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1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict
n66	30	10	343000	1@1	DFT_BPSK	21.71	-3.83	17.88	30.00	Pass
n66	30	10	343000	24@0	DFT_QPSK	20.59	-3.83	16.76	30.00	Pass
n66	30	10	343000	12@6	DFT_QPSK	21.66	-3.83	17.83	30.00	Pass
n66	30	10	343000	1@1	DFT_QPSK	21.79	-3.83	17.96	30.00	Pass
n66	30	10	343000	1@22	DFT_QPSK	21.66	-3.83	17.83	30.00	Pass
n66	30	10	343000	1@1	DFT_QAM16	20.31	-3.83	16.48	30.00	Pass
n66	30	10	343000	1@1	DFT_QAM64	19.46	-3.83	15.63	30.00	Pass
n66	30	10	343000	1@1	DFT_QAM256	16.68	-3.83	12.85	30.00	Pass
n66	30	10	343000	1@1	CP_QPSK	20.41	-3.83	16.58	30.00	Pass
n66	30	10	349000	1@1	DFT_BPSK	21.83	-3.83	18.00	30.00	Pass
n66	30	10	349000	24@0	DFT_QPSK	20.82	-3.83	16.99	30.00	Pass
n66	30	10	349000	12@6	DFT_QPSK	21.85	-3.83	18.02	30.00	Pass
n66	30	10	349000	1@1	DFT_QPSK	21.8	-3.83	17.97	30.00	Pass
n66	30	10	349000	1@22	DFT_QPSK	20.16	-3.83	16.33	30.00	Pass
n66	30	10	349000	1@1	DFT_QAM16	20.48	-3.83	16.65	30.00	Pass
n66	30	10	349000	1@1	DFT_QAM64	19.12	-3.83	15.29	30.00	Pass
n66	30	10	349000	1@1	DFT_QAM256	17.26	-3.83	13.43	30.00	Pass
n66	30	10	349000	1@1	CP_QPSK	20.29	-3.83	16.46	30.00	Pass
n66	30	10	355000	1@1	DFT_BPSK	22	-3.83	18.17	30.00	Pass
n66	30	10	355000	24@0	DFT_QPSK	20.98	-3.83	17.15	30.00	Pass
n66	30	10	355000	12@6	DFT_QPSK	22.06	-3.83	18.23	30.00	Pass
n66	30	10	355000	1@1	DFT_QPSK	21.82	-3.83	17.99	30.00	Pass
n66	30	10	355000	1@22	DFT_QPSK	21.78	-3.83	17.95	30.00	Pass
n66	30	10	355000	1@1	DFT_QAM16	19.36	-3.83	15.53	30.00	Pass
n66	30	10	355000	1@1	DFT_QAM64	19.2	-3.83	15.37	30.00	Pass
n66	30	10	355000	1@1	DFT_QAM256	18.08	-3.83	14.25	30.00	Pass
n66	30	10	355000	1@1	CP_QPSK	20.61	-3.83	16.78	30.00	Pass
n66	30	20	344000	1@1	DFT_BPSK	21.06	-3.83	17.23	30.00	Pass
n66	30	20	344000	50@0	DFT_QPSK	20.67	-3.83	16.84	30.00	Pass
n66	30	20	344000	25@12	DFT_QPSK	21.67	-3.83	17.84	30.00	Pass
n66	30	20	344000	1@1	DFT_QPSK	22.24	-3.83	18.41	30.00	Pass
n66	30	20	344000	1@49	DFT_QPSK	22.02	-3.83	18.19	30.00	Pass
n66	30	20	344000	1@1	DFT_QAM16	21.25	-3.83	17.42	30.00	Pass
n66	30	20	344000	1@1	DFT_QAM64	19.46	-3.83	15.63	30.00	Pass
n66	30	20	344000	1@1	DFT_QAM256	17.29	-3.83	13.46	30.00	Pass
n66	30	20	344000	1@1	CP_QPSK	20.07	-3.83	16.24	30.00	Pass
n66	30	20	349000	1@1	DFT_BPSK	21.72	-3.83	17.89	30.00	Pass
n66	30	20	349000	50@0	DFT_QPSK	20.84	-3.83	17.01	30.00	Pass

n66	30	20	349000	25@12	DFT_QPSK	21.78	-3.83	17.95	30.00	Pass
n66	30	20	349000	1@1	DFT_QPSK	21.67	-3.83	17.84	30.00	Pass
n66	30	20	349000	1@49	DFT_QPSK	21.85	-3.83	18.02	30.00	Pass
n66	30	20	349000	1@1	DFT_QAM16	20.87	-3.83	17.04	30.00	Pass
n66	30	20	349000	1@1	DFT_QAM64	19.23	-3.83	15.40	30.00	Pass
n66	30	20	349000	1@1	DFT_QAM256	17.49	-3.83	13.66	30.00	Pass
n66	30	20	349000	1@1	CP_QPSK	20.06	-3.83	16.23	30.00	Pass
n66	30	20	354000	1@1	DFT_BPSK	22.06	-3.83	18.23	30.00	Pass
n66	30	20	354000	50@0	DFT_QPSK	21.08	-3.83	17.25	30.00	Pass
n66	30	20	354000	25@12	DFT_QPSK	22.11	-3.83	18.28	30.00	Pass
n66	30	20	354000	1@1	DFT_QPSK	22.02	-3.83	18.19	30.00	Pass
n66	30	20	354000	1@49	DFT_QPSK	21.25	-3.83	17.42	30.00	Pass
n66	30	20	354000	1@1	DFT_QAM16	21.41	-3.83	17.58	30.00	Pass
n66	30	20	354000	1@1	DFT_QAM64	19.24	-3.83	15.41	30.00	Pass
n66	30	20	354000	1@1	DFT_QAM256	17.83	-3.83	14.00	30.00	Pass
n66	30	20	354000	1@1	CP_QPSK	20.87	-3.83	17.04	30.00	Pass
n66	30	40	346000	1@1	DFT_BPSK	22.03	-3.83	18.20	30.00	Pass
n66	30	40	346000	100@0	DFT_QPSK	20.88	-3.83	17.05	30.00	Pass
n66	30	40	346000	50@25	DFT_QPSK	21.49	-3.83	17.66	30.00	Pass
n66	30	40	346000	1@1	DFT_QPSK	21.99	-3.83	18.16	30.00	Pass
n66	30	40	346000	1@104	DFT_QPSK	22.02	-3.83	18.19	30.00	Pass
n66	30	40	346000	1@1	DFT_QAM16	20.92	-3.83	17.09	30.00	Pass
n66	30	40	346000	1@1	DFT_QAM64	19.7	-3.83	15.87	30.00	Pass
n66	30	40	346000	1@1	DFT_QAM256	17.82	-3.83	13.99	30.00	Pass
n66	30	40	346000	1@1	CP_QPSK	20.51	-3.83	16.68	30.00	Pass
n66	30	40	349000	1@1	DFT_BPSK	21.94	-3.83	18.11	30.00	Pass
n66	30	40	349000	100@0	DFT_QPSK	21.09	-3.83	17.26	30.00	Pass
n66	30	40	349000	50@25	DFT_QPSK	20.38	-3.83	16.55	30.00	Pass
n66	30	40	349000	1@1	DFT_QPSK	20.38	-3.83	16.55	30.00	Pass
n66	30	40	349000	1@104	DFT_QPSK	20.8	-3.83	16.97	30.00	Pass
n66	30	40	349000	1@1	DFT_QAM16	20.61	-3.83	16.78	30.00	Pass
n66	30	40	349000	1@1	DFT_QAM64	19.5	-3.83	15.67	30.00	Pass
n66	30	40	349000	1@1	DFT_QAM256	17.63	-3.83	13.80	30.00	Pass
n66	30	40	349000	1@1	CP_QPSK	20.41	-3.83	16.58	30.00	Pass
n66	30	40	352000	1@1	DFT_BPSK	22	-3.83	18.17	30.00	Pass
n66	30	40	352000	100@0	DFT_QPSK	21.28	-3.83	17.45	30.00	Pass
n66	30	40	352000	50@25	DFT_QPSK	21.47	-3.83	17.64	30.00	Pass
n66	30	40	352000	1@1	DFT_QPSK	21.98	-3.83	18.15	30.00	Pass
n66	30	40	352000	1@104	DFT_QPSK	20.54	-3.83	16.71	30.00	Pass
n66	30	40	352000	1@1	DFT_QAM16	20.59	-3.83	16.76	30.00	Pass
n66	30	40	352000	1@1	DFT_QAM64	19.77	-3.83	15.94	30.00	Pass
n66	30	40	352000	1@1	DFT_QAM256	17.48	-3.83	13.65	30.00	Pass
n66	30	40	352000	1@1	CP_QPSK	20.53	-3.83	16.70	30.00	Pass

2 Frequency stability for NR FR1(Voltage:3.45V, Temperature:-10° C Worst data)

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n66	30	10	343000	12@6	DFT_BPSK	-2.70	-0.00157	-2.5	2.5	PASS
n66	30	10	343000	1@1	DFT_BPSK	-5.54	-0.00323	-2.5	2.5	PASS
n66	30	10	343000	1@22	DFT_BPSK	-5.27	-0.00307	-2.5	2.5	PASS
n66	30	10	343000	12@6	DFT_QPSK	0.28	0.00016	-2.5	2.5	PASS
n66	30	10	343000	1@1	DFT_QPSK	-1.27	-0.00074	-2.5	2.5	PASS
n66	30	10	343000	1@22	DFT_QPSK	-0.82	-0.00048	-2.5	2.5	PASS
n66	30	10	349000	12@6	DFT_BPSK	-1.10	-0.00063	-2.5	2.5	PASS
n66	30	10	349000	1@1	DFT_BPSK	-5.44	-0.00312	-2.5	2.5	PASS
n66	30	10	349000	1@22	DFT_BPSK	-2.03	-0.00116	-2.5	2.5	PASS
n66	30	10	349000	12@6	DFT_QPSK	-2.67	-0.00153	-2.5	2.5	PASS
n66	30	10	349000	1@1	DFT_QPSK	-1.50	-0.00086	-2.5	2.5	PASS
n66	30	10	349000	1@22	DFT_QPSK	-0.10	-0.00006	-2.5	2.5	PASS
n66	30	10	355000	12@6	DFT_BPSK	1.22	0.00069	-2.5	2.5	PASS
n66	30	10	355000	1@1	DFT_BPSK	-1.60	-0.00090	-2.5	2.5	PASS
n66	30	10	355000	1@22	DFT_BPSK	-0.88	-0.00050	-2.5	2.5	PASS
n66	30	10	355000	12@6	DFT_QPSK	-5.10	-0.00287	-2.5	2.5	PASS
n66	30	10	355000	1@1	DFT_QPSK	-7.62	-0.00429	-2.5	2.5	PASS
n66	30	10	355000	1@22	DFT_QPSK	-8.79	-0.00495	-2.5	2.5	PASS
n66	30	20	344000	25@12	DFT_BPSK	-5.72	-0.00333	-2.5	2.5	PASS
n66	30	20	344000	1@1	DFT_BPSK	-6.09	-0.00354	-2.5	2.5	PASS
n66	30	20	344000	1@49	DFT_BPSK	-8.18	-0.00476	-2.5	2.5	PASS
n66	30	20	344000	25@12	DFT_QPSK	-4.25	-0.00247	-2.5	2.5	PASS
n66	30	20	344000	1@1	DFT_QPSK	-4.24	-0.00247	-2.5	2.5	PASS
n66	30	20	344000	1@49	DFT_QPSK	-7.27	-0.00423	-2.5	2.5	PASS
n66	30	20	349000	25@12	DFT_BPSK	-4.07	-0.00233	-2.5	2.5	PASS
n66	30	20	349000	1@1	DFT_BPSK	-2.28	-0.00131	-2.5	2.5	PASS
n66	30	20	349000	1@49	DFT_BPSK	-3.45	-0.00198	-2.5	2.5	PASS
n66	30	20	349000	25@12	DFT_QPSK	-0.09	-0.00005	-2.5	2.5	PASS
n66	30	20	349000	1@1	DFT_QPSK	-0.69	-0.00040	-2.5	2.5	PASS
n66	30	20	349000	1@49	DFT_QPSK	-0.94	-0.00054	-2.5	2.5	PASS
n66	30	20	354000	25@12	DFT_BPSK	-2.78	-0.00157	-2.5	2.5	PASS
n66	30	20	354000	1@1	DFT_BPSK	-2.97	-0.00168	-2.5	2.5	PASS
n66	30	20	354000	1@49	DFT_BPSK	-2.43	-0.00137	-2.5	2.5	PASS
n66	30	20	354000	25@12	DFT_QPSK	-2.36	-0.00133	-2.5	2.5	PASS
n66	30	20	354000	1@1	DFT_QPSK	-2.34	-0.00132	-2.5	2.5	PASS
n66	30	20	354000	1@49	DFT_QPSK	-0.67	-0.00038	-2.5	2.5	PASS
n66	30	40	346000	50@25	DFT_BPSK	-1.63	-0.00094	-2.5	2.5	PASS
n66	30	40	346000	1@1	DFT_BPSK	-2.33	-0.00135	-2.5	2.5	PASS
n66	30	40	346000	1@104	DFT_BPSK	-3.97	-0.00229	-2.5	2.5	PASS
n66	30	40	346000	50@25	DFT_QPSK	-3.72	-0.00215	-2.5	2.5	PASS
n66	30	40	346000	1@1	DFT_QPSK	-1.23	-0.00071	-2.5	2.5	PASS

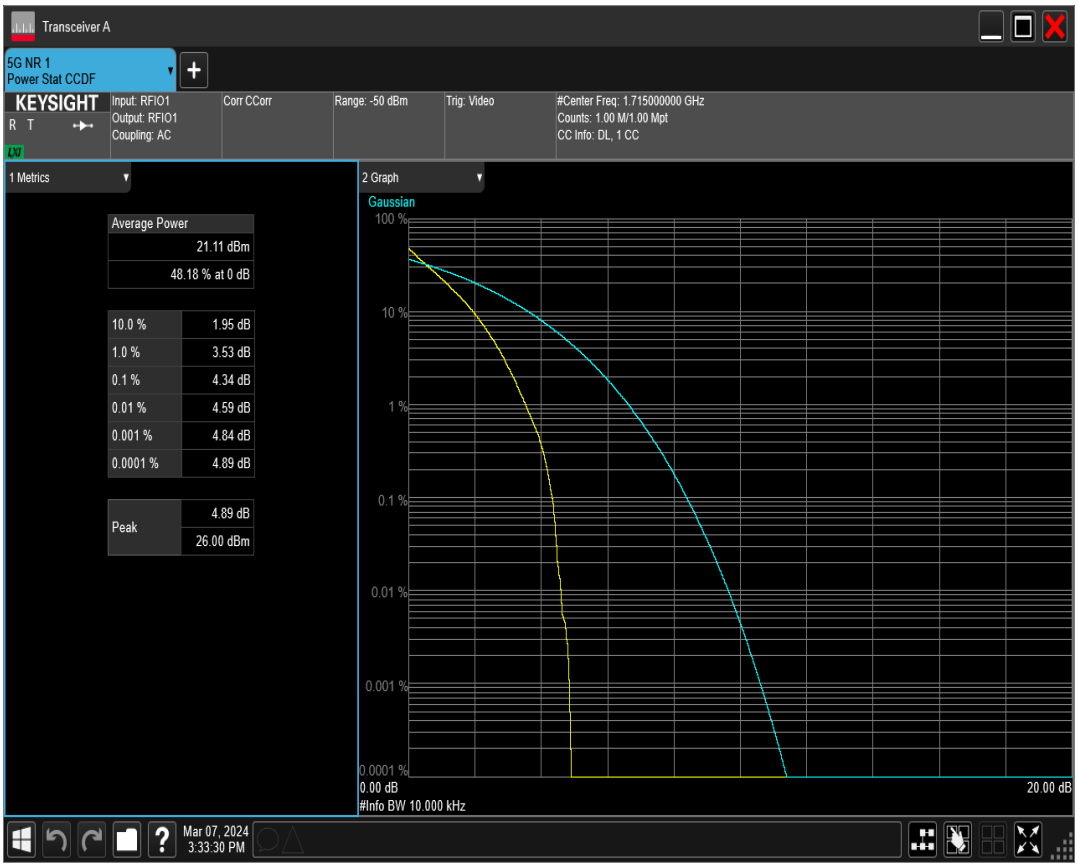
n66	30	40	346000	1@104	DFT_QPSK	-3.14	-0.00182	-2.5	2.5	PASS
n66	30	40	349000	50@25	DFT_BPSK	1.42	0.00081	-2.5	2.5	PASS
n66	30	40	349000	1@1	DFT_BPSK	1.05	0.00060	-2.5	2.5	PASS
n66	30	40	349000	1@104	DFT_BPSK	2.64	0.00151	-2.5	2.5	PASS
n66	30	40	349000	50@25	DFT_QPSK	0.20	0.00011	-2.5	2.5	PASS
n66	30	40	349000	1@1	DFT_QPSK	-1.76	-0.00101	-2.5	2.5	PASS
n66	30	40	349000	1@104	DFT_QPSK	-0.67	-0.00038	-2.5	2.5	PASS
n66	30	40	352000	50@25	DFT_BPSK	-0.49	-0.00028	-2.5	2.5	PASS
n66	30	40	352000	1@1	DFT_BPSK	-1.18	-0.00067	-2.5	2.5	PASS
n66	30	40	352000	1@104	DFT_BPSK	-1.21	-0.00069	-2.5	2.5	PASS
n66	30	40	352000	50@25	DFT_QPSK	-0.12	-0.00007	-2.5	2.5	PASS
n66	30	40	352000	1@1	DFT_QPSK	-1.41	-0.00080	-2.5	2.5	PASS
n66	30	40	352000	1@104	DFT_QPSK	-2.36	-0.00134	-2.5	2.5	PASS

3 Peak-to-Average Ratio for NR FR1

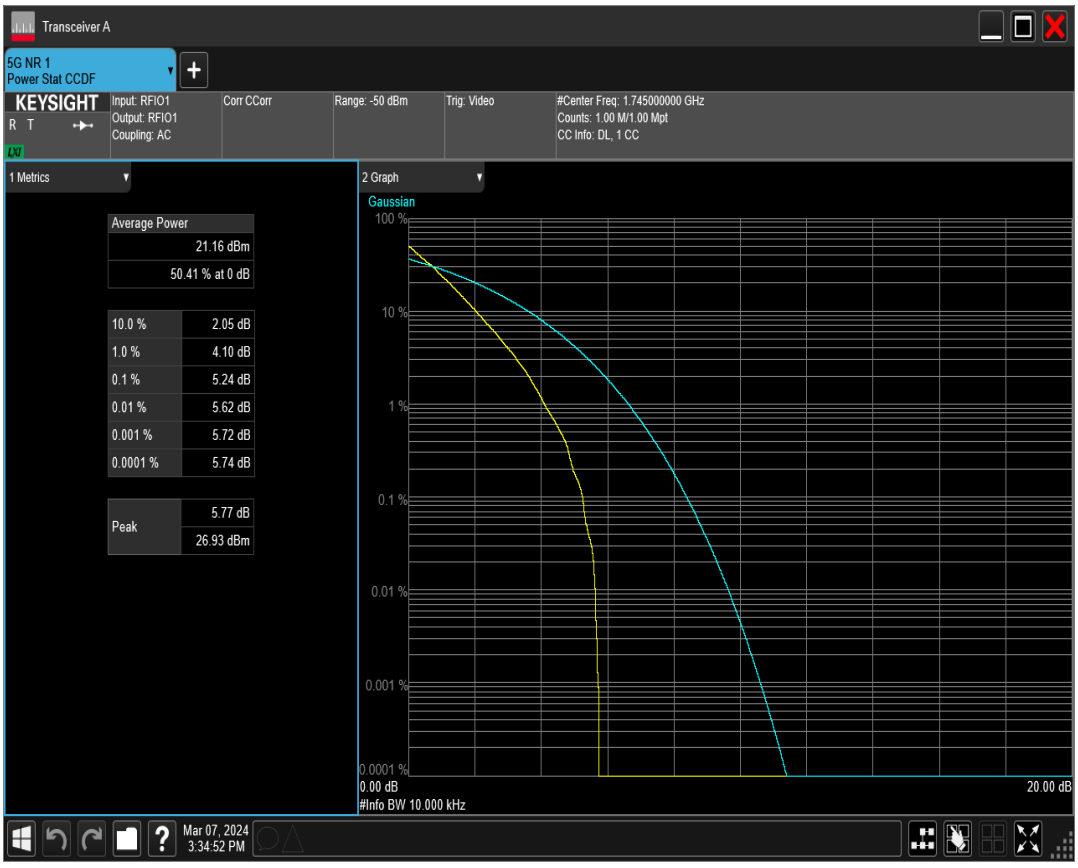
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n66	30	10	343000	24@0	DFT_BPSK	4.34	13	PASS
n66	30	10	343000	24@0	DFT_QPSK	5.40	13	PASS
n66	30	10	343000	24@0	DFT_QAM16	6.29	13	PASS
n66	30	10	343000	24@0	DFT_QAM64	6.29	13	PASS
n66	30	10	343000	24@0	DFT_QAM256	6.86	13	PASS
n66	30	10	349000	24@0	DFT_BPSK	5.24	13	PASS
n66	30	10	349000	24@0	DFT_QPSK	5.74	13	PASS
n66	30	10	349000	24@0	DFT_QAM16	6.43	13	PASS
n66	30	10	349000	24@0	DFT_QAM64	6.73	13	PASS
n66	30	10	349000	24@0	DFT_QAM256	6.73	13	PASS
n66	30	10	355000	24@0	DFT_BPSK	4.07	13	PASS
n66	30	10	355000	24@0	DFT_QPSK	5.08	13	PASS
n66	30	10	355000	24@0	DFT_QAM16	5.85	13	PASS
n66	30	10	355000	24@0	DFT_QAM64	6.12	13	PASS
n66	30	10	355000	24@0	DFT_QAM256	6.41	13	PASS
n66	30	15	343500	36@0	DFT_BPSK	4.44	13	PASS
n66	30	15	343500	36@0	DFT_QPSK	5.51	13	PASS
n66	30	15	343500	36@0	DFT_QAM16	6.23	13	PASS
n66	30	15	343500	36@0	DFT_QAM64	6.41	13	PASS
n66	30	15	343500	36@0	DFT_QAM256	6.67	13	PASS
n66	30	15	349000	36@0	DFT_BPSK	3.49	13	PASS
n66	30	15	349000	36@0	DFT_QPSK	5.56	13	PASS
n66	30	15	349000	36@0	DFT_QAM16	6.42	13	PASS
n66	30	15	349000	36@0	DFT_QAM64	6.56	13	PASS
n66	30	15	349000	36@0	DFT_QAM256	6.66	13	PASS
n66	30	15	354500	36@0	DFT_BPSK	4.19	13	PASS
n66	30	15	354500	36@0	DFT_QPSK	5.09	13	PASS
n66	30	15	354500	36@0	DFT_QAM16	5.94	13	PASS

n66	30	15	354500	36@0	DFT_QAM64	6.39	13	PASS
n66	30	15	354500	36@0	DFT_QAM256	6.67	13	PASS
n66	30	20	344000	50@0	DFT_BPSK	4.39	13	PASS
n66	30	20	344000	50@0	DFT_QPSK	5.50	13	PASS
n66	30	20	344000	50@0	DFT_QAM16	6.25	13	PASS
n66	30	20	344000	50@0	DFT_QAM64	6.31	13	PASS
n66	30	20	344000	50@0	DFT_QAM256	6.67	13	PASS
n66	30	20	349000	50@0	DFT_BPSK	5.12	13	PASS
n66	30	20	349000	50@0	DFT_QPSK	5.79	13	PASS
n66	30	20	349000	50@0	DFT_QAM16	6.48	13	PASS
n66	30	20	349000	50@0	DFT_QAM64	6.71	13	PASS
n66	30	20	349000	50@0	DFT_QAM256	6.59	13	PASS
n66	30	20	354000	50@0	DFT_BPSK	4.58	13	PASS
n66	30	20	354000	50@0	DFT_QPSK	5.23	13	PASS
n66	30	20	354000	50@0	DFT_QAM16	6.01	13	PASS
n66	30	20	354000	50@0	DFT_QAM64	6.46	13	PASS
n66	30	20	354000	50@0	DFT_QAM256	6.51	13	PASS
n66	30	40	346000	100@0	DFT_BPSK	4.52	13	PASS
n66	30	40	346000	100@0	DFT_QPSK	5.59	13	PASS
n66	30	40	346000	100@0	DFT_QAM16	6.65	13	PASS
n66	30	40	346000	100@0	DFT_QAM64	6.92	13	PASS
n66	30	40	346000	100@0	DFT_QAM256	6.99	13	PASS
n66	30	40	349000	100@0	DFT_BPSK	4.79	13	PASS
n66	30	40	349000	100@0	DFT_QPSK	5.62	13	PASS
n66	30	40	349000	100@0	DFT_QAM16	6.62	13	PASS
n66	30	40	349000	100@0	DFT_QAM64	6.87	13	PASS
n66	30	40	349000	100@0	DFT_QAM256	7.05	13	PASS
n66	30	40	352000	100@0	DFT_BPSK	4.97	13	PASS
n66	30	40	352000	100@0	DFT_QPSK	5.59	13	PASS
n66	30	40	352000	100@0	DFT_QAM16	6.49	13	PASS
n66	30	40	352000	100@0	DFT_QAM64	6.88	13	PASS
n66	30	40	352000	100@0	DFT_QAM256	7.07	13	PASS

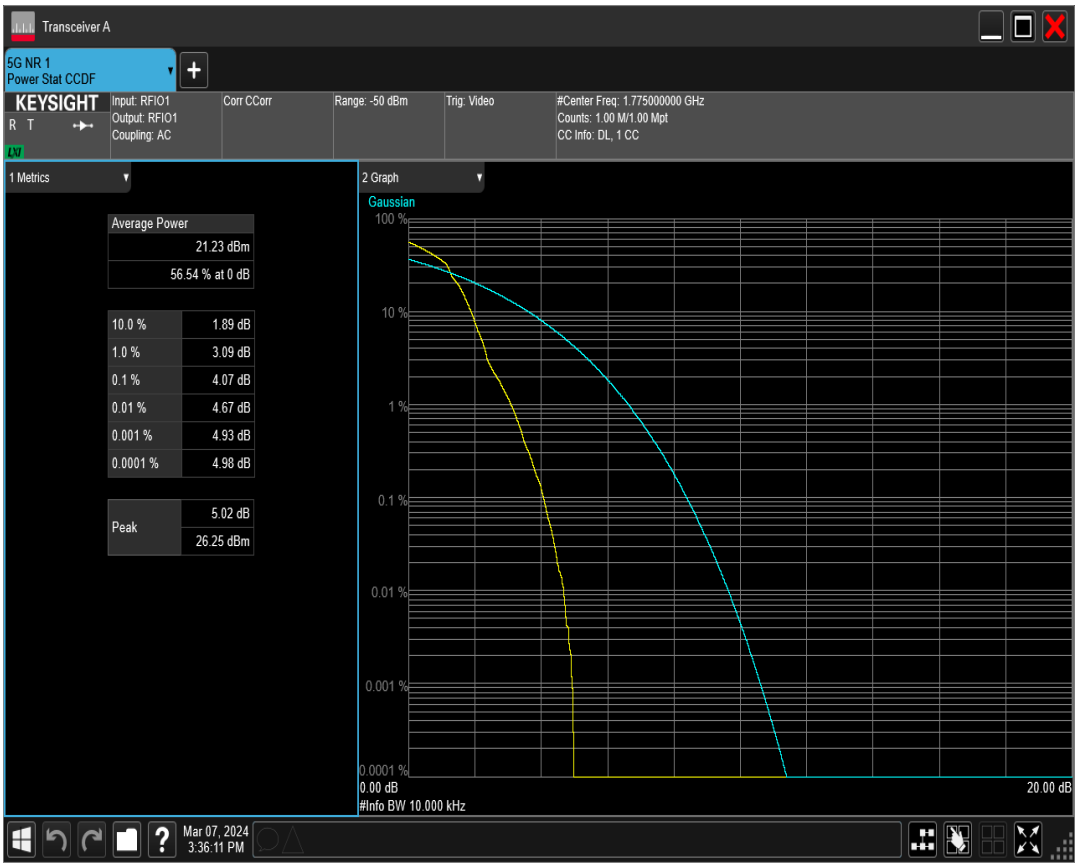
n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=343000 RB=24@0



n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=349000 RB=24@0



n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=355000 RB=24@0



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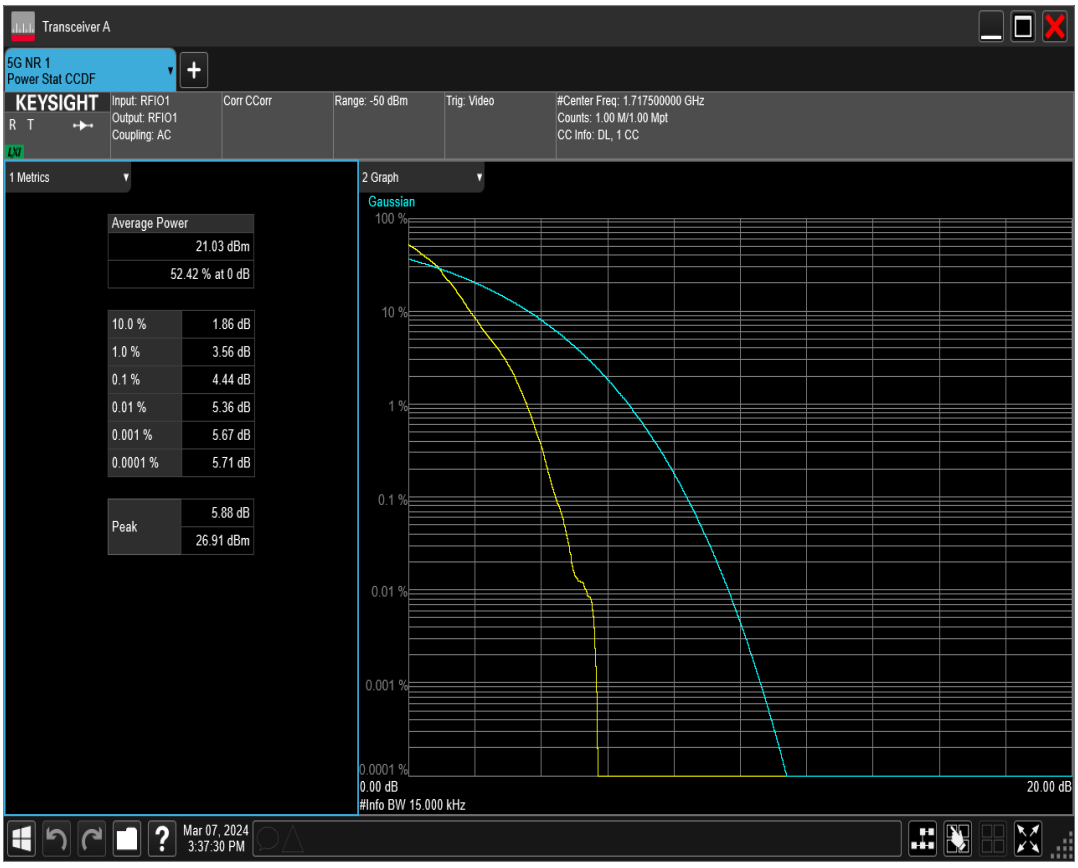

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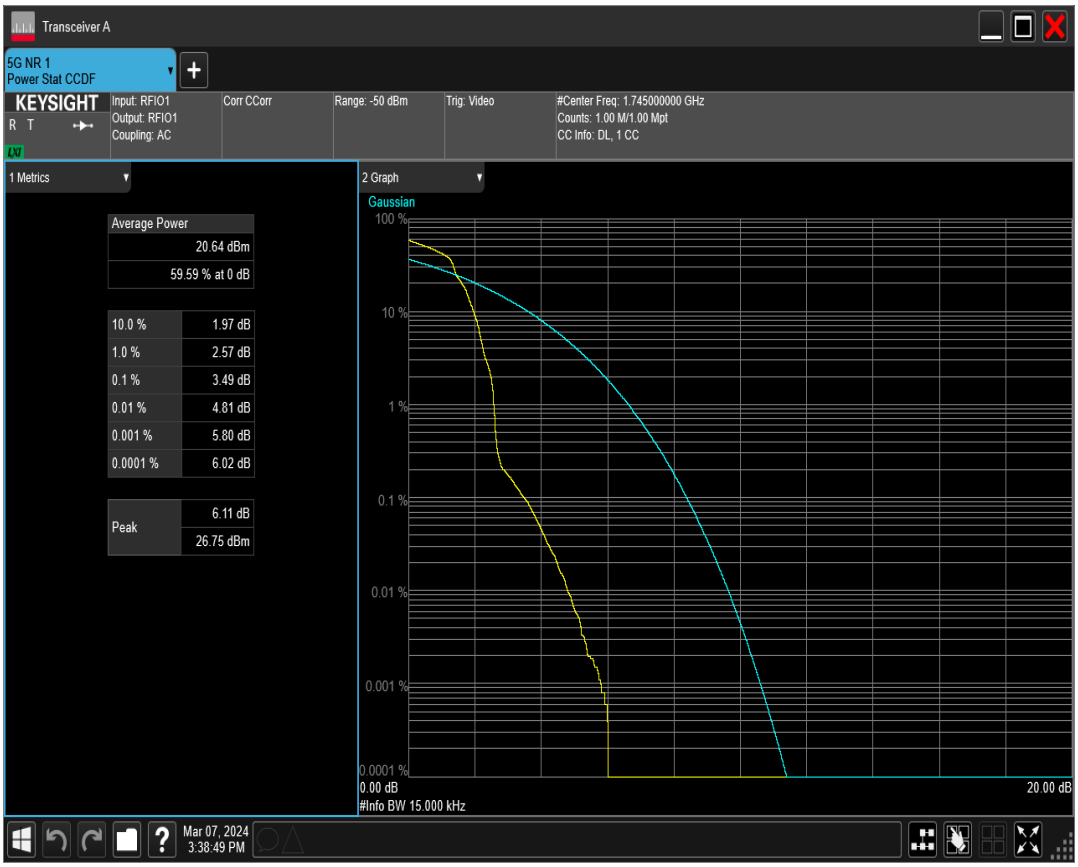

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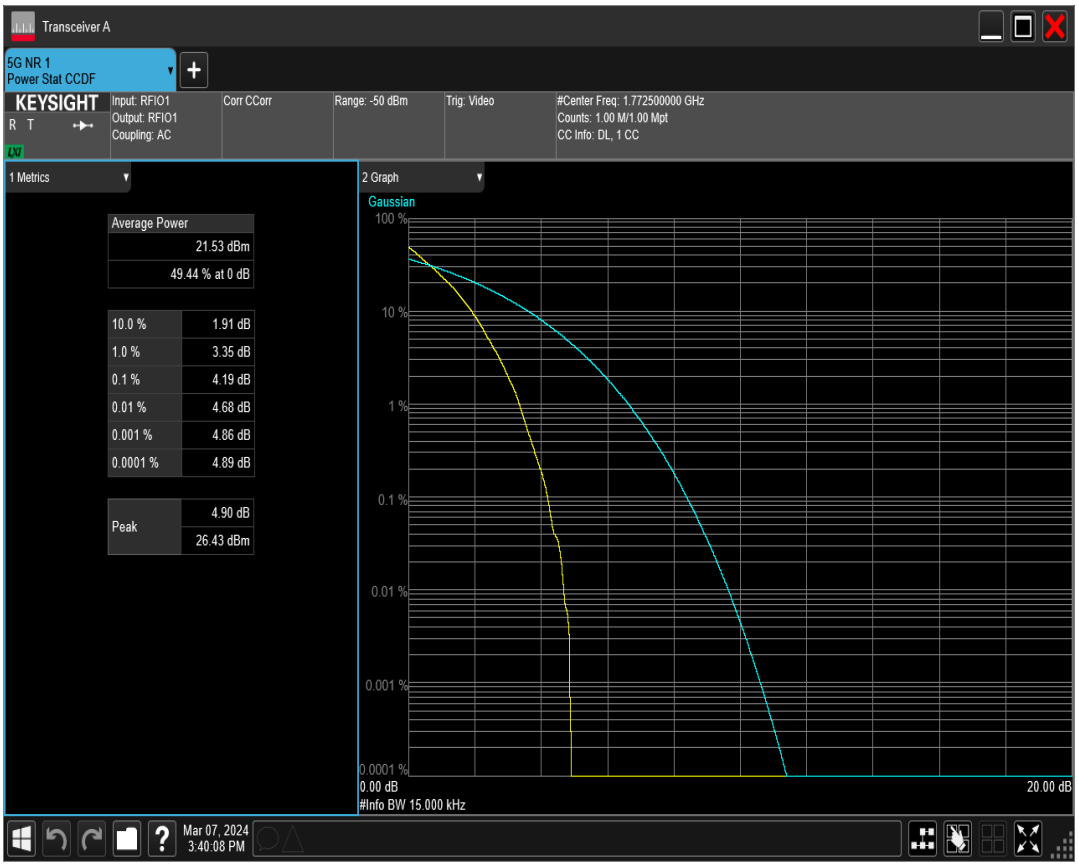

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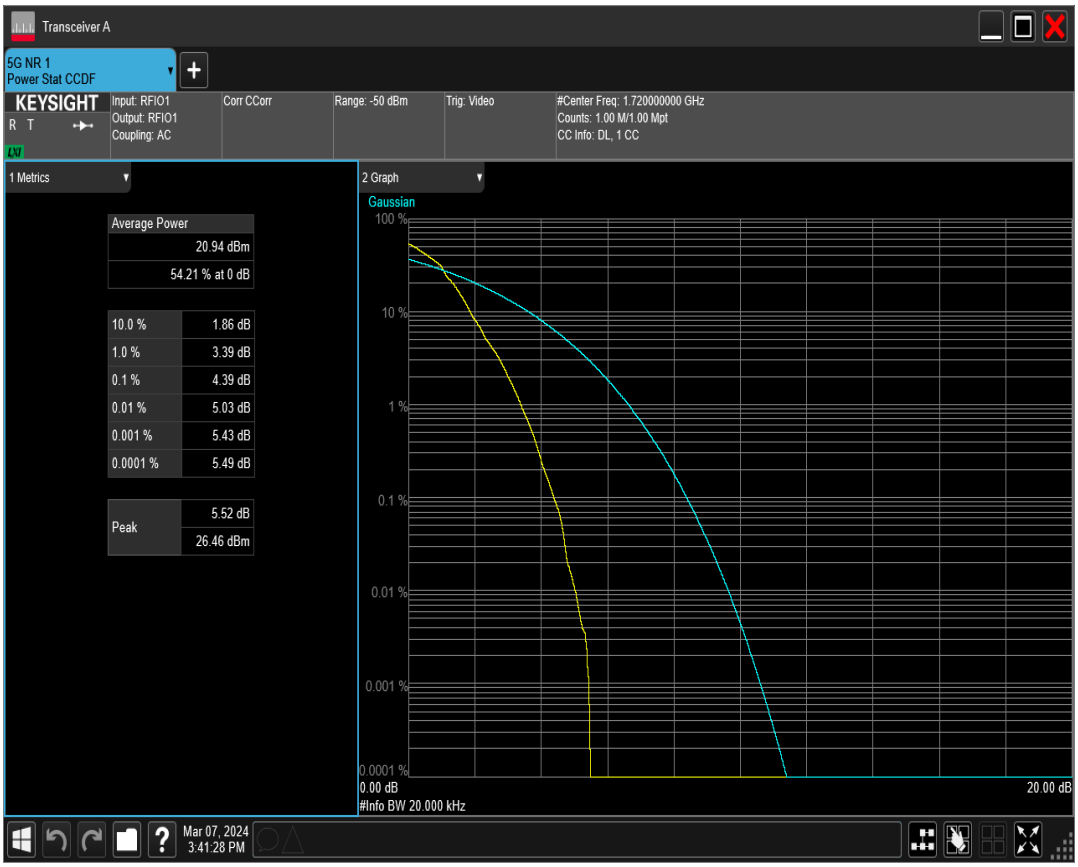

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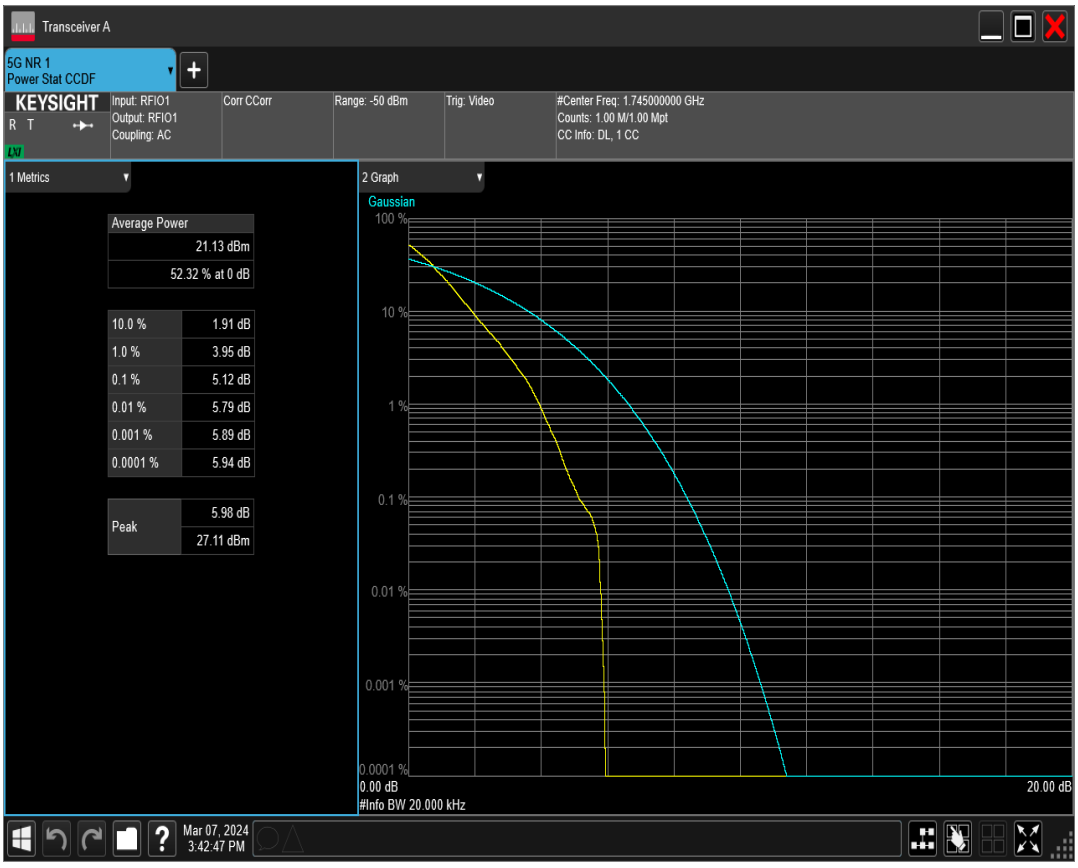

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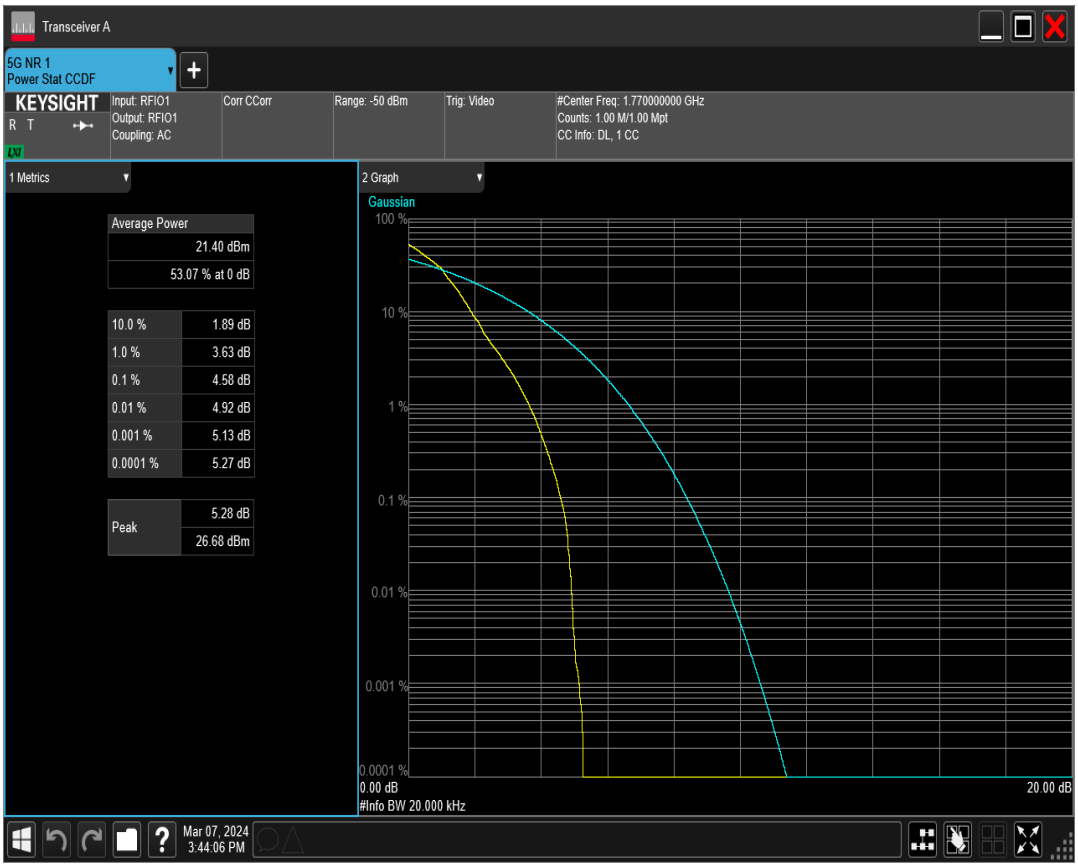

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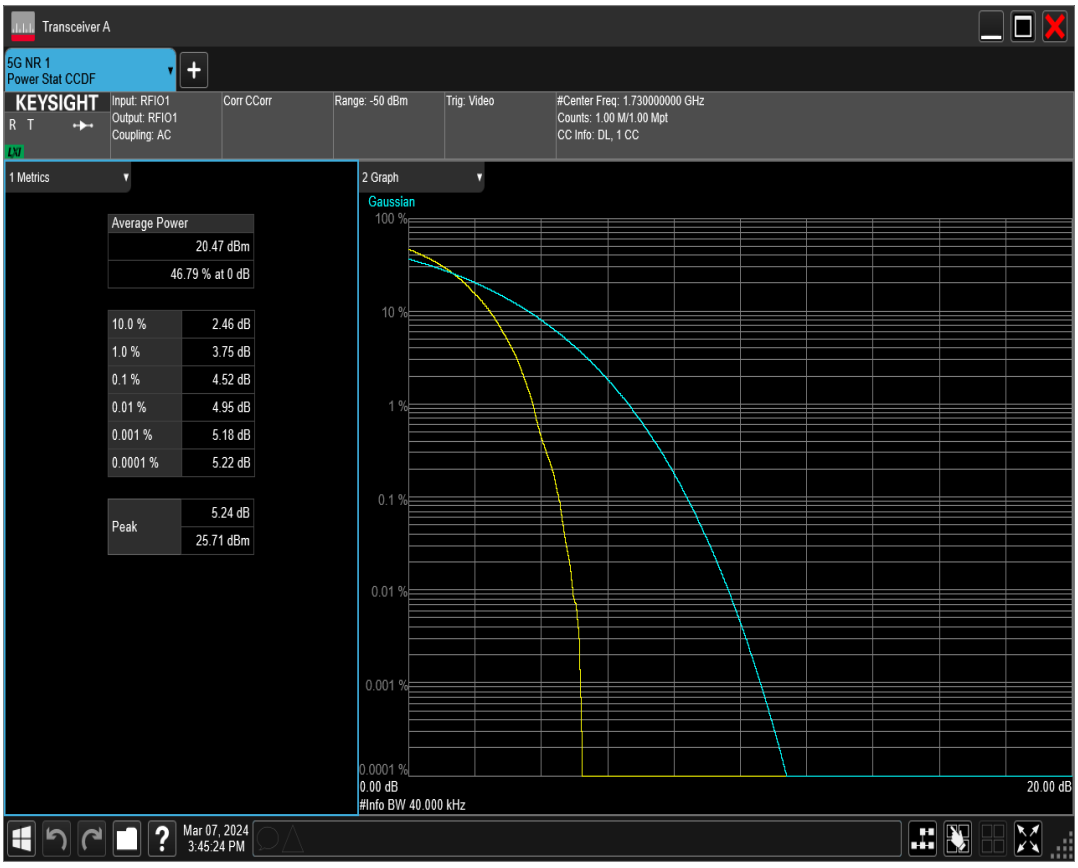

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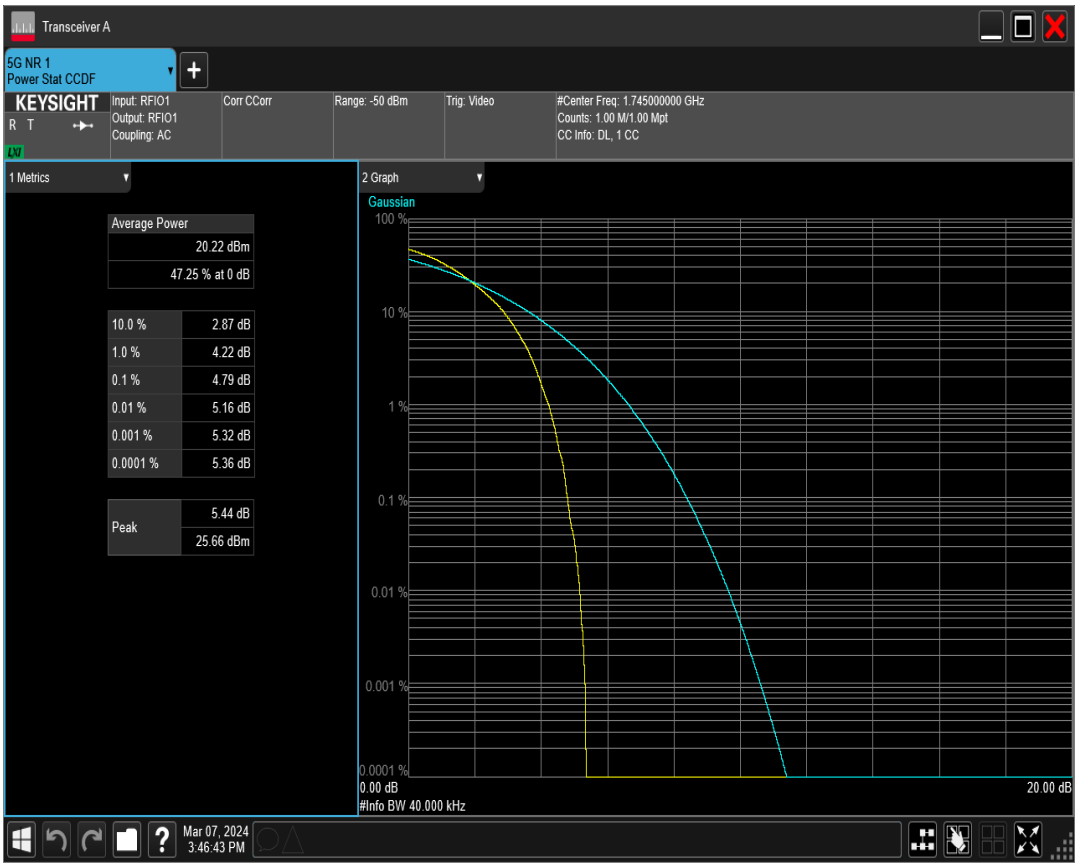

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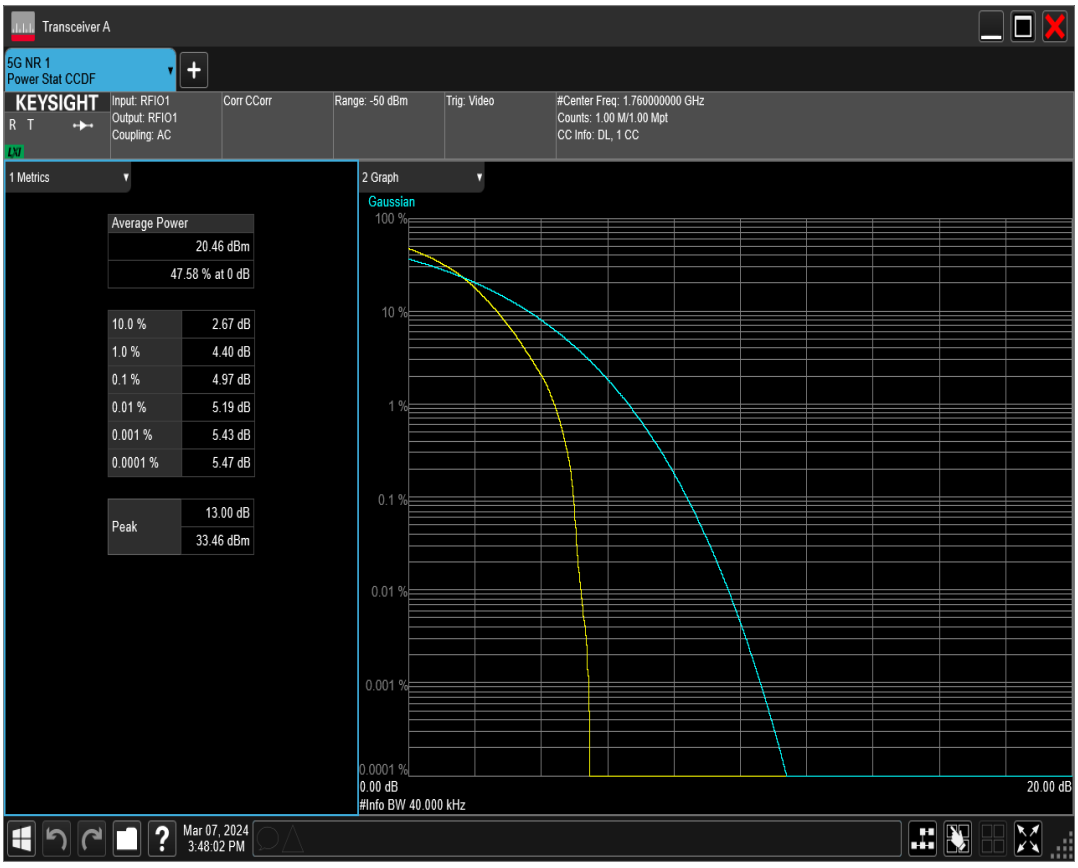

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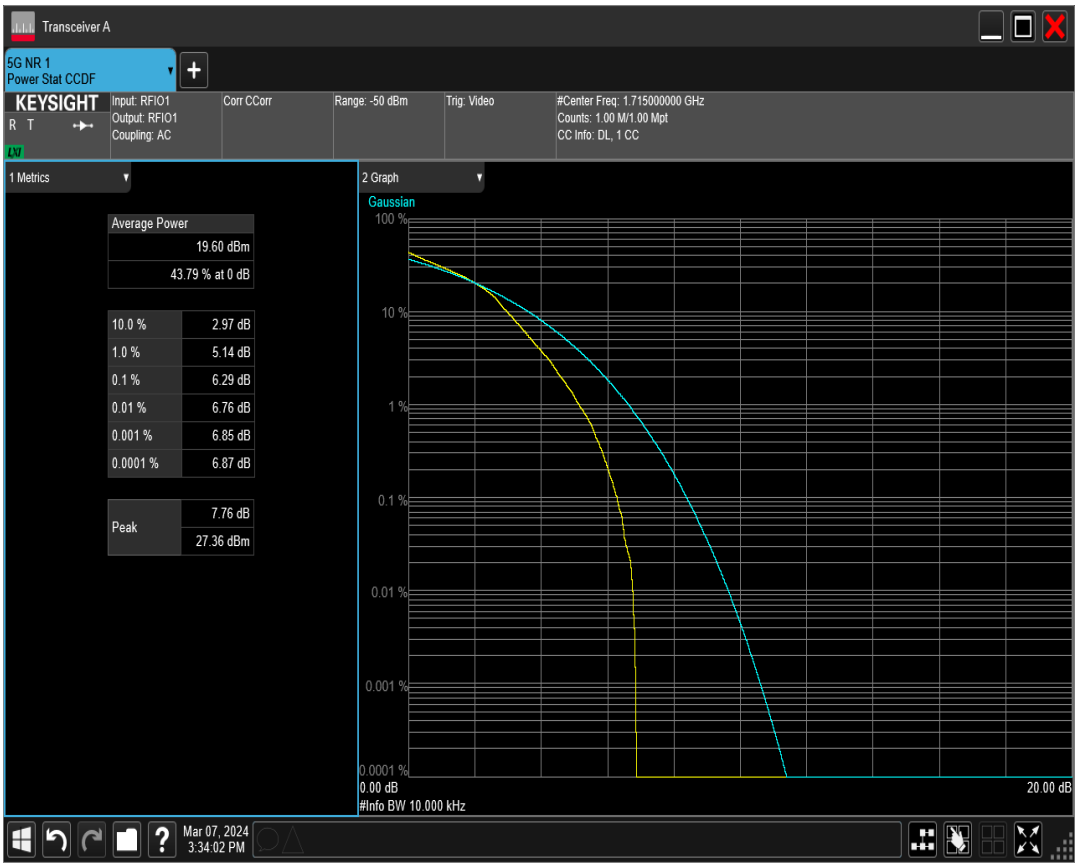

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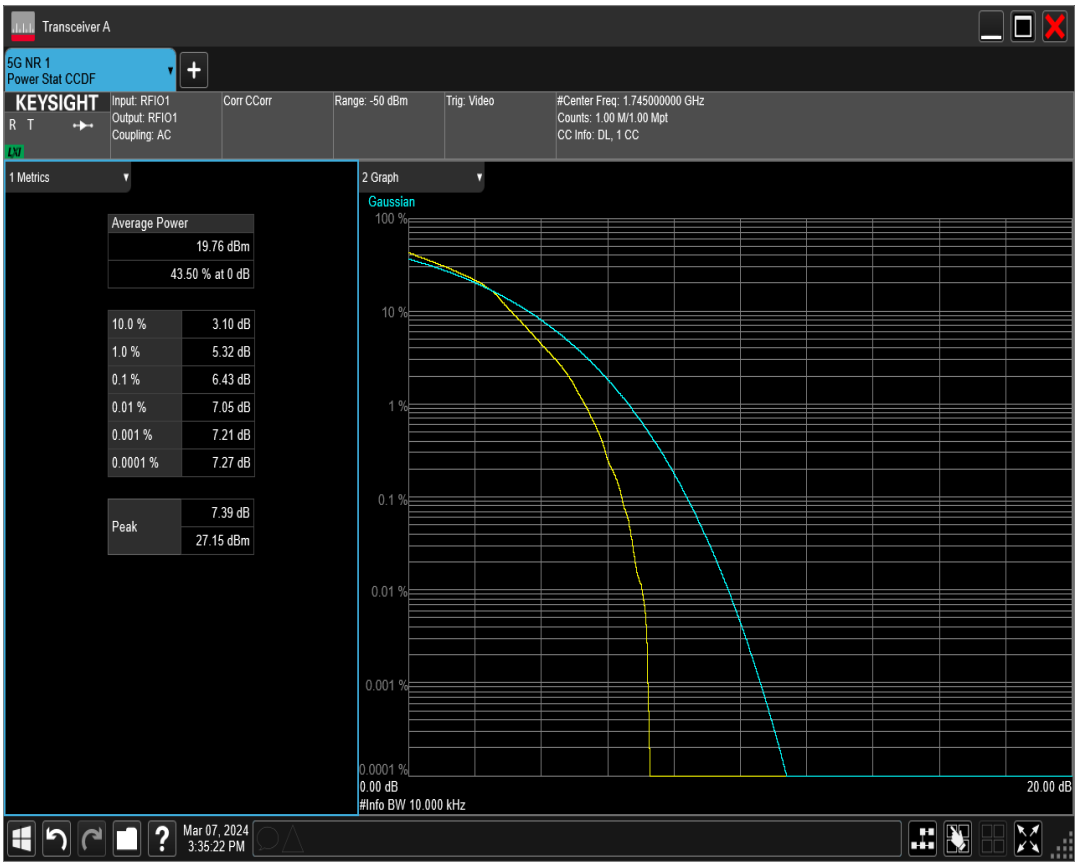

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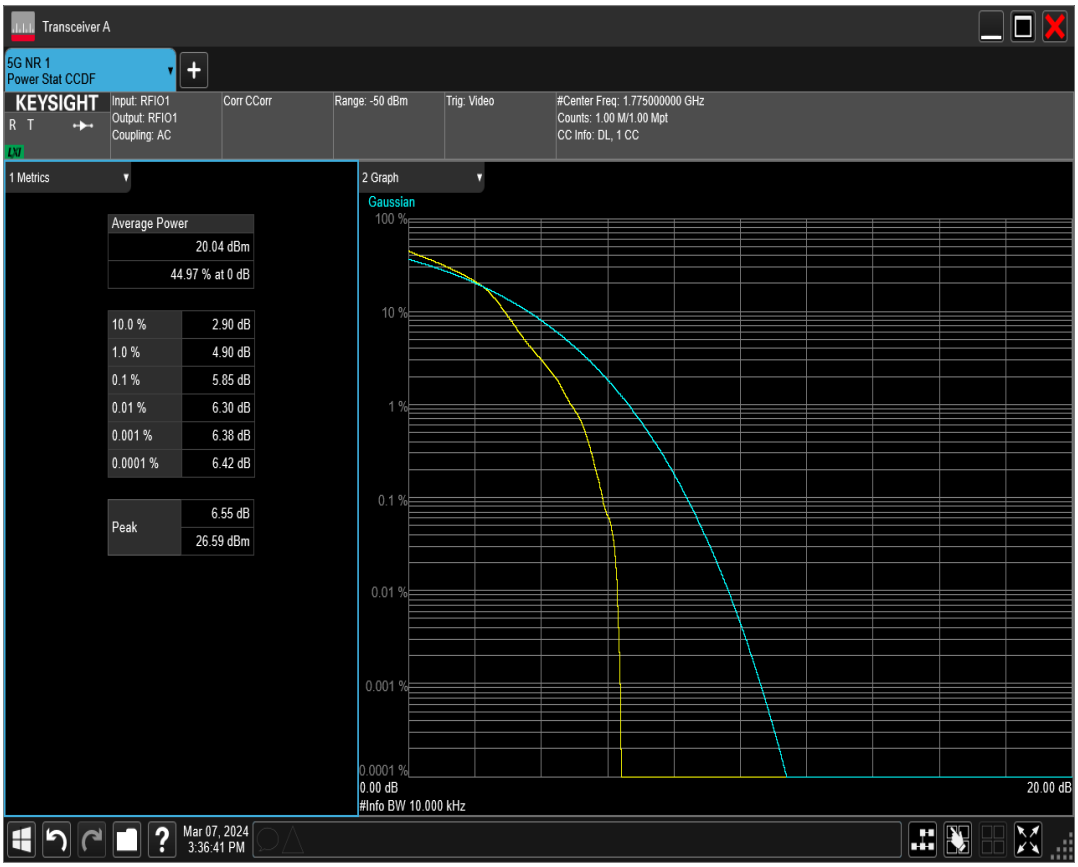

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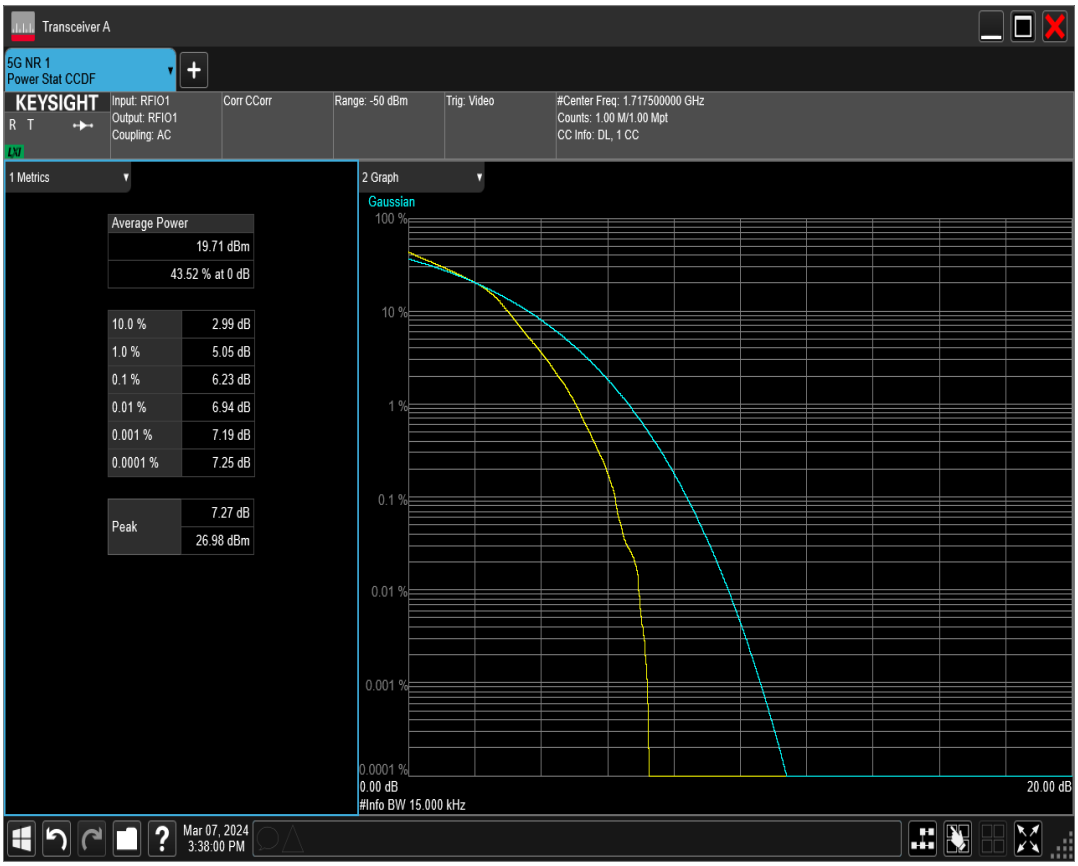

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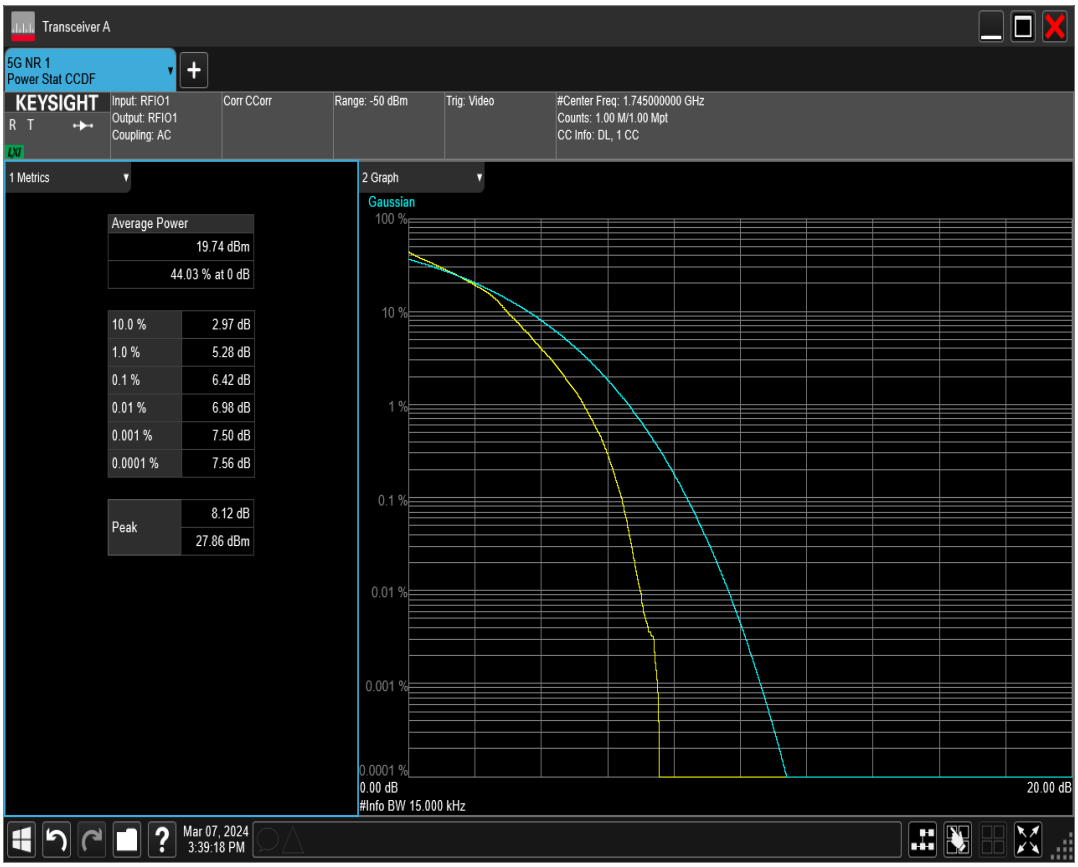

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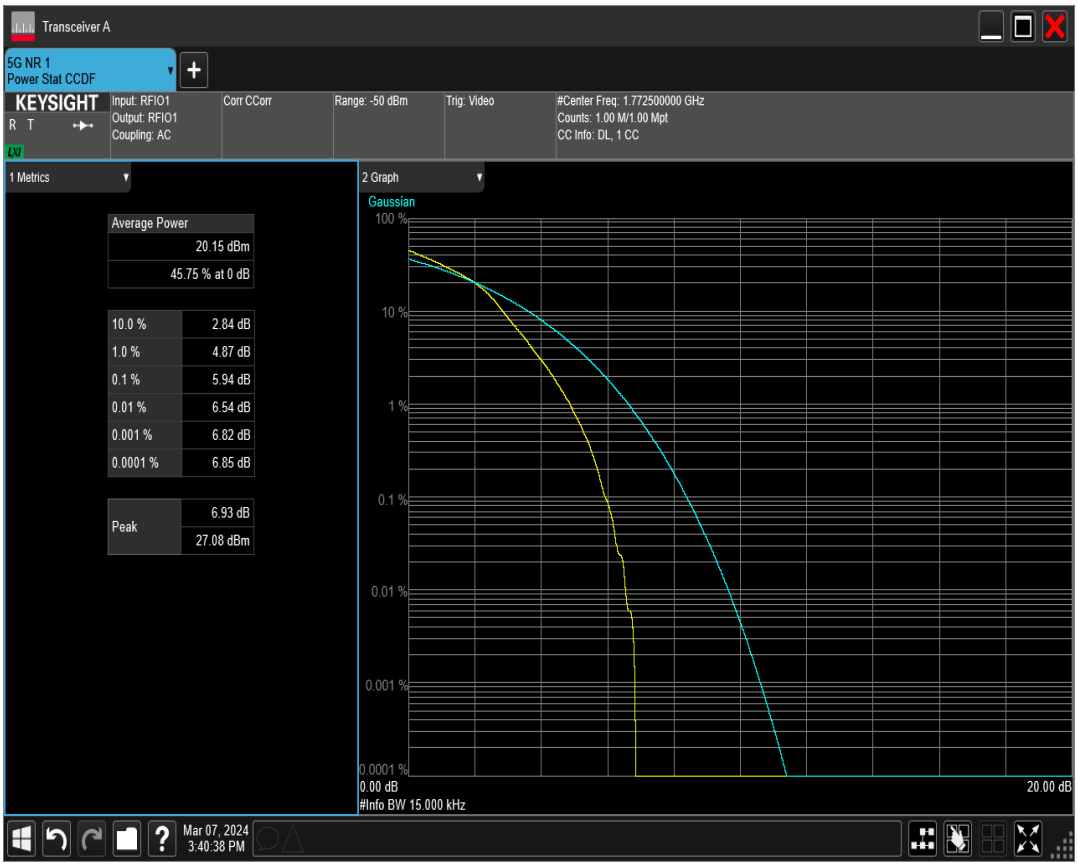

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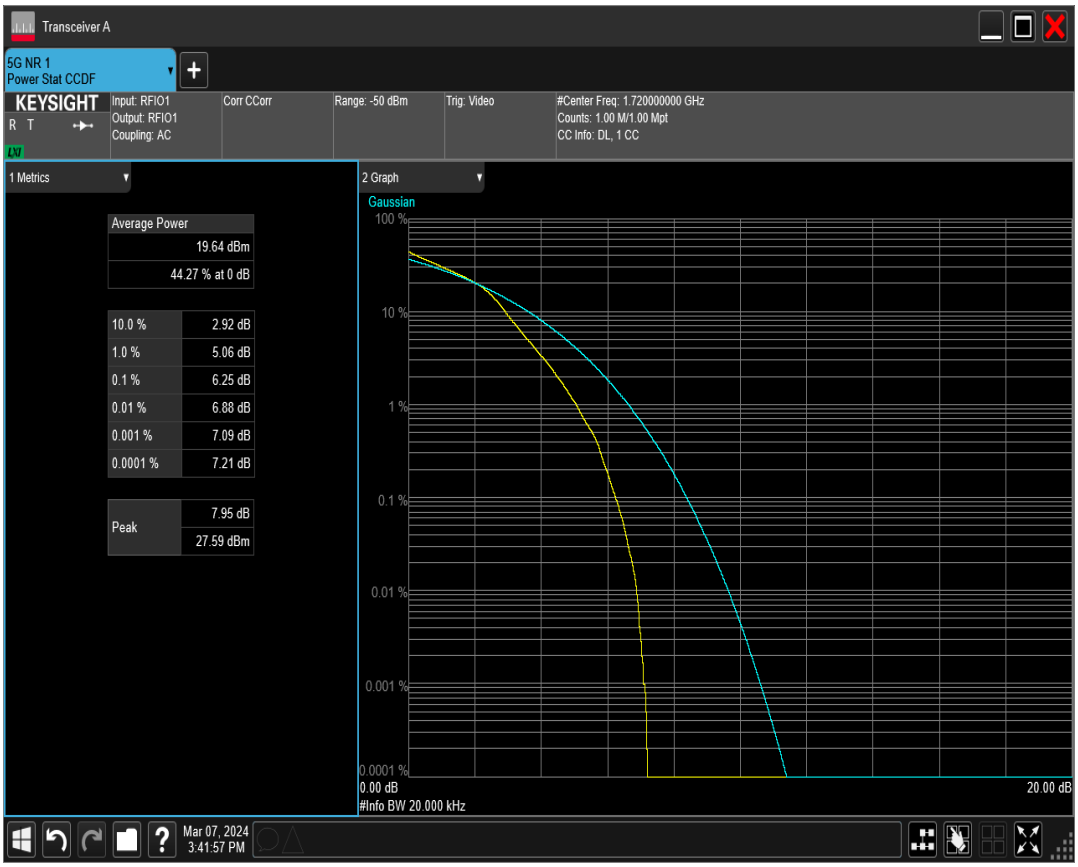

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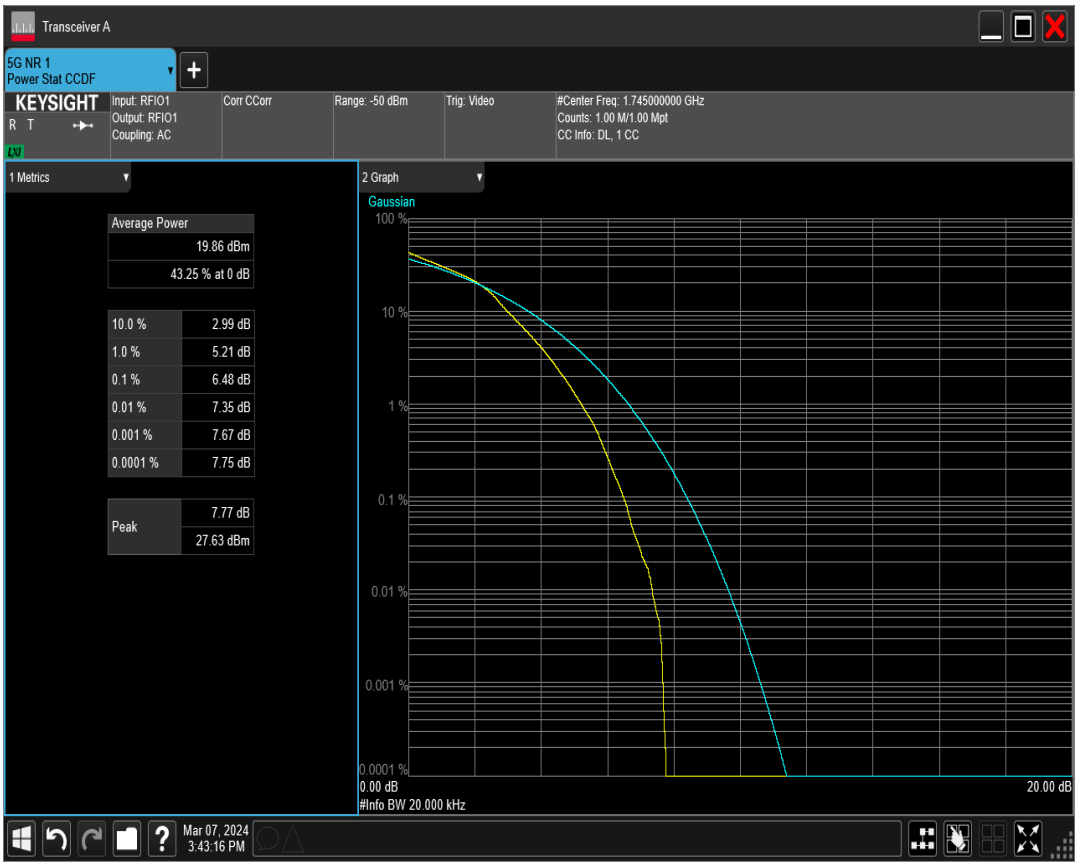

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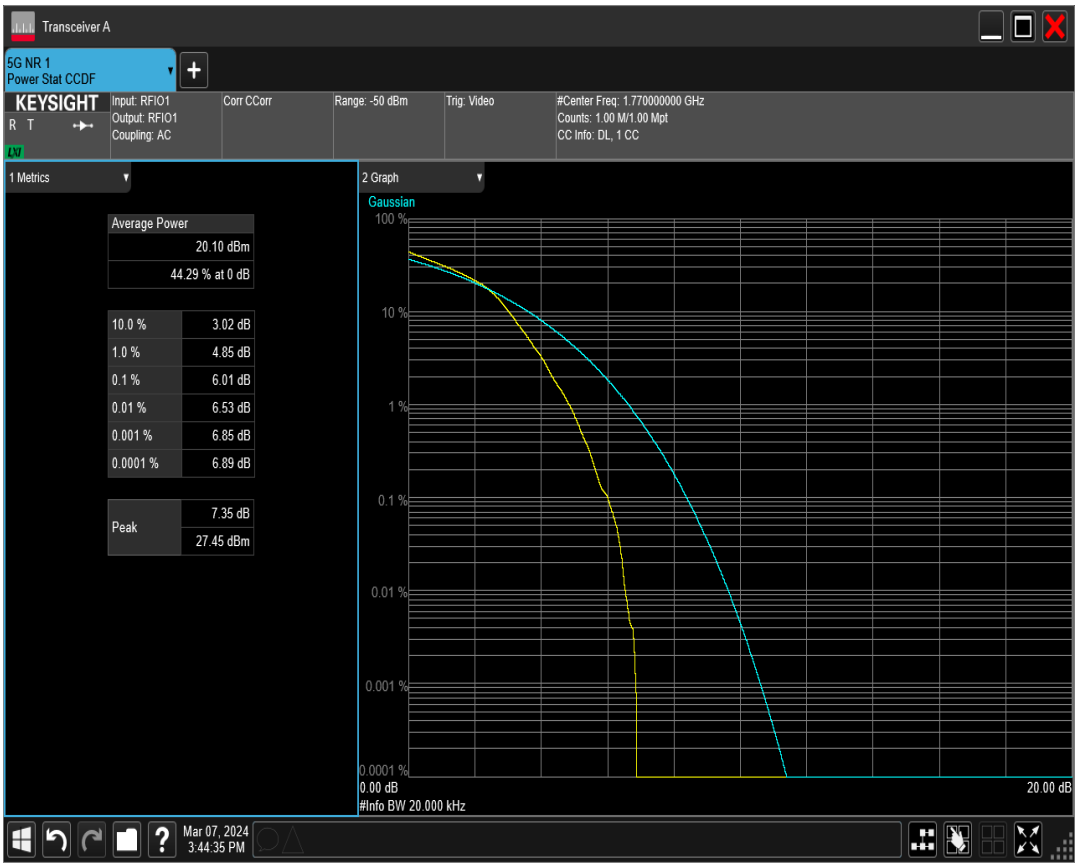

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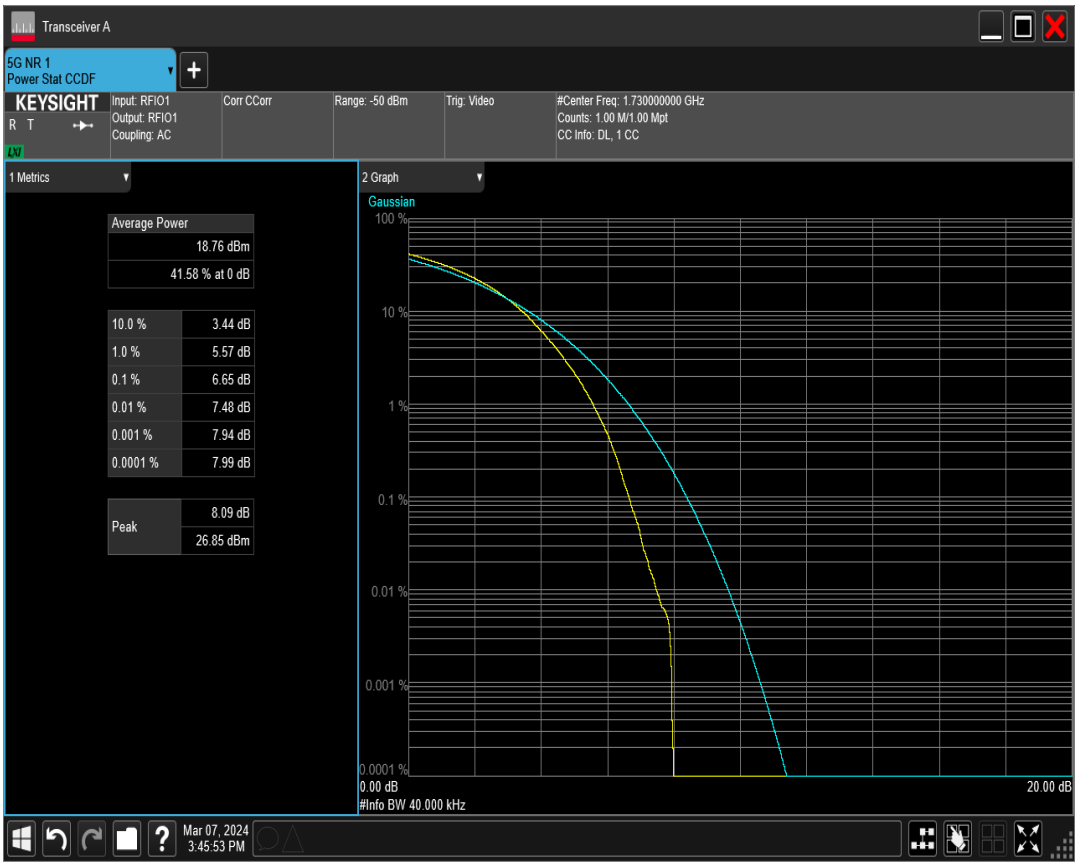

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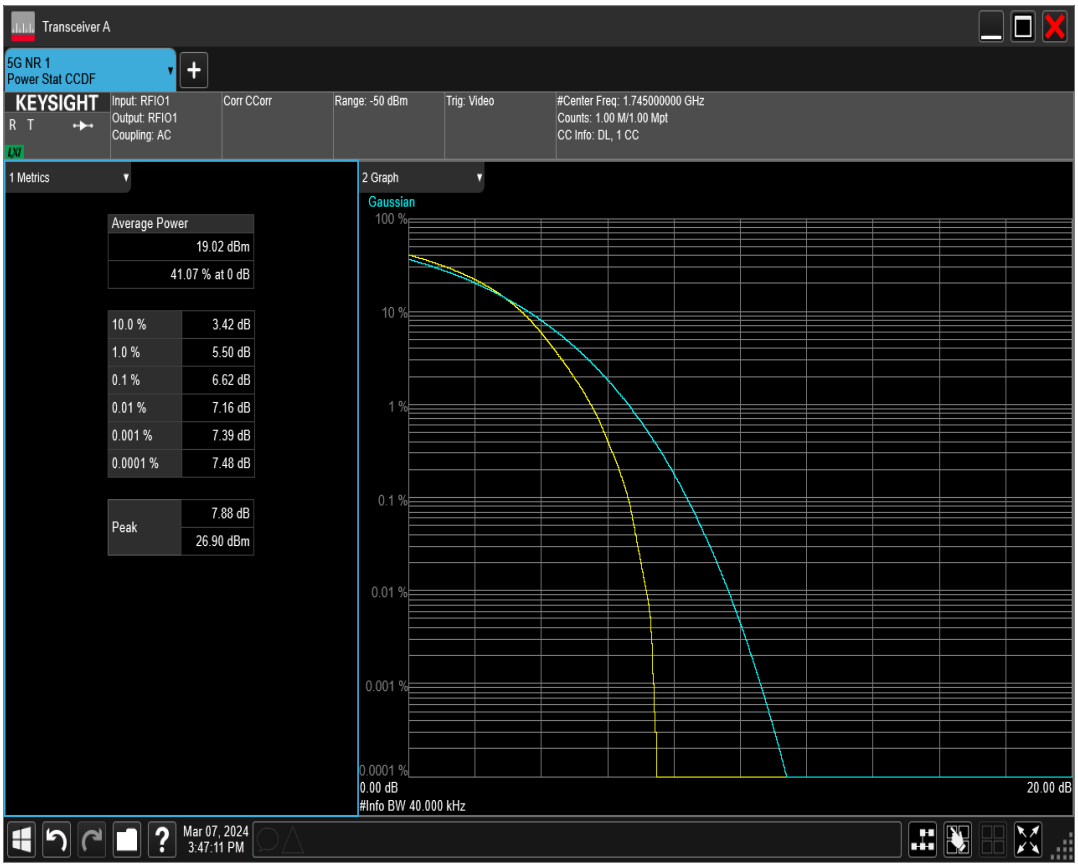

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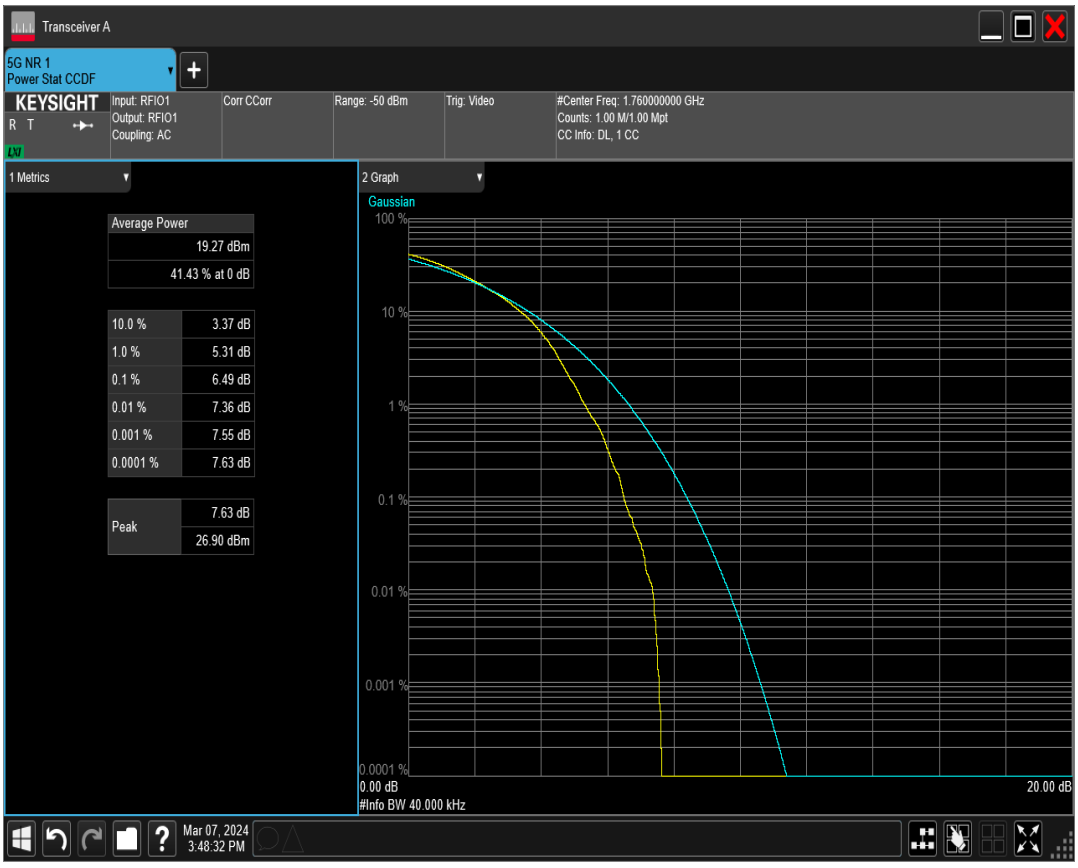

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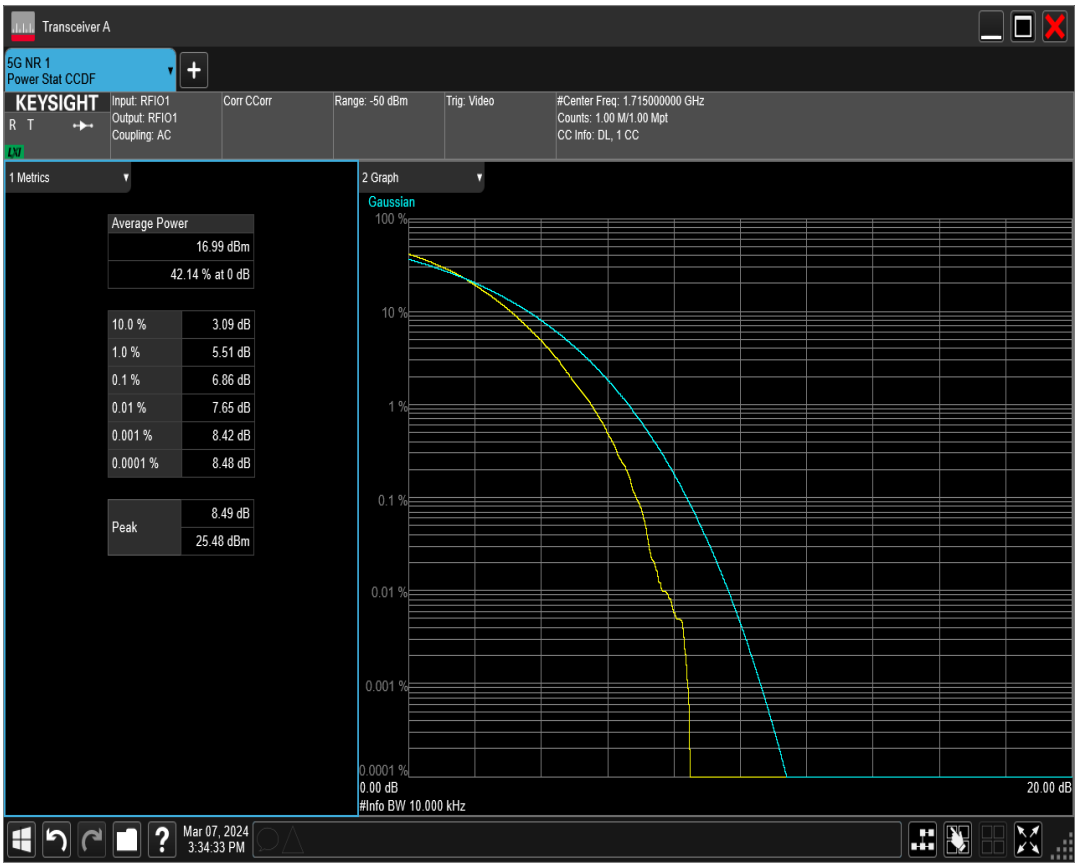

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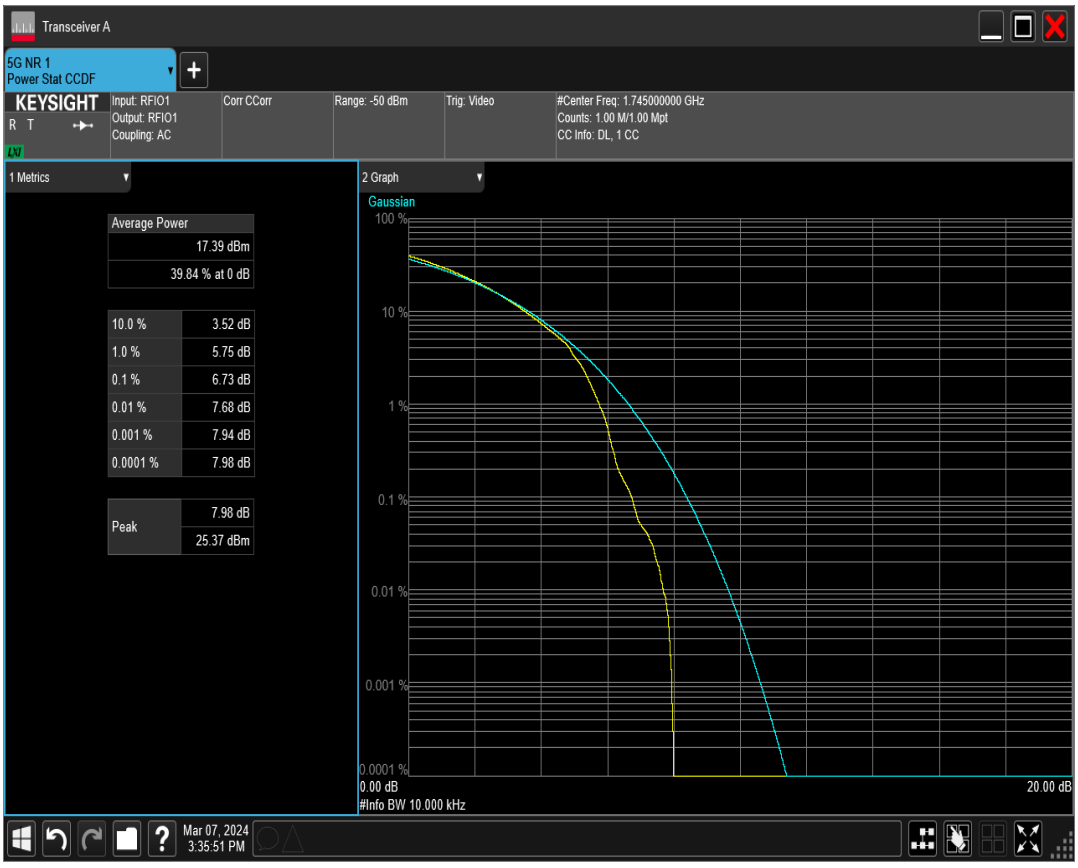

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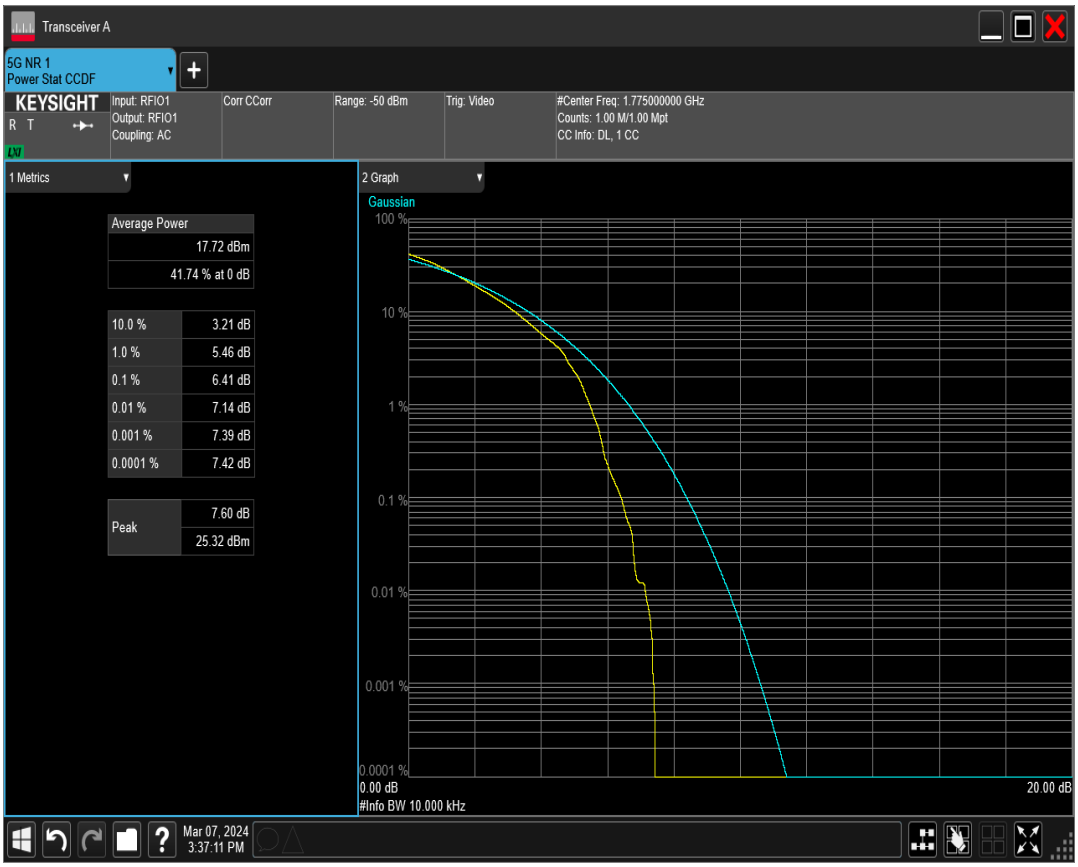

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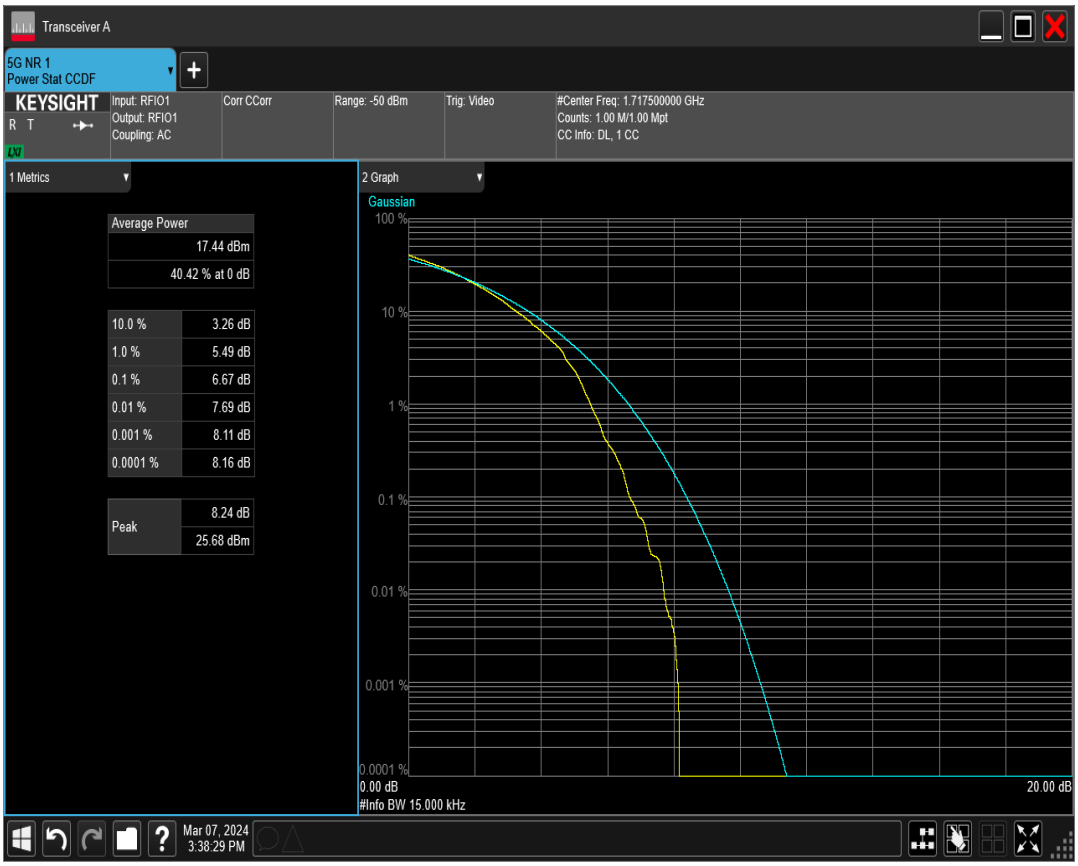

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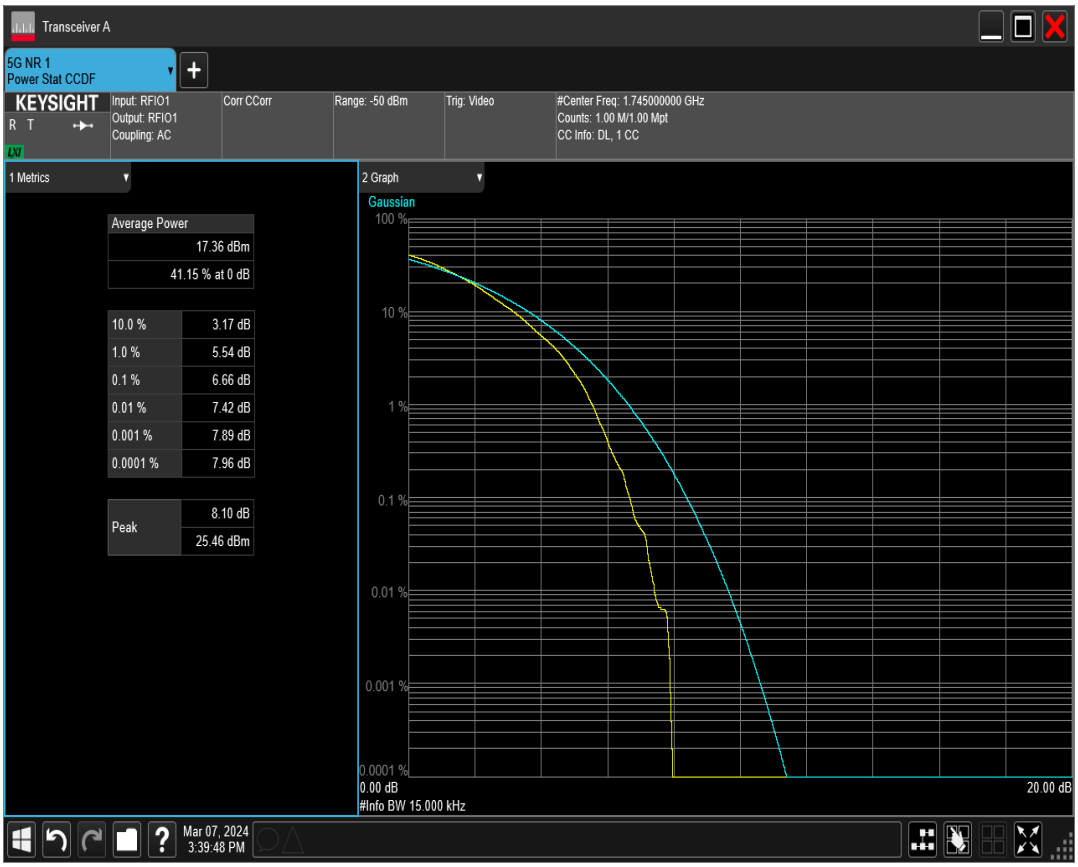

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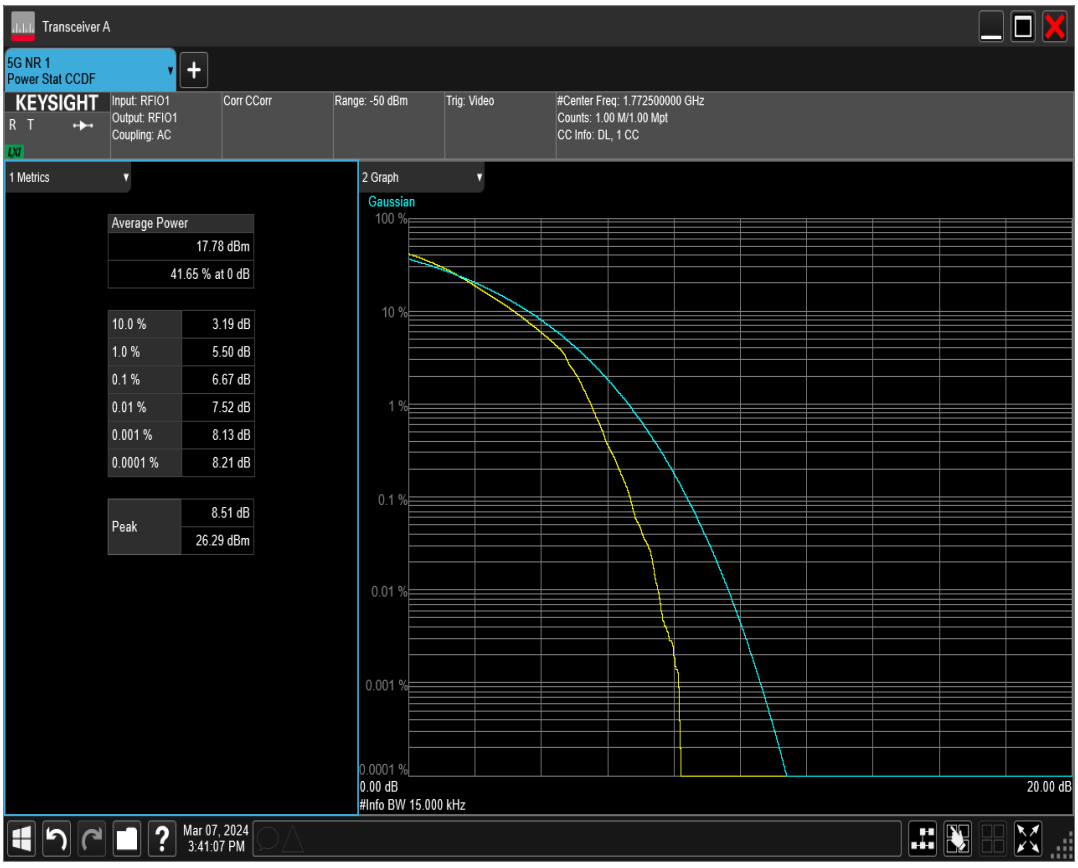

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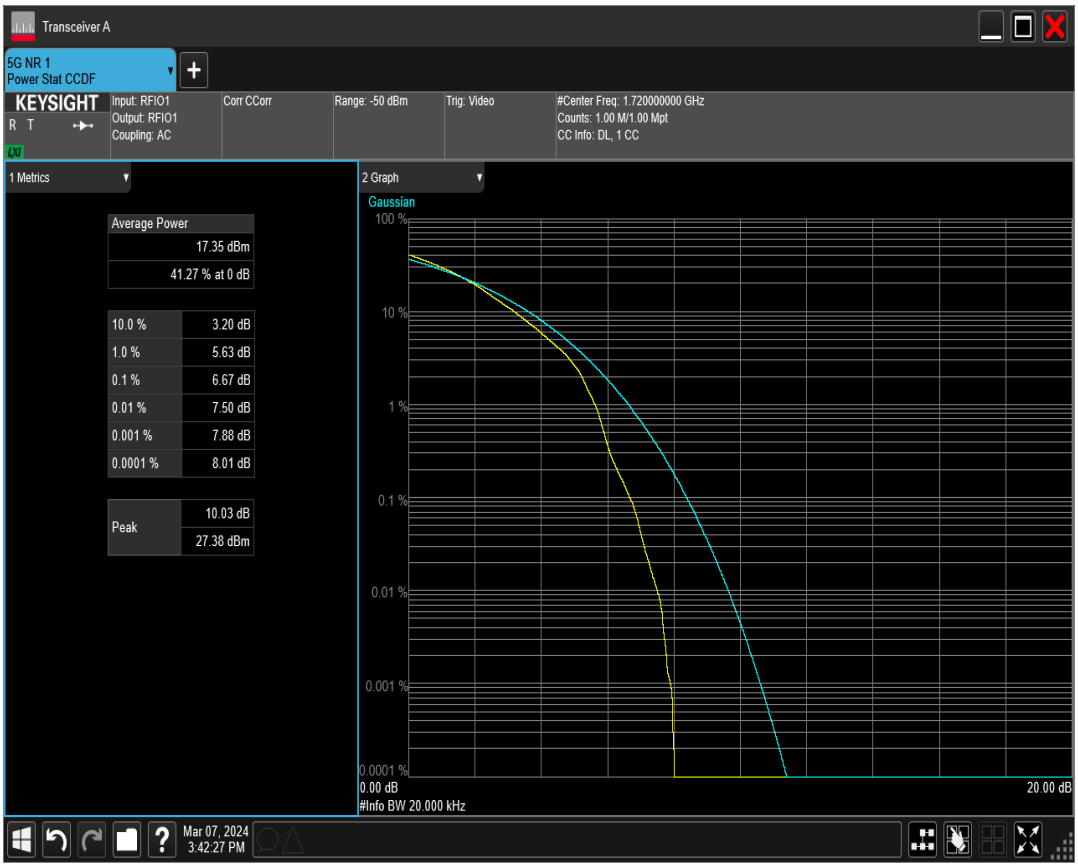

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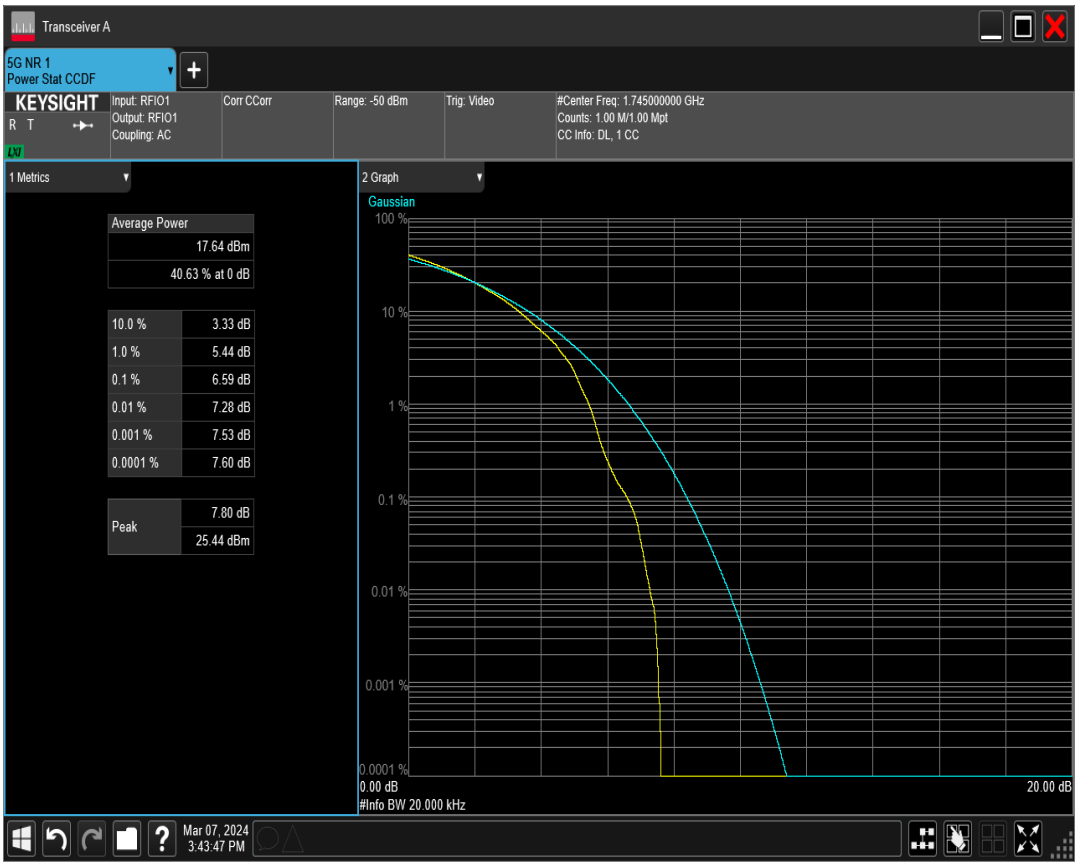

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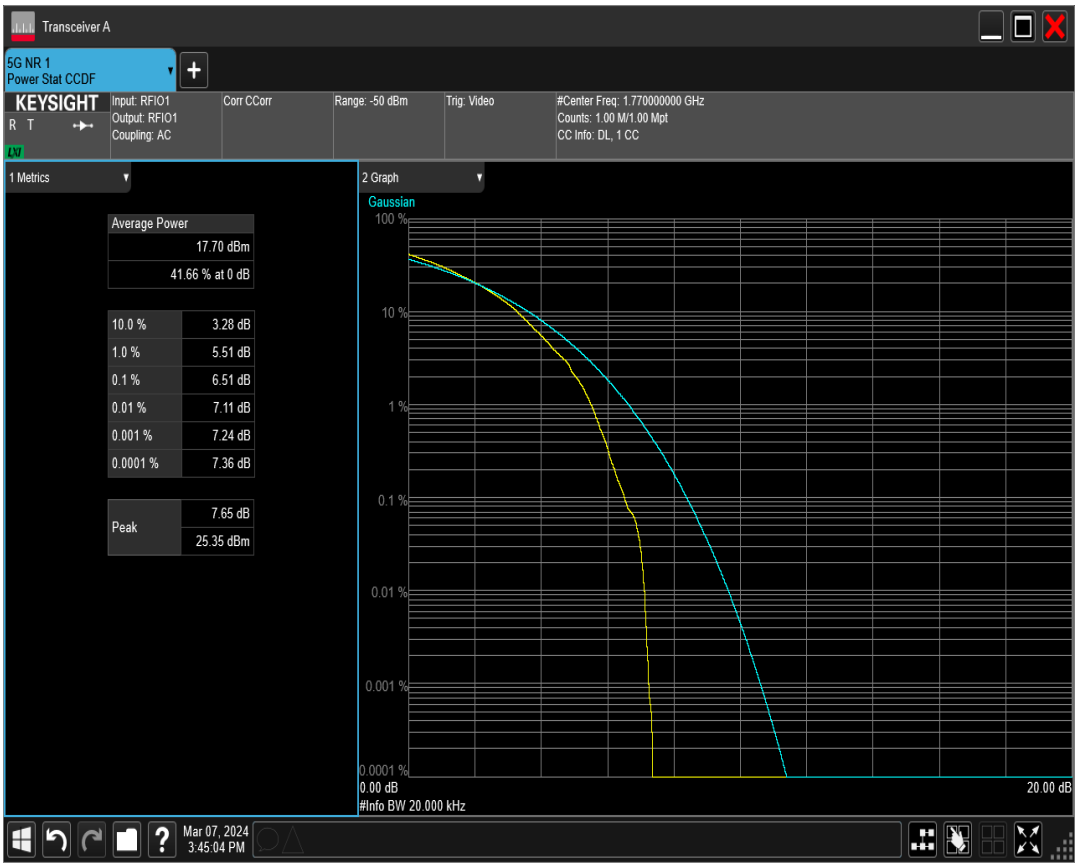

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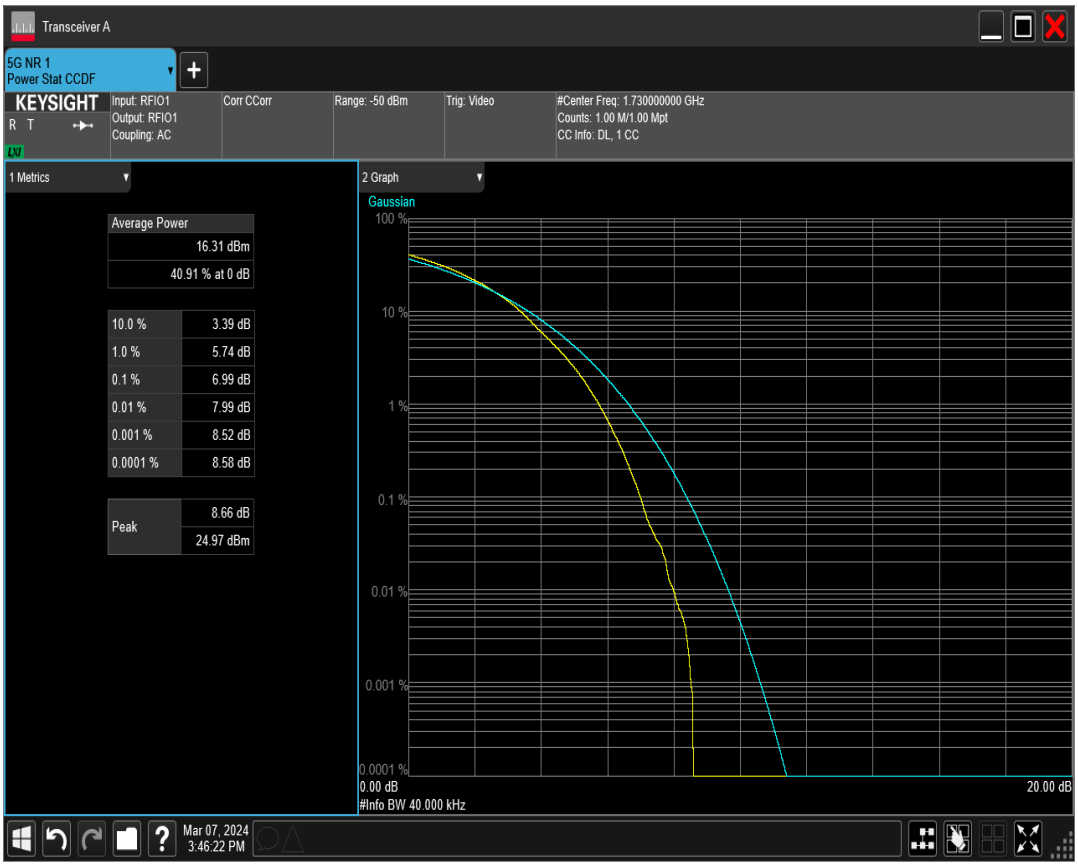

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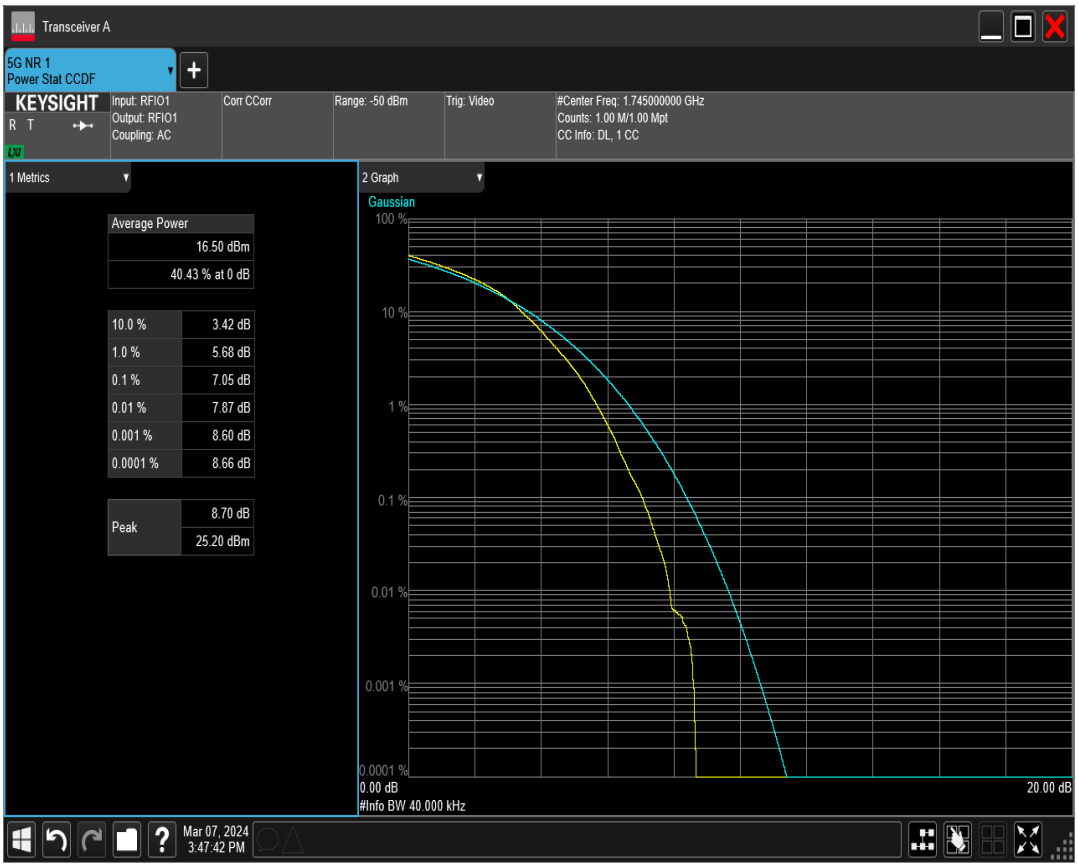

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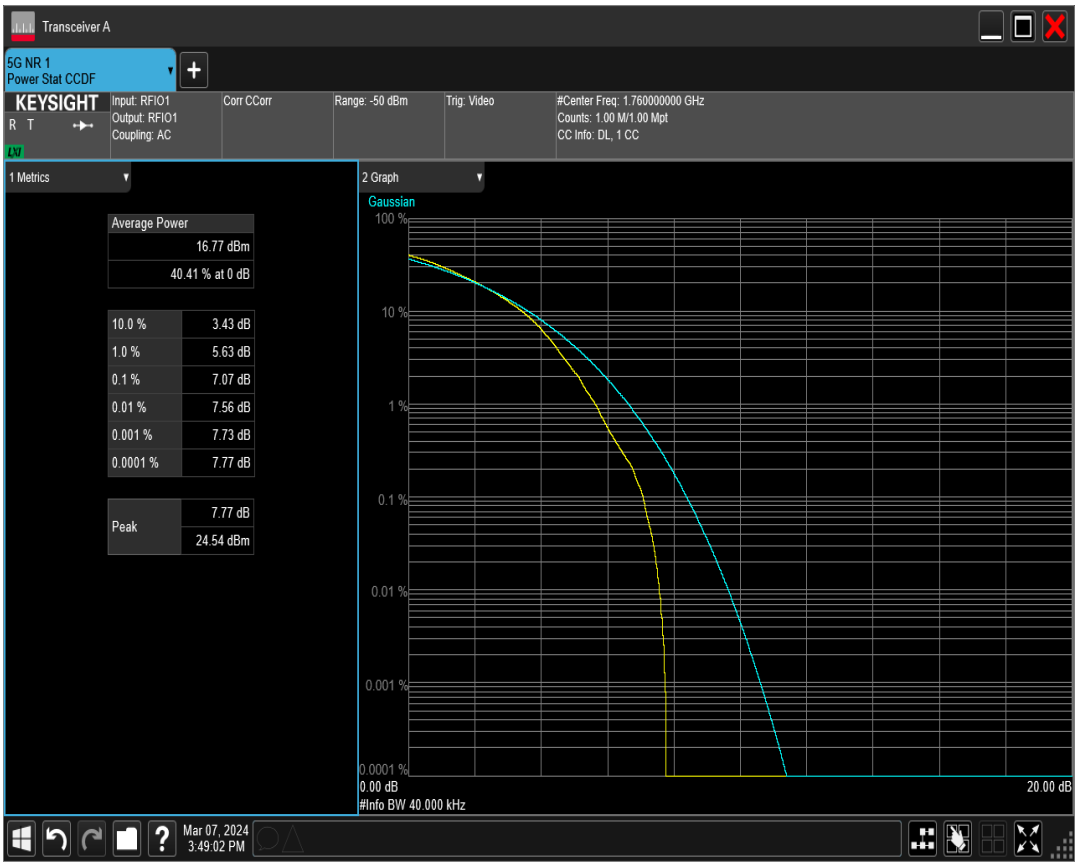

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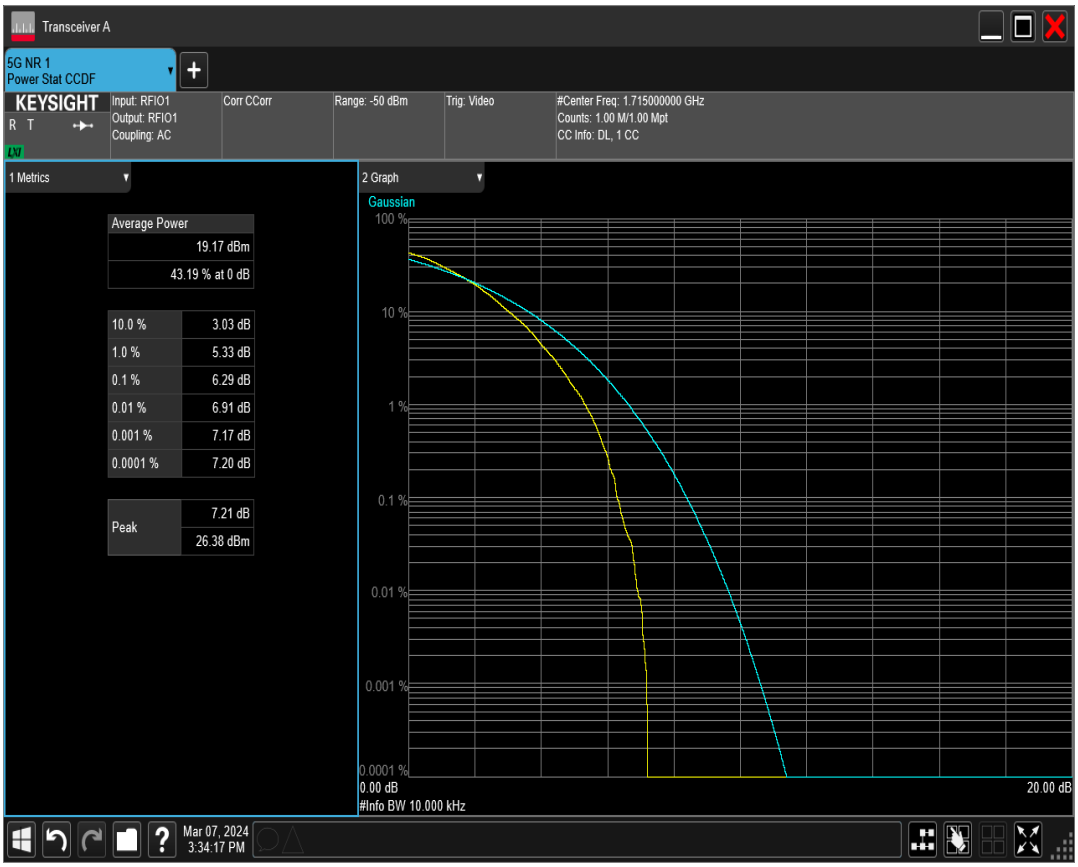

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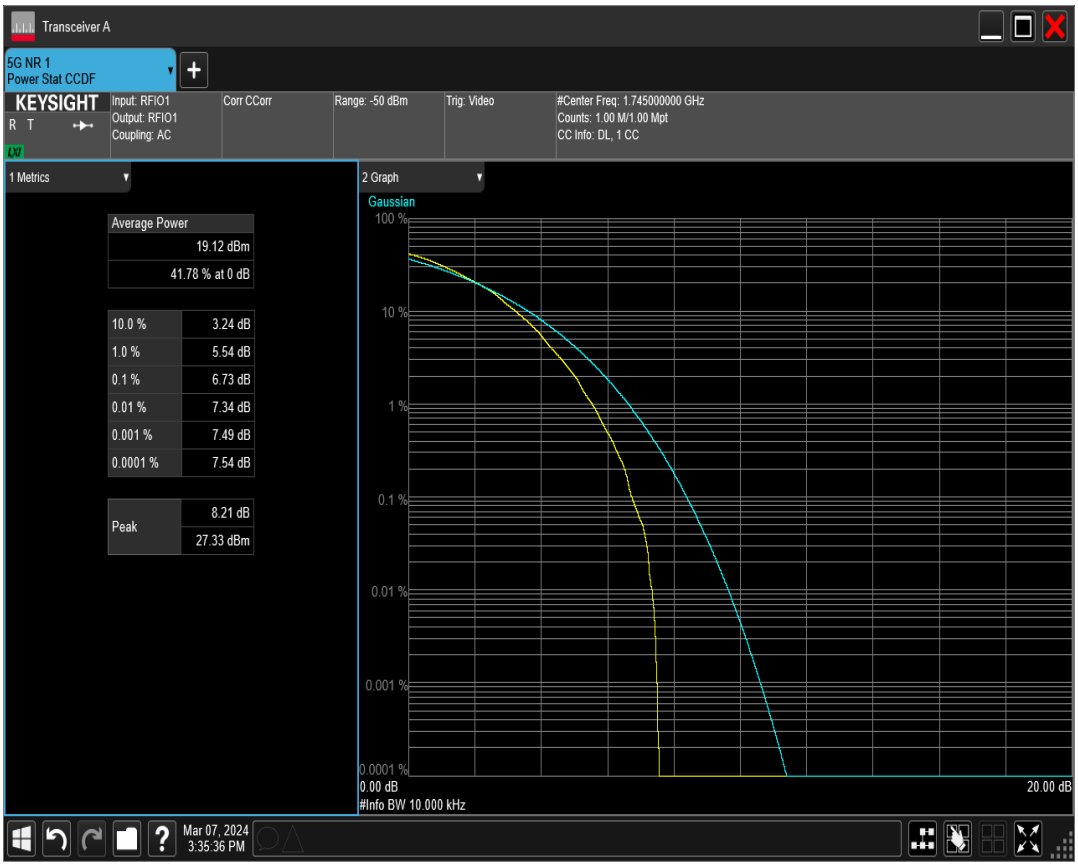

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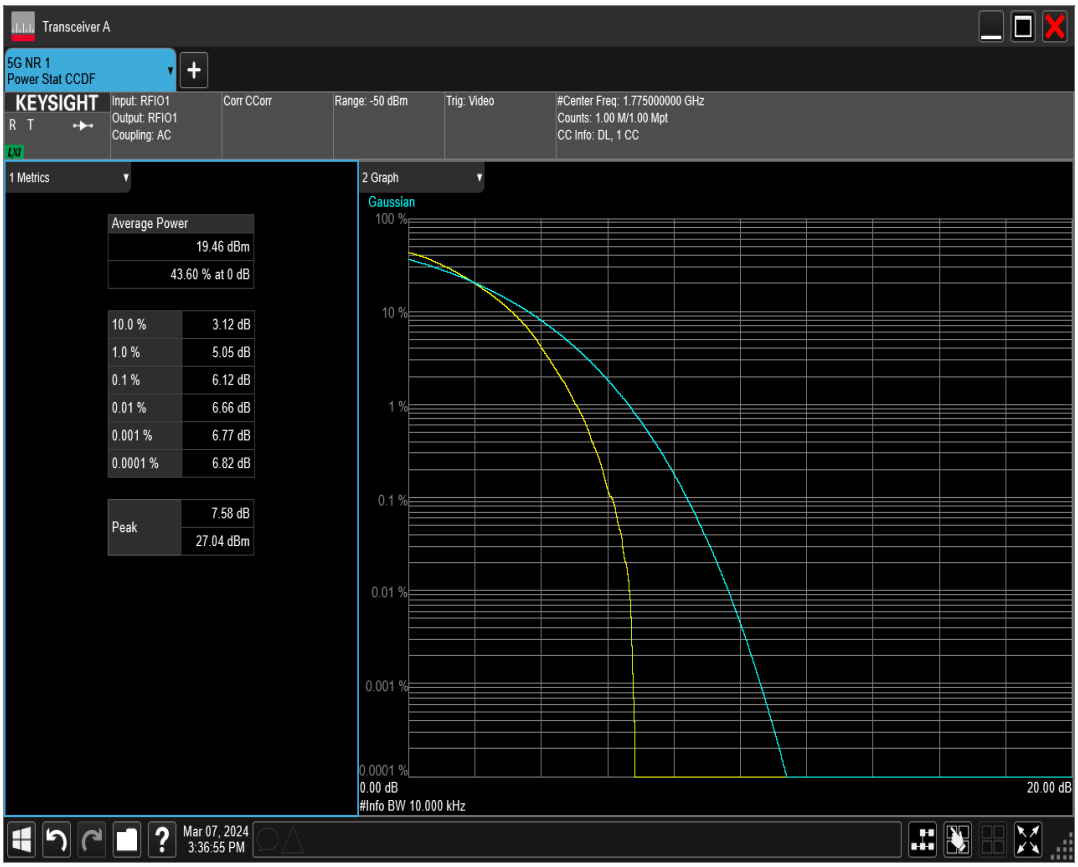

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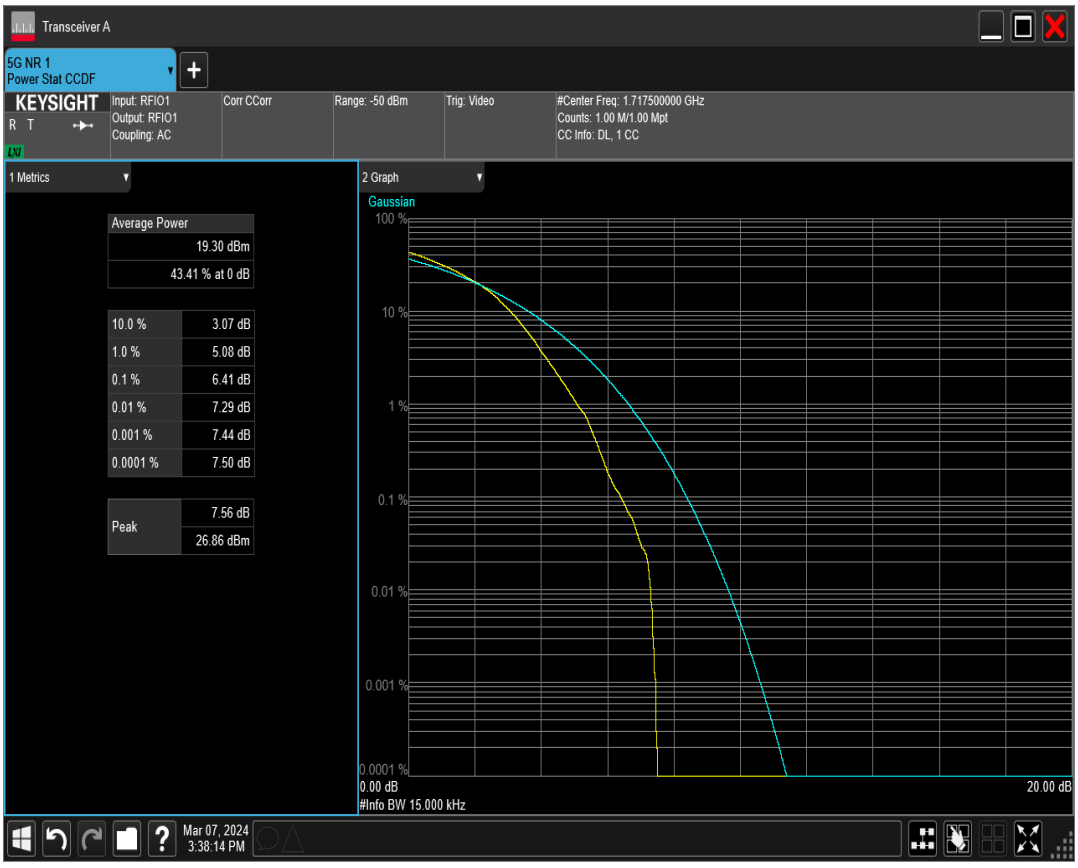

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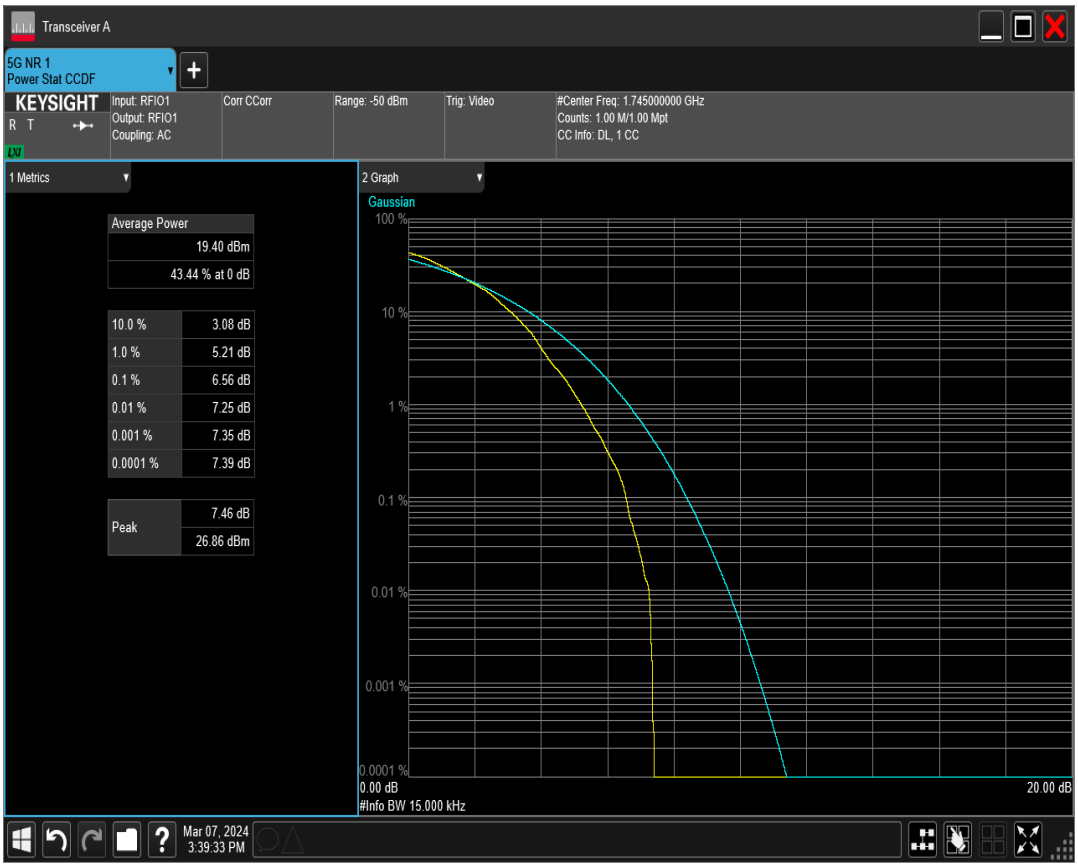

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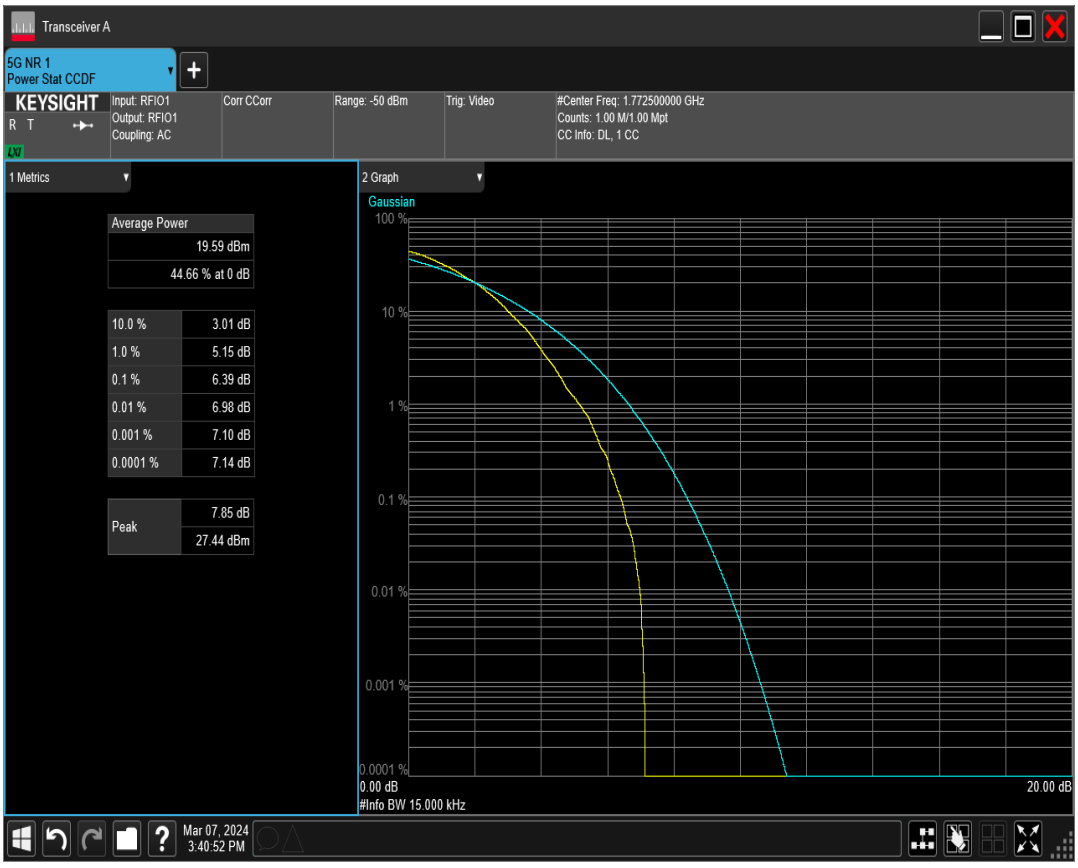

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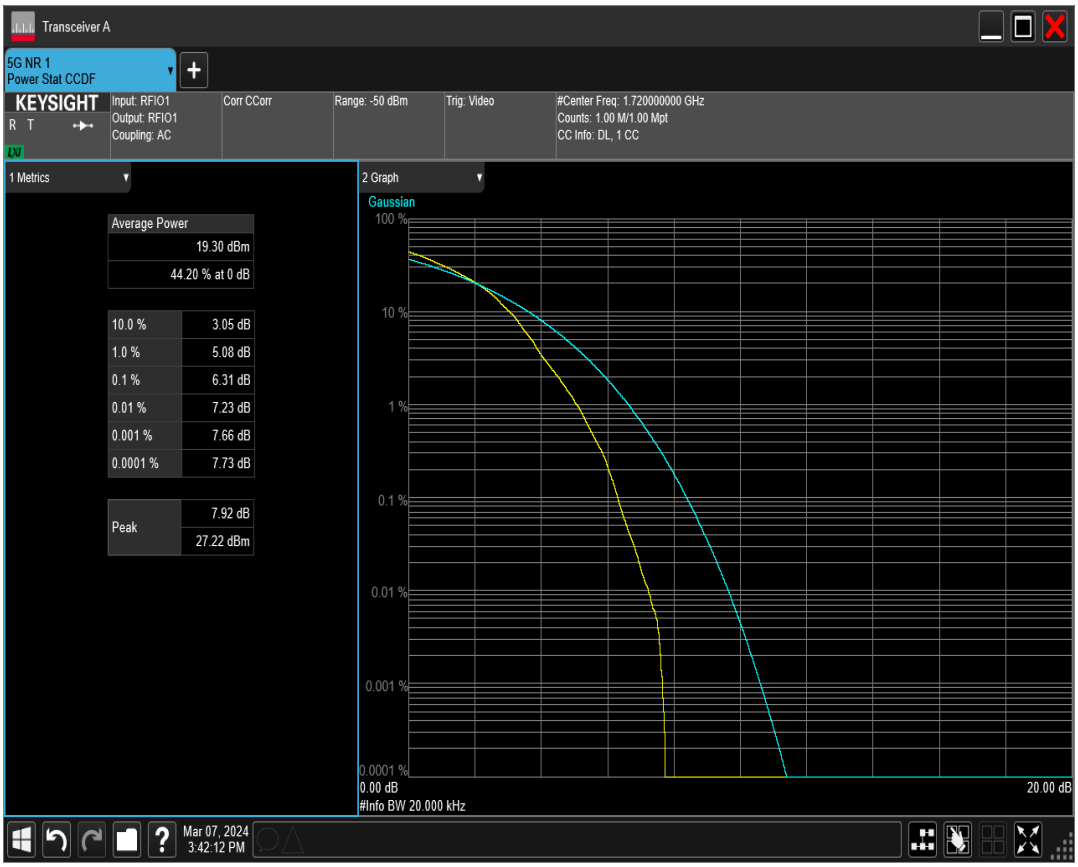

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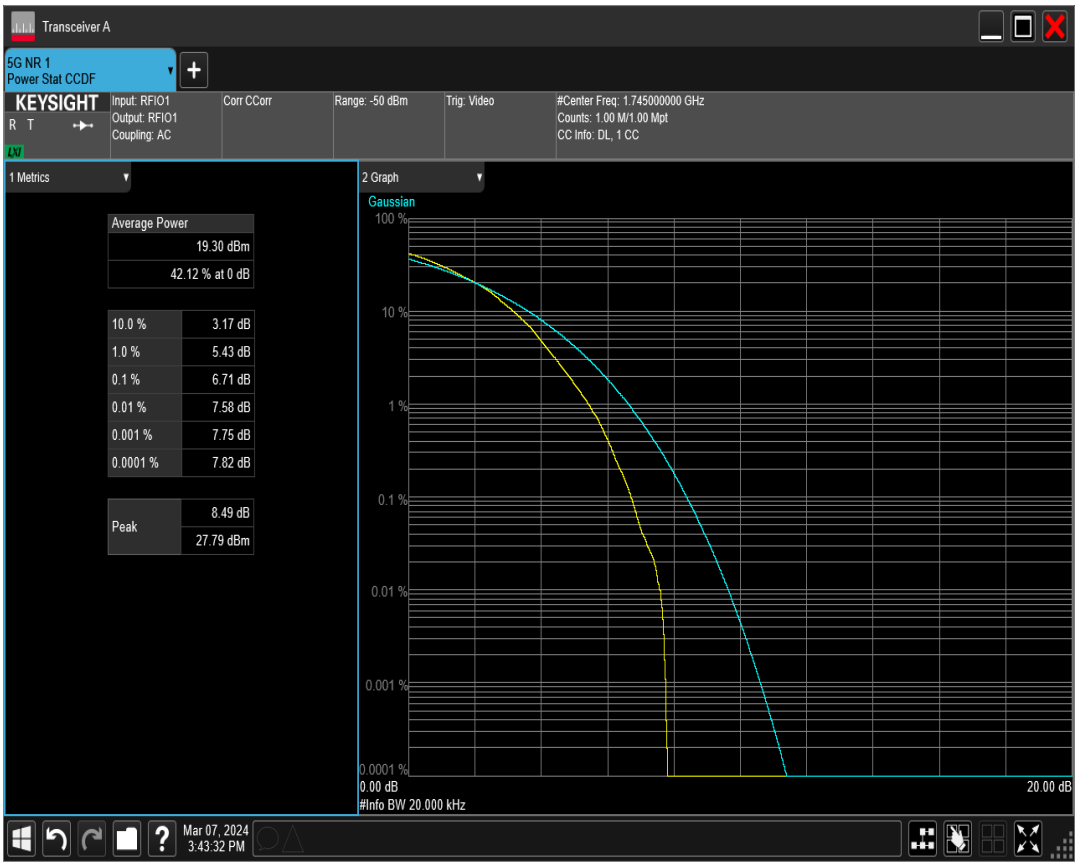

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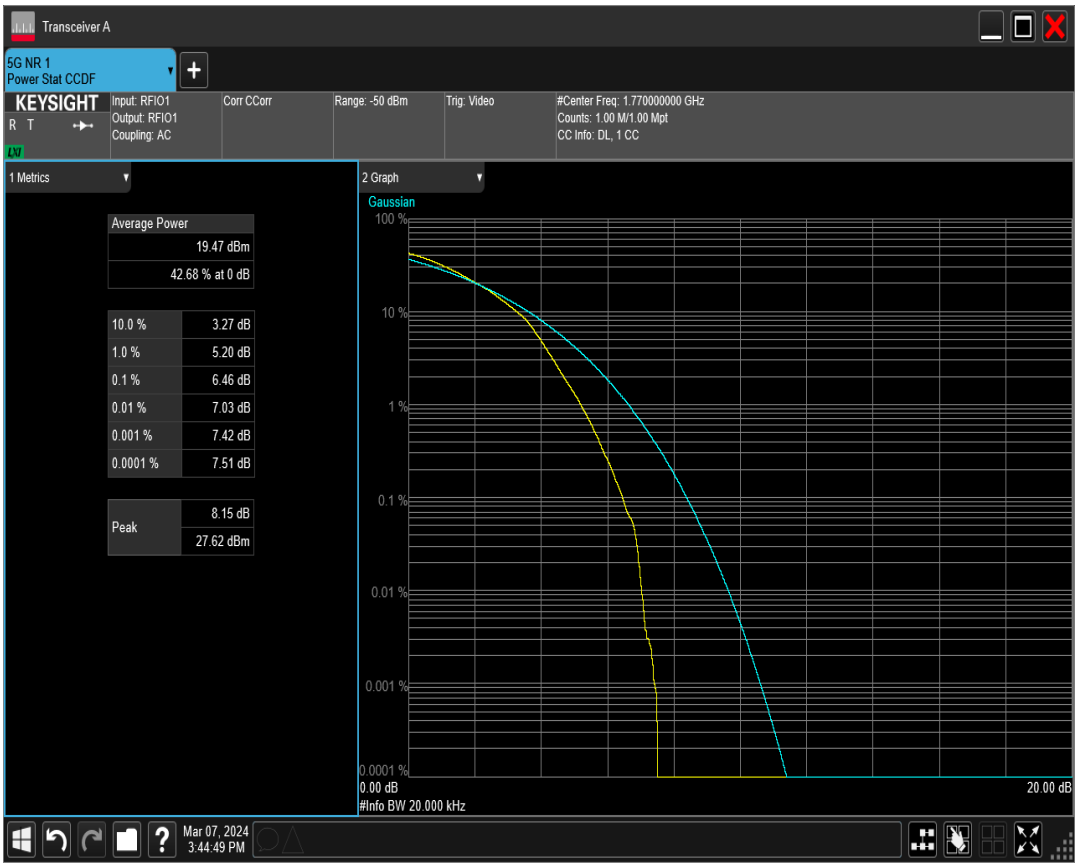

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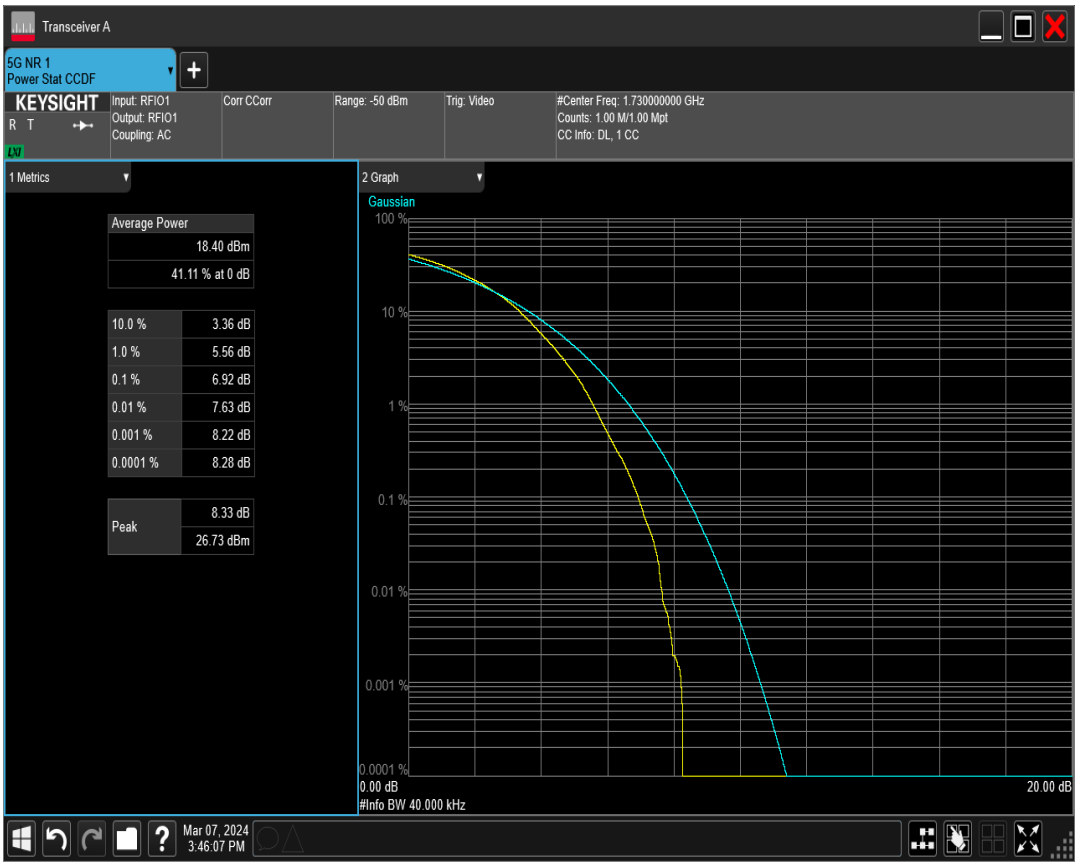

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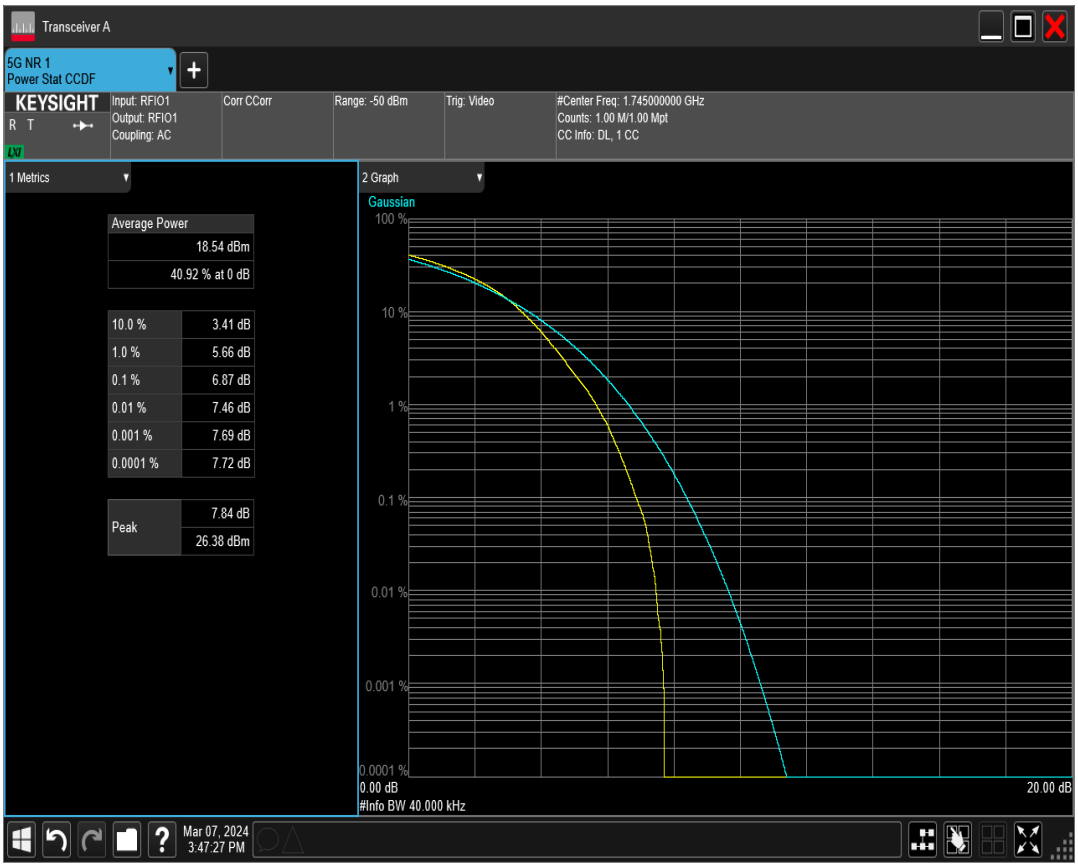

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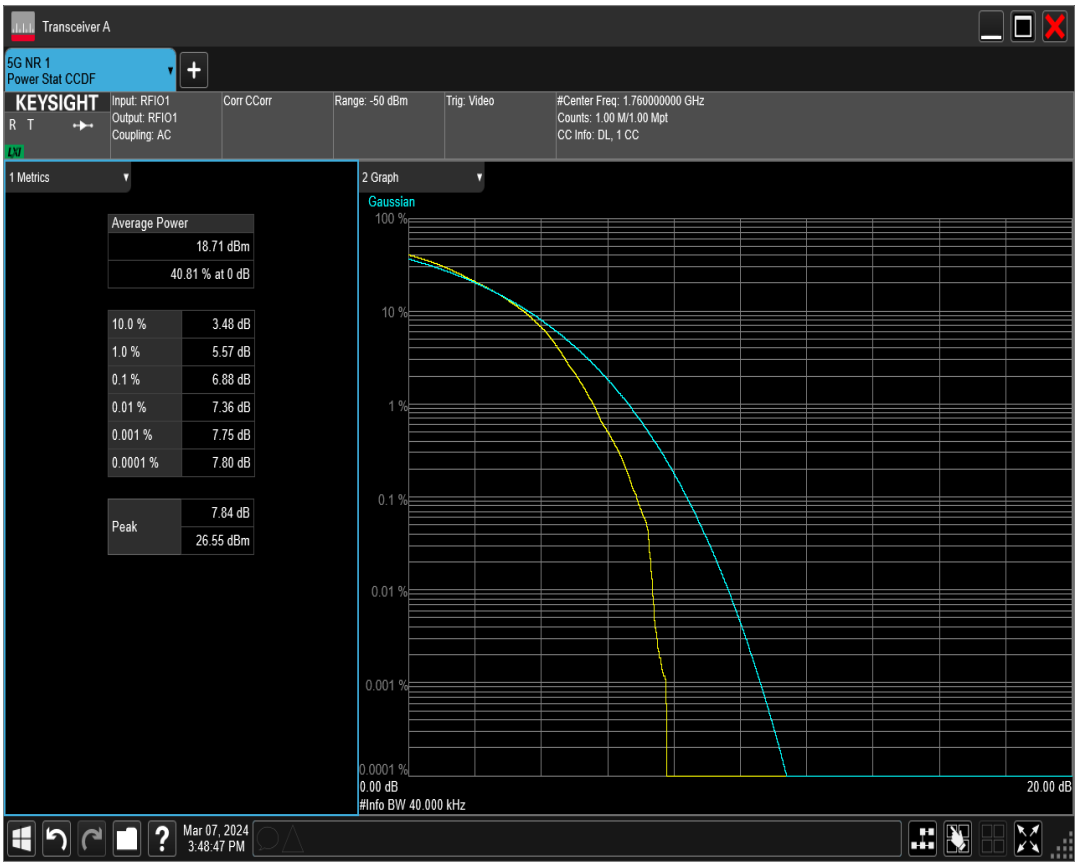

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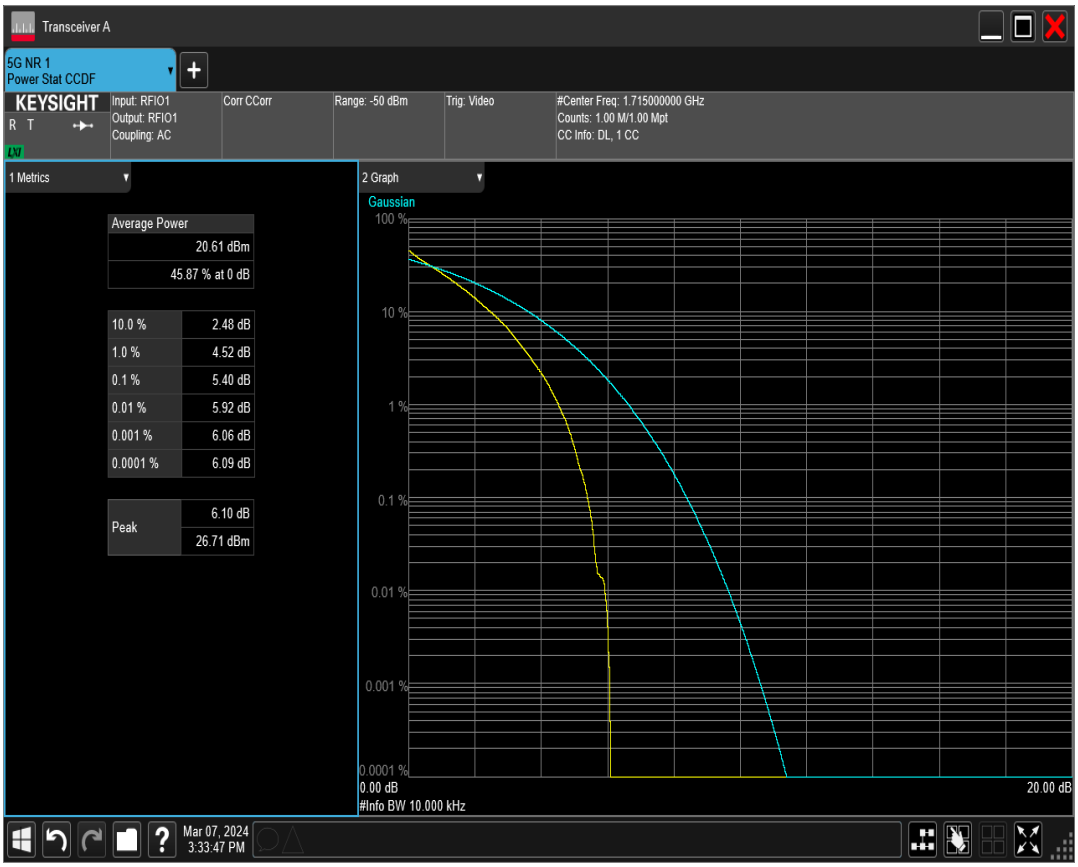
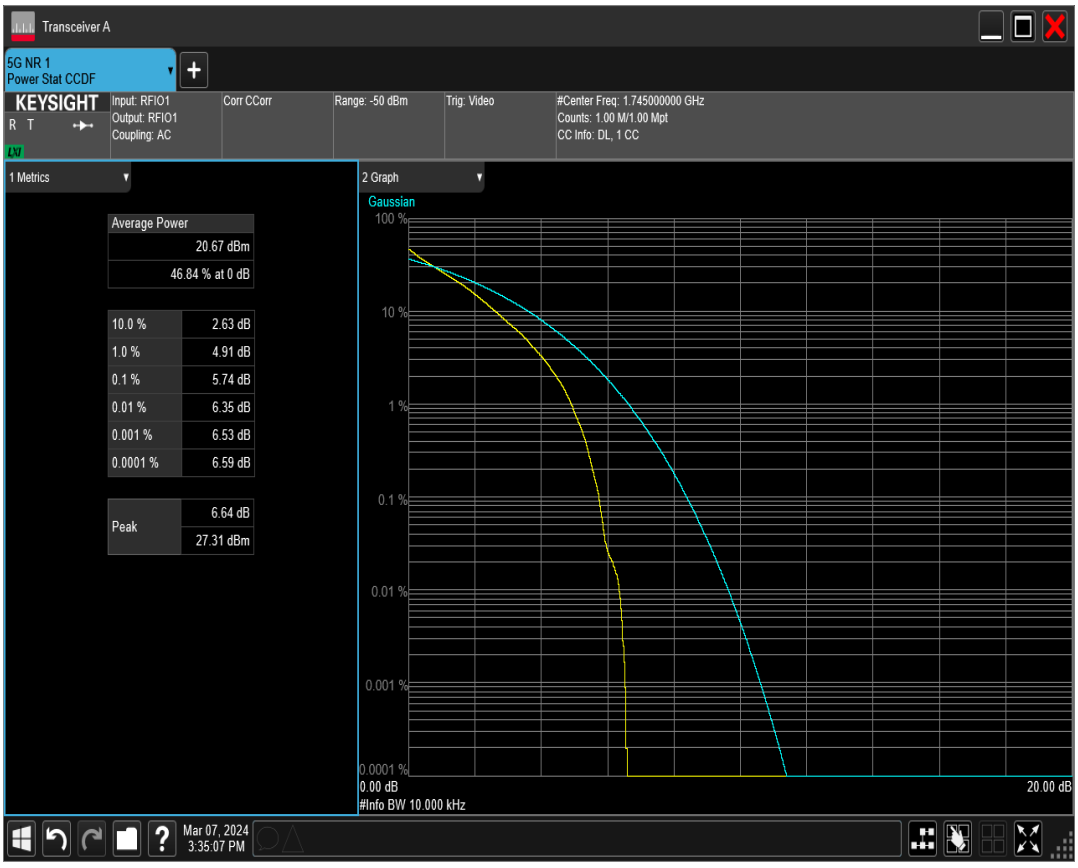
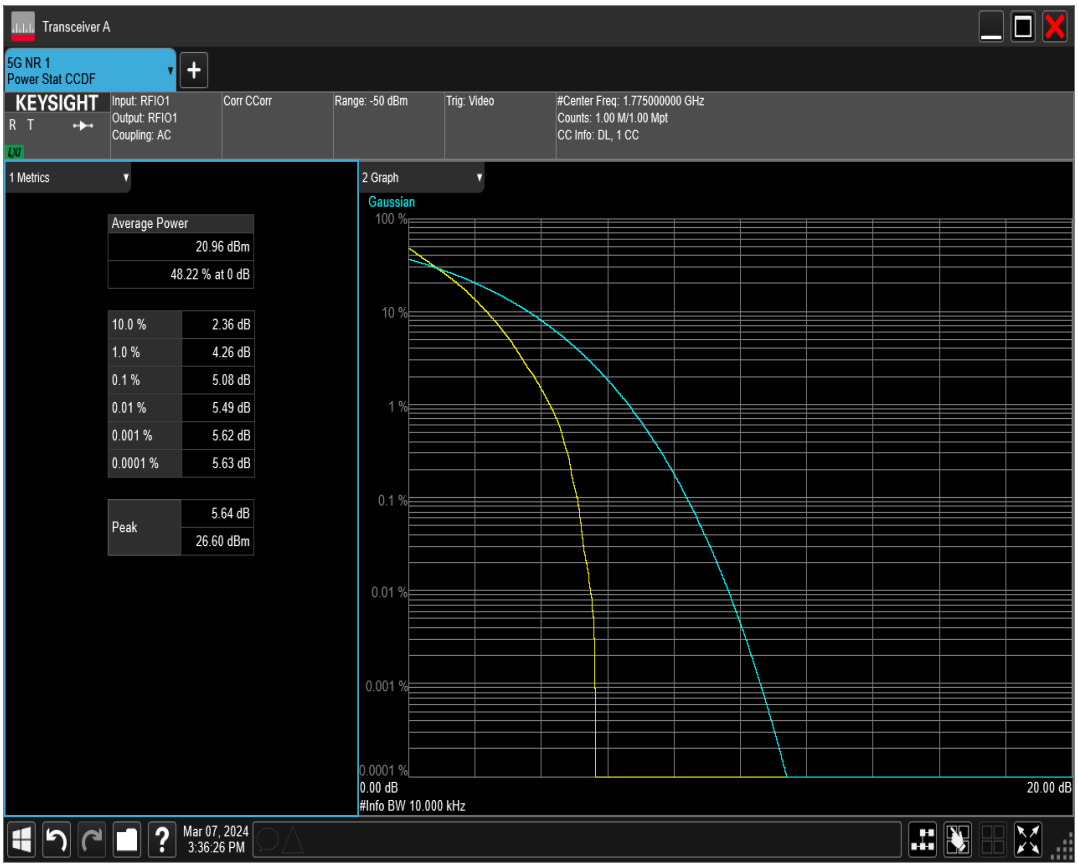


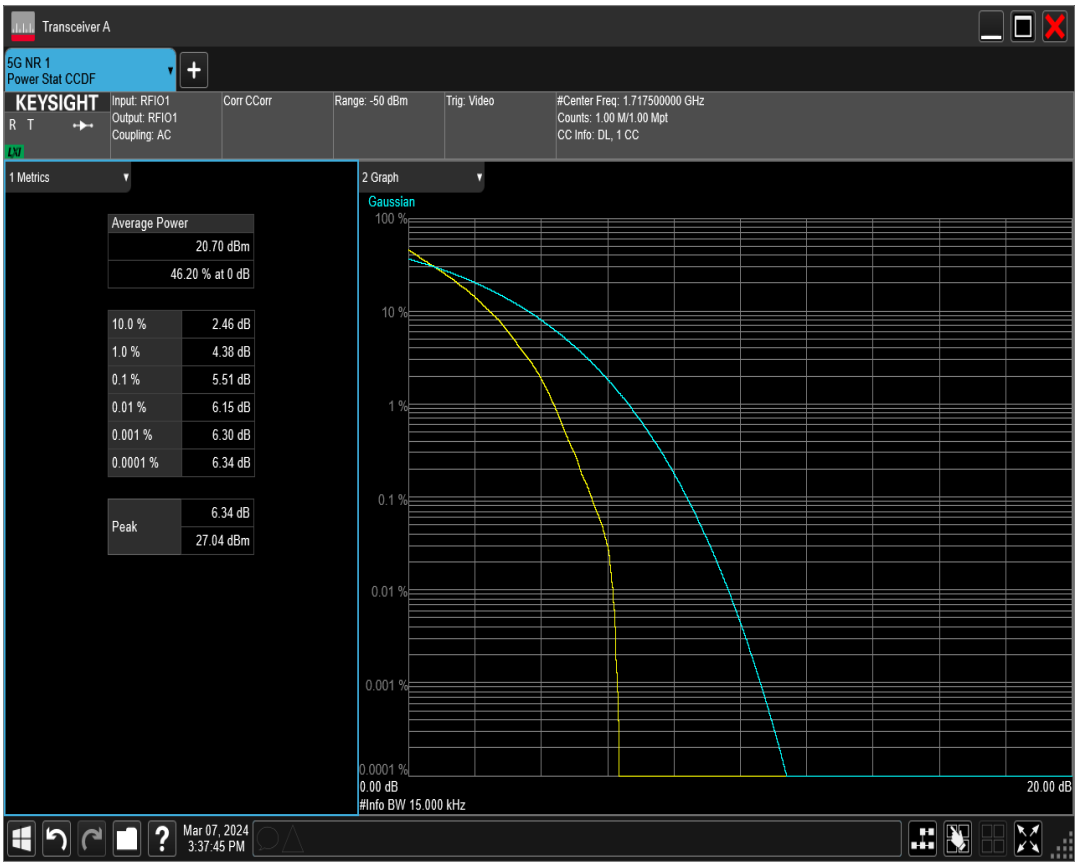
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=24@0



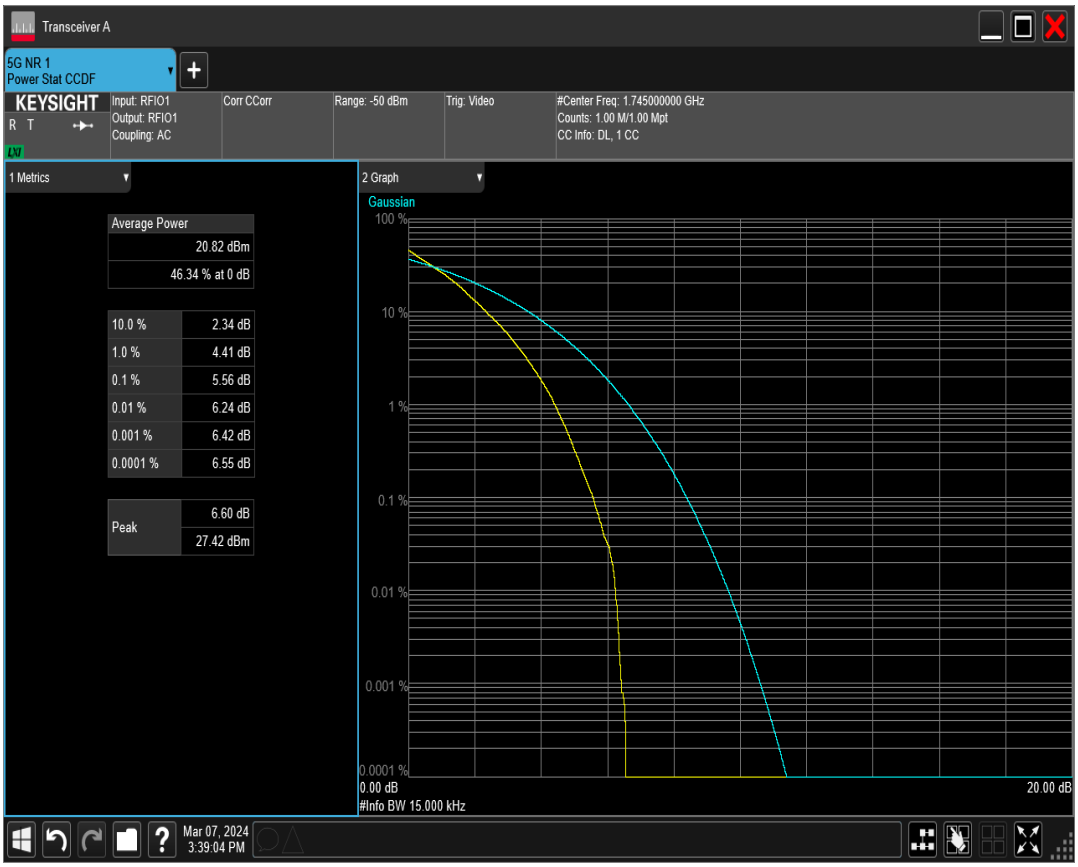
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=24@0



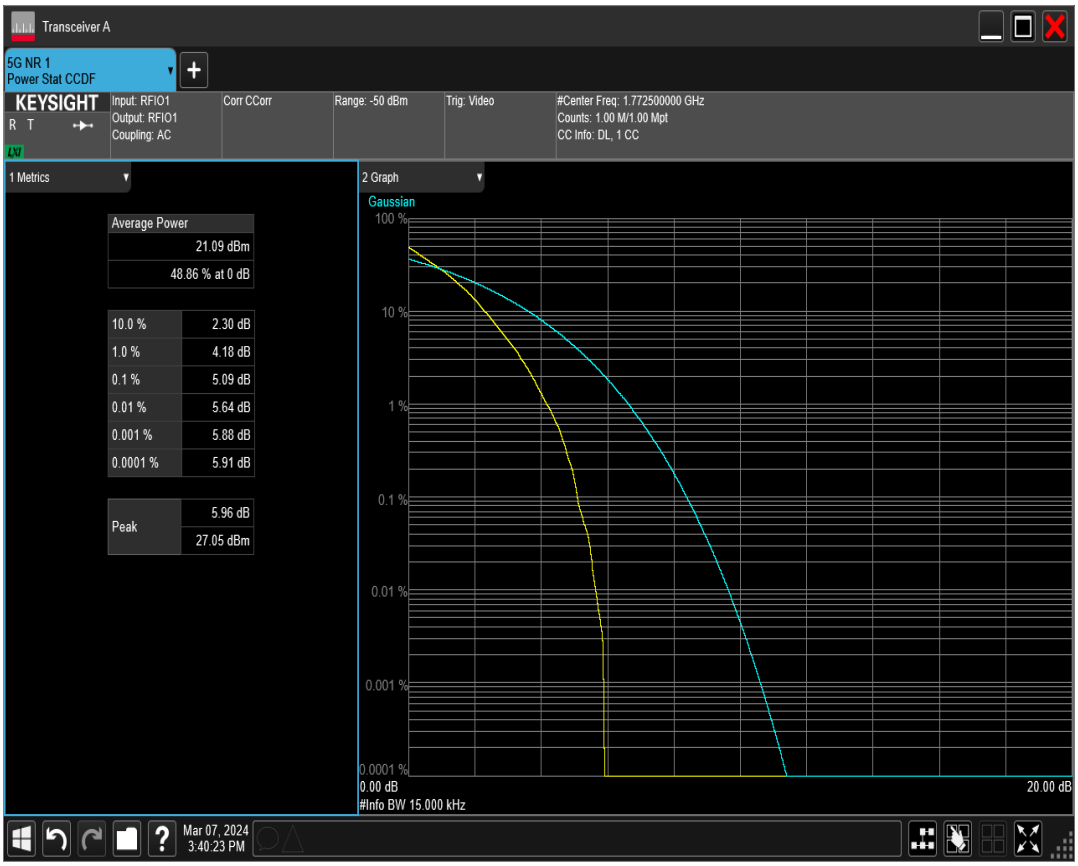
n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=343500 RB=36@0



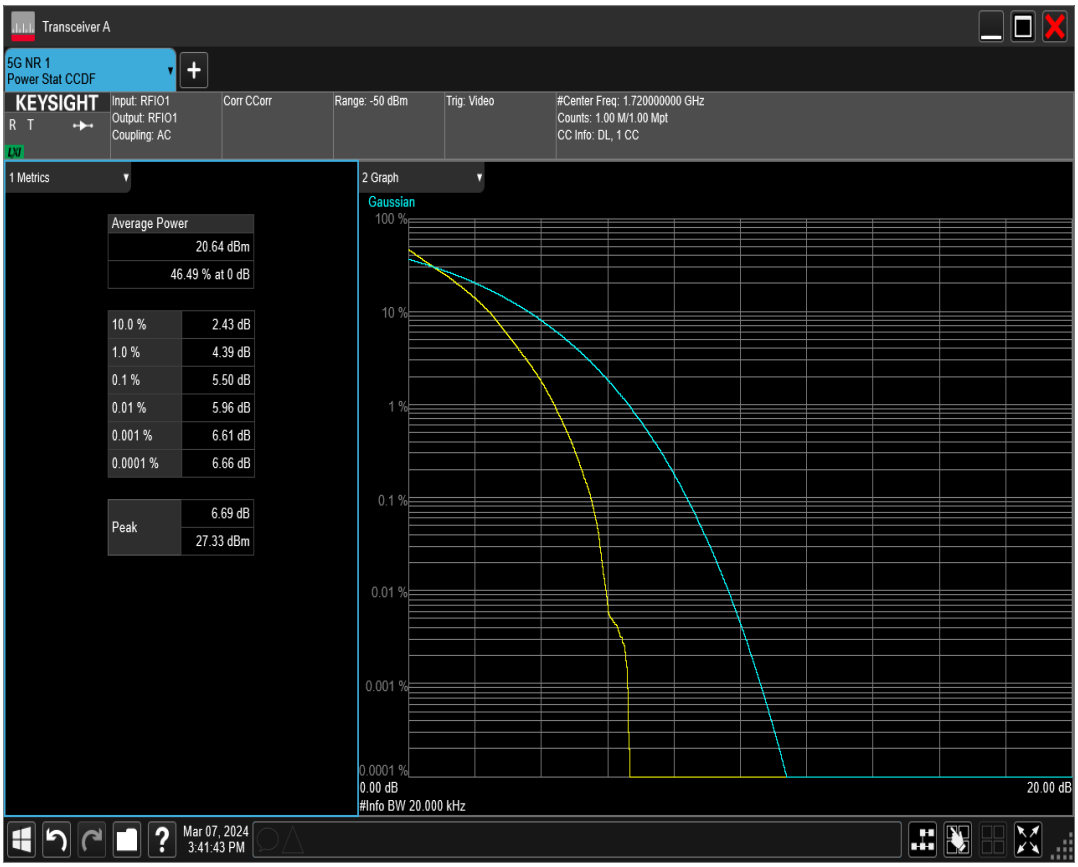
n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=349000 RB=36@0



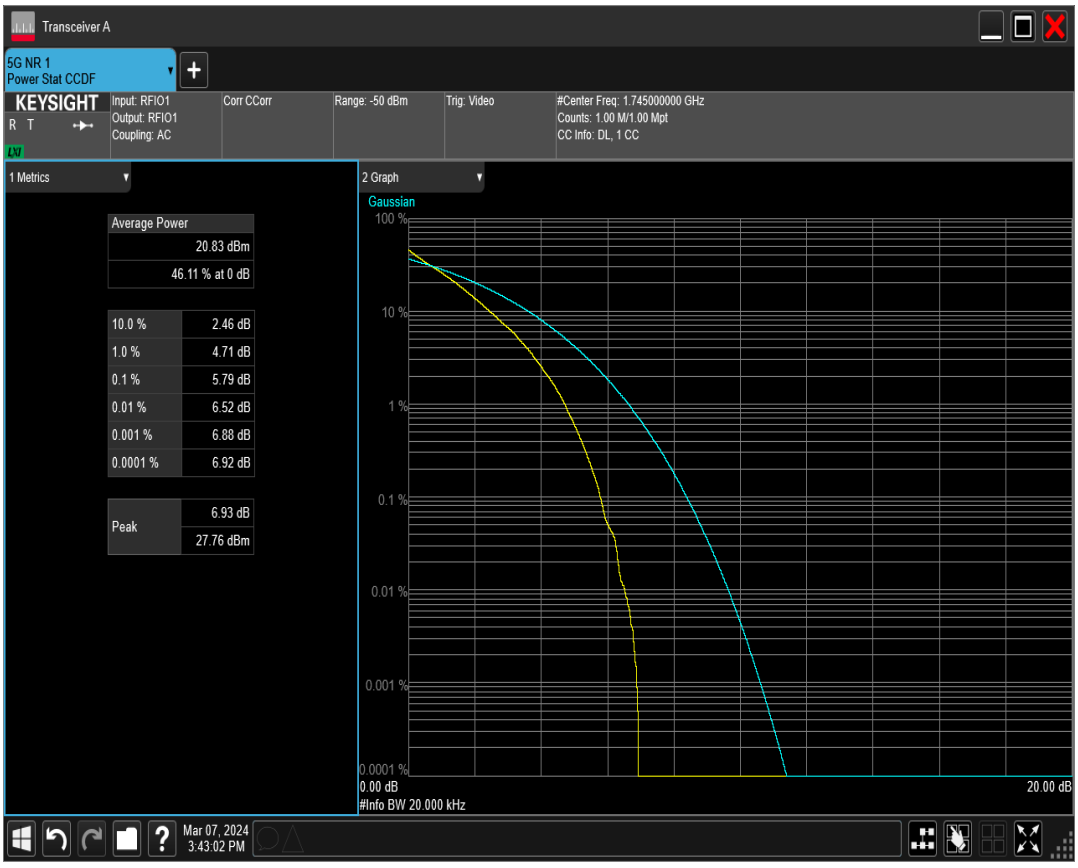
n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=354500 RB=36@0



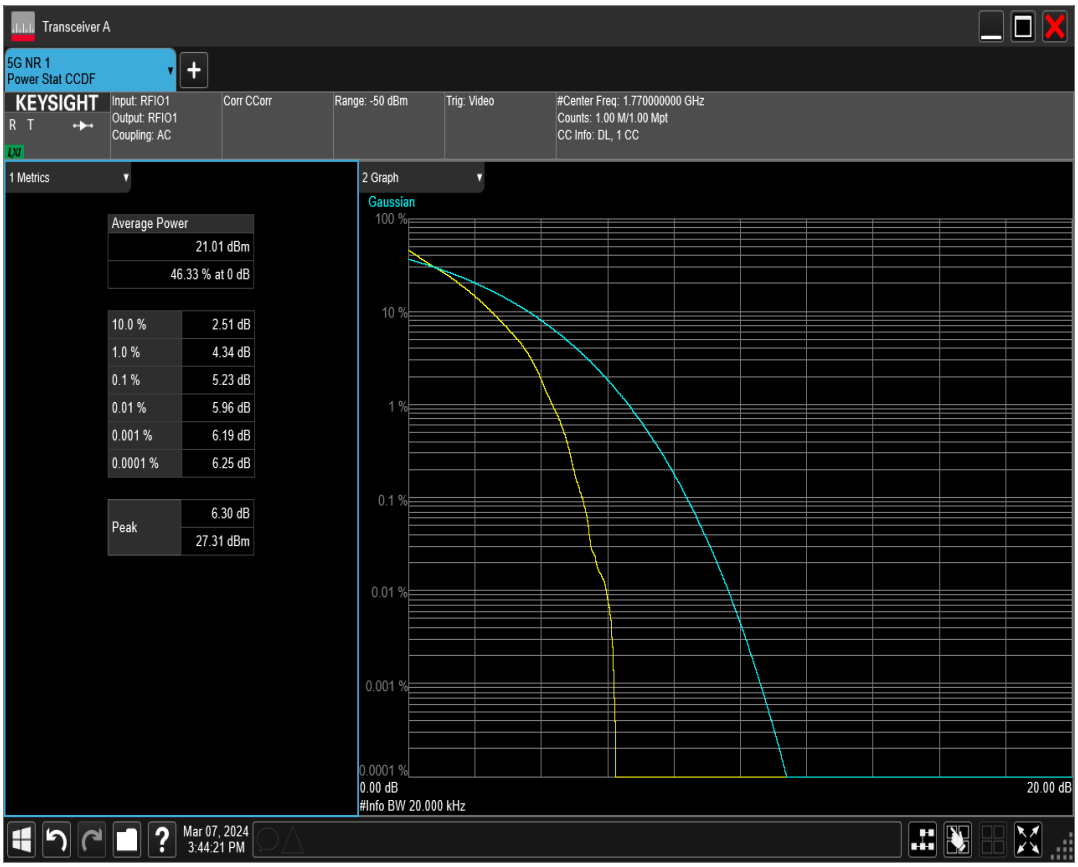
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=344000 RB=50@0



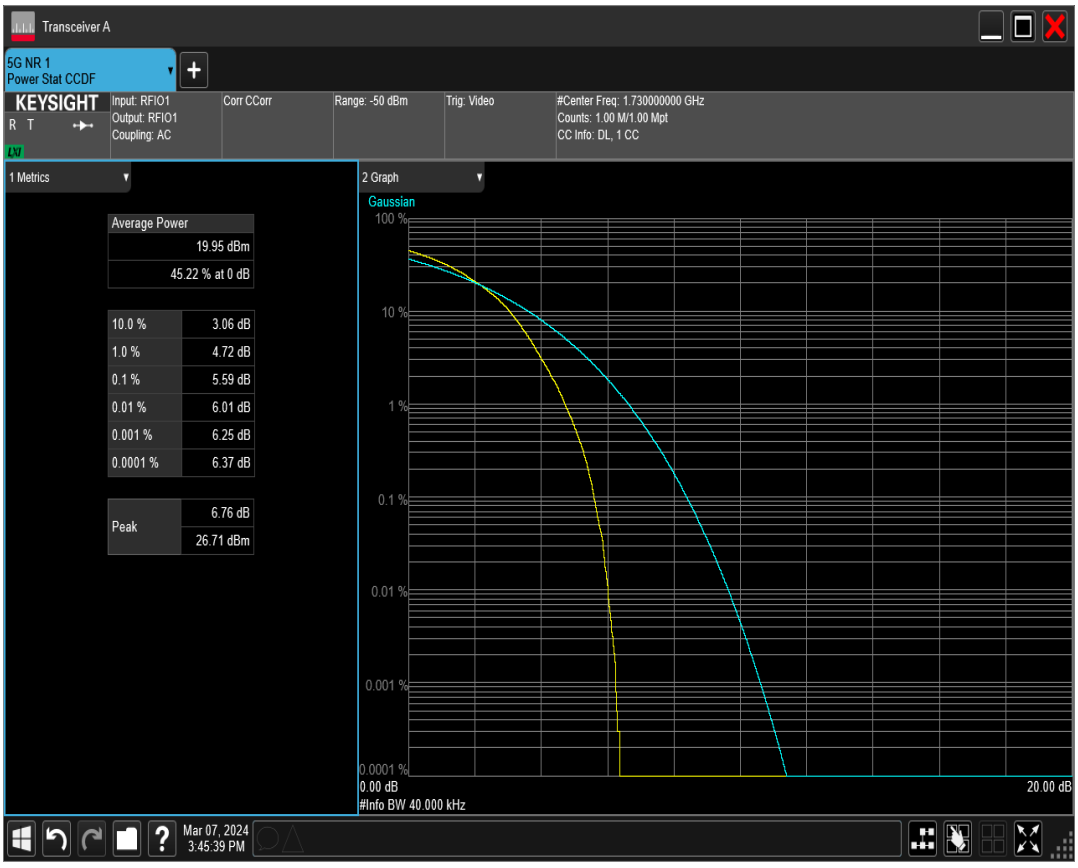
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=349000 RB=50@0



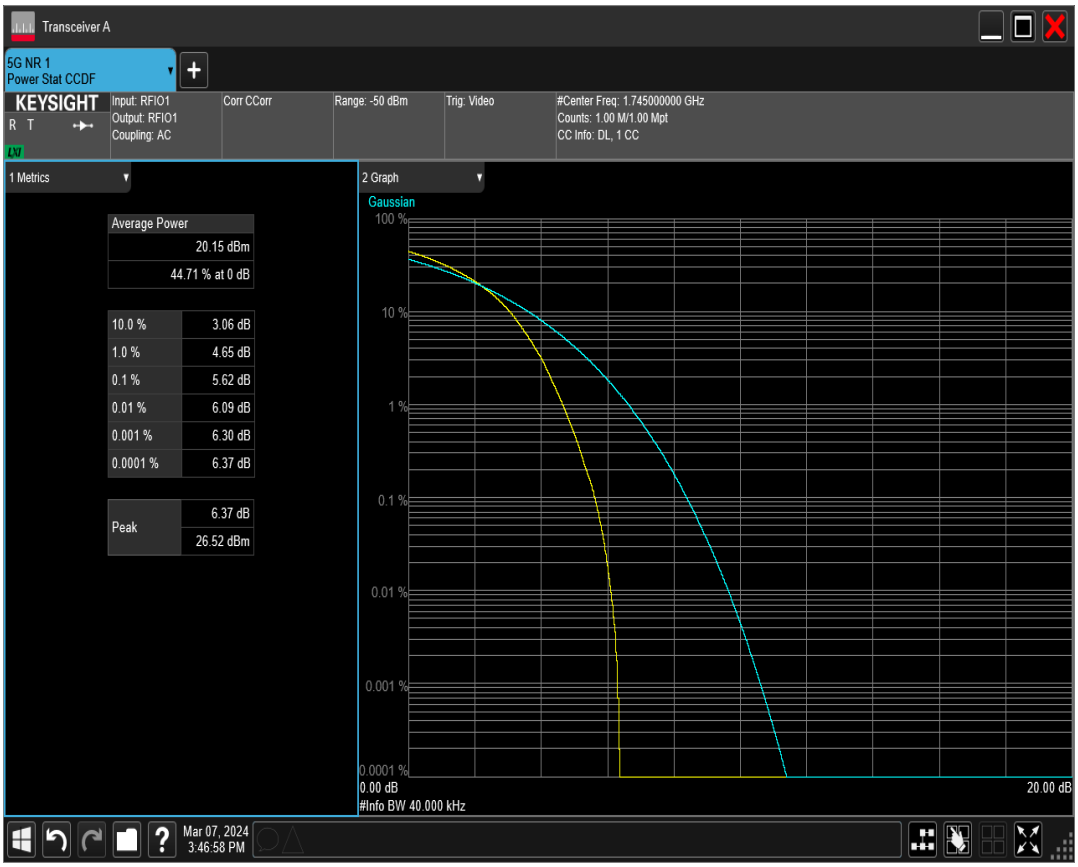
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=354000 RB=50@0



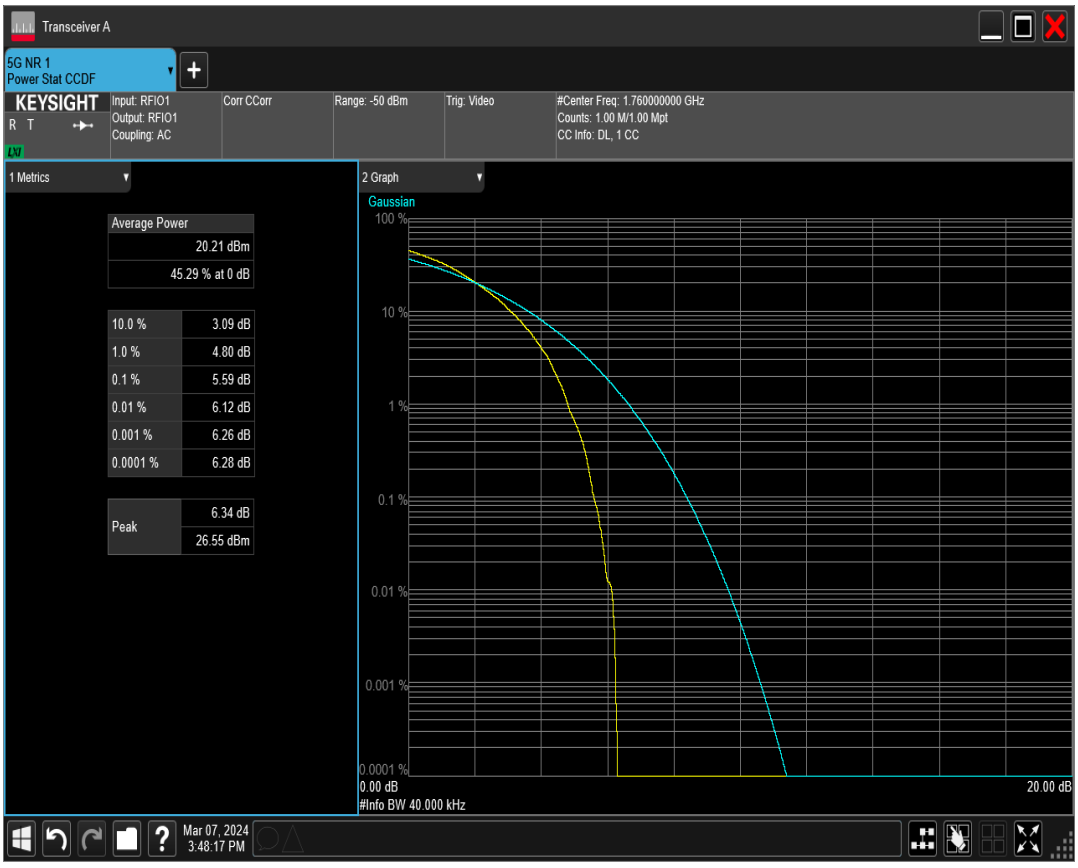
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=100@0



n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=100@0



n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=100@0



4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n66	30	10	349000	24@0	DFT_BPSK	8.560	8.880	PASS
n66	30	10	349000	24@0	DFT_QPSK	8.600	8.910	PASS
n66	30	10	349000	24@0	DFT_QAM16	8.570	8.840	PASS
n66	30	10	349000	24@0	DFT_QAM64	8.560	8.870	PASS
n66	30	10	349000	24@0	DFT_QAM256	8.540	8.880	PASS
n66	30	15	349000	36@0	DFT_BPSK	13.500	13.230	PASS
n66	30	15	349000	36@0	DFT_QPSK	13.470	13.250	PASS
n66	30	15	349000	36@0	DFT_QAM16	13.500	13.280	PASS
n66	30	15	349000	36@0	DFT_QAM64	13.530	13.280	PASS
n66	30	15	349000	36@0	DFT_QAM256	13.520	13.180	PASS
n66	30	20	349000	50@0	DFT_BPSK	18.110	18.230	PASS
n66	30	20	349000	50@0	DFT_QPSK	18.140	18.250	PASS
n66	30	20	349000	50@0	DFT_QAM16	18.030	18.290	PASS
n66	30	20	349000	50@0	DFT_QAM64	18.200	18.190	PASS
n66	30	20	349000	50@0	DFT_QAM256	18.090	18.190	PASS
n66	30	40	349000	100@0	DFT_BPSK	37.670	36.260	PASS
n66	30	40	349000	100@0	DFT_QPSK	37.570	36.220	PASS
n66	30	40	349000	100@0	DFT_QAM16	37.720	36.200	PASS
n66	30	40	349000	100@0	DFT_QAM64	37.520	36.240	PASS
n66	30	40	349000	100@0	DFT_QAM256	37.660	36.330	PASS

n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=349000 RB=24@0

n66 SCS=30kHz DFT_BPSK BW=15MHz Channel=349000 RB=36@0

n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=349000 RB=50@0

n66 SCS=30kHz DFT_BPSK BW=40MHz Channel=349000 RB=100@0

n66 SCS=30kHz DFT_QAM16 BW=10MHz Channel=349000 RB=24@0

n66 SCS=30kHz DFT_QAM16 BW=15MHz Channel=349000 RB=36@0

n66 SCS=30kHz DFT_QAM16 BW=20MHz Channel=349000 RB=50@0

n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=349000 RB=100@0

n66 SCS=30kHz DFT_QAM256 BW=10MHz Channel=349000 RB=24@0

n66 SCS=30kHz DFT_QAM256 BW=15MHz Channel=349000 RB=36@0

n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=349000 RB=50@0

n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=349000 RB=100@0

n66 SCS=30kHz DFT_QAM64 BW=10MHz Channel=349000 RB=24@0

n66 SCS=30kHz DFT_QAM64 BW=15MHz Channel=349000 RB=36@0

n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=349000 RB=50@0

n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=349000 RB=100@0

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=24@0

n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=349000 RB=36@0

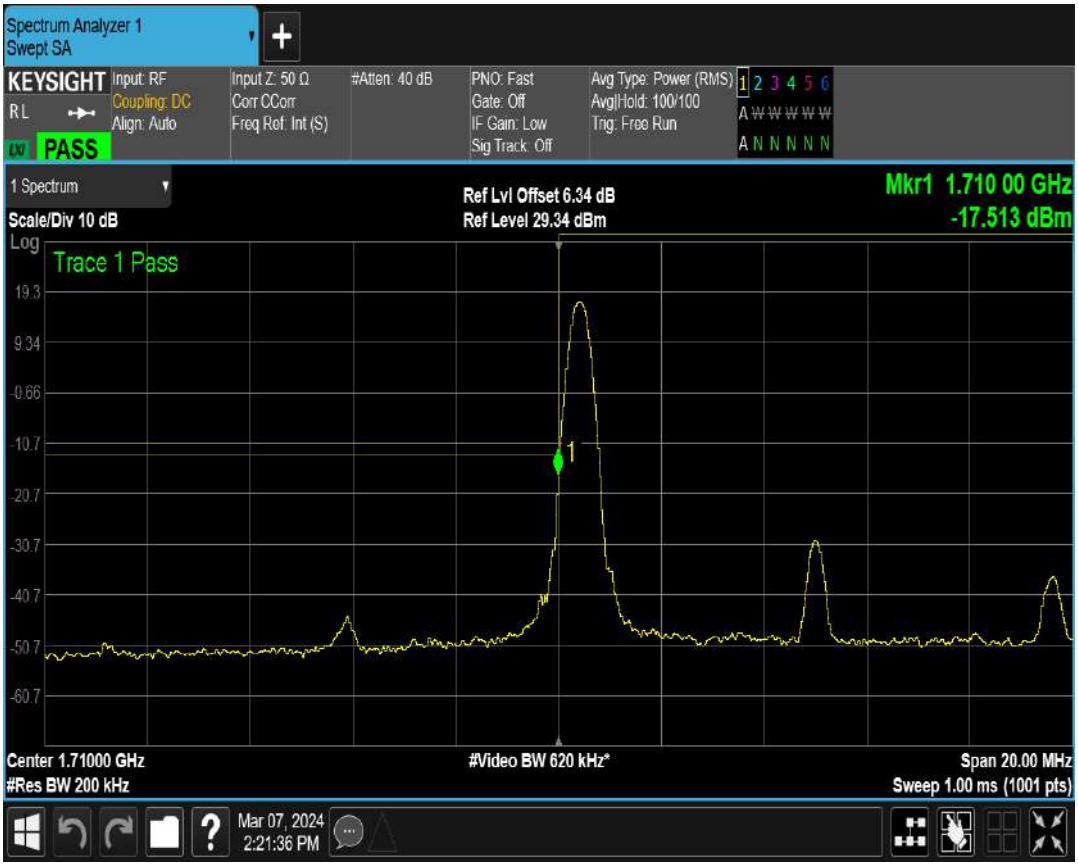
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=349000 RB=50@0

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=100@0

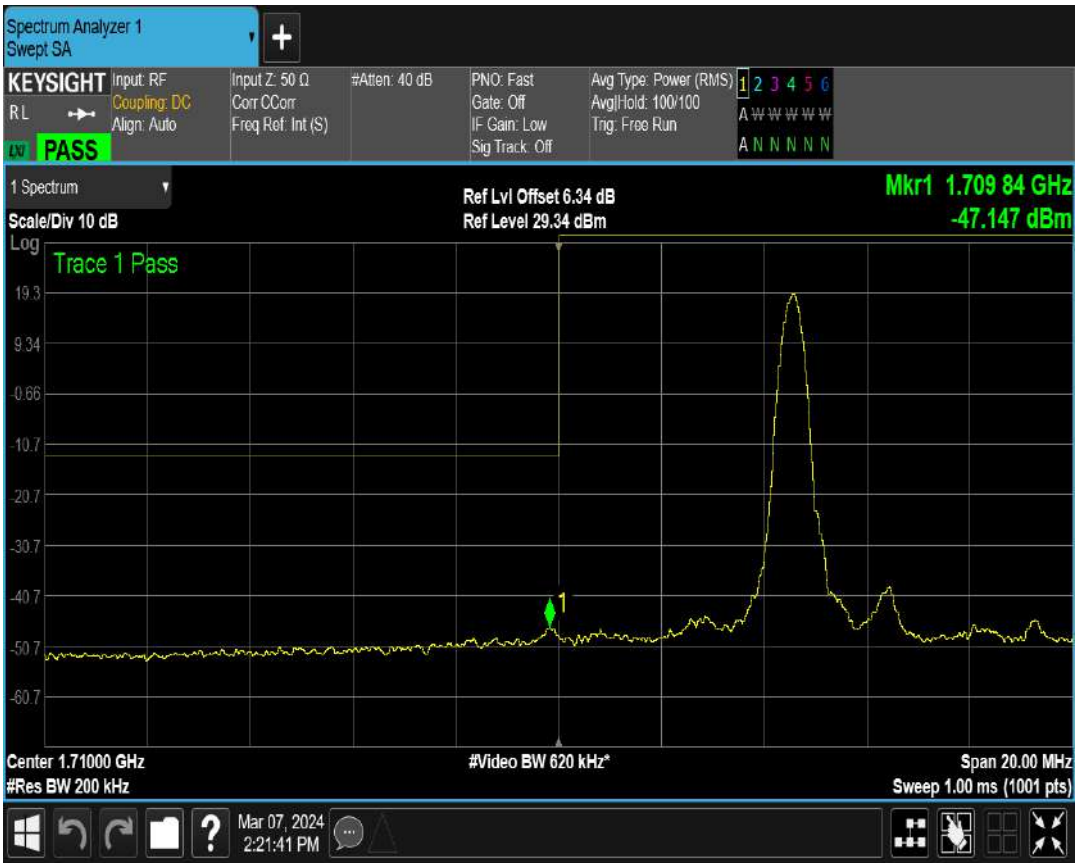
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	30	10	343000	24@0	CP_QPSK	1709.48	-32.54	-13	PASS
n66	30	10	343000	1@0	CP_QPSK	1710.00	-17.51	-13	PASS
n66	30	10	343000	1@23	CP_QPSK	1709.84	-47.14	-13	PASS
n66	30	10	355000	24@0	CP_QPSK	1780.80	-36.70	-13	PASS
n66	30	10	355000	1@0	CP_QPSK	1786.24	-45.04	-13	PASS
n66	30	10	355000	1@23	CP_QPSK	1780.00	-33.52	-13	PASS
n66	30	20	344000	51@0	CP_QPSK	1708.04	-36.74	-13	PASS
n66	30	20	344000	1@0	CP_QPSK	1710.00	-35.58	-13	PASS
n66	30	20	344000	1@50	CP_QPSK	1709.96	-43.52	-13	PASS
n66	30	20	354000	51@0	CP_QPSK	1780.84	-37.00	-13	PASS
n66	30	20	354000	1@0	CP_QPSK	1797.00	-49.28	-13	PASS
n66	30	20	354000	1@50	CP_QPSK	1780.00	-35.72	-13	PASS
n66	30	40	346000	106@0	CP_QPSK	1710.00	-36.09	-13	PASS
n66	30	40	346000	1@0	CP_QPSK	1710.00	-28.59	-13	PASS
n66	30	40	346000	1@105	CP_QPSK	1710.00	-35.93	-13	PASS
n66	30	40	352000	106@0	CP_QPSK	1780.80	-34.30	-13	PASS
n66	30	40	352000	1@0	CP_QPSK	1790.32	-50.36	-13	PASS
n66	30	40	352000	1@105	CP_QPSK	1780.00	-28.18	-13	PASS

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=1@0



n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=1@23



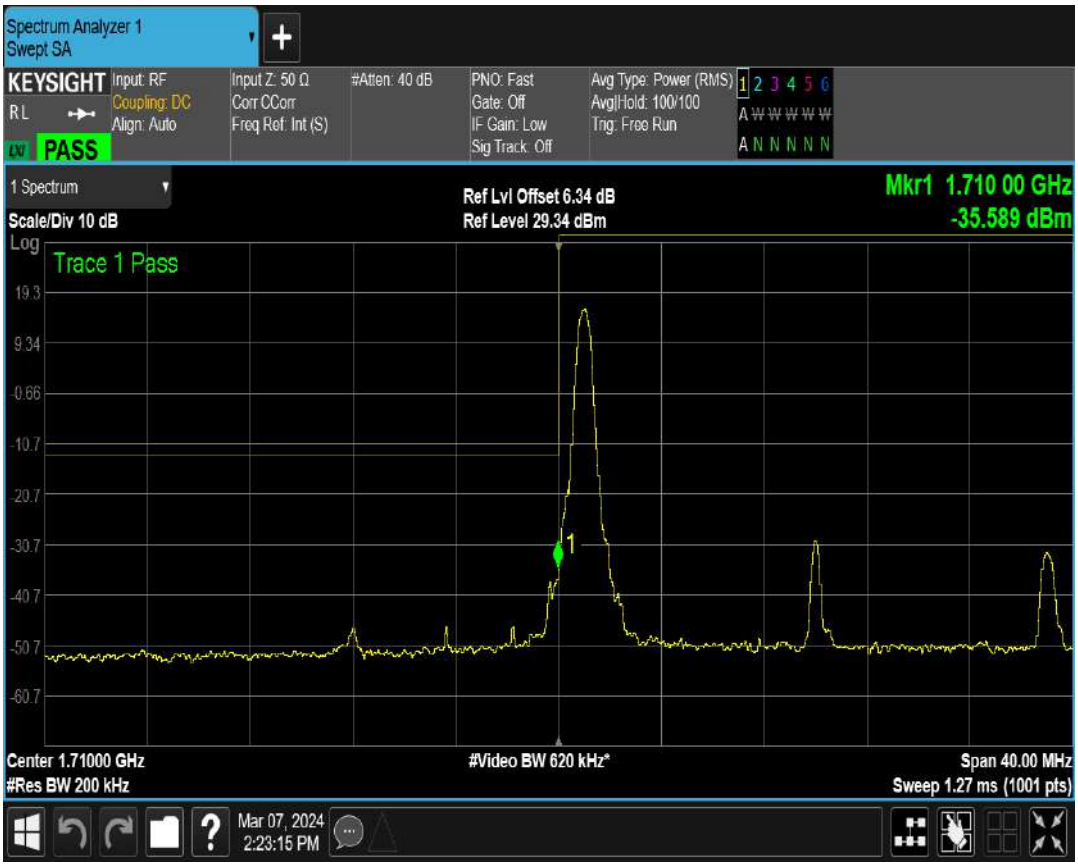
n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=24@0

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=1@0

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=1@23

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=24@0

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=1@0



n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=1@50

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=51@0

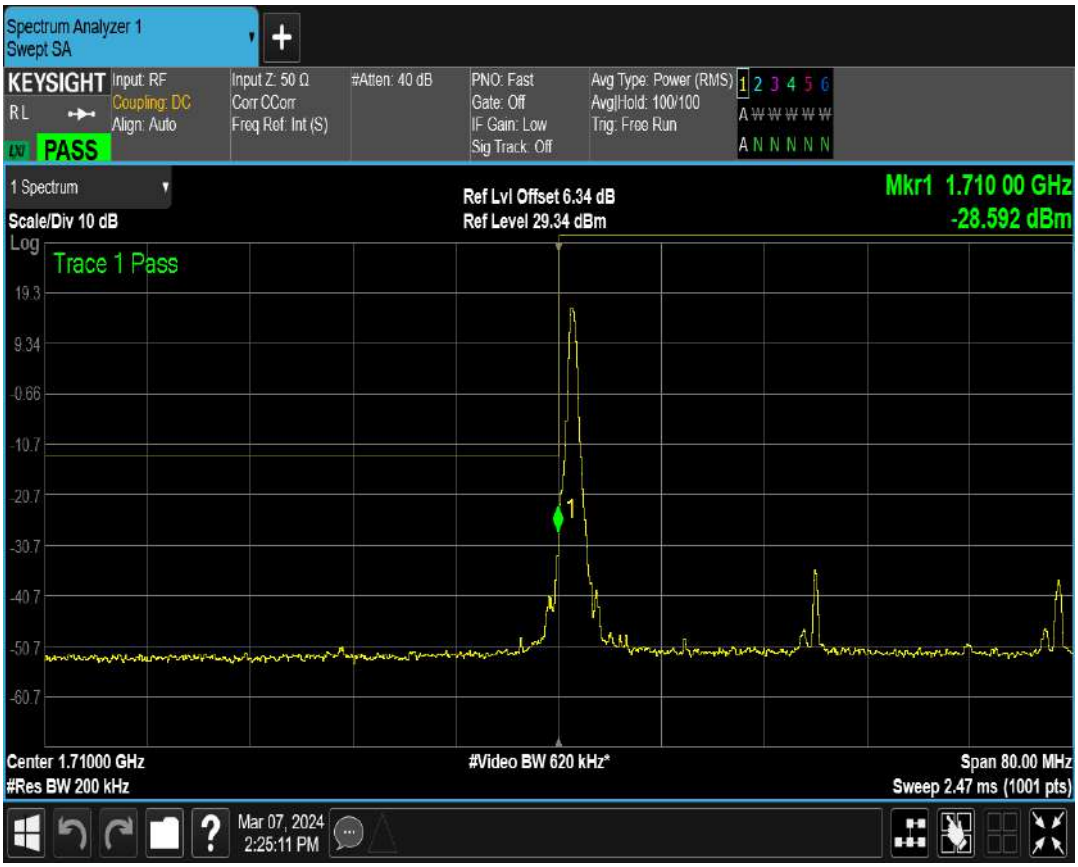
n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=1@0

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=1@50

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=51@0

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=106@0

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0

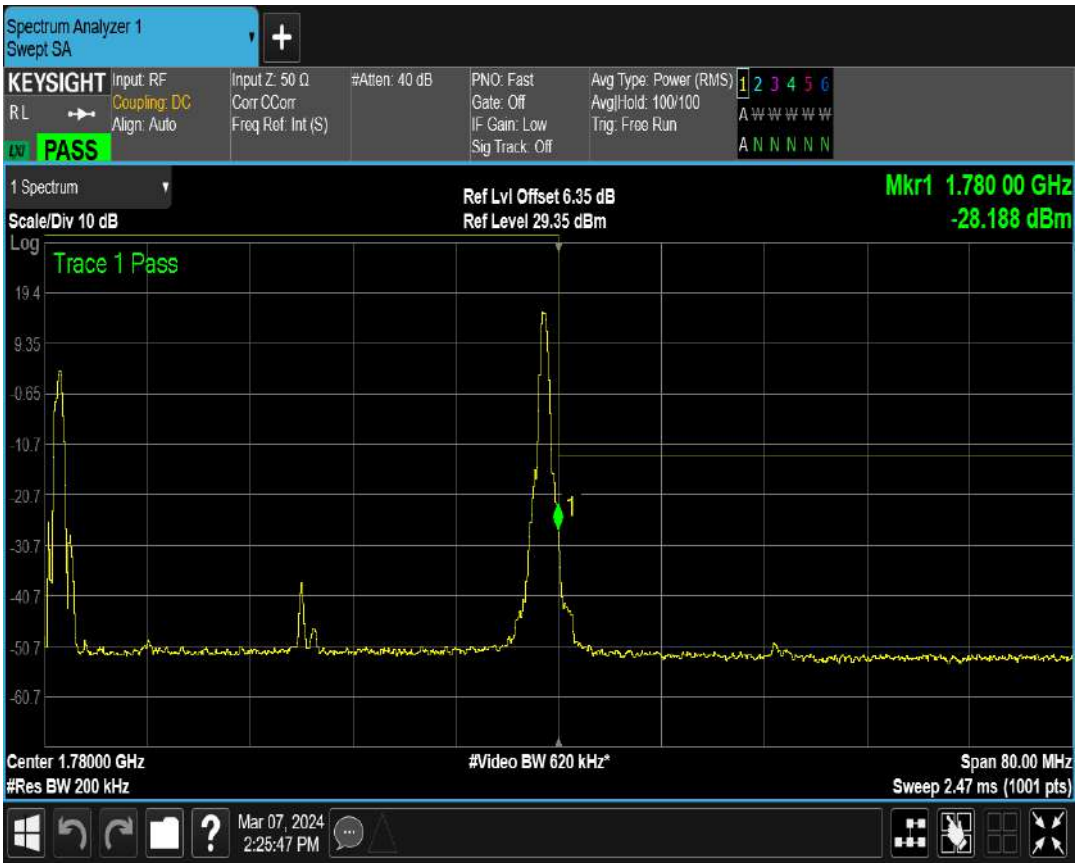


n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=1@105

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=106@0

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0

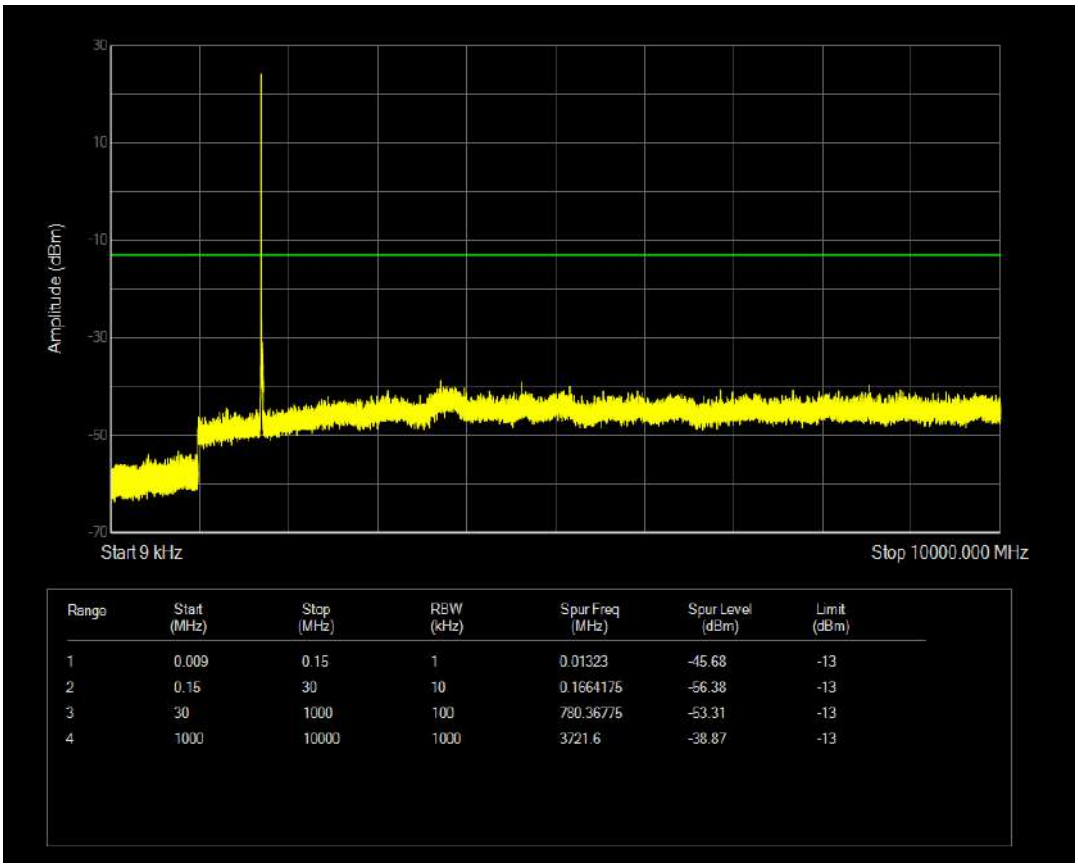
n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=1@105



6 Out-of-band emissions for NR FR1

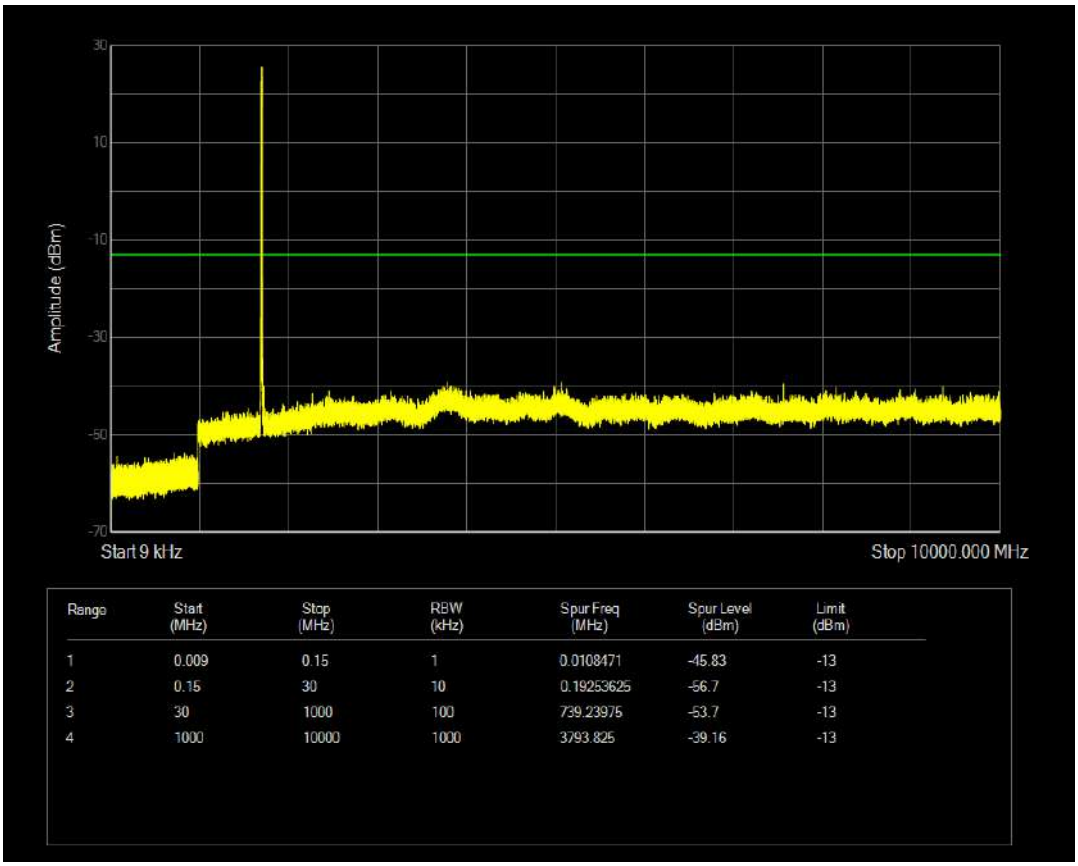
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	30	10	343000	24@0	CP_QPSK	3812.95	-39.57	-13	PASS
n66	30	10	343000	1@0	CP_QPSK	3721.60	-38.87	-13	PASS
n66	30	10	343000	1@23	CP_QPSK	3793.83	-39.16	-13	PASS
n66	30	10	355000	24@0	CP_QPSK	5087.80	-39.74	-13	PASS
n66	30	10	355000	1@0	CP_QPSK	3832.08	-39.00	-13	PASS
n66	30	10	355000	1@23	CP_QPSK	3839.28	-39.18	-13	PASS
n66	30	20	344000	51@0	CP_QPSK	3796.08	-38.92	-13	PASS
n66	30	20	344000	1@0	CP_QPSK	3848.28	-38.48	-13	PASS
n66	30	20	344000	1@50	CP_QPSK	3834.33	-38.94	-13	PASS
n66	30	20	354000	51@0	CP_QPSK	3801.70	-39.21	-13	PASS
n66	30	20	354000	1@0	CP_QPSK	3810.03	-39.21	-13	PASS
n66	30	20	354000	1@50	CP_QPSK	3829.38	-39.47	-13	PASS
n66	30	40	346000	106@0	CP_QPSK	3943.00	-39.33	-13	PASS
n66	30	40	346000	1@0	CP_QPSK	8890.75	-39.48	-13	PASS
n66	30	40	346000	1@105	CP_QPSK	3769.53	-39.13	-13	PASS
n66	30	40	352000	106@0	CP_QPSK	9808.75	-39.32	-13	PASS
n66	30	40	352000	1@0	CP_QPSK	5001.63	-39.37	-13	PASS
n66	30	40	352000	1@105	CP_QPSK	3895.75	-39.37	-13	PASS

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=1@0



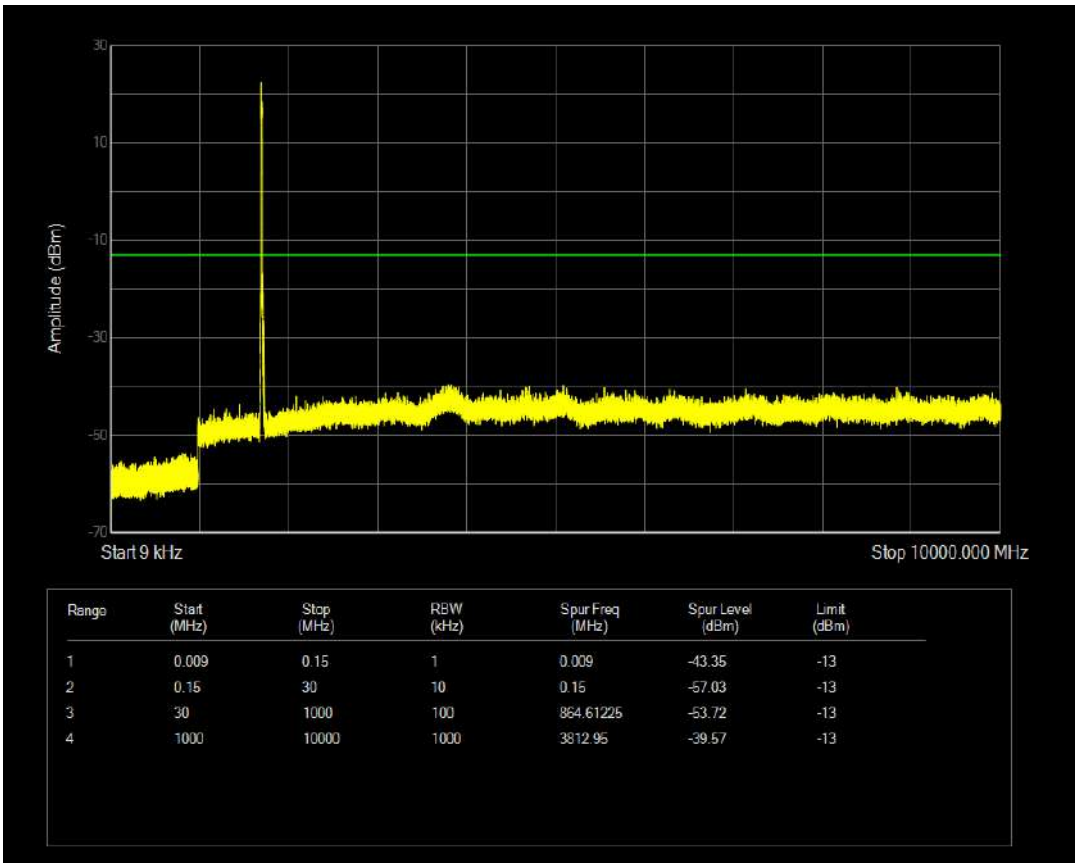
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01323	-45.68	-13
2	0.15	30	10	0.1664175	-56.38	-13
3	30	1000	100	780.36775	-53.31	-13
4	1000	10000	1000	3721.6	-38.87	-13

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=1@23



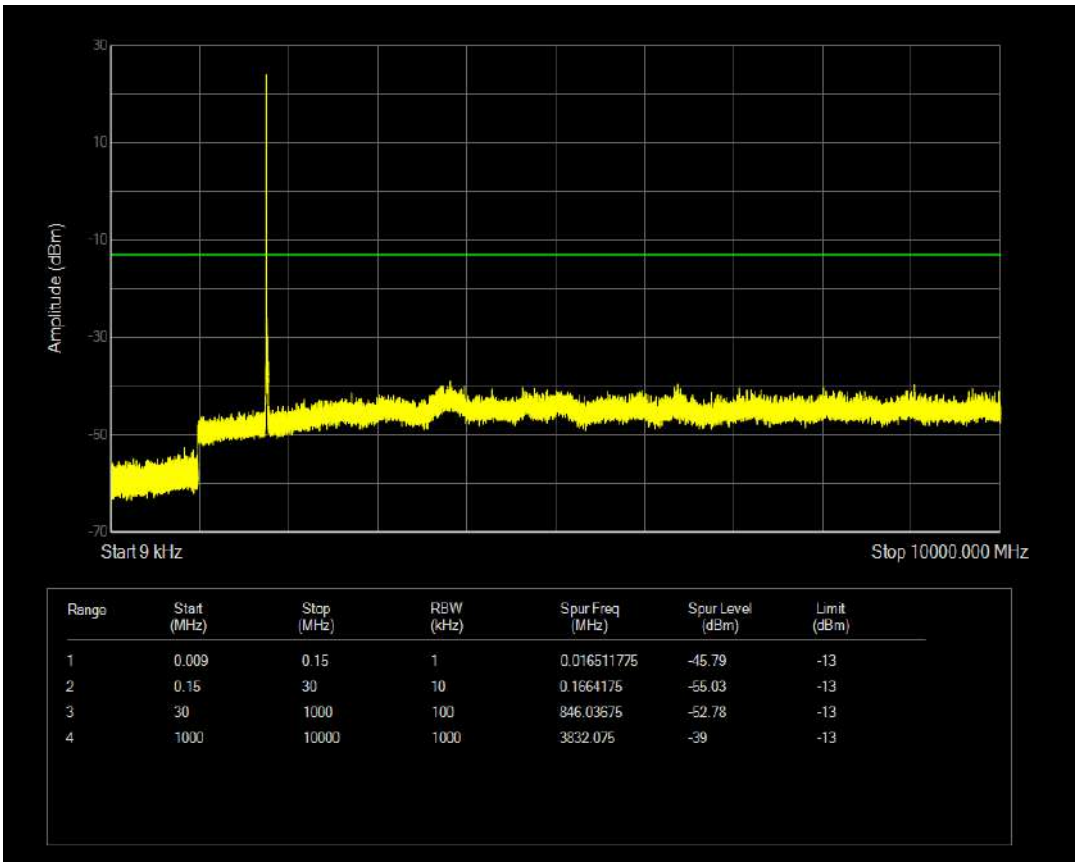
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108471	-45.83	-13
2	0.15	30	10	0.19253625	-56.7	-13
3	30	1000	100	739.23975	-53.7	-13
4	1000	10000	1000	3793.825	-39.16	-13

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=343000 RB=24@0



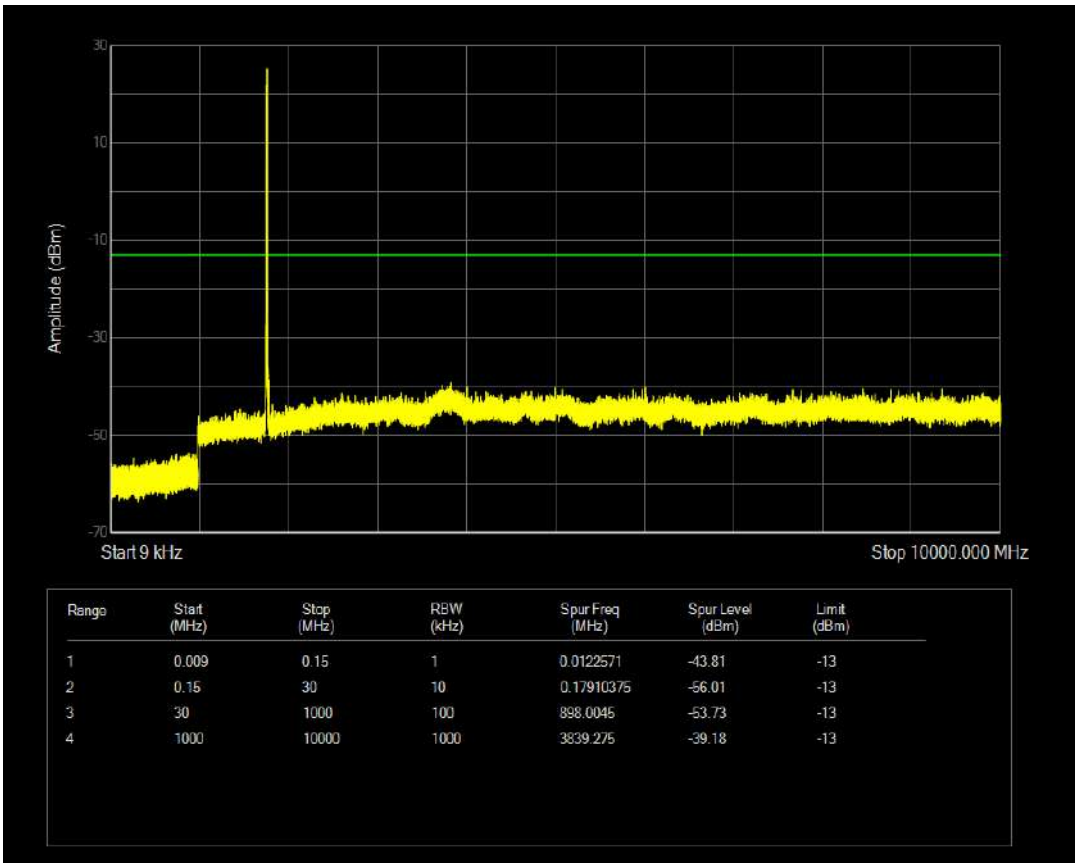
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.35	-13
2	0.15	30	10	0.15	-57.03	-13
3	30	1000	100	864.61225	-53.72	-13
4	1000	10000	1000	3812.95	-39.57	-13

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=1@0



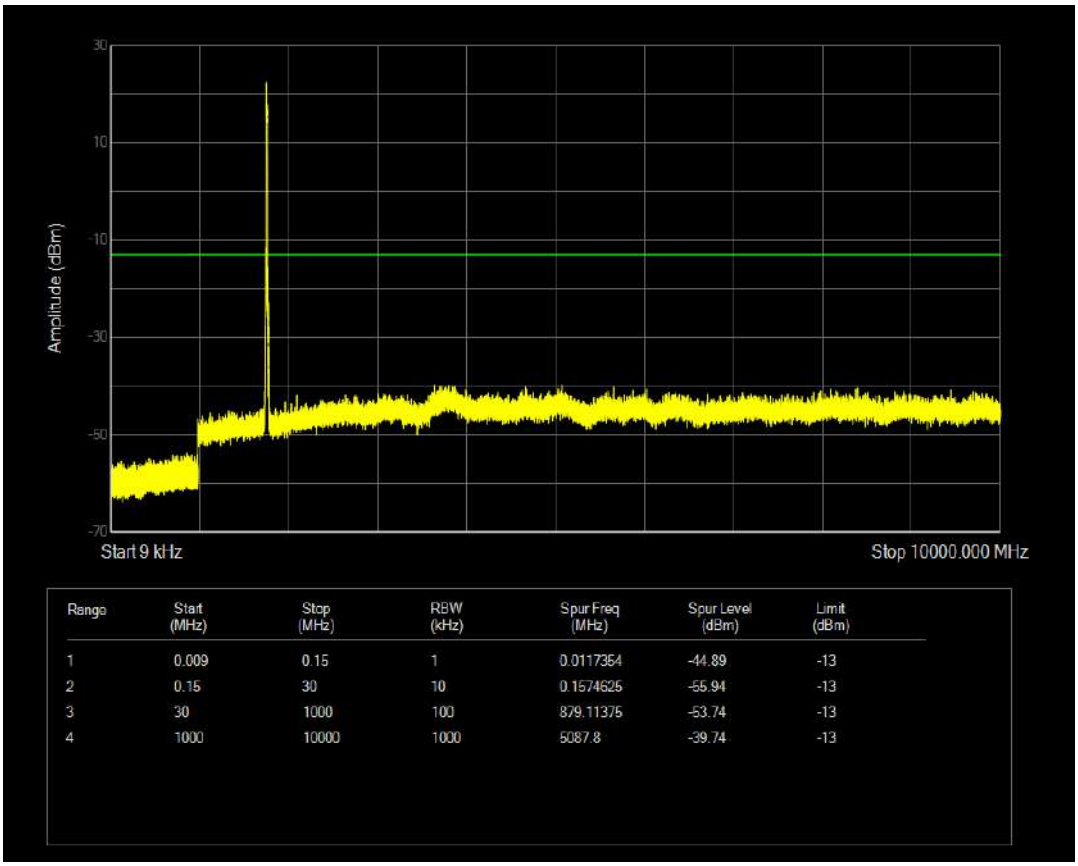
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.016511775	-45.79	-13
2	0.15	30	10	0.1664175	-55.03	-13
3	30	1000	100	846.03675	-52.78	-13
4	1000	10000	1000	3832.075	-39	-13

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=1@23



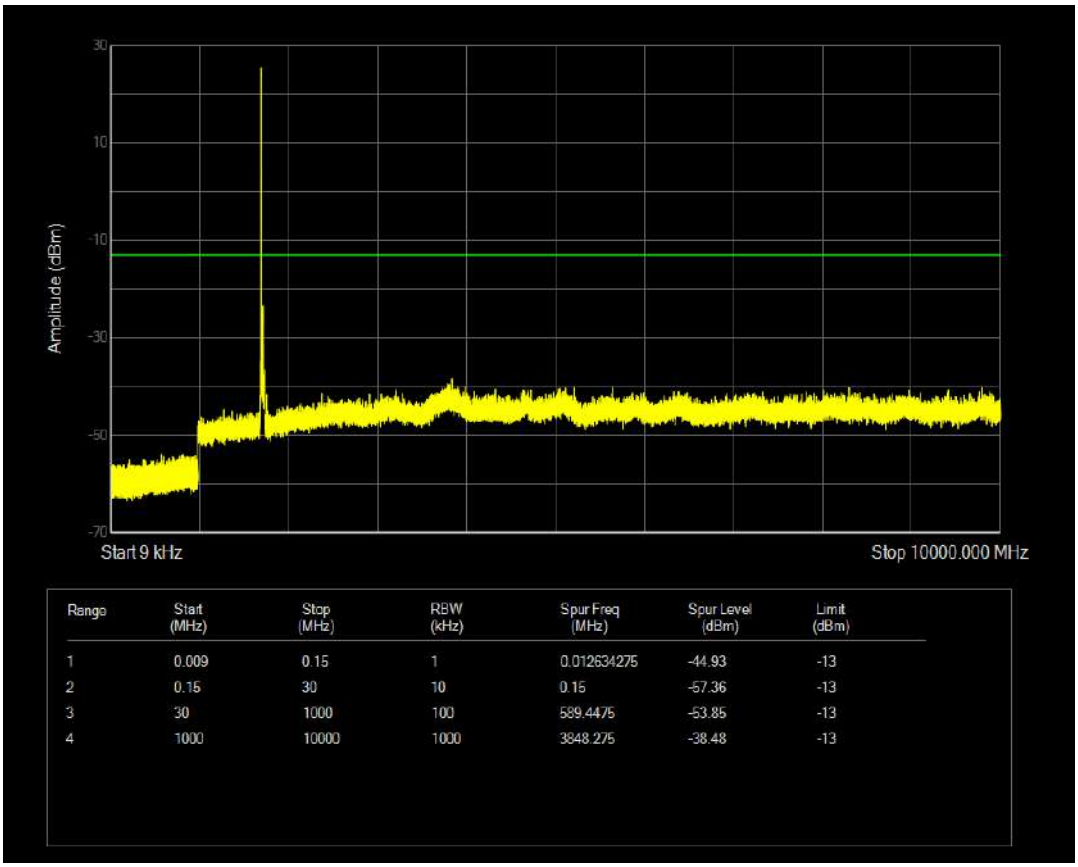
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122571	-43.81	-13
2	0.15	30	10	0.17910375	-56.01	-13
3	30	1000	100	898.0045	-53.73	-13
4	1000	10000	1000	3839.275	-39.18	-13

n66 SCS=30kHz CP_QPSK BW=10MHz Channel=355000 RB=24@0



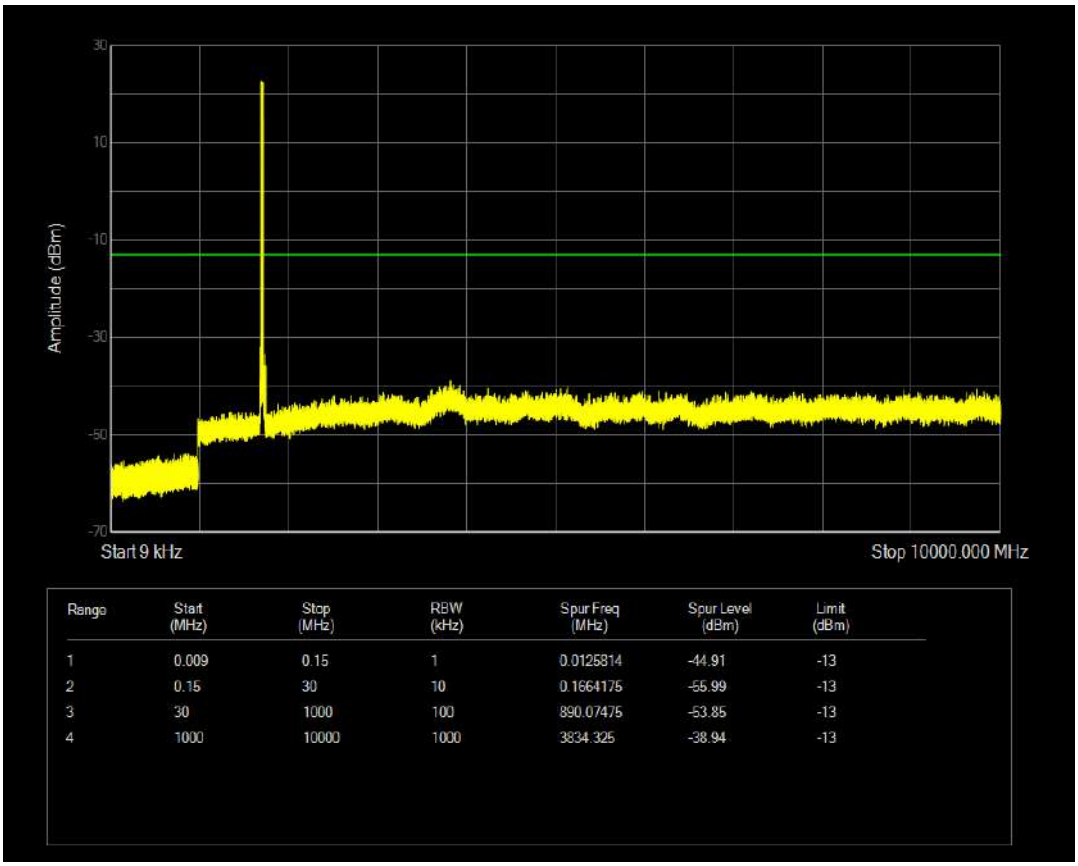
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0117354	-44.89	-13
2	0.15	30	10	0.1574625	-55.94	-13
3	30	1000	100	879.11375	-53.74	-13
4	1000	10000	1000	5087.8	-39.74	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=1@0



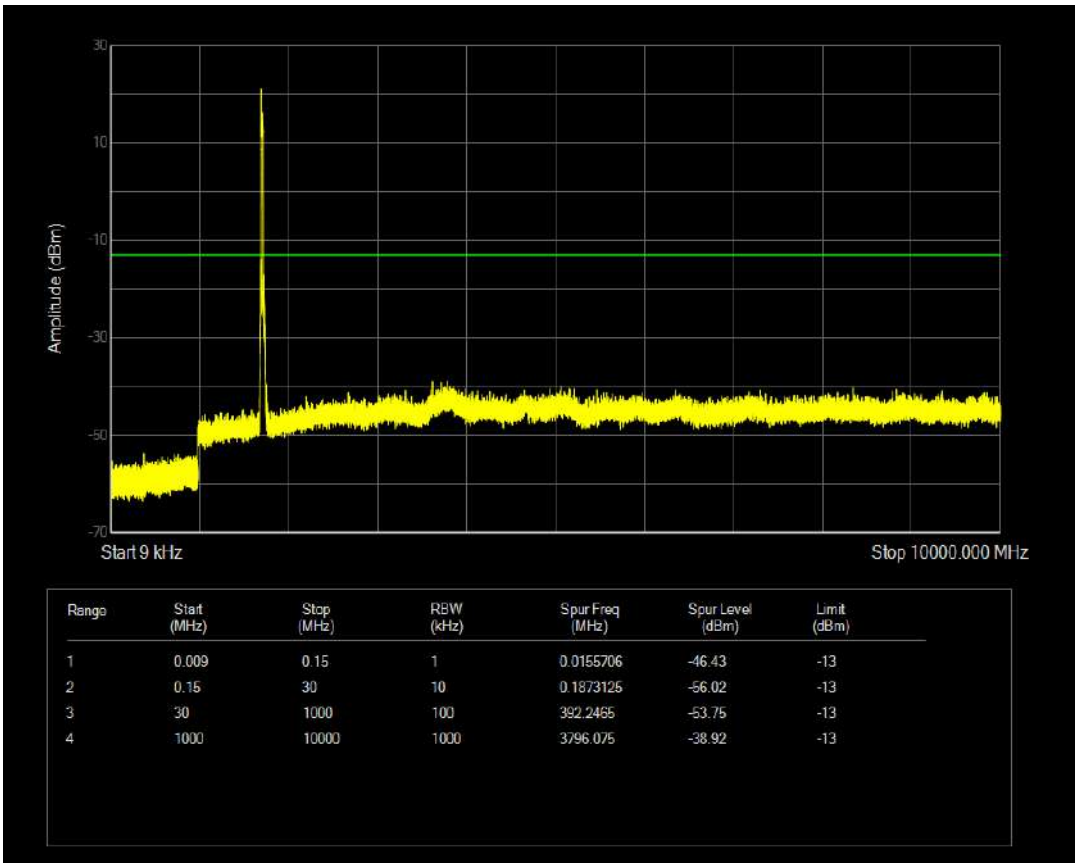
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012634275	-44.93	-13
2	0.15	30	10	0.15	-57.36	-13
3	30	1000	100	589.4475	-53.85	-13
4	1000	10000	1000	3848.275	-38.48	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=1@50



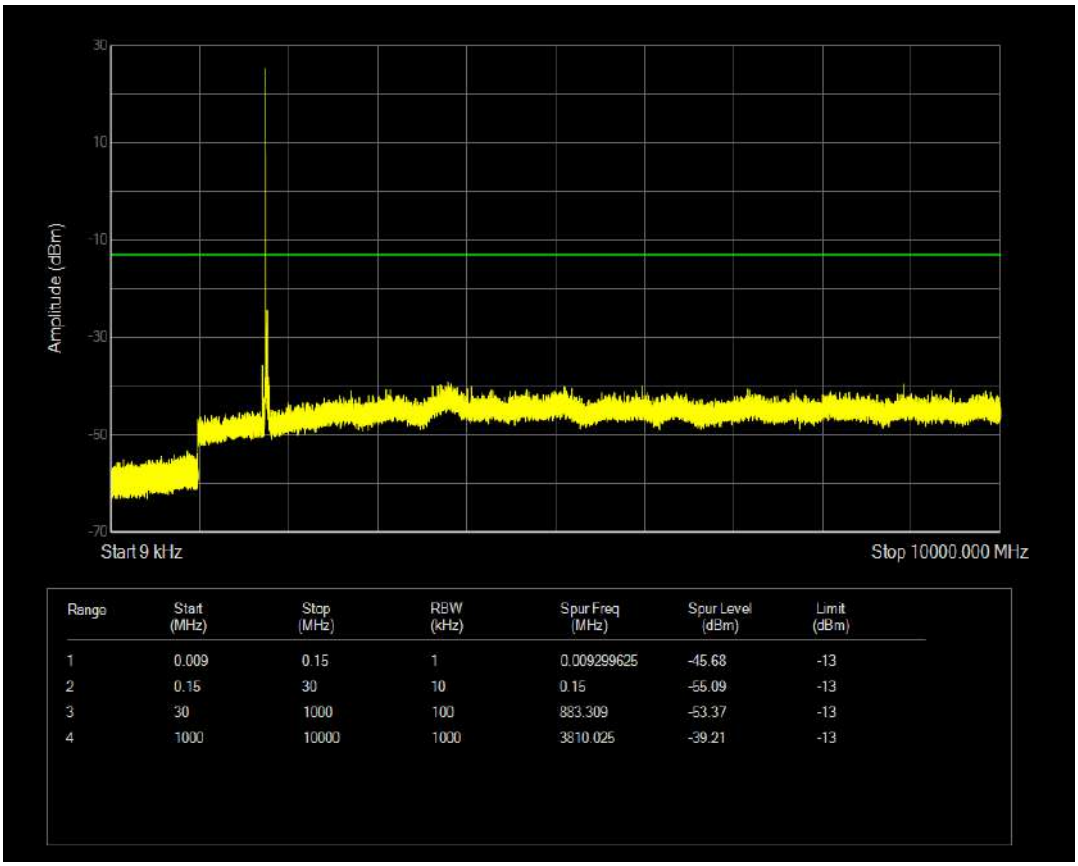
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0125814	-44.91	-13
2	0.15	30	10	0.1664175	-55.99	-13
3	30	1000	100	890.07475	-53.85	-13
4	1000	10000	1000	3834.325	-38.94	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=51@0



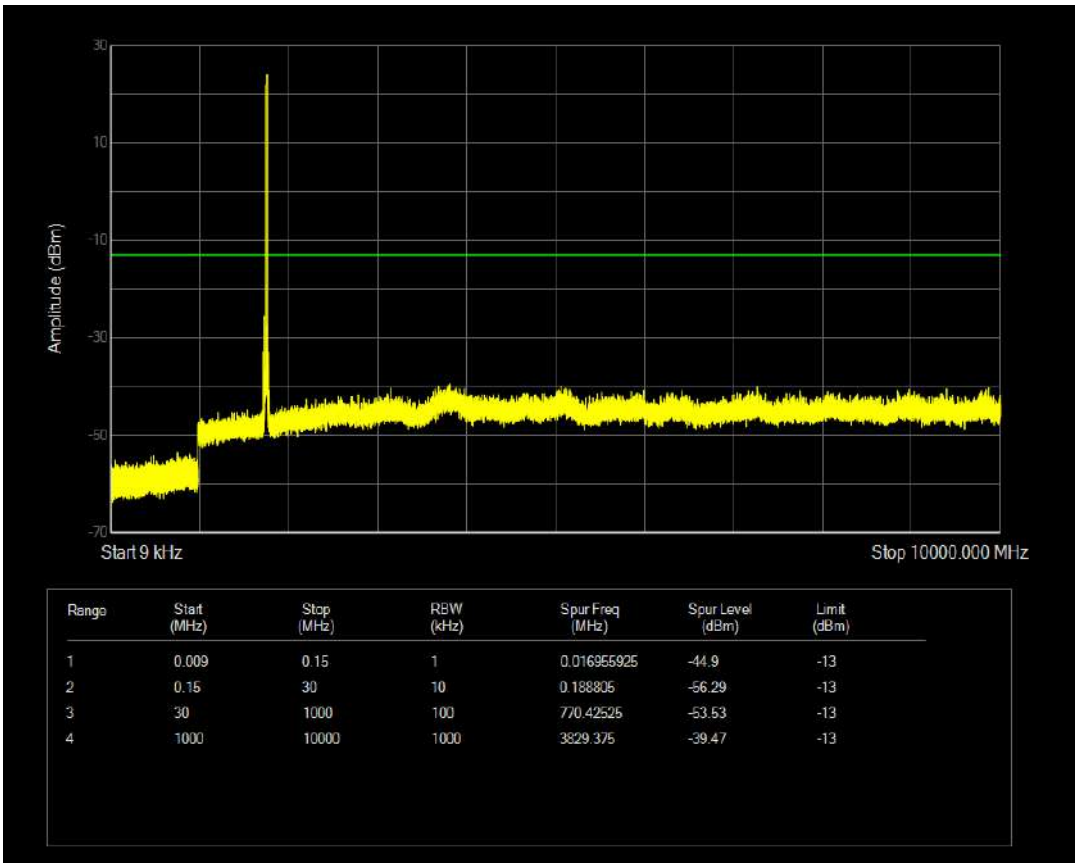
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0155706	-46.43	-13
2	0.15	30	10	0.1873125	-56.02	-13
3	30	1000	100	392.2465	-53.75	-13
4	1000	10000	1000	3796.075	-38.92	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=1@0



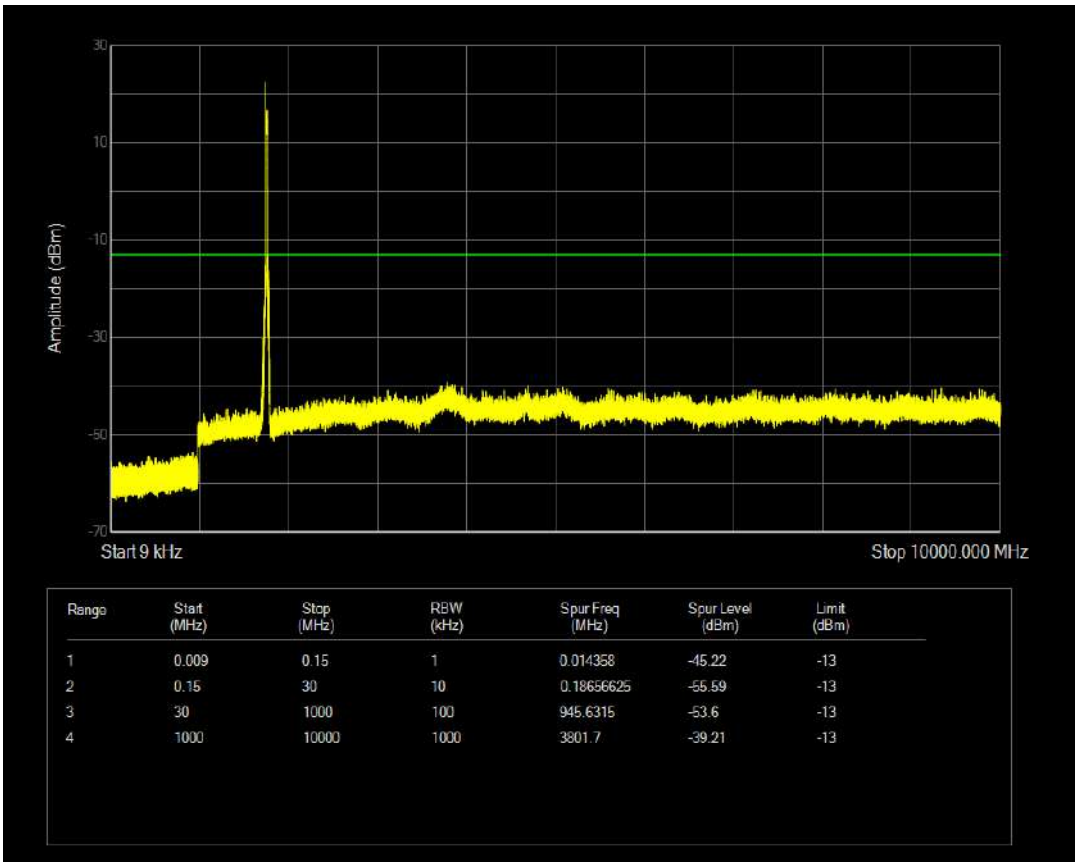
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009299625	-45.68	-13
2	0.15	30	10	0.15	-55.09	-13
3	30	1000	100	883.309	-53.37	-13
4	1000	10000	1000	3810.025	-39.21	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=1@50



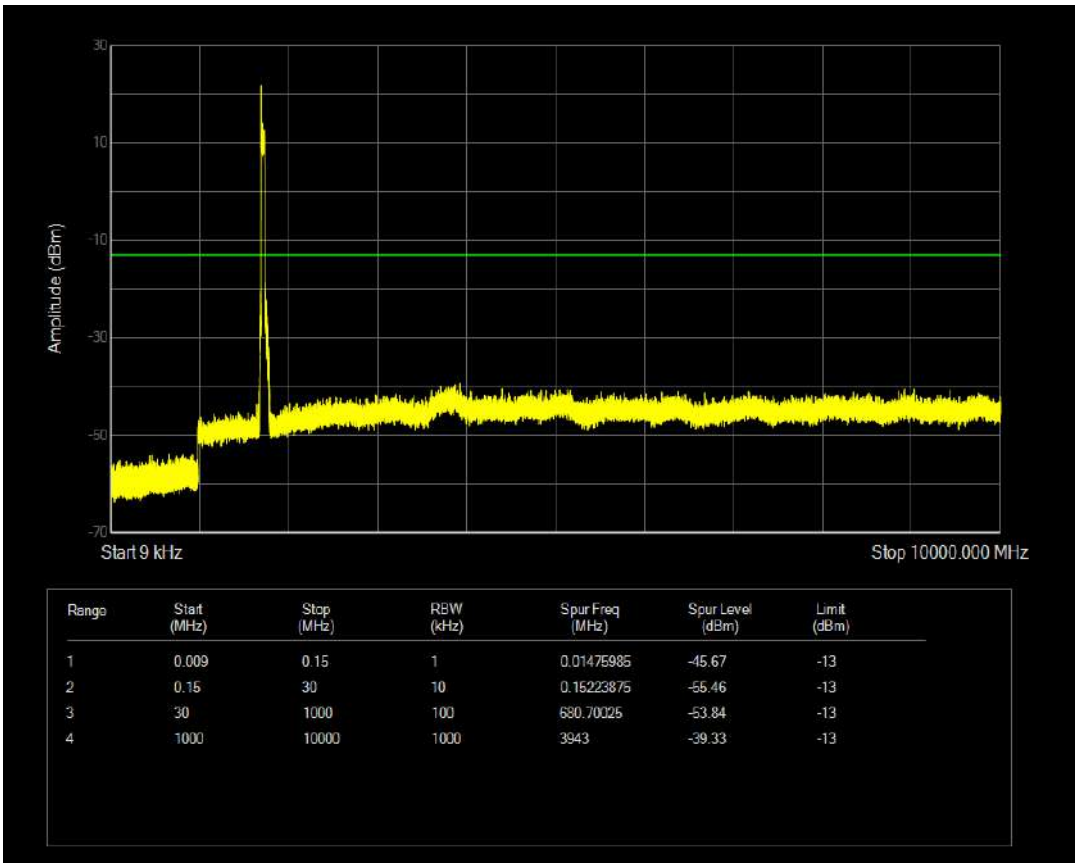
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.016955925	-44.9	-13
2	0.15	30	10	0.188805	-56.29	-13
3	30	1000	100	770.42525	-53.53	-13
4	1000	10000	1000	3829.375	-39.47	-13

n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=51@0



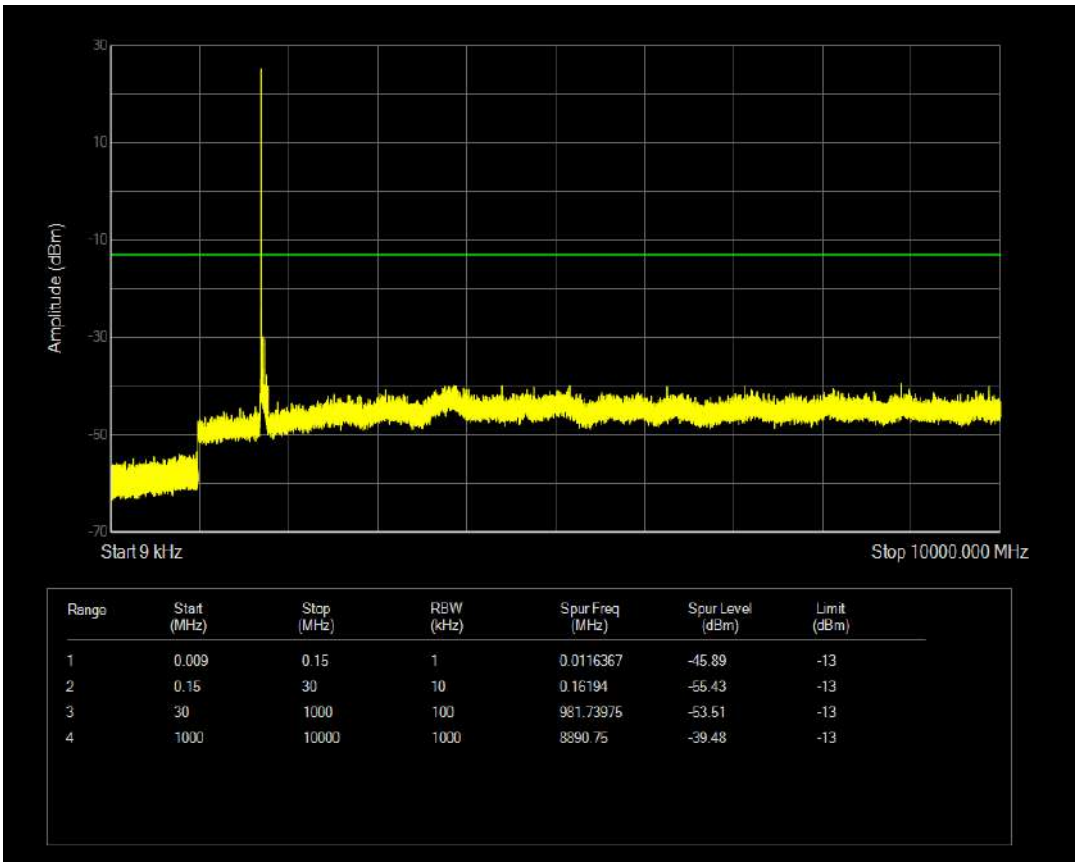
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014358	-45.22	-13
2	0.15	30	10	0.18656625	-55.59	-13
3	30	1000	100	945.6315	-53.6	-13
4	1000	10000	1000	3801.7	-39.21	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=106@0



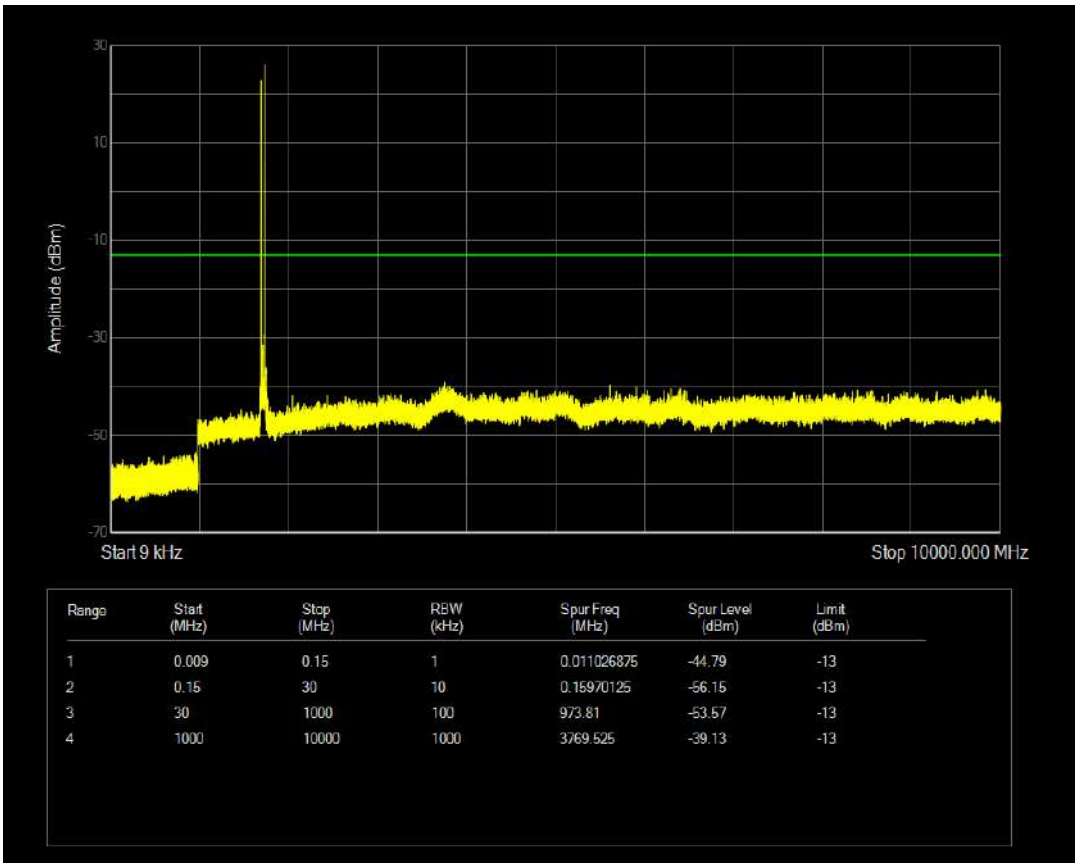
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01475985	-45.67	-13
2	0.15	30	10	0.15223875	-55.46	-13
3	30	1000	100	680.70025	-53.84	-13
4	1000	10000	1000	3943	-39.33	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



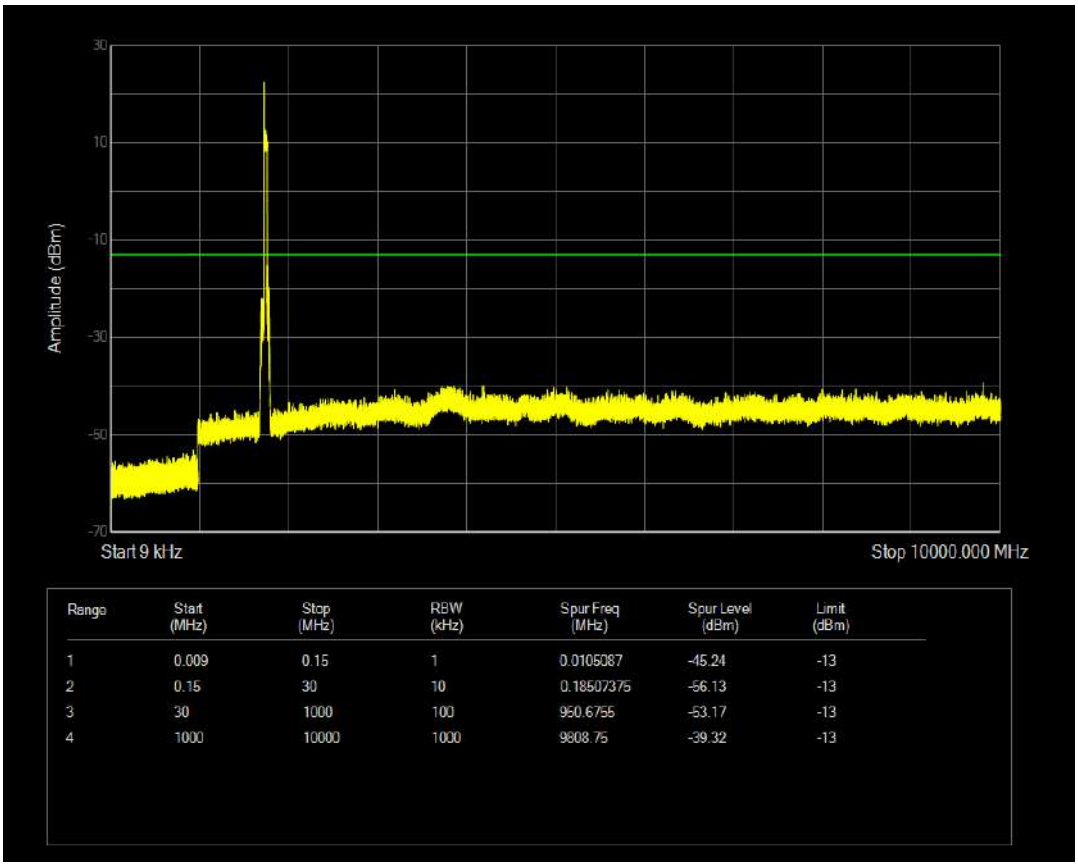
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0116367	-45.89	-13
2	0.15	30	10	0.16194	-55.43	-13
3	30	1000	100	981.73975	-53.51	-13
4	1000	10000	1000	8890.75	-39.48	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=1@105



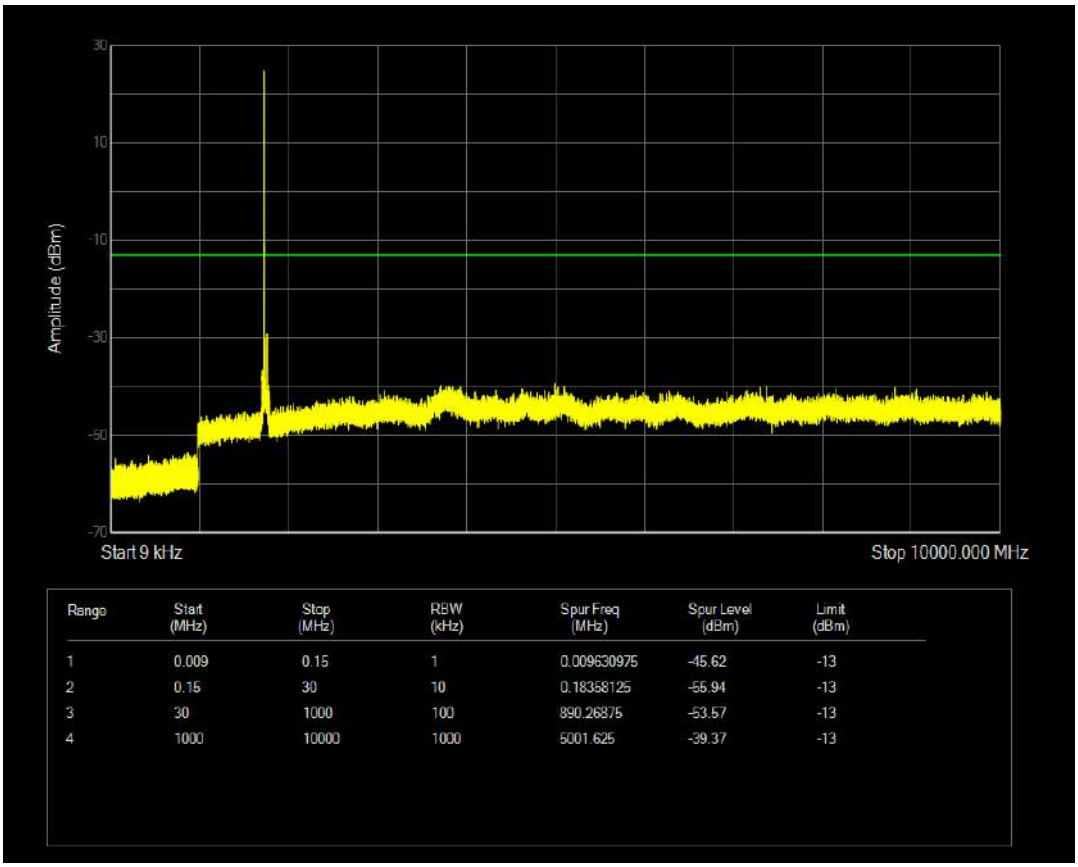
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011026875	-44.79	-13
2	0.15	30	10	0.15970125	-56.15	-13
3	30	1000	100	973.81	-53.57	-13
4	1000	10000	1000	3769.525	-39.13	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=106@0



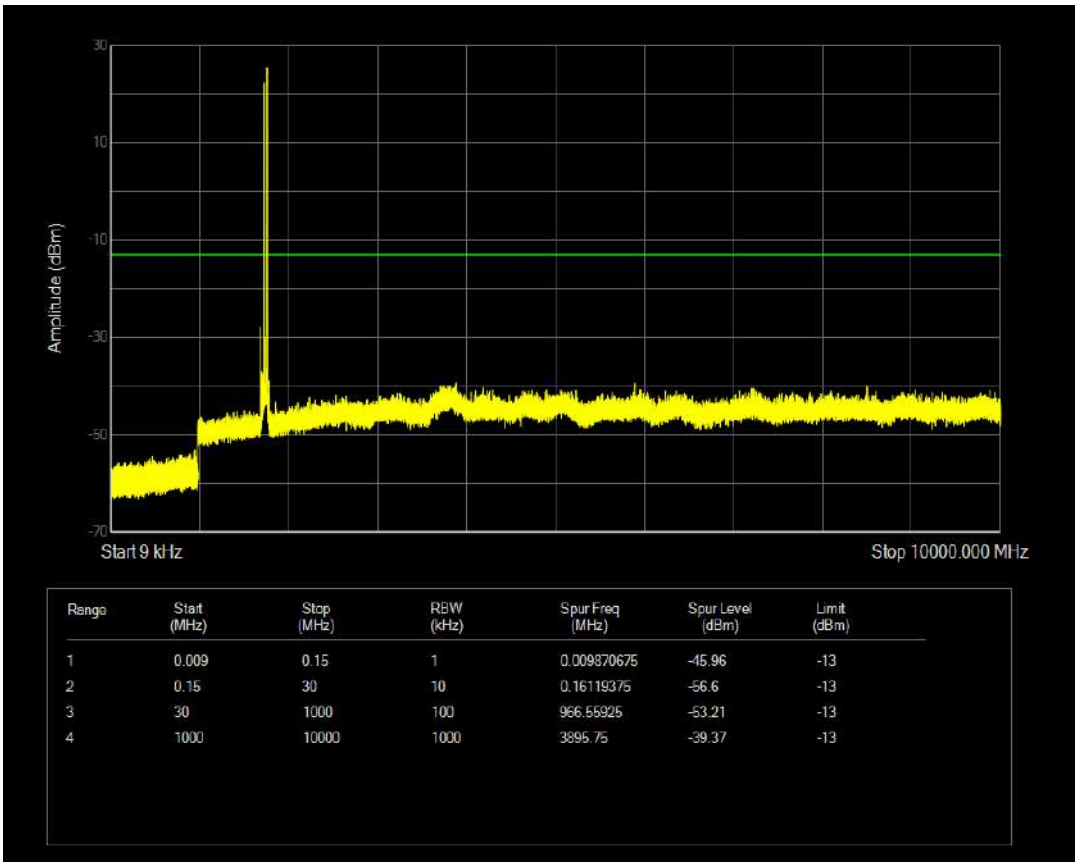
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0105087	-45.24	-13
2	0.15	30	10	0.18507375	-56.13	-13
3	30	1000	100	950.6755	-53.17	-13
4	1000	10000	1000	9808.75	-39.32	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009630975	-45.62	-13
2	0.15	30	10	0.18358125	-55.94	-13
3	30	1000	100	890.26875	-53.57	-13
4	1000	10000	1000	5001.625	-39.37	-13

n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=1@105



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009870675	-45.96	-13
2	0.15	30	10	0.16119375	-56.6	-13
3	30	1000	100	966.55925	-53.21	-13
4	1000	10000	1000	3895.75	-39.37	-13