

Appendix: LTE Band12

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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
Band12	1.4MHz	QPSK	23017	1RB#0	23.77	21.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.80	21.65	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.78	21.63	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.71	21.56	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.78	21.63	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.71	21.56	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.70	20.55	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.67	20.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.00	20.85	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.74	20.59	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.66	20.51	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.85	20.7	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.68	20.53	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.70	19.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.78	21.63	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.88	21.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.77	21.62	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.75	21.6	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.85	21.7	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.72	21.57	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.86	20.71	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.64	20.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.87	20.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.65	20.5	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.65	20.5	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.81	20.66	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.67	20.52	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.90	19.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.82	21.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.86	21.71	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.78	21.63	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.74	21.59	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.87	21.72	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.73	21.58	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.88	20.73	PASS

Band12	1.4MHz	16QAM	23173	1RB#0	22.78	20.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.94	20.79	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.76	20.61	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.70	20.55	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.97	20.82	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.71	20.56	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.90	19.75	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.84	21.69	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.80	21.65	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.85	21.7	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.80	20.65	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.84	20.69	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.73	20.58	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.83	20.68	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.90	20.75	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.76	20.61	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.71	20.56	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.87	19.72	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.83	19.68	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.84	19.69	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.78	19.63	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.90	21.75	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.88	21.73	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.93	21.78	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.92	20.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.95	20.8	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.89	20.74	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.86	20.71	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.67	20.52	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.98	20.83	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.85	20.7	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.90	19.75	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.87	19.72	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.92	19.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.95	19.8	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.85	21.7	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.89	21.74	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.92	21.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.88	20.73	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.93	20.78	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.84	20.69	PASS

Band12	3MHz	QPSK	23165	15RB#0	22.89	20.74	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.67	20.52	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.98	20.83	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.72	20.57	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.95	19.8	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.91	19.76	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.89	19.74	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.86	19.71	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.92	21.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.75	21.6	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.92	21.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.80	20.65	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.80	20.65	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.84	20.69	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.91	20.76	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.92	20.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.78	20.63	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.94	20.79	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.89	19.74	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.93	19.78	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.90	19.75	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.01	19.86	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.90	21.75	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.88	21.73	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.89	21.74	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.92	20.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.93	20.78	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.85	20.7	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.89	20.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.00	20.85	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.97	20.82	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.00	20.85	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.05	19.9	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.06	19.91	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.00	19.85	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.94	19.79	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.93	21.78	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.85	21.7	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.91	21.76	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.88	20.73	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.88	20.73	PASS

Band12	5MHz	QPSK	23155	12RB#13	22.85	20.7	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.88	20.73	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.88	20.73	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.87	20.72	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.81	20.66	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.99	19.84	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.98	19.83	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.99	19.84	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.98	19.83	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.80	21.65	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.86	21.71	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.80	21.65	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.97	20.82	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.98	20.83	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.88	20.73	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.92	20.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.89	20.74	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.89	20.74	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.89	20.74	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.98	19.83	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.04	19.89	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.92	19.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.98	19.83	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.78	21.63	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.91	21.76	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.85	21.7	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.90	20.75	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.96	20.81	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.88	20.73	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.87	20.72	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.71	20.56	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.03	20.88	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.76	20.61	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.02	19.87	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.99	19.84	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.96	19.81	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.00	19.85	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.86	21.71	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.83	21.68	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.85	21.7	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.89	20.74	PASS

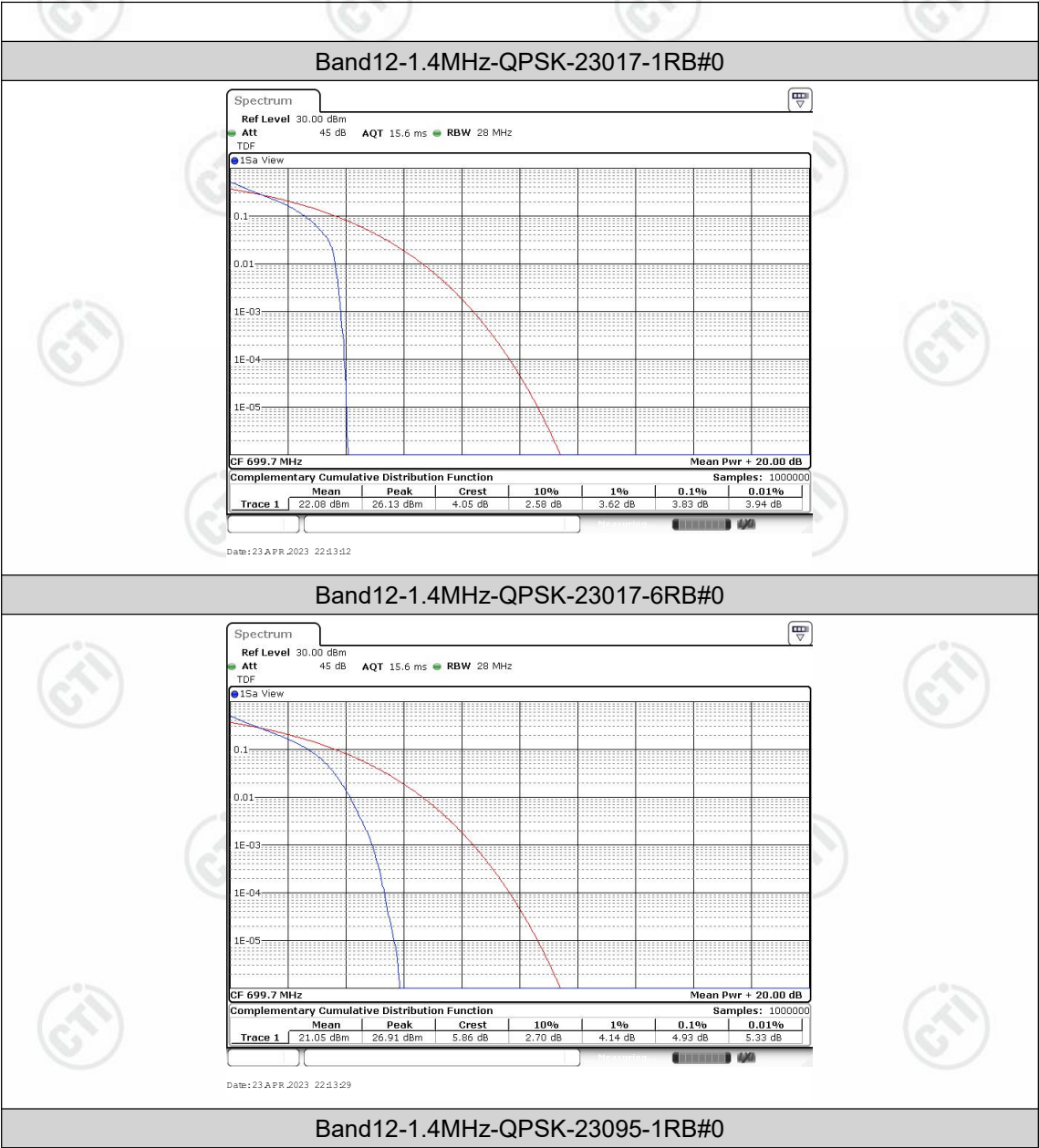
Band12	10MHz	QPSK	23130	25RB#12	22.90	20.75	PASS
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Band12	10MHz	QPSK	23130	50RB#0	22.85	20.7	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.72	20.57	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.89	20.74	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.68	20.53	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.02	19.87	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.98	19.83	PASS
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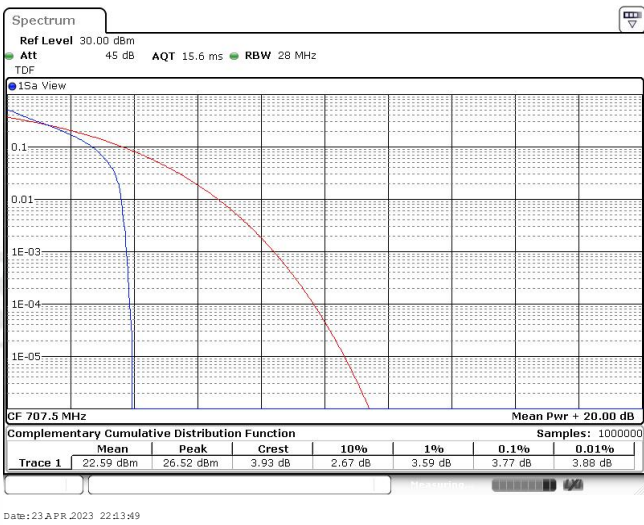
Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.83	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.93	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.77	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.84	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.74	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.81	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.20	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.62	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.09	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.03	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.62	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.78	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.57	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.70	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.65	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.61	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.39	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.12	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.00	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.00	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.59	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.96	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.59	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.90	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.62	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.87	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.12	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.28	13	PASS

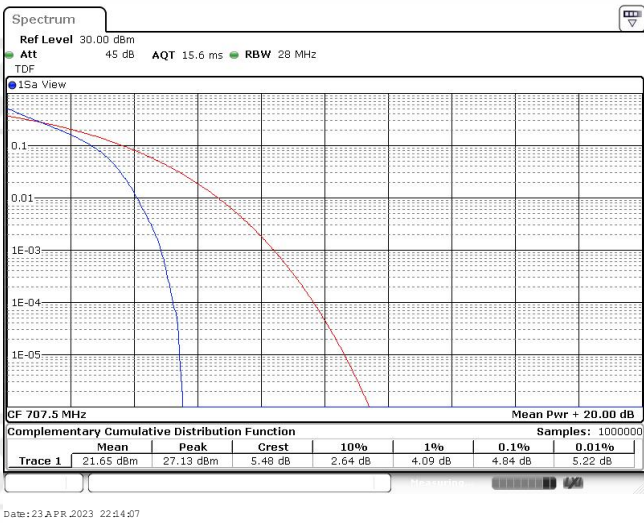
Band12	5MHz	16QAM	23095	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.48	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.06	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.54	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.78	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.57	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.90	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.48	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.93	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.03	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.57	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.09	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.28	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.12	13	PASS

Test Graphs

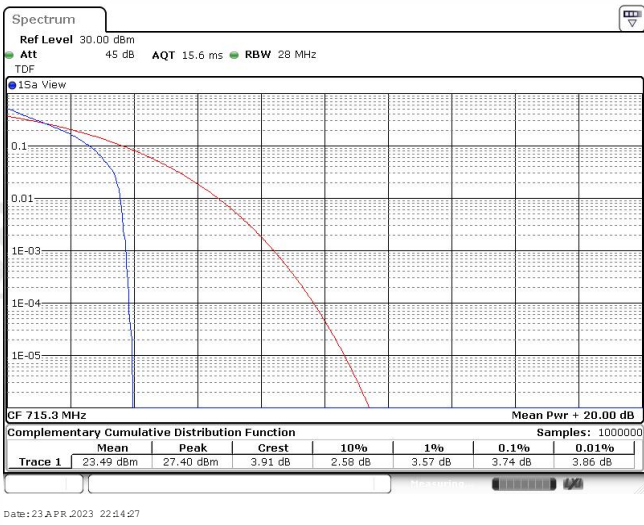




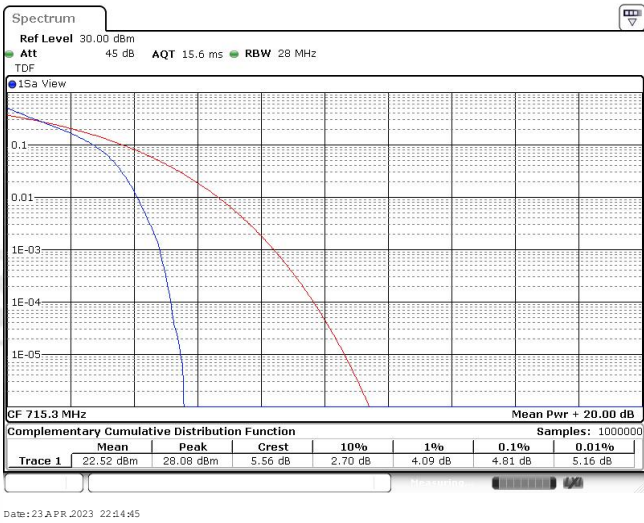
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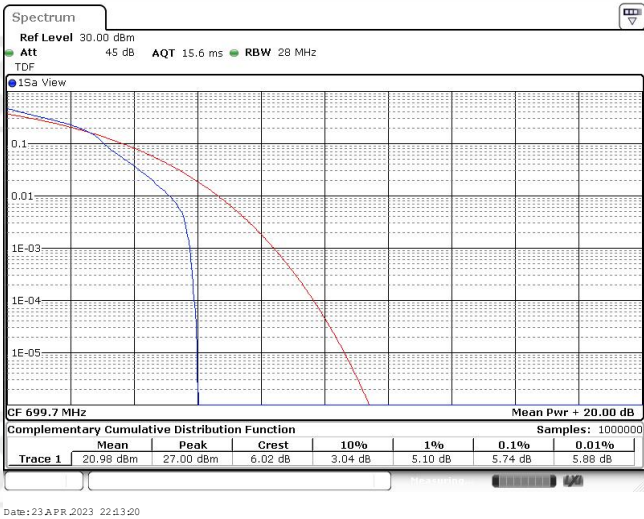
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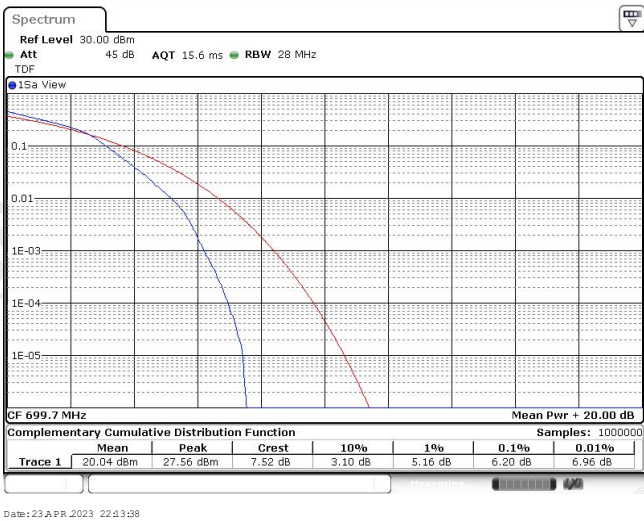
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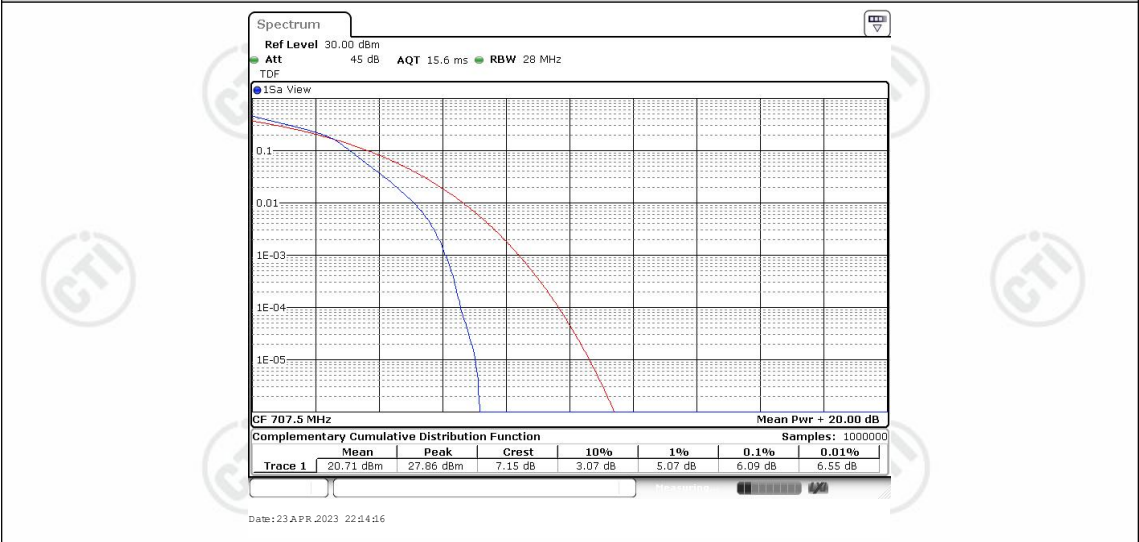
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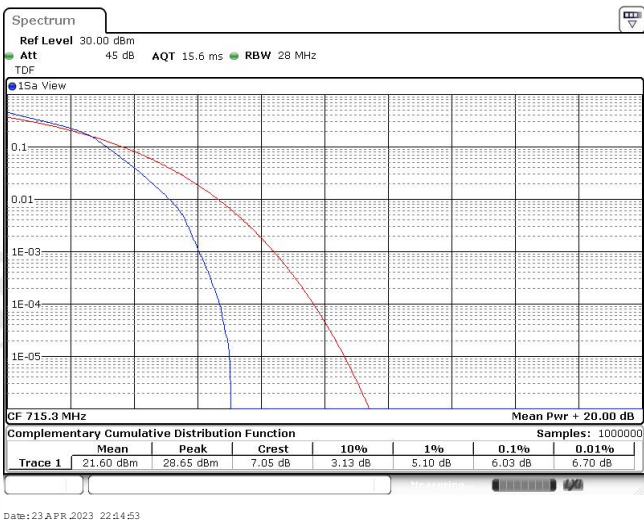
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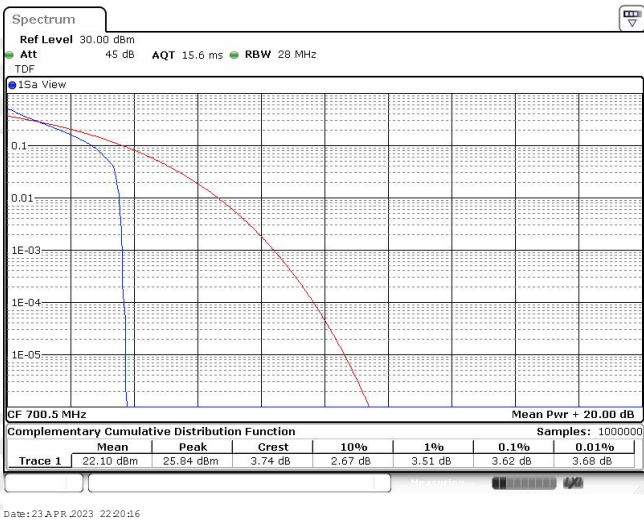
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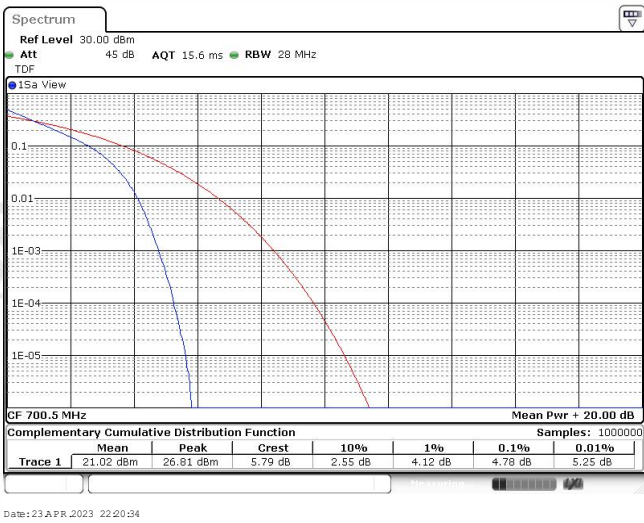
Band12-1.4MHz-16QAM-23173-6RB#0



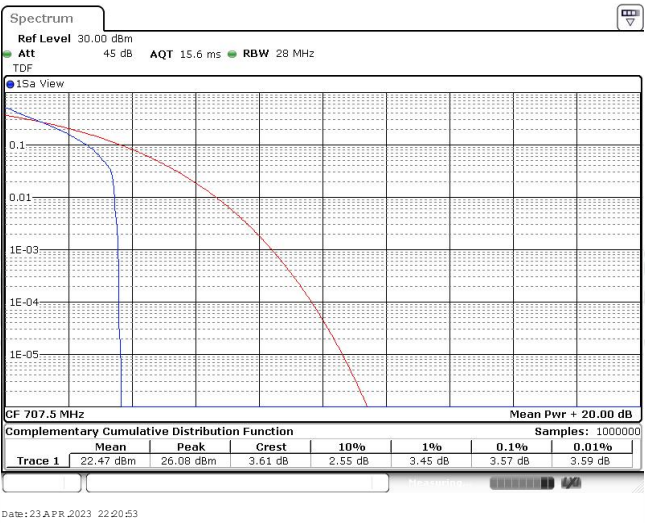
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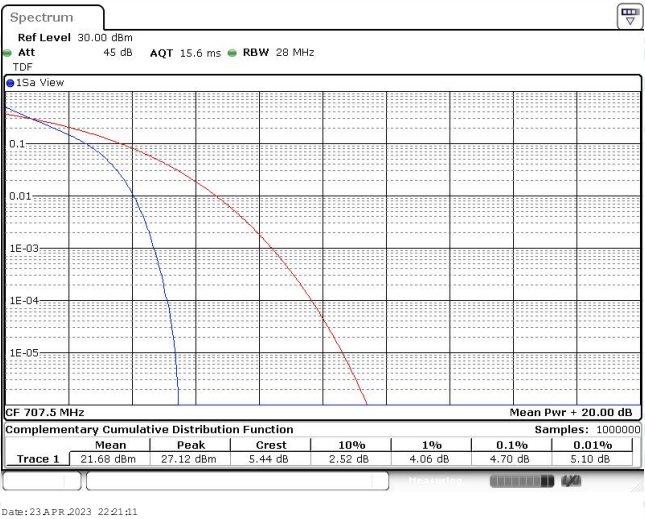
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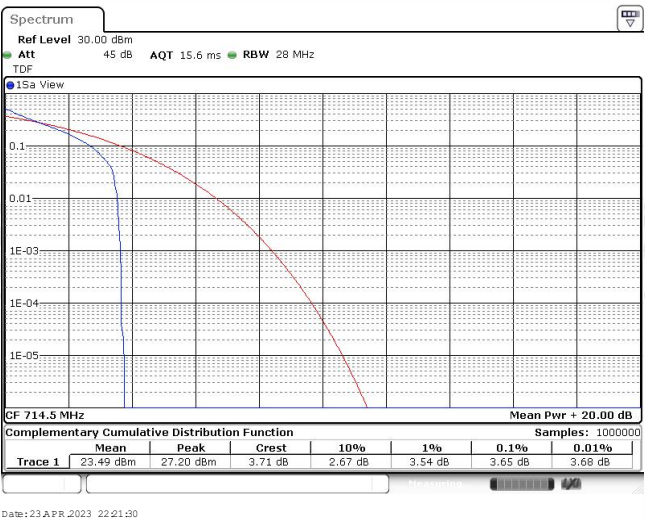
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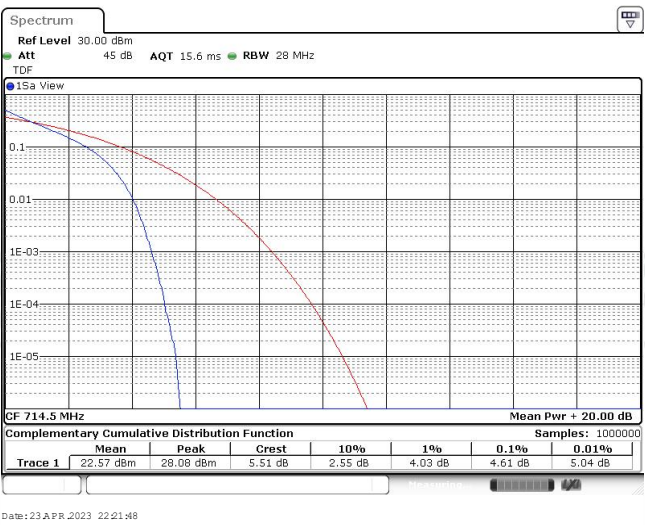
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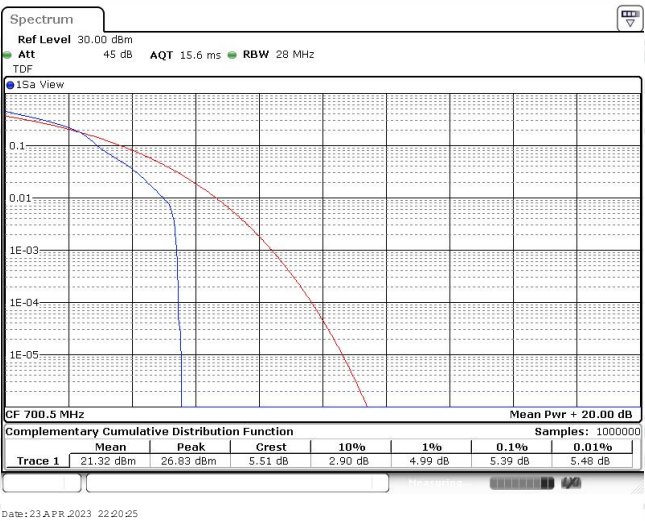
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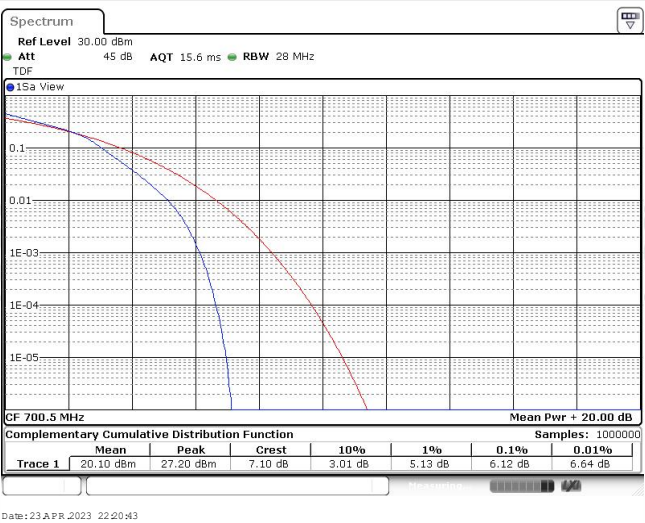
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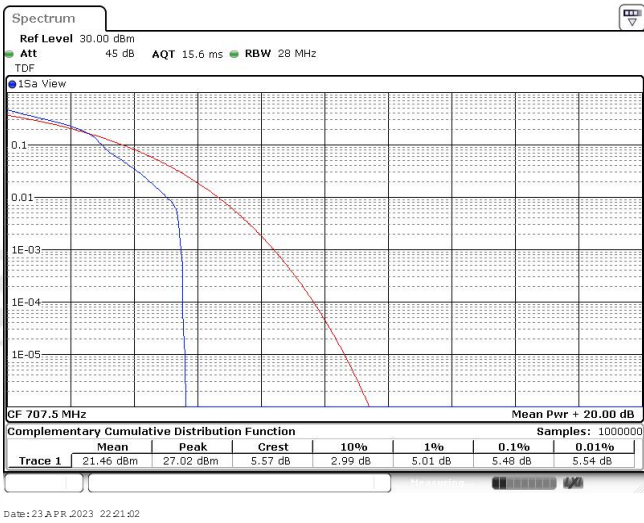
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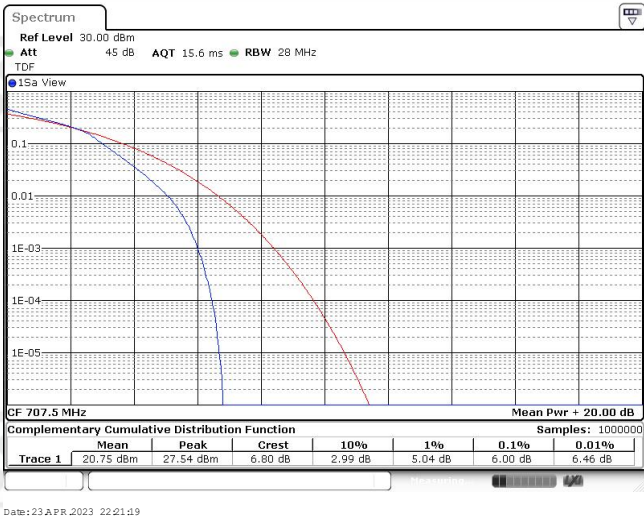
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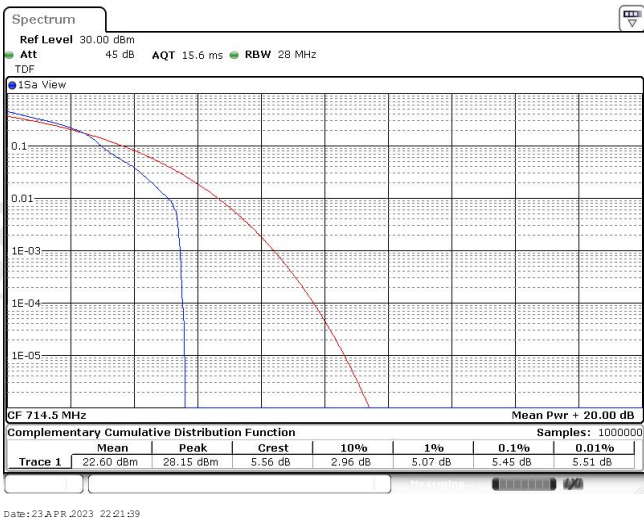
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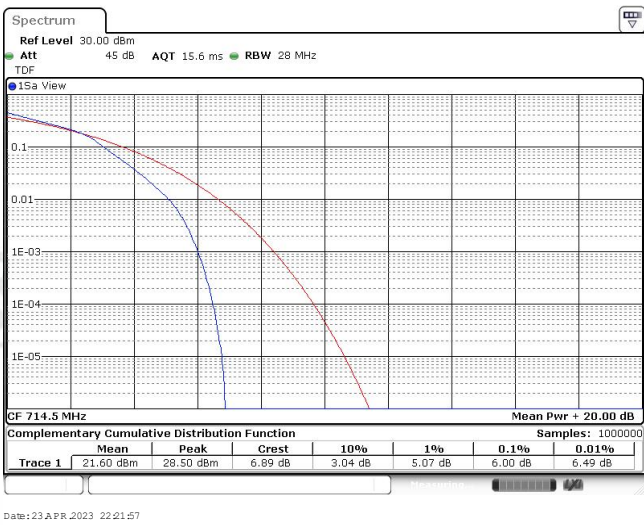
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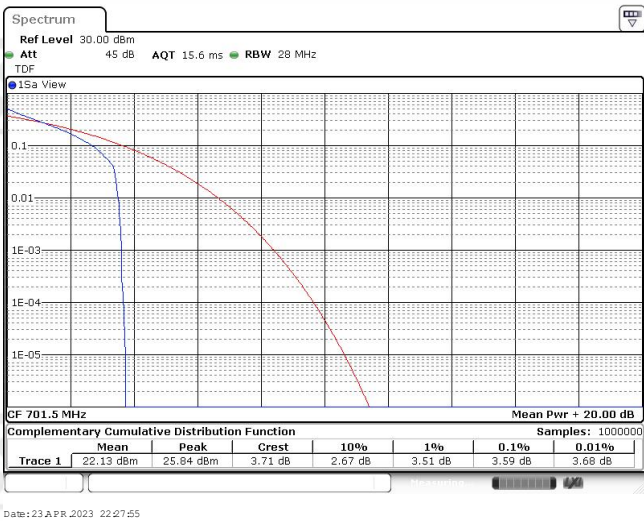
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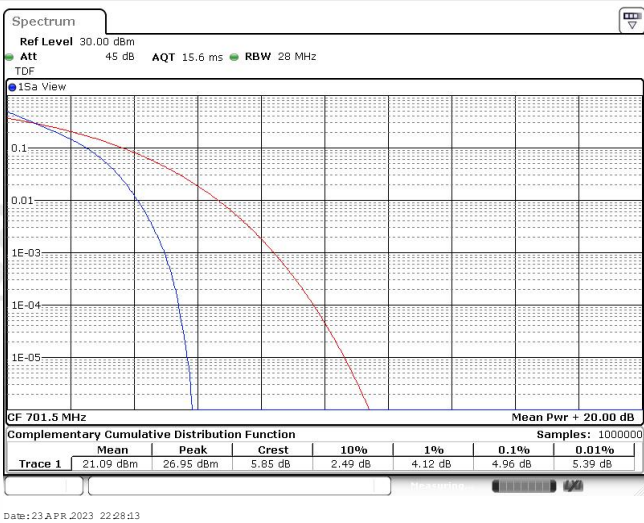
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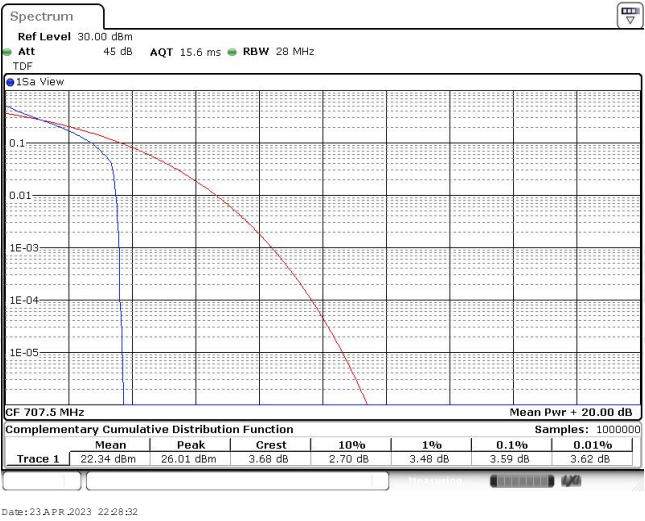
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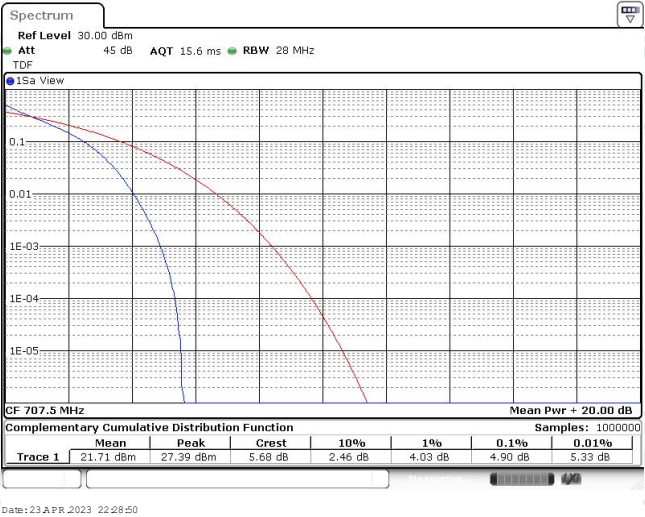
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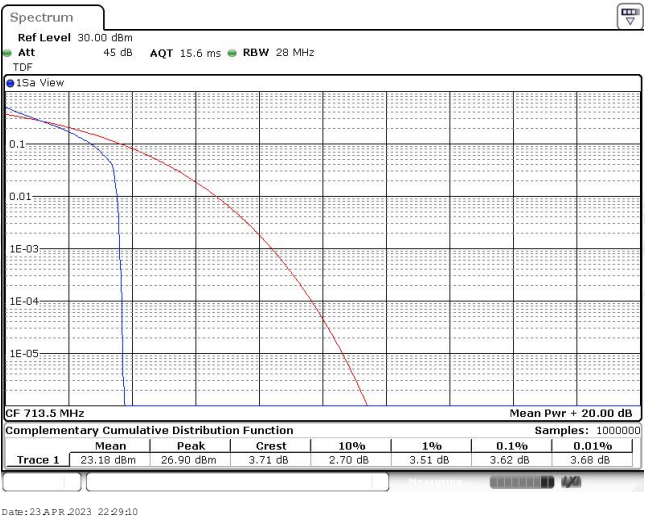
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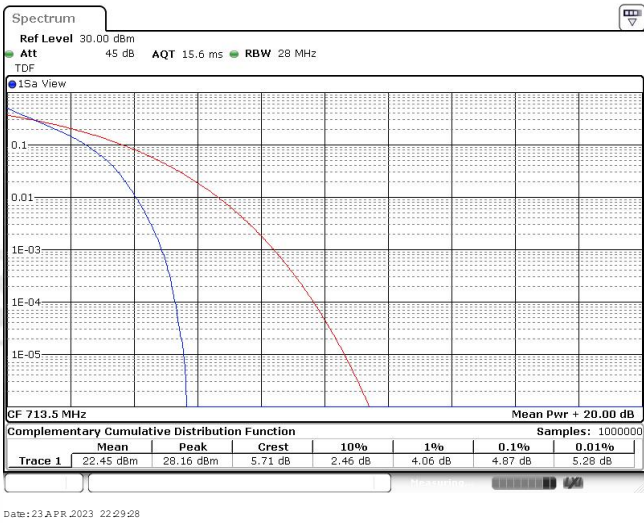
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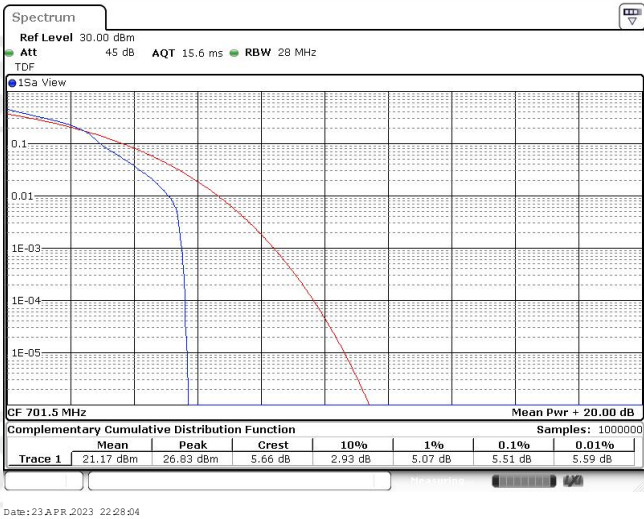
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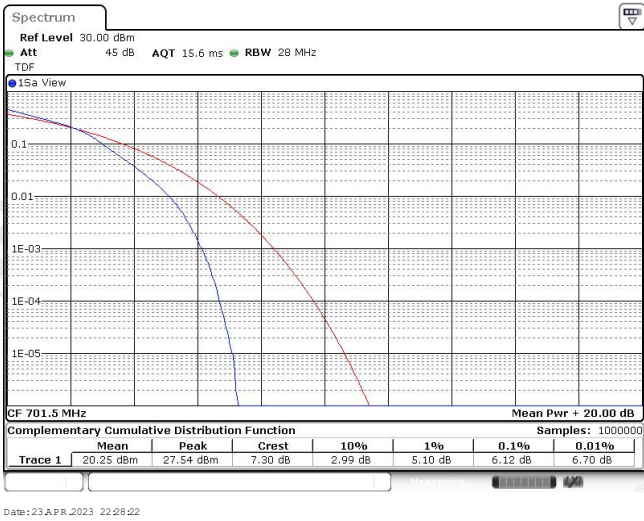
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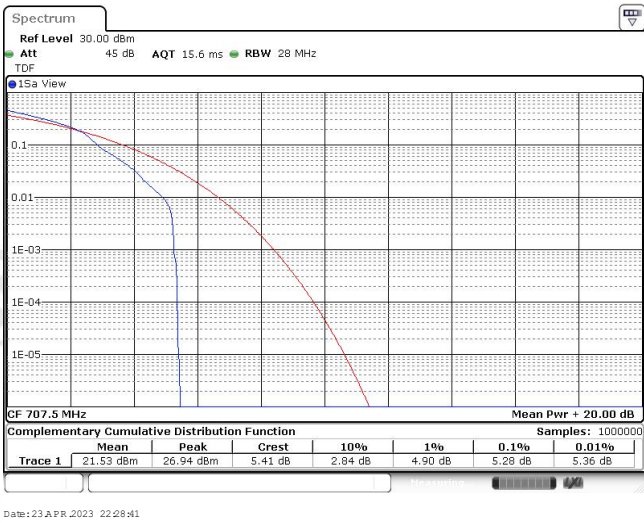
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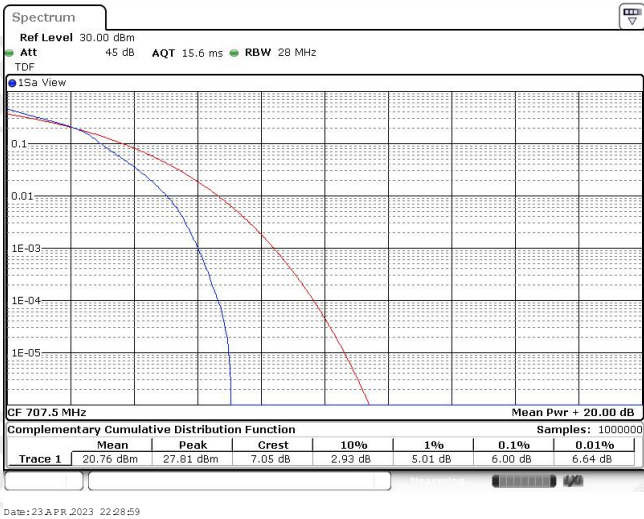
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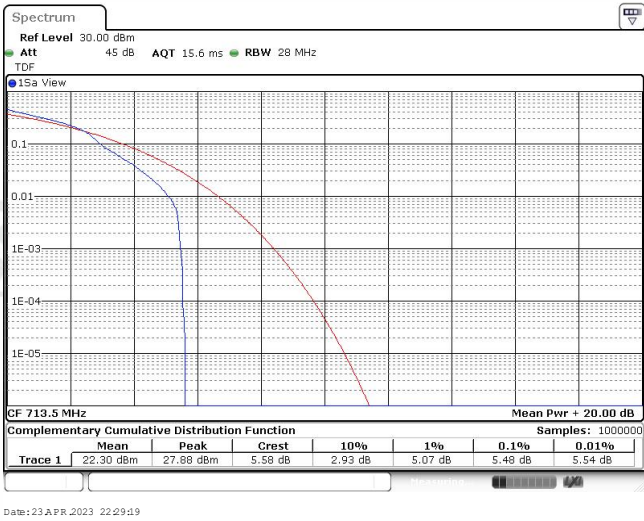
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Band12-5MHz-16QAM-23095-25RB#0



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