

Appendix :LTE Band5

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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
Band5	1.4MHz	QPSK	20407	1RB#0	23.97	21.82	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.05	21.9	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.02	21.87	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.98	21.83	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.02	21.87	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.98	21.83	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.02	20.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.96	20.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.26	21.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.99	20.84	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.99	20.84	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.11	20.96	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.94	20.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.97	19.82	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.11	21.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.09	21.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.02	21.87	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.00	21.85	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.09	21.94	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.99	21.84	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.10	20.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.99	20.84	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.18	21.03	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.91	20.76	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.96	20.81	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.13	20.98	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.90	20.75	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.17	20.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.15	22	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.14	21.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.10	21.95	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.00	21.85	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.09	21.94	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.00	21.85	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.11	20.96	PASS

Band5	1.4MHz	16QAM	20643	1RB#0	23.12	20.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.22	21.07	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.05	20.9	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.97	20.82	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.21	21.06	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.96	20.81	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.20	20.05	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.08	21.93	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.08	21.93	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.07	21.92	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.04	20.89	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.09	20.94	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.03	20.88	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.04	20.89	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.24	21.09	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.24	21.09	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.02	20.87	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.17	20.02	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.14	19.99	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.13	19.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.13	19.98	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.15	22	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.17	22.02	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.21	22.06	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.11	20.96	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.18	21.03	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.12	20.97	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.10	20.95	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.04	20.89	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.31	21.16	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.09	20.94	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.23	20.08	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.20	20.05	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.22	20.07	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.16	20.01	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.23	22.08	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.16	22.01	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.21	22.06	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.16	21.01	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.19	21.04	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.14	20.99	PASS

Band5	3MHz	QPSK	20635	15RB#0	23.15	21	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.12	20.97	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.31	21.16	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.10	20.95	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.27	20.12	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.26	20.11	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.24	20.09	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.20	20.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.11	21.96	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.04	21.89	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.17	22.02	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.06	20.91	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.17	21.02	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.10	20.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.20	21.05	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.20	21.05	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.03	20.88	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.23	21.08	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.20	20.05	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.29	20.14	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.23	20.08	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.26	20.11	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.19	22.04	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.11	21.96	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.15	22	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.16	21.01	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.18	21.03	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.11	20.96	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.18	21.03	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.41	21.26	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.29	21.14	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.28	21.13	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.32	20.17	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.33	20.18	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.24	20.09	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.20	20.05	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.27	22.12	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.21	22.06	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.21	22.06	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.22	21.07	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.21	21.06	PASS

Band5	5MHz	QPSK	20625	12RB#13	23.15	21	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.20	21.05	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.21	21.06	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.21	21.06	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.17	21.02	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.31	20.16	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.26	20.11	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.31	20.16	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.33	20.18	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.12	21.97	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.17	22.02	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.16	22.01	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.19	21.04	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.15	21	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.23	21.08	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.18	21.03	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.23	21.08	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.19	21.04	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.30	21.15	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.28	20.13	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.26	20.11	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.30	20.15	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.29	20.14	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.14	21.99	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.17	22.02	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.16	22.01	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.24	21.09	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.23	21.08	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.13	20.98	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.14	20.99	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.10	20.95	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.35	21.2	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.07	20.92	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.34	20.19	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.30	20.15	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.26	20.11	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.26	20.11	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.14	21.99	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.18	22.03	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.11	21.96	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.17	21.02	PASS

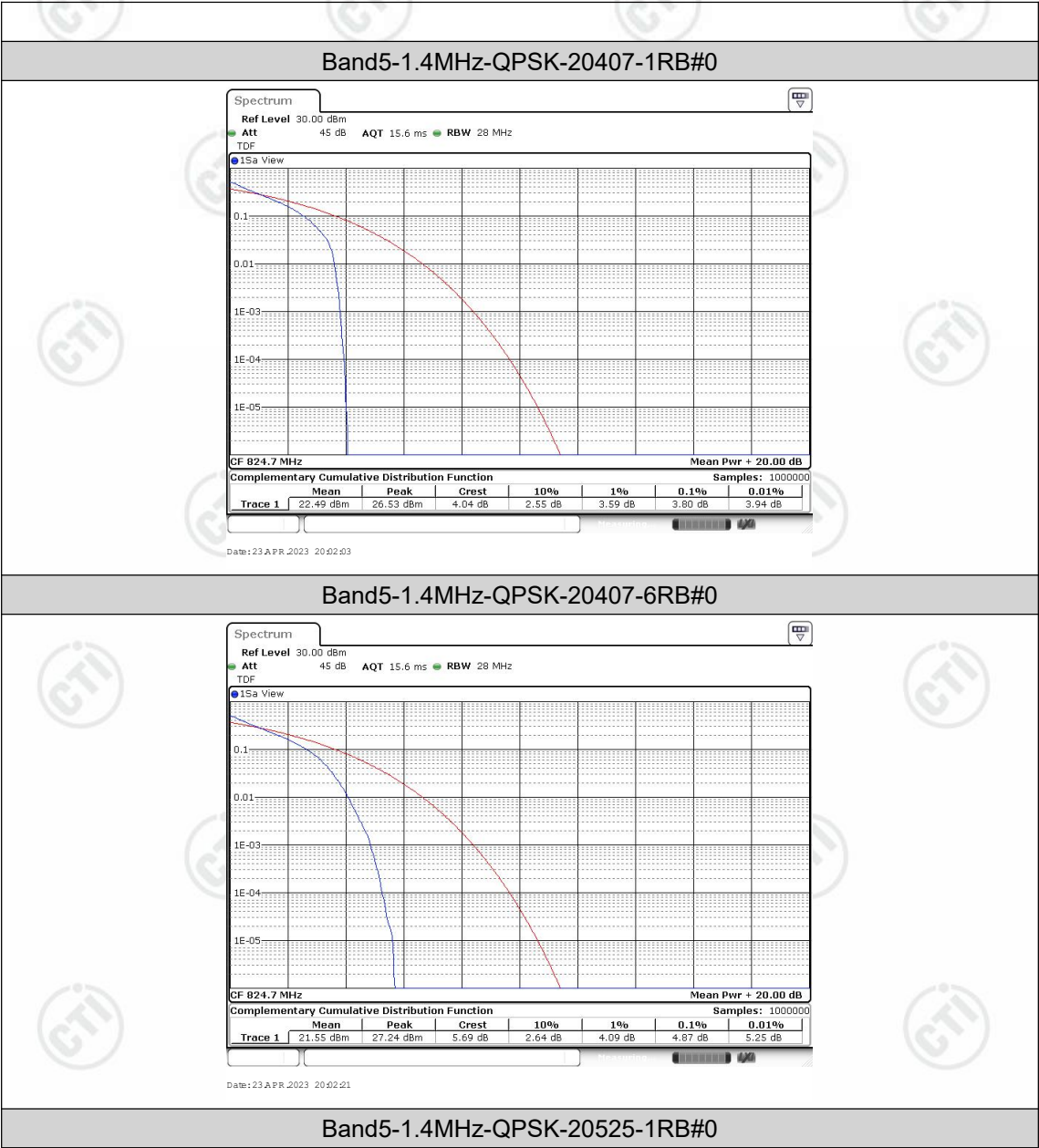
Band5	10MHz	QPSK	20600	25RB#12	23.28	21.13	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.23	21.08	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.08	20.93	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.00	20.85	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.23	21.08	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.97	20.82	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.25	20.1	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.30	20.15	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.29	20.14	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.22	20.07	PASS

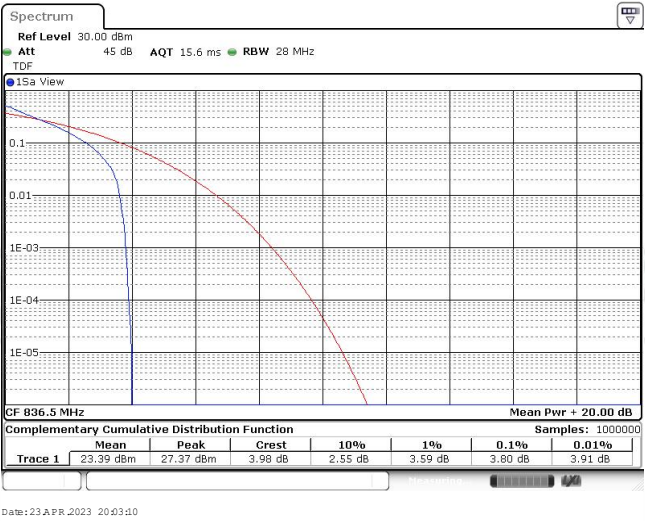
Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.80	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.87	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.80	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.87	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.74	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.75	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.71	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.06	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.71	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.17	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.57	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.00	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.57	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.70	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.59	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.64	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.54	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.61	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.06	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.06	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.30	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.91	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.59	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.90	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.57	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.90	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.57	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.81	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.03	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.42	13	PASS

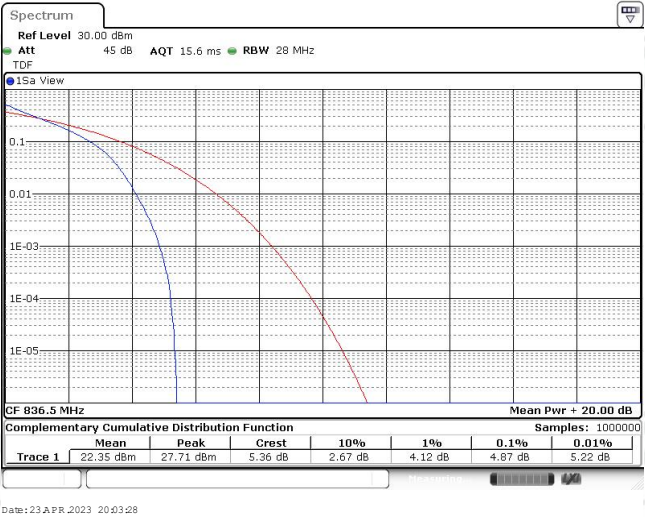
Band5	5MHz	16QAM	20525	25RB#0	6.06	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.97	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.51	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.54	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.81	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.48	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.78	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.00	13	PASS

Test Graphs

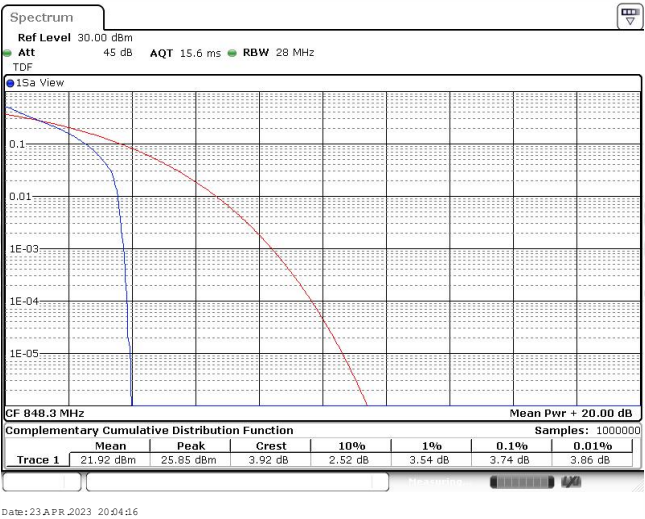




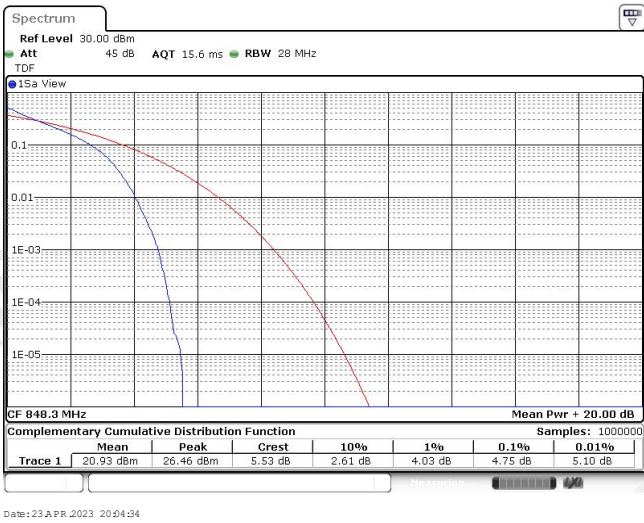
Band5-1.4MHz-QPSK-20525-6RB#0



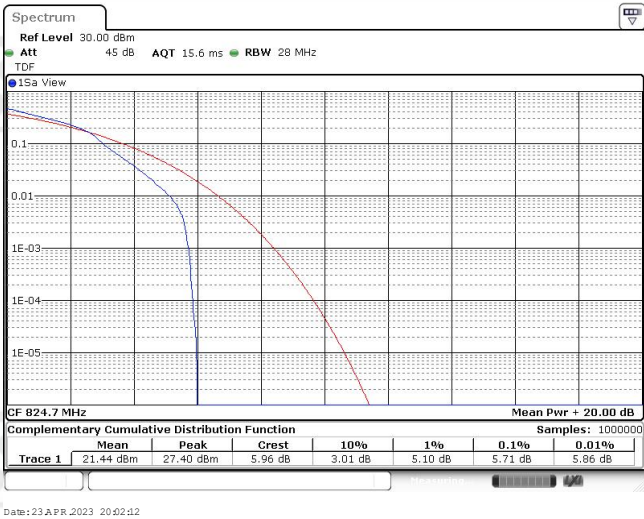
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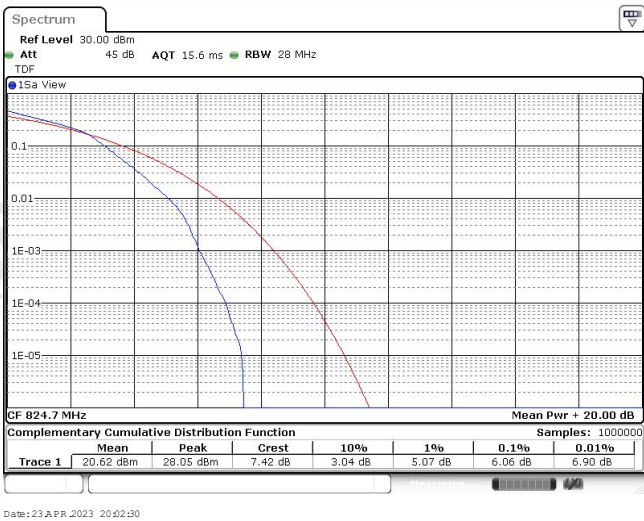
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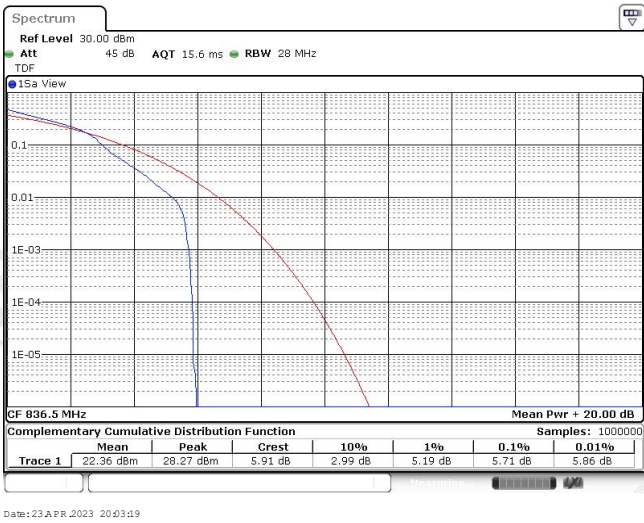
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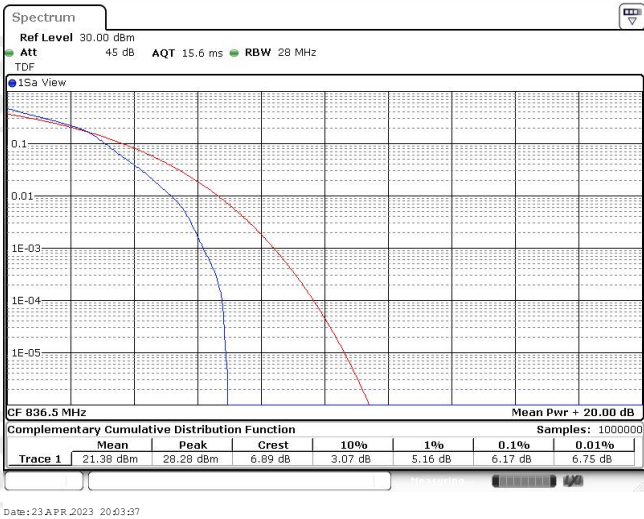
Band5-1.4MHz-16QAM-20407-6RB#0



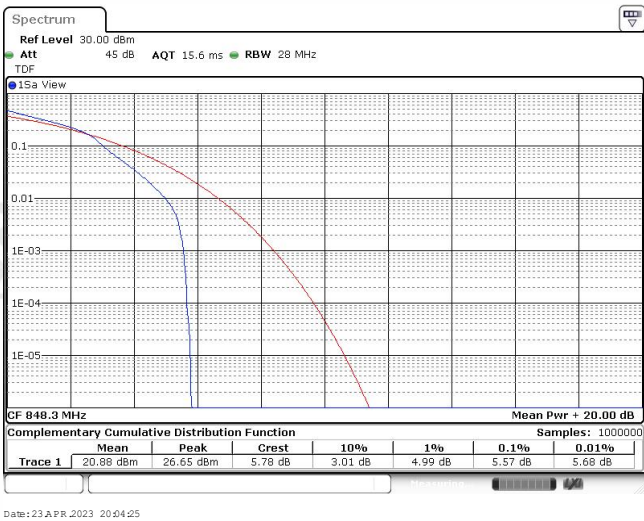
Band5-1.4MHz-16QAM-20525-1RB#0



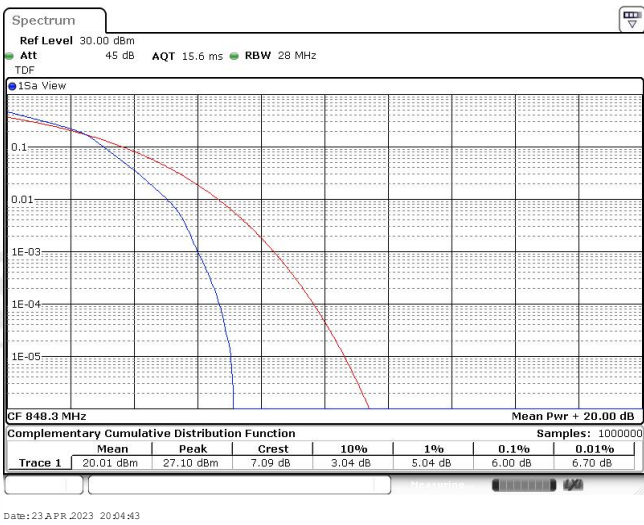
Band5-1.4MHz-16QAM-20525-6RB#0



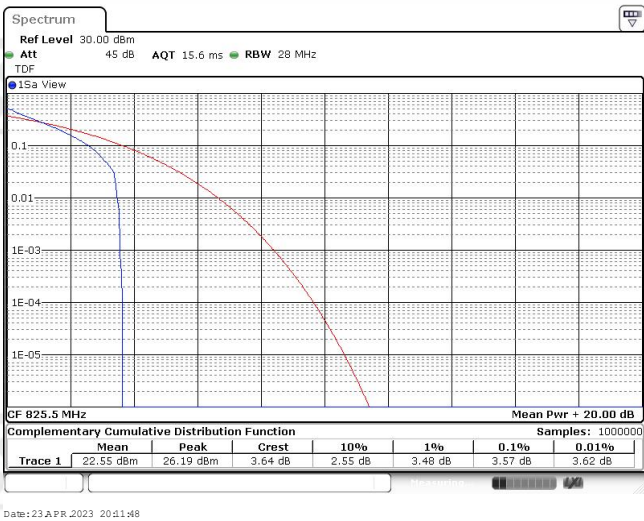
Band5-1.4MHz-16QAM-20643-1RB#0



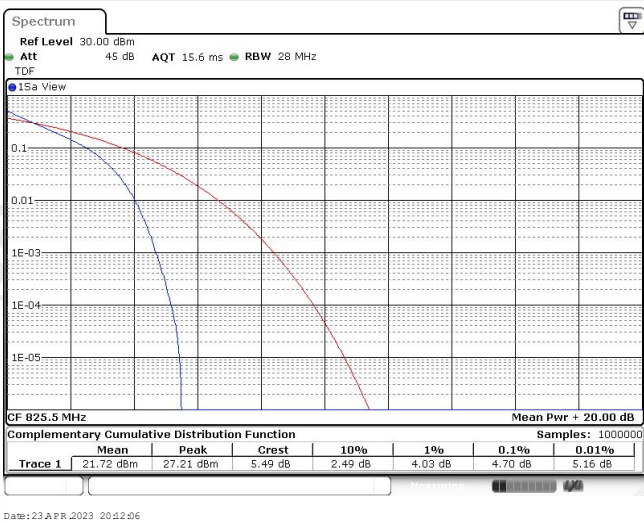
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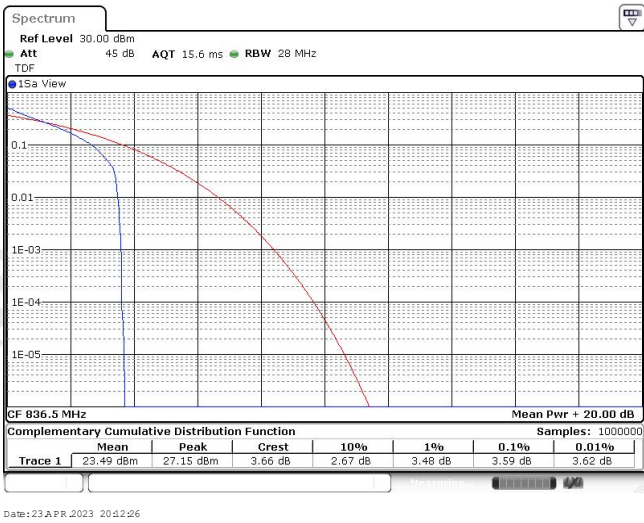
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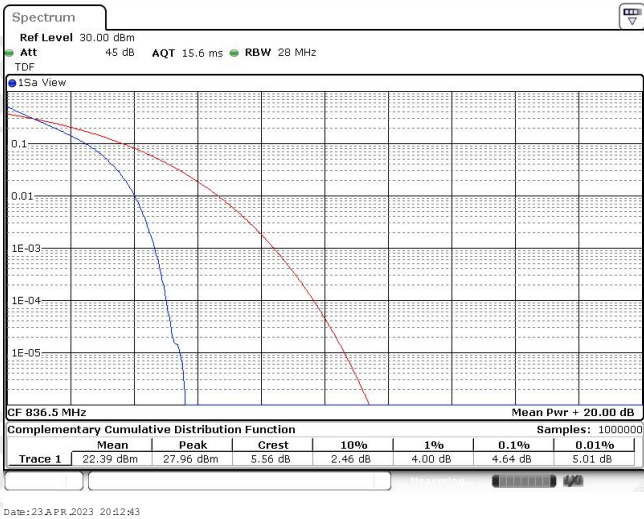
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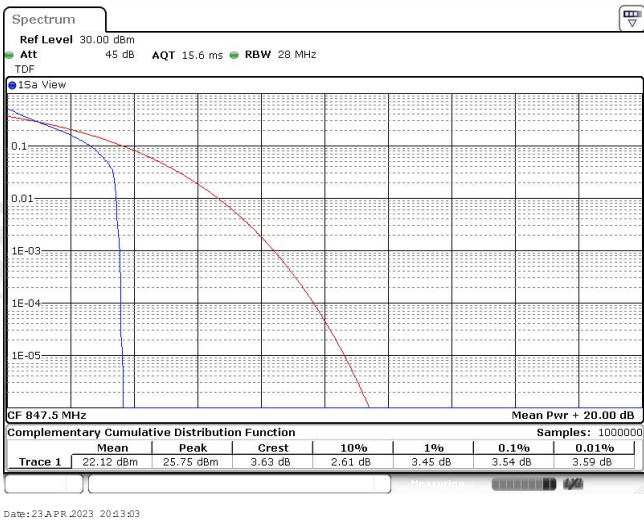
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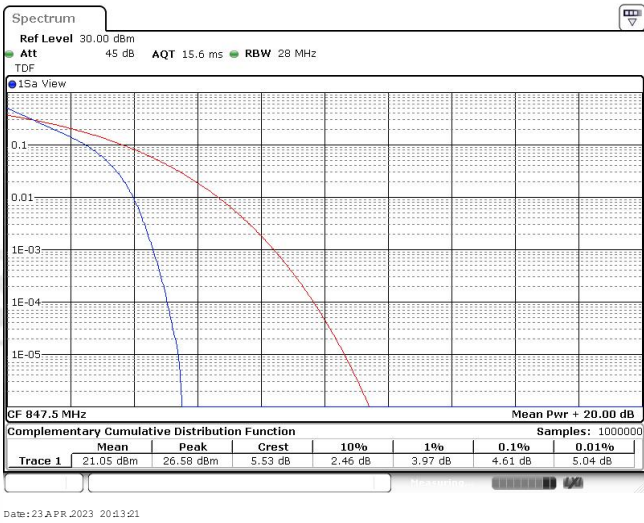
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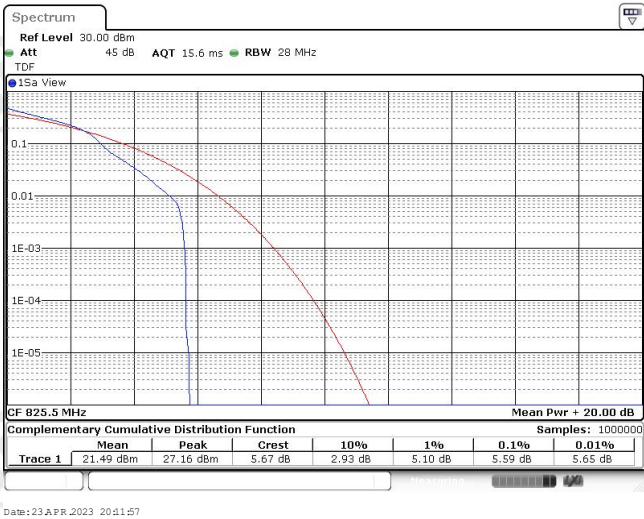
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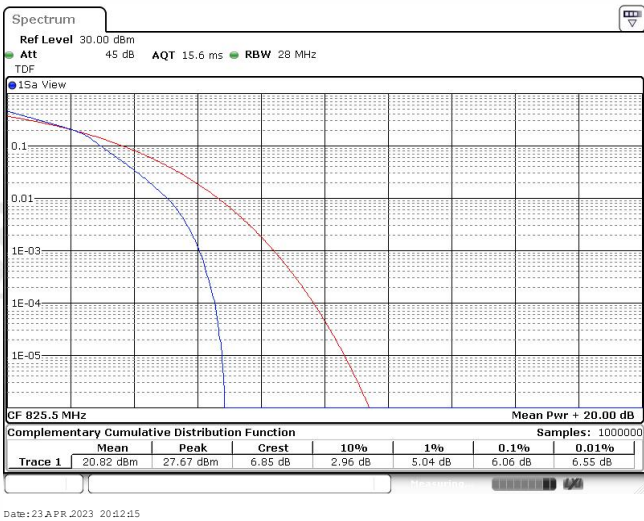
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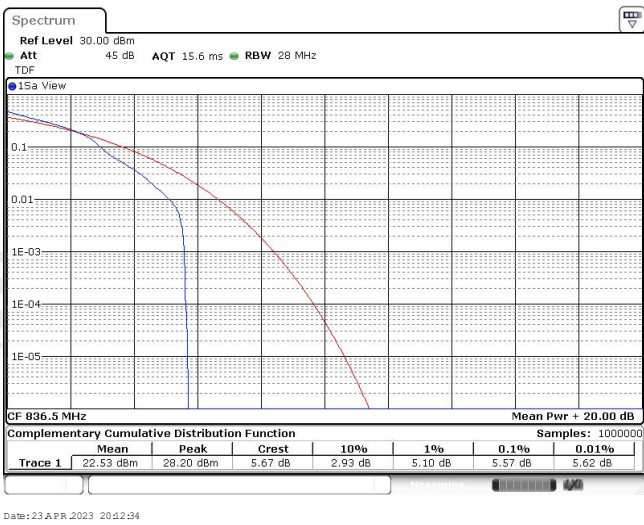
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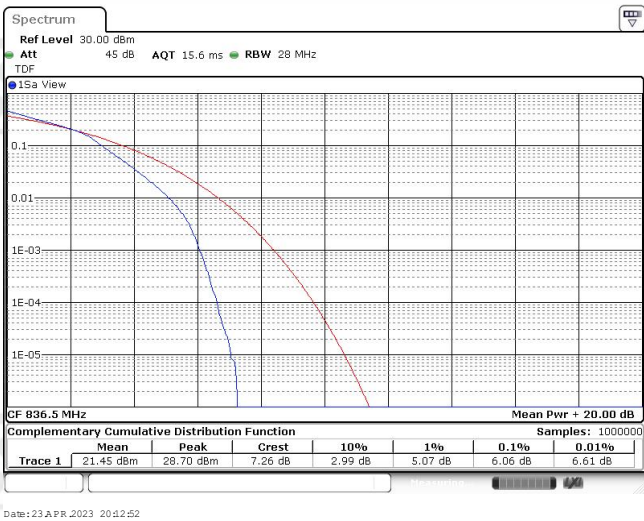
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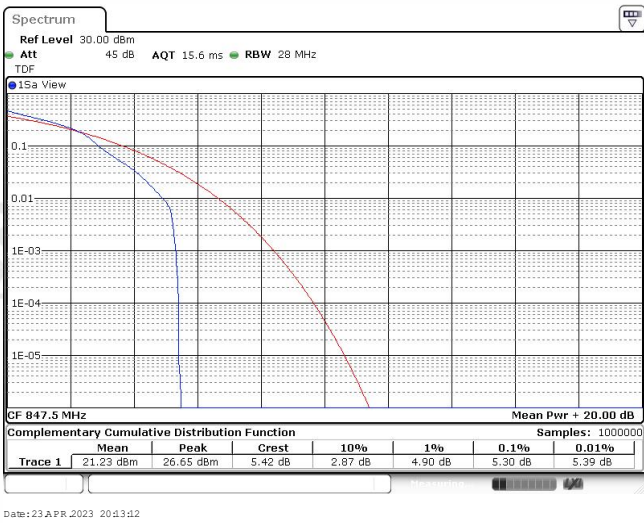
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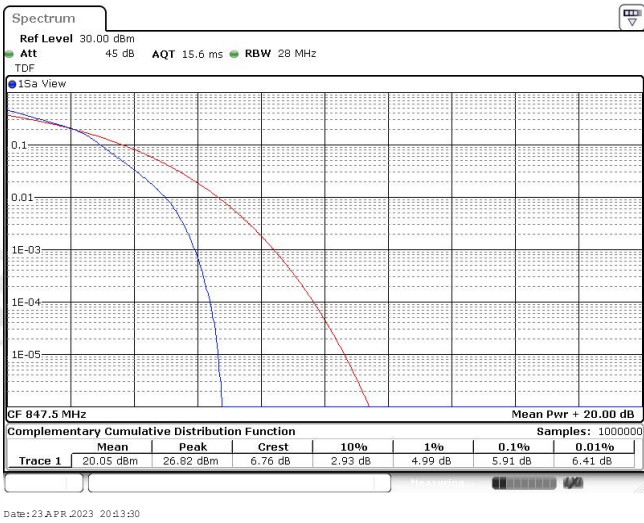
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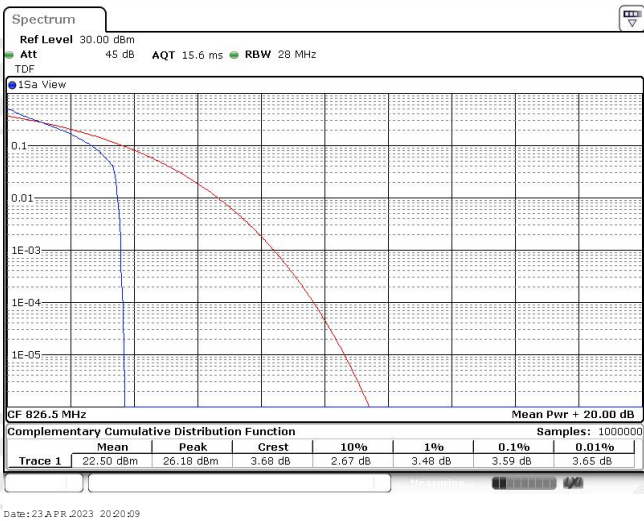
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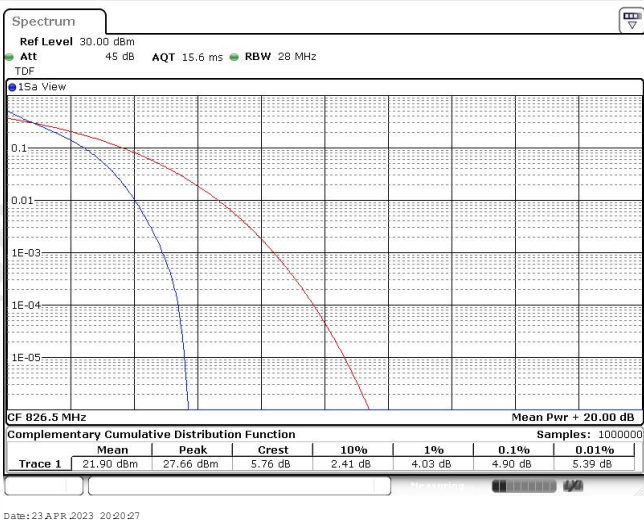
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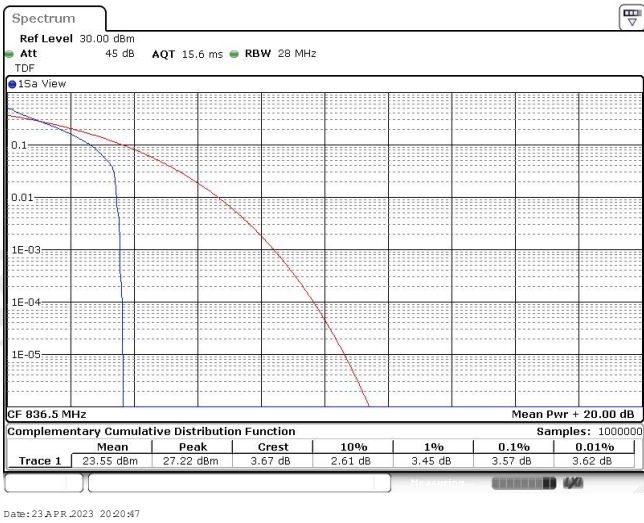
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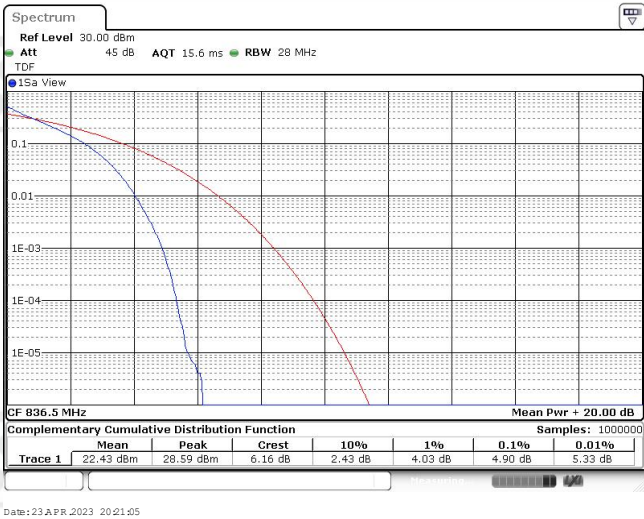
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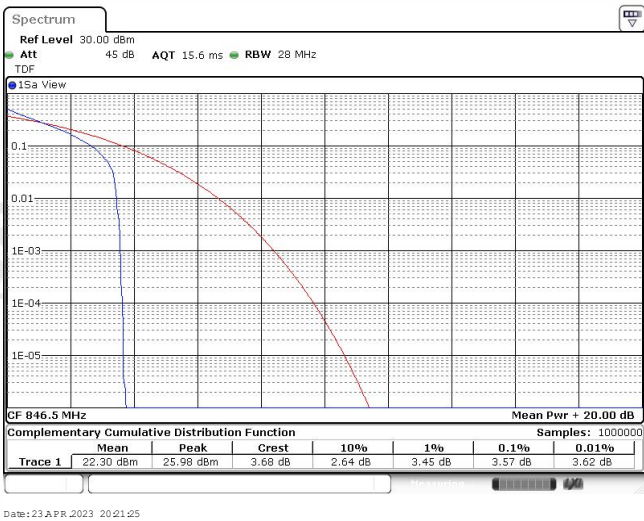
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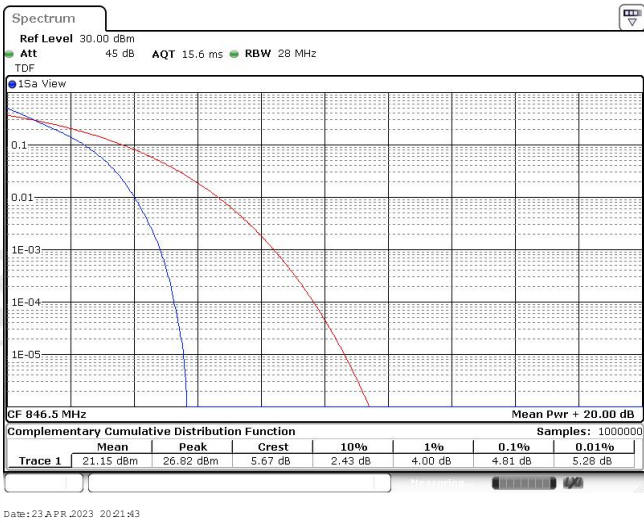
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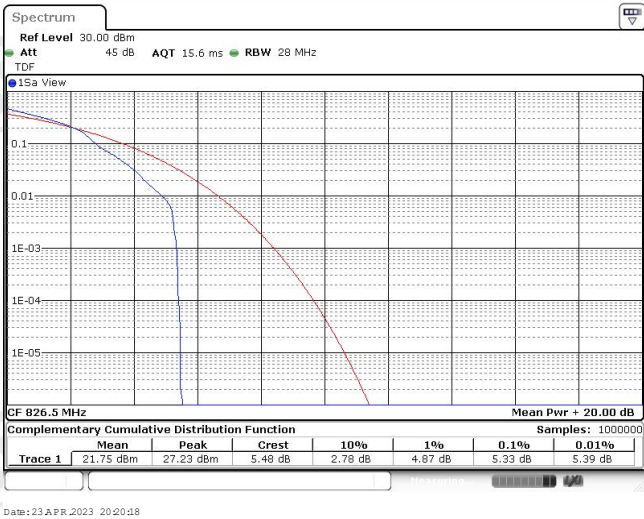
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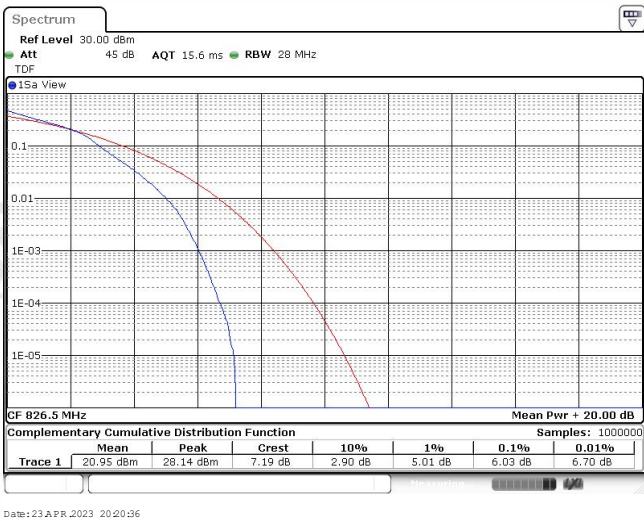
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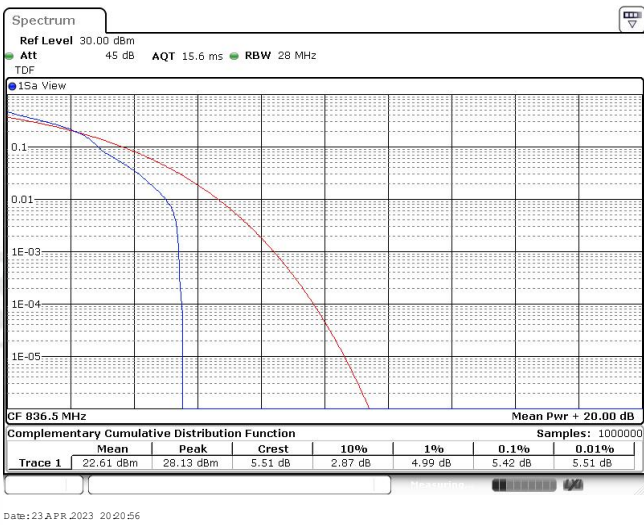
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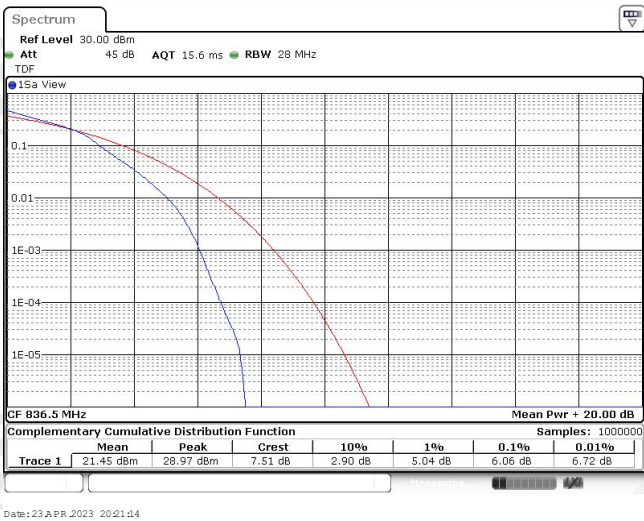
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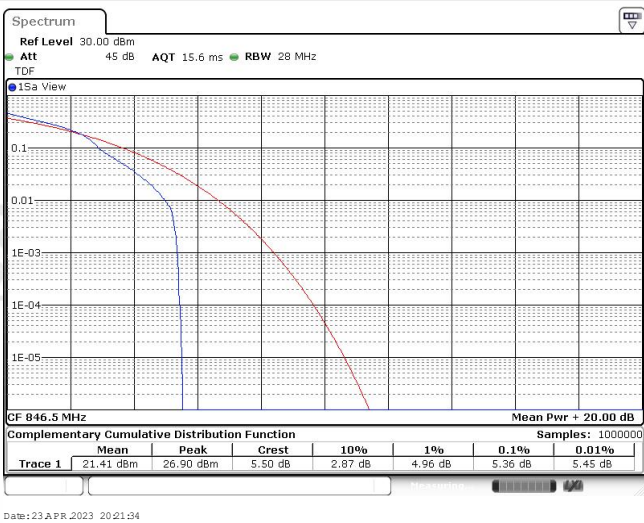
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