

Appendix for Band 5

Product Name: Smart Phone

Model No: X62

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.10	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.26	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.44	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.27	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.21	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.13	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.19	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.13	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.17	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.09	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.18	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.23	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.11	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.26	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.38	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.05	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.26	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.22	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.14	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.23	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.17	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.27	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.11	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.17	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.19	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.34	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.36	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.59	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.26	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.37	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.27	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.22	PASS

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Band5	1.4MHz	QPSK	20643	3RB#1	23.24	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.20	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.34	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.33	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.21	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.34	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.11	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.29	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.06	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.32	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.15	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.18	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.14	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.19	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.17	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.22	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.13	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.17	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.13	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.37	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.16	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.30	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.10	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.22	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.26	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.20	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.25	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.20	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.20	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.19	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.17	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.21	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.44	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.26	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.40	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.24	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.38	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.26	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.27	PASS

Band5	3MHz	QPSK	20635	8RB#4	22.27	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.27	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.27	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.25	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.27	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.16	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.06	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.11	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.21	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.25	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.05	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.11	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.02	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.03	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.10	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.06	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.13	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.14	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.12	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.13	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.15	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.17	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.22	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.28	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.07	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.18	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.16	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.16	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.19	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.19	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.16	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.22	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.21	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.15	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.35	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.27	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.56	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.15	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.41	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.20	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.27	PASS

Band5	5MHz	QPSK	20625	12RB#6	22.23	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.22	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.19	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.20	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.23	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.23	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.10	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.29	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.14	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.42	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.08	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.30	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.15	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.19	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.14	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.17	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.19	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.15	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.16	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.10	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.33	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.43	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.34	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.08	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.29	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.25	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.24	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.28	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.25	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.27	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.24	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.22	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.27	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.16	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.35	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.25	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.44	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.19	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.40	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.29	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.30	PASS

Band5	10MHz	QPSK	20600	25RB#12	22.28	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.29	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.25	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.29	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.24	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.27	PASS

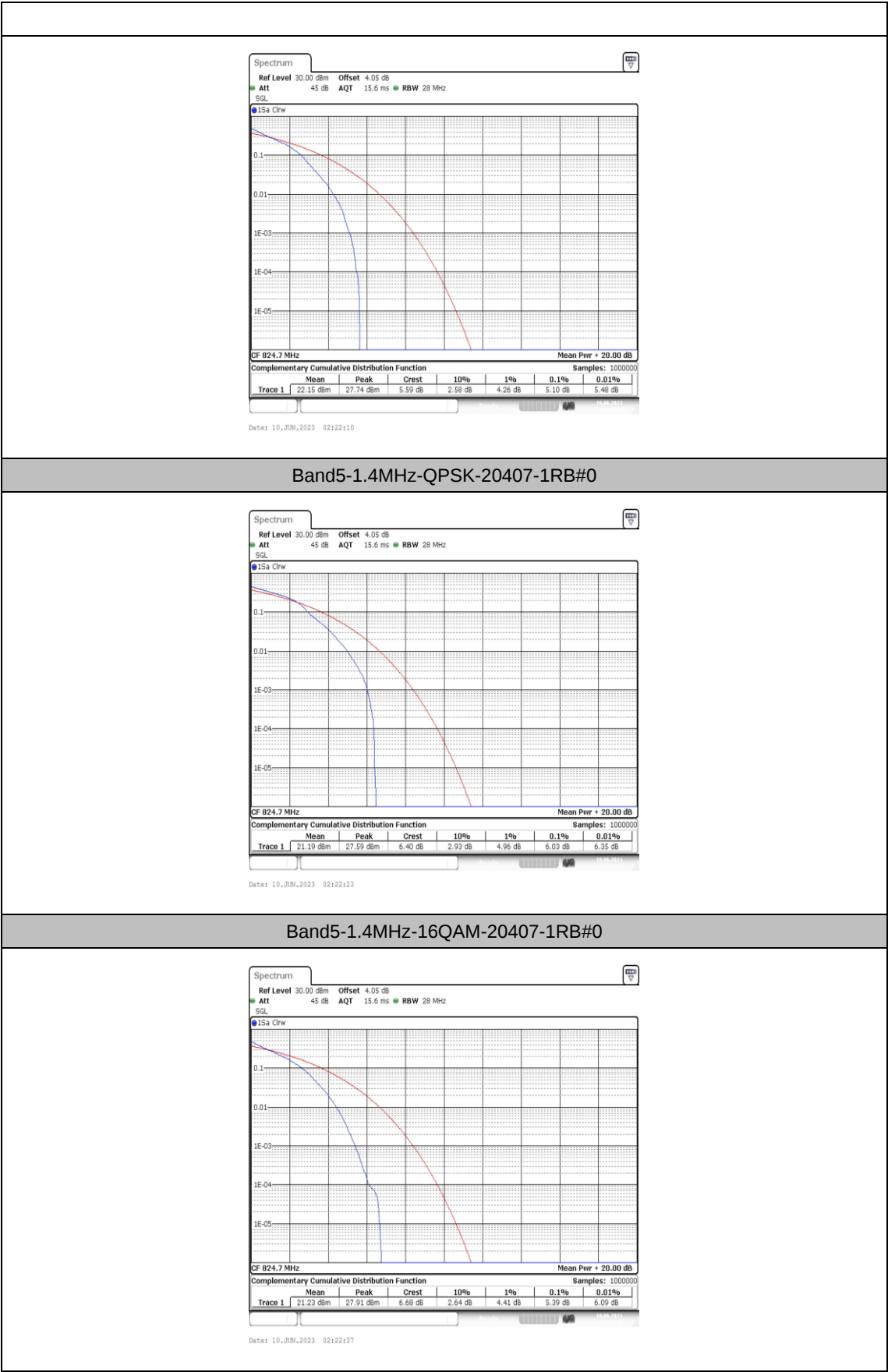
Appendix B: Peak-to-Average Ratio(CCDF)

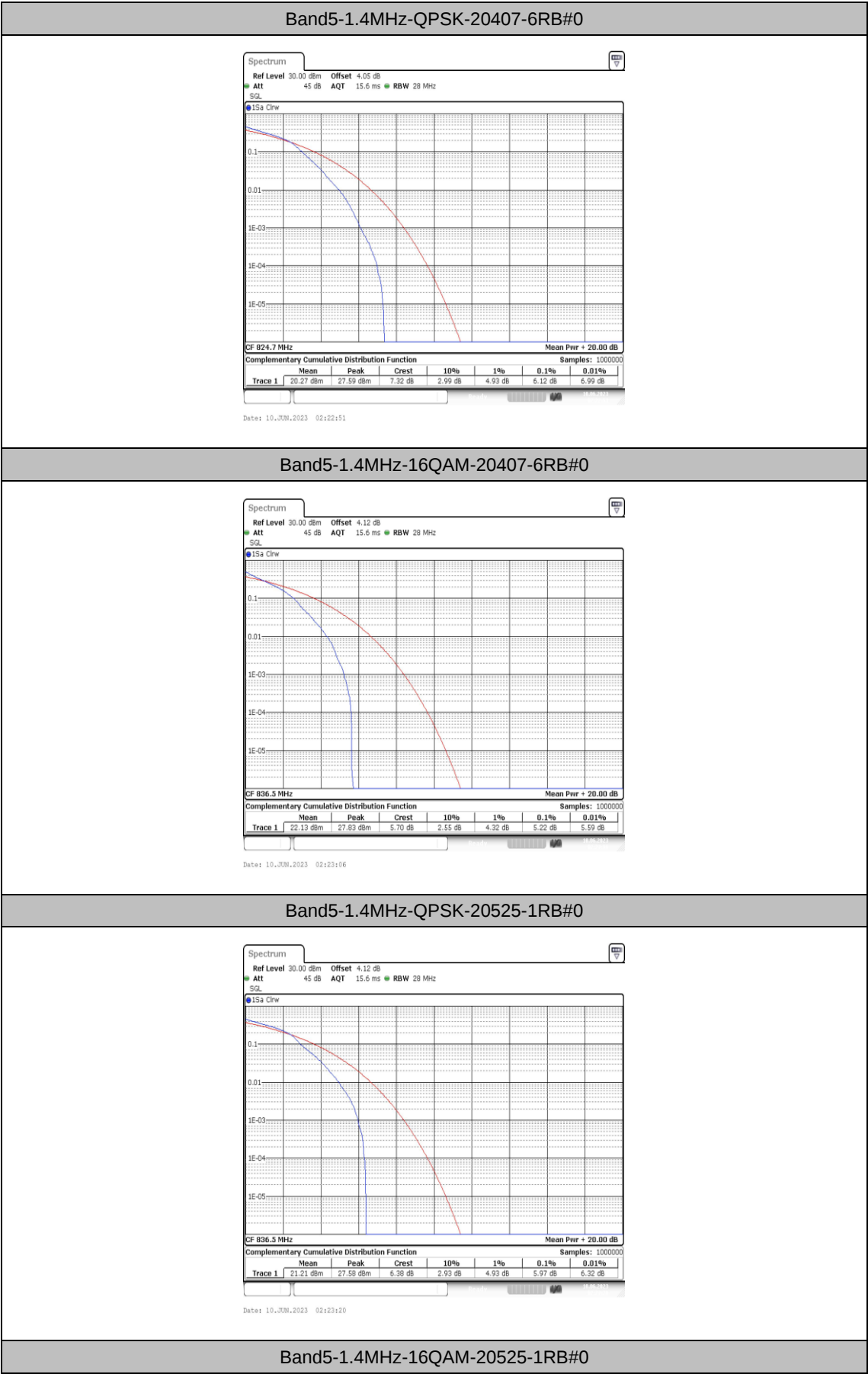
Test Result

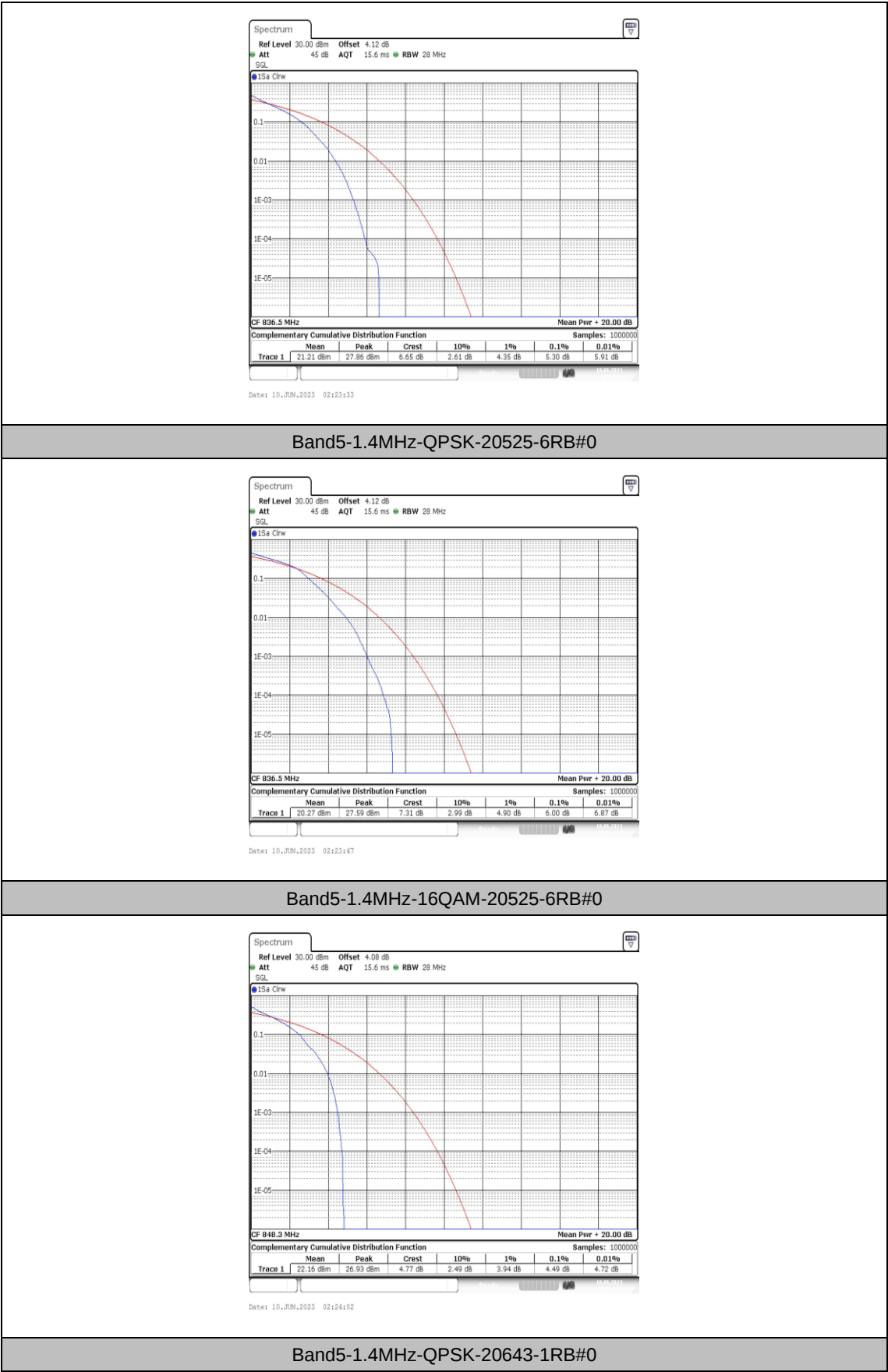
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.10	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.03	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.39	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.12	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.22	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.97	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.30	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.00	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.49	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.19	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.04	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.83	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.91	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.42	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.20	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.83	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.39	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.14	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.16	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.30	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.14	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.42	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.93	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.51	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.22	13	PASS

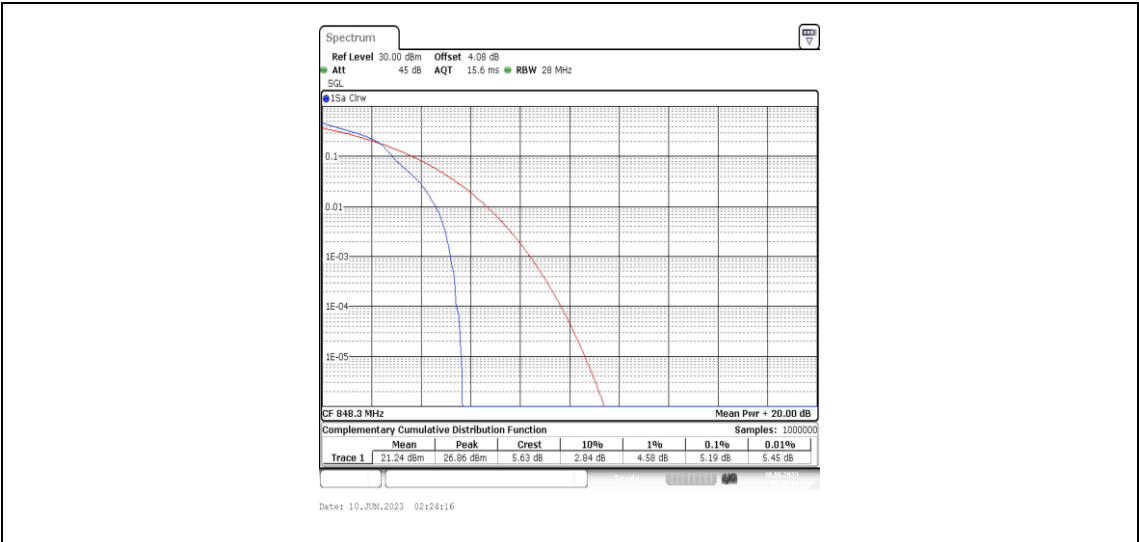
Band5	5MHz	16QAM	20625	25RB#0	6.00	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.97	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.10	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.06	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.72	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.25	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.06	13	PASS

Test Graphs

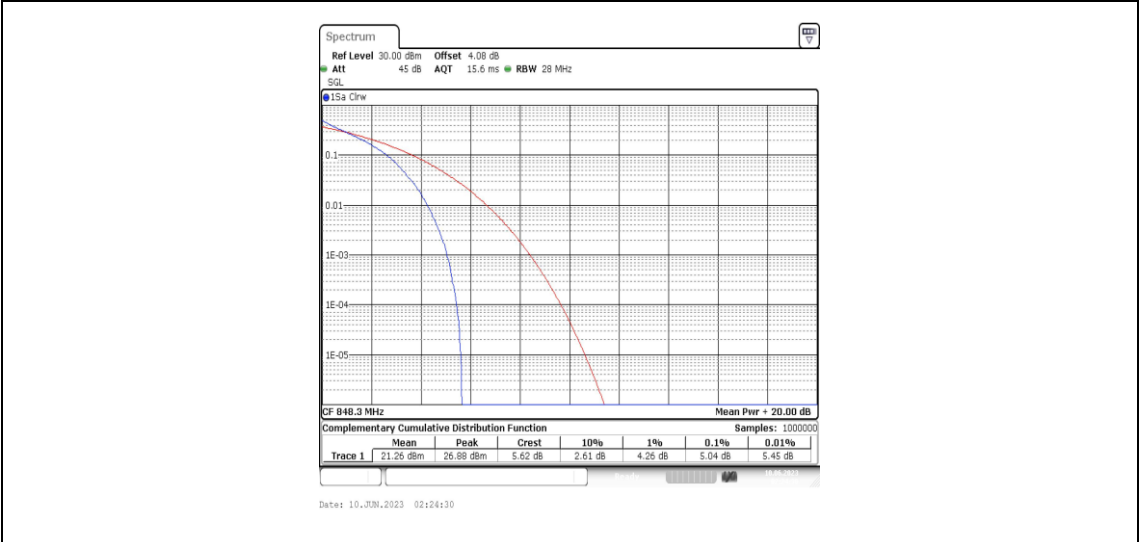




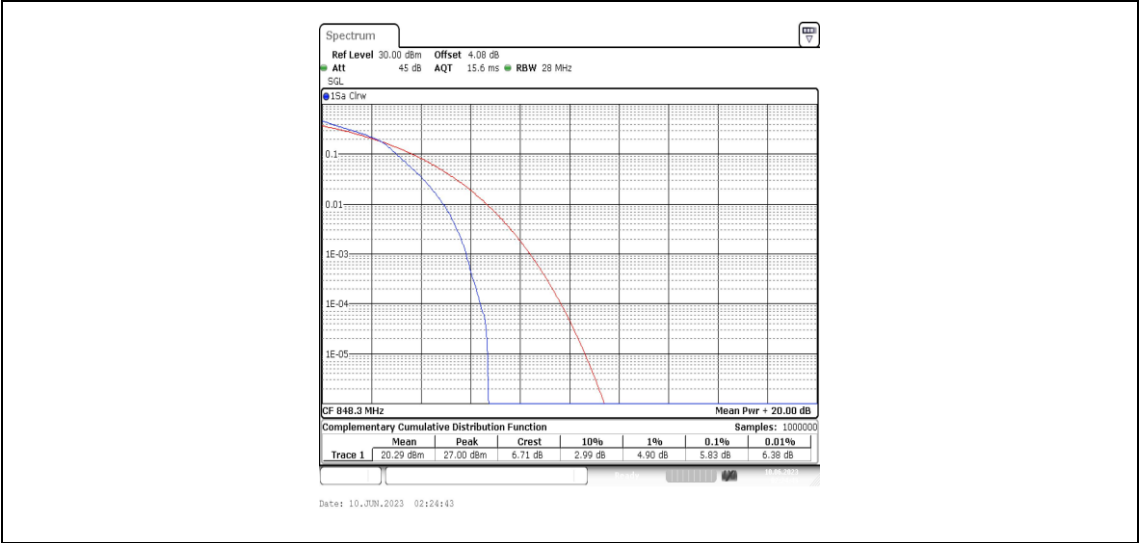




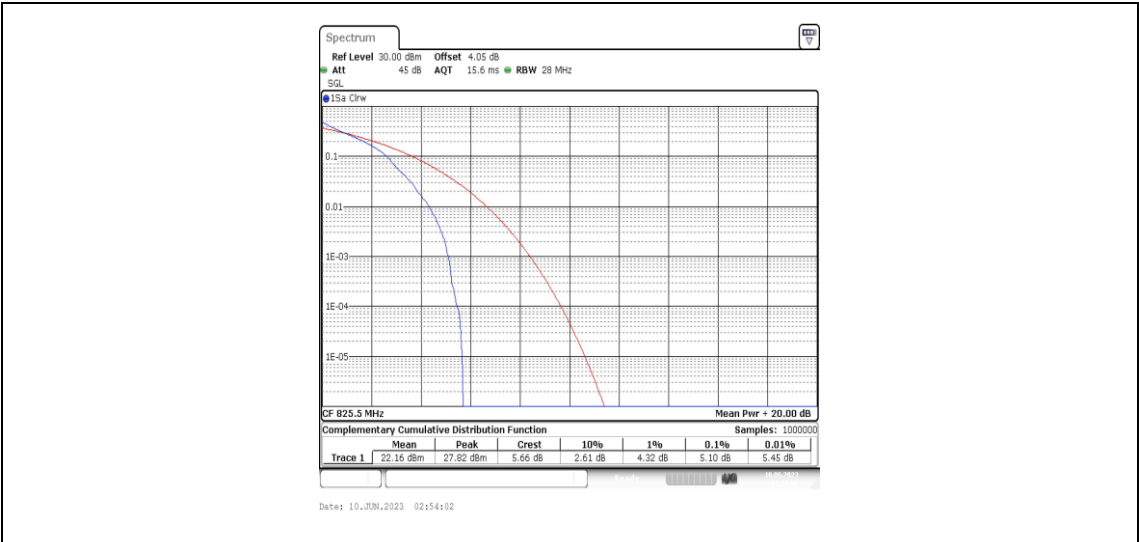
Band5-1.4MHz-16QAM-20643-1RB#0



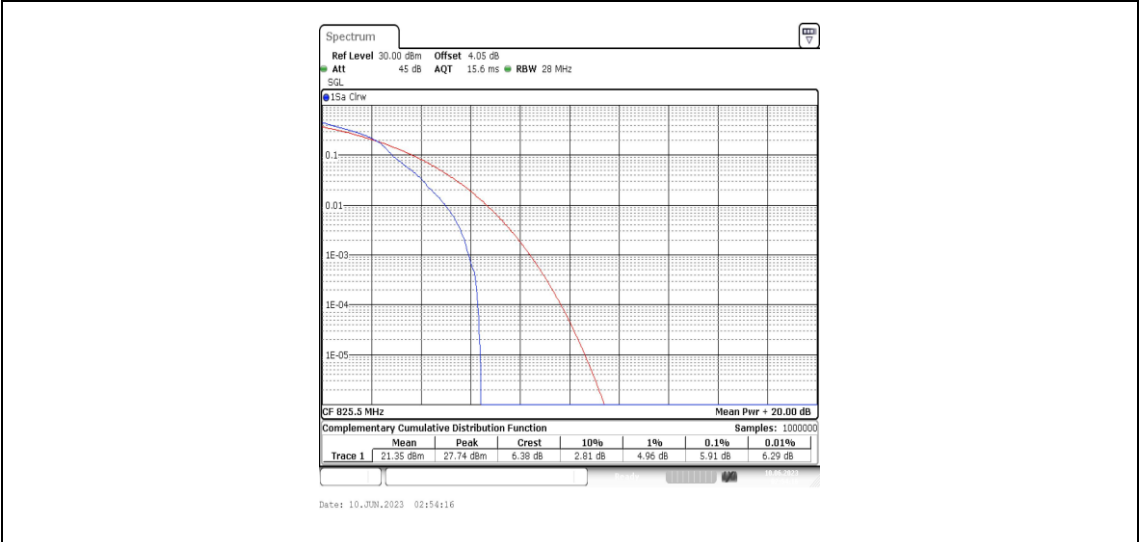
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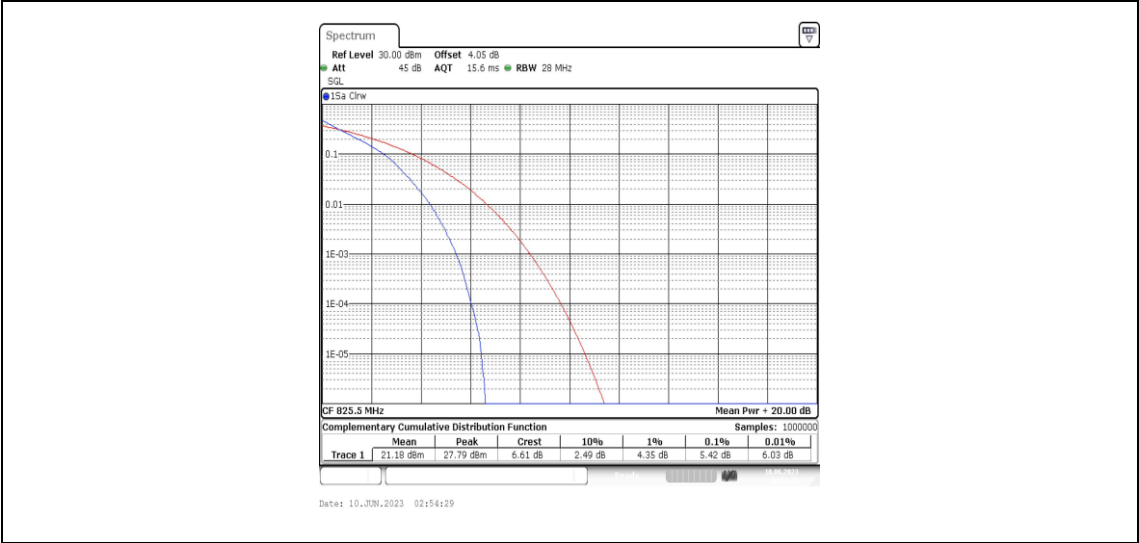
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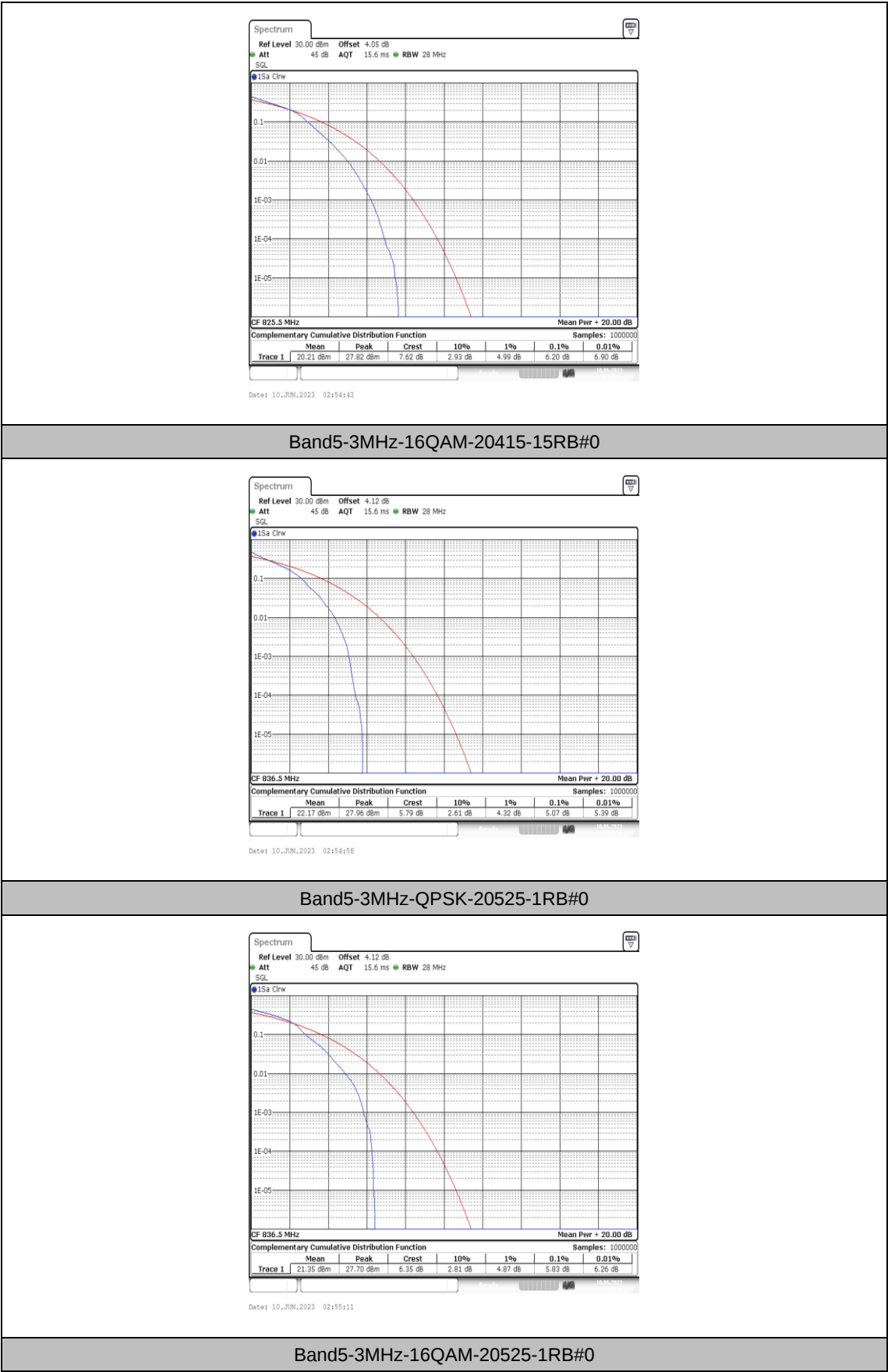
Band5-3MHz-QPSK-20415-1RB#0

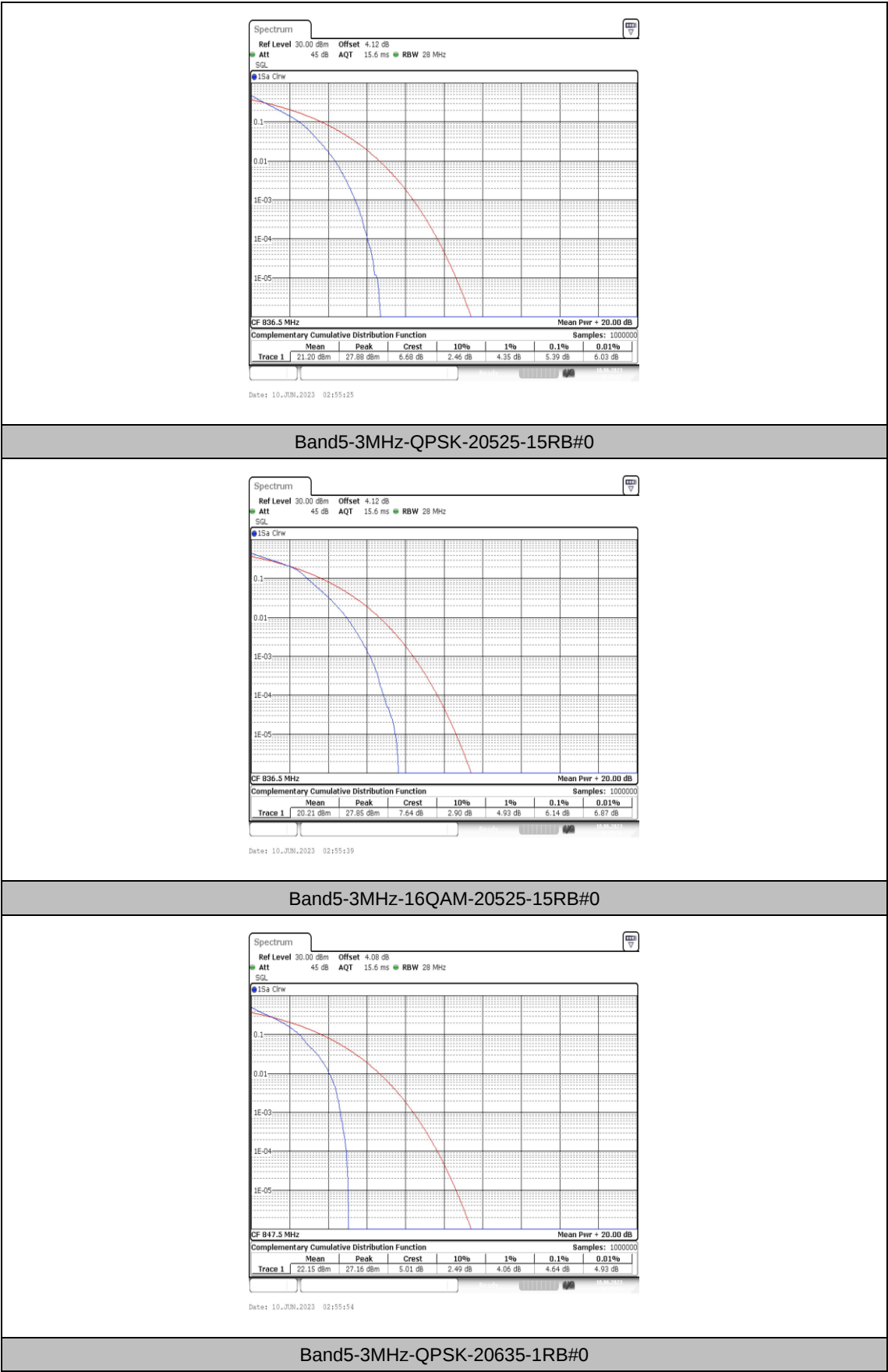


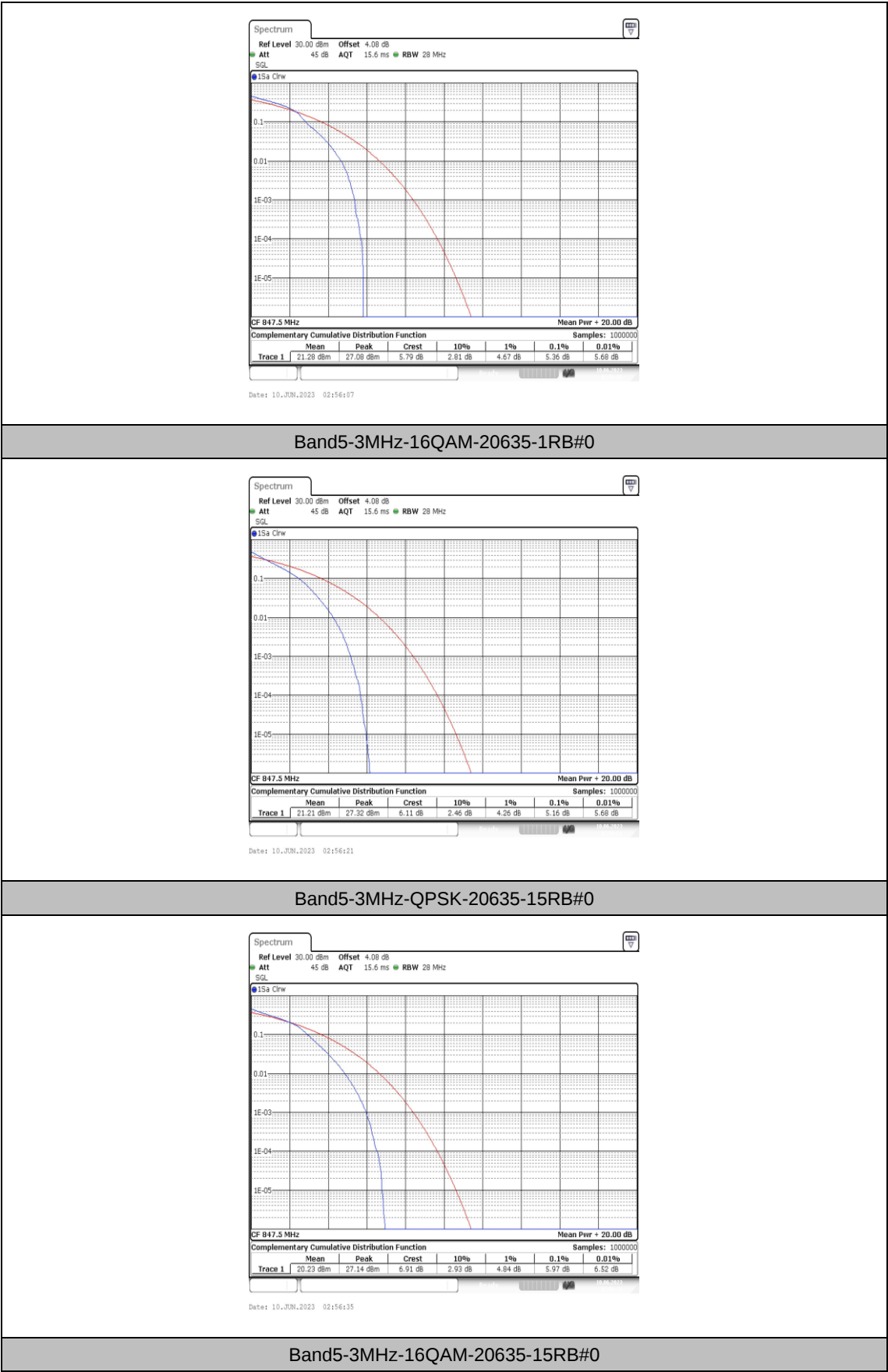
Band5-3MHz-16QAM-20415-1RB#0

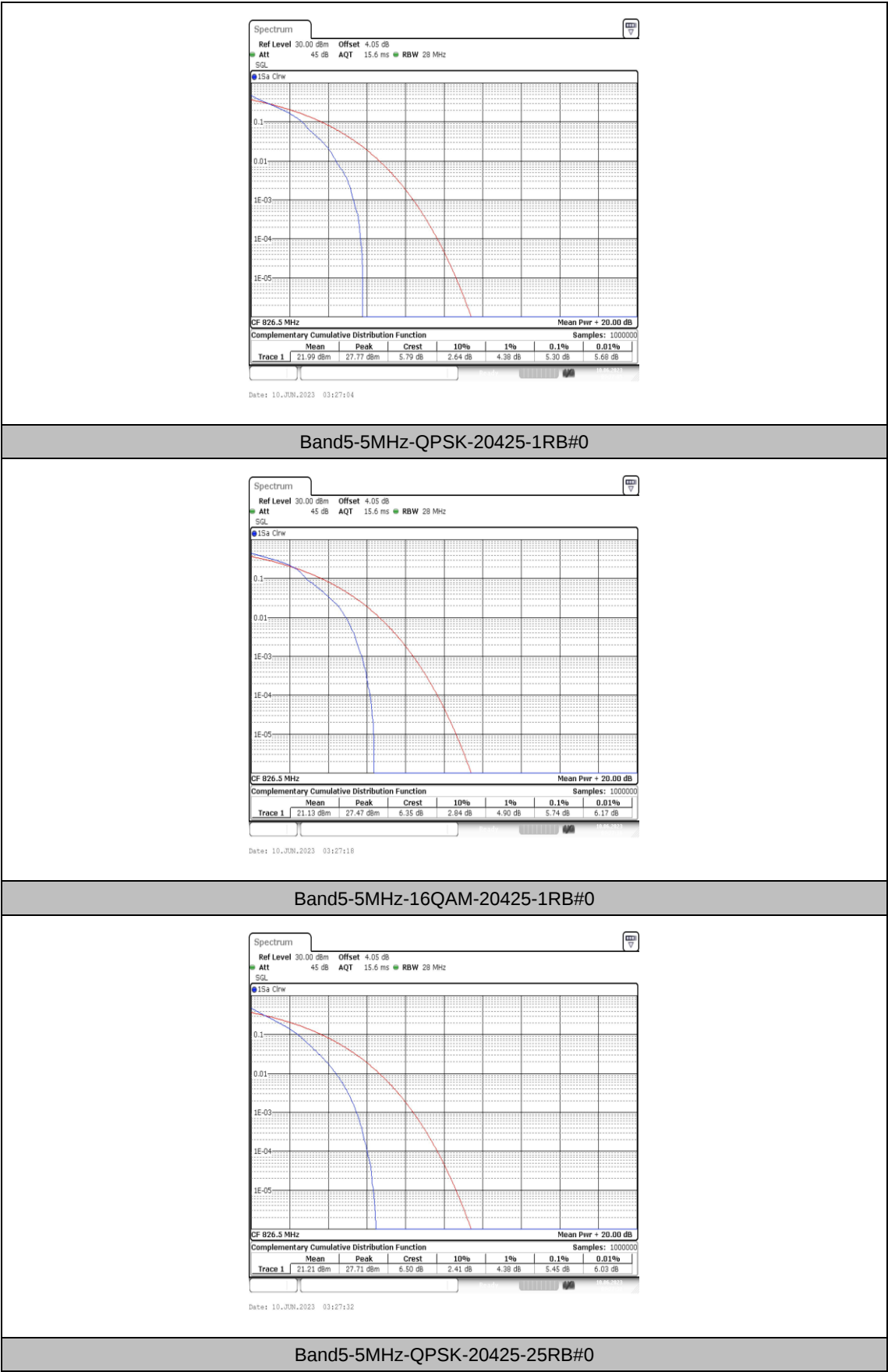


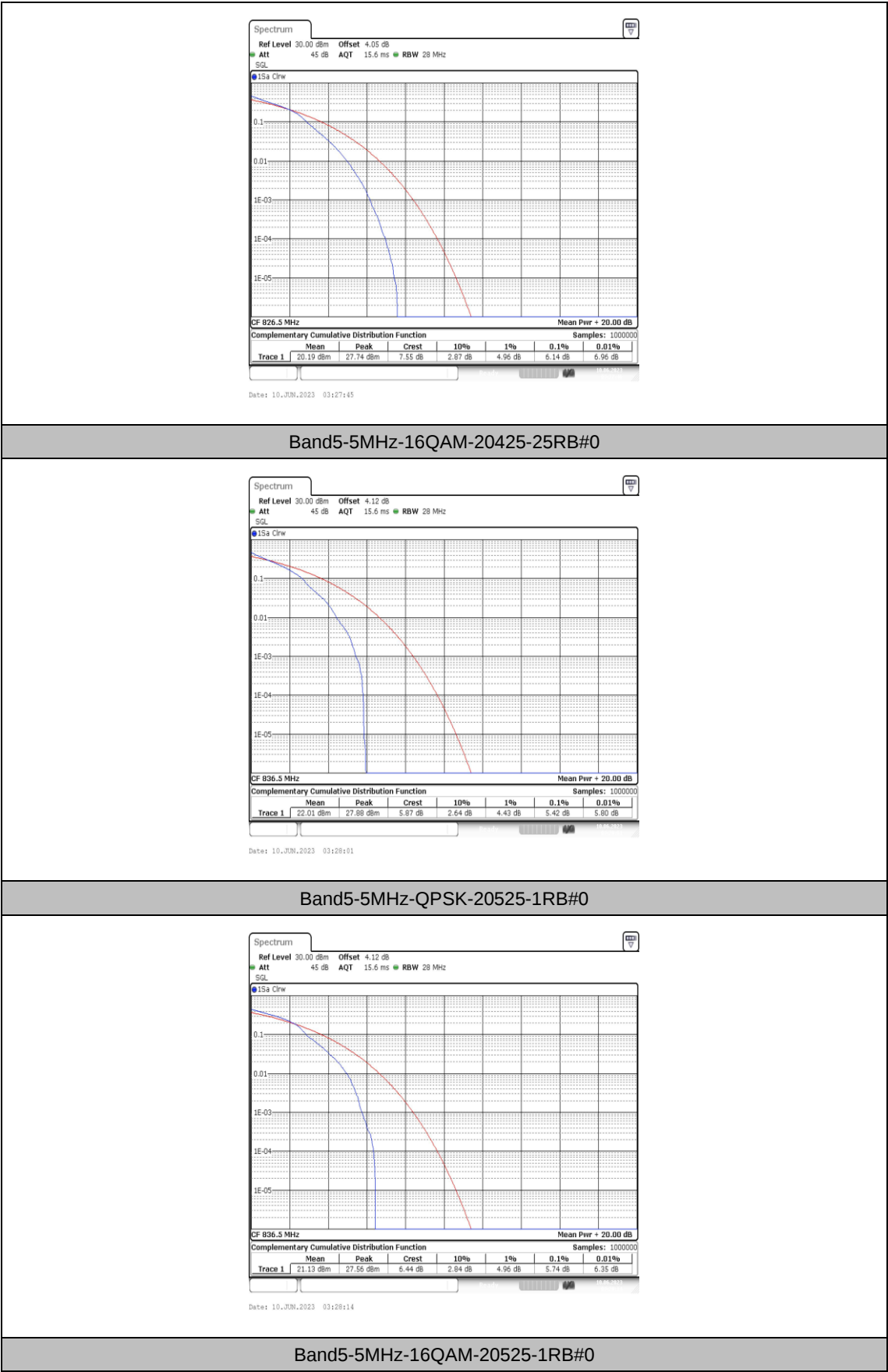
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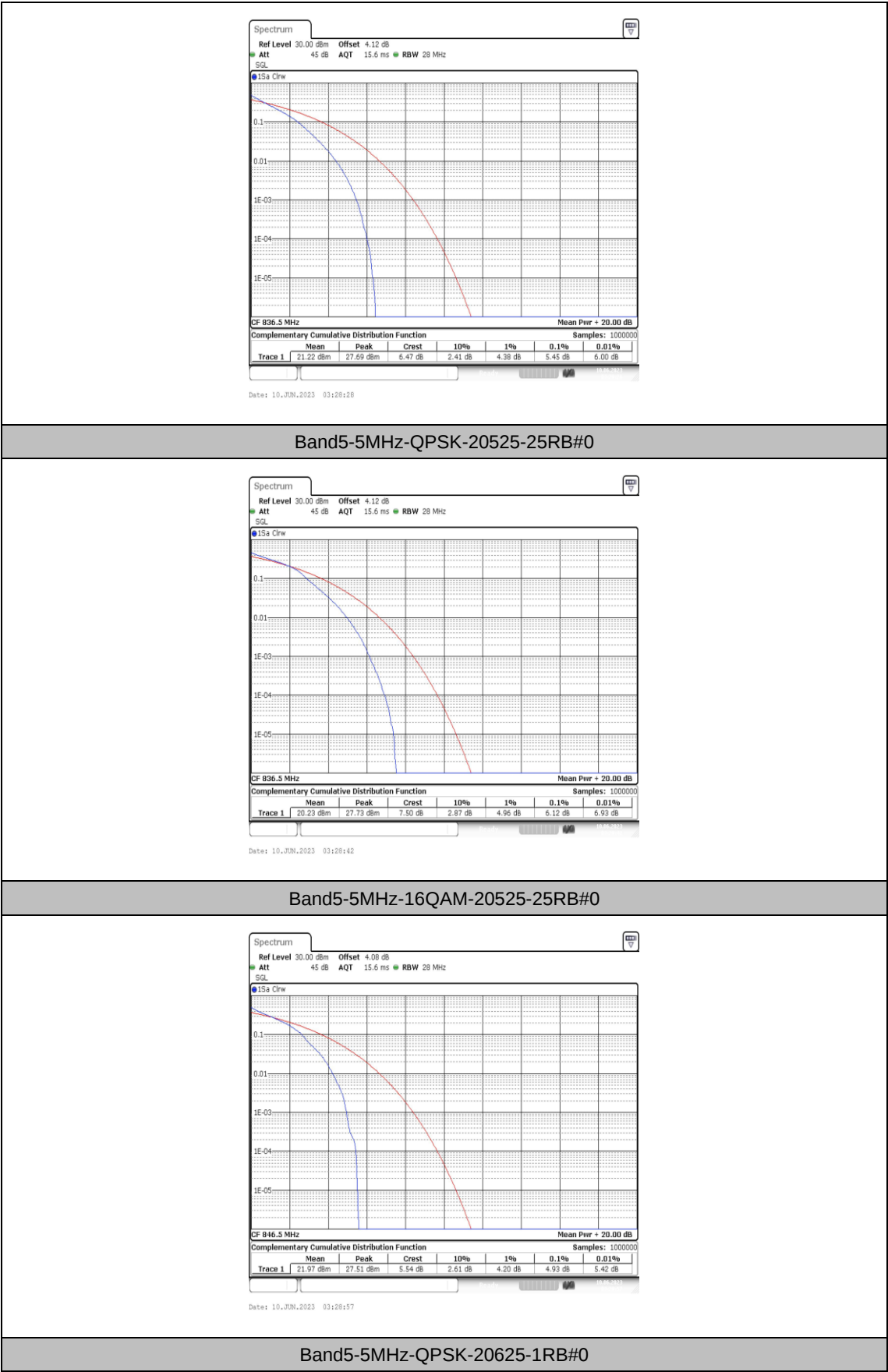


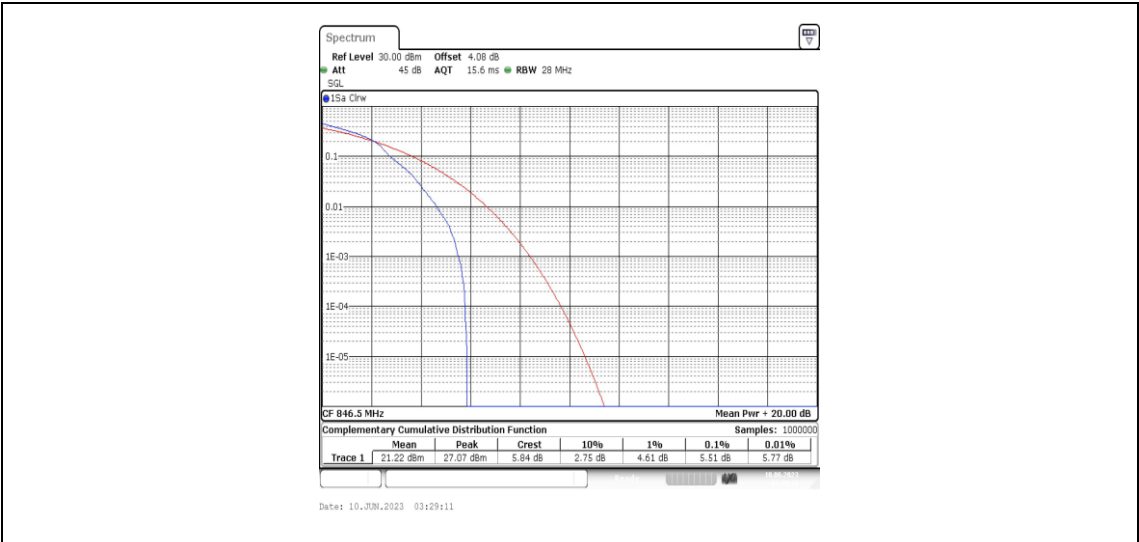




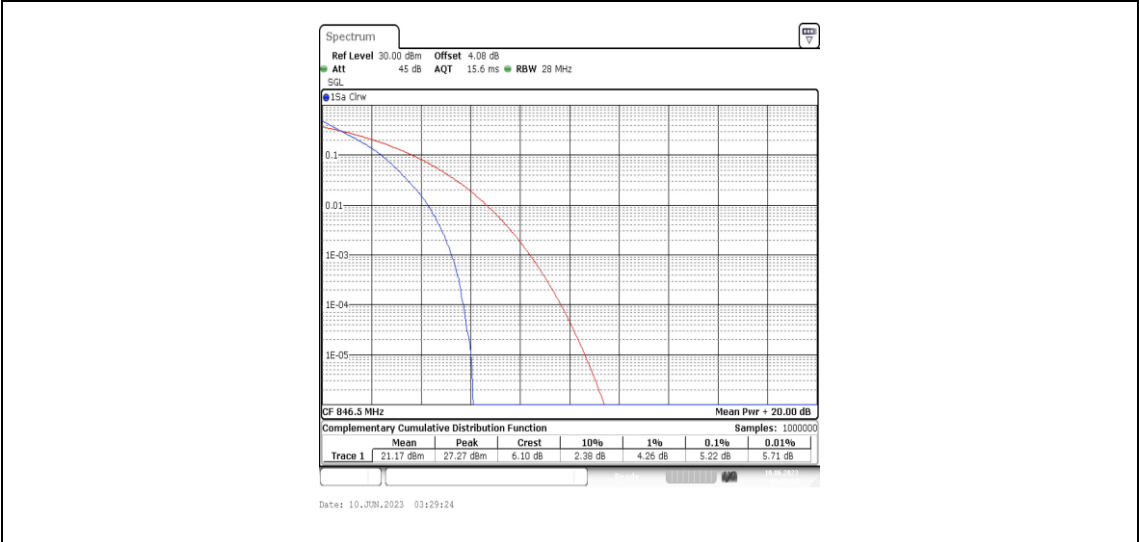




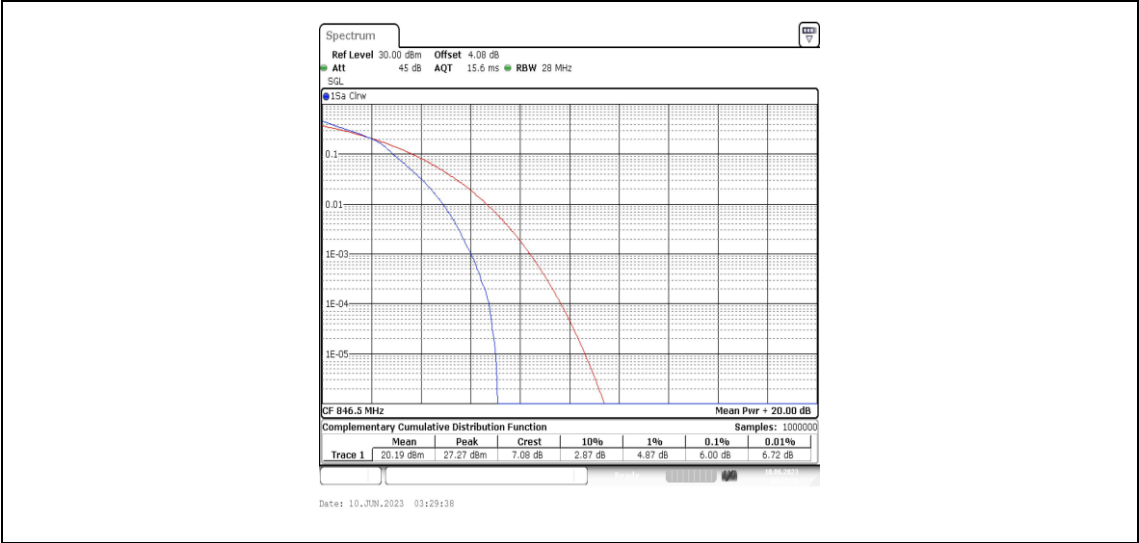




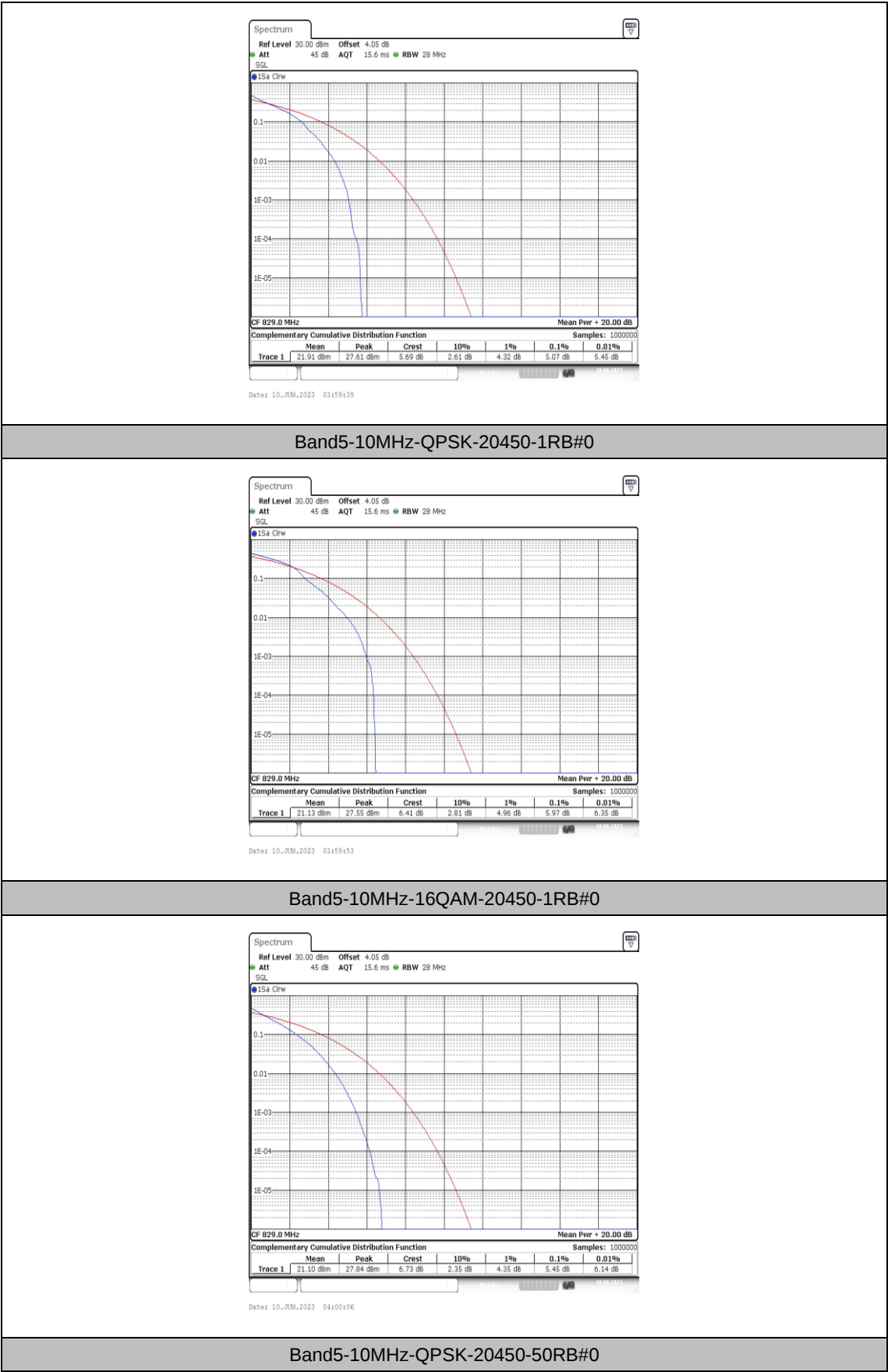
Band5-5MHz-16QAM-20625-1RB#0

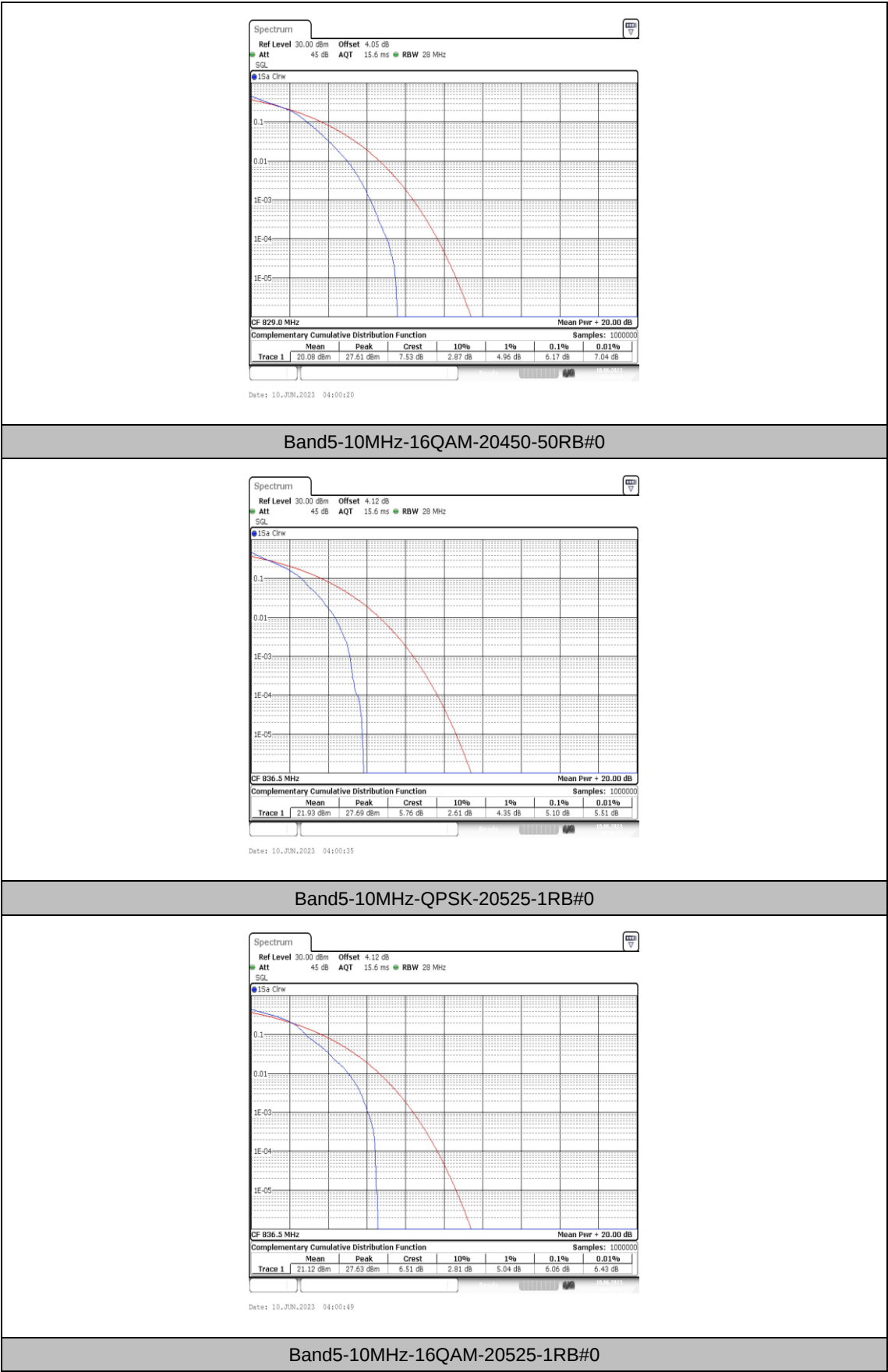


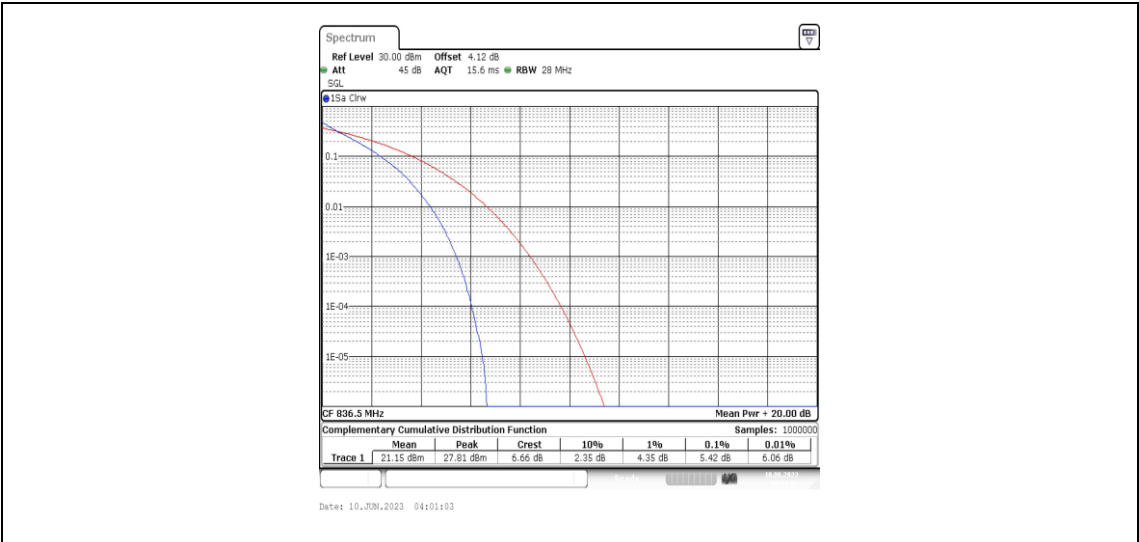
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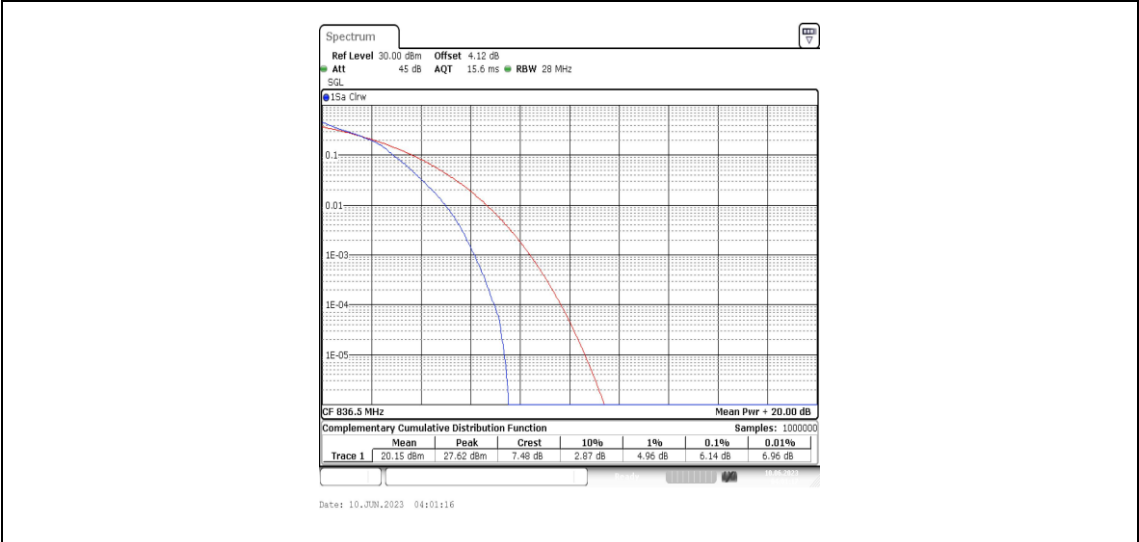
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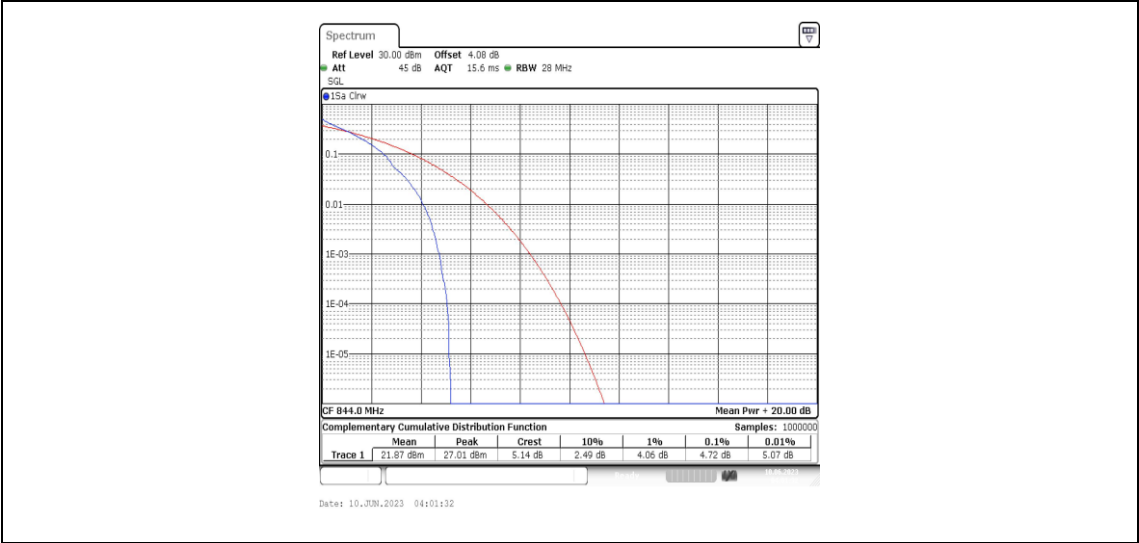




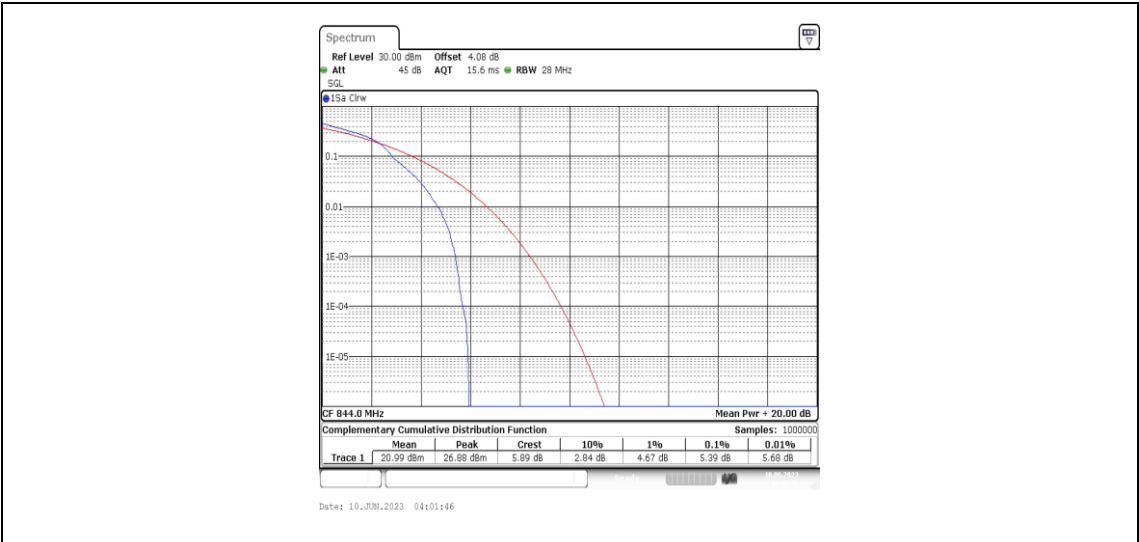
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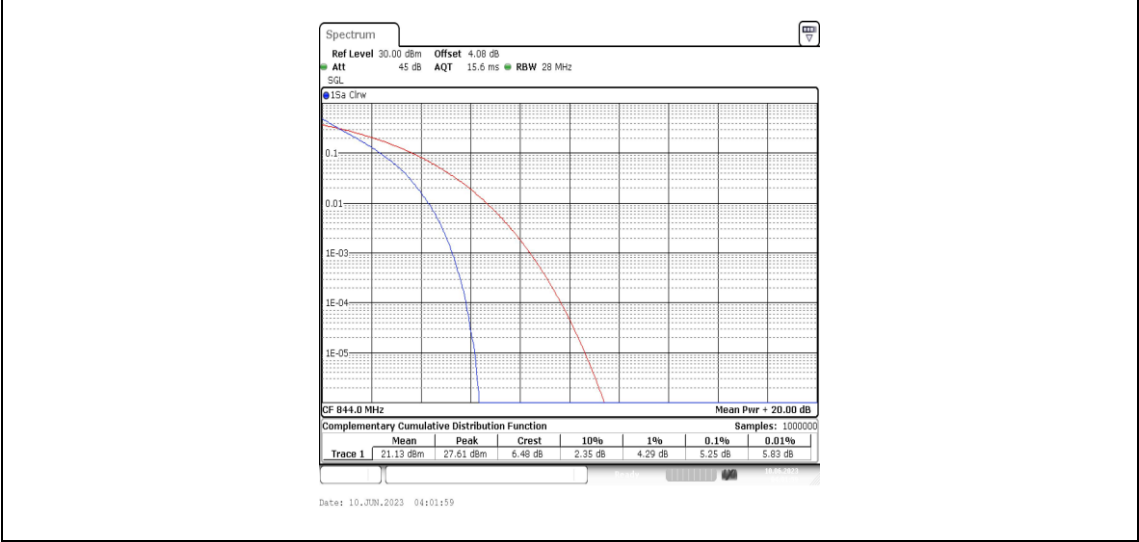
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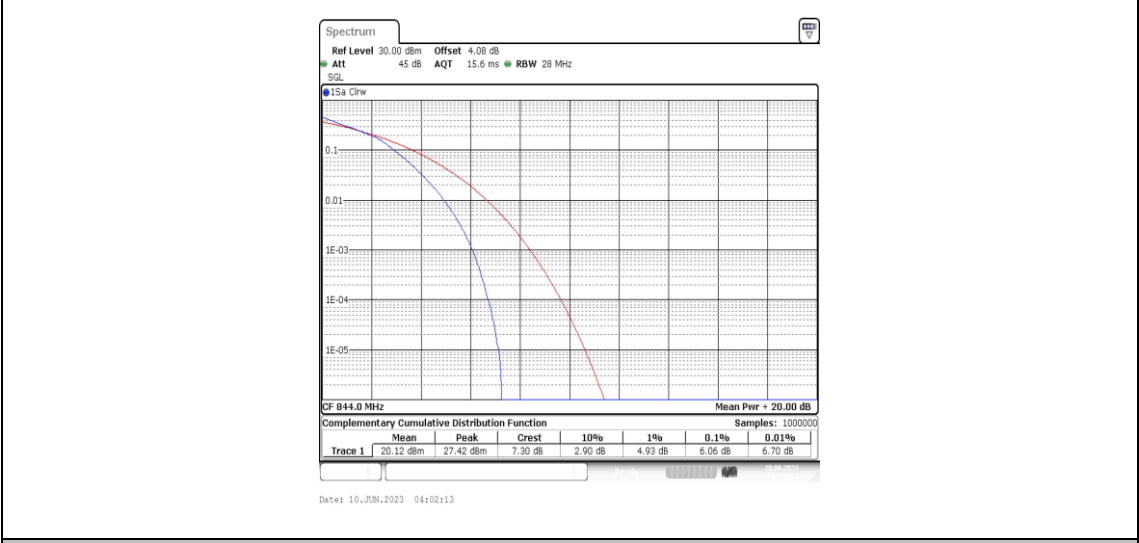
Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-16QAM-20600-1RB#0



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



Band5-10MHz-16QAM-20600-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.088	1.21	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.21	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.088	1.23	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.22	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.083	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.686	2.84	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.686	2.84	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.686	2.83	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.686	2.85	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.696	2.85	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.686	2.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.496	4.78	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.505	4.76	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.496	4.78	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.496	4.76	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.496	4.77	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.77	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.985	9.53	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.985	9.53	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.53	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.985	9.53	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.018	9.53	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.985	9.53	PASS

Test Graphs

