

Appendix for WCDMA BAND 2&4&5

Product Name: Smart phone

Model No: Black 5

Appendix A: Average Power Output Data

Test Result

Normal:

Band	Channel	Power(dBm)	Verdict
Band2	9262	22.83	PASS
Band2	9400	22.95	PASS
Band2	9538	22.91	PASS
Band4	1312	23.01	PASS
Band4	1413	22.99	PASS
Band4	1513	23.42	PASS
Band5	4132	23.67	PASS
Band5	4182	23.48	PASS
Band5	4233	23.47	PASS

Band	Channel	SubTest	Power(dBm)	Verdict
Band2	9262	1	21.96	PASS
Band2	9400	1	22.22	PASS
Band2	9538	1	21.99	PASS
Band2	9262	2	21.50	PASS
Band2	9400	2	21.70	PASS
Band2	9538	2	21.51	PASS
Band2	9262	3	21.50	PASS
Band2	9400	3	21.68	PASS
Band2	9538	3	21.55	PASS
Band2	9262	4	21.45	PASS
Band2	9400	4	21.65	PASS
Band2	9538	4	21.53	PASS
Band4	1312	1	22.35	PASS
Band4	1413	1	22.20	PASS
Band4	1513	1	22.57	PASS
Band4	1312	2	21.84	PASS
Band4	1413	2	21.68	PASS
Band4	1513	2	22.04	PASS
Band4	1312	3	21.88	PASS
Band4	1413	3	21.71	PASS
Band4	1513	3	22.06	PASS
Band4	1312	4	21.89	PASS
Band4	1413	4	21.69	PASS
Band4	1513	4	22.07	PASS

Band5	4132	1	22.73	PASS
Band5	4182	1	22.57	PASS
Band5	4233	1	22.60	PASS
Band5	4132	2	22.23	PASS
Band5	4182	2	22.07	PASS
Band5	4233	2	22.10	PASS
Band5	4132	3	22.26	PASS
Band5	4182	3	22.11	PASS
Band5	4233	3	22.12	PASS
Band5	4132	4	22.23	PASS
Band5	4182	4	22.07	PASS
Band5	4233	4	22.09	PASS

Band	Channel	SubTest	Power(dBm)	Verdict
Band2	9262	1	19.94	PASS
Band2	9400	1	20.03	PASS
Band2	9538	1	19.96	PASS
Band2	9262	2	19.92	PASS
Band2	9400	2	20.05	PASS
Band2	9538	2	19.97	PASS
Band2	9262	3	20.96	PASS
Band2	9400	3	21.04	PASS
Band2	9538	3	20.99	PASS
Band2	9262	4	19.43	PASS
Band2	9400	4	19.53	PASS
Band2	9538	4	19.48	PASS
Band2	9262	5	20.89	PASS
Band2	9400	5	21.05	PASS
Band2	9538	5	20.98	PASS
Band4	1312	1	20.35	PASS
Band4	1413	1	20.11	PASS
Band4	1513	1	20.46	PASS
Band4	1312	2	20.31	PASS
Band4	1413	2	20.10	PASS
Band4	1513	2	20.48	PASS
Band4	1312	3	21.32	PASS
Band4	1413	3	21.13	PASS
Band4	1513	3	21.47	PASS
Band4	1312	4	19.83	PASS
Band4	1413	4	19.70	PASS
Band4	1513	4	19.93	PASS
Band4	1312	5	21.40	PASS

Band4	1413	5	21.09	PASS
Band4	1513	5	21.48	PASS
Band5	4132	1	20.74	PASS
Band5	4182	1	20.60	PASS
Band5	4233	1	20.62	PASS
Band5	4132	2	20.74	PASS
Band5	4182	2	20.59	PASS
Band5	4233	2	20.59	PASS
Band5	4132	3	21.75	PASS
Band5	4182	3	21.59	PASS
Band5	4233	3	21.64	PASS
Band5	4132	4	20.27	PASS
Band5	4182	4	20.10	PASS
Band5	4233	4	20.15	PASS
Band5	4132	5	21.74	PASS
Band5	4182	5	21.57	PASS
Band5	4233	5	21.58	PASS

Receiver ON:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	16.25	33.01	PASS
Band2	9400	16.41	33.01	PASS
Band2	9538	16.32	33.01	PASS
Band4	1312	17.86	30.00	PASS
Band4	1413	17.68	30.00	PASS
Band4	1513	17.99	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	15.31	33.01	PASS
Band2	9400	1	15.53	33.01	PASS
Band2	9538	1	15.38	33.01	PASS
Band2	9262	2	14.82	33.01	PASS
Band2	9400	2	15.02	33.01	PASS
Band2	9538	2	14.85	33.01	PASS
Band2	9262	3	14.84	33.01	PASS
Band2	9400	3	15.02	33.01	PASS
Band2	9538	3	14.88	33.01	PASS
Band2	9262	4	14.83	33.01	PASS
Band2	9400	4	14.98	33.01	PASS
Band2	9538	4	14.86	33.01	PASS
Band4	1312	1	16.85	30.00	PASS

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Band4	1413	1	16.69	30.00	PASS
Band4	1513	1	17.01	30.00	PASS
Band4	1312	2	16.36	30.00	PASS
Band4	1413	2	16.15	30.00	PASS
Band4	1513	2	16.52	30.00	PASS
Band4	1312	3	16.38	30.00	PASS
Band4	1413	3	16.23	30.00	PASS
Band4	1513	3	16.50	30.00	PASS
Band4	1312	4	16.38	30.00	PASS
Band4	1413	4	16.16	30.00	PASS
Band4	1513	4	16.49	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	13.30	33.01	PASS
Band2	9400	1	13.46	33.01	PASS
Band2	9538	1	13.31	33.01	PASS
Band2	9262	2	13.30	33.01	PASS
Band2	9400	2	13.44	33.01	PASS
Band2	9538	2	13.31	33.01	PASS
Band2	9262	3	14.31	33.01	PASS
Band2	9400	3	14.45	33.01	PASS
Band2	9538	3	14.36	33.01	PASS
Band2	9262	4	12.79	33.01	PASS
Band2	9400	4	12.96	33.01	PASS
Band2	9538	4	12.86	33.01	PASS
Band2	9262	5	14.27	33.01	PASS
Band2	9400	5	14.46	33.01	PASS
Band2	9538	5	14.27	33.01	PASS
Band4	1312	1	14.82	30.00	PASS
Band4	1413	1	14.62	30.00	PASS
Band4	1513	1	14.93	30.00	PASS
Band4	1312	2	14.84	30.00	PASS
Band4	1413	2	14.61	30.00	PASS
Band4	1513	2	14.94	30.00	PASS
Band4	1312	3	15.83	30.00	PASS
Band4	1413	3	15.68	30.00	PASS
Band4	1513	3	15.98	30.00	PASS
Band4	1312	4	14.36	30.00	PASS
Band4	1413	4	14.20	30.00	PASS
Band4	1513	4	14.48	30.00	PASS
Band4	1312	5	15.91	30.00	PASS
Band4	1413	5	15.59	30.00	PASS

Band4	1513	5	15.95	30.00	PASS
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Hotspot ON:

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	21.73	33.01	PASS
Band2	9400	21.93	33.01	PASS
Band2	9538	21.74	33.01	PASS
Band4	1312	21.83	30.00	PASS
Band4	1413	21.68	30.00	PASS
Band4	1513	22.02	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.67	33.01	PASS
Band2	9400	1	20.94	33.01	PASS
Band2	9538	1	20.68	33.01	PASS
Band2	9262	2	20.17	33.01	PASS
Band2	9400	2	20.40	33.01	PASS
Band2	9538	2	20.20	33.01	PASS
Band2	9262	3	20.19	33.01	PASS
Band2	9400	3	20.46	33.01	PASS
Band2	9538	3	20.24	33.01	PASS
Band2	9262	4	20.16	33.01	PASS
Band2	9400	4	20.41	33.01	PASS
Band2	9538	4	20.22	33.01	PASS
Band4	1312	1	20.84	30.00	PASS
Band4	1413	1	20.68	30.00	PASS
Band4	1513	1	21.05	30.00	PASS
Band4	1312	2	20.38	30.00	PASS
Band4	1413	2	20.17	30.00	PASS
Band4	1513	2	20.51	30.00	PASS
Band4	1312	3	20.37	30.00	PASS
Band4	1413	3	20.19	30.00	PASS
Band4	1513	3	20.53	30.00	PASS
Band4	1312	4	20.35	30.00	PASS
Band4	1413	4	20.18	30.00	PASS
Band4	1513	4	20.49	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	18.52	33.01	PASS

Band2	9400	1	18.72	33.01	PASS
Band2	9538	1	18.53	33.01	PASS
Band2	9262	2	18.54	33.01	PASS
Band2	9400	2	18.71	33.01	PASS
Band2	9538	2	18.56	33.01	PASS
Band2	9262	3	19.52	33.01	PASS
Band2	9400	3	19.76	33.01	PASS
Band2	9538	3	19.56	33.01	PASS
Band2	9262	4	18.07	33.01	PASS
Band2	9400	4	18.23	33.01	PASS
Band2	9538	4	18.09	33.01	PASS
Band2	9262	5	19.52	33.01	PASS
Band2	9400	5	19.78	33.01	PASS
Band2	9538	5	19.54	33.01	PASS
Band4	1312	1	18.81	30.00	PASS
Band4	1413	1	18.61	30.00	PASS
Band4	1513	1	18.93	30.00	PASS
Band4	1312	2	18.80	30.00	PASS
Band4	1413	2	18.64	30.00	PASS
Band4	1513	2	18.95	30.00	PASS
Band4	1312	3	19.82	30.00	PASS
Band4	1413	3	19.67	30.00	PASS
Band4	1513	3	19.96	30.00	PASS
Band4	1312	4	18.38	30.00	PASS
Band4	1413	4	18.17	30.00	PASS
Band4	1513	4	18.46	30.00	PASS
Band4	1312	5	19.89	30.00	PASS
Band4	1413	5	19.60	30.00	PASS
Band4	1513	5	19.93	30.00	PASS

Sensor ON

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	21.15	33.01	PASS
Band2	9400	21.42	33.01	PASS
Band2	9538	21.30	33.01	PASS
Band4	1312	21.84	30.00	PASS
Band4	1413	21.77	30.00	PASS
Band4	1513	21.99	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.76	33.01	PASS
Band2	9400	1	21.09	33.01	PASS
Band2	9538	1	20.90	33.01	PASS
Band2	9262	2	20.23	33.01	PASS
Band2	9400	2	20.57	33.01	PASS
Band2	9538	2	20.38	33.01	PASS
Band2	9262	3	20.28	33.01	PASS
Band2	9400	3	20.59	33.01	PASS
Band2	9538	3	20.44	33.01	PASS
Band2	9262	4	20.12	33.01	PASS
Band2	9400	4	20.47	33.01	PASS
Band2	9538	4	20.32	33.01	PASS
Band4	1312	1	20.87	30.00	PASS
Band4	1413	1	20.78	30.00	PASS
Band4	1513	1	20.97	30.00	PASS
Band4	1312	2	20.40	30.00	PASS
Band4	1413	2	20.28	30.00	PASS
Band4	1513	2	20.48	30.00	PASS
Band4	1312	3	19.46	30.00	PASS
Band4	1413	3	19.31	30.00	PASS
Band4	1513	3	19.48	30.00	PASS
Band4	1312	4	19.21	30.00	PASS
Band4	1413	4	19.08	30.00	PASS
Band4	1513	4	19.27	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	18.73	33.01	PASS
Band2	9400	1	18.99	33.01	PASS
Band2	9538	1	18.85	33.01	PASS
Band2	9262	2	18.74	33.01	PASS
Band2	9400	2	18.97	33.01	PASS
Band2	9538	2	18.88	33.01	PASS
Band2	9262	3	19.76	33.01	PASS
Band2	9400	3	19.98	33.01	PASS
Band2	9538	3	19.87	33.01	PASS
Band2	9262	4	18.21	33.01	PASS
Band2	9400	4	18.52	33.01	PASS
Band2	9538	4	18.38	33.01	PASS
Band2	9262	5	19.81	33.01	PASS
Band2	9400	5	20.02	33.01	PASS
Band2	9538	5	19.84	33.01	PASS
Band4	1312	1	18.62	30.00	PASS
Band4	1413	1	19.01	30.00	PASS
Band4	1513	1	19.17	30.00	PASS
Band4	1312	2	18.83	30.00	PASS
Band4	1413	2	18.72	30.00	PASS
Band4	1513	2	18.90	30.00	PASS
Band4	1312	3	19.87	30.00	PASS
Band4	1413	3	19.73	30.00	PASS
Band4	1513	3	19.88	30.00	PASS
Band4	1312	4	18.36	30.00	PASS
Band4	1413	4	18.25	30.00	PASS
Band4	1513	4	18.40	30.00	PASS
Band4	1312	5	19.91	30.00	PASS
Band4	1413	5	19.68	30.00	PASS
Band4	1513	5	19.87	30.00	PASS

AppendixB:Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.96	13	PASS
Band2	9400	2.90	13	PASS
Band2	9538	2.81	13	PASS
Band4	1312	2.99	13	PASS
Band4	1413	3.07	13	PASS
Band4	1513	3.04	13	PASS
Band5	4132	3.16	13	PASS
Band5	4182	3.16	13	PASS
Band5	4233	3.16	13	PASS

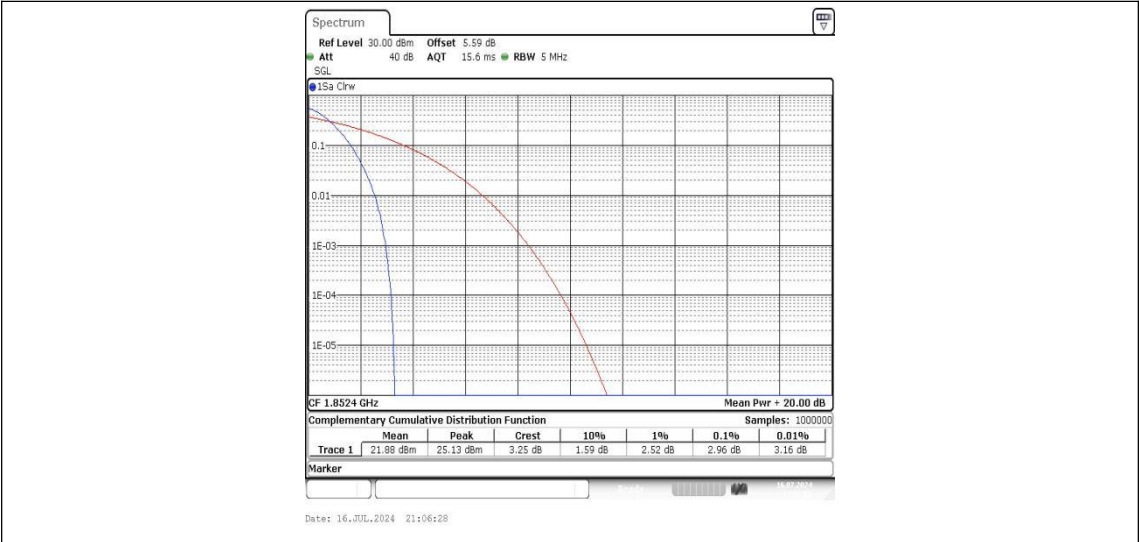
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Band2	9262	1	3.13	13	PASS
Band2	9400	1	3.10	13	PASS
Band2	9538	1	3.01	13	PASS
Band2	9262	2	3.36	13	PASS
Band2	9400	2	3.36	13	PASS
Band2	9538	2	3.28	13	PASS
Band2	9262	3	3.51	13	PASS
Band2	9400	3	3.54	13	PASS
Band2	9538	3	3.45	13	PASS
Band2	9262	4	3.57	13	PASS
Band2	9400	4	3.59	13	PASS
Band2	9538	4	3.51	13	PASS
Band4	1312	1	3.10	13	PASS
Band4	1413	1	3.13	13	PASS
Band4	1513	1	3.13	13	PASS
Band4	1312	2	3.30	13	PASS
Band4	1413	2	3.30	13	PASS
Band4	1513	2	3.33	13	PASS
Band4	1312	3	3.45	13	PASS
Band4	1413	3	3.51	13	PASS
Band4	1513	3	3.51	13	PASS
Band4	1312	4	3.51	13	PASS
Band4	1413	4	3.54	13	PASS
Band4	1513	4	3.57	13	PASS
Band5	4132	1	3.25	13	PASS

Band5	4182	1	3.25	13	PASS
Band5	4233	1	3.25	13	PASS
Band5	4132	2	3.42	13	PASS
Band5	4182	2	3.45	13	PASS
Band5	4233	2	3.45	13	PASS
Band5	4132	3	3.59	13	PASS
Band5	4182	3	3.65	13	PASS
Band5	4233	3	3.62	13	PASS
Band5	4132	4	3.62	13	PASS
Band5	4182	4	3.68	13	PASS
Band5	4233	4	3.68	13	PASS

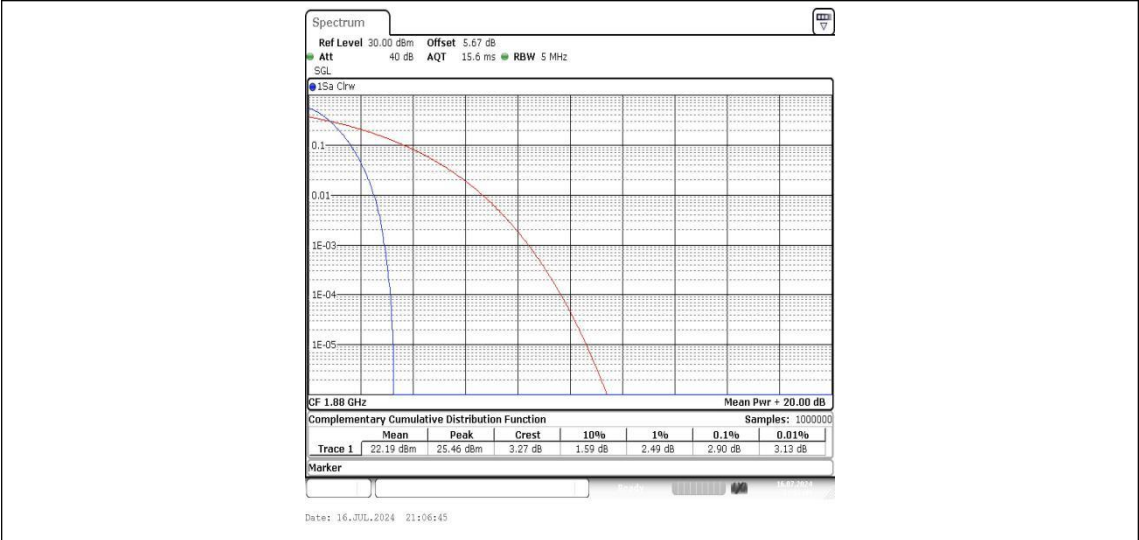
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Band2	9262	1	4.49	13	PASS
Band2	9400	1	4.43	13	PASS
Band2	9538	1	4.38	13	PASS
Band2	9262	2	5.45	13	PASS
Band2	9400	2	5.42	13	PASS
Band2	9538	2	5.36	13	PASS
Band2	9262	3	5.01	13	PASS
Band2	9400	3	4.96	13	PASS
Band2	9538	3	4.90	13	PASS
Band2	9262	4	5.57	13	PASS
Band2	9400	4	5.57	13	PASS
Band2	9538	4	5.51	13	PASS
Band2	9262	5	4.20	13	PASS
Band2	9400	5	4.20	13	PASS
Band2	9538	5	4.12	13	PASS
Band4	1312	1	4.43	13	PASS
Band4	1413	1	4.46	13	PASS
Band4	1513	1	4.43	13	PASS
Band4	1312	2	5.39	13	PASS
Band4	1413	2	5.45	13	PASS
Band4	1513	2	5.42	13	PASS
Band4	1312	3	4.90	13	PASS
Band4	1413	3	5.01	13	PASS
Band4	1513	3	4.96	13	PASS
Band4	1312	4	5.54	13	PASS
Band4	1413	4	5.59	13	PASS
Band4	1513	4	5.57	13	PASS
Band4	1312	5	4.17	13	PASS
Band4	1413	5	4.23	13	PASS

Band4	1513	5	4.20	13	PASS
Band5	4132	1	4.52	13	PASS
Band5	4182	1	4.52	13	PASS
Band5	4233	1	4.49	13	PASS
Band5	4132	2	5.54	13	PASS
Band5	4182	2	5.51	13	PASS
Band5	4233	2	5.54	13	PASS
Band5	4132	3	5.16	13	PASS
Band5	4182	3	5.10	13	PASS
Band5	4233	3	5.13	13	PASS
Band5	4132	4	5.65	13	PASS
Band5	4182	4	5.59	13	PASS
Band5	4233	4	5.65	13	PASS
Band5	4132	5	4.32	13	PASS
Band5	4182	5	4.32	13	PASS
Band5	4233	5	4.29	13	PASS

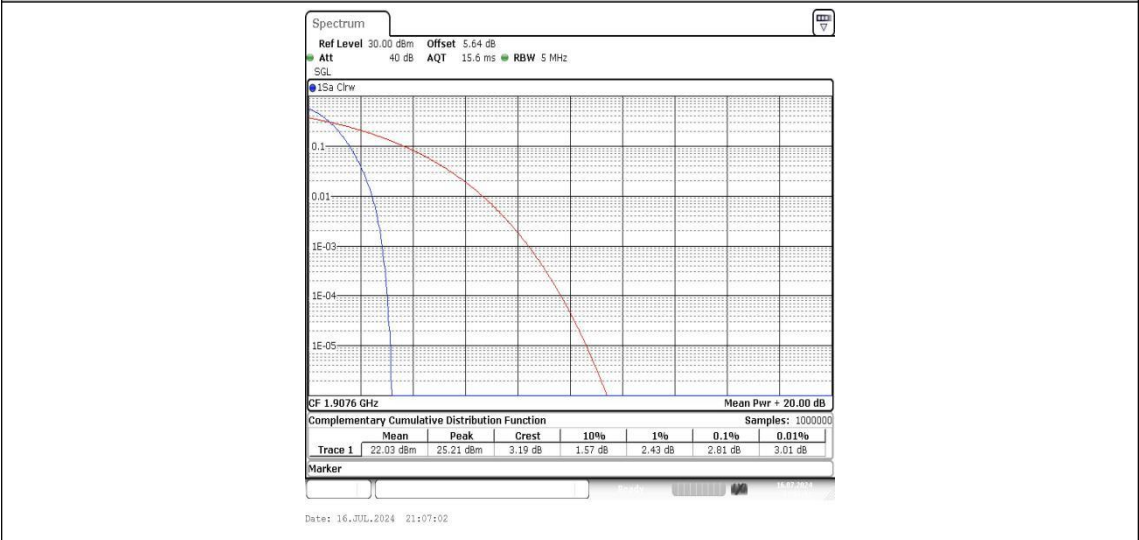
Test Graphs

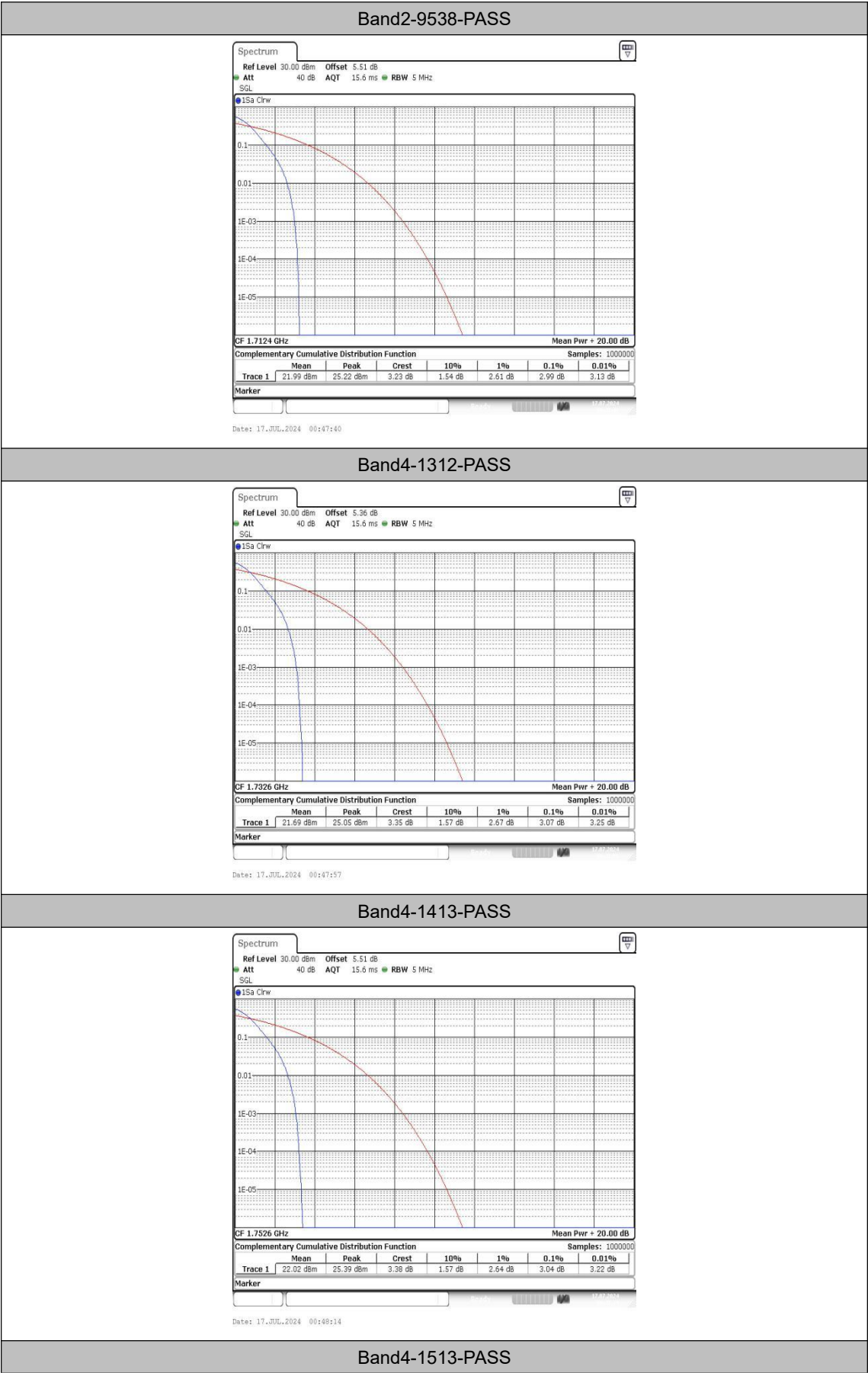


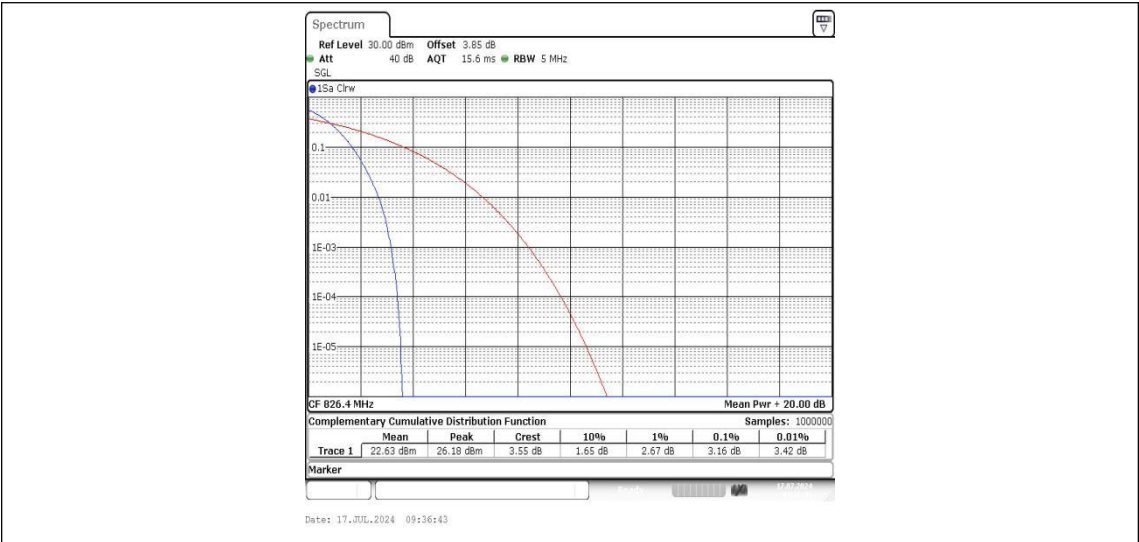
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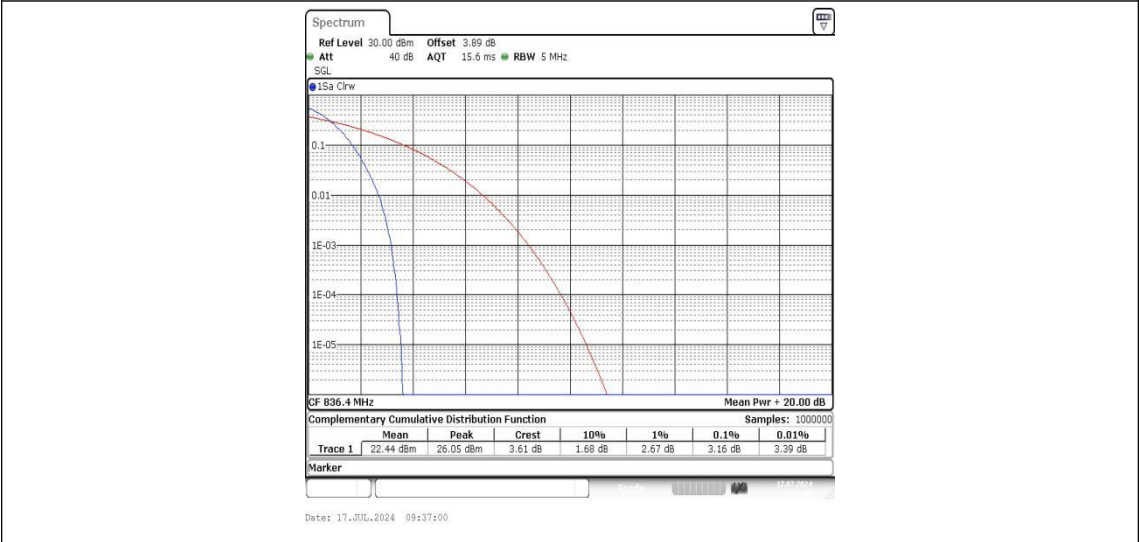
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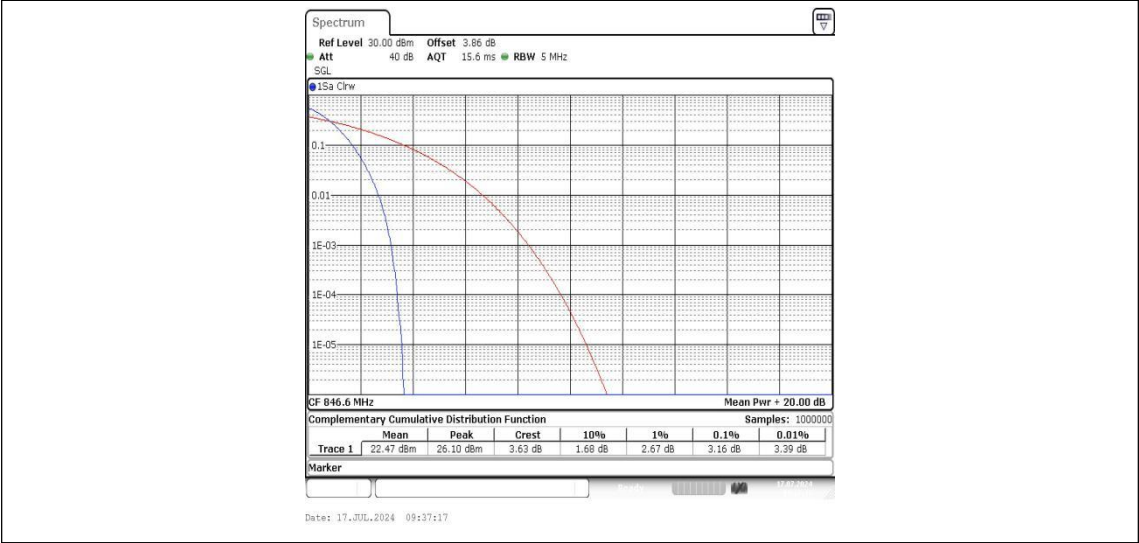




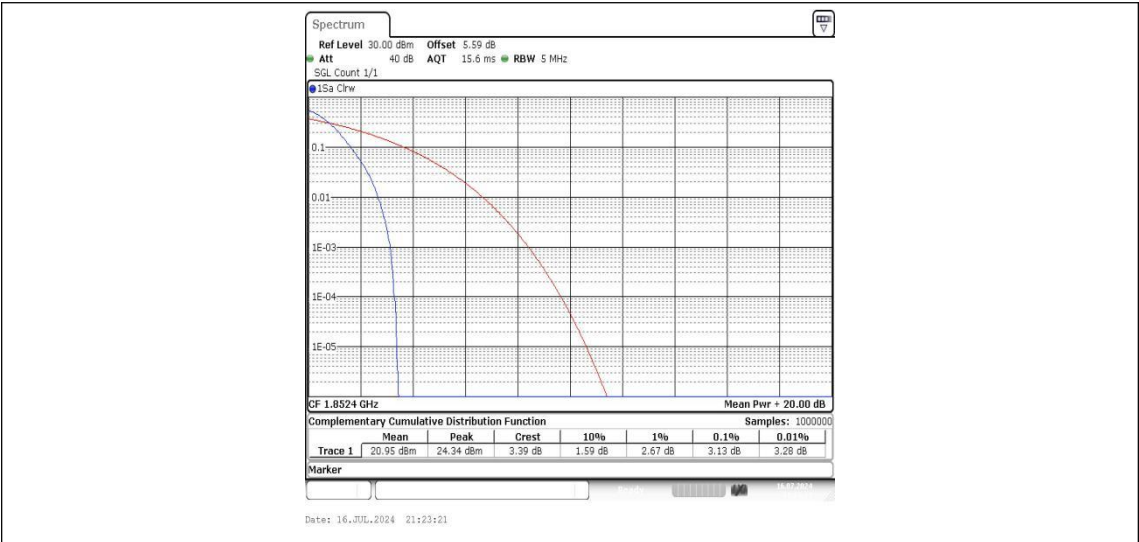
Band5-4132-PASS



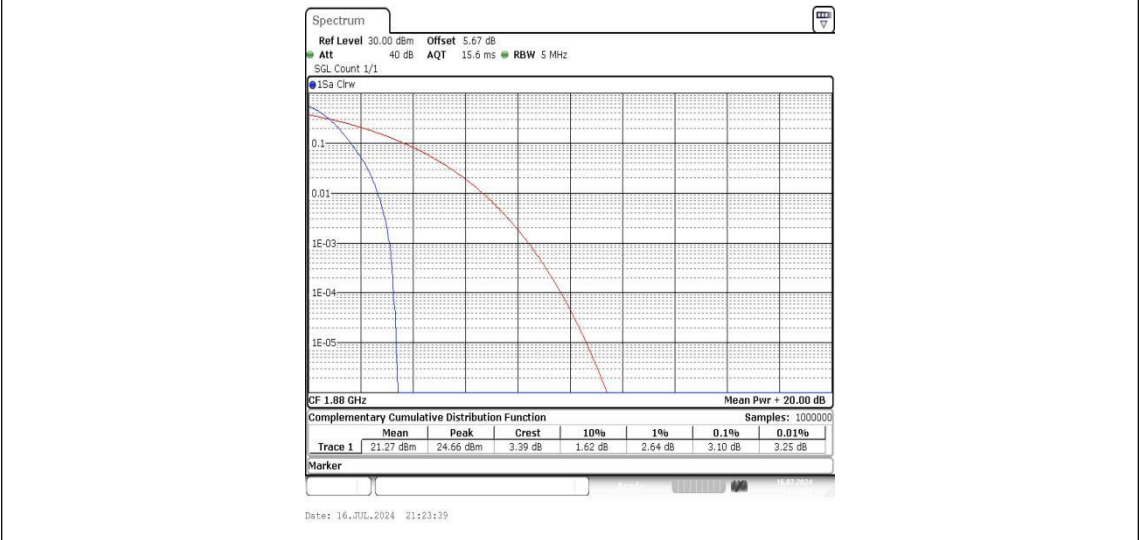
Band5-4182-PASS



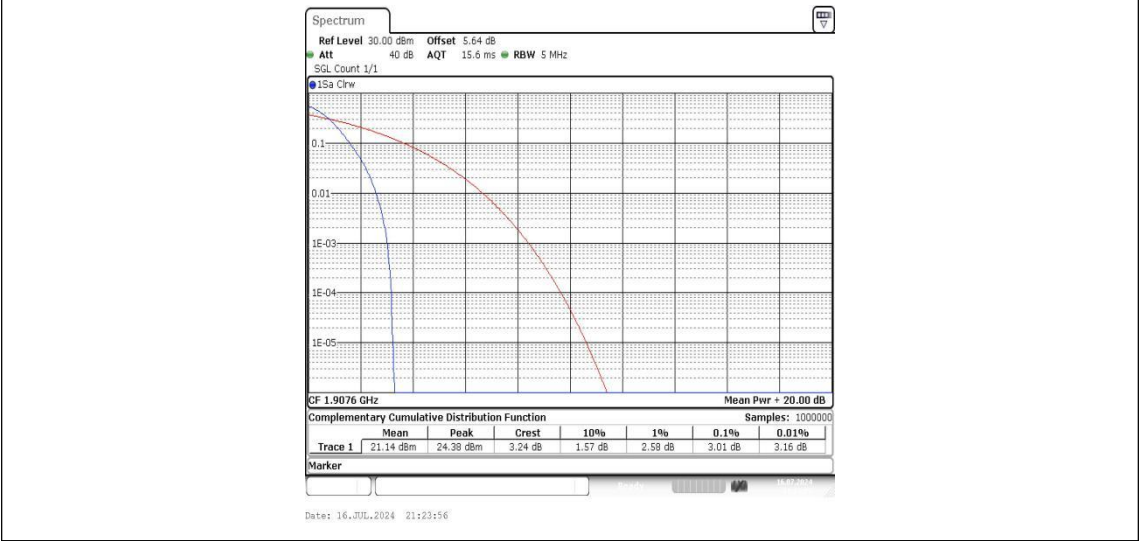
Band5-4233-PASS



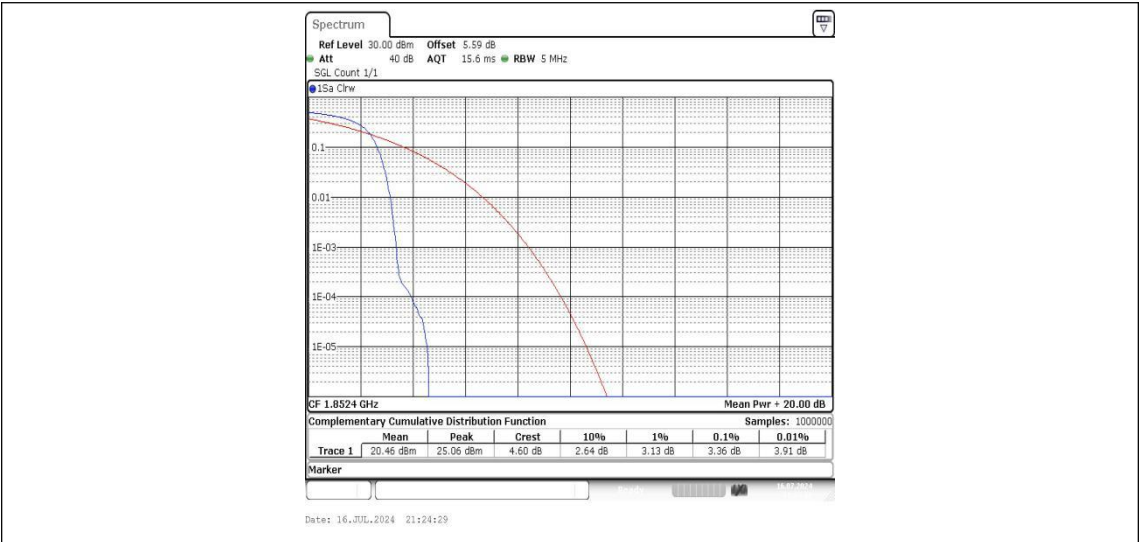
Band2-9262-1-PASS



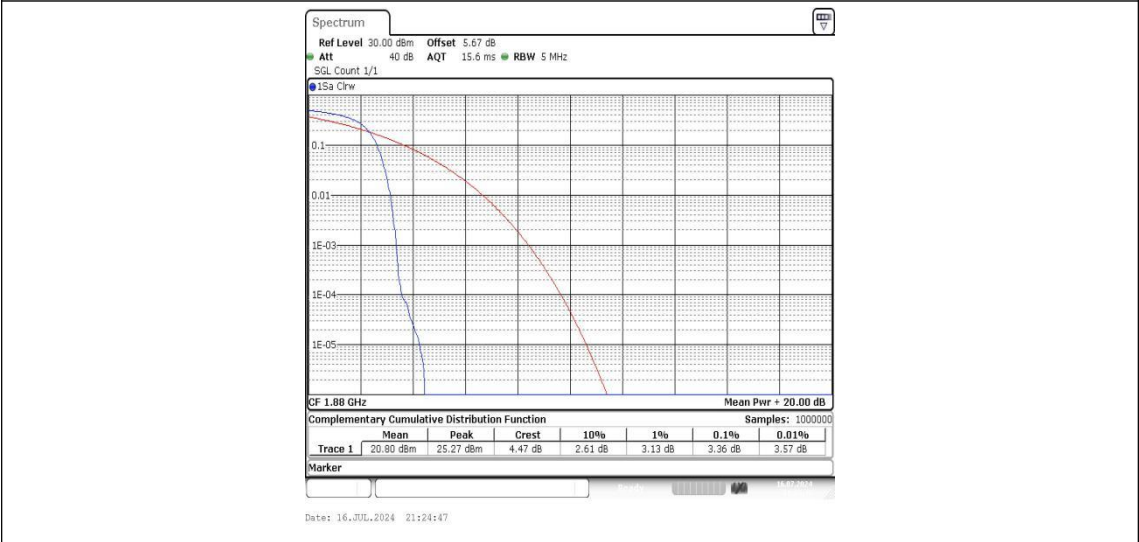
Band2-9400-1-PASS



Band2-9538-1-PASS



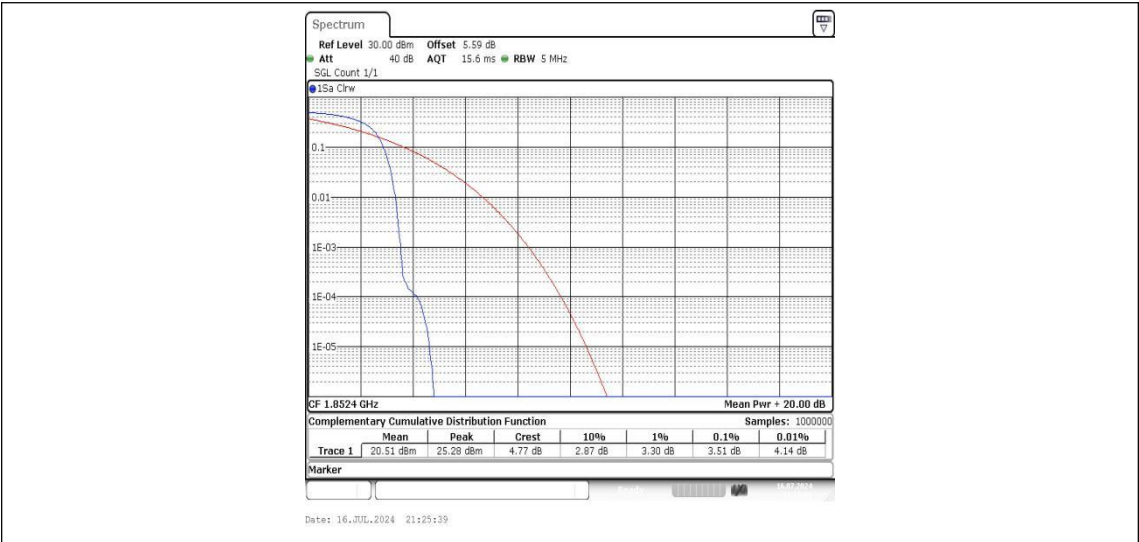
Band2-9262-2-PASS



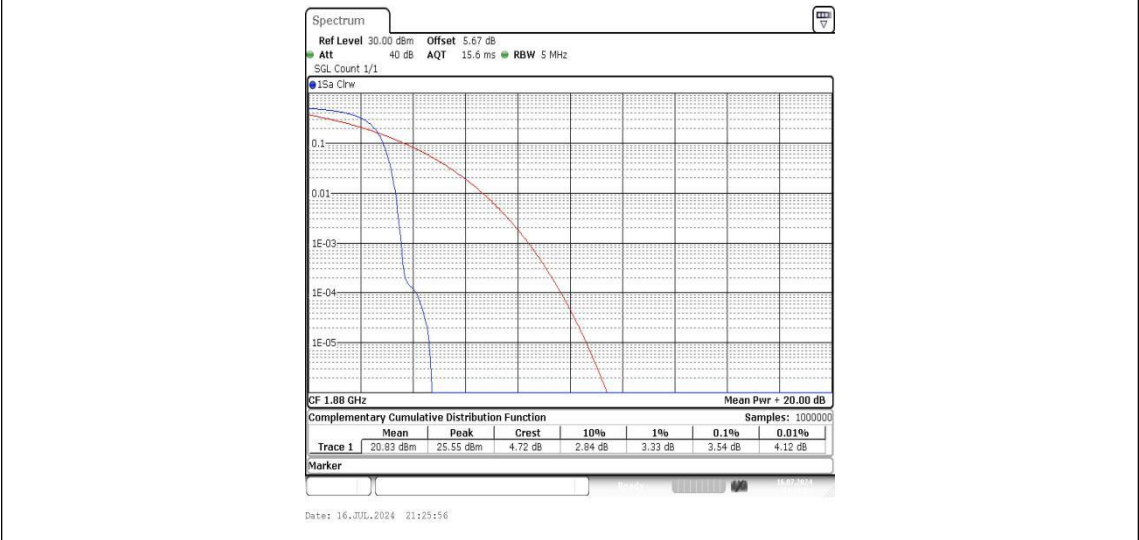
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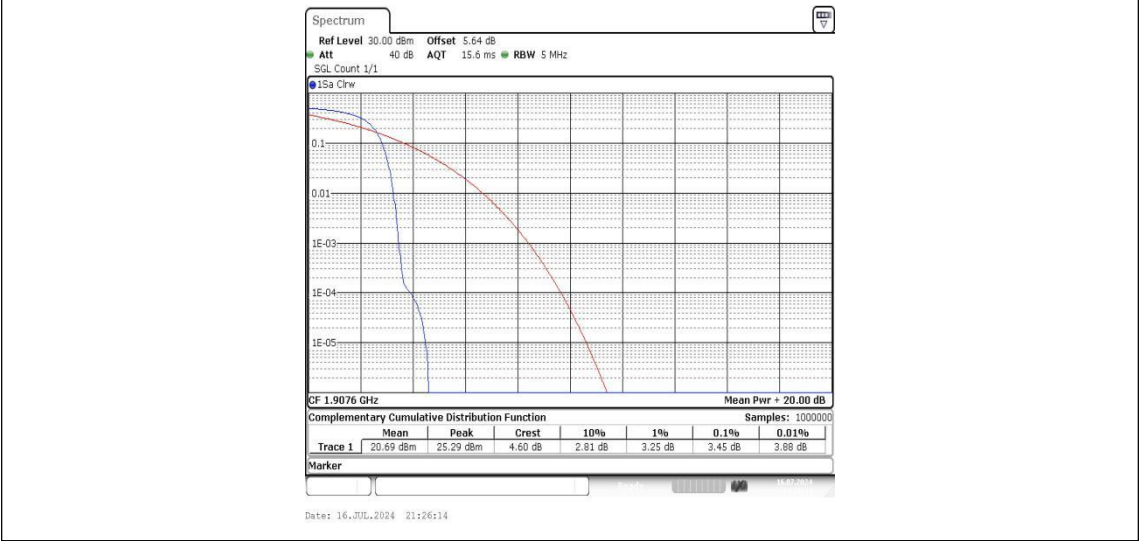
Band2-9538-2-PASS



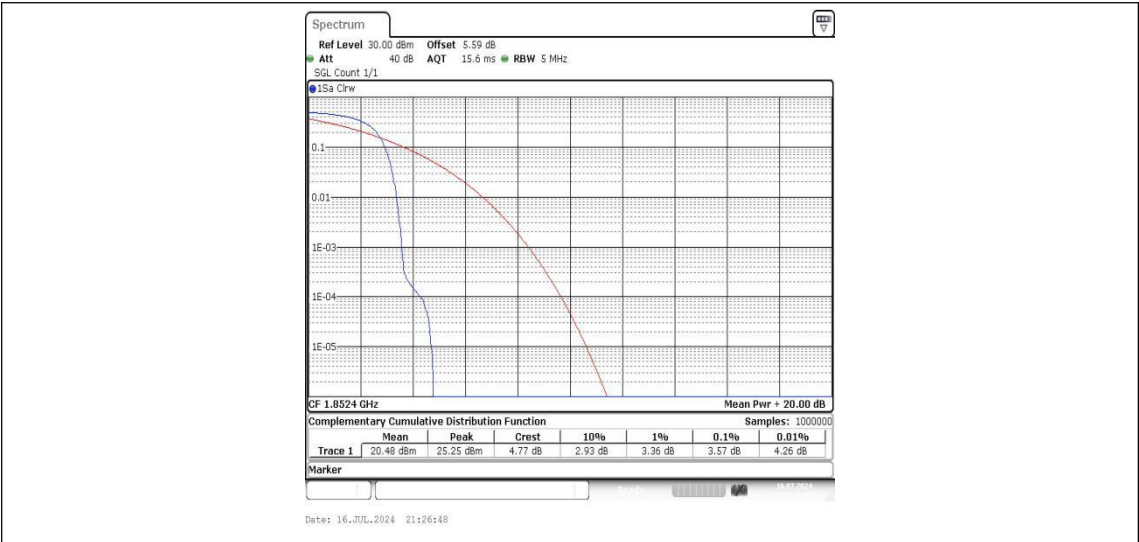
Band2-9262-3-PASS



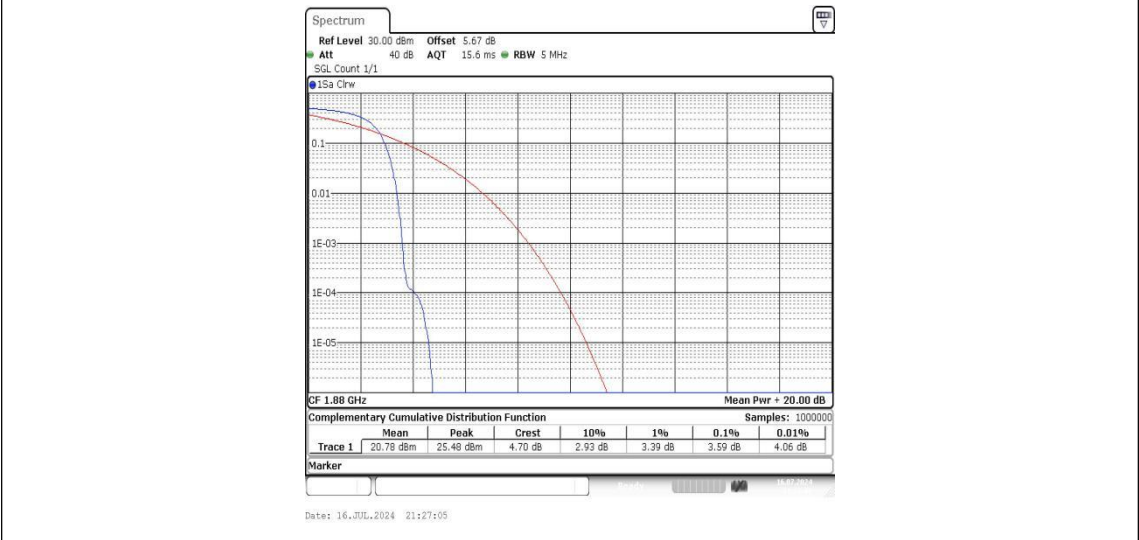
Band2-9400-3-PASS



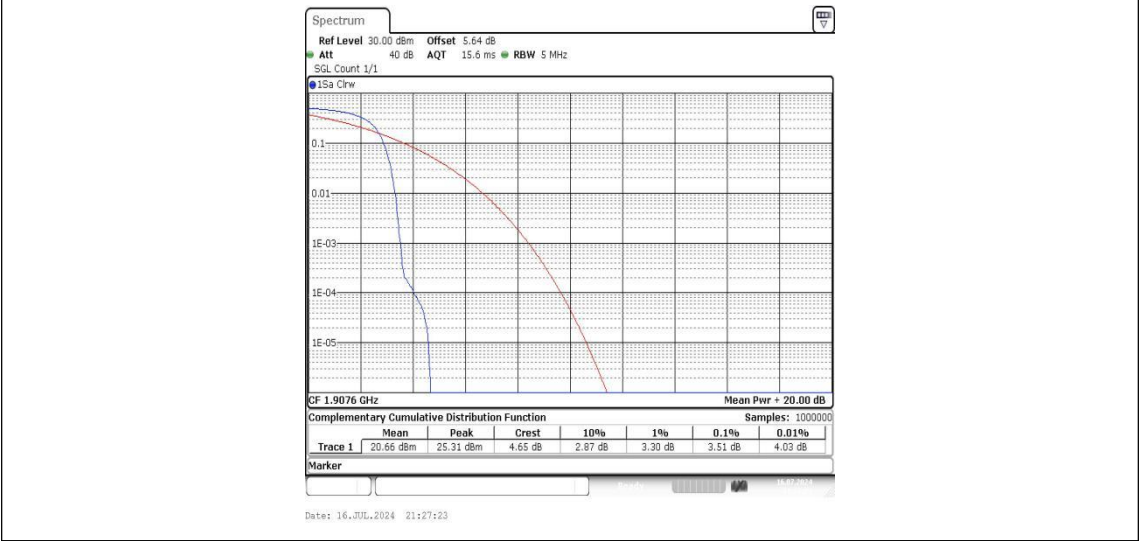
Band2-9538-3-PASS



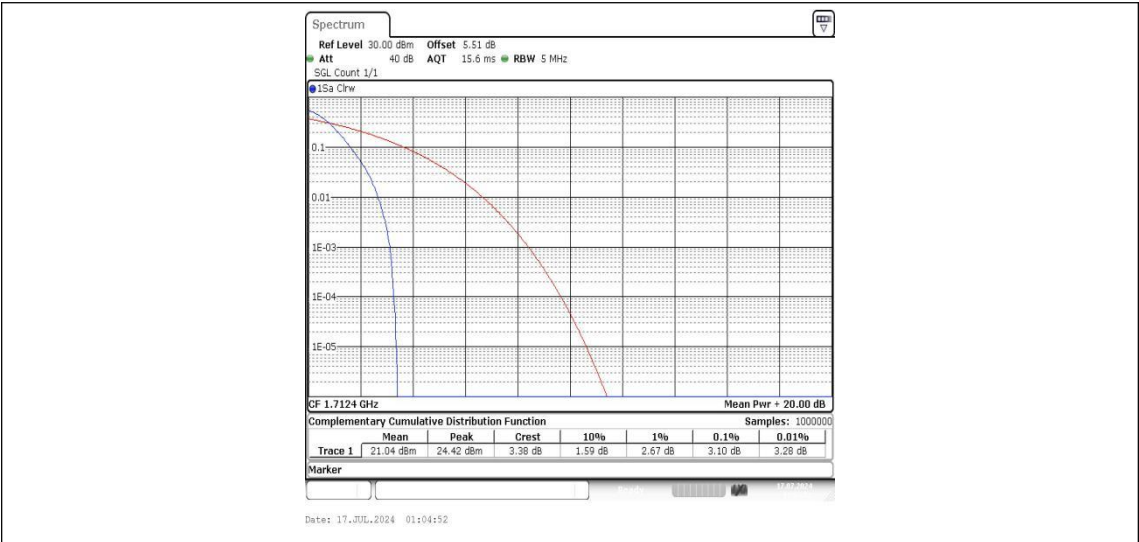
Band2-9262-4-PASS



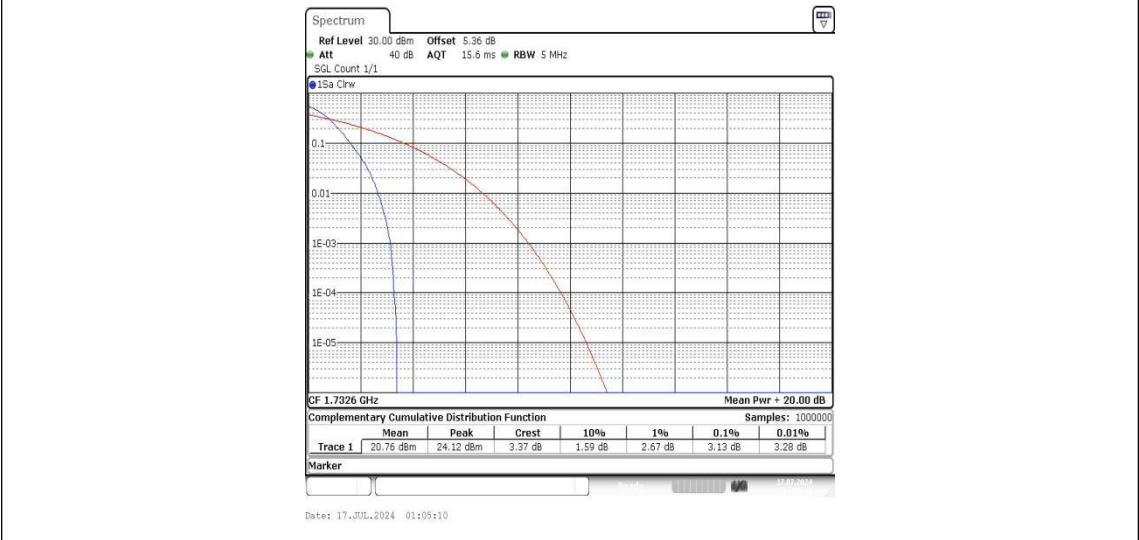
Band2-9400-4-PASS



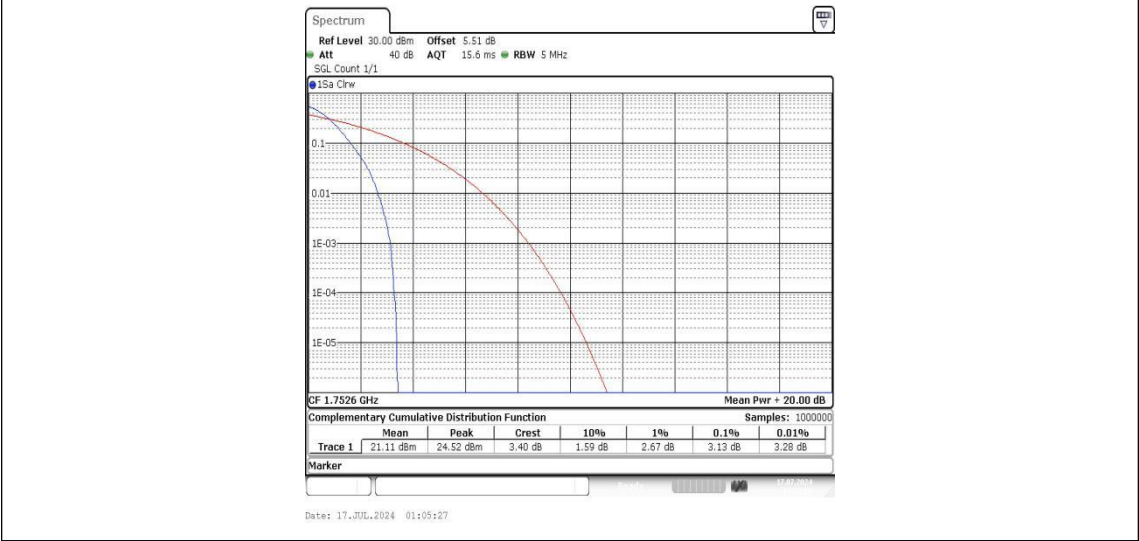
Band2-9538-4-PASS



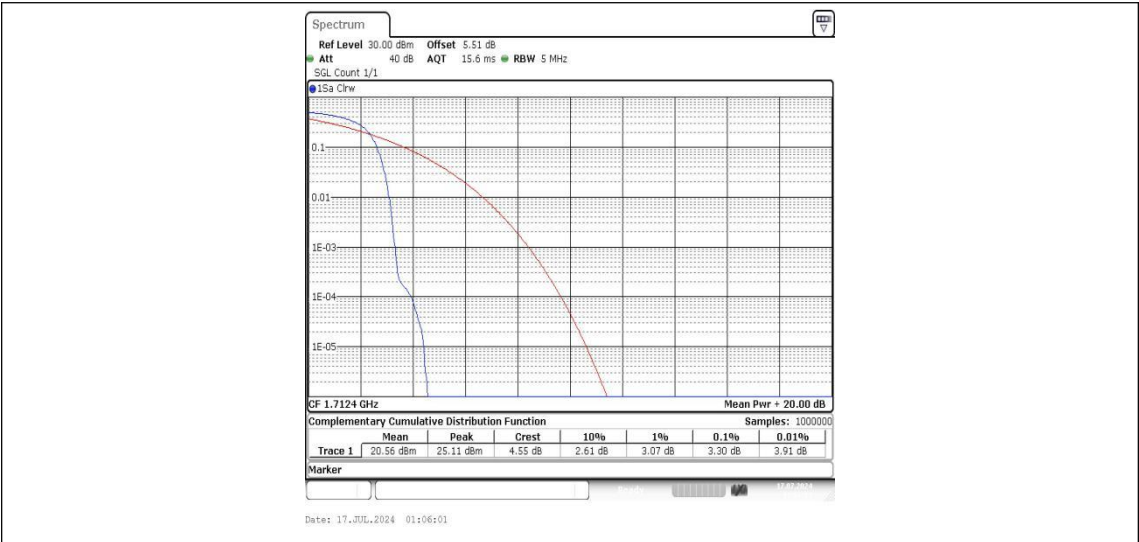
Band4-1312-1-PASS



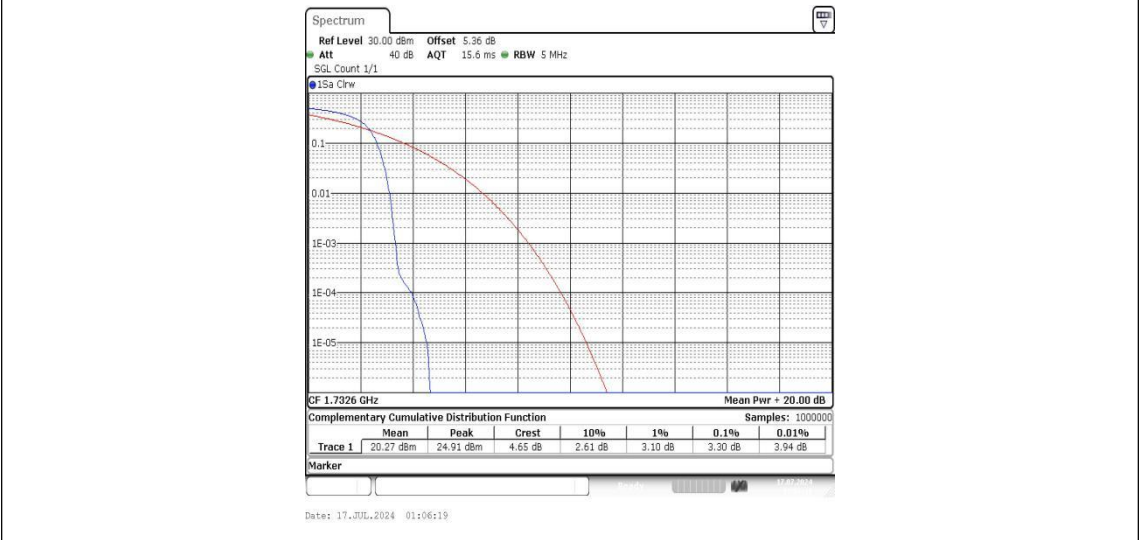
Band4-1413-1-PASS



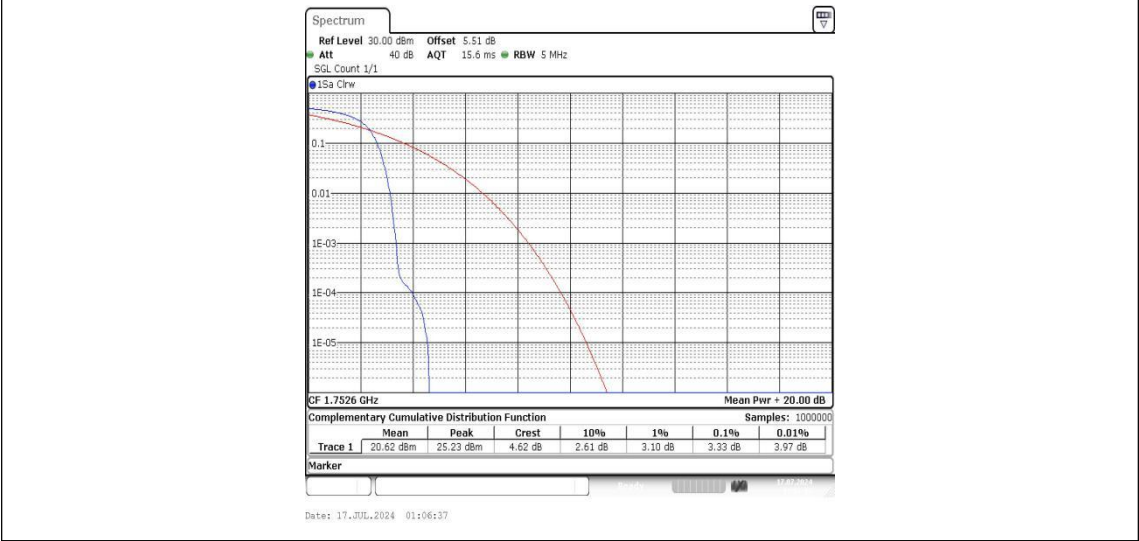
Band4-1513-1-PASS



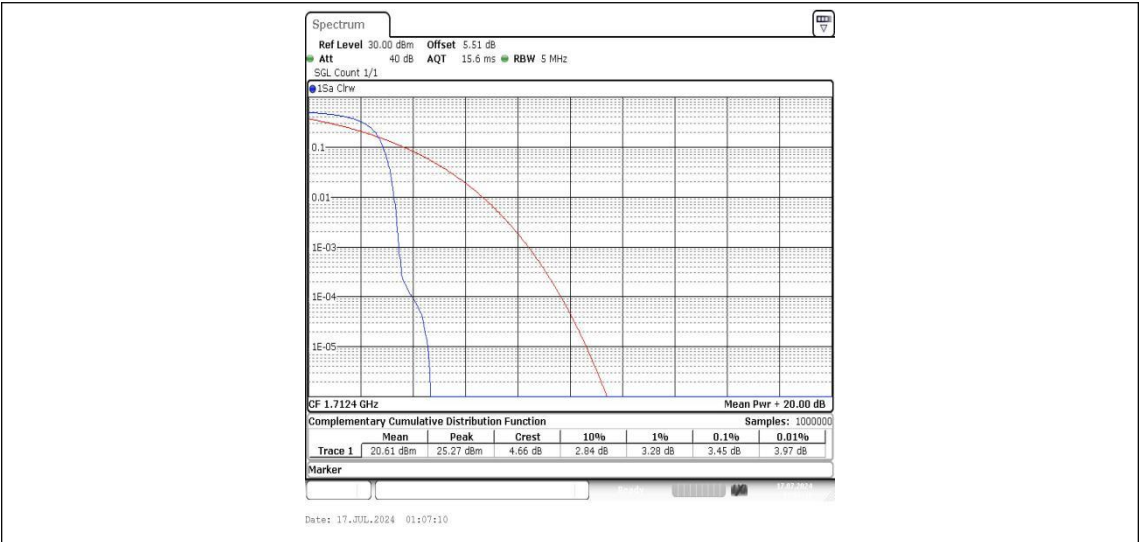
Band4-1312-2-PASS



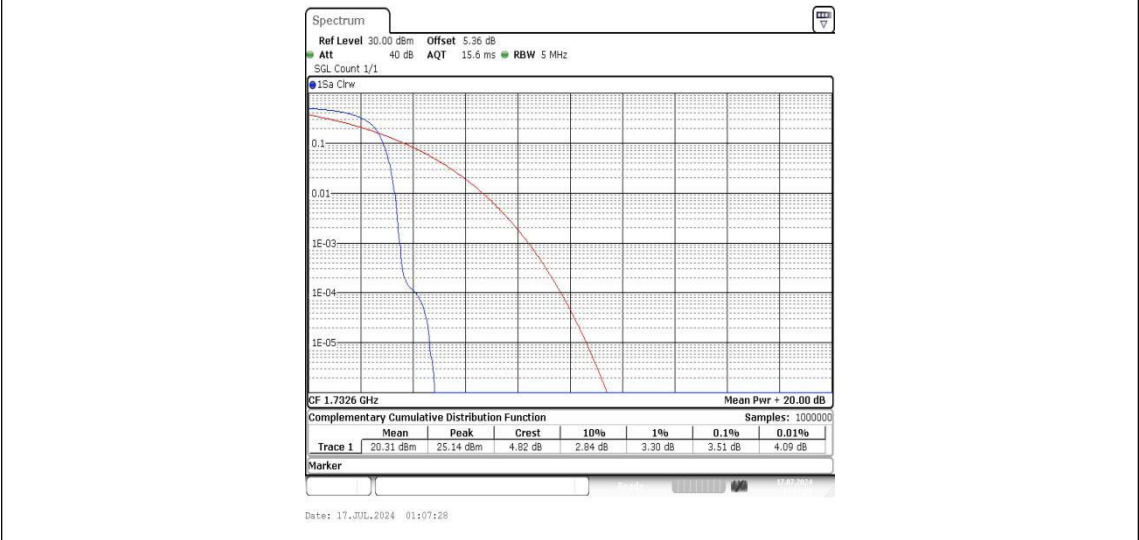
Band4-1413-2-PASS



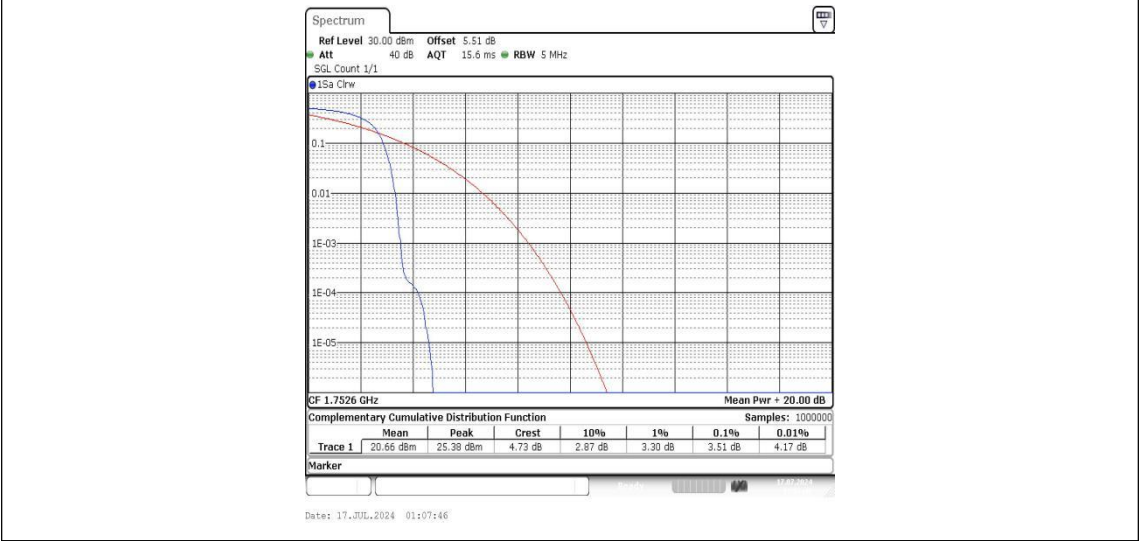
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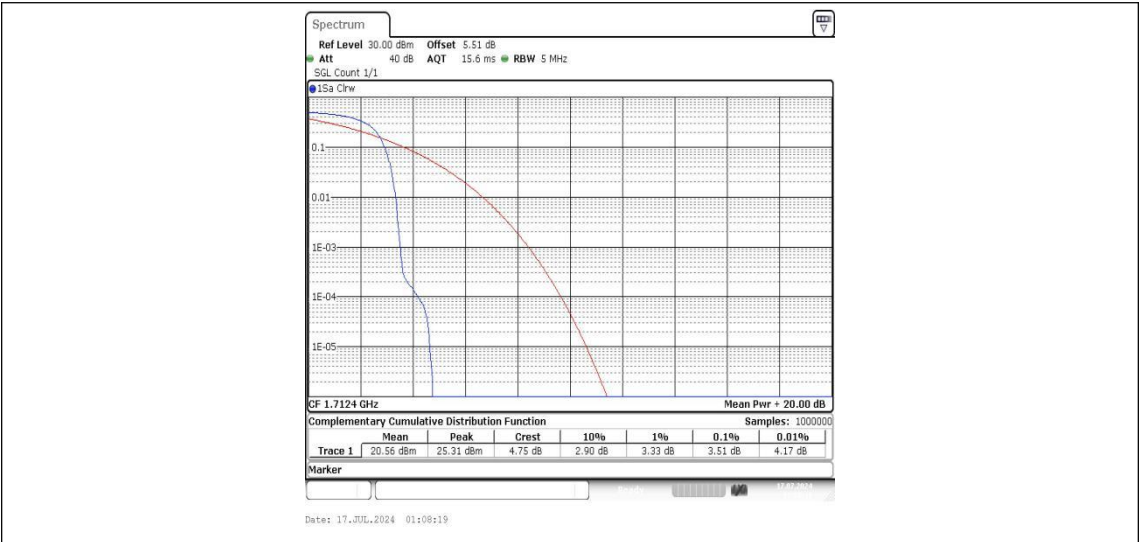
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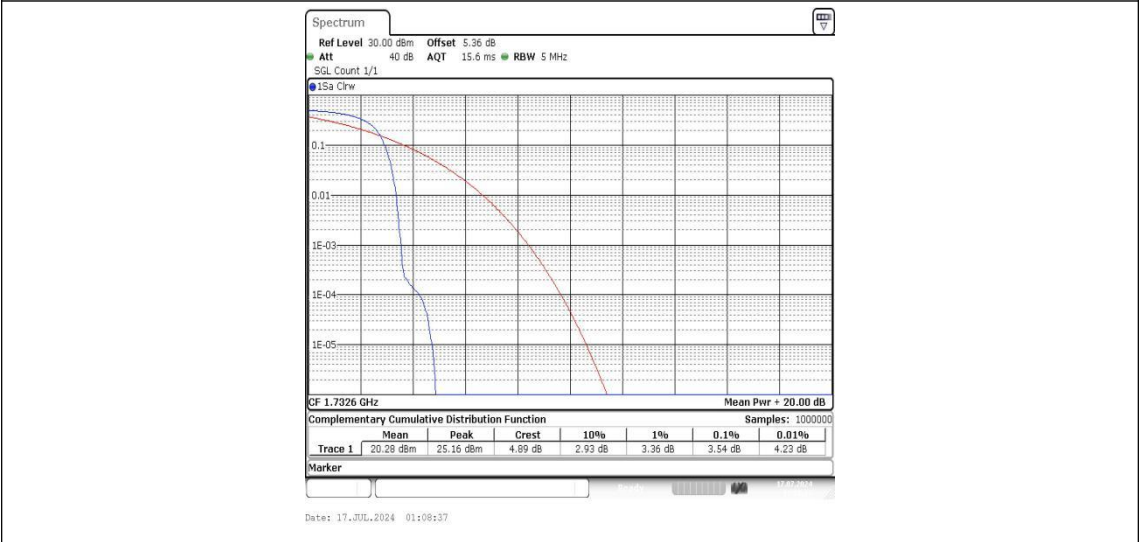
Band4-1413-3-PASS



Band4-1513-3-PASS



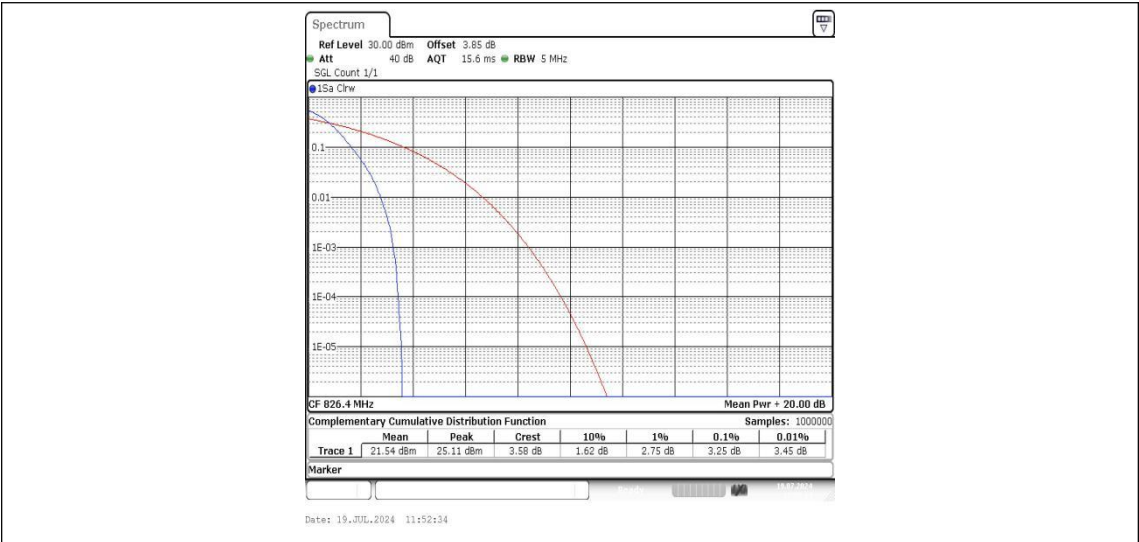
Band4-1312-4-PASS



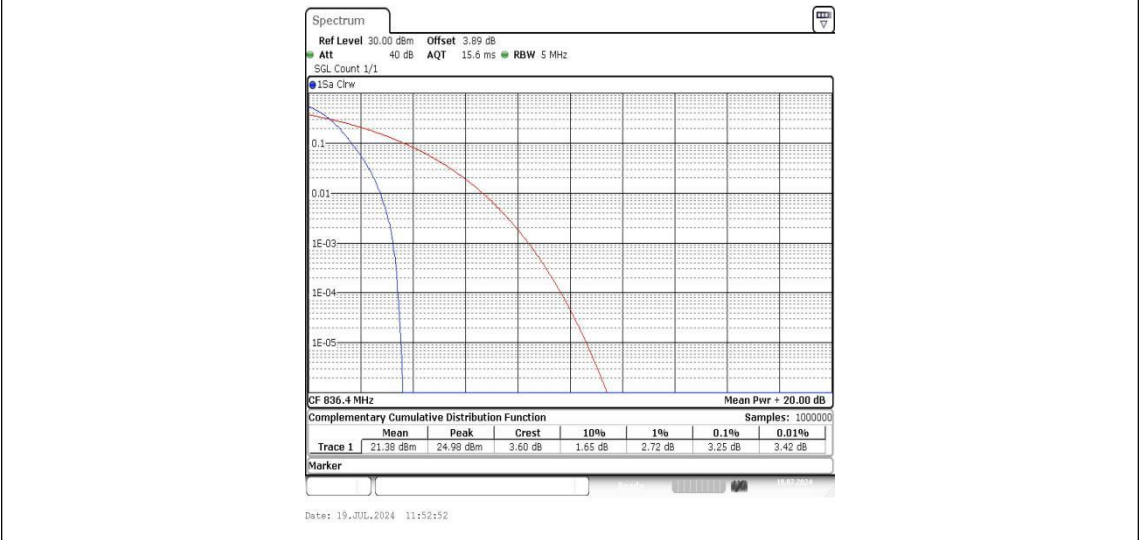
Band4-1413-4-PASS



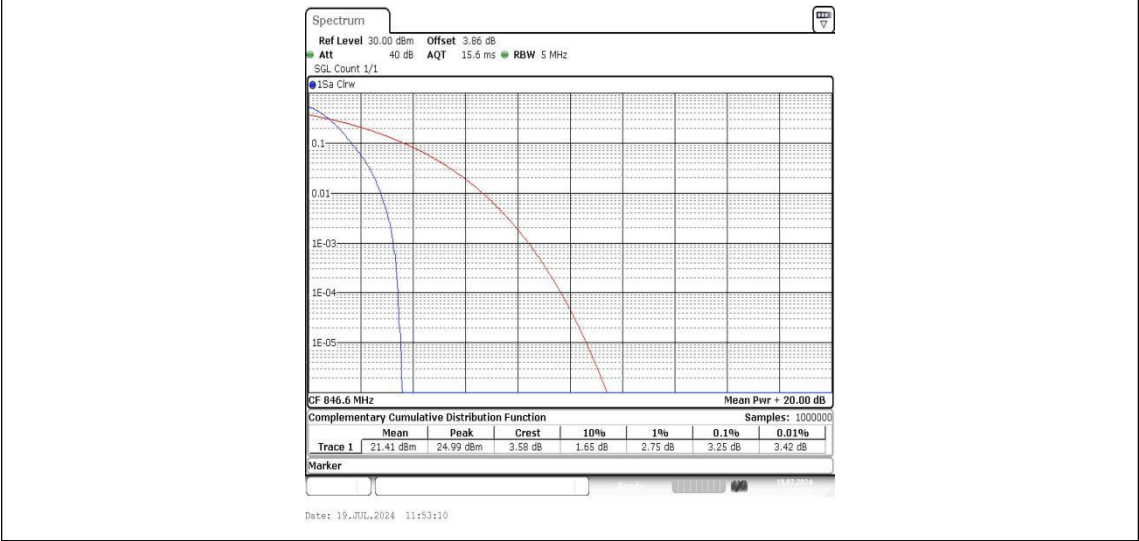
Band4-1513-4-PASS



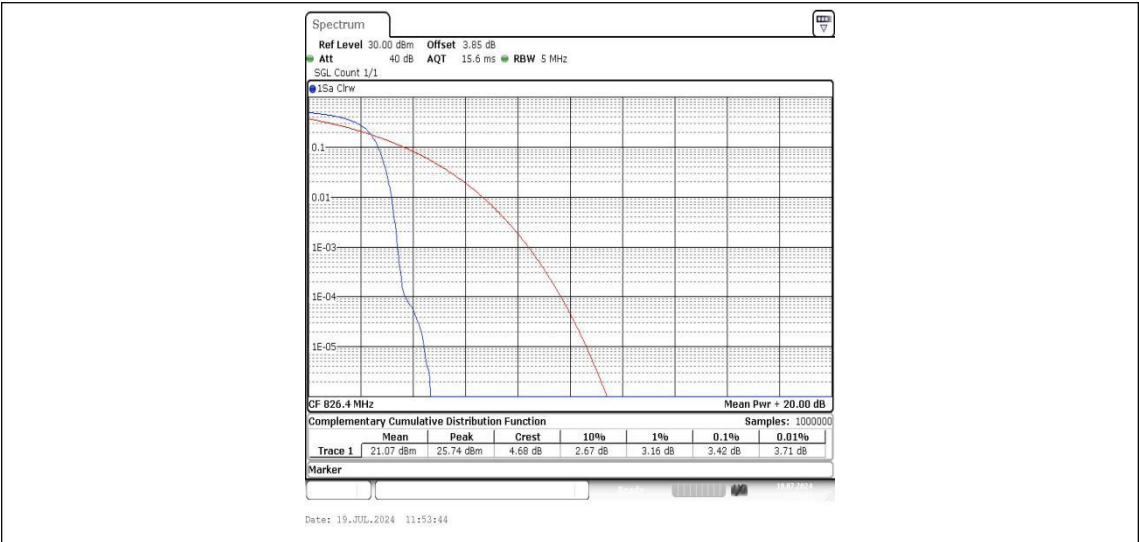
Band5-4132-1-PASS



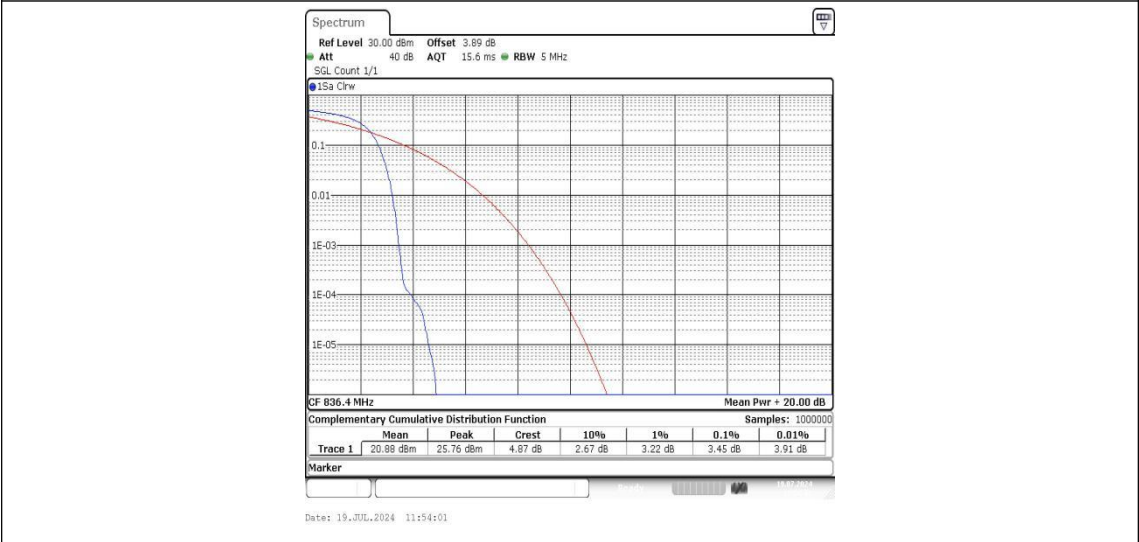
Band5-4182-1-PASS



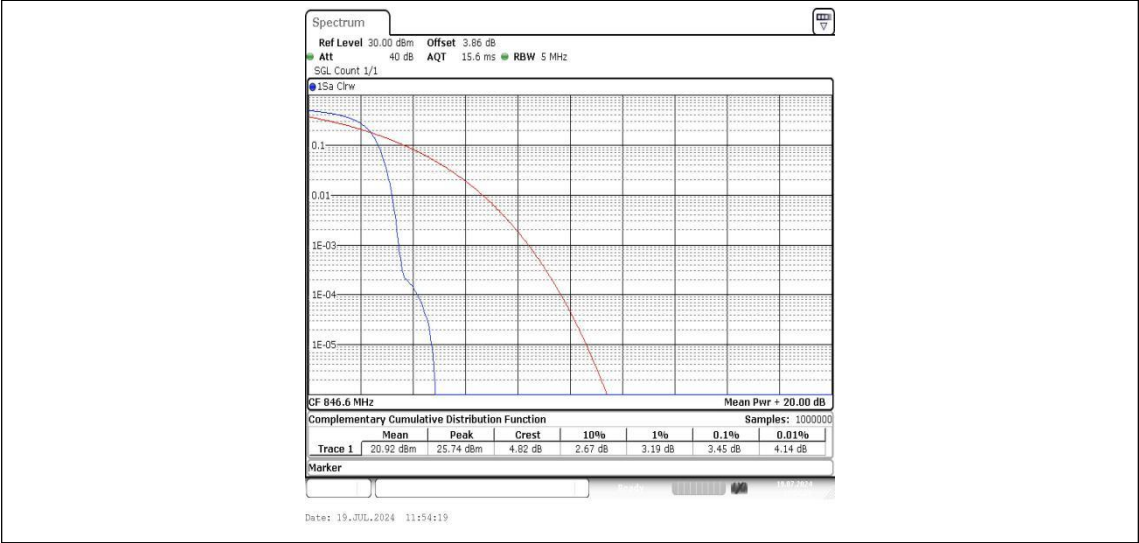
Band5-4233-1-PASS



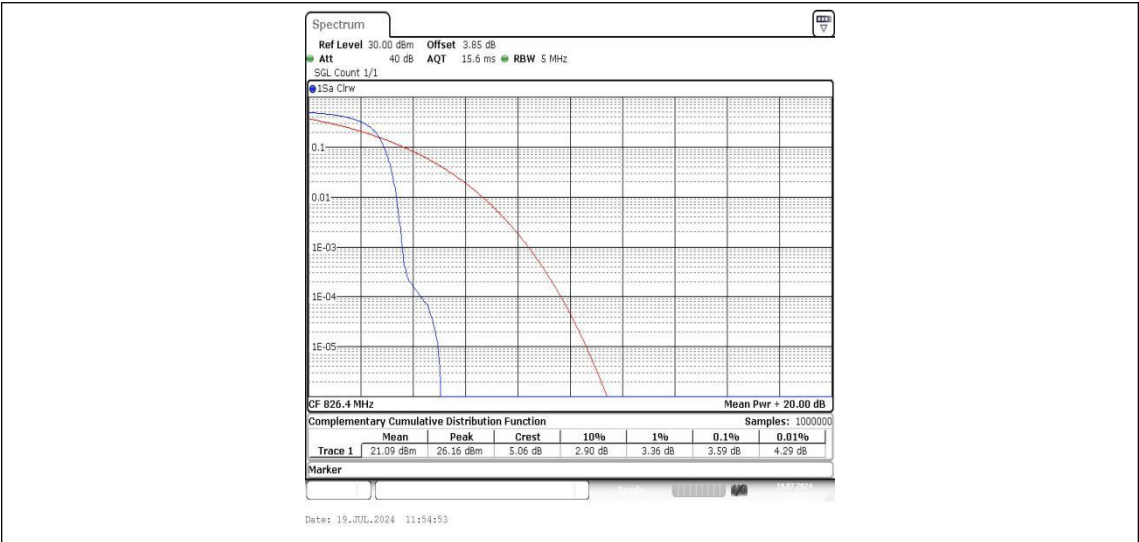
Band5-4132-2-PASS



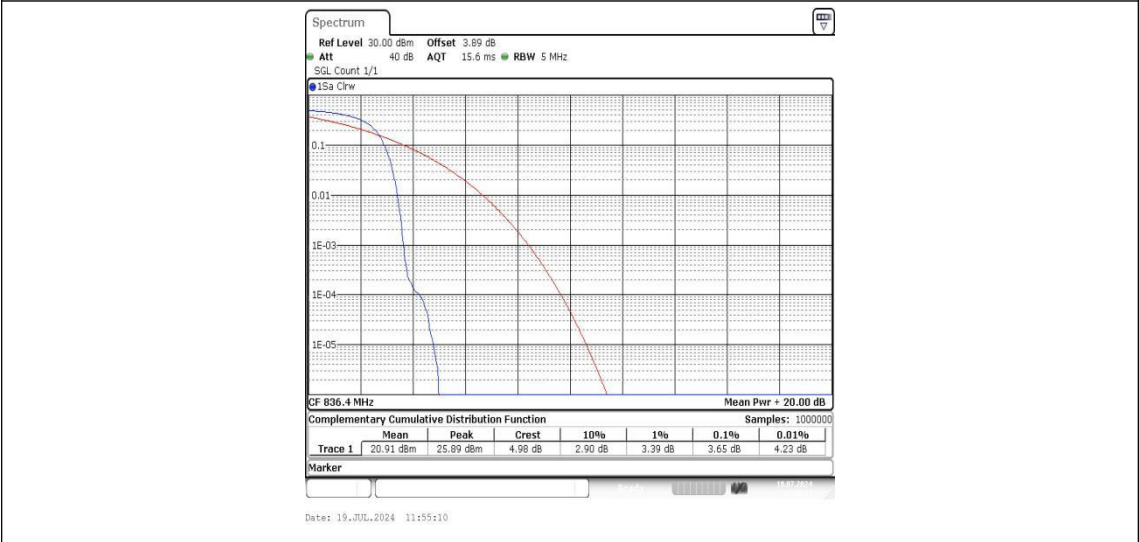
Band5-4182-2-PASS



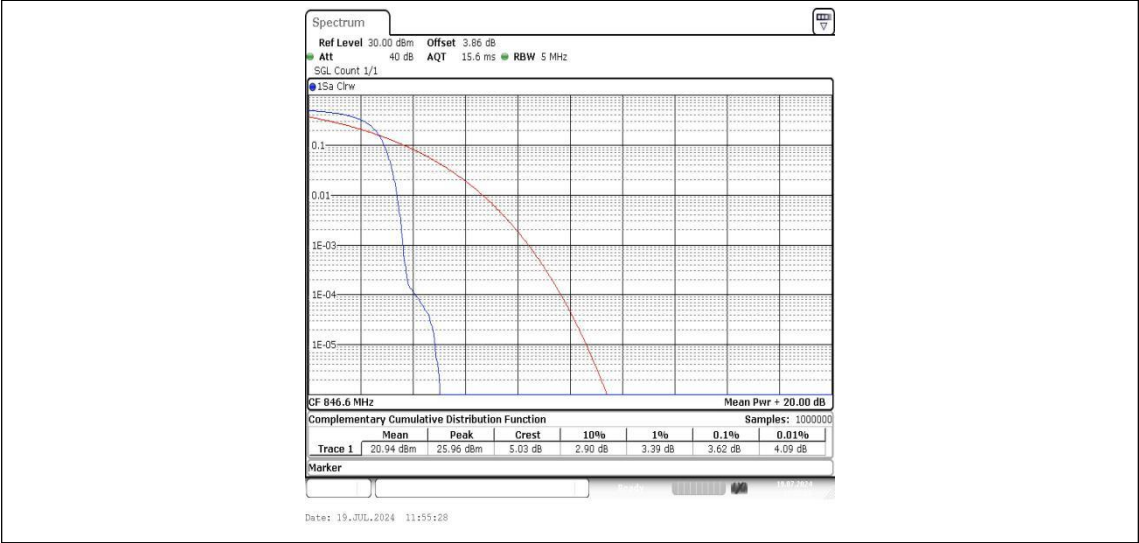
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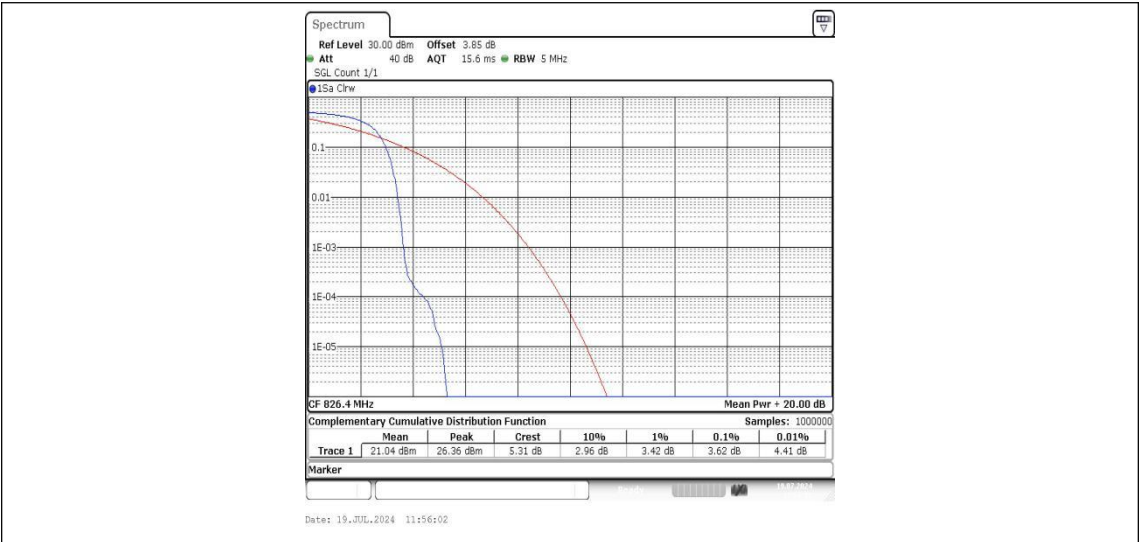
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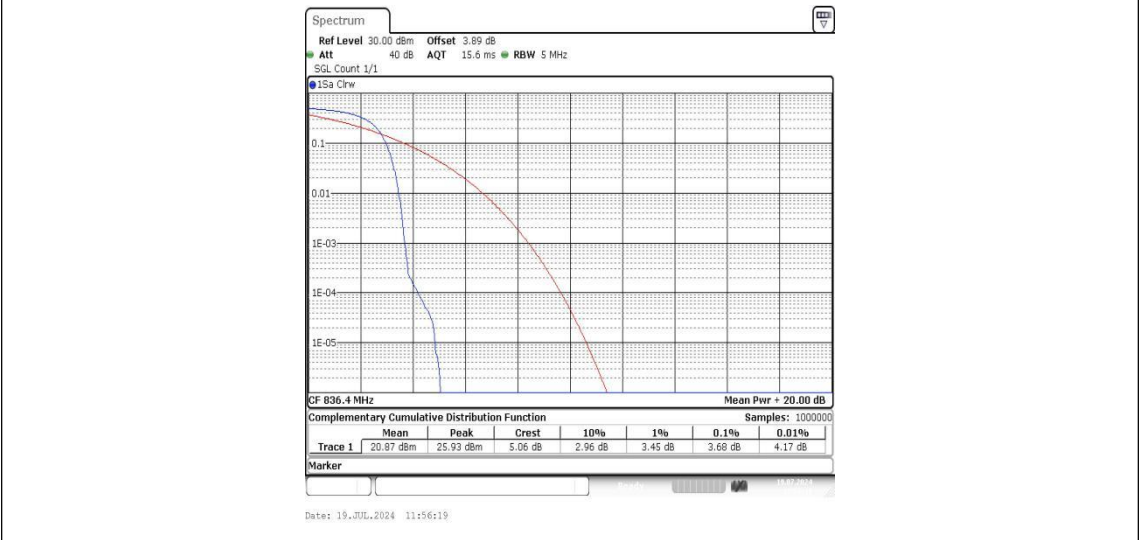
Band5-4182-3-PASS



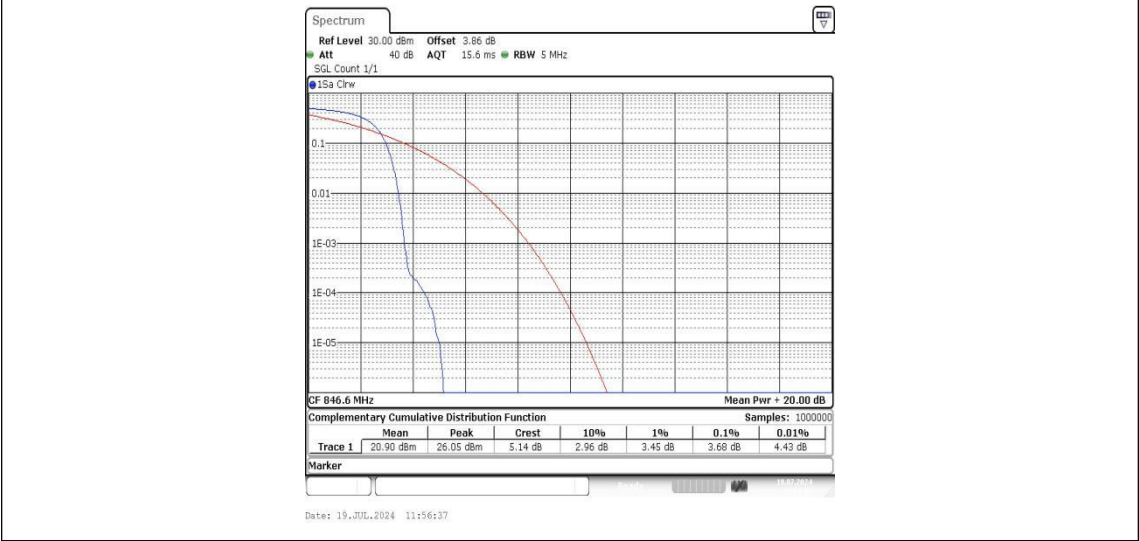
Band5-4233-3-PASS



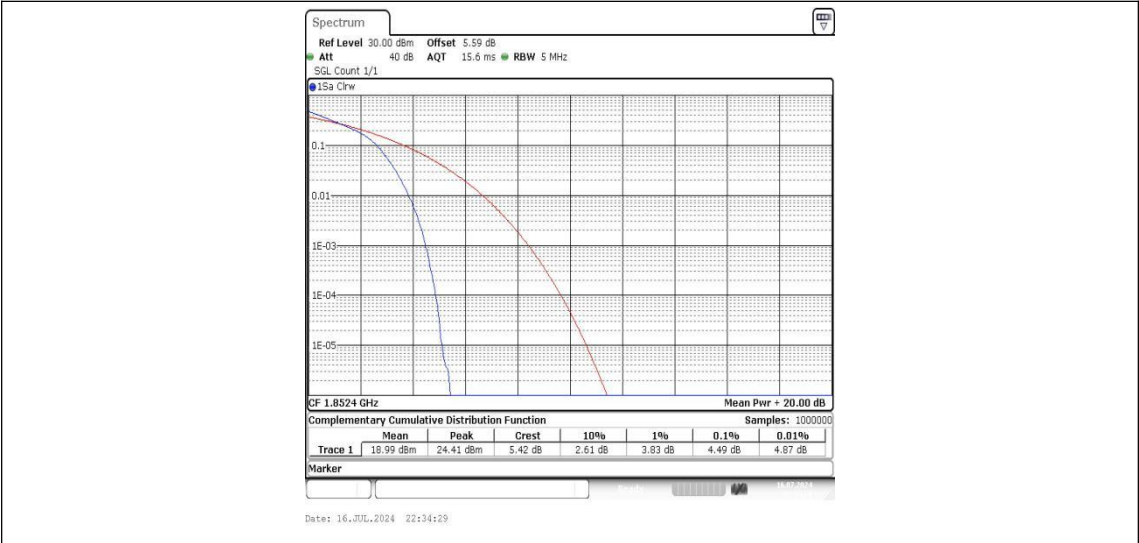
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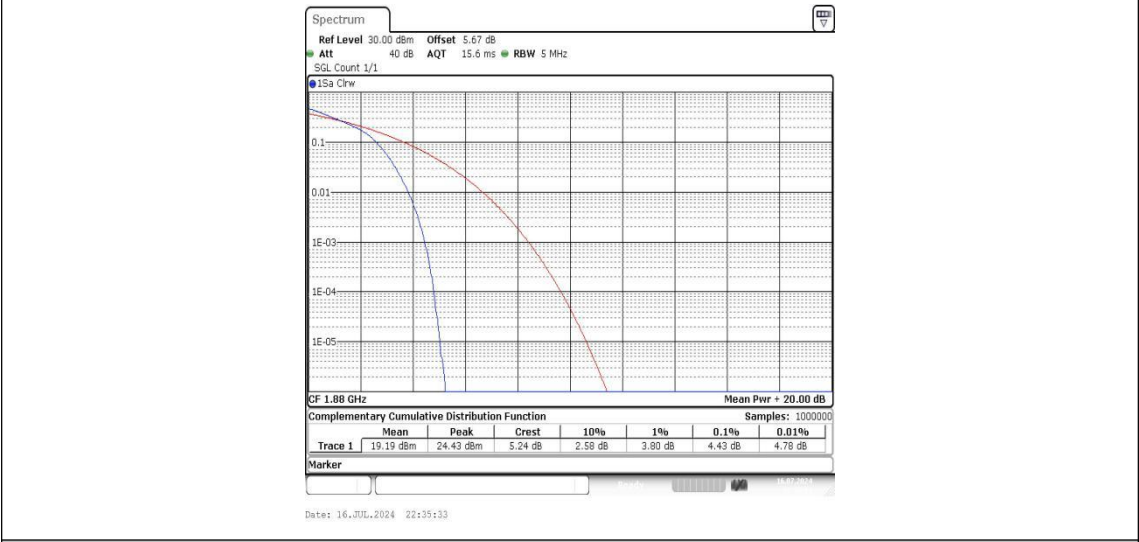
Band5-4182-4-PASS



Band5-4233-4-PASS



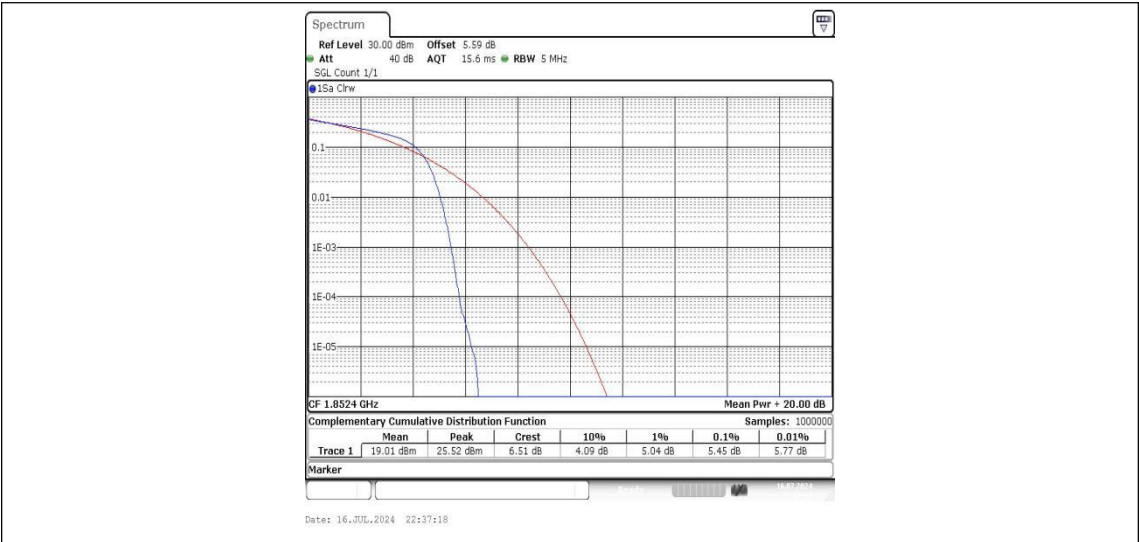
Band2-9262-1-PASS



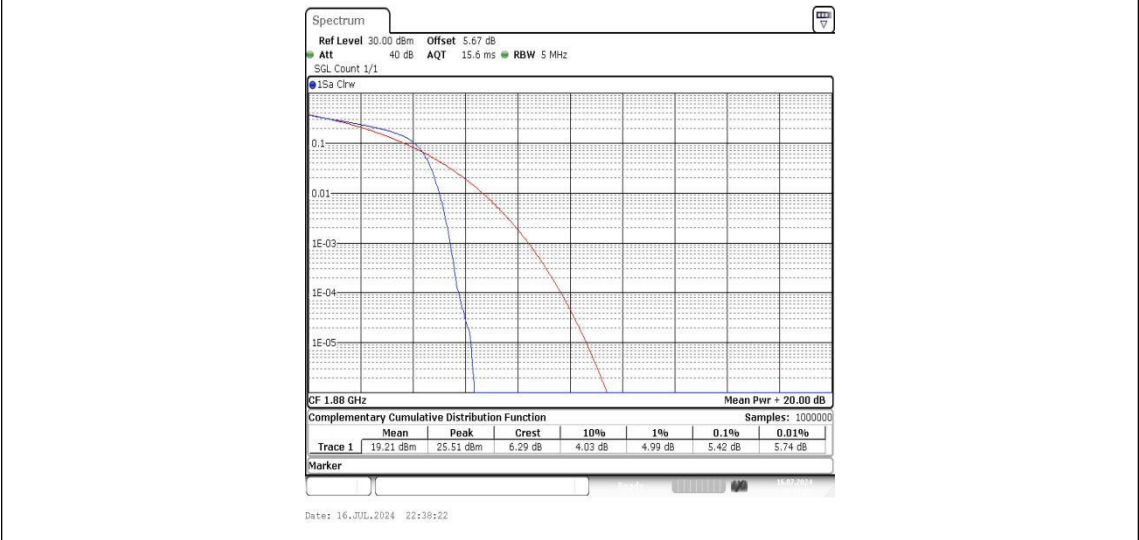
Band2-9400-1-PASS



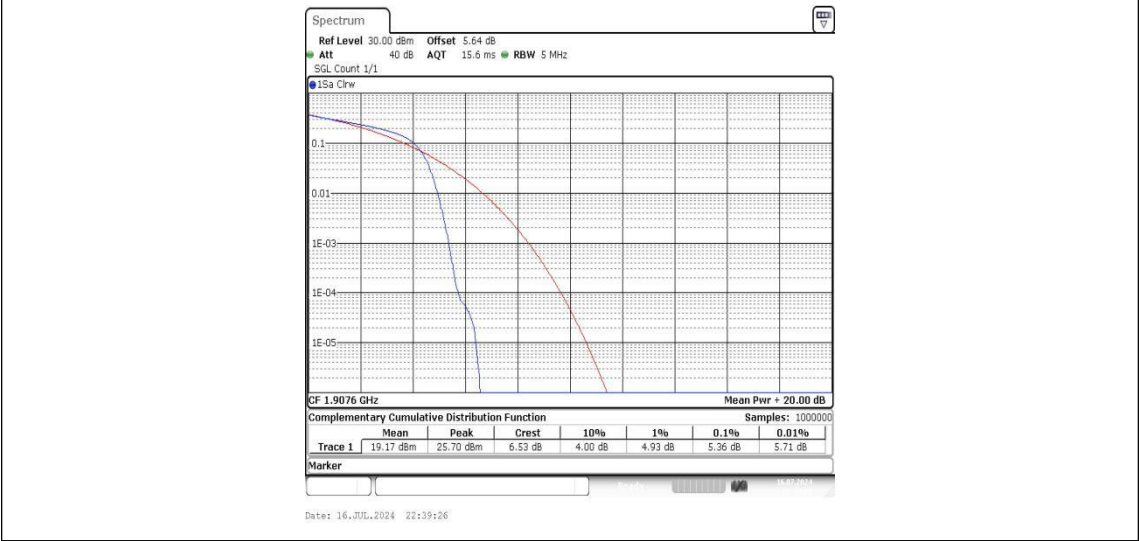
Band2-9538-1-PASS



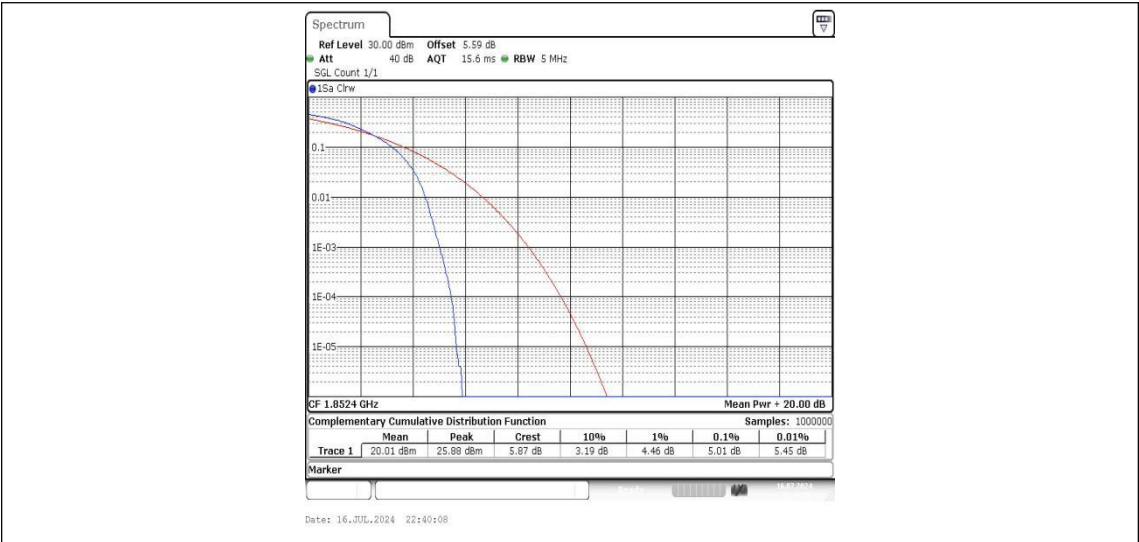
Band2-9262-2-PASS



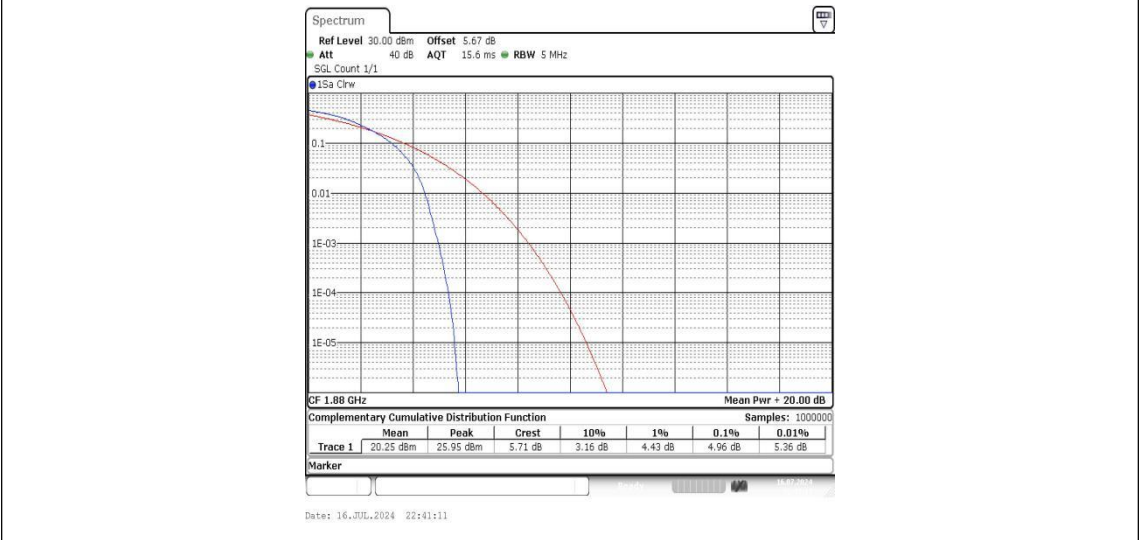
Band2-9400-2-PASS



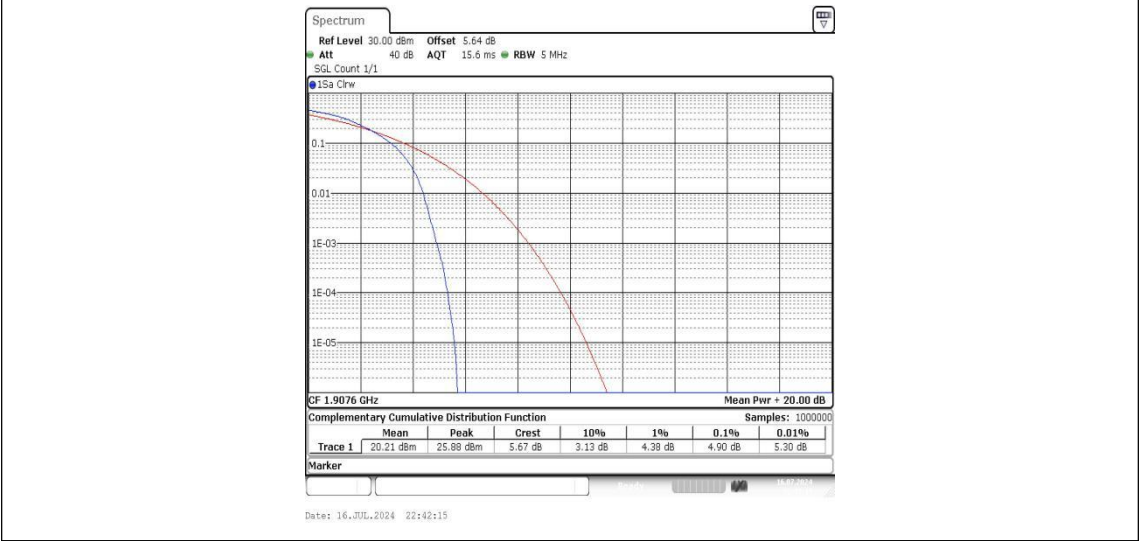
Band2-9538-2-PASS



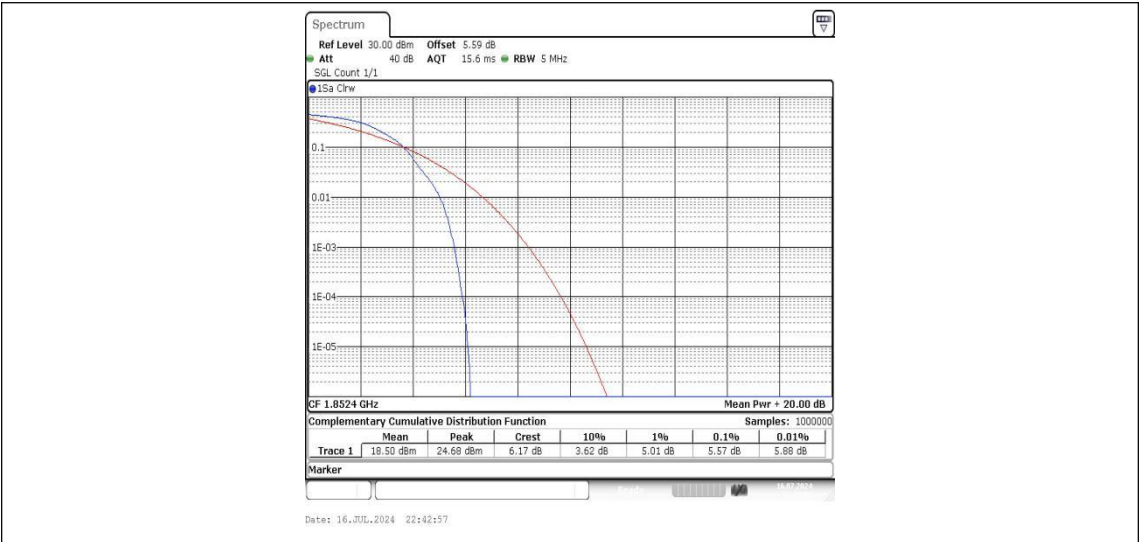
Band2-9262-3-PASS



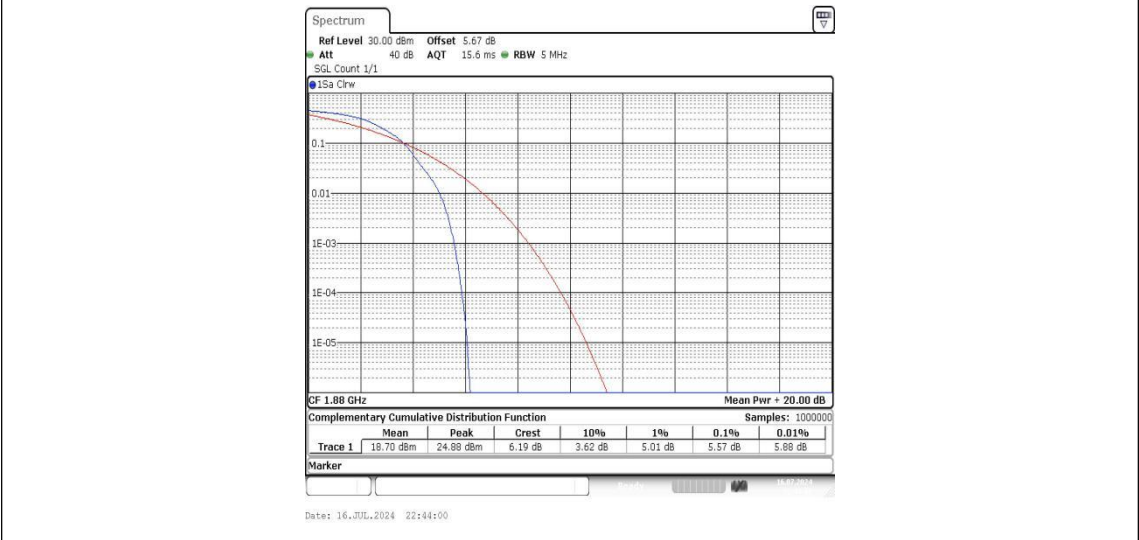
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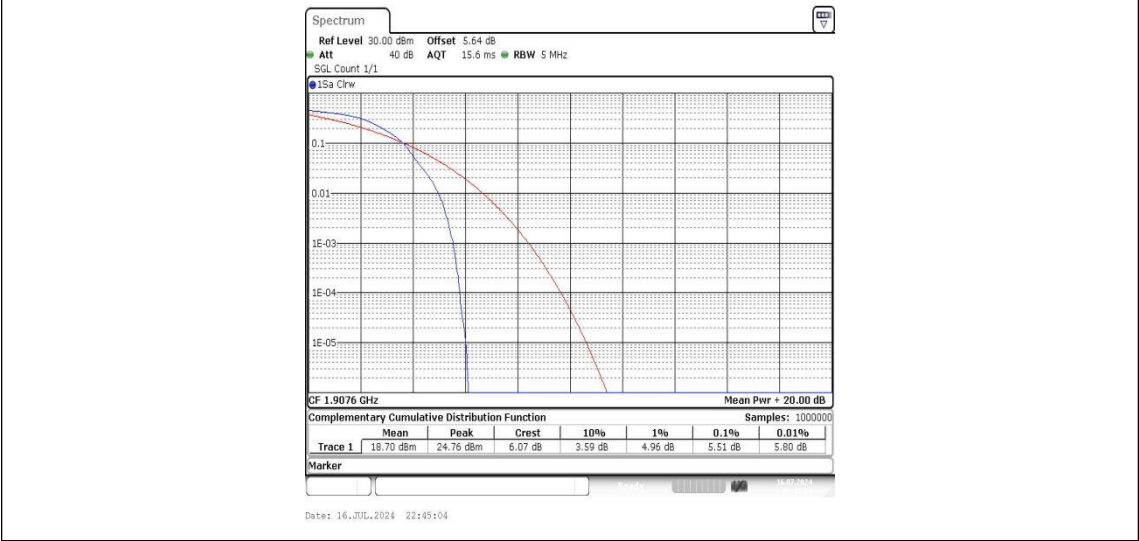
Band2-9538-3-PASS



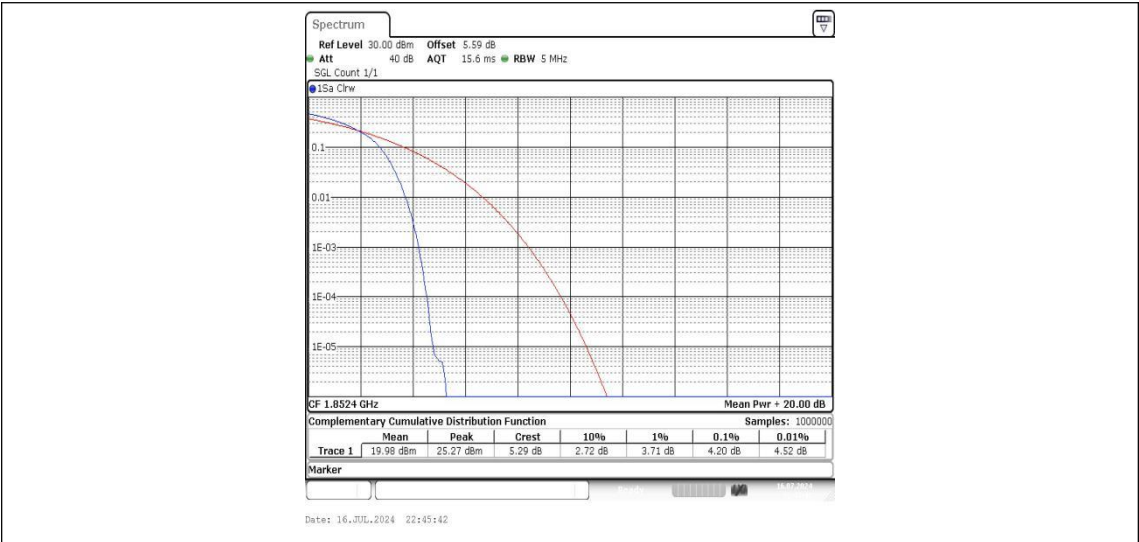
Band2-9262-4-PASS



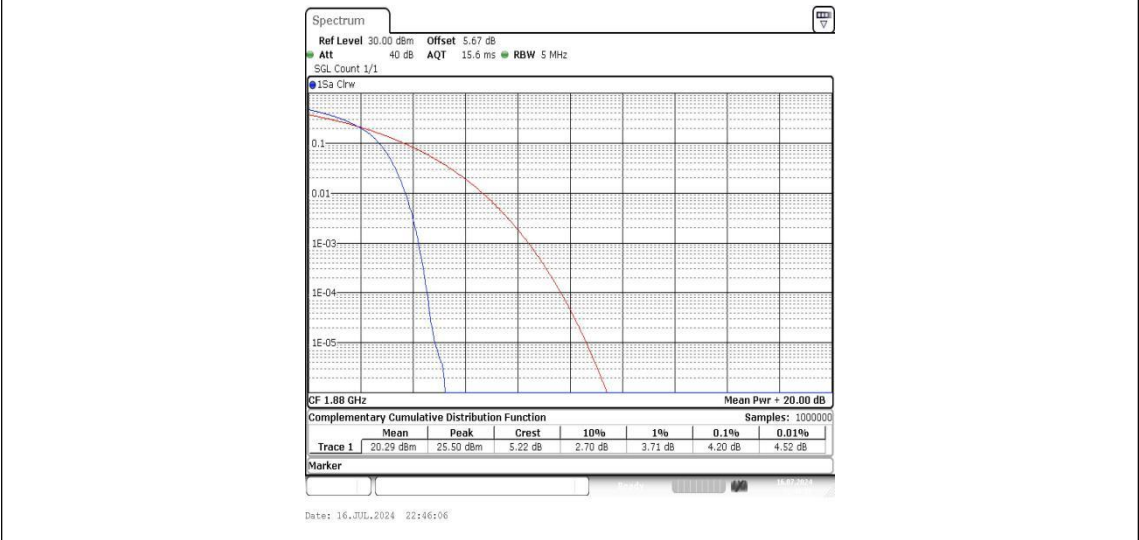
Band2-9400-4-PASS



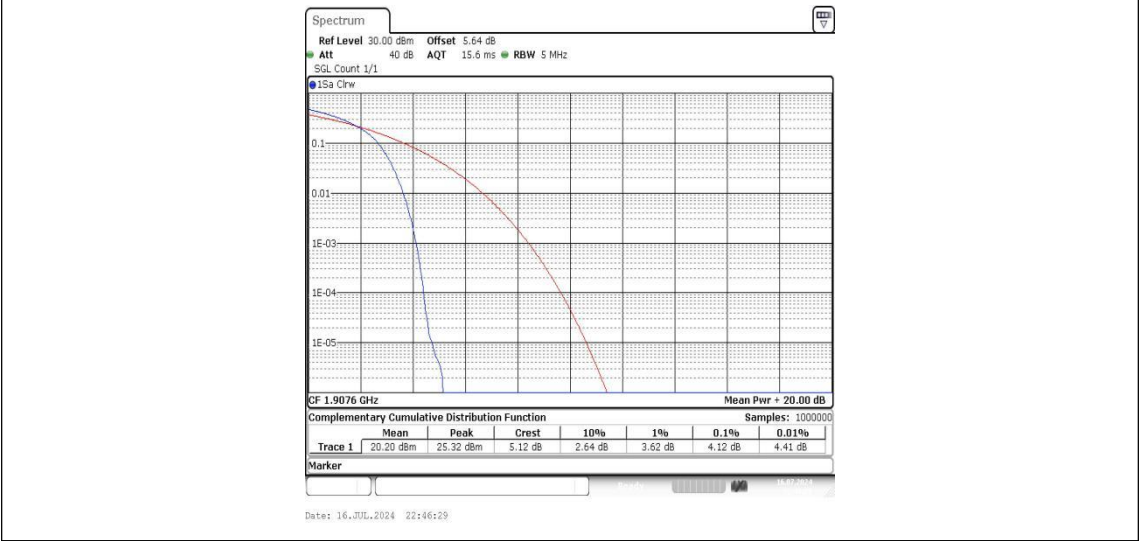
Band2-9538-4-PASS



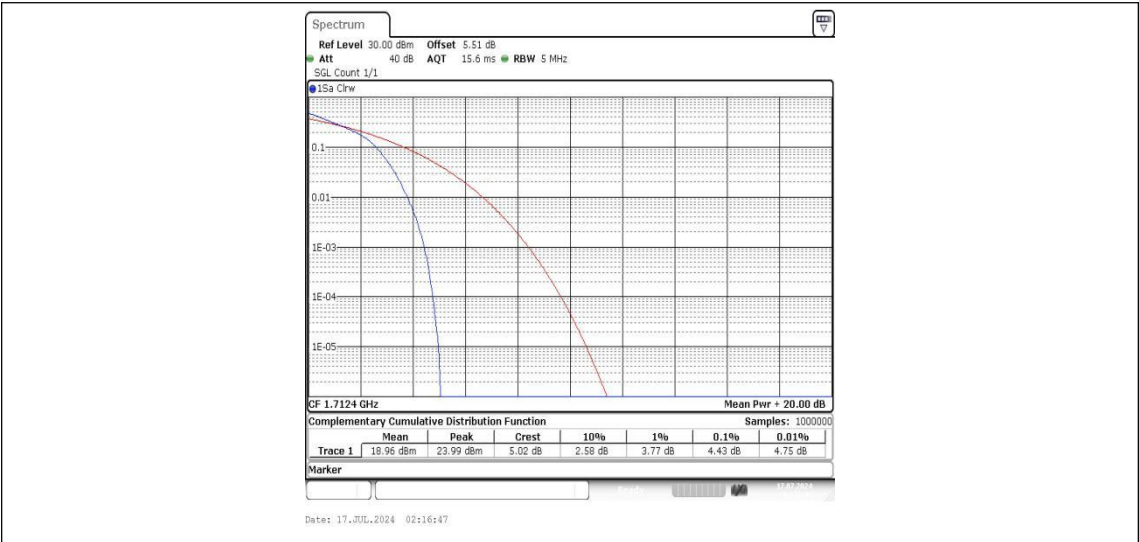
Band2-9262-5-PASS



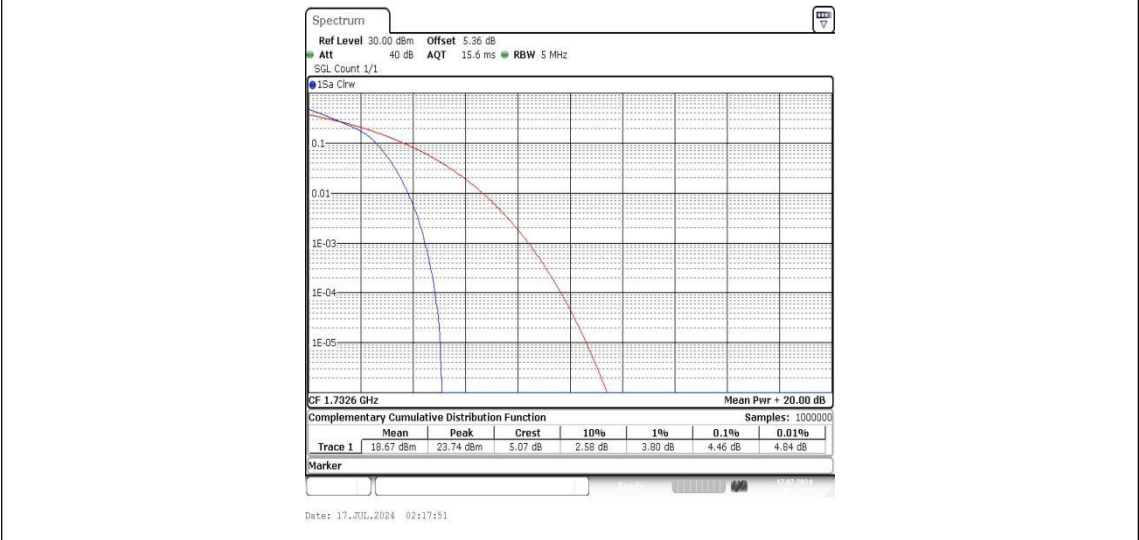
Band2-9400-5-PASS



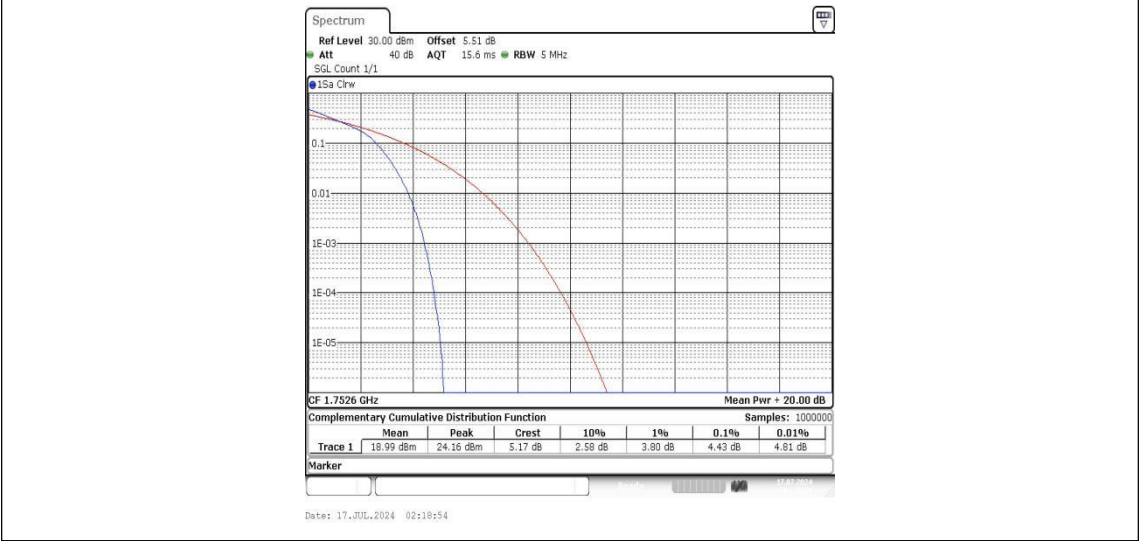
Band2-9538-5-PASS



Band4-1312-1-PASS



Band4-1413-1-PASS



Band4-1513-1-PASS