

Appendix for LTE Band 5

Product Name: EcoFlow 4G Dongle PPS (NA)

Model No: EF HD-P2-4G-S1

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.96	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.64	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.78	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.74	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.93	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.88	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.81	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.82	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.91	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.88	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.80	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.83	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.89	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.34	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.74	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.14	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.76	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.68	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.59	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.66	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.65	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.74	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.87	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.95	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.66	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.89	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.73	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.83	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.51	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.76	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.74	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.88	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.82	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.75	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.72	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.69	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.88	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.71	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.88	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.95	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.81	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.67	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.82	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.05	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.78	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.97	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.84	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.77	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.82	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.80	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.91	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.00	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.85	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.79	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.77	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.82	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.65	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.79	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.79	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.77	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.87	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.04	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.66	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.91	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.80	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.18	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.00	PASS

Band5	3MHz	16QAM	20635	8RB#0	22.04	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.94	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.67	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.77	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.96	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.88	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.82	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.49	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.76	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.54	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.93	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.77	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.93	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.76	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.77	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.76	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.83	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.83	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.75	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.95	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.98	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.01	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.66	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.85	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.84	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.94	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.83	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.84	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.85	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.75	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.67	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.74	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.68	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.78	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.01	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.88	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.98	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.74	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.98	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.80	PASS

Band5	5MHz	16QAM	20625	12RB#0	21.68	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.84	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.69	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.75	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.71	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.67	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.73	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.74	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.82	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.64	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.31	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.49	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.72	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.79	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.68	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.80	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.37	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.44	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.35	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.43	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.71	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.52	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.40	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.61	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.59	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.52	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.38	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.38	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.51	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.44	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.27	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.33	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.30	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.38	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.11	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.42	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.50	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.33	PASS

Band5	10MHz	16QAM	20600	1RB#49	22.36	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.46	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.57	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.36	PASS

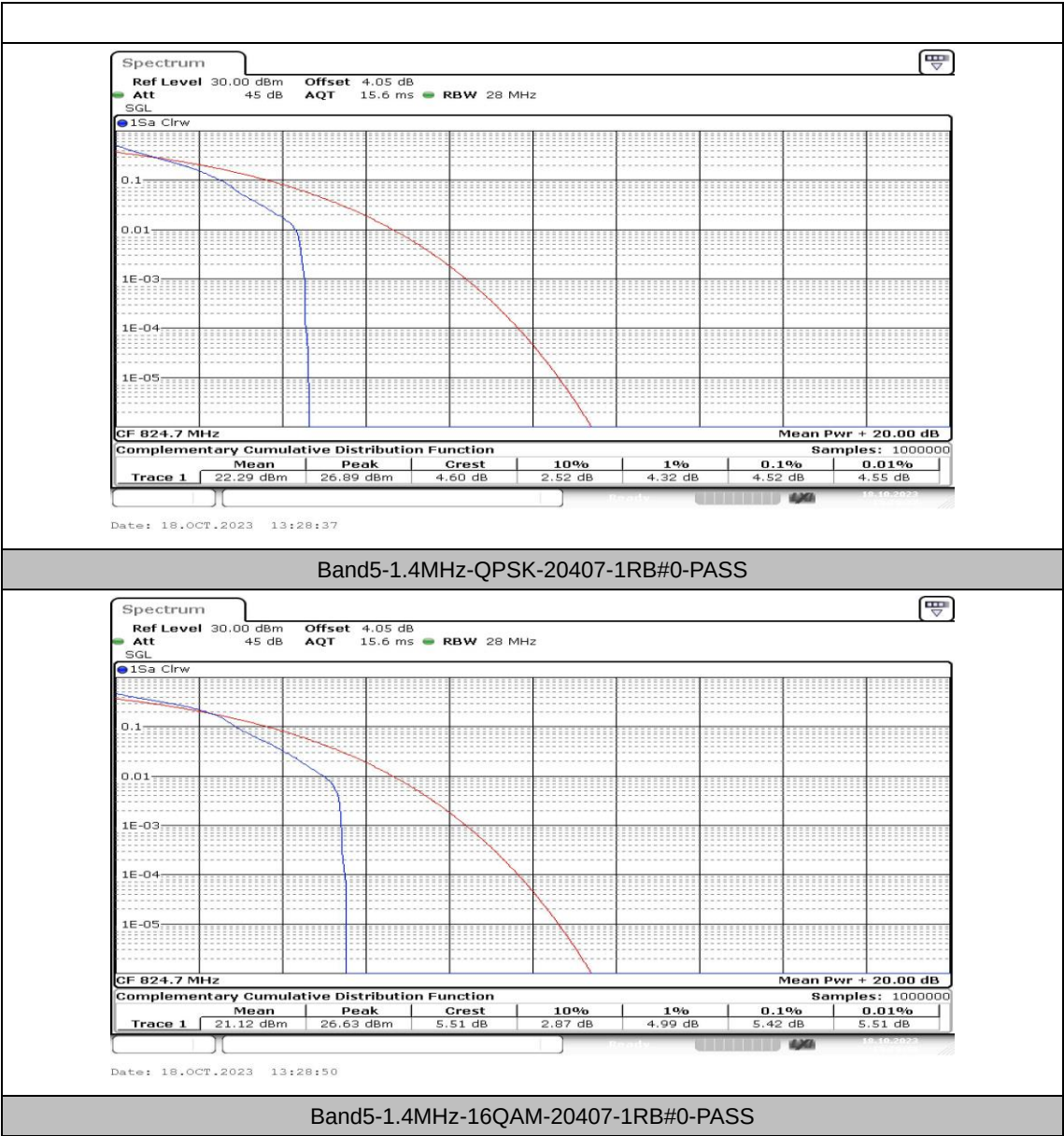
Appendix B: Peak-to-Average Ratio(CCDF)

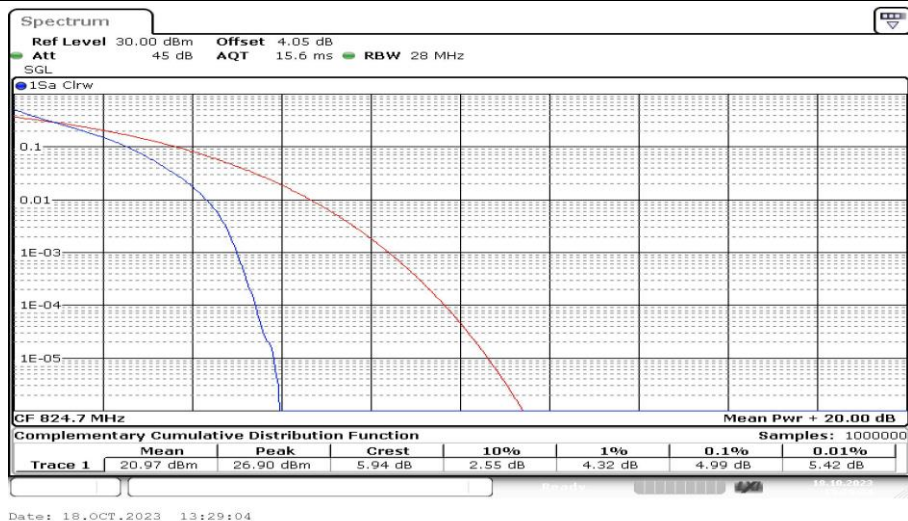
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.42	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.99	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.80	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.07	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.86	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.32	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.16	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.90	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.71	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.55	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.30	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.94	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.55	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.91	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.26	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.13	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.90	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.49	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.33	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.49	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.23	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.01	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.87	13	PASS

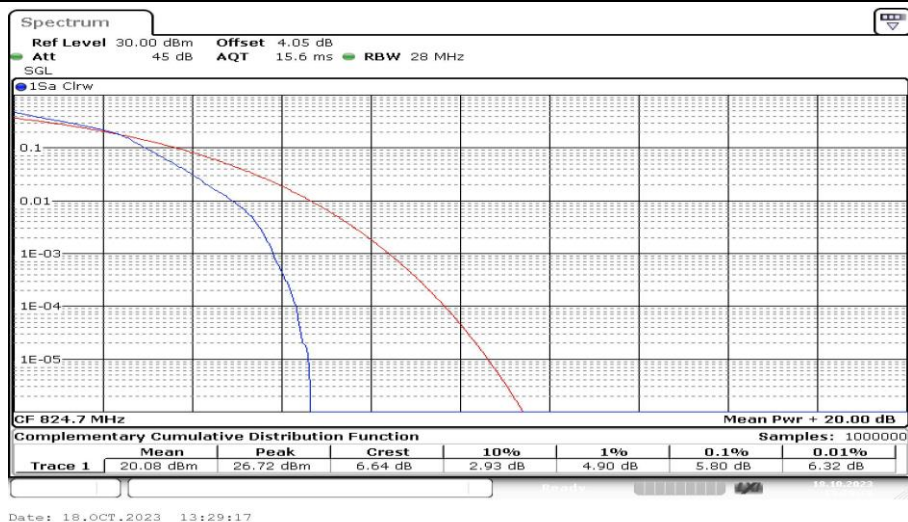
Band5	5MHz	16QAM	20625	25RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.43	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.13	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.46	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.38	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.25	13	PASS
Band5	10MHz	16QAM	20450	25RB#0	5.65	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20525	25RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20600	25RB#0	5.57	13	PASS

Test Graphs

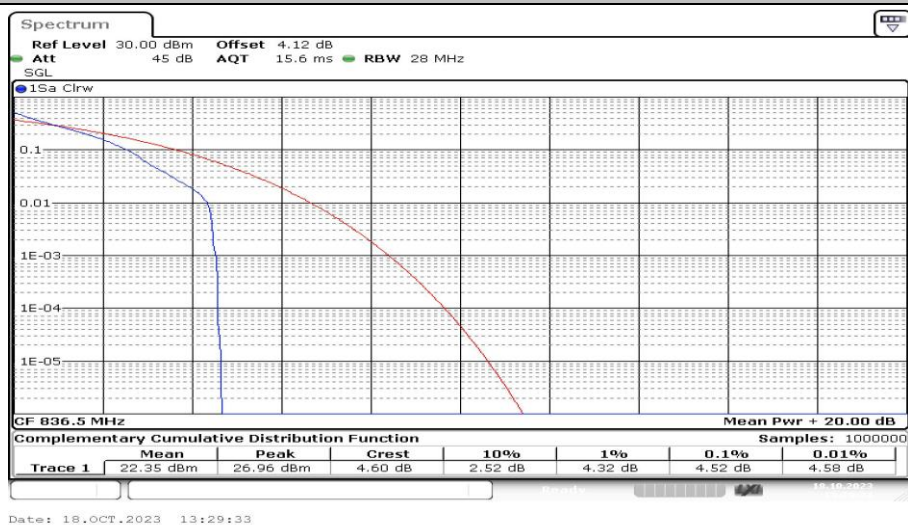




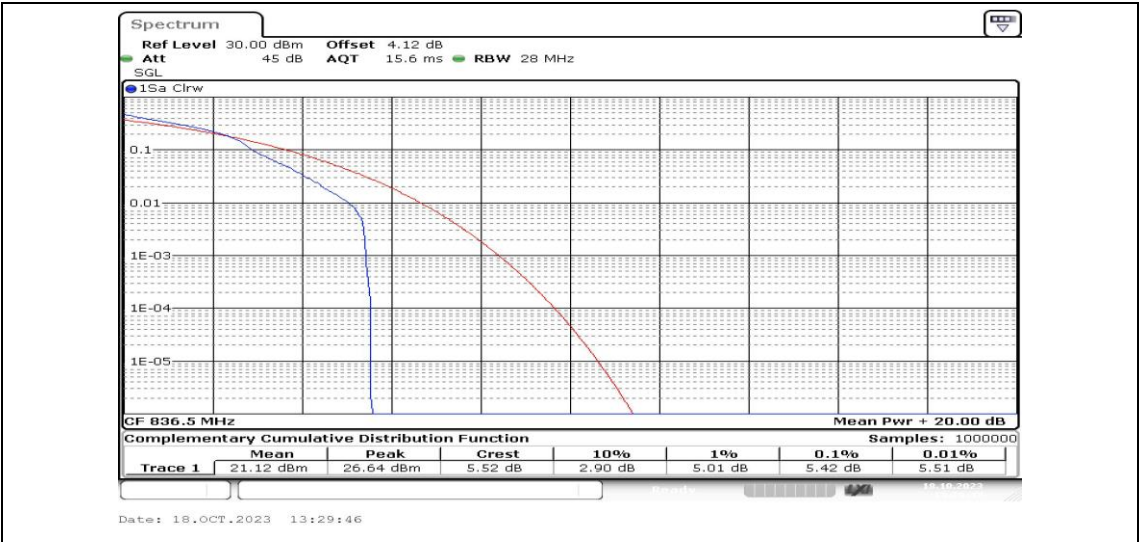
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



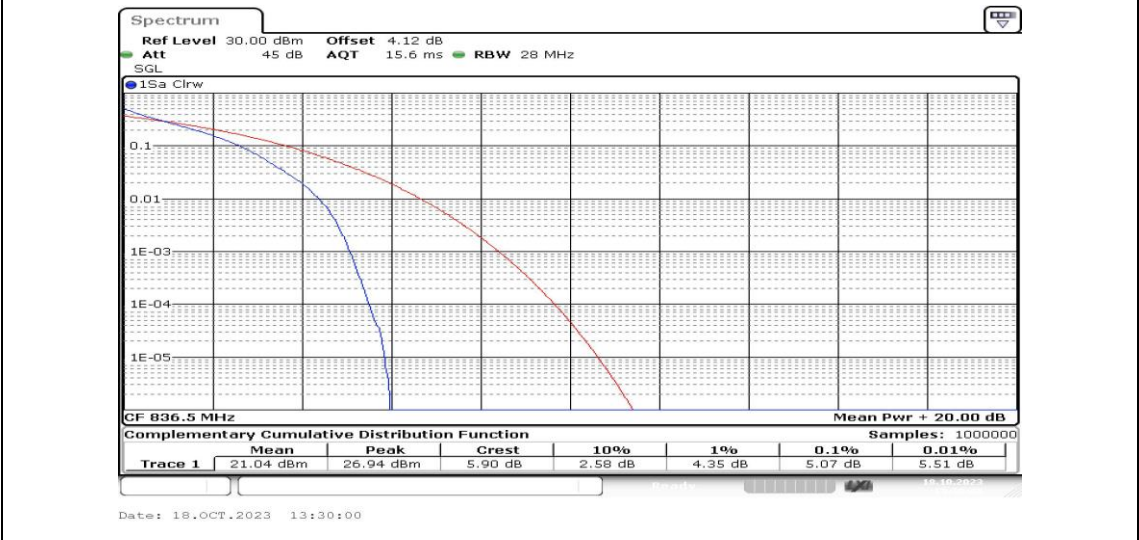
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



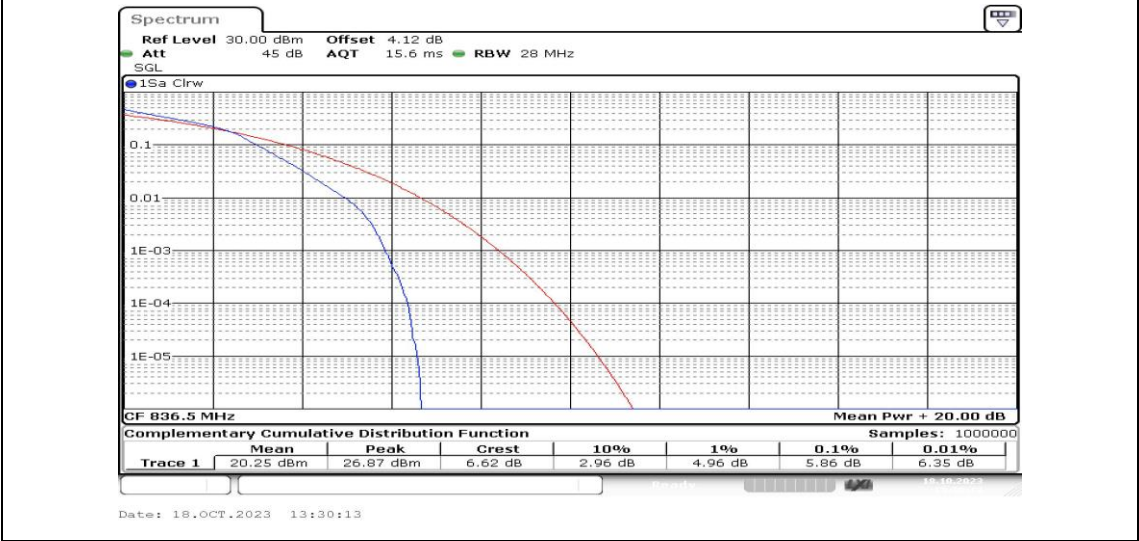
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



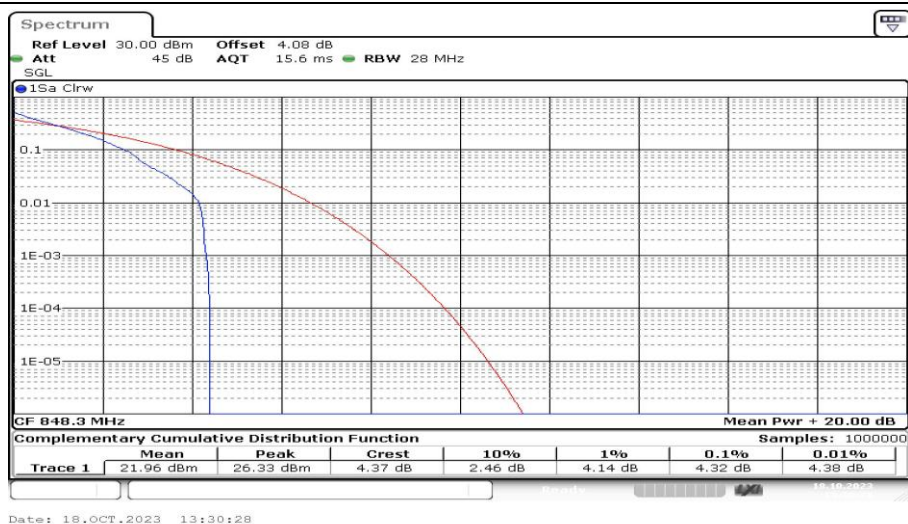
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



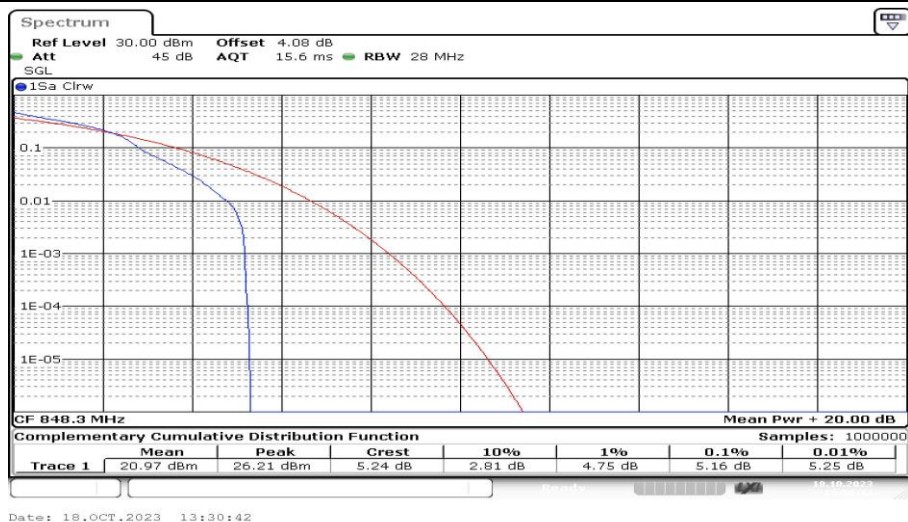
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



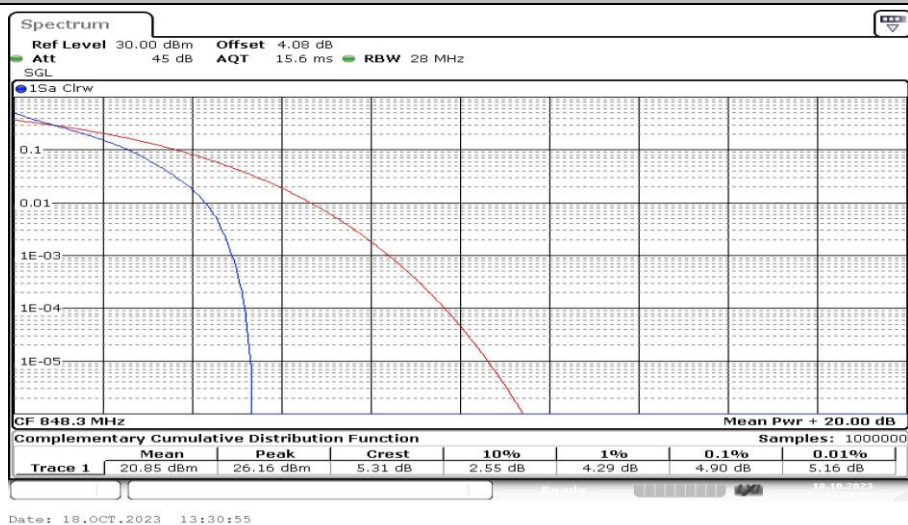
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



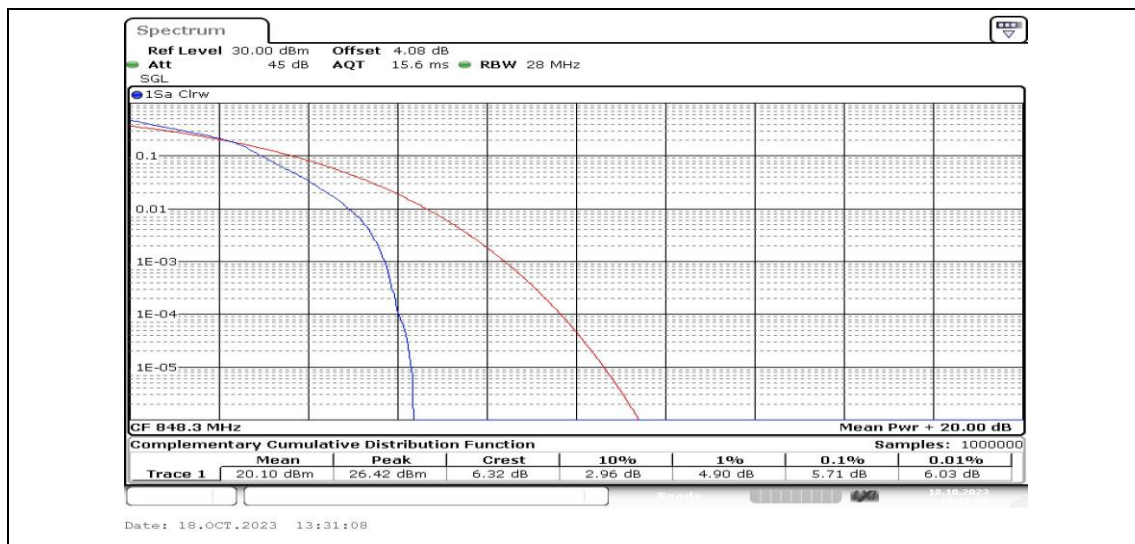
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



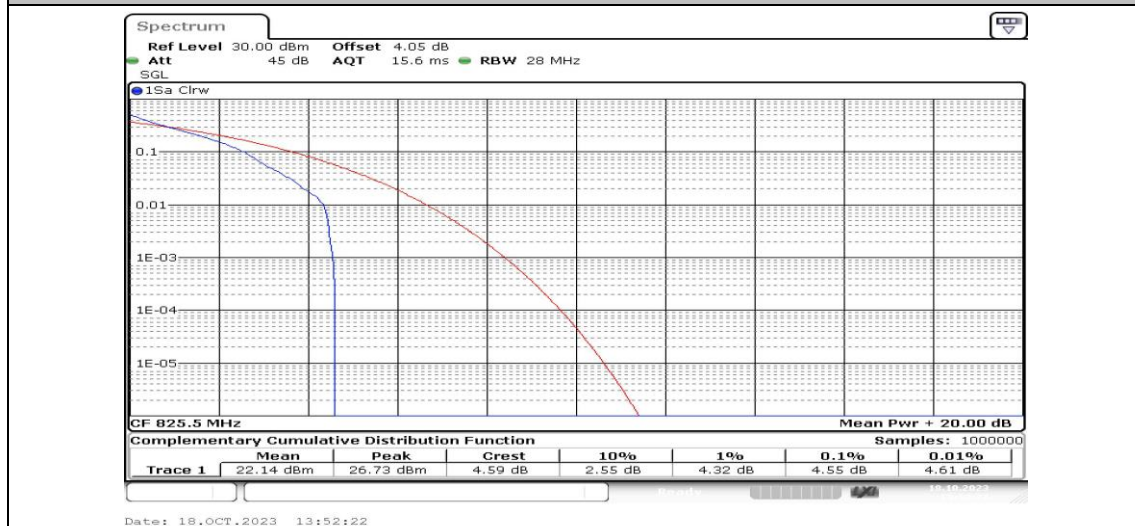
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



Band5-1.4MHz-QPSK-20643-6RB#0-PASS



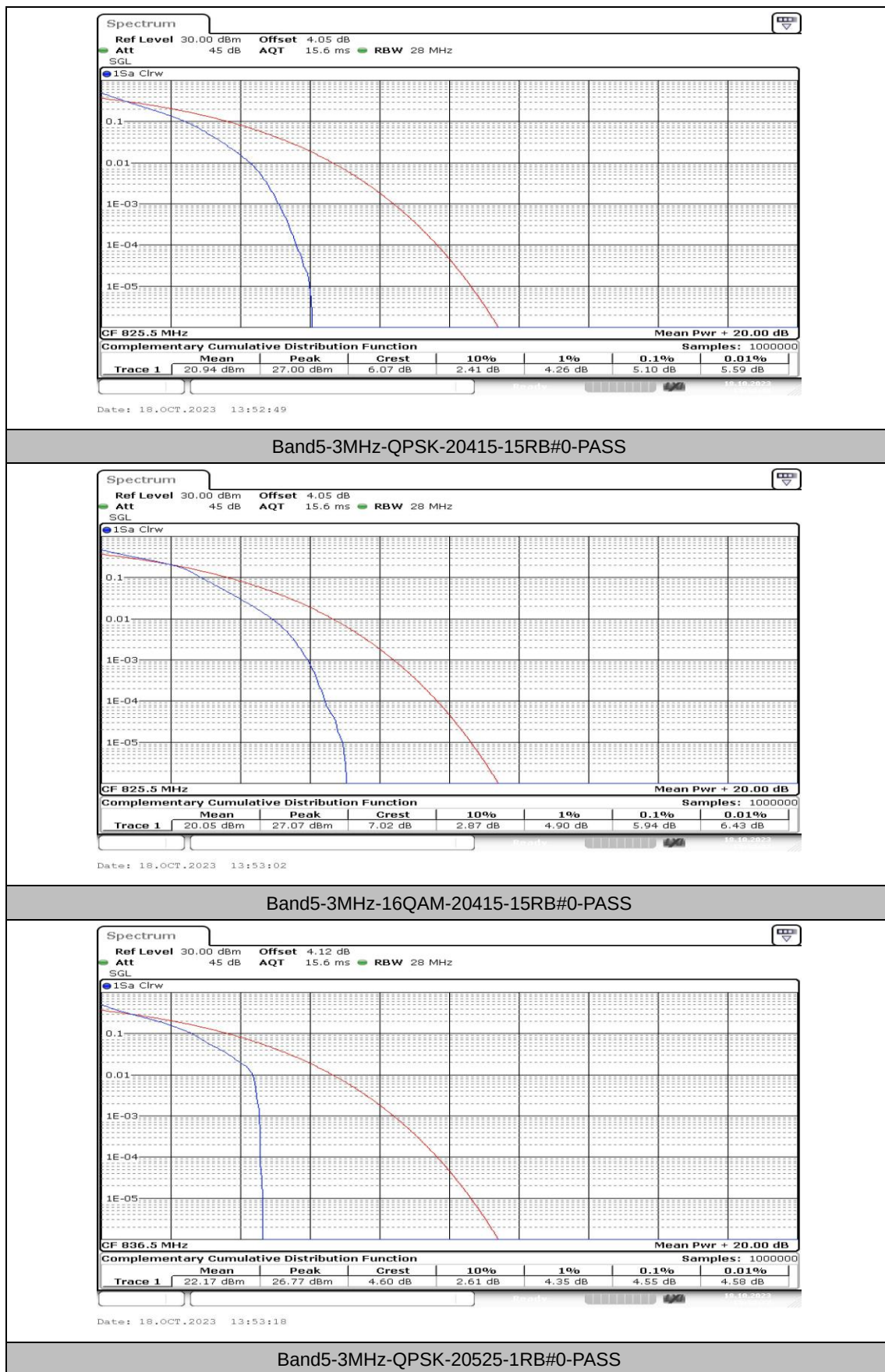
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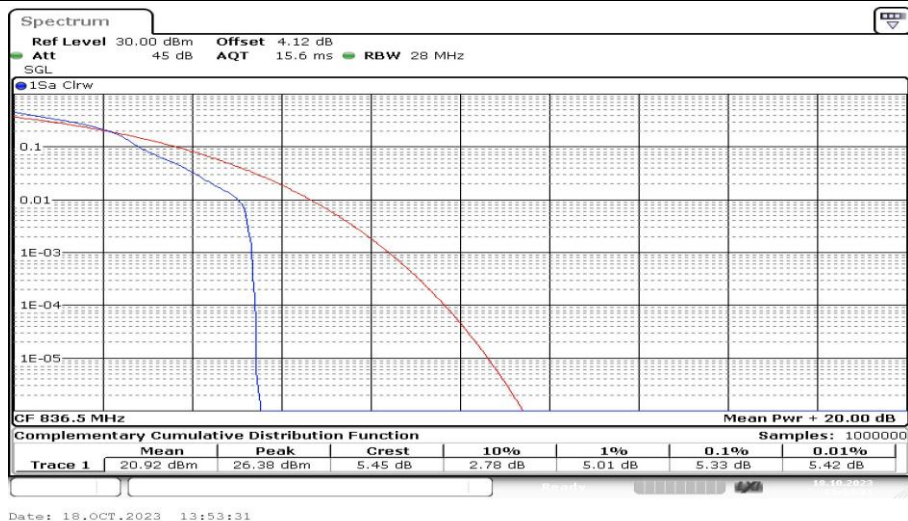


Band5-3MHz-QPSK-20415-1RB#0-PASS

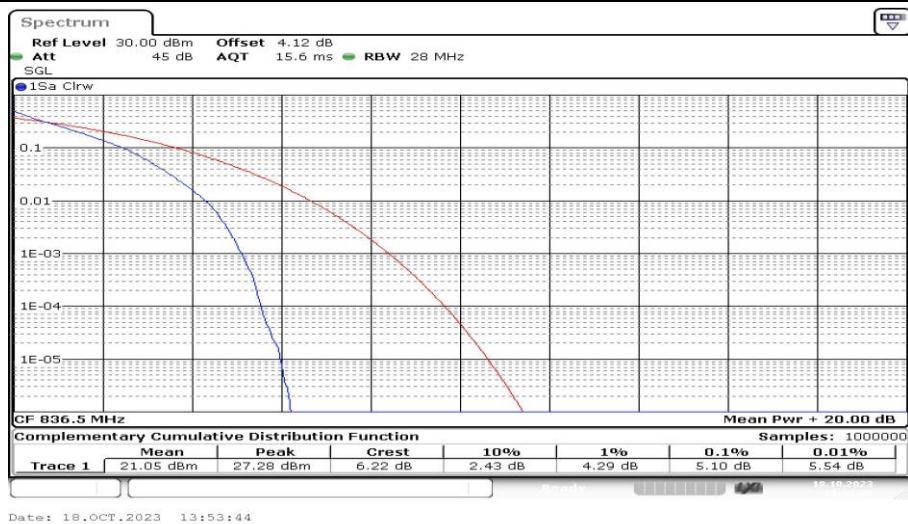


Band5-3MHz-16QAM-20415-1RB#0-PASS

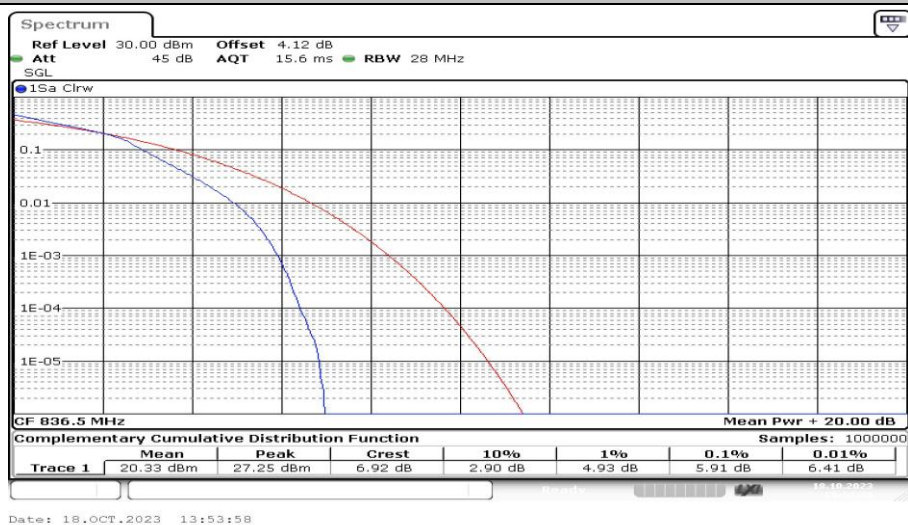




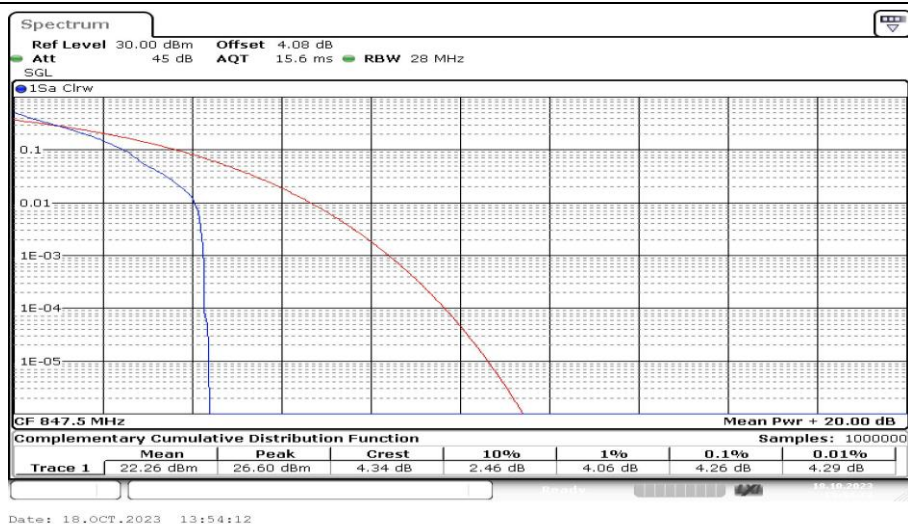
Band5-3MHz-16QAM-20525-1RB#0-PASS



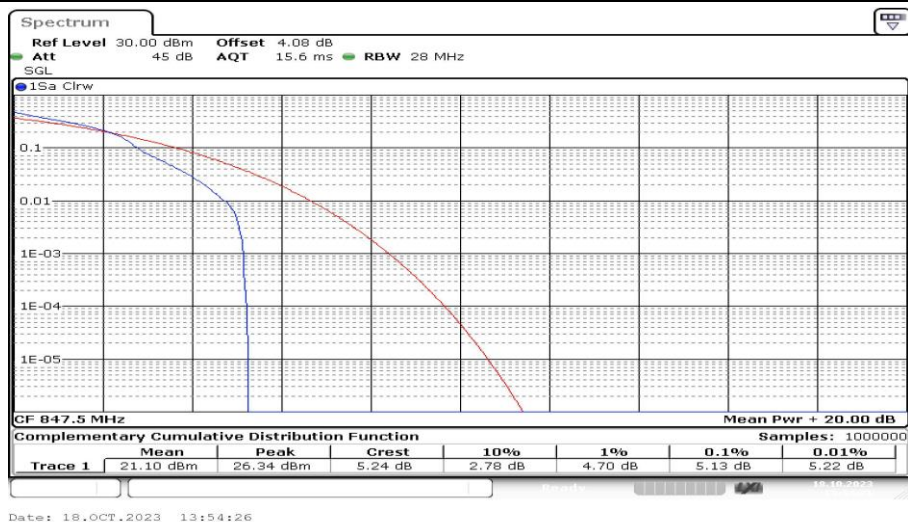
Band5-3MHz-QPSK-20525-15RB#0-PASS



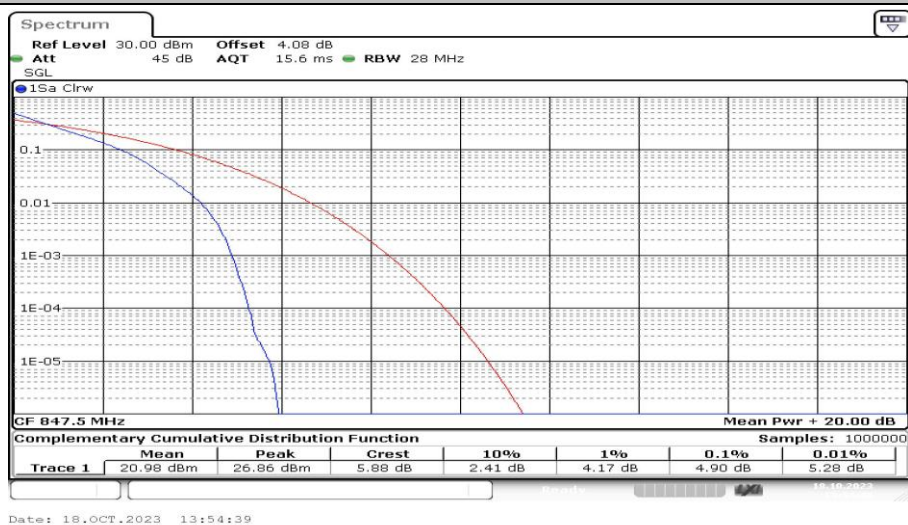
Band5-3MHz-16QAM-20525-15RB#0-PASS



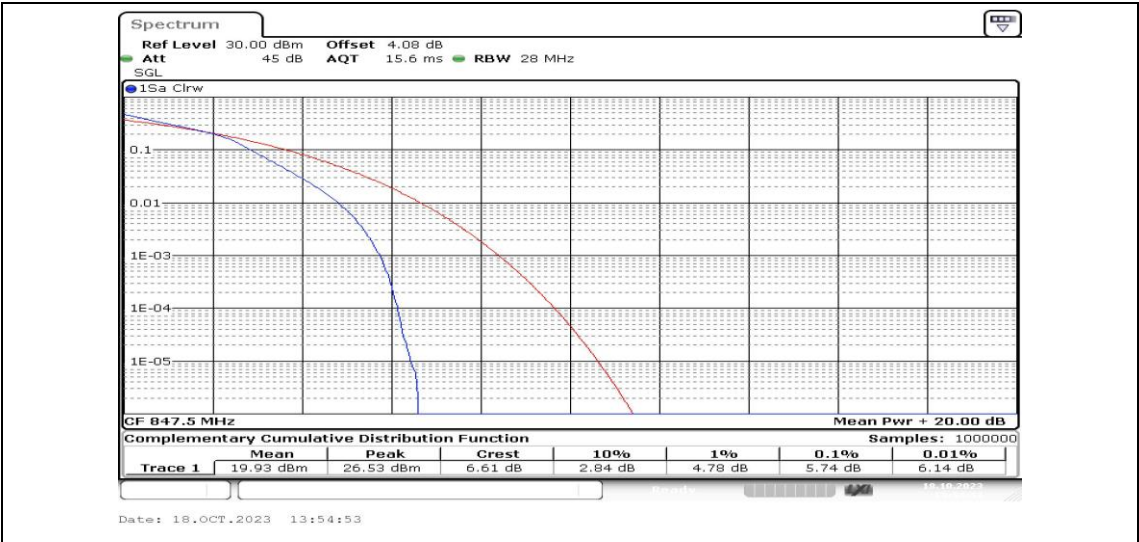
Band5-3MHz-QPSK-20635-1RB#0-PASS



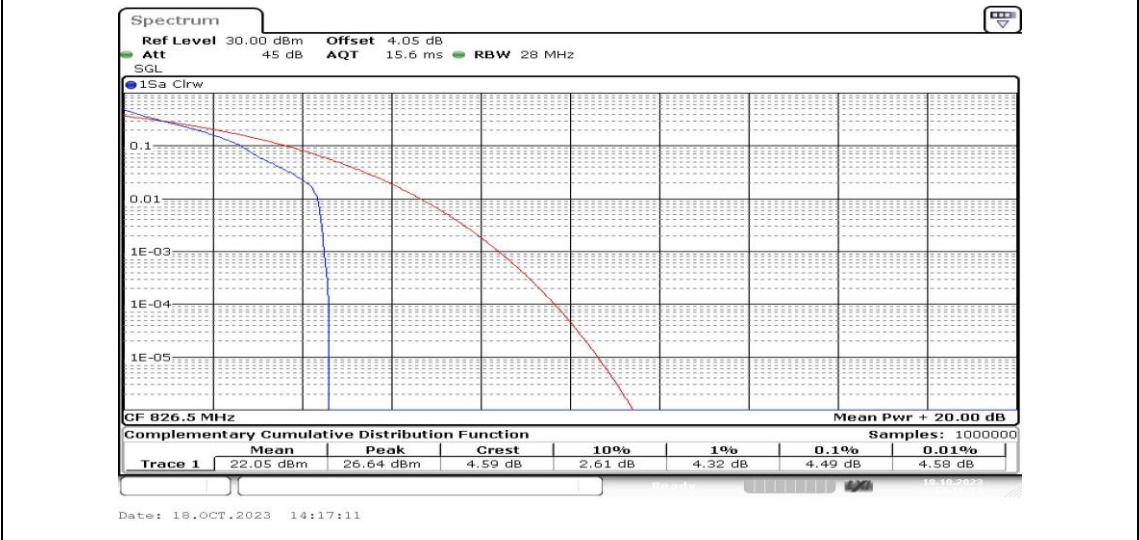
Band5-3MHz-16QAM-20635-1RB#0-PASS



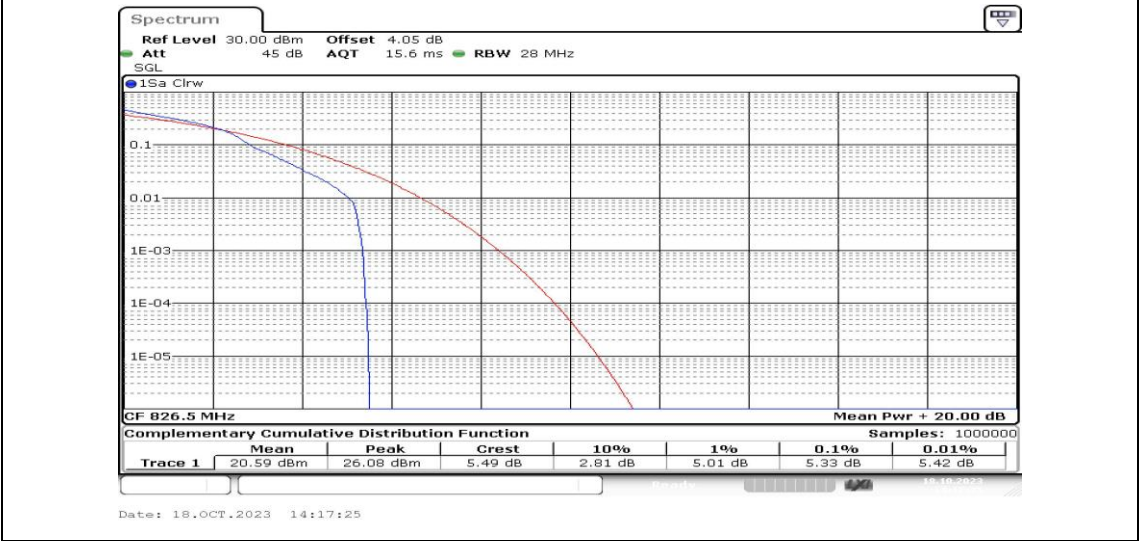
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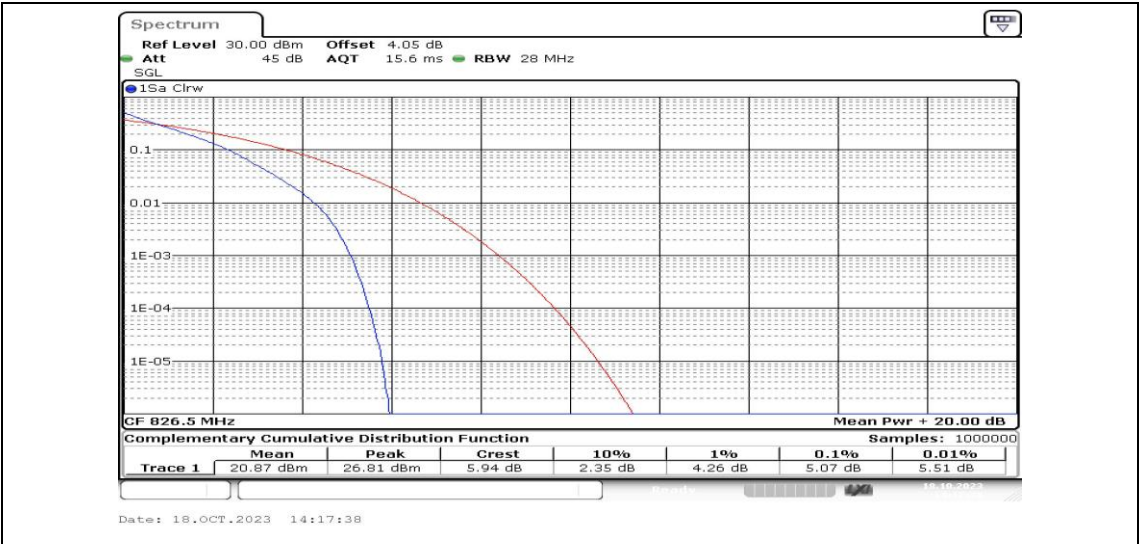
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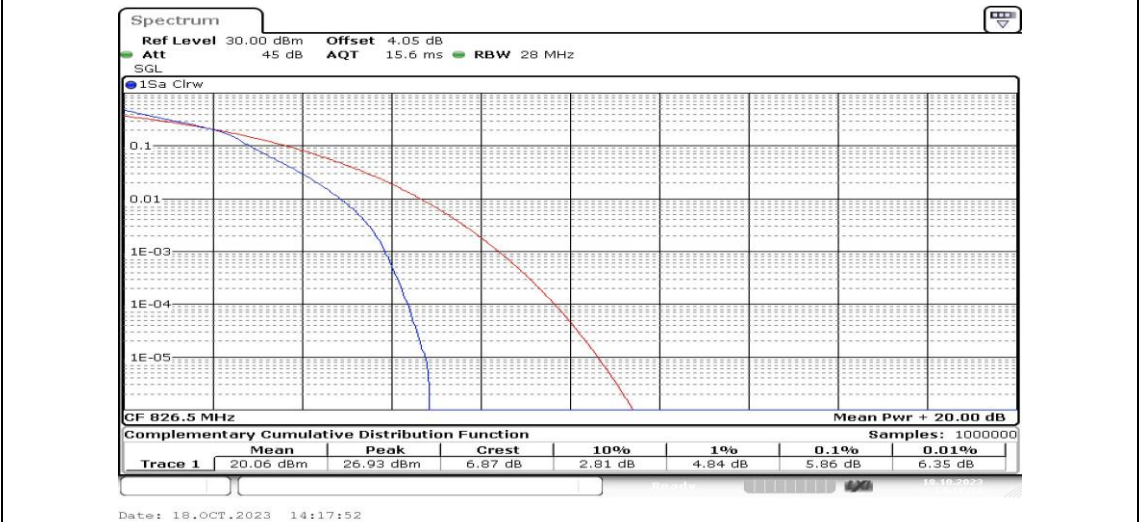
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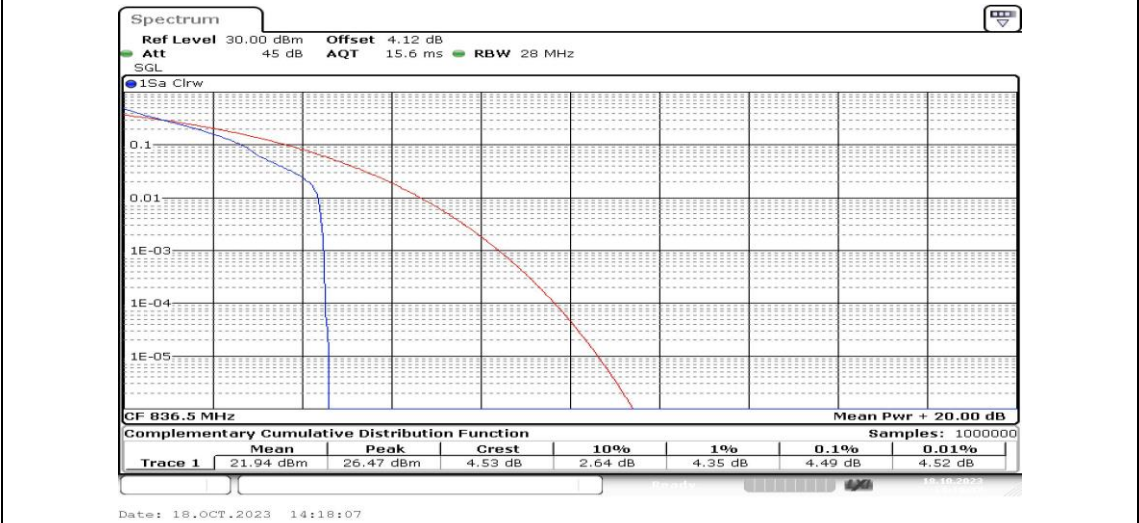
Band5-5MHz-16QAM-20425-1RB#0-PASS



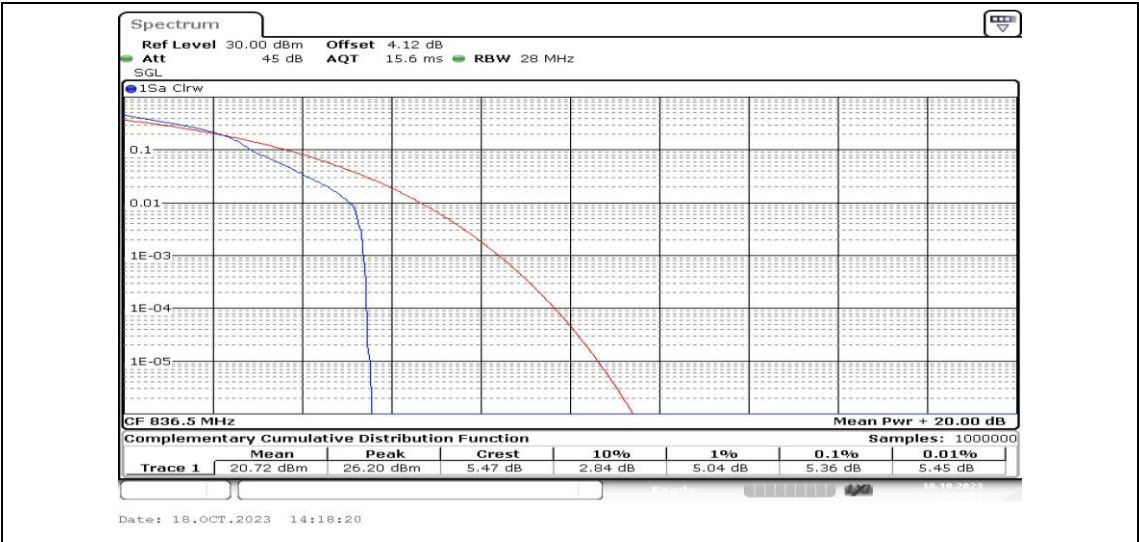
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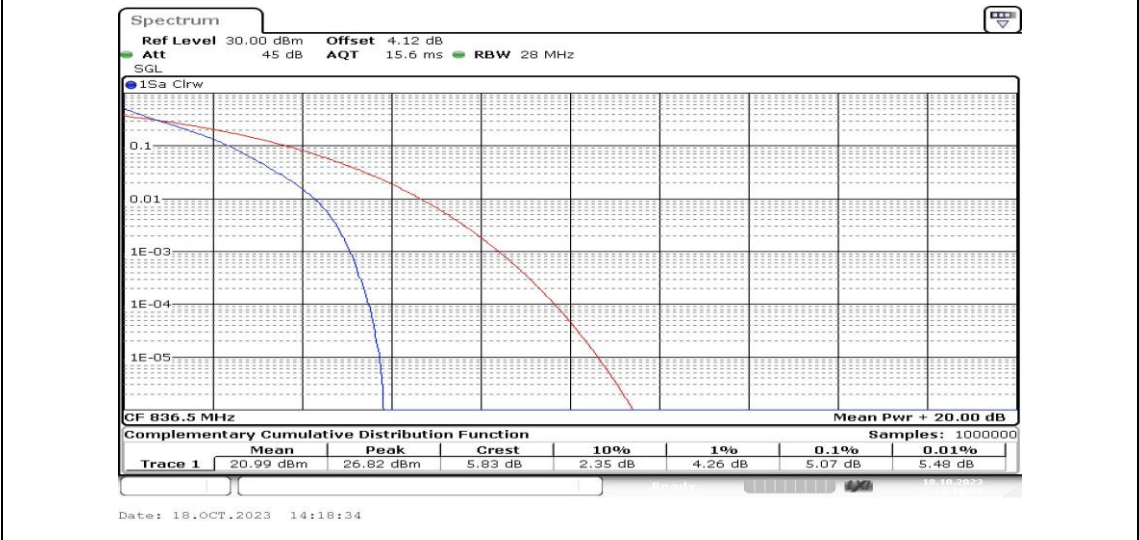
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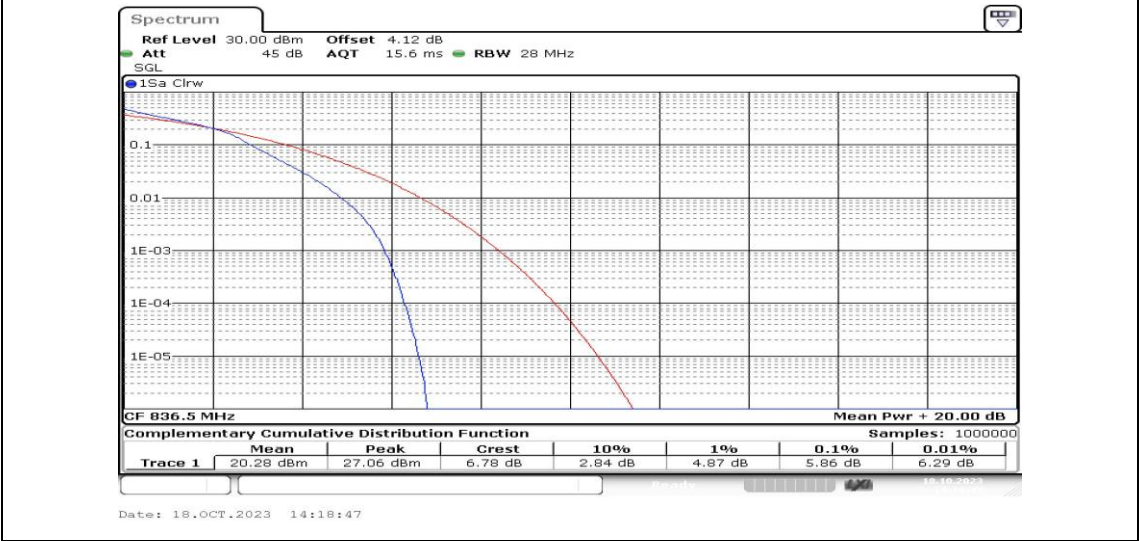
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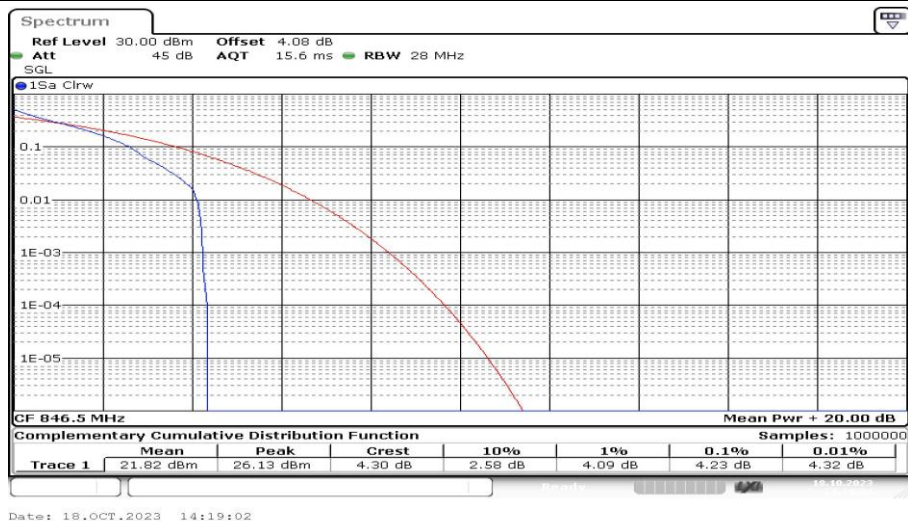
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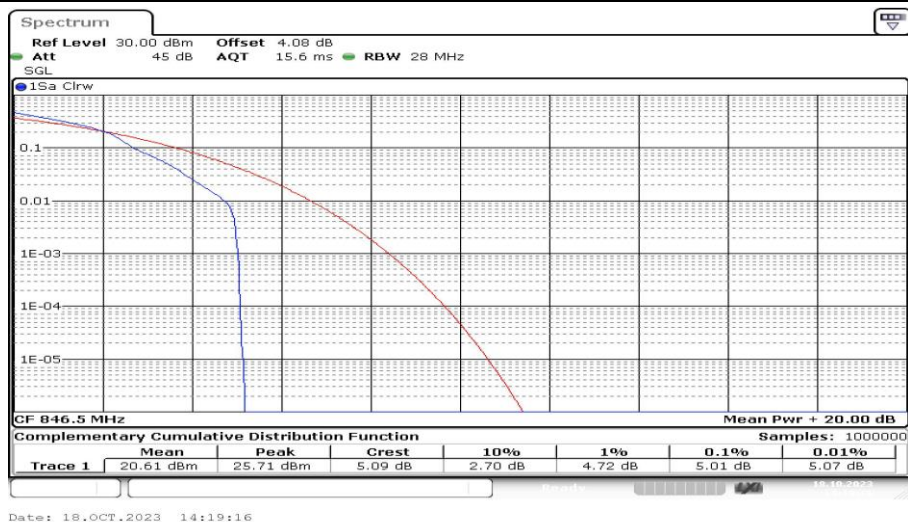
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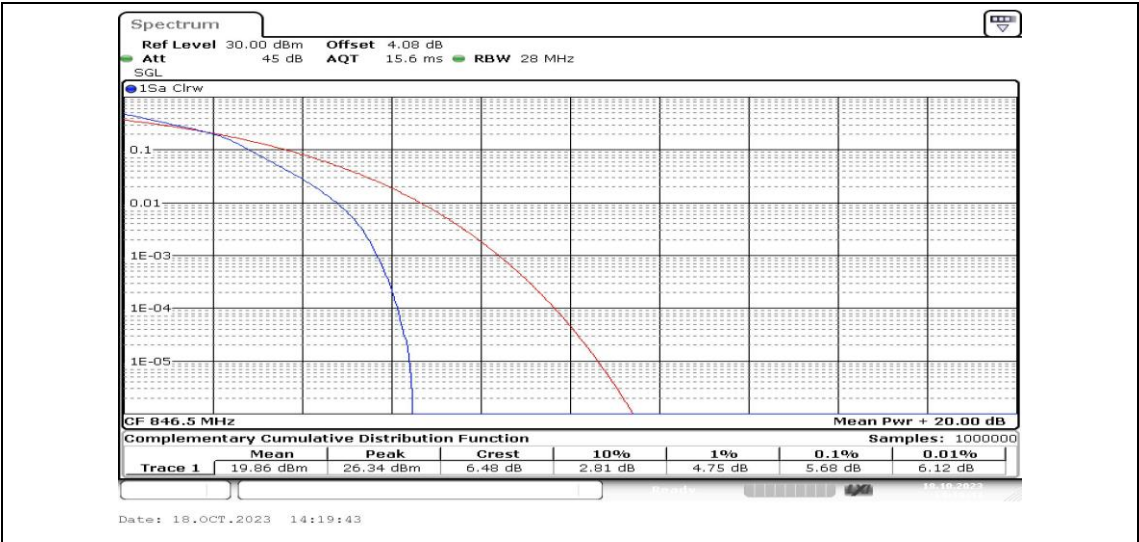
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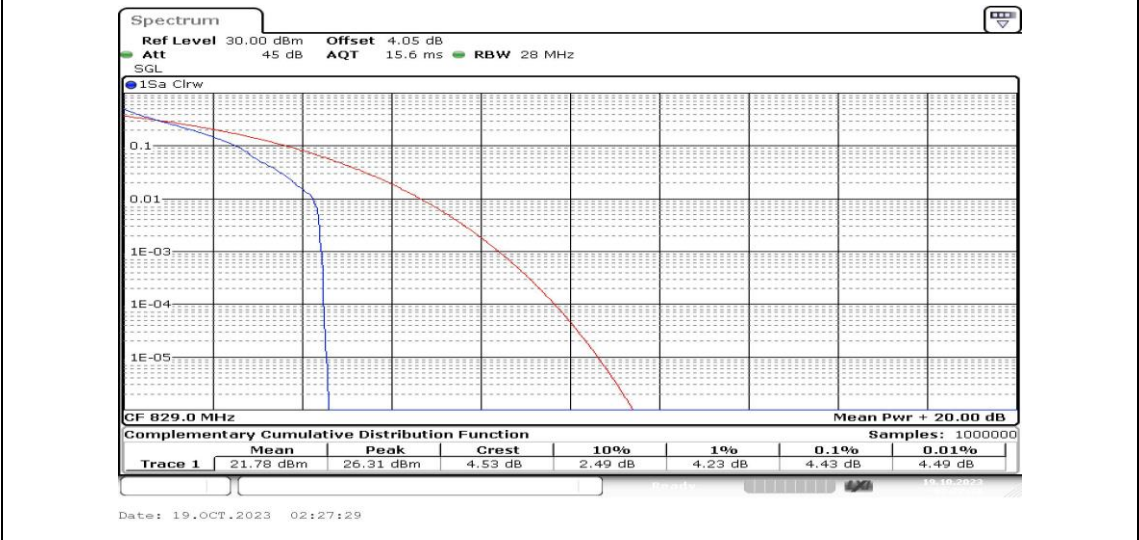
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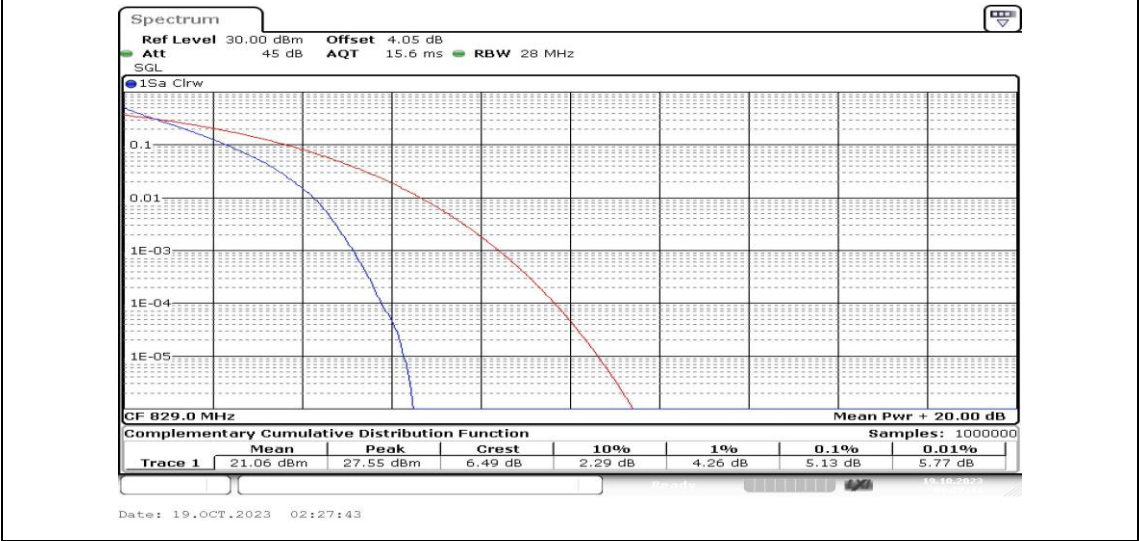
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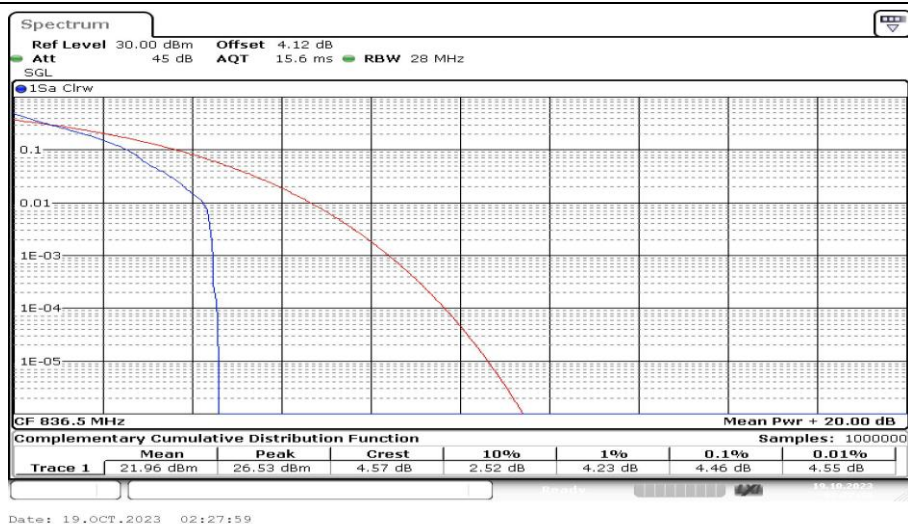
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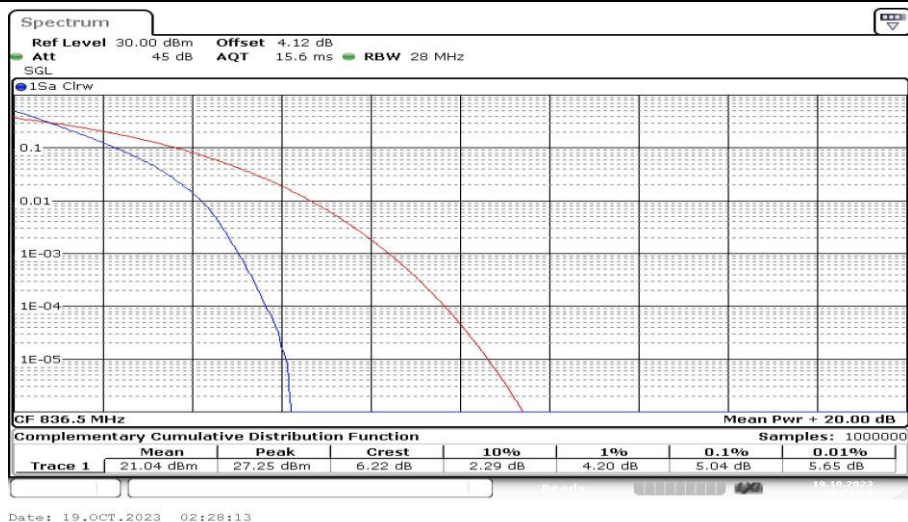
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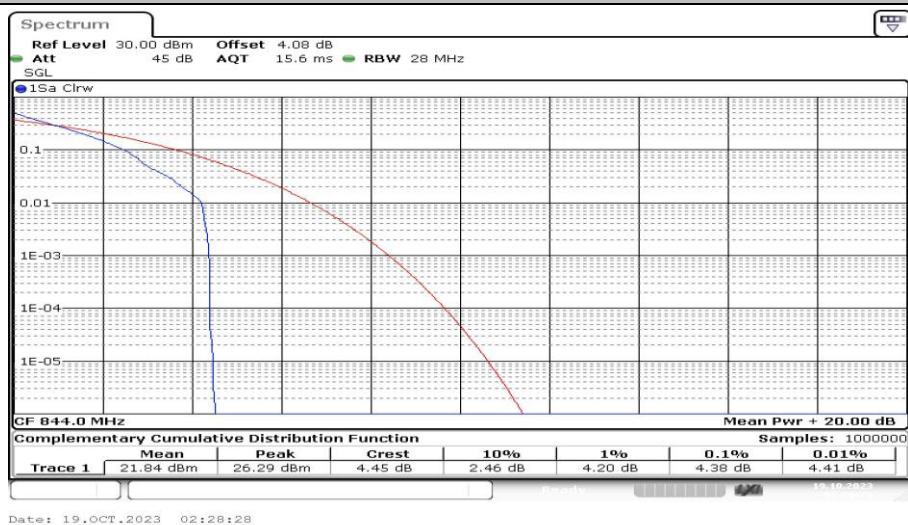
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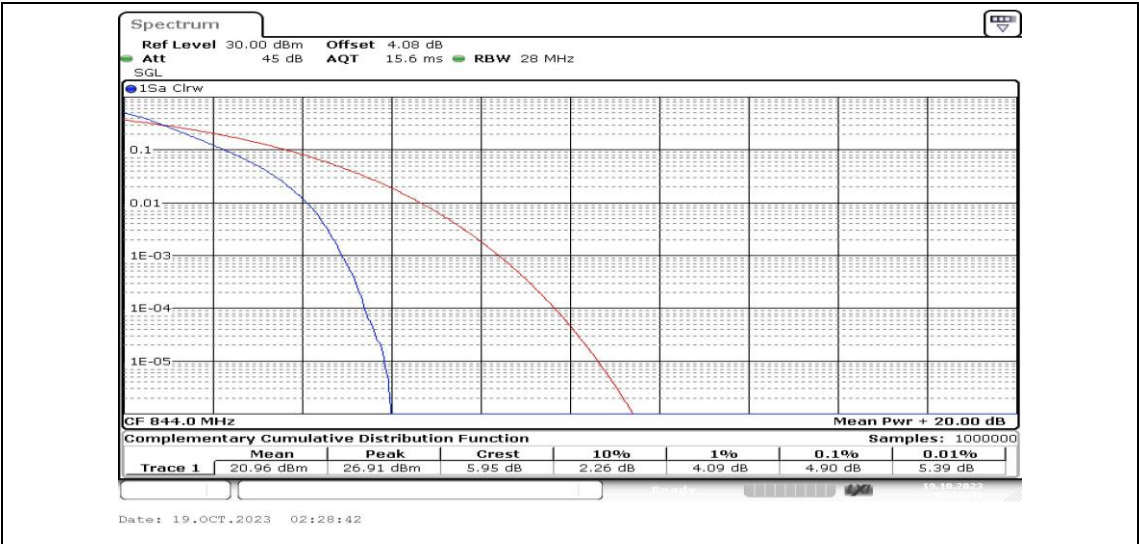
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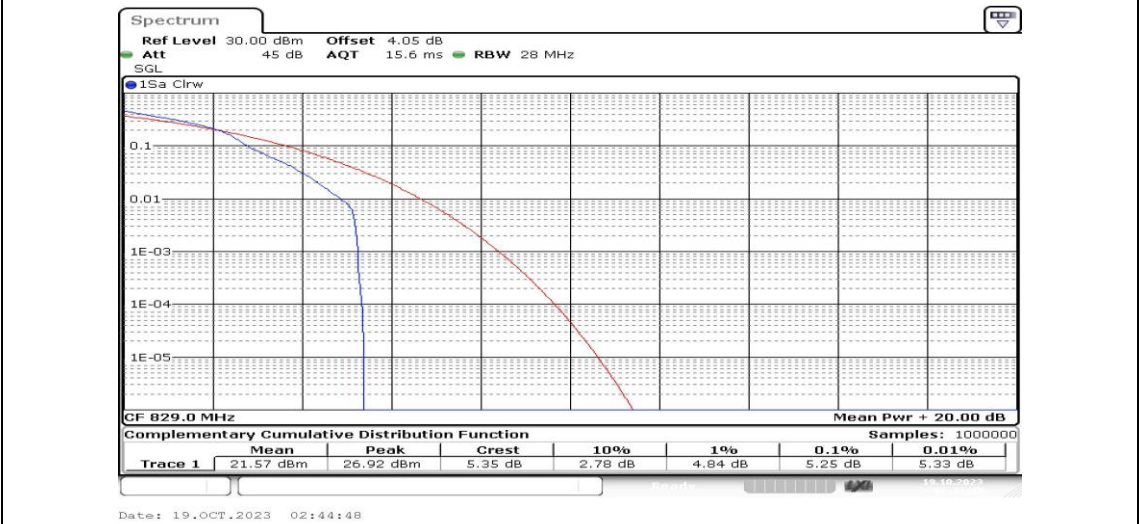
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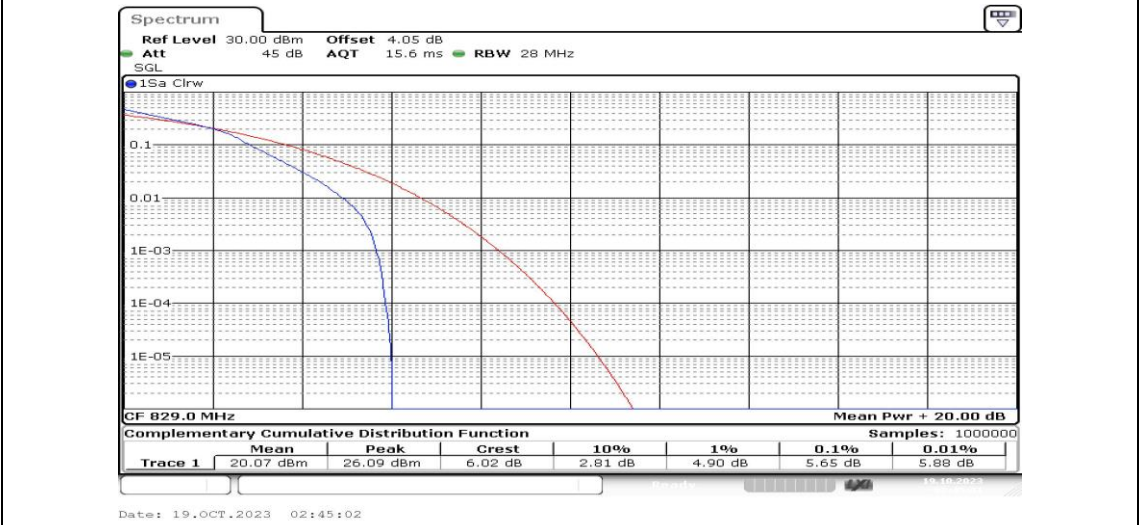
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Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20450-1RB#0-PASS



Band5-10MHz-16QAM-20450-25RB#0-PASS