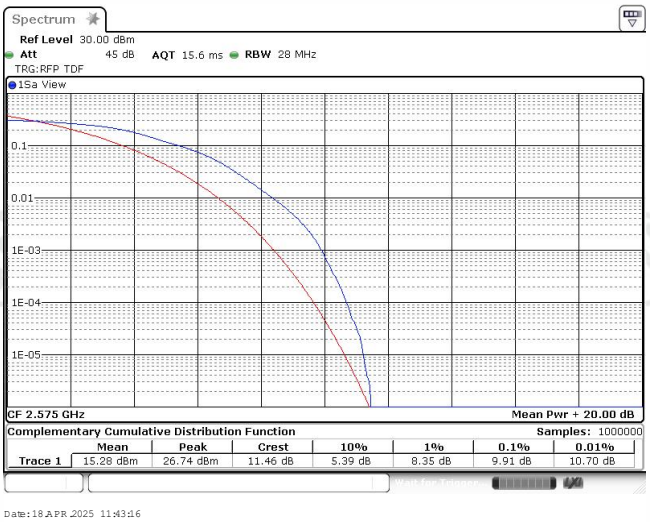

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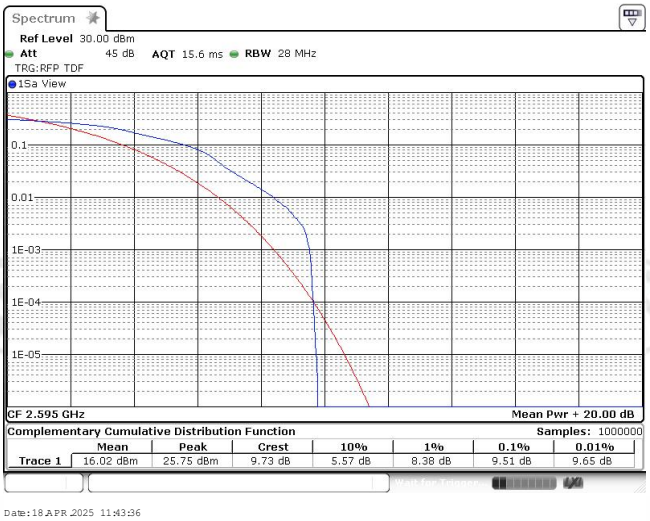

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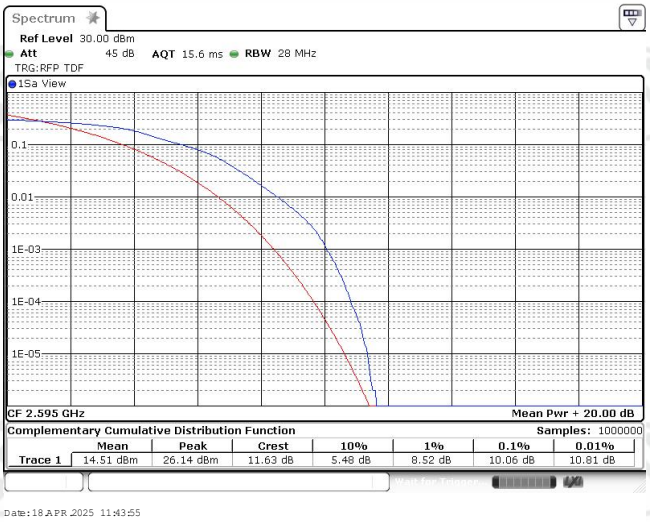

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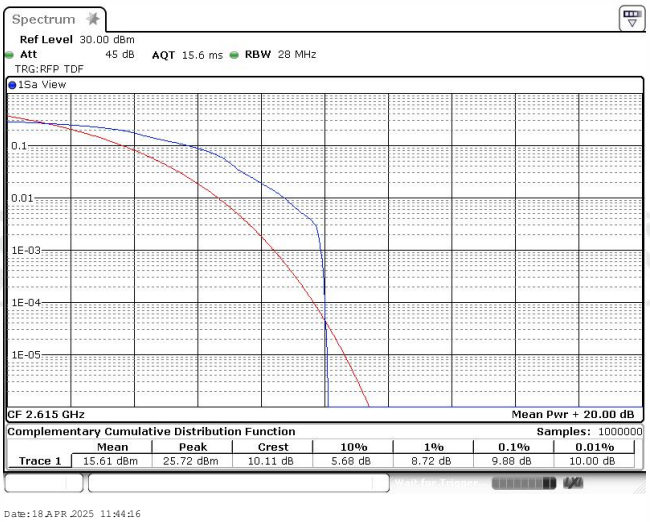

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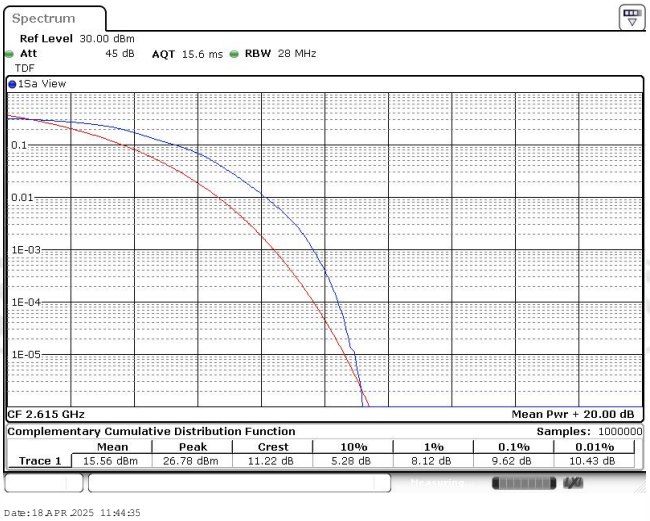

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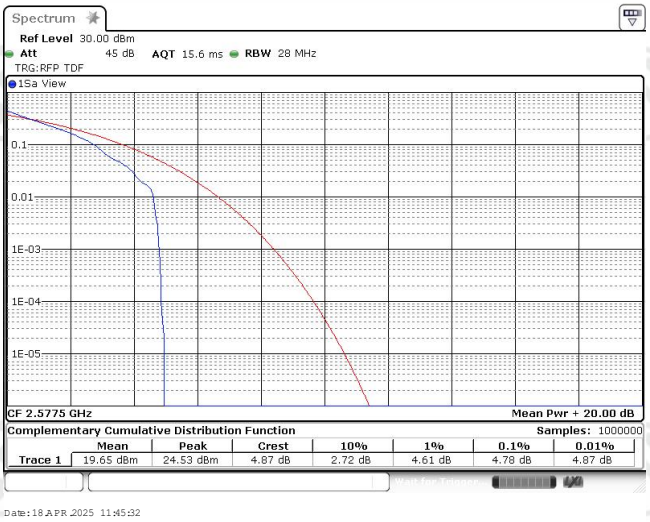
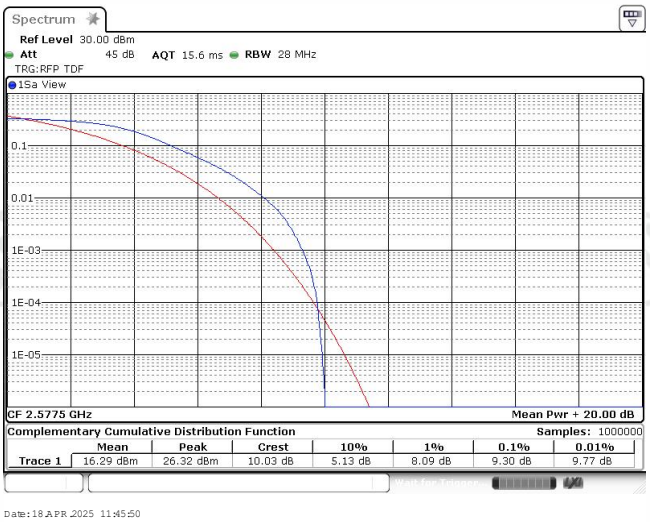


Band38-15MHz-QPSK-37825-1RB#0



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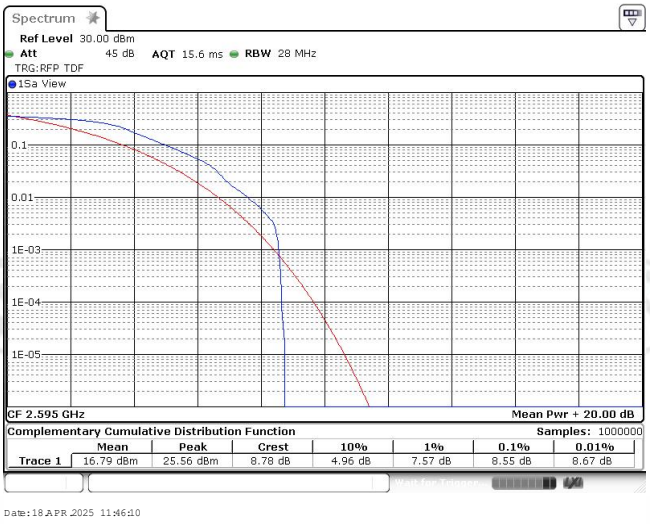

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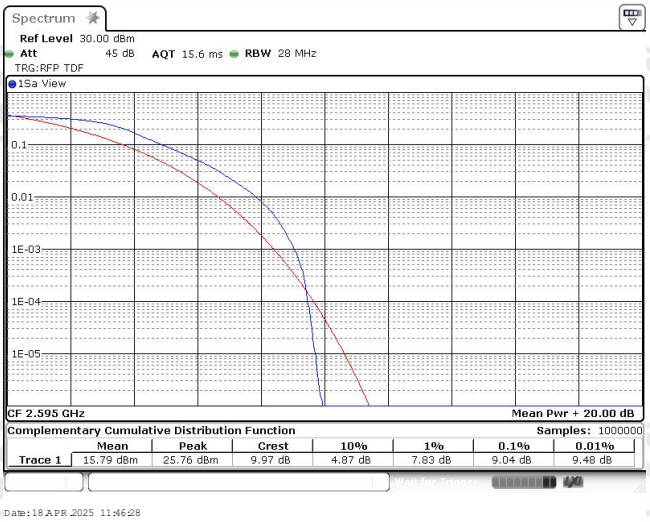

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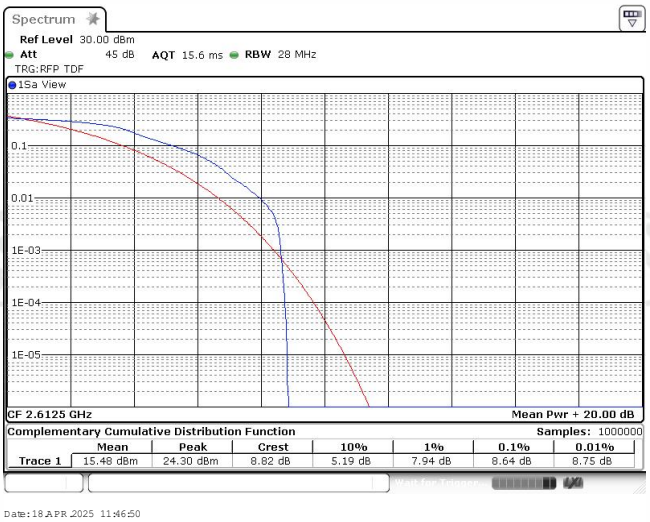

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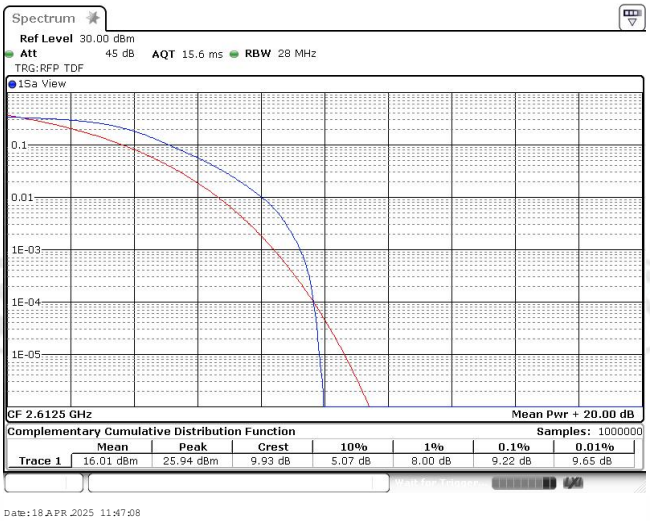

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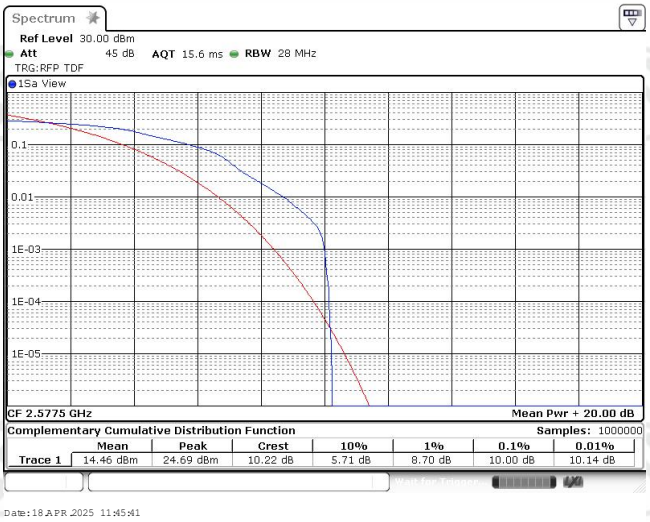

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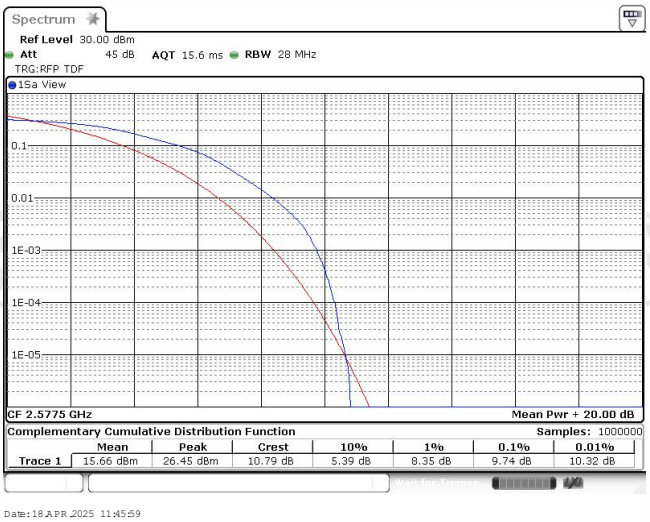

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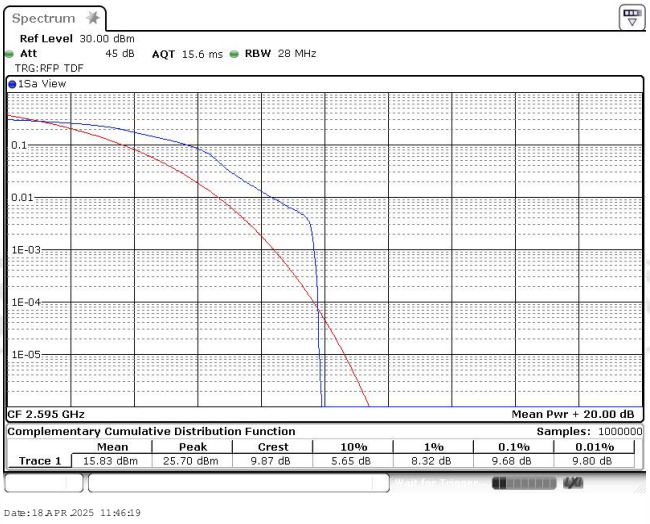

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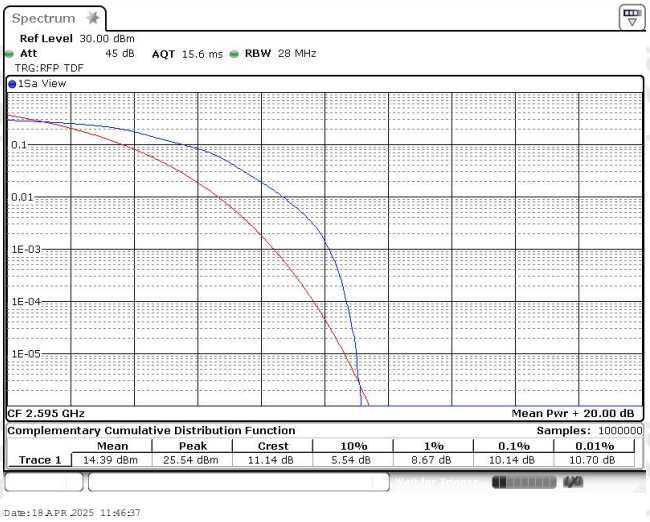

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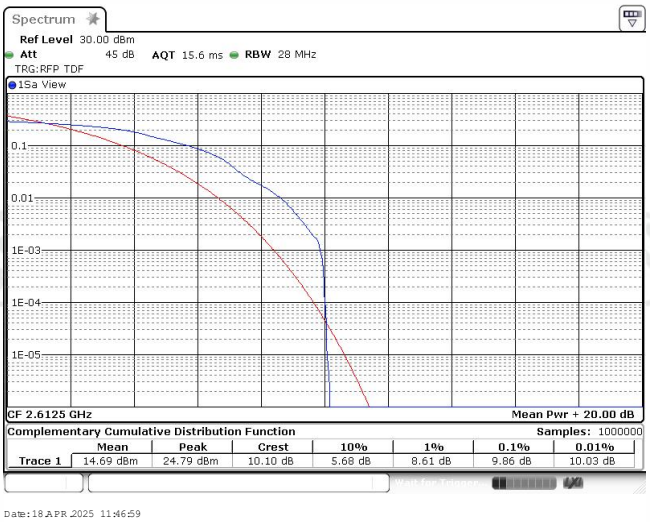

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