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1 Conducted output power for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
Band2	15	5	18625	1@0	QPSK	6.44			
n66	15	5	342500	1@0	DFT_BPSK	21.76			
Sum	15					21.88	19	26	PASS
Band2	15	5	18900	8@0	QPSK	6.87			
n66	15	5	349000	12@6	DFT_BPSK	21.80			
Sum	15					21.93	19	26	PASS
Band2	15	5	18900	8@0	QPSK	7.01			
n66	15	5	349000	12@6	DFT_QPSK	21.77			
Sum	15					21.91	19	26	PASS
Band2	15	5	19175	1@17	QPSK	5.86			
n66	15	5	355500	1@24	DFT_BPSK	21.62			
Sum	15					21.73	19	26	PASS
Band2	15	5	19175	8@17	QPSK	6.22			
n66	15	5	355500	12@6	DFT_BPSK	21.60			
Sum	15					21.72	19	26	PASS
Band2	15	5	19175	1@17	QPSK	5.80			
n66	15	5	355500	1@24	DFT_QPSK	21.69			
Sum	15					21.80	19	26	PASS
Band2	15	5	19175	8@17	QPSK	6.34			
n66	15	5	355500	12@6	DFT_QPSK	21.60			
Sum	15					21.72	19	26	PASS
Band2	15	20	18700	1@0	QPSK	6.50			
n66	15	40	346000	1@0	DFT_BPSK	21.78			
Sum	15					21.90	19	26	PASS
Band2	15	20	18900	18@0	QPSK	6.66			
n66	15	40	349000	108@54	DFT_BPSK	21.84			
Sum	15					21.96	19	26	PASS
Band2	15	20	18900	18@0	QPSK	6.71			
n66	15	40	349000	108@54	DFT_QPSK	21.86			
Sum	15					21.99	19	26	PASS
Band2	15	20	19100	1@72	QPSK	5.93			
n66	15	40	352000	1@215	DFT_BPSK	21.61			
Sum	15					21.72	19	26	PASS
Band2	15	20	19100	18@72	QPSK	6.04			
n66	15	40	352000	108@54	DFT_BPSK	21.73			
Sum	15					21.84	19	26	PASS
Band2	15	20	19100	1@72	QPSK	5.81			
n66	15	40	352000	1@215	DFT_QPSK	21.51			

Sum	15					21.62	19	26	PASS
Band2	15	20	19100	18@72	QPSK	6.25			
n66	15	40	352000	108@54	DFT_QPSK	21.74			
Sum	15					21.86	19	26	PASS

2 Frequency stability for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n66	15	5	342500	12@6	DFT_BPSK	0.44	0.00026	-2.5	2.5	PASS
n66	15	5	342500	1@1	DFT_BPSK	-0.10	-0.00006	-2.5	2.5	PASS
n66	15	5	342500	1@23	DFT_BPSK	2.18	0.00127	-2.5	2.5	PASS
n66	15	5	342500	12@6	DFT_QPSK	0.89	0.00052	-2.5	2.5	PASS
n66	15	5	342500	1@1	DFT_QPSK	1.72	0.00100	-2.5	2.5	PASS
n66	15	5	342500	1@23	DFT_QPSK	1.69	0.00099	-2.5	2.5	PASS
n66	15	5	349000	12@6	DFT_BPSK	-3.24	-0.00186	-2.5	2.5	PASS
n66	15	5	349000	1@1	DFT_BPSK	-1.63	-0.00093	-2.5	2.5	PASS
n66	15	5	349000	1@23	DFT_BPSK	-0.95	-0.00054	-2.5	2.5	PASS
n66	15	5	349000	12@6	DFT_QPSK	0.69	0.00040	-2.5	2.5	PASS
n66	15	5	349000	1@1	DFT_QPSK	1.29	0.00074	-2.5	2.5	PASS
n66	15	5	349000	1@23	DFT_QPSK	1.60	0.00092	-2.5	2.5	PASS
n66	15	5	355500	12@6	DFT_BPSK	2.22	0.00125	-2.5	2.5	PASS
n66	15	5	355500	1@1	DFT_BPSK	2.16	0.00122	-2.5	2.5	PASS
n66	15	5	355500	1@23	DFT_BPSK	2.54	0.00143	-2.5	2.5	PASS
n66	15	5	355500	12@6	DFT_QPSK	-0.93	-0.00052	-2.5	2.5	PASS
n66	15	5	355500	1@1	DFT_QPSK	-1.48	-0.00083	-2.5	2.5	PASS
n66	15	5	355500	1@23	DFT_QPSK	-1.65	-0.00093	-2.5	2.5	PASS
n66	15	20	344000	50@25	DFT_BPSK	-4.05	-0.00235	-2.5	2.5	PASS
n66	15	20	344000	1@1	DFT_BPSK	-6.02	-0.00350	-2.5	2.5	PASS
n66	15	20	344000	1@104	DFT_BPSK	-6.93	-0.00403	-2.5	2.5	PASS
n66	15	20	344000	50@25	DFT_QPSK	-2.64	-0.00153	-2.5	2.5	PASS
n66	15	20	344000	1@1	DFT_QPSK	-2.69	-0.00156	-2.5	2.5	PASS
n66	15	20	344000	1@104	DFT_QPSK	-1.12	-0.00065	-2.5	2.5	PASS
n66	15	20	349000	50@25	DFT_BPSK	0.63	0.00036	-2.5	2.5	PASS
n66	15	20	349000	1@1	DFT_BPSK	1.08	0.00062	-2.5	2.5	PASS
n66	15	20	349000	1@104	DFT_BPSK	0.15	0.00009	-2.5	2.5	PASS
n66	15	20	349000	50@25	DFT_QPSK	3.86	0.00221	-2.5	2.5	PASS
n66	15	20	349000	1@1	DFT_QPSK	2.25	0.00129	-2.5	2.5	PASS
n66	15	20	349000	1@104	DFT_QPSK	1.31	0.00075	-2.5	2.5	PASS
n66	15	20	354000	50@25	DFT_BPSK	-0.59	-0.00033	-2.5	2.5	PASS
n66	15	20	354000	1@1	DFT_BPSK	0.17	0.00010	-2.5	2.5	PASS
n66	15	20	354000	1@104	DFT_BPSK	0.40	0.00023	-2.5	2.5	PASS
n66	15	20	354000	50@25	DFT_QPSK	-1.73	-0.00098	-2.5	2.5	PASS
n66	15	20	354000	1@1	DFT_QPSK	0.35	0.00020	-2.5	2.5	PASS
n66	15	20	354000	1@104	DFT_QPSK	0.24	0.00014	-2.5	2.5	PASS
n66	15	40	346000	108@54	DFT_BPSK	-1.07	-0.00062	-2.5	2.5	PASS
n66	15	40	346000	1@1	DFT_BPSK	-2.30	-0.00133	-2.5	2.5	PASS
n66	15	40	346000	1@214	DFT_BPSK	-2.47	-0.00143	-2.5	2.5	PASS

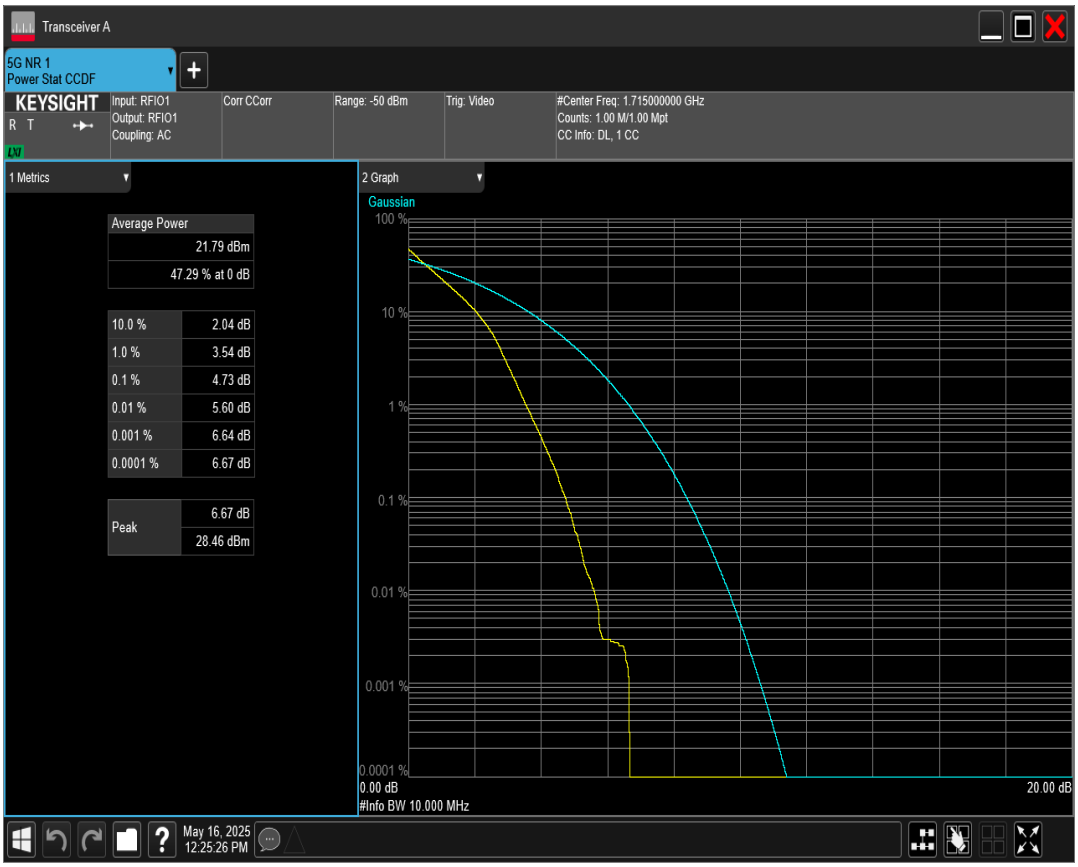
n66	15	40	346000	108@54	DFT_QPSK	0.39	0.00023	-2.5	2.5	PASS
n66	15	40	346000	1@1	DFT_QPSK	0.56	0.00032	-2.5	2.5	PASS
n66	15	40	346000	1@214	DFT_QPSK	-0.04	-0.00002	-2.5	2.5	PASS
n66	15	40	349000	108@54	DFT_BPSK	-0.31	-0.00018	-2.5	2.5	PASS
n66	15	40	349000	1@1	DFT_BPSK	0.02	0.00001	-2.5	2.5	PASS
n66	15	40	349000	1@214	DFT_BPSK	0.48	0.00028	-2.5	2.5	PASS
n66	15	40	349000	108@54	DFT_QPSK	1.82	0.00104	-2.5	2.5	PASS
n66	15	40	349000	1@1	DFT_QPSK	1.23	0.00070	-2.5	2.5	PASS
n66	15	40	349000	1@214	DFT_QPSK	-0.86	-0.00049	-2.5	2.5	PASS
n66	15	40	352000	108@54	DFT_BPSK	-0.15	-0.00009	-2.5	2.5	PASS
n66	15	40	352000	1@1	DFT_BPSK	-0.45	-0.00026	-2.5	2.5	PASS
n66	15	40	352000	1@214	DFT_BPSK	0.71	0.00040	-2.5	2.5	PASS
n66	15	40	352000	108@54	DFT_QPSK	-0.87	-0.00049	-2.5	2.5	PASS
n66	15	40	352000	1@1	DFT_QPSK	-1.24	-0.00070	-2.5	2.5	PASS
n66	15	40	352000	1@214	DFT_QPSK	1.94	0.00110	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n66	15	5	342500	25@0	DFT_BPSK	4.58	13	PASS
n66	15	5	342500	25@0	DFT_QPSK	5.98	13	PASS
n66	15	5	342500	25@0	DFT_QAM16	6.68	13	PASS
n66	15	5	342500	25@0	DFT_QAM64	6.99	13	PASS
n66	15	5	342500	25@0	DFT_QAM256	6.94	13	PASS
n66	15	5	349000	25@0	DFT_BPSK	6.22	13	PASS
n66	15	5	349000	25@0	DFT_QPSK	6.47	13	PASS
n66	15	5	349000	25@0	DFT_QAM16	6.71	13	PASS
n66	15	5	349000	25@0	DFT_QAM64	6.80	13	PASS
n66	15	5	349000	25@0	DFT_QAM256	6.84	13	PASS
n66	15	5	355500	25@0	DFT_BPSK	4.97	13	PASS
n66	15	5	355500	25@0	DFT_QPSK	5.80	13	PASS
n66	15	5	355500	25@0	DFT_QAM16	6.36	13	PASS
n66	15	5	355500	25@0	DFT_QAM64	6.71	13	PASS
n66	15	5	355500	25@0	DFT_QAM256	6.91	13	PASS
n66	15	10	343000	50@0	DFT_BPSK	4.73	13	PASS
n66	15	10	343000	50@0	DFT_QPSK	6.07	13	PASS
n66	15	10	343000	50@0	DFT_QAM16	6.60	13	PASS
n66	15	10	343000	50@0	DFT_QAM64	6.82	13	PASS
n66	15	10	343000	50@0	DFT_QAM256	6.75	13	PASS
n66	15	10	349000	50@0	DFT_BPSK	5.71	13	PASS
n66	15	10	349000	50@0	DFT_QPSK	5.97	13	PASS
n66	15	10	349000	50@0	DFT_QAM16	6.43	13	PASS
n66	15	10	349000	50@0	DFT_QAM64	6.54	13	PASS
n66	15	10	349000	50@0	DFT_QAM256	6.72	13	PASS
n66	15	10	355000	50@0	DFT_BPSK	5.21	13	PASS
n66	15	10	355000	50@0	DFT_QPSK	5.81	13	PASS
n66	15	10	355000	50@0	DFT_QAM16	6.46	13	PASS
n66	15	10	355000	50@0	DFT_QAM64	6.43	13	PASS
n66	15	10	355000	50@0	DFT_QAM256	6.82	13	PASS
n66	15	15	343500	75@0	DFT_BPSK	4.96	13	PASS
n66	15	15	343500	75@0	DFT_QPSK	5.80	13	PASS
n66	15	15	343500	75@0	DFT_QAM16	6.65	13	PASS
n66	15	15	343500	75@0	DFT_QAM64	6.69	13	PASS
n66	15	15	343500	75@0	DFT_QAM256	6.69	13	PASS
n66	15	15	349000	75@0	DFT_BPSK	4.71	13	PASS
n66	15	15	349000	75@0	DFT_QPSK	5.94	13	PASS
n66	15	15	349000	75@0	DFT_QAM16	6.78	13	PASS
n66	15	15	349000	75@0	DFT_QAM64	6.60	13	PASS

n66	15	15	349000	75@0	DFT_QAM256	6.79	13	PASS
n66	15	15	354500	75@0	DFT_BPSK	5.14	13	PASS
n66	15	15	354500	75@0	DFT_QPSK	5.75	13	PASS
n66	15	15	354500	75@0	DFT_QAM16	6.40	13	PASS
n66	15	15	354500	75@0	DFT_QAM64	6.63	13	PASS
n66	15	15	354500	75@0	DFT_QAM256	6.62	13	PASS
n66	15	20	344000	100@0	DFT_BPSK	4.66	13	PASS
n66	15	20	344000	100@0	DFT_QPSK	5.90	13	PASS
n66	15	20	344000	100@0	DFT_QAM16	6.62	13	PASS
n66	15	20	344000	100@0	DFT_QAM64	6.68	13	PASS
n66	15	20	344000	100@0	DFT_QAM256	6.80	13	PASS
n66	15	20	349000	100@0	DFT_BPSK	6.18	13	PASS
n66	15	20	349000	100@0	DFT_QPSK	6.02	13	PASS
n66	15	20	349000	100@0	DFT_QAM16	6.54	13	PASS
n66	15	20	349000	100@0	DFT_QAM64	6.64	13	PASS
n66	15	20	349000	100@0	DFT_QAM256	6.75	13	PASS
n66	15	20	354000	100@0	DFT_BPSK	4.64	13	PASS
n66	15	20	354000	100@0	DFT_QPSK	5.82	13	PASS
n66	15	20	354000	100@0	DFT_QAM16	6.53	13	PASS
n66	15	20	354000	100@0	DFT_QAM64	6.55	13	PASS
n66	15	20	354000	100@0	DFT_QAM256	6.63	13	PASS
n66	15	40	346000	216@0	DFT_BPSK	4.53	13	PASS
n66	15	40	346000	216@0	DFT_QPSK	5.79	13	PASS
n66	15	40	346000	216@0	DFT_QAM16	6.43	13	PASS
n66	15	40	346000	216@0	DFT_QAM64	6.54	13	PASS
n66	15	40	346000	216@0	DFT_QAM256	6.73	13	PASS
n66	15	40	349000	216@0	DFT_BPSK	4.66	13	PASS
n66	15	40	349000	216@0	DFT_QPSK	5.78	13	PASS
n66	15	40	349000	216@0	DFT_QAM16	6.50	13	PASS
n66	15	40	349000	216@0	DFT_QAM64	6.52	13	PASS
n66	15	40	349000	216@0	DFT_QAM256	6.75	13	PASS
n66	15	40	352000	216@0	DFT_BPSK	4.83	13	PASS
n66	15	40	352000	216@0	DFT_QPSK	5.71	13	PASS
n66	15	40	352000	216@0	DFT_QAM16	6.48	13	PASS
n66	15	40	352000	216@0	DFT_QAM64	6.47	13	PASS
n66	15	40	352000	216@0	DFT_QAM256	6.79	13	PASS

n66 SCS=15kHz DFT_BPSK BW=10MHz Channel=343000 RB=50@0



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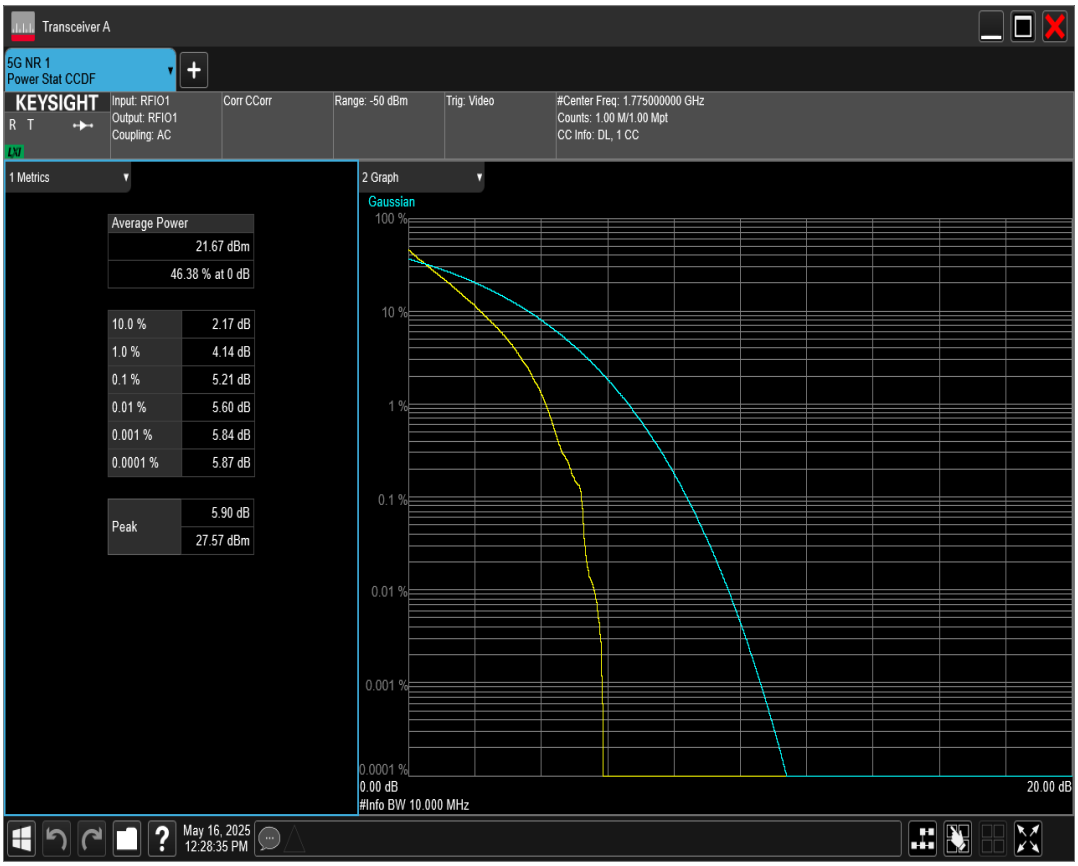

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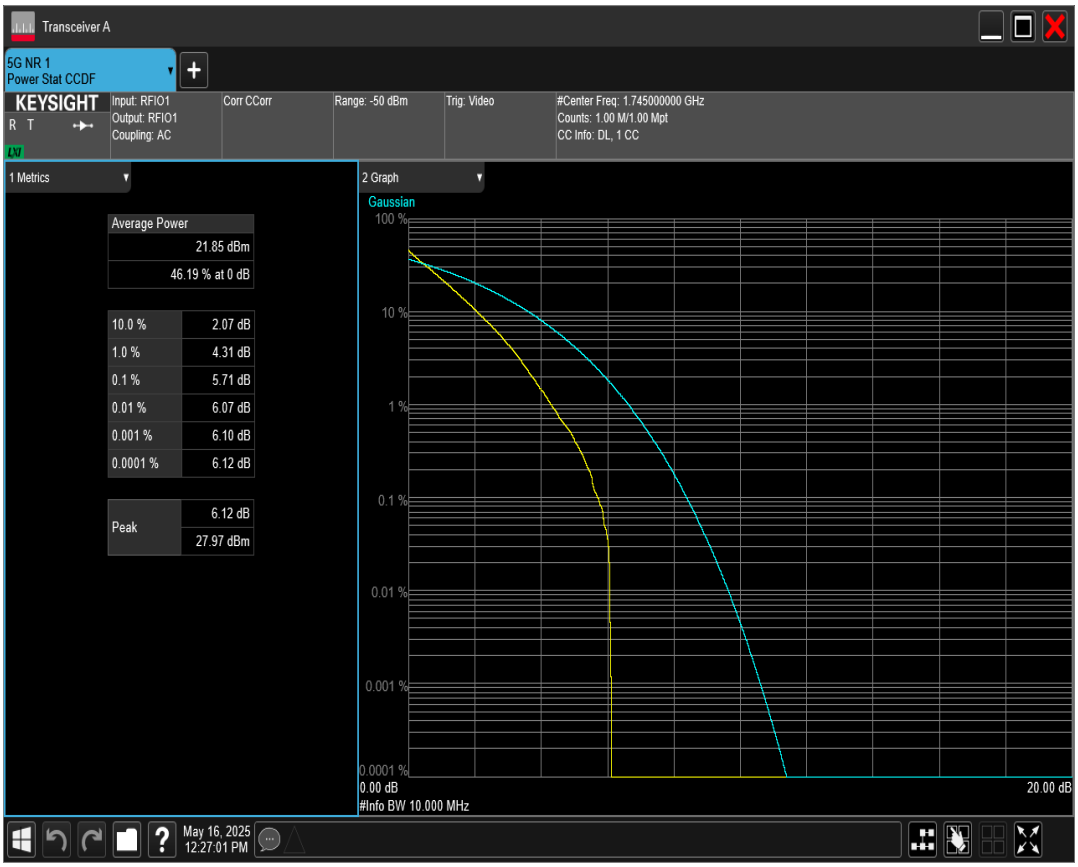

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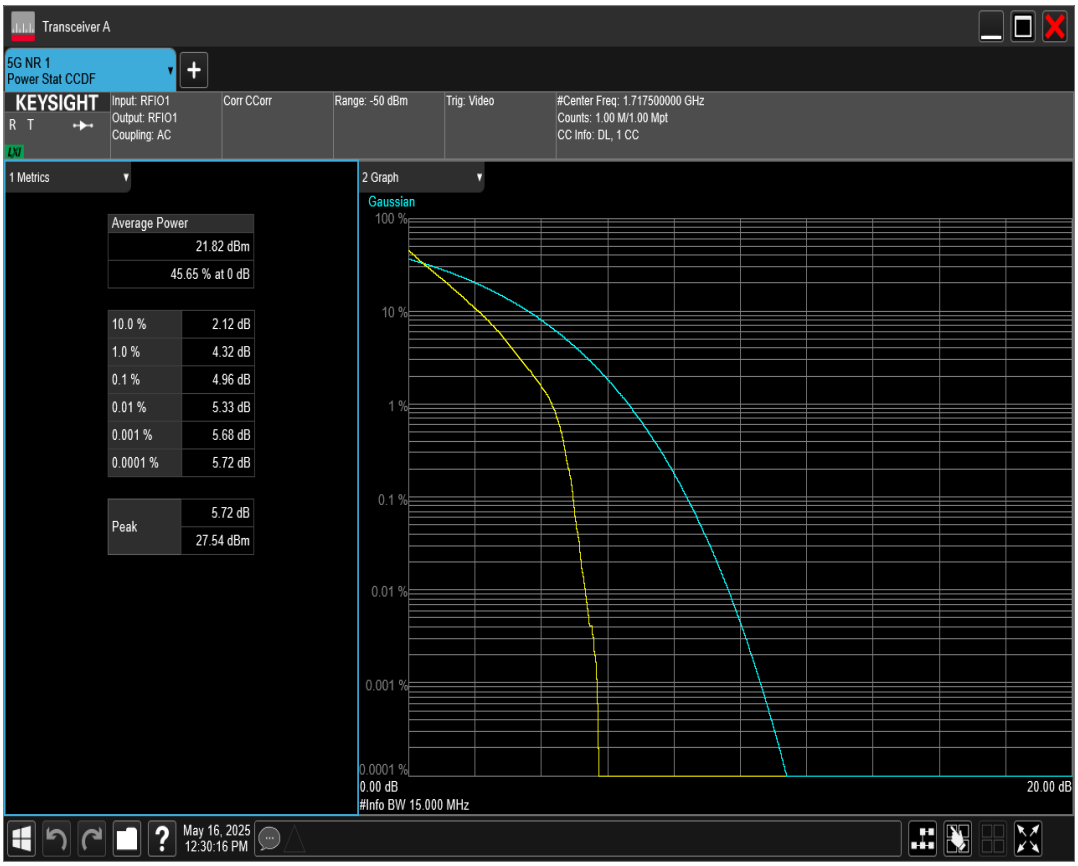

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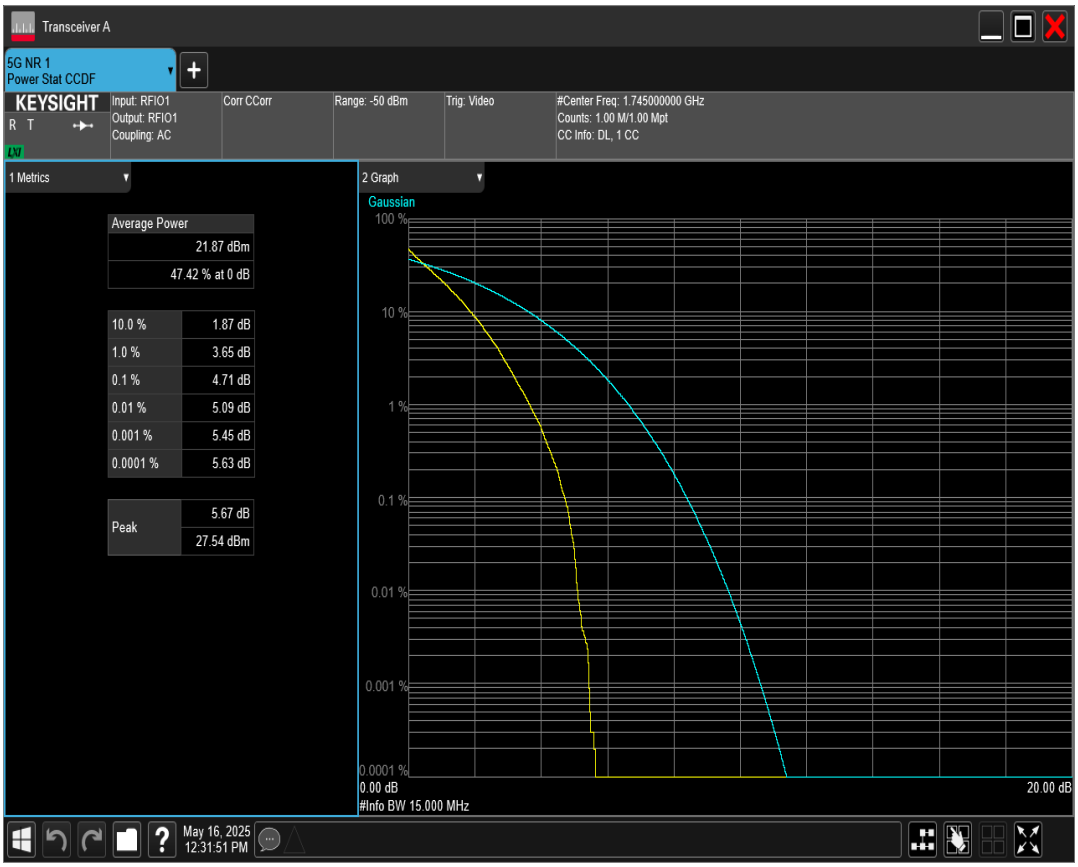
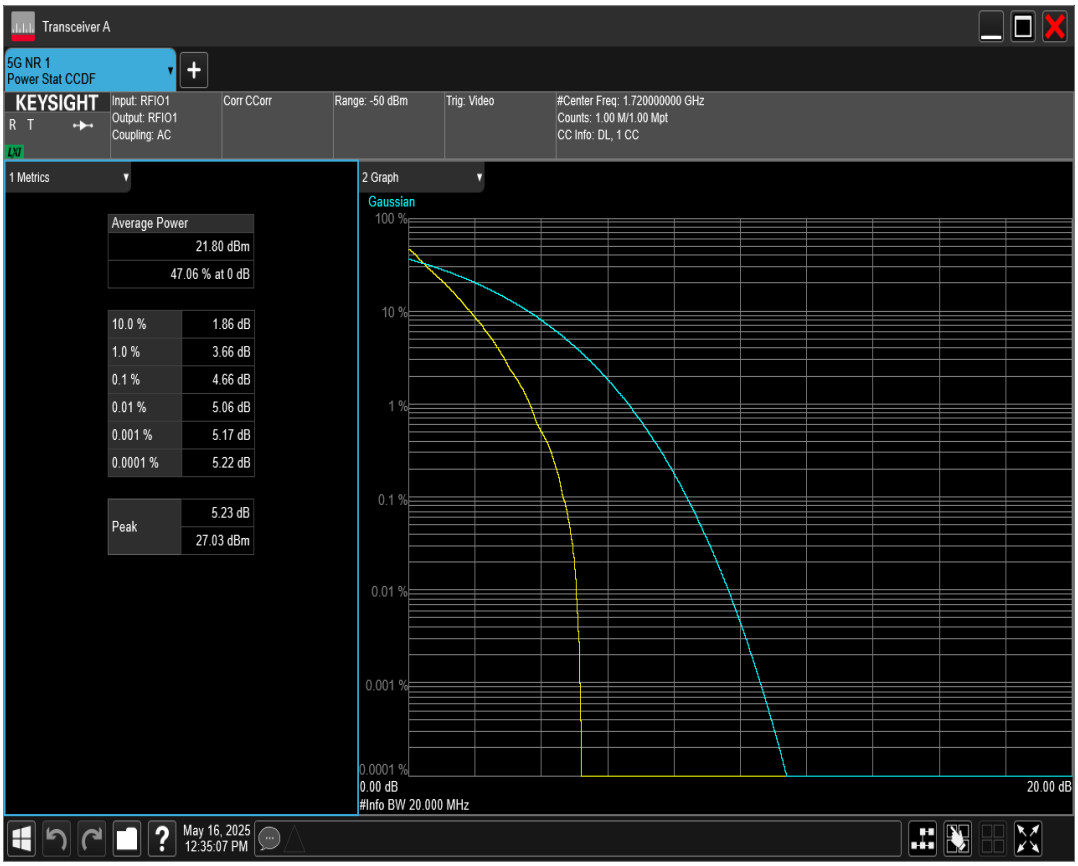
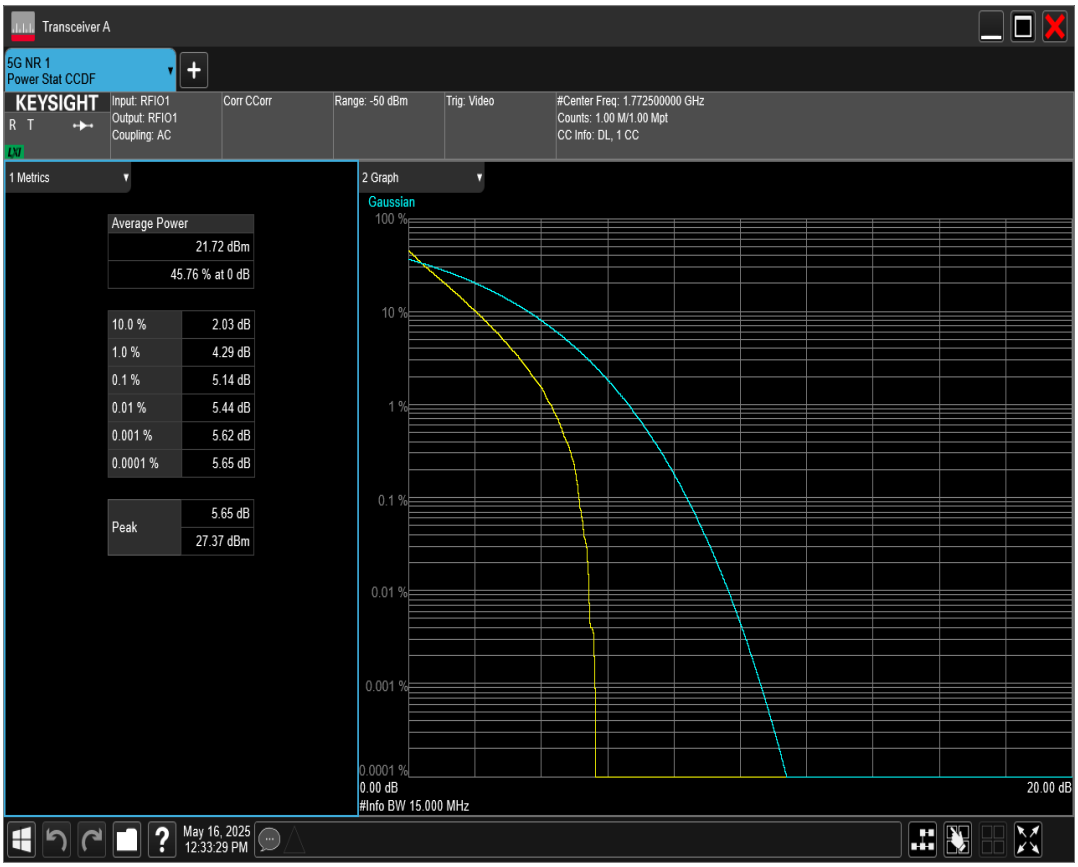


n66 SCS=15kHz DFT_BPSK BW=20MHz Channel=344000 RB=100@0



n66 SCS=15kHz DFT_BPSK BW=15MHz Channel=354500 RB=75@0



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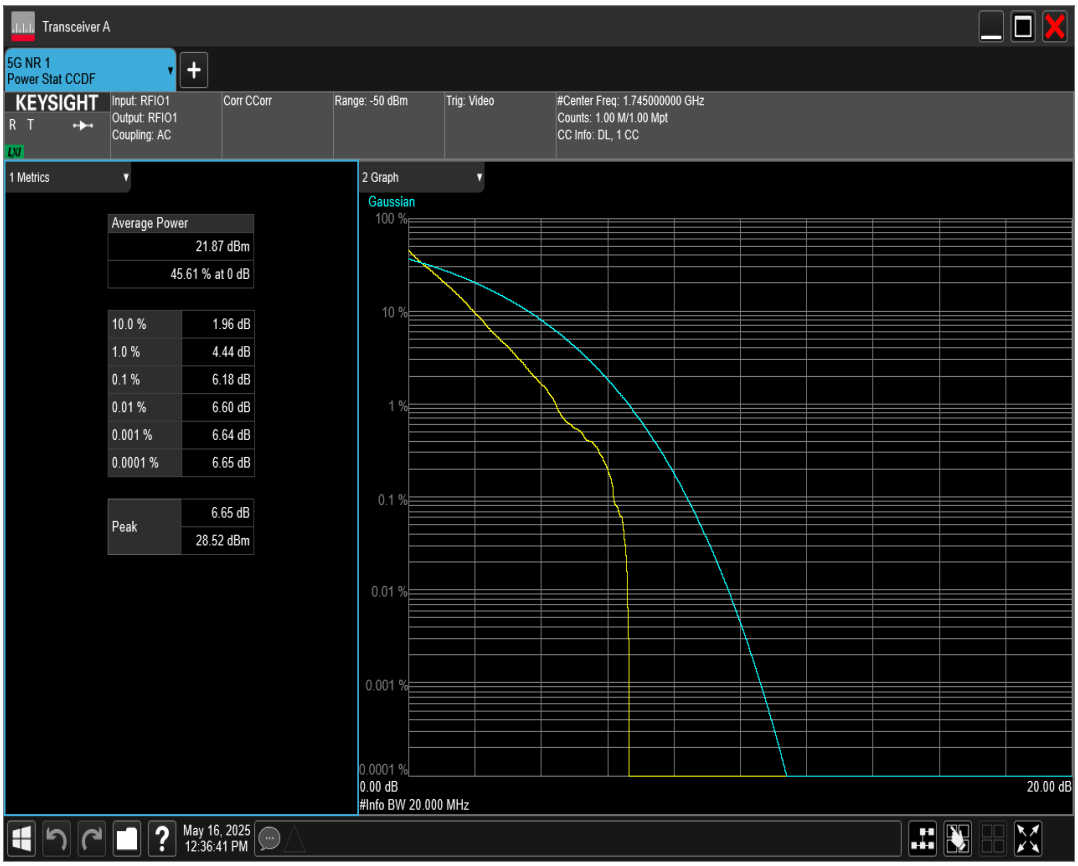

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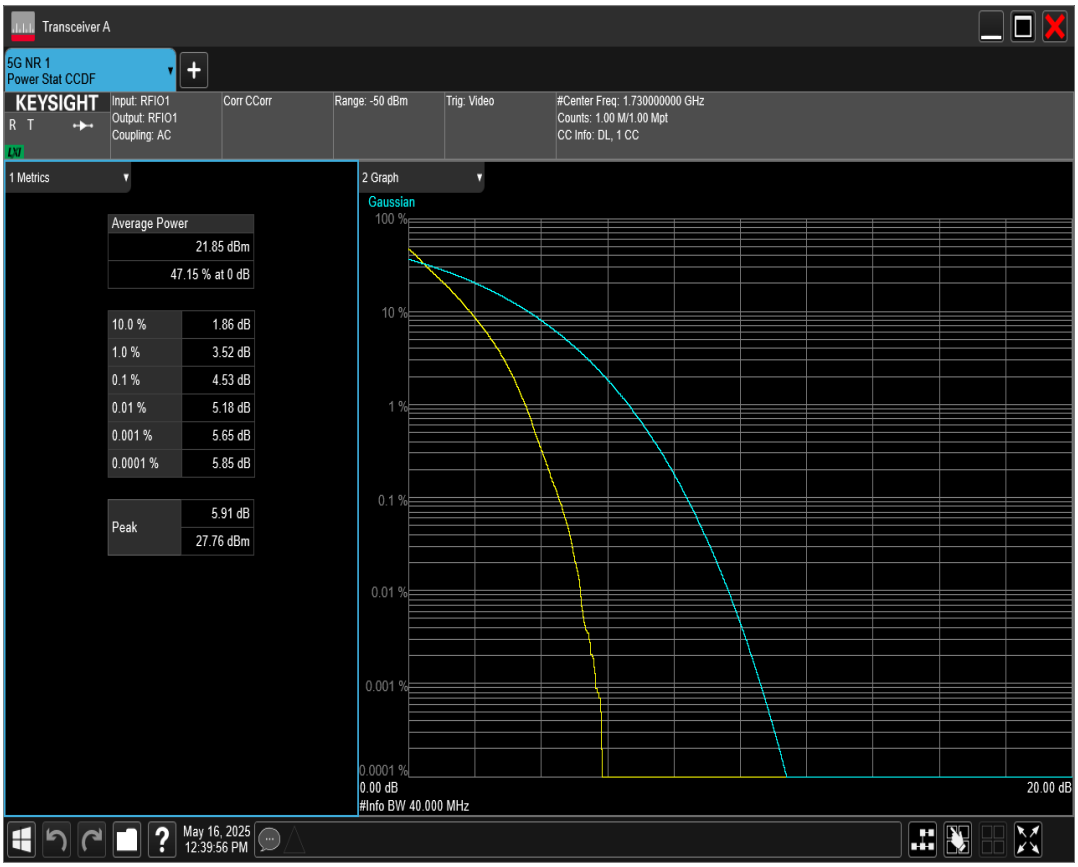

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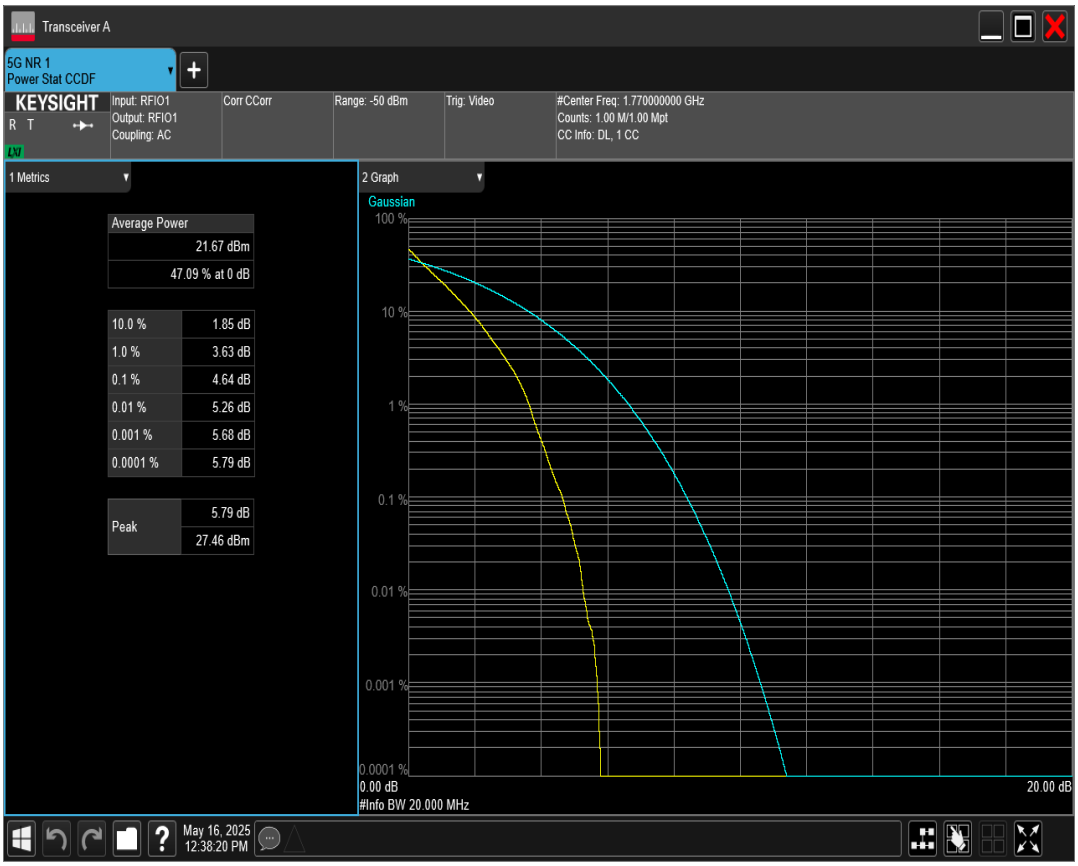
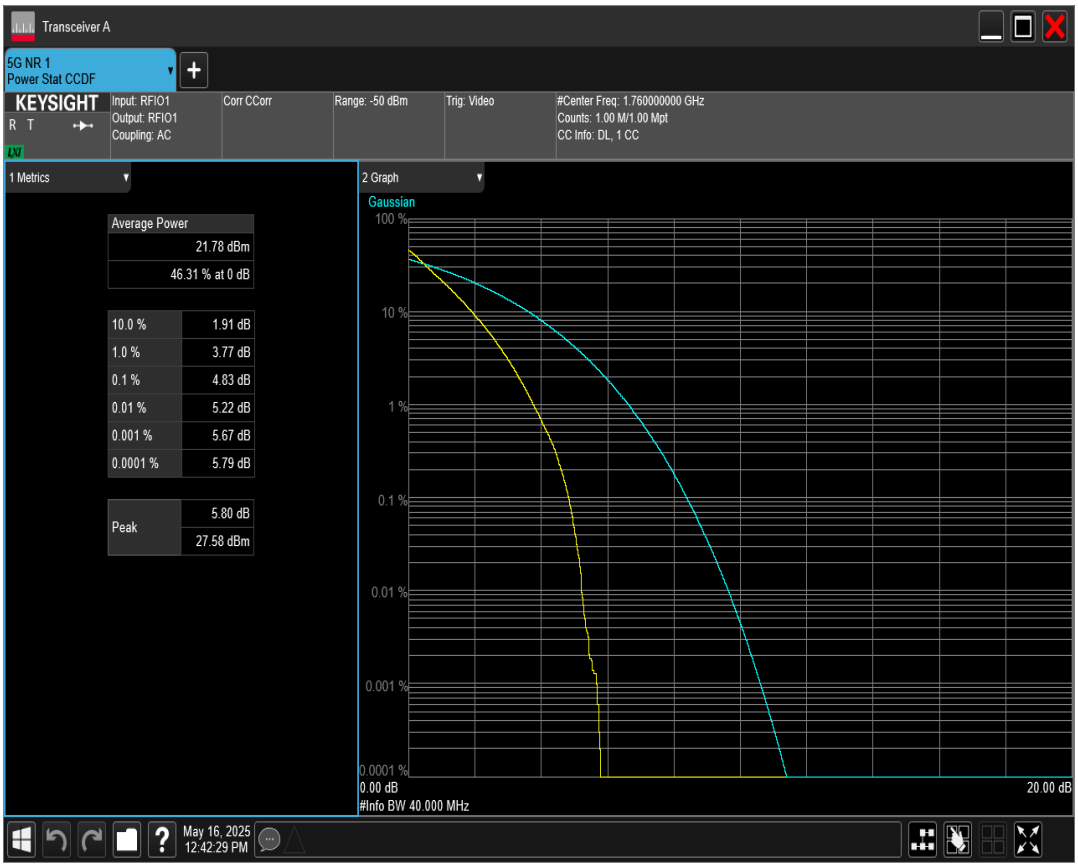
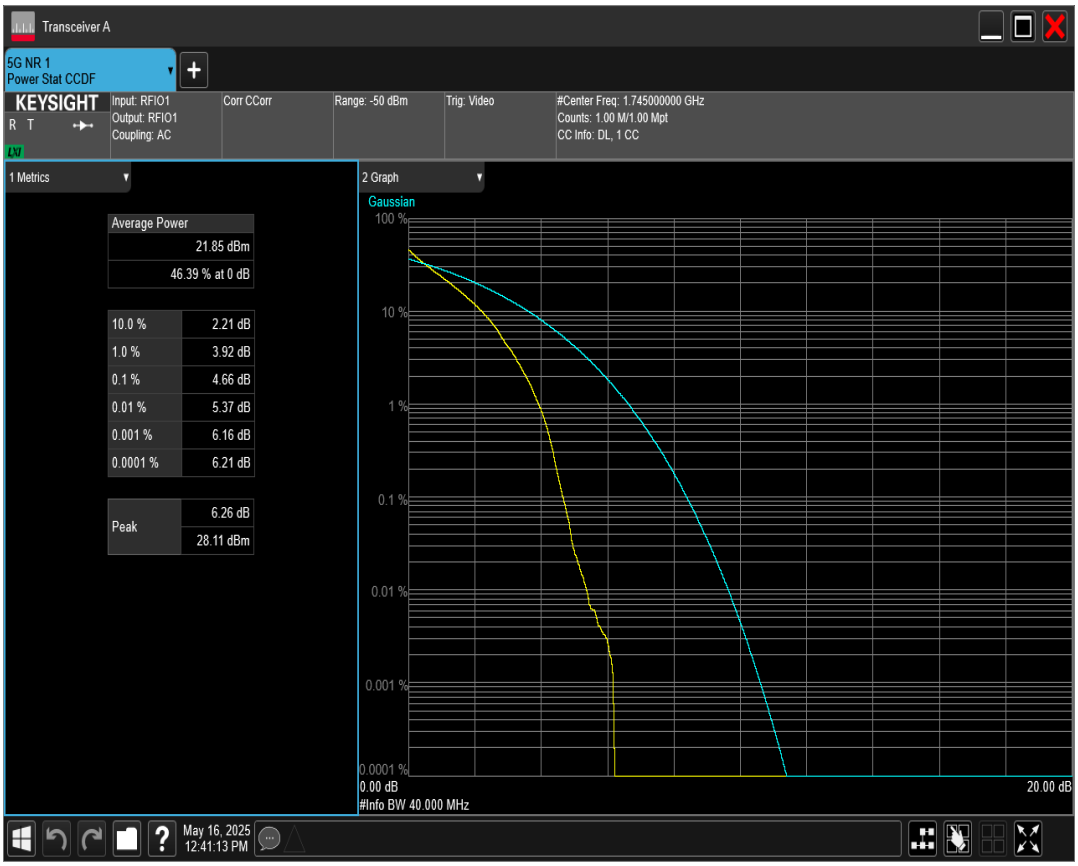


n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=352000 RB=216@0



n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=349000 RB=216@0



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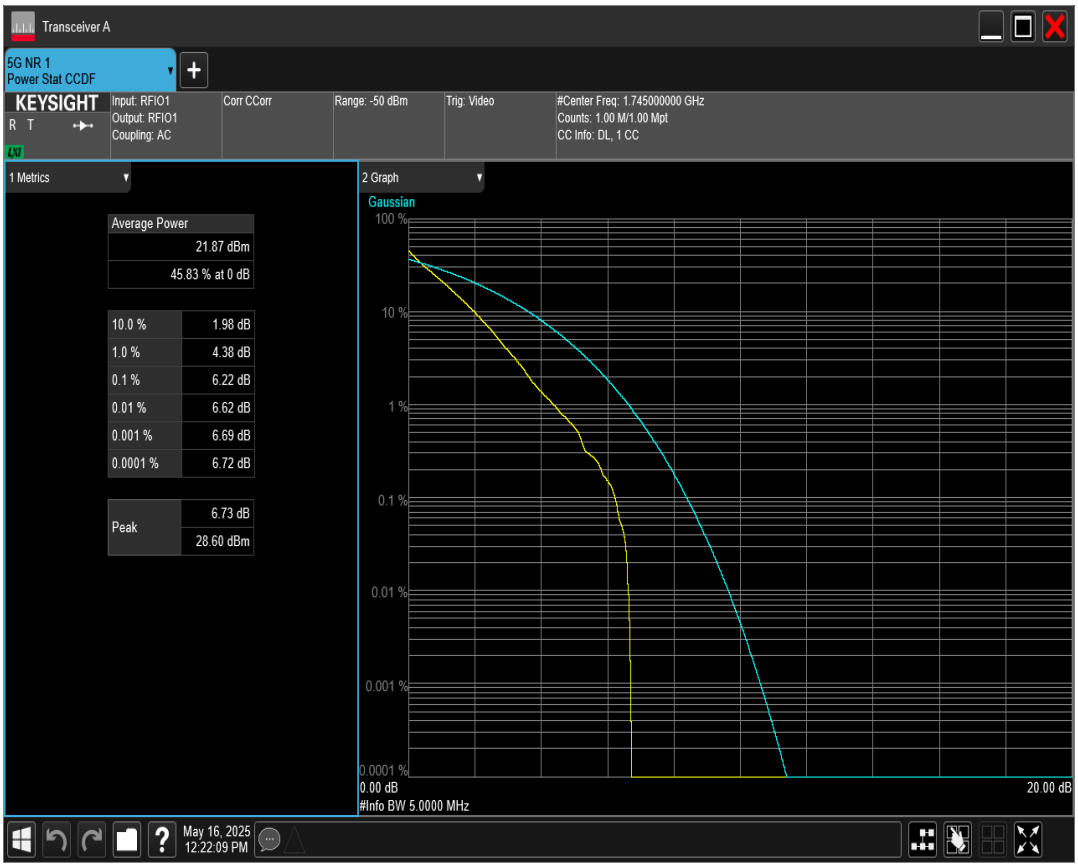

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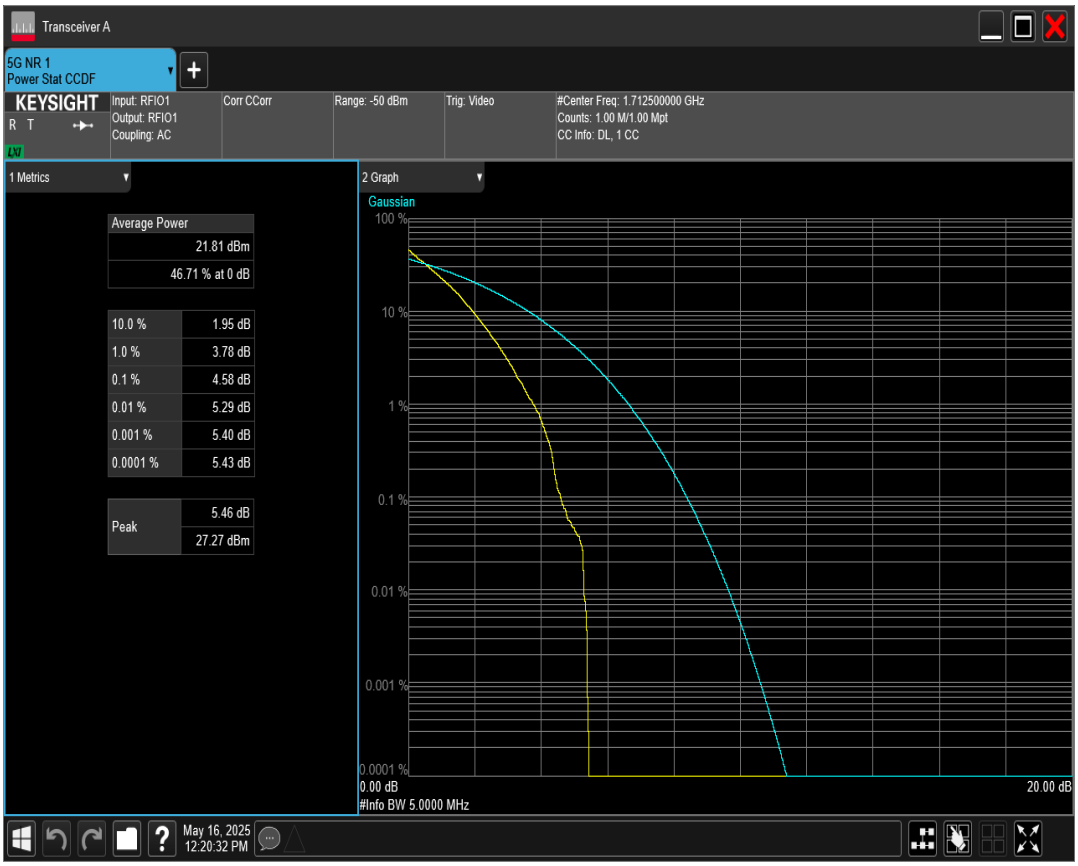

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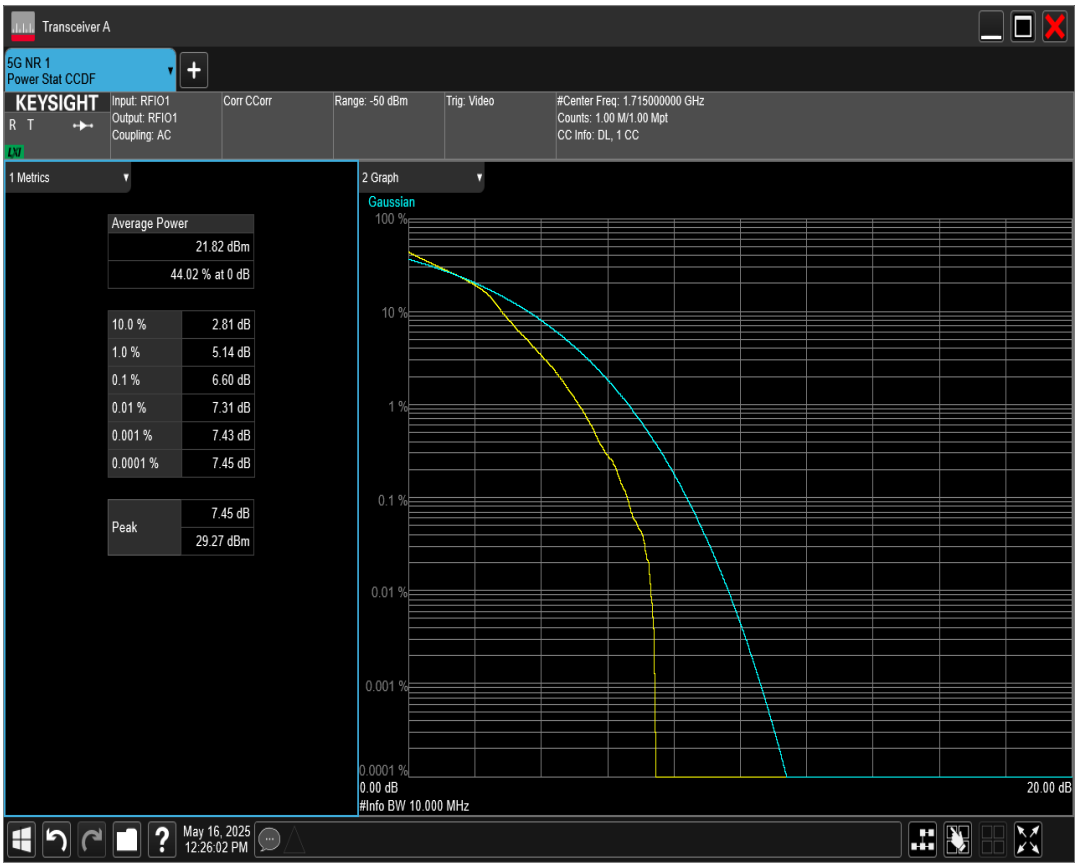
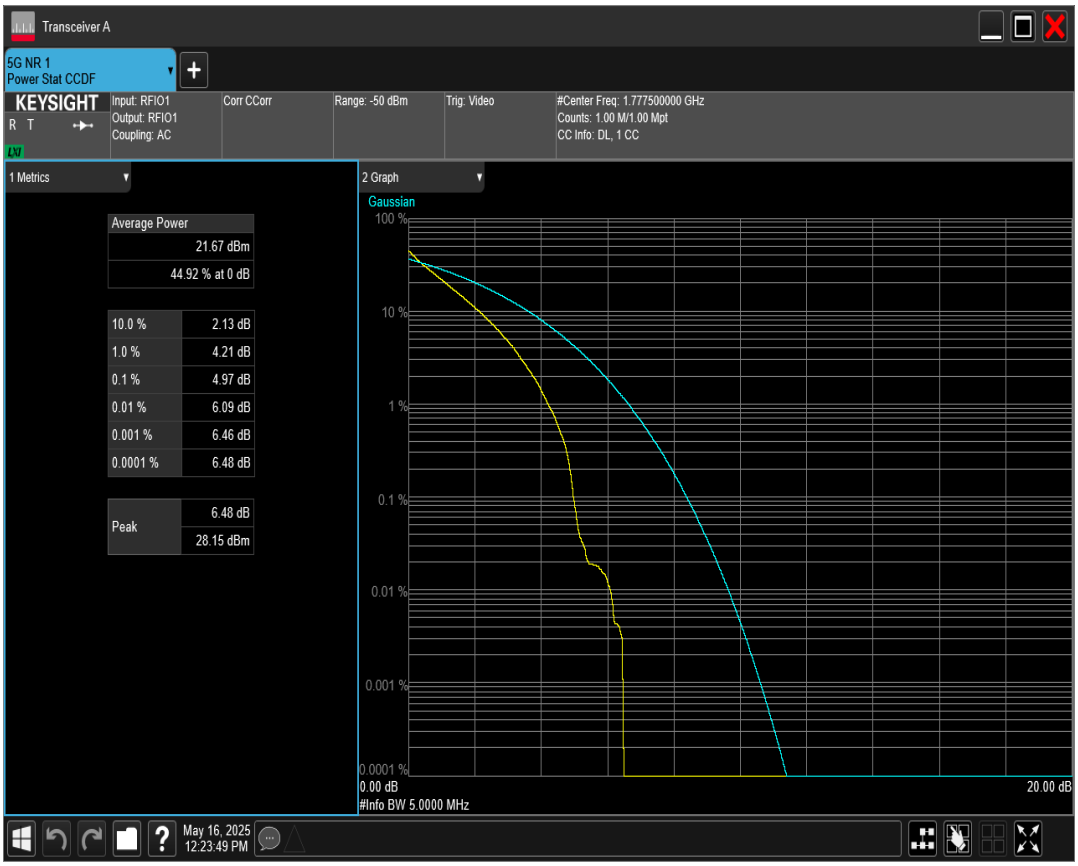


n66 SCS=15kHz DFT_BPSK BW=5MHz Channel=355500 RB=25@0



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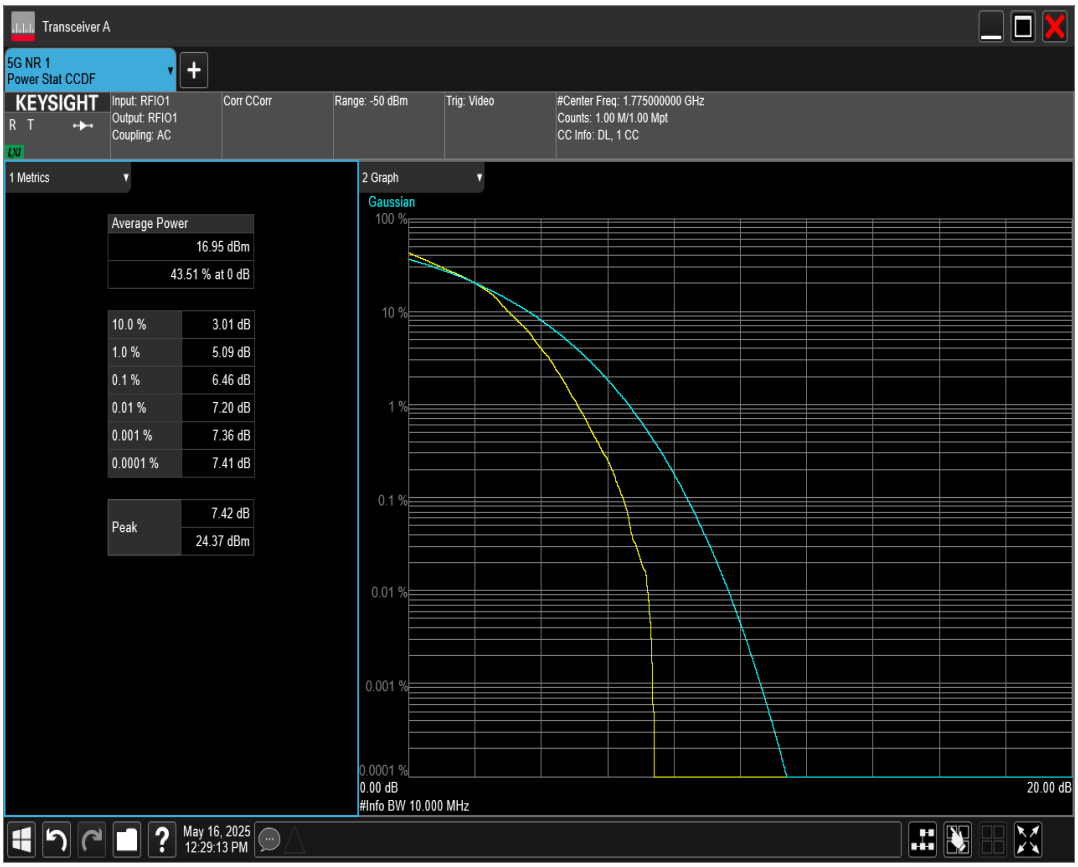

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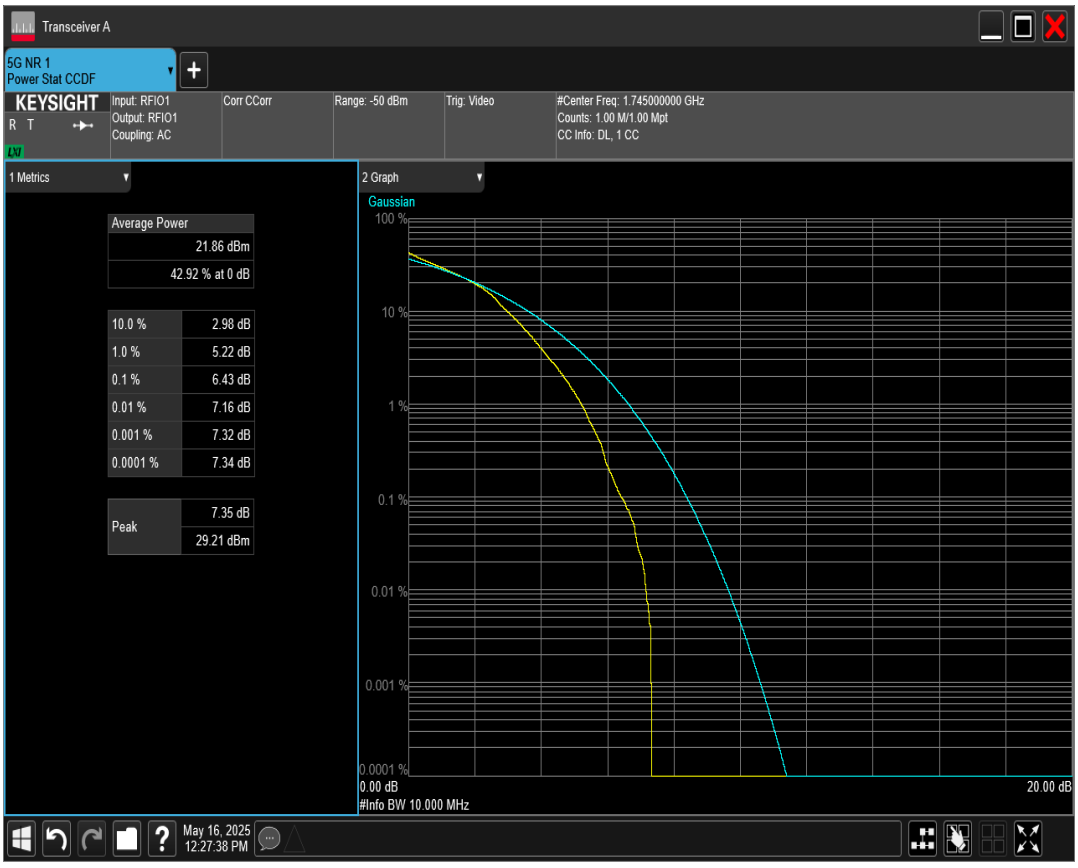

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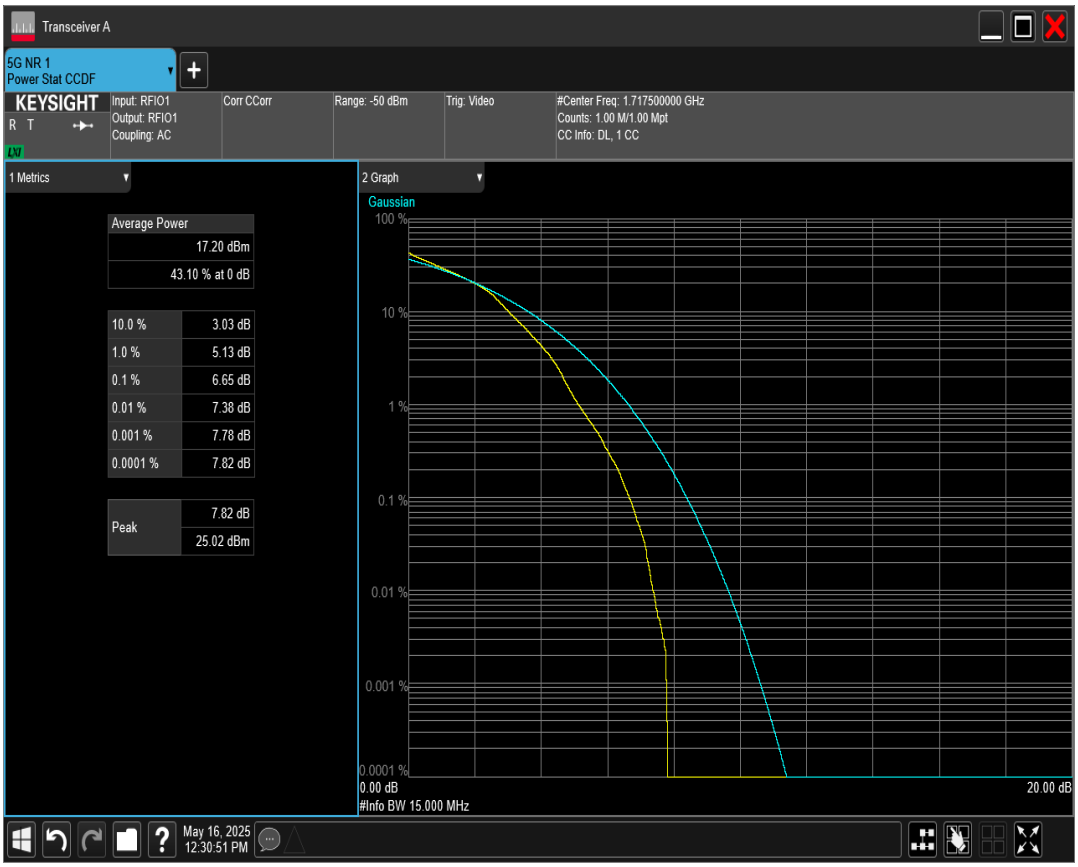

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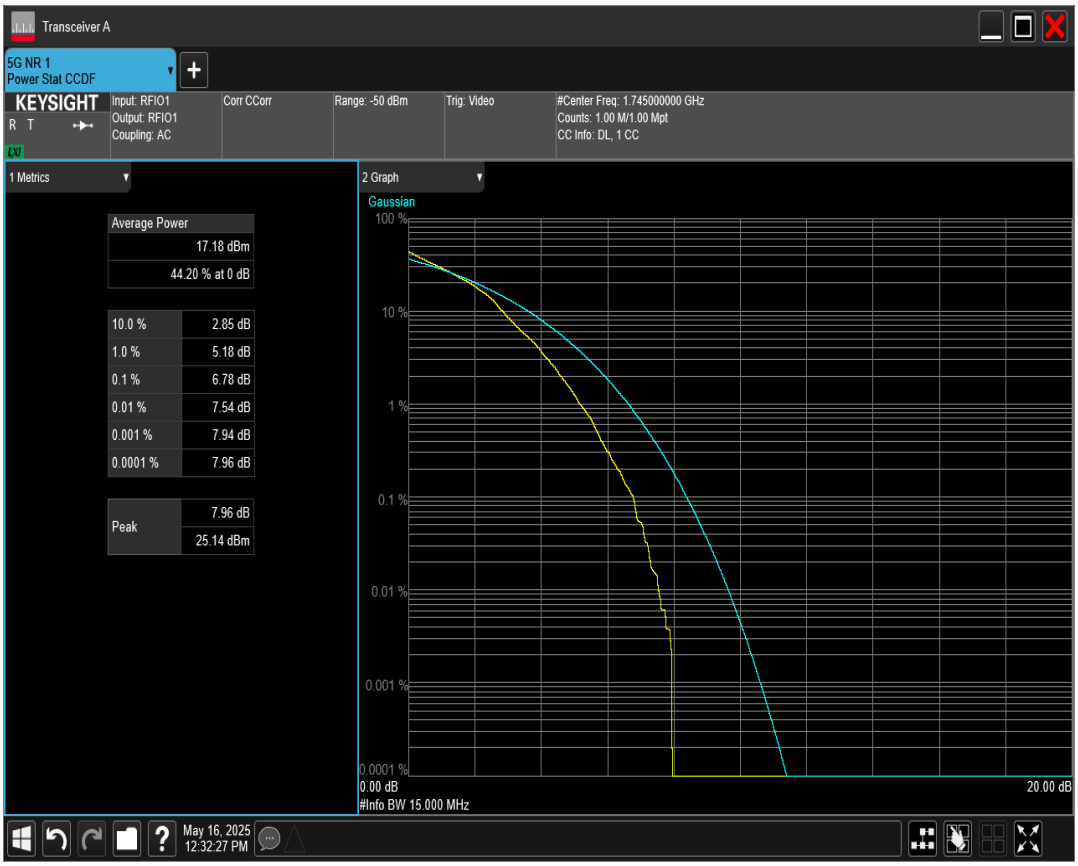

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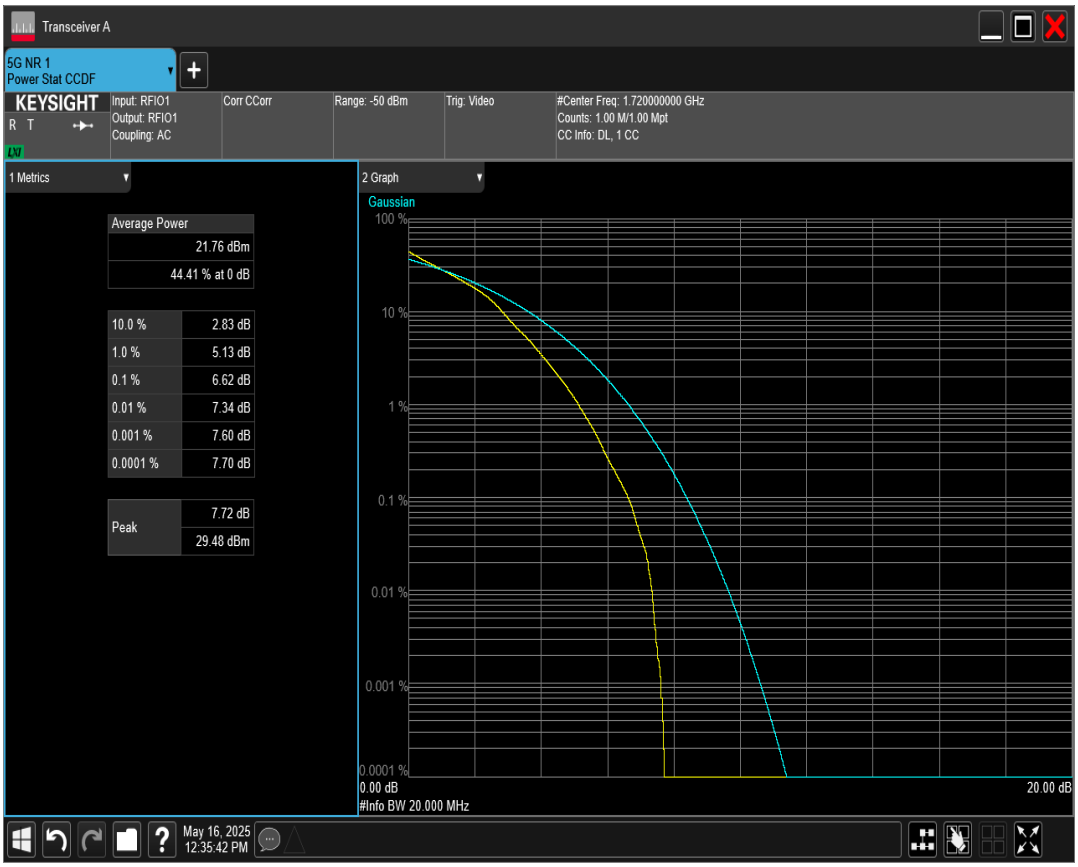

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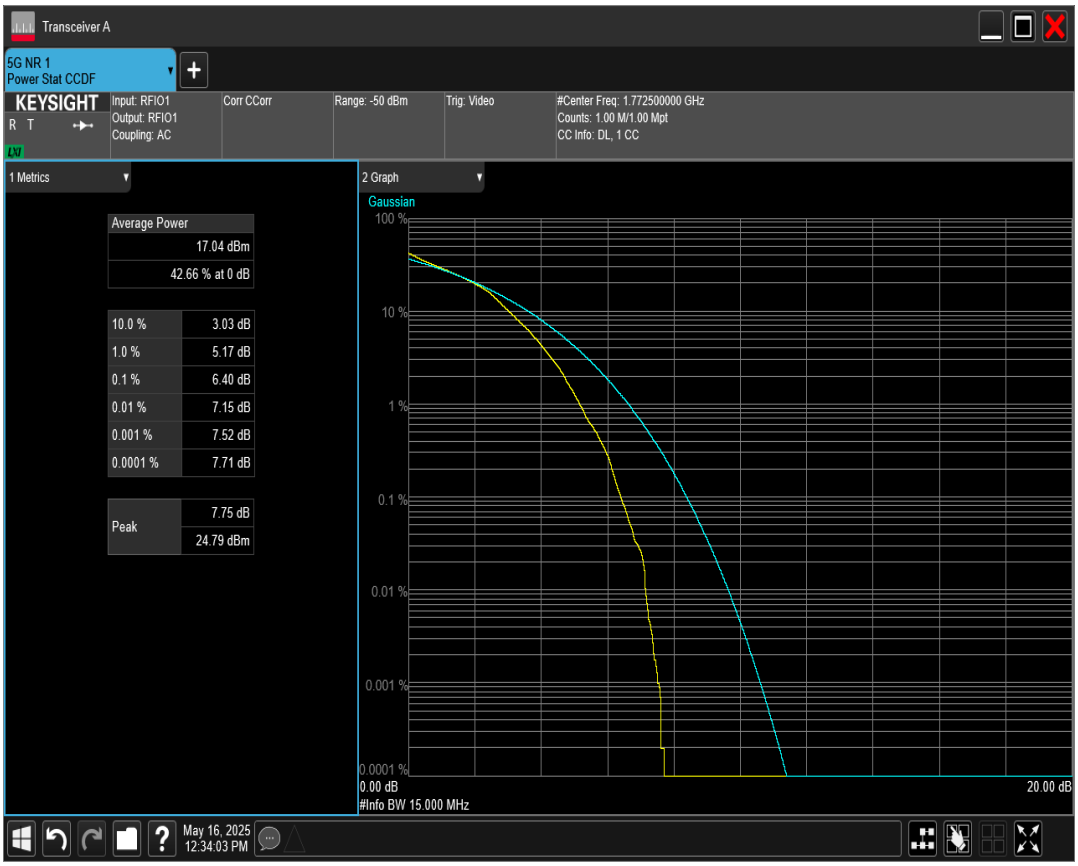

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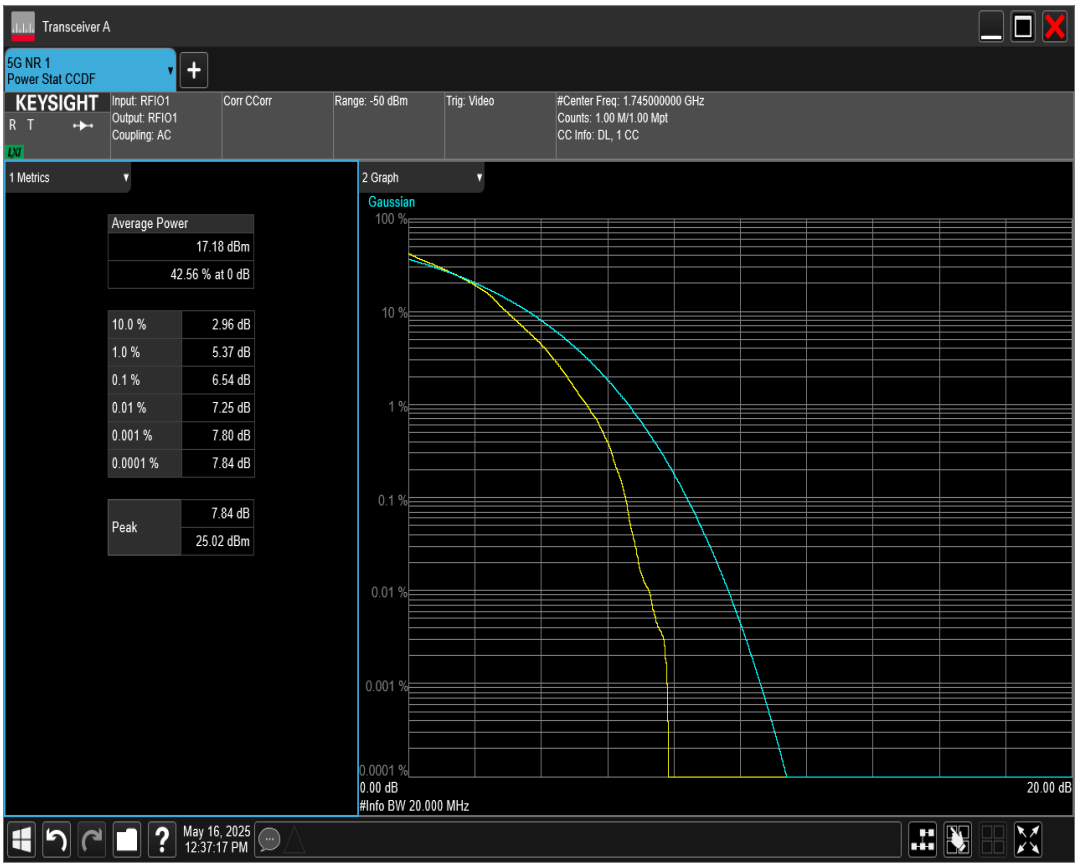

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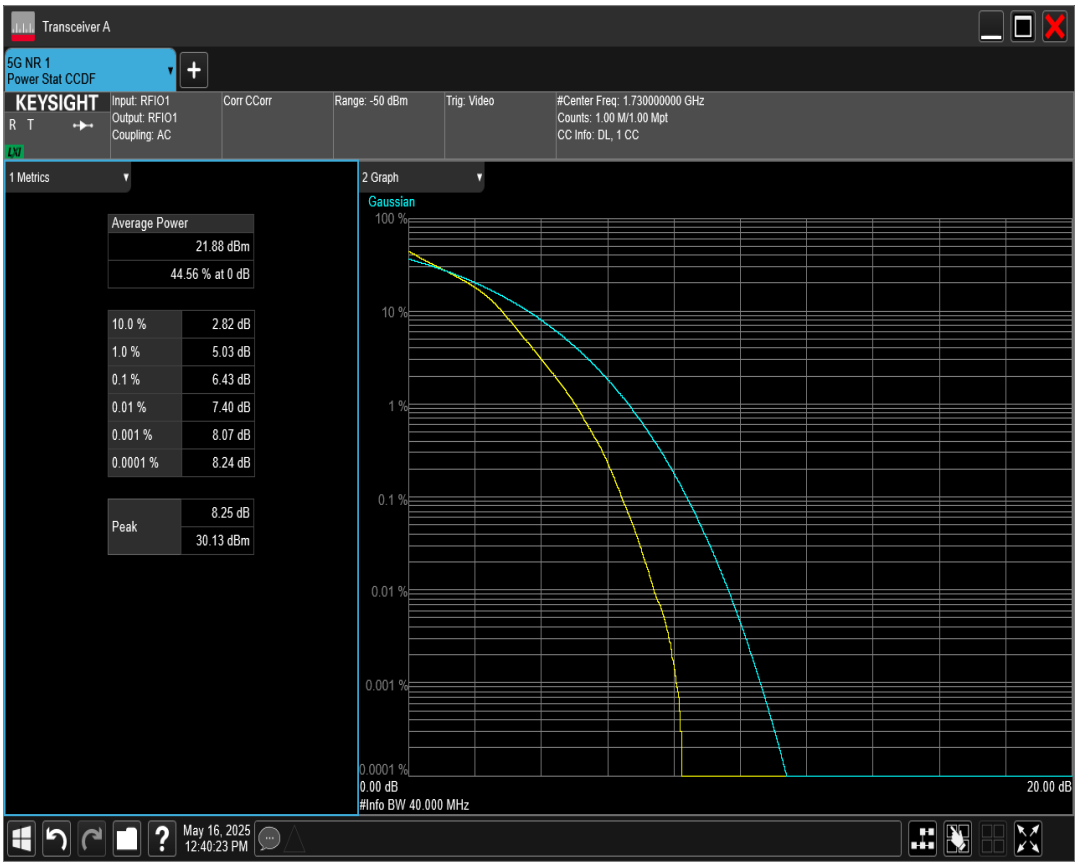

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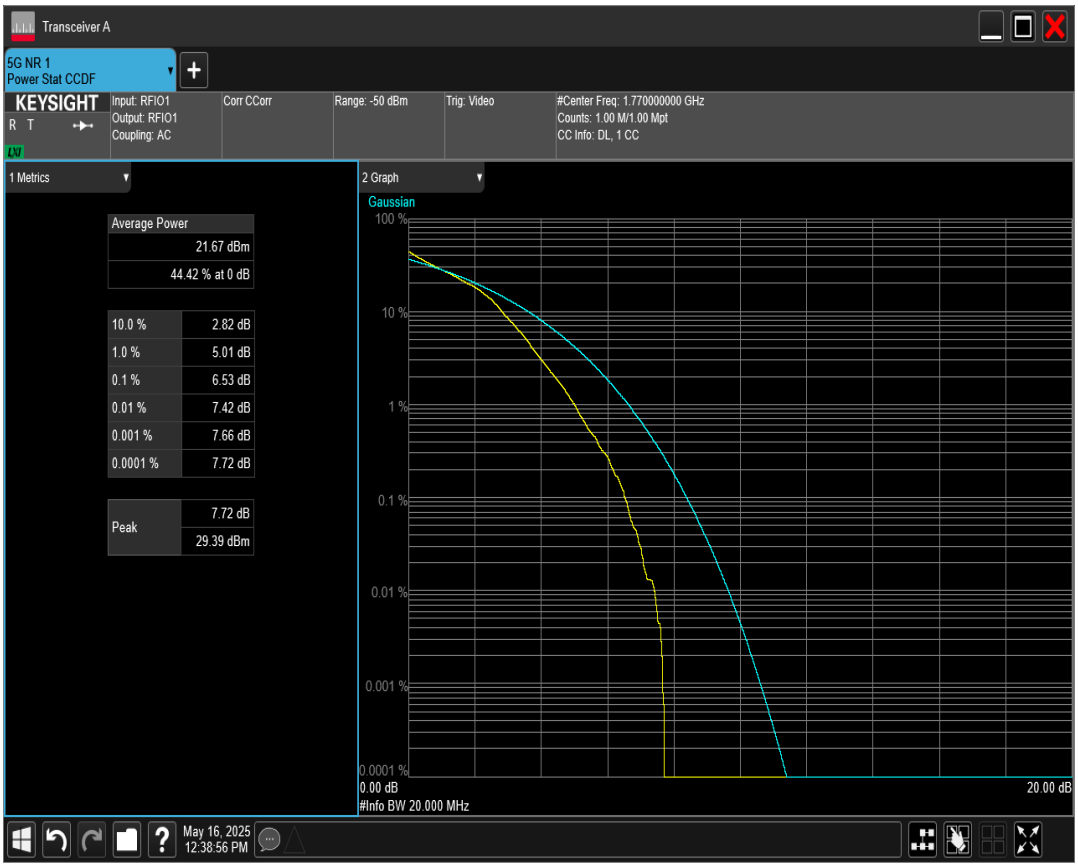

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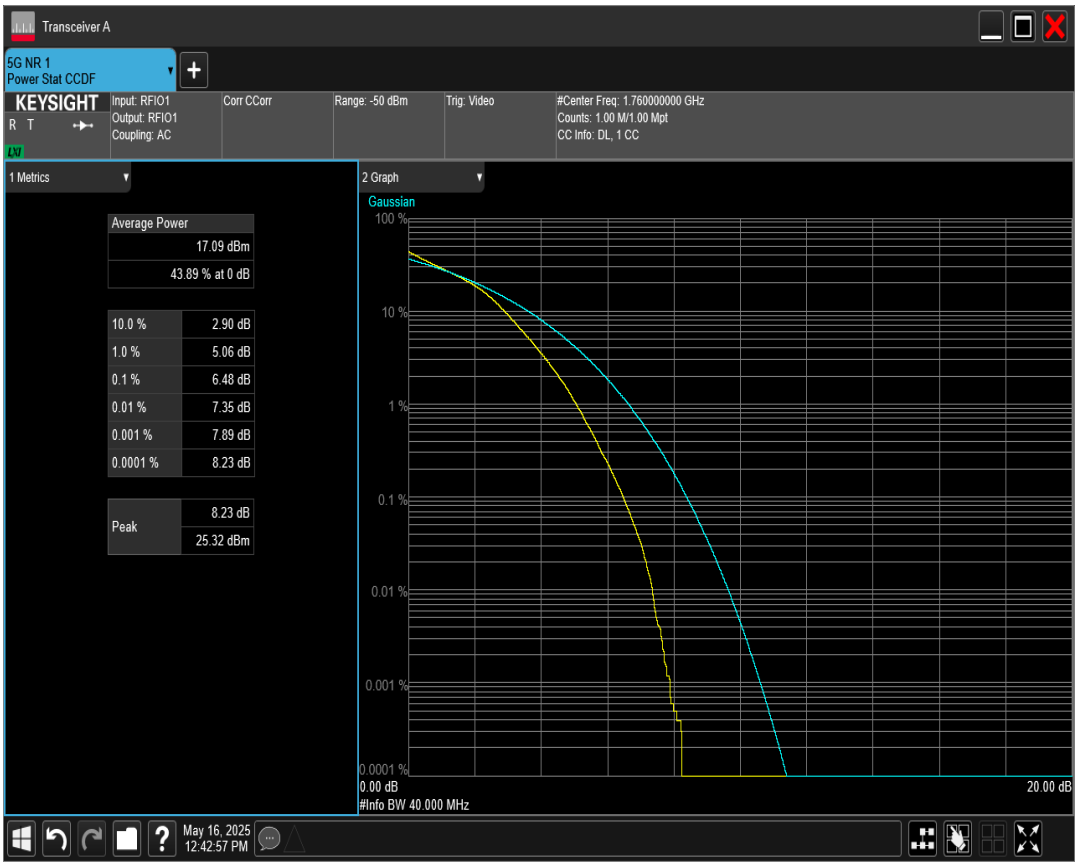

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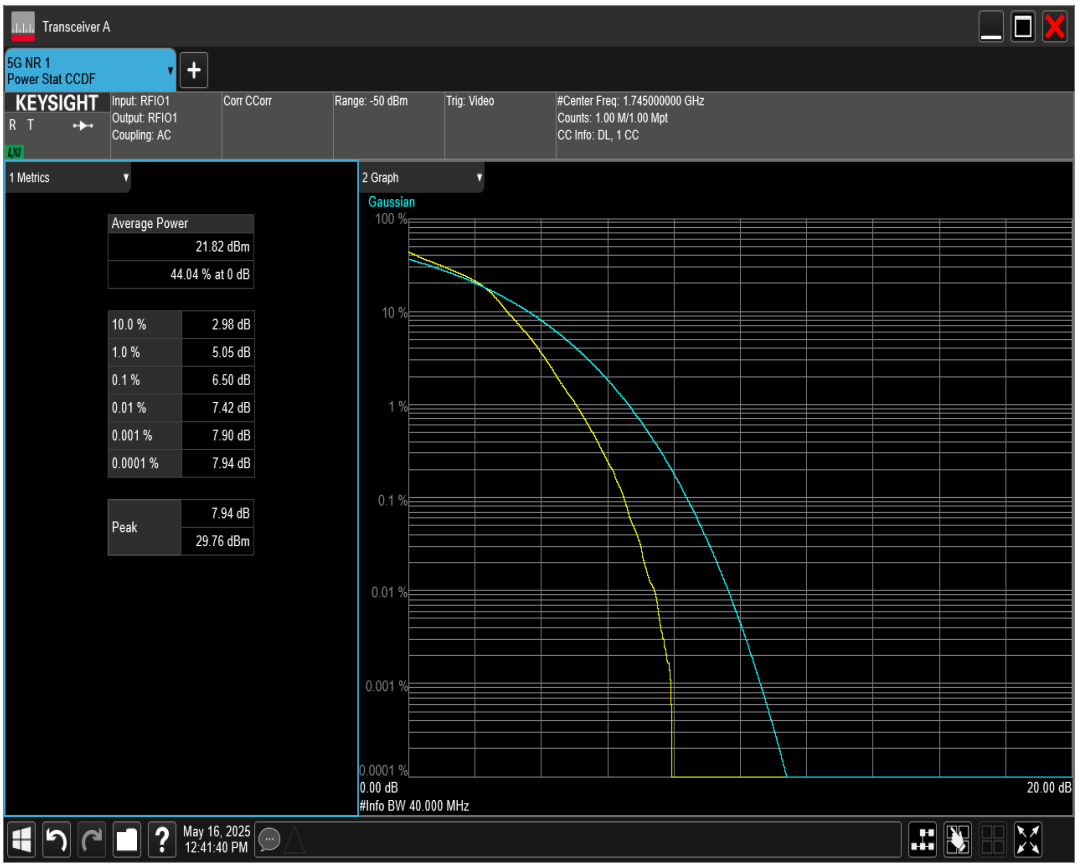

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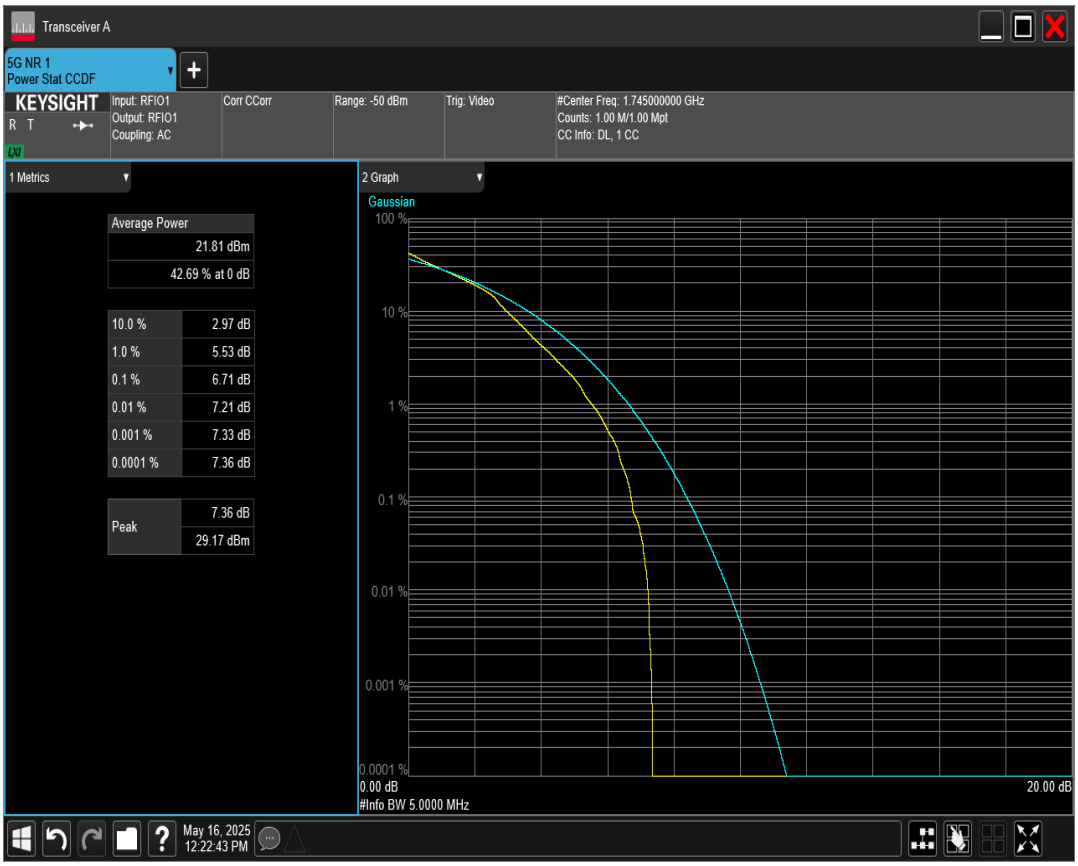

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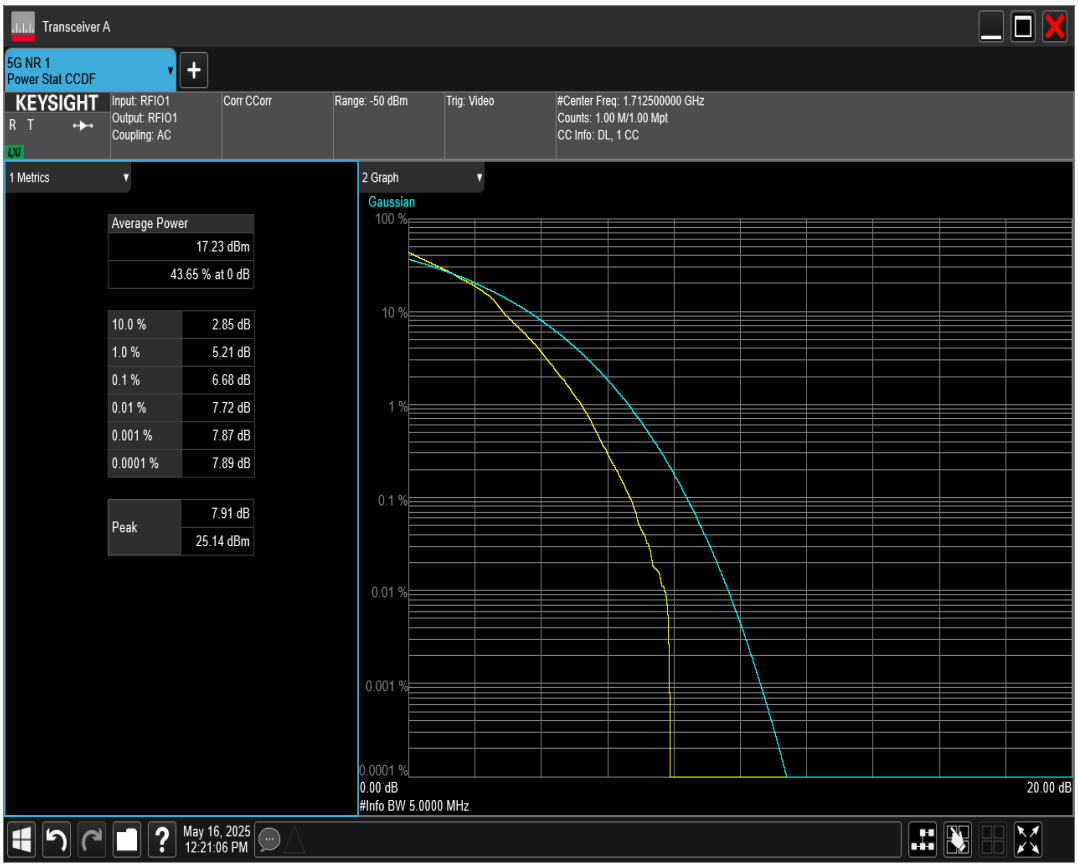

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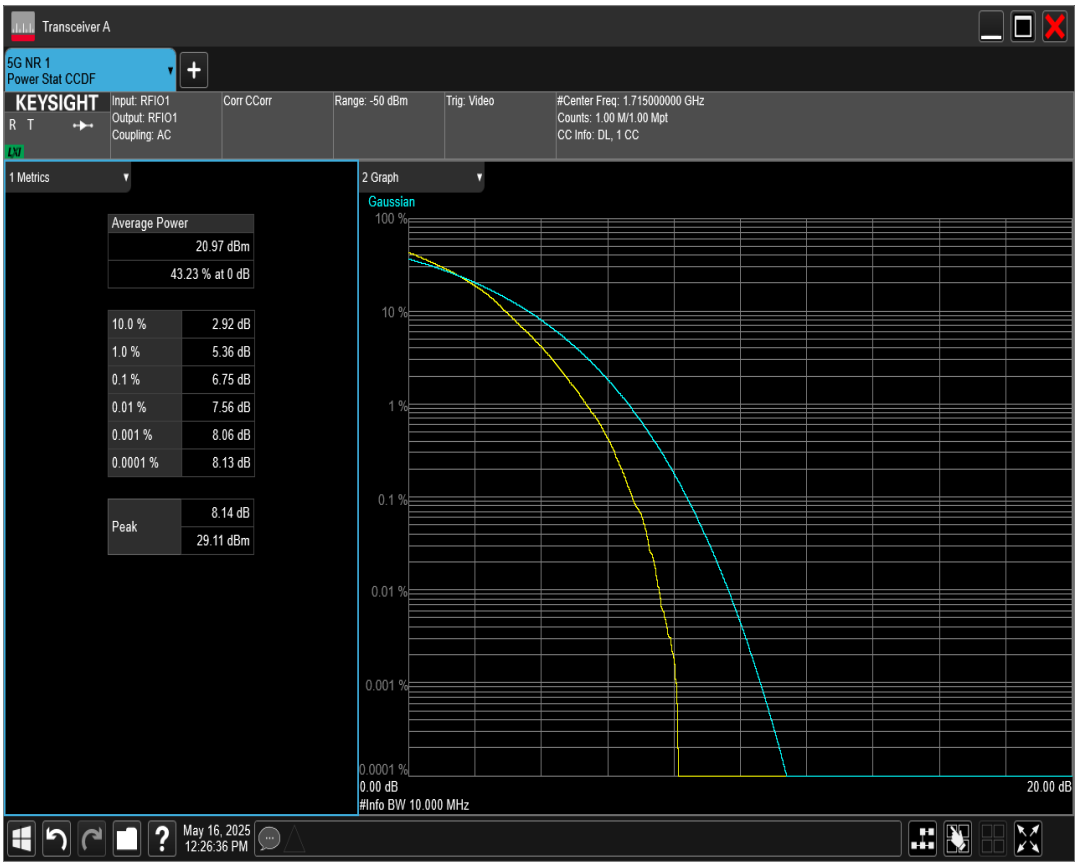

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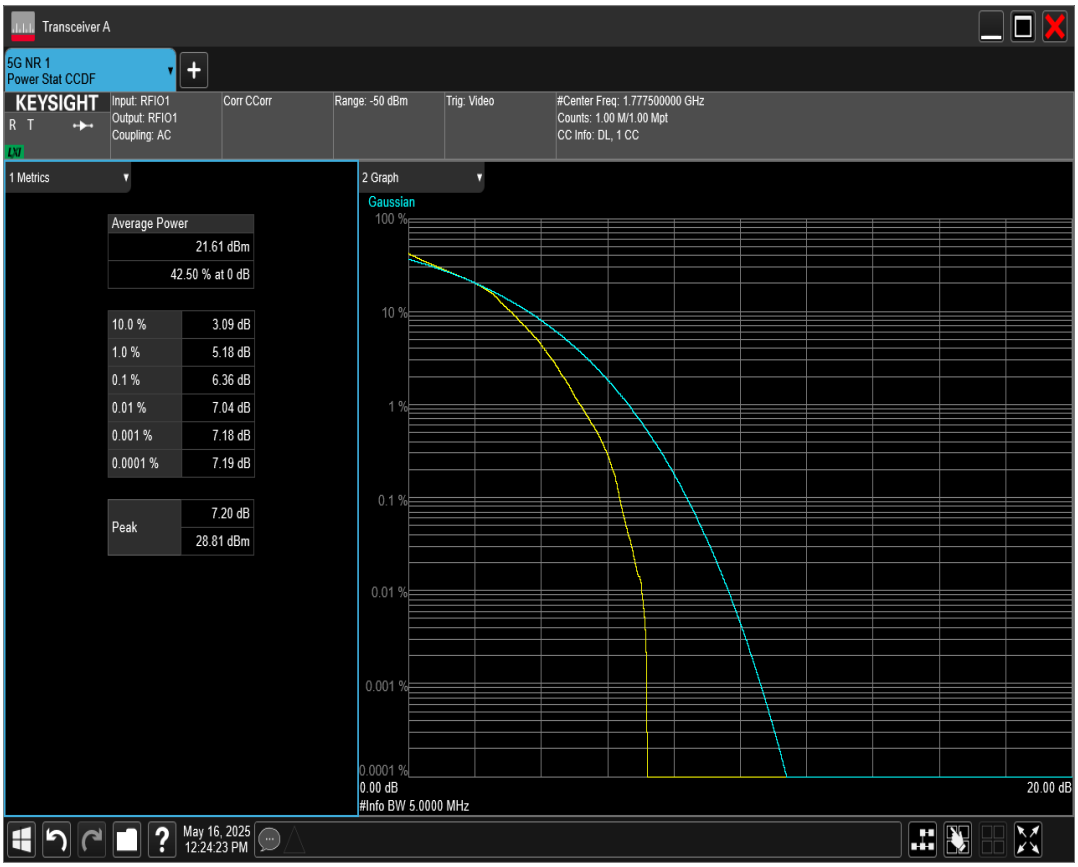

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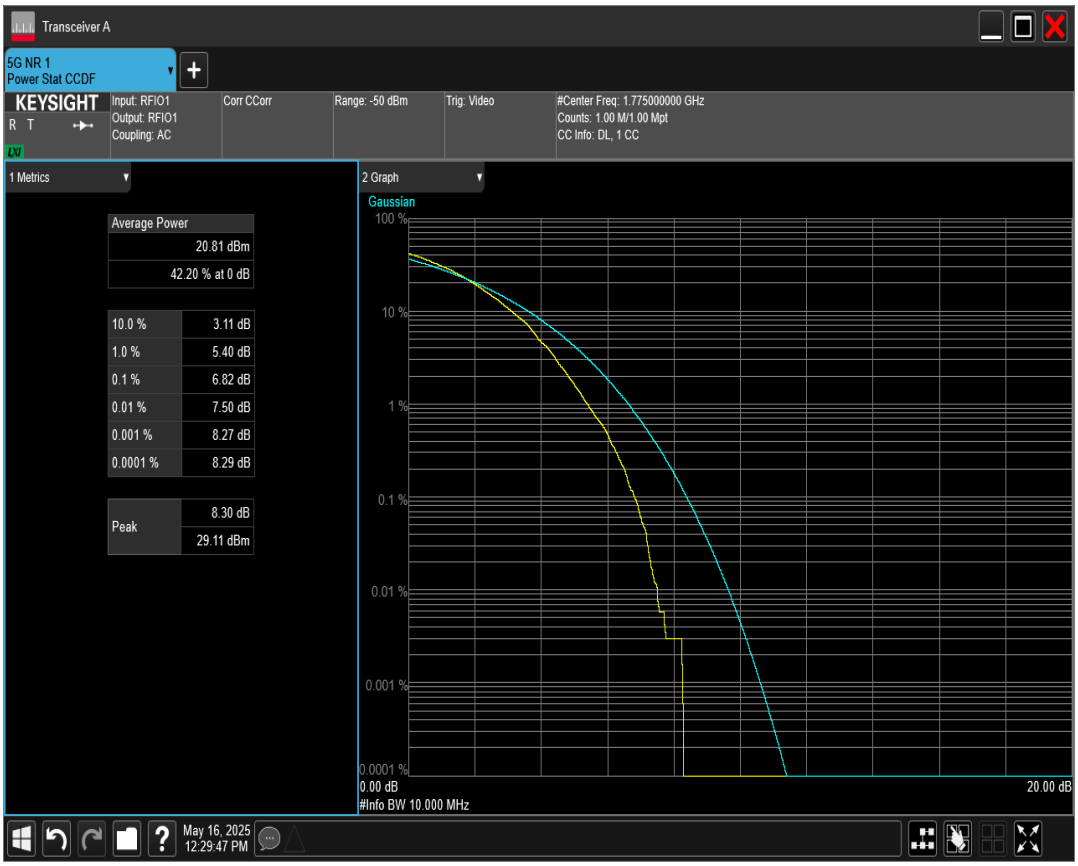
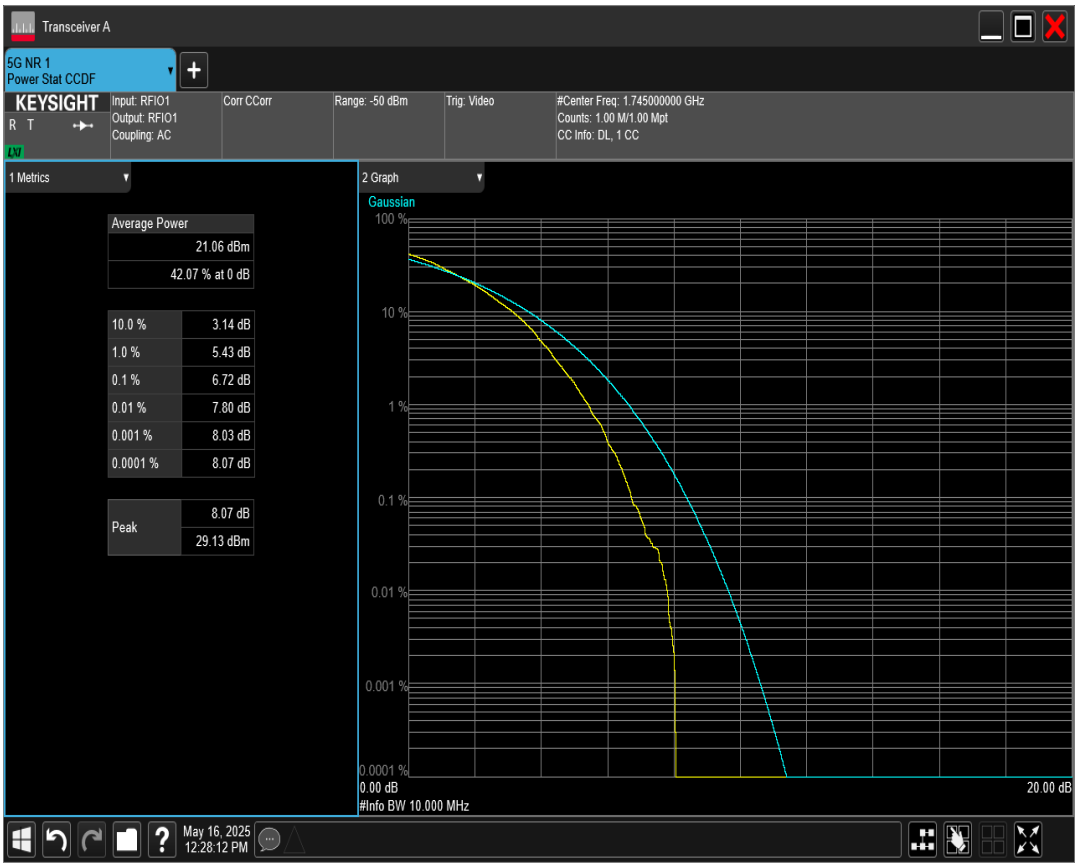


n66 SCS=15kHz DFT_QAM256 BW=10MHz Channel=349000 RB=50@0



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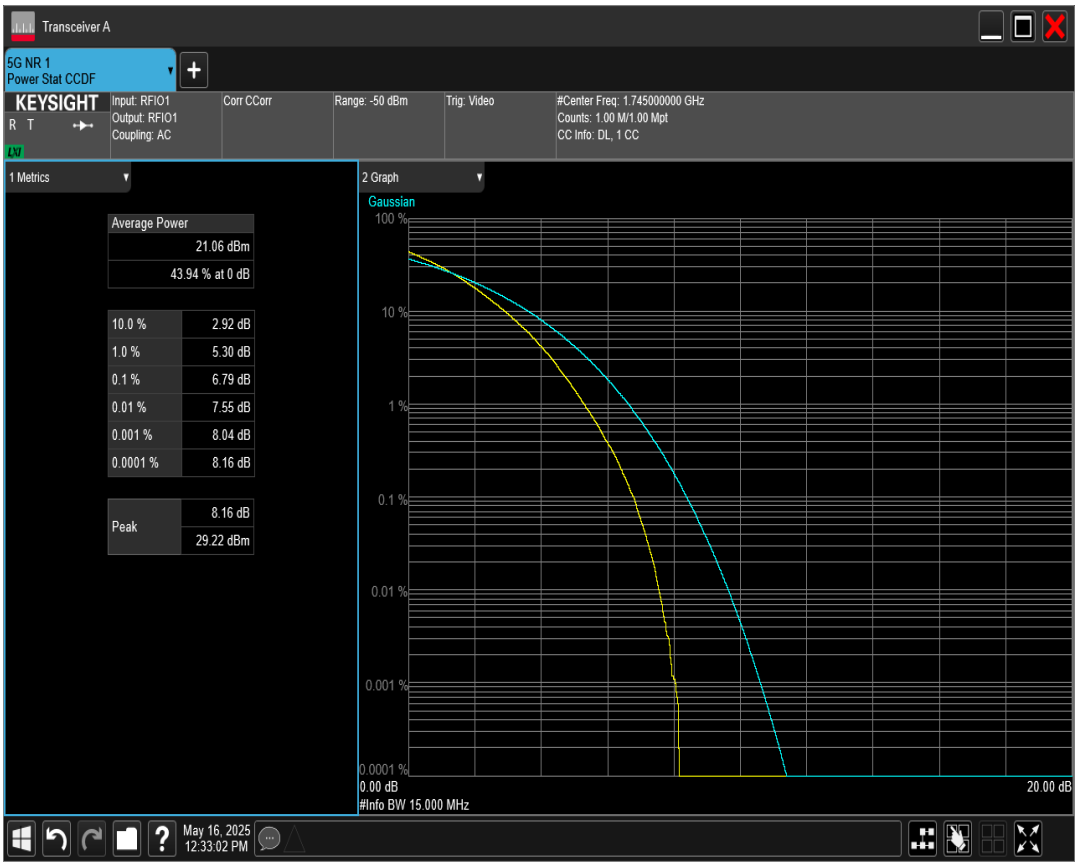

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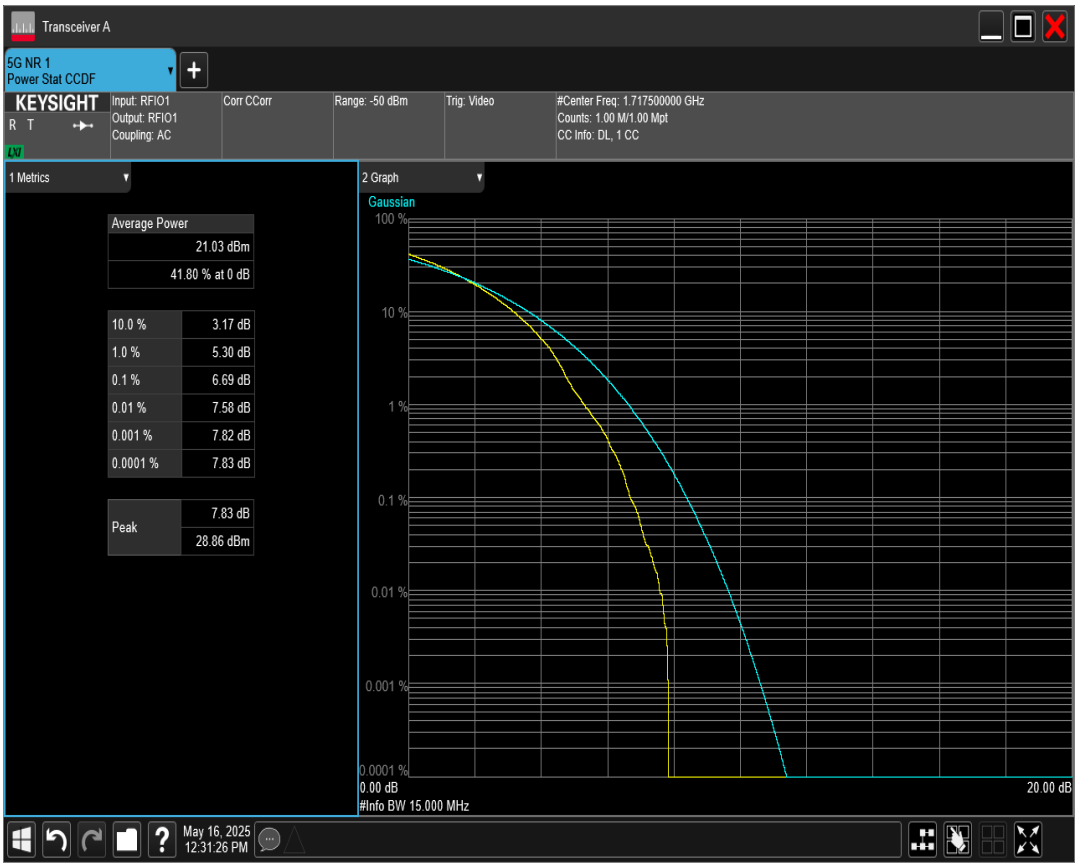
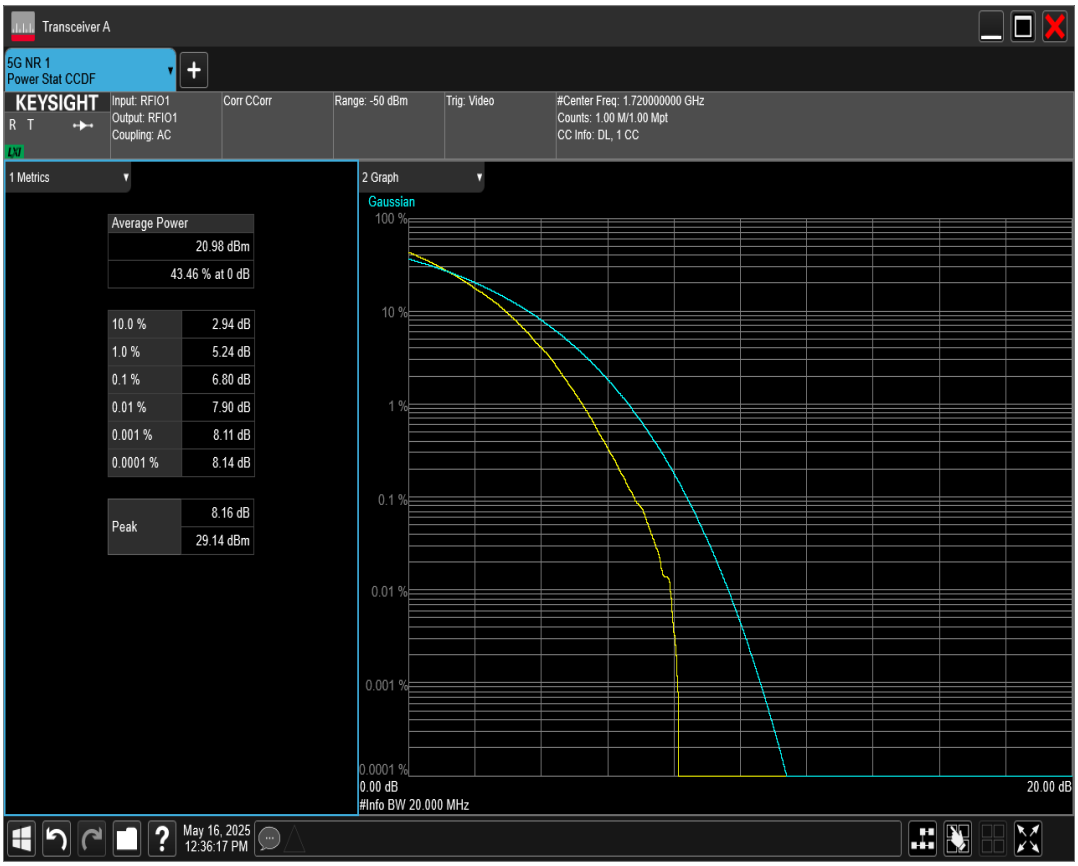


n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=344000 RB=100@0



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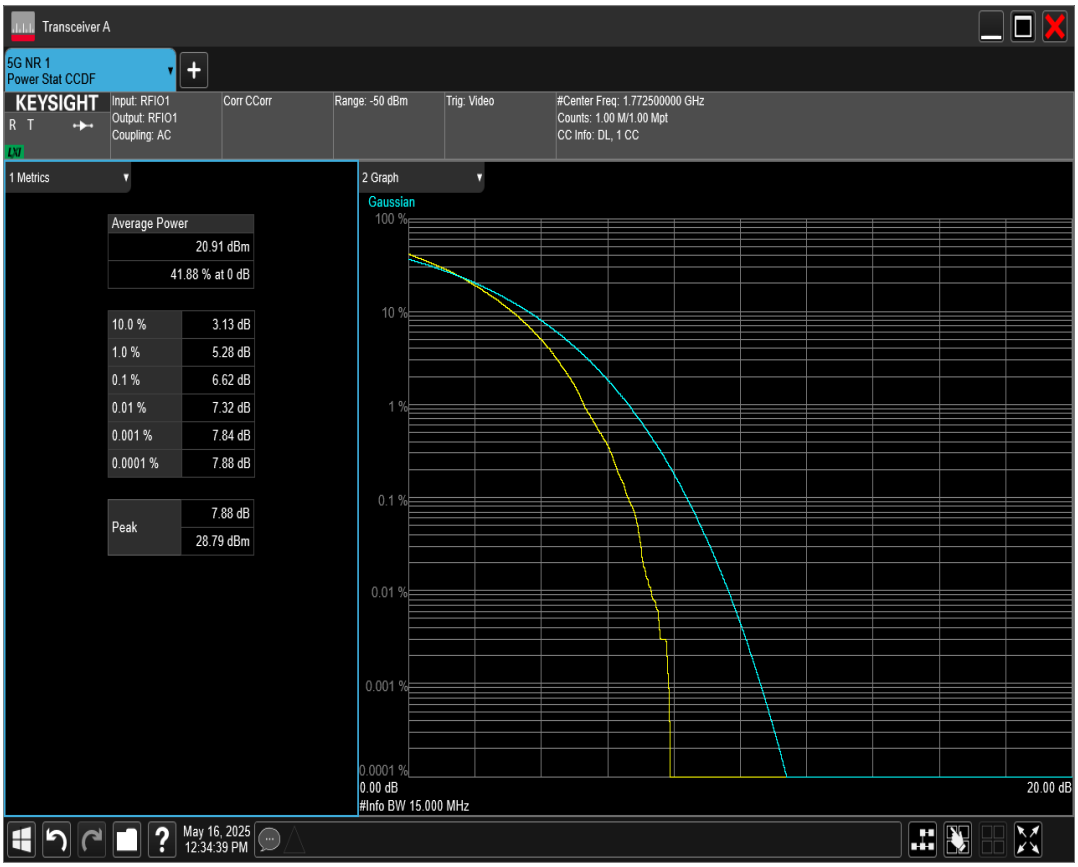

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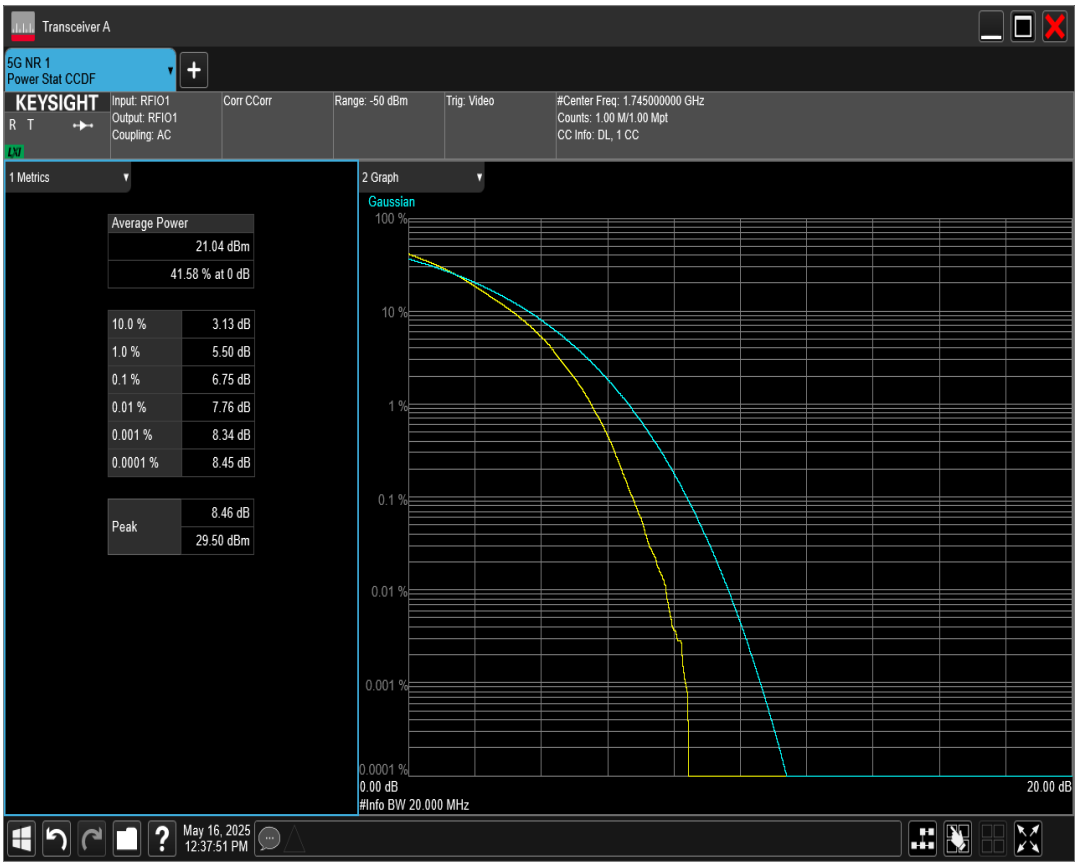

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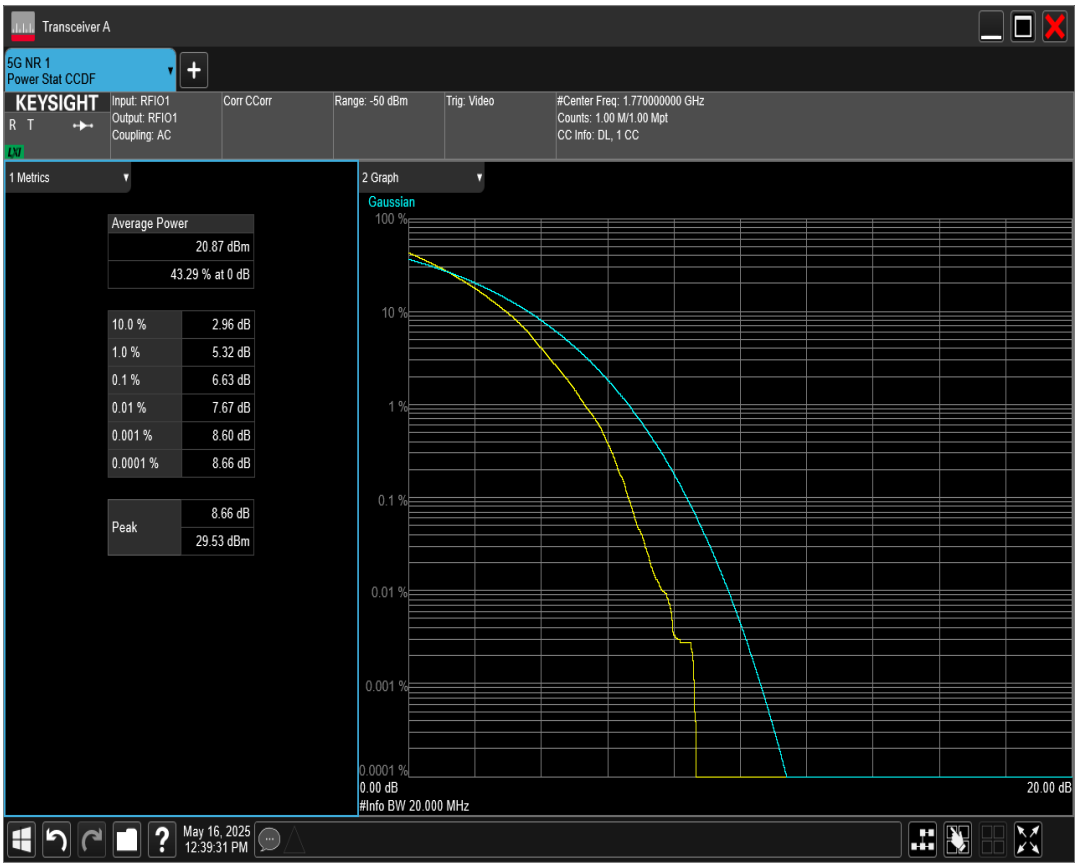
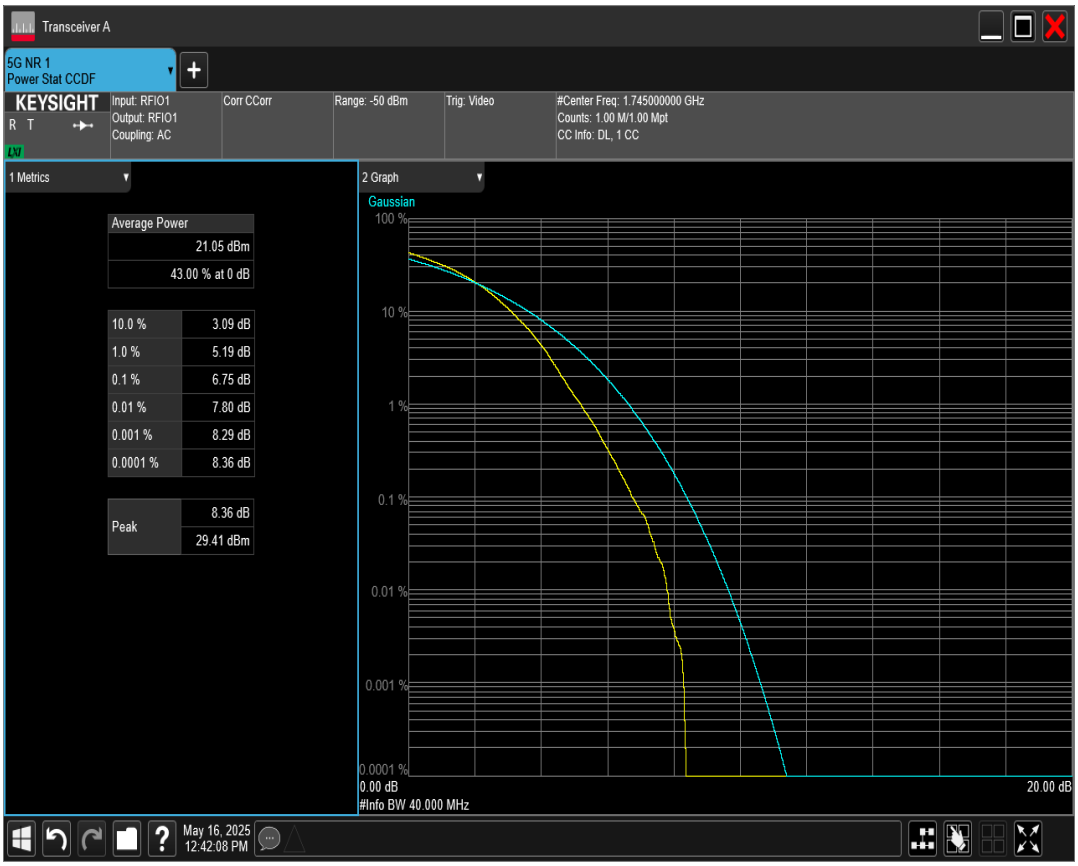


n66 SCS=15kHz DFT_QAM256 BW=40MHz Channel=349000 RB=216@0



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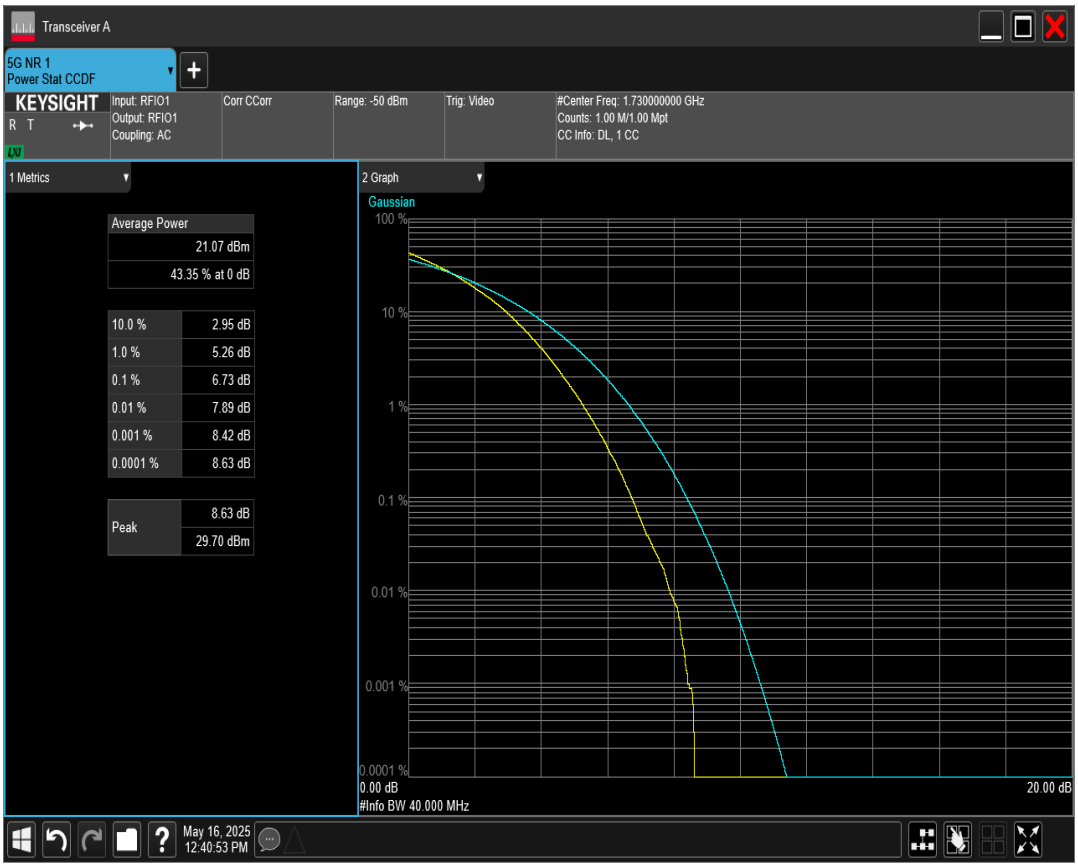

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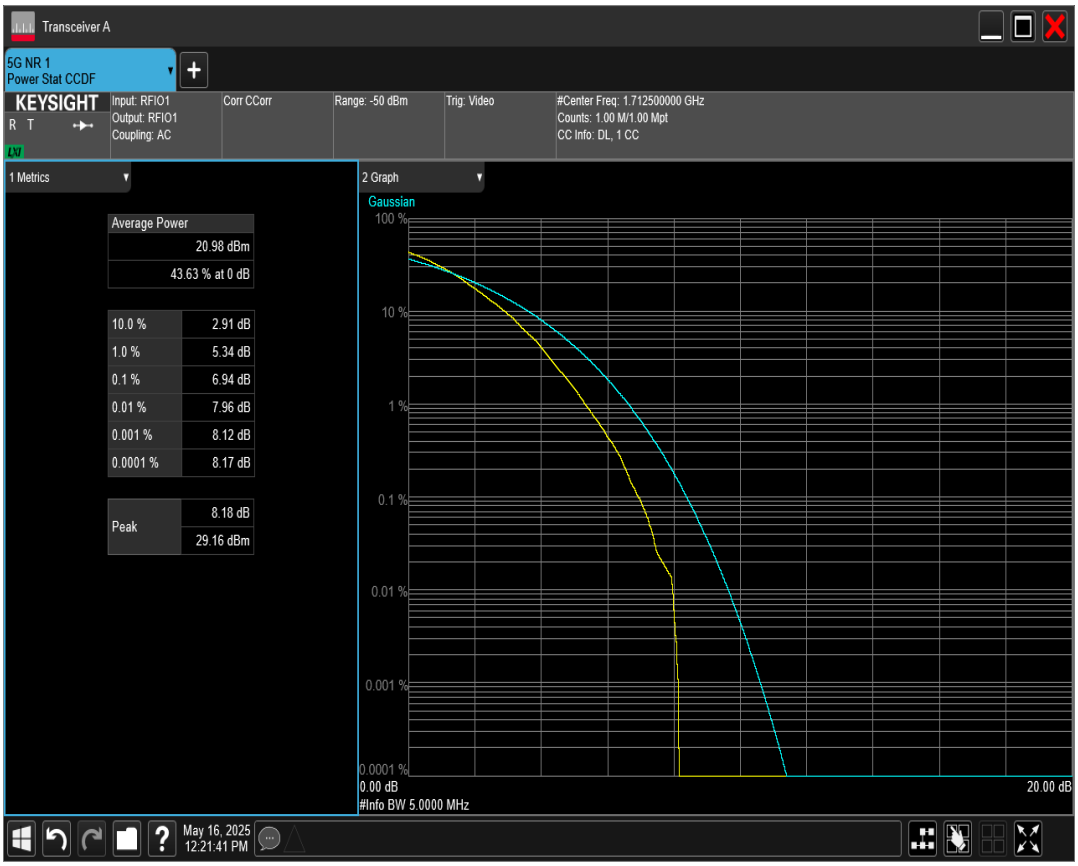

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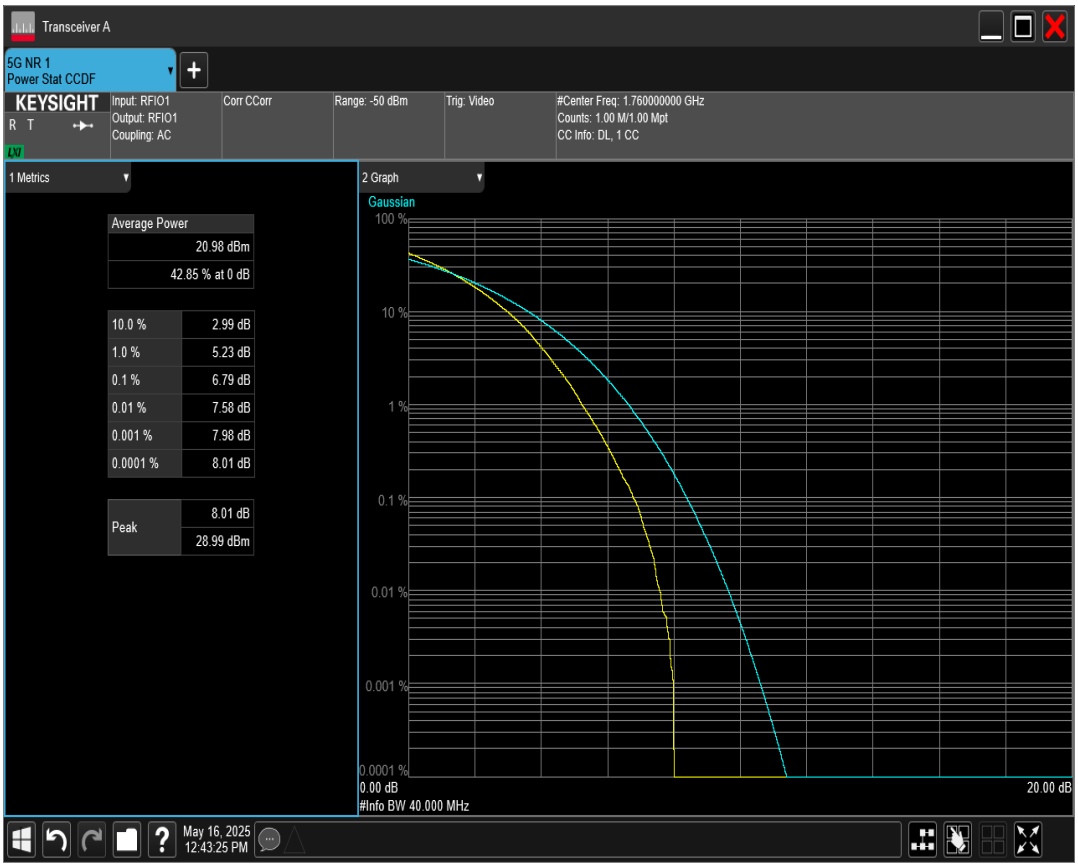

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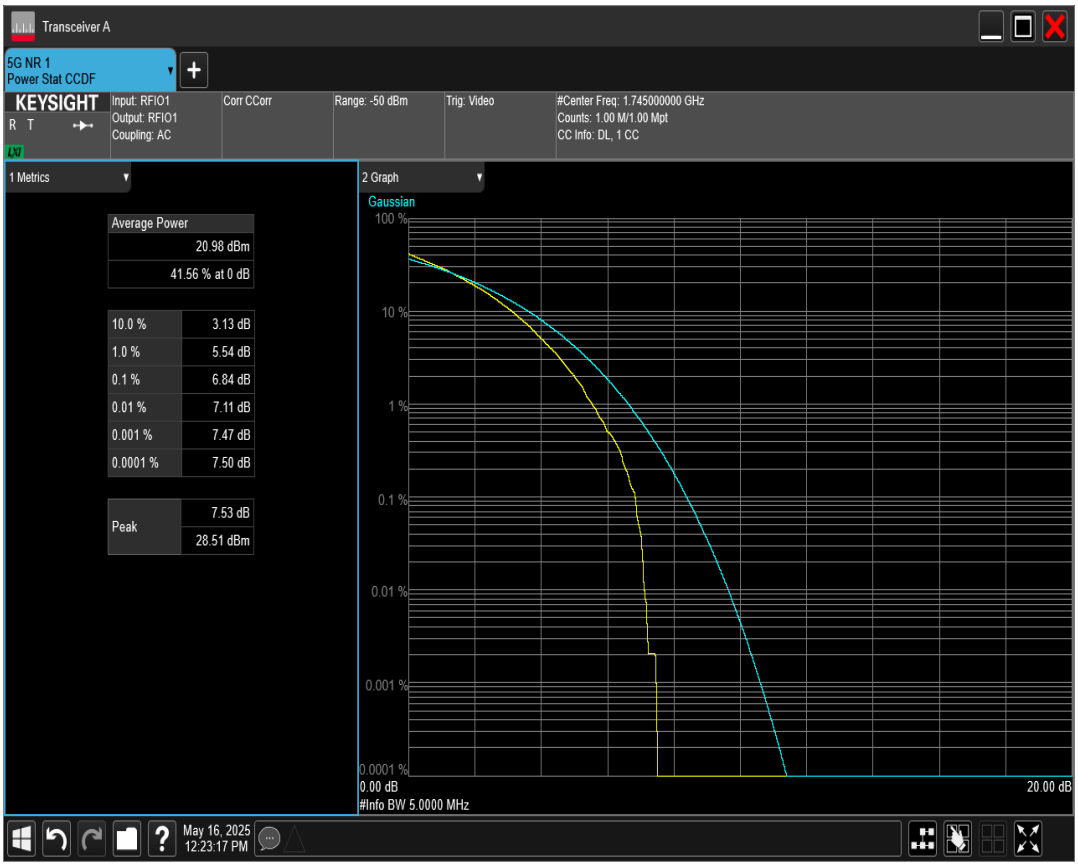

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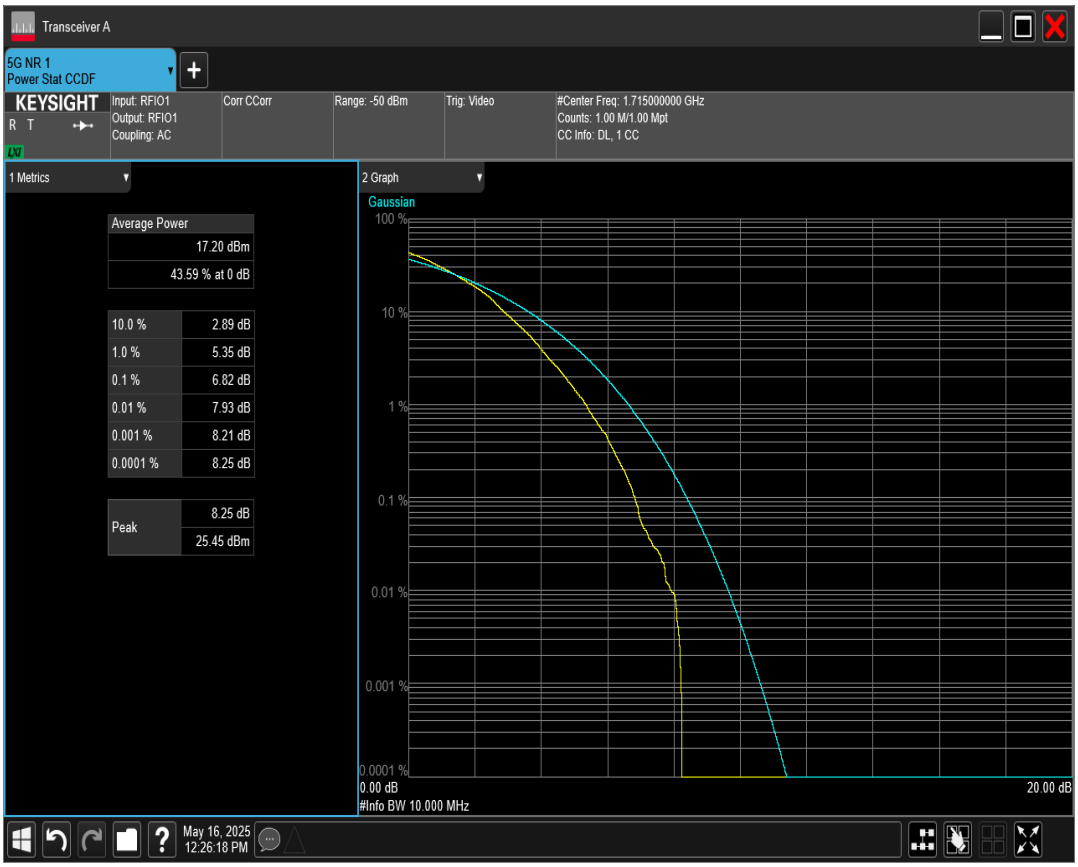

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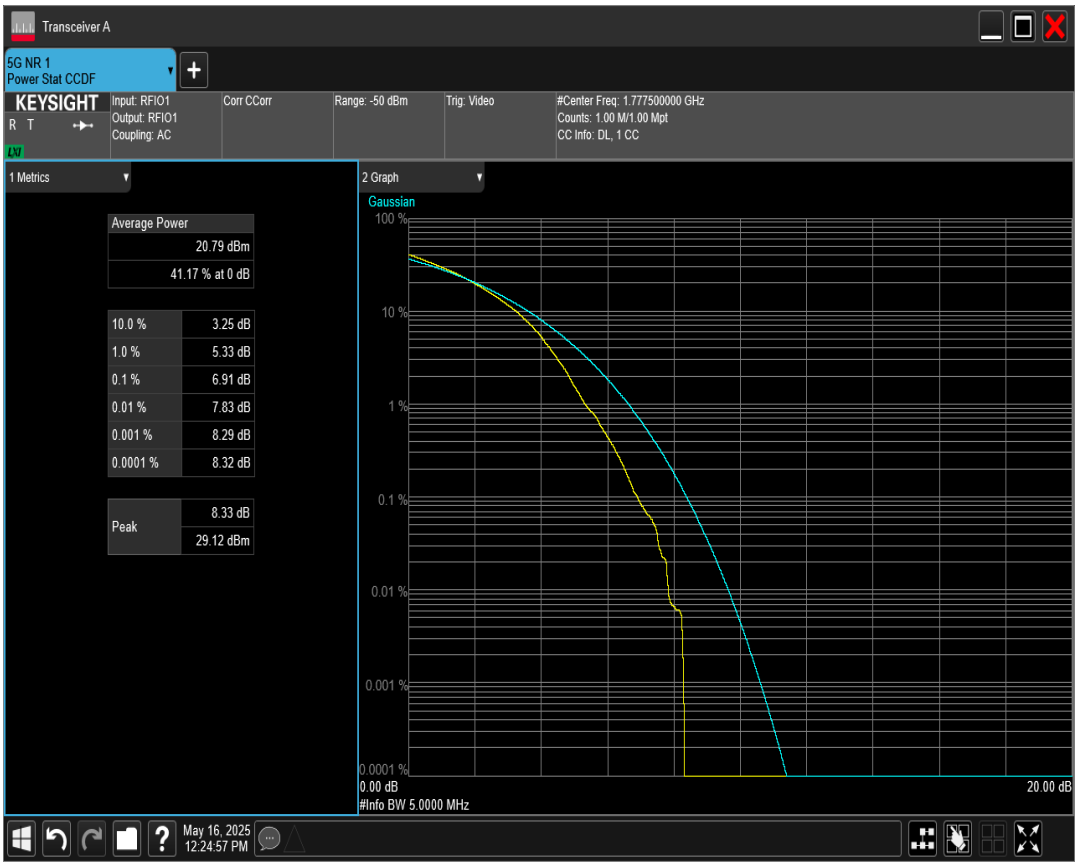

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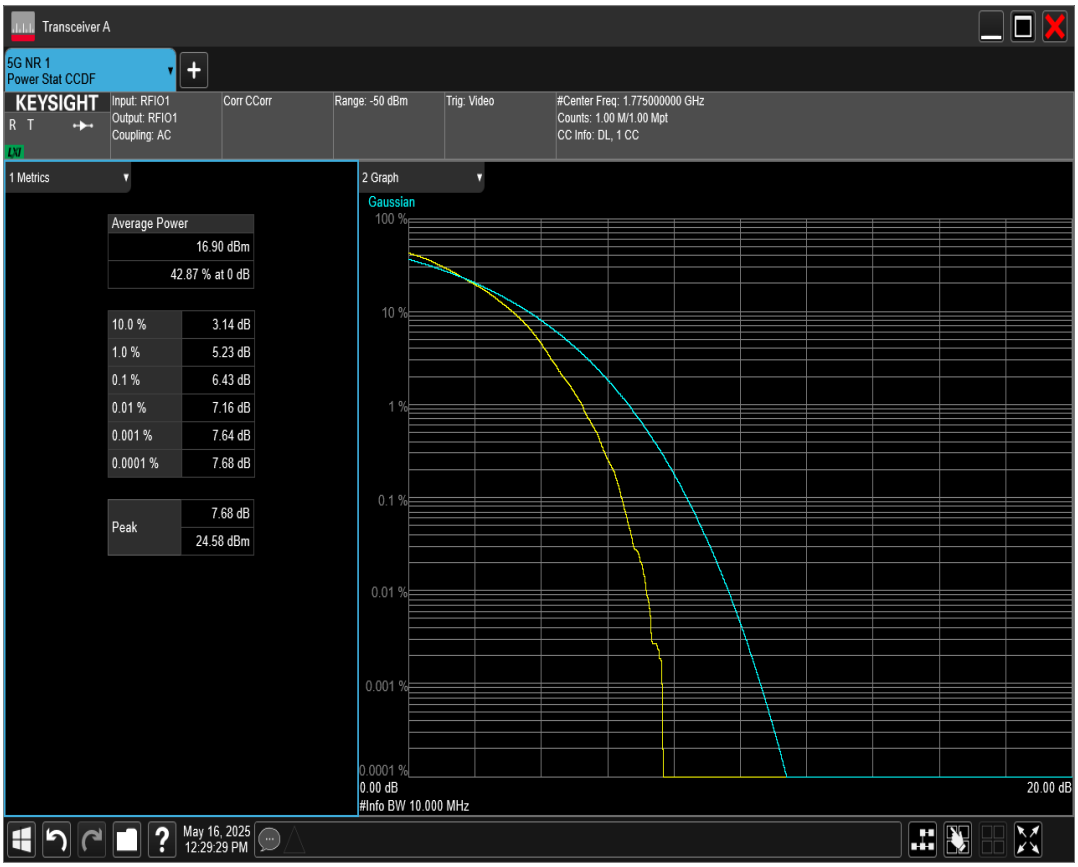

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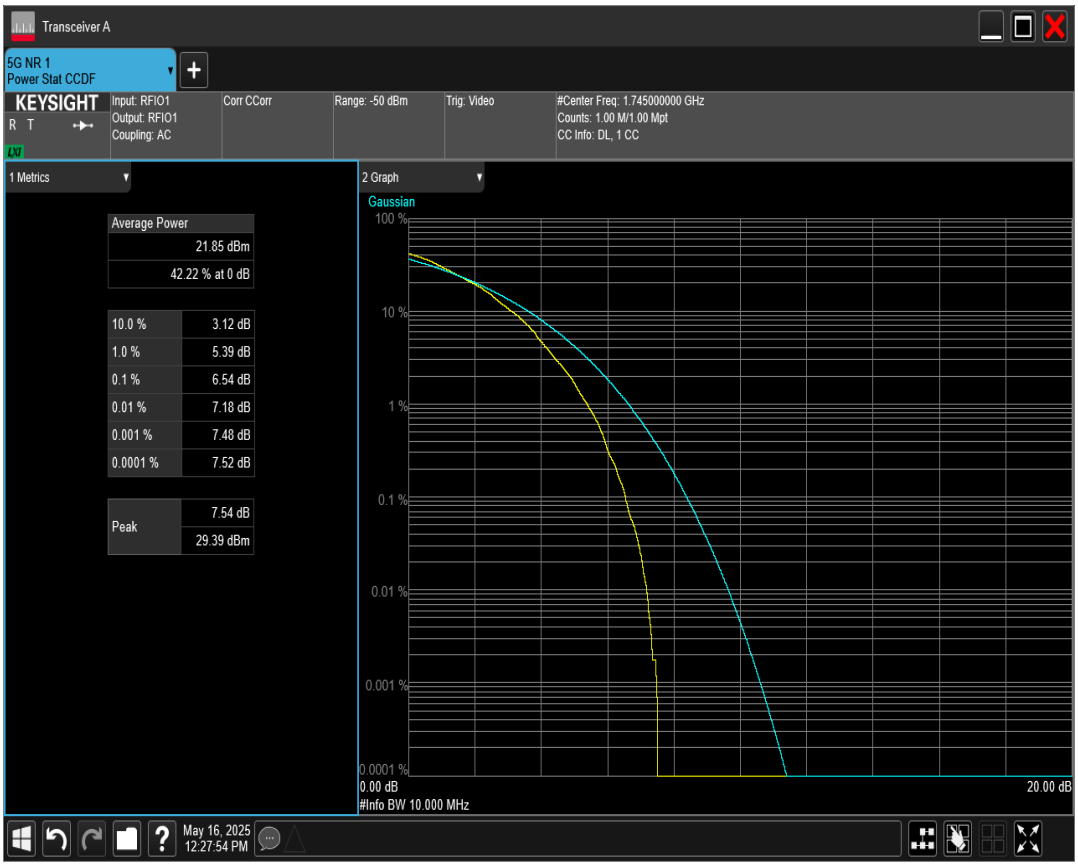

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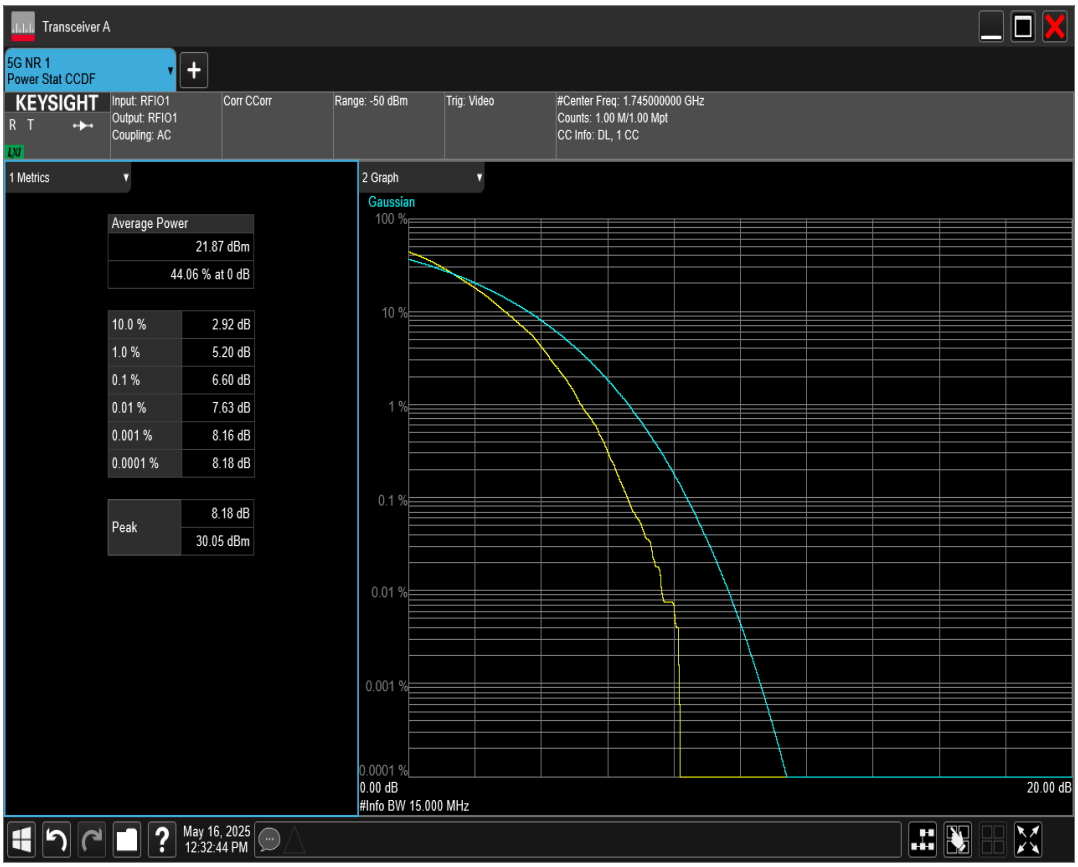

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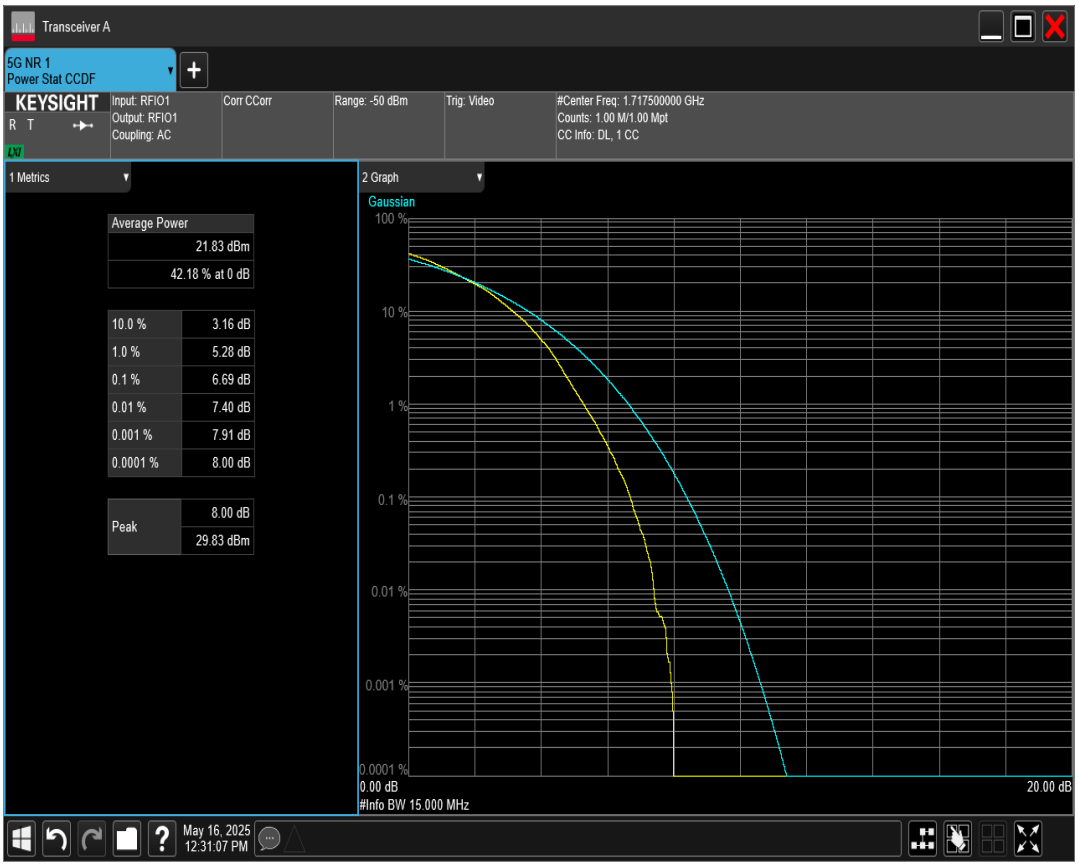

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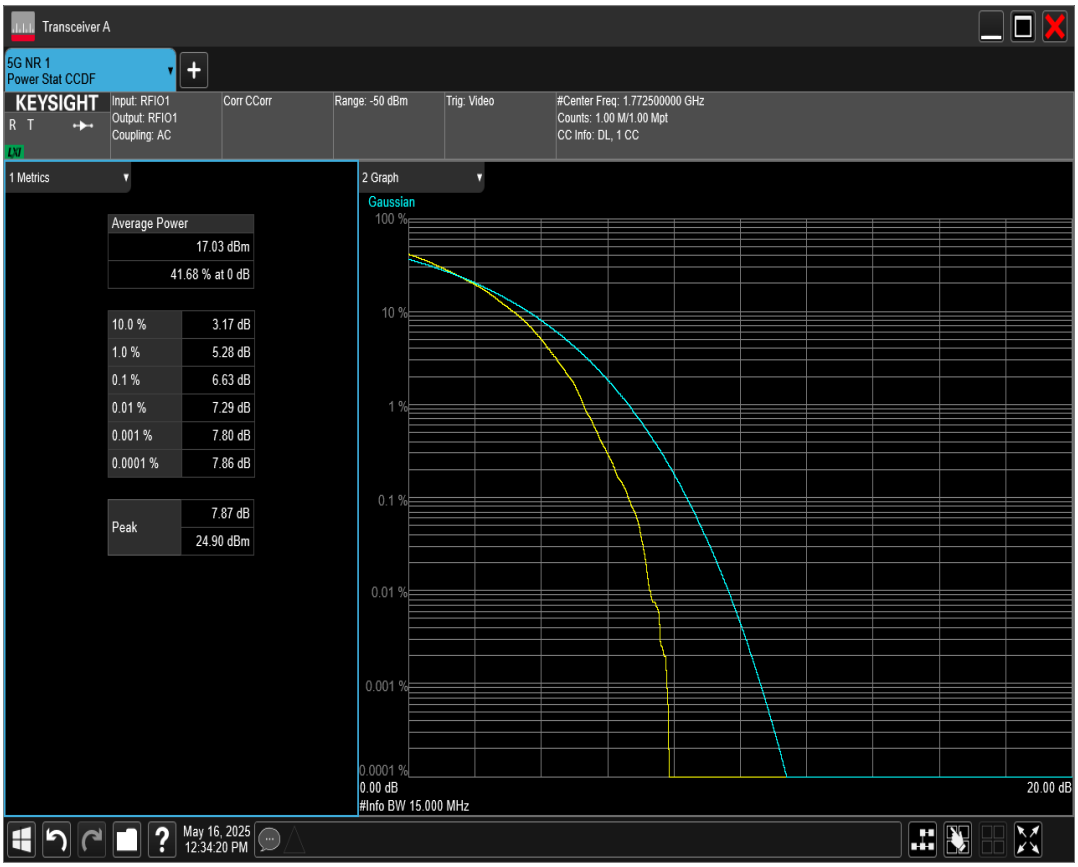

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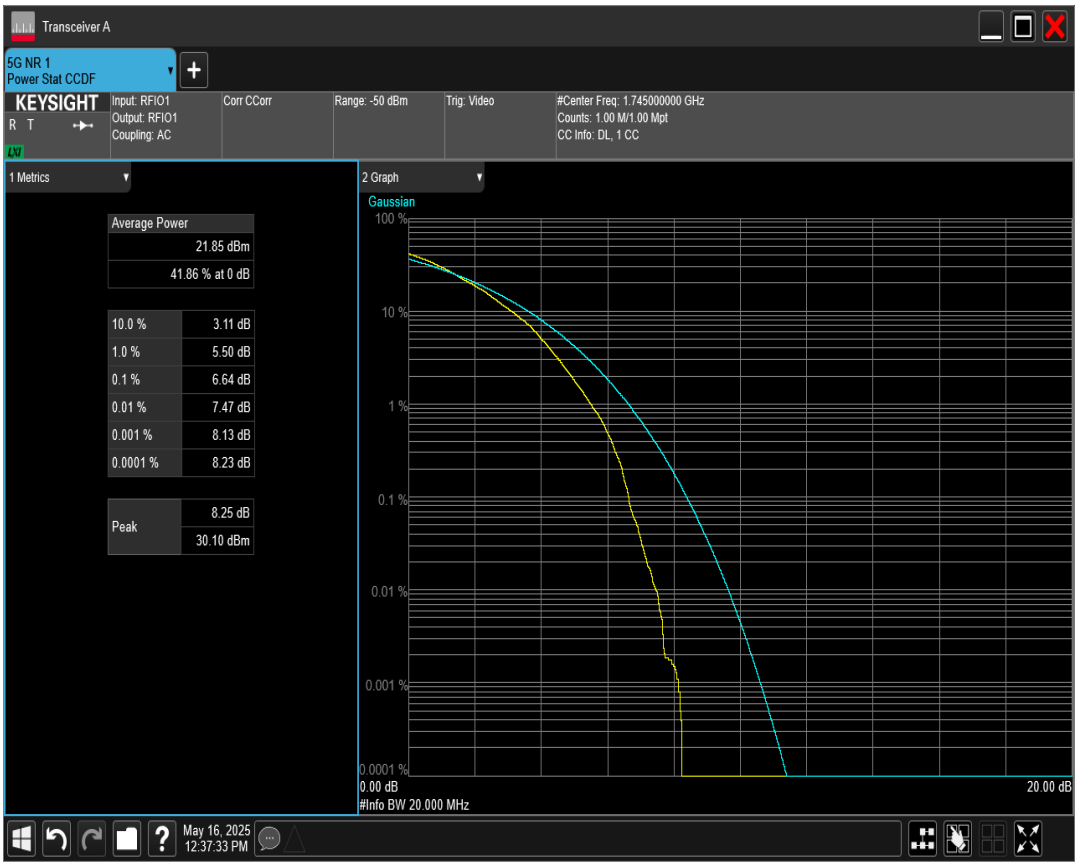

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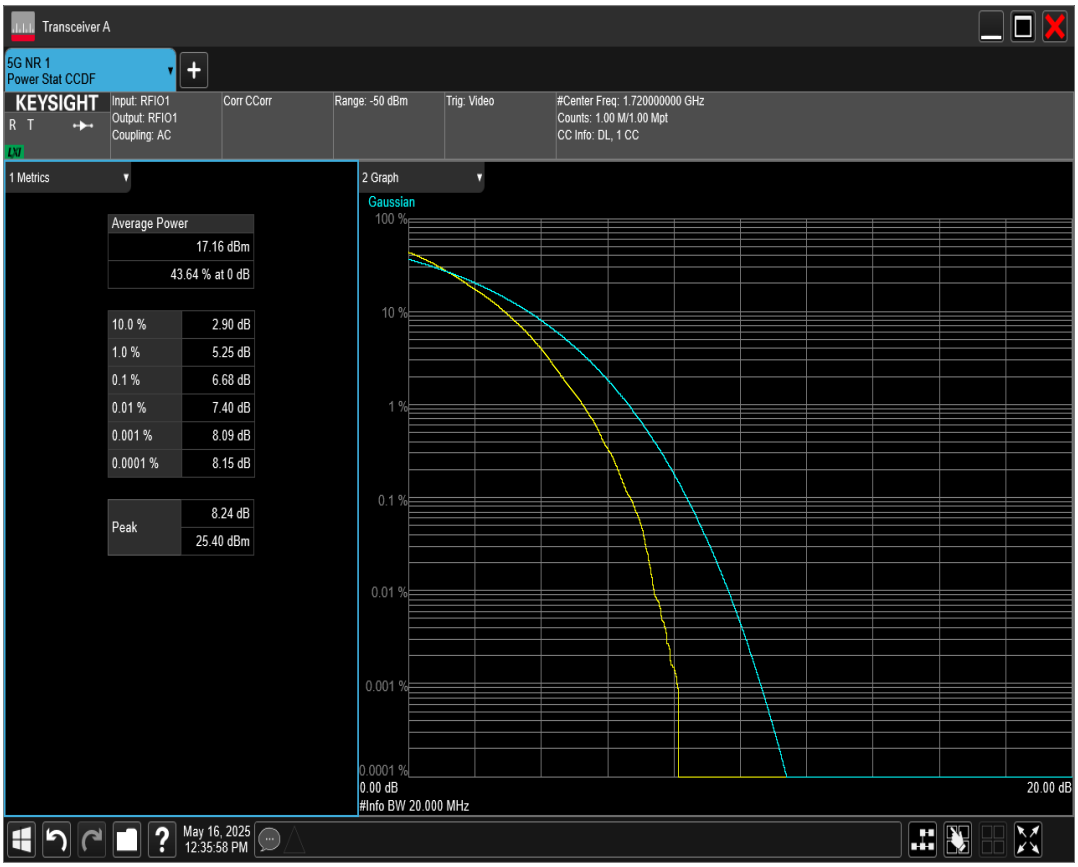

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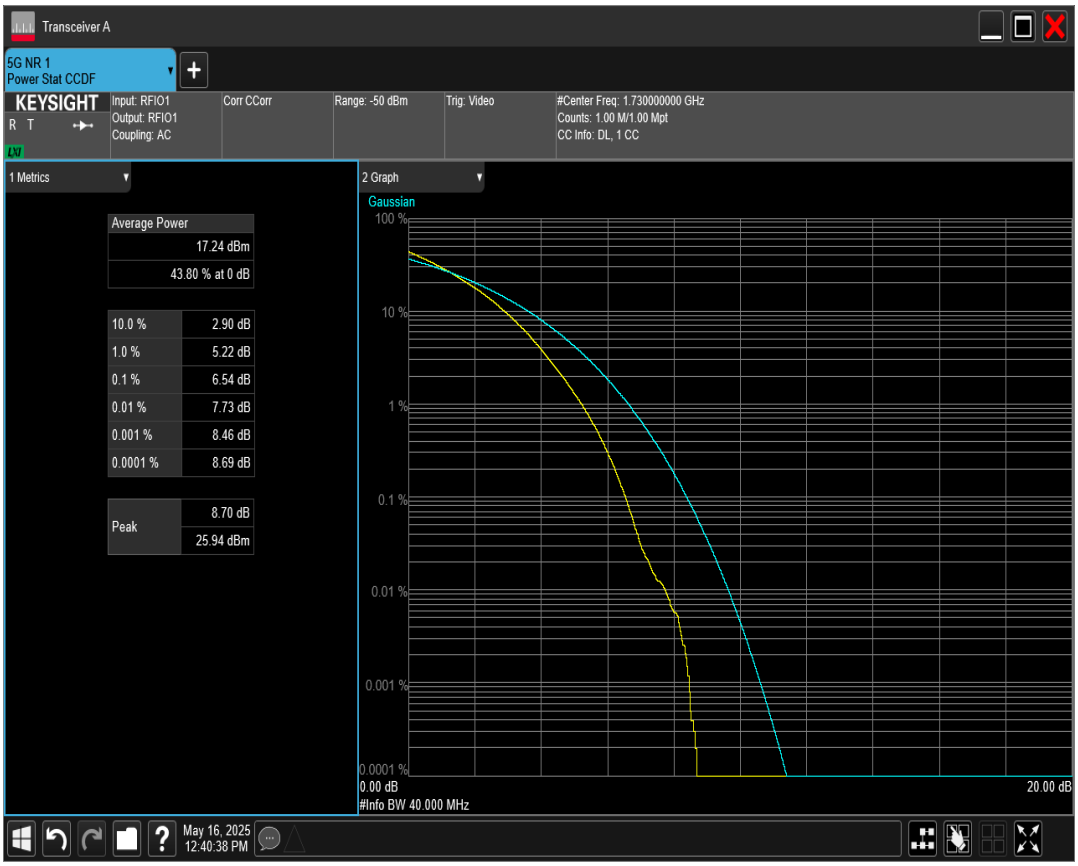

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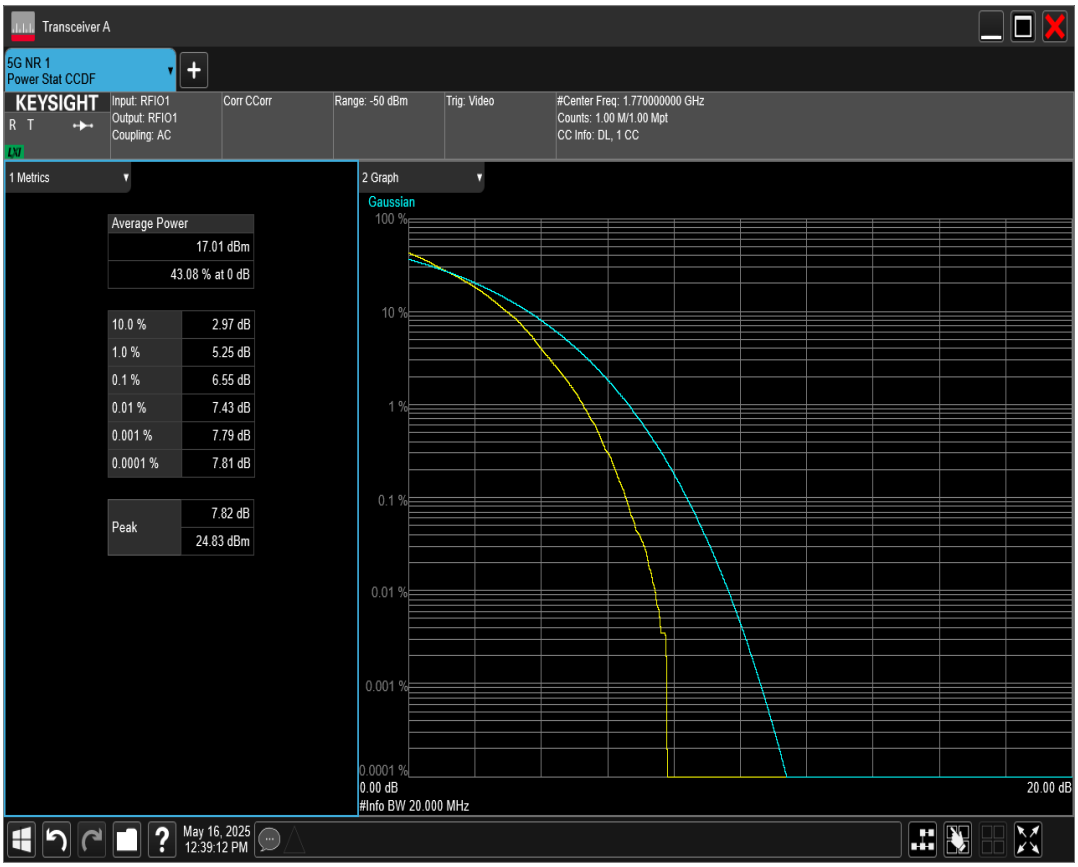

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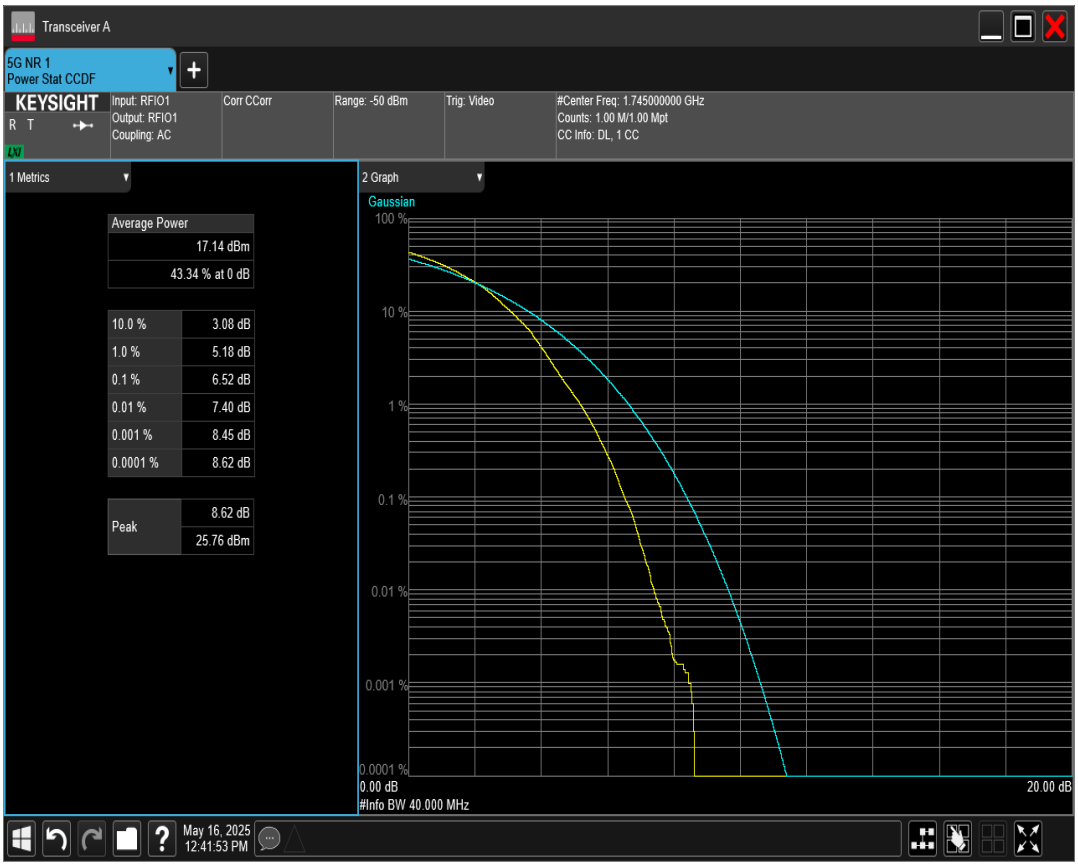

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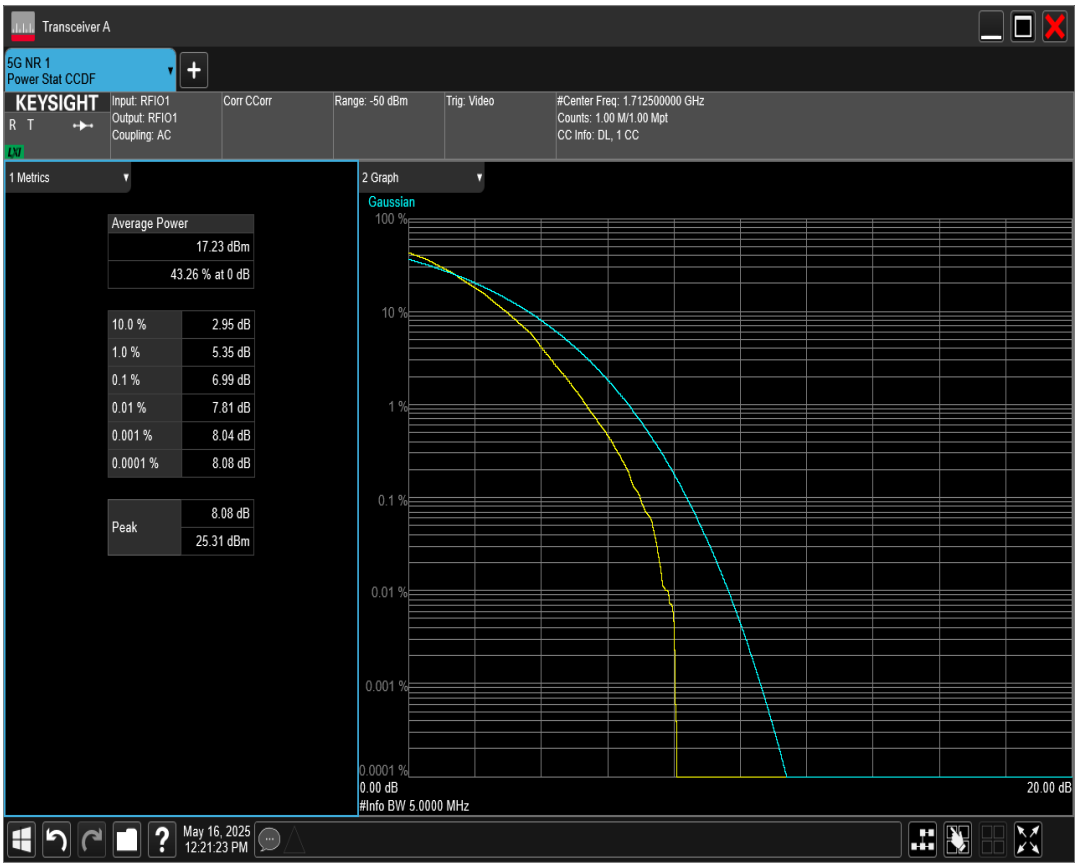

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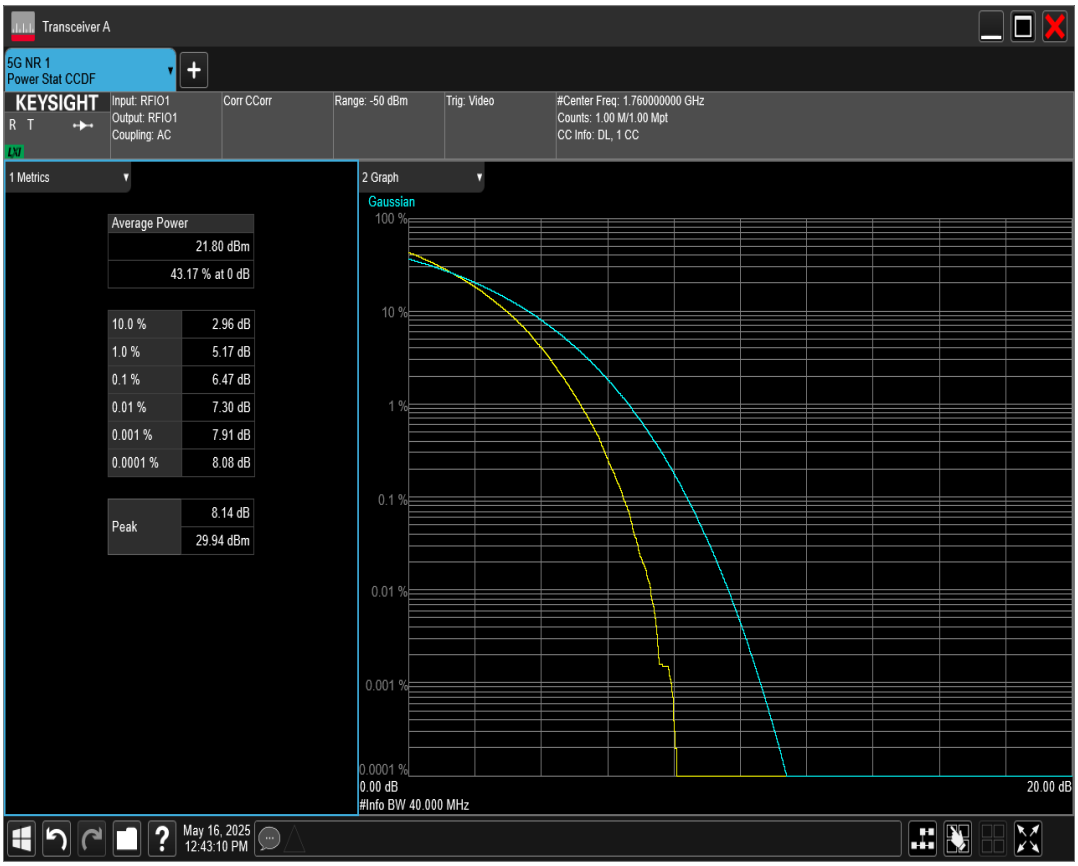

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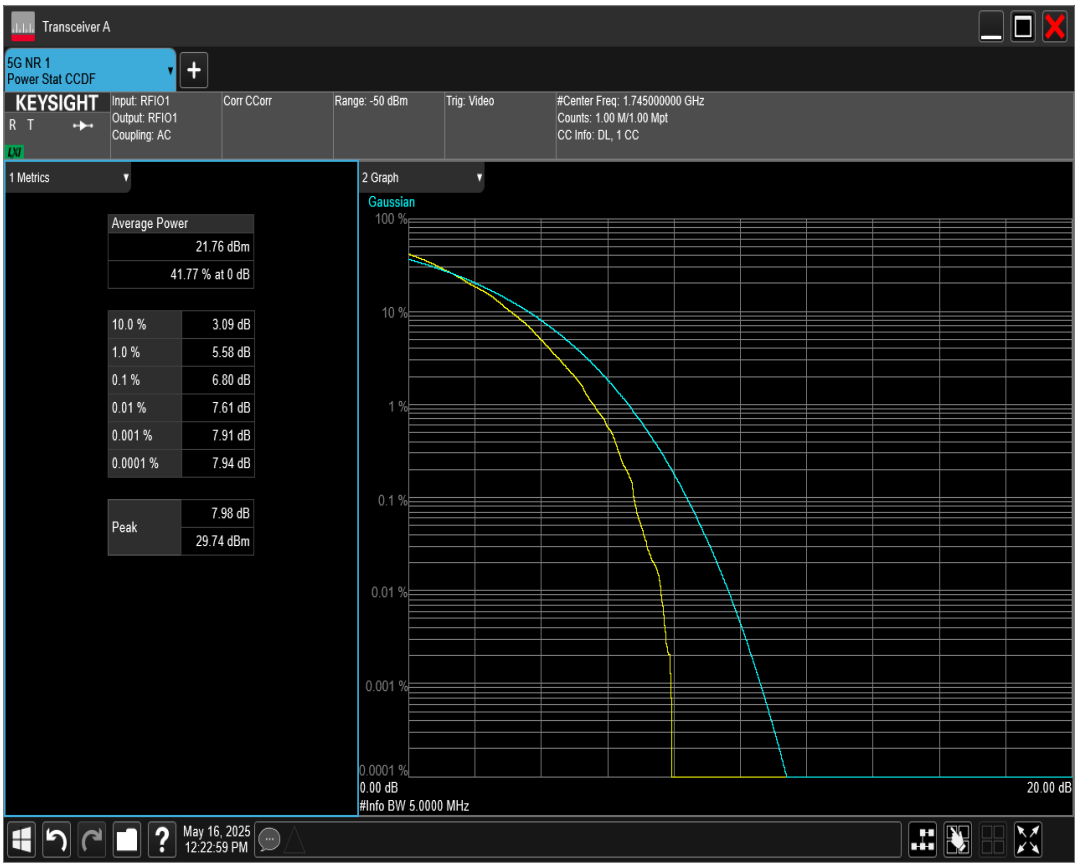

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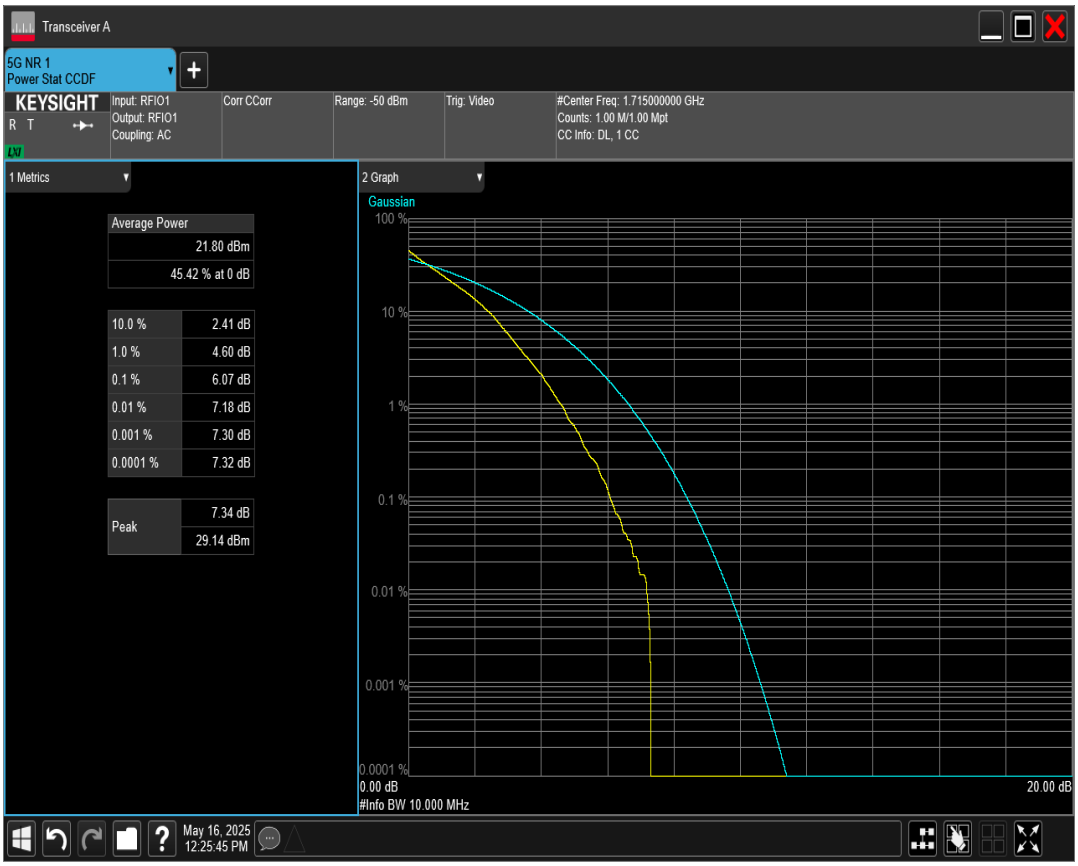

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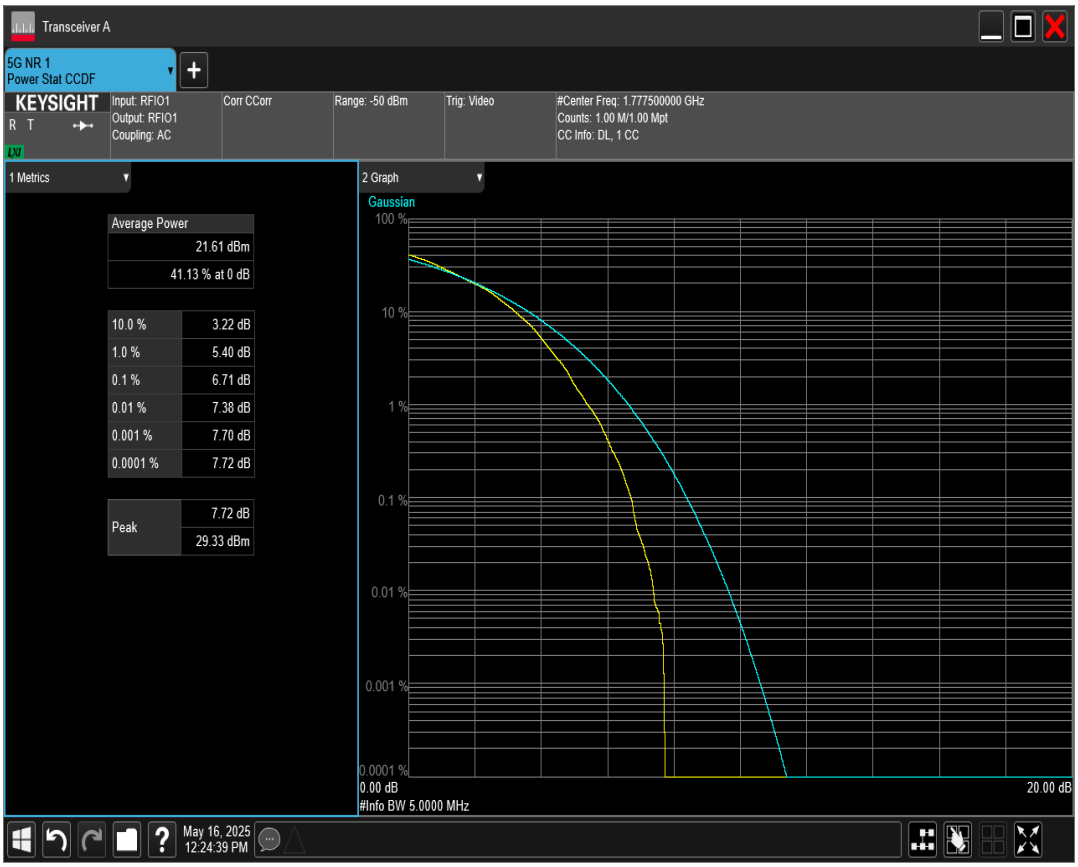

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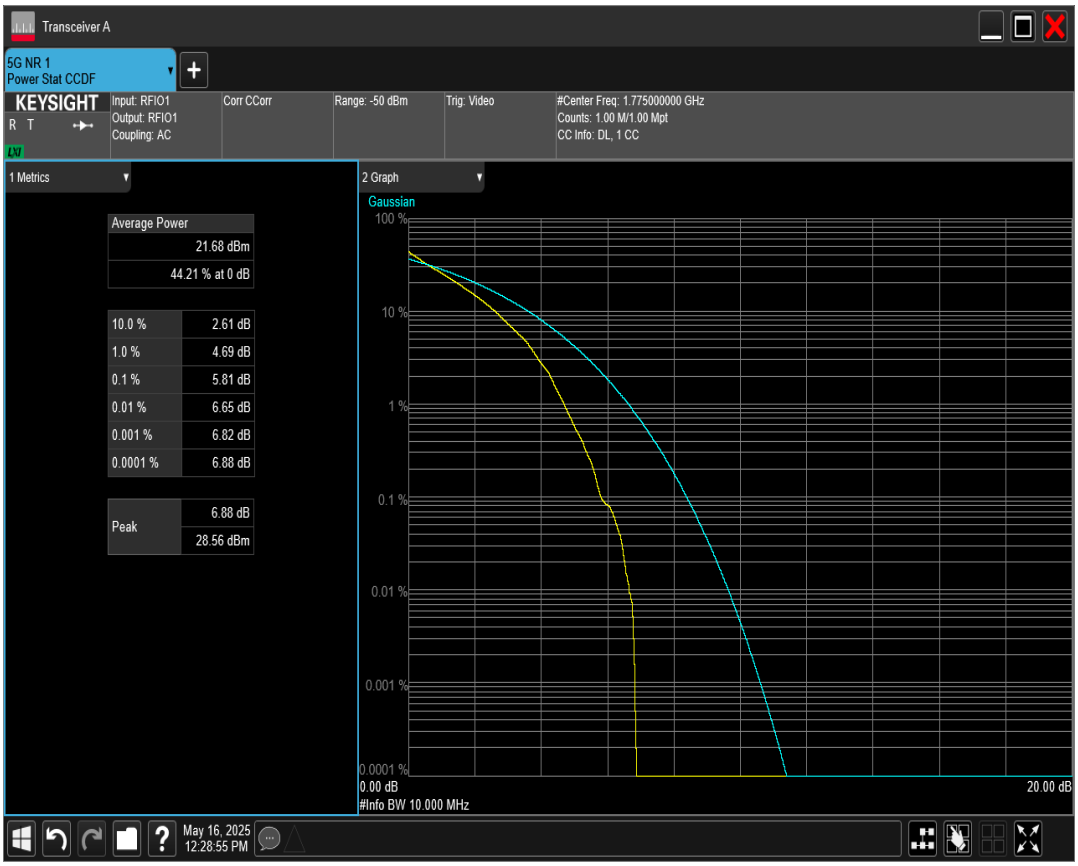
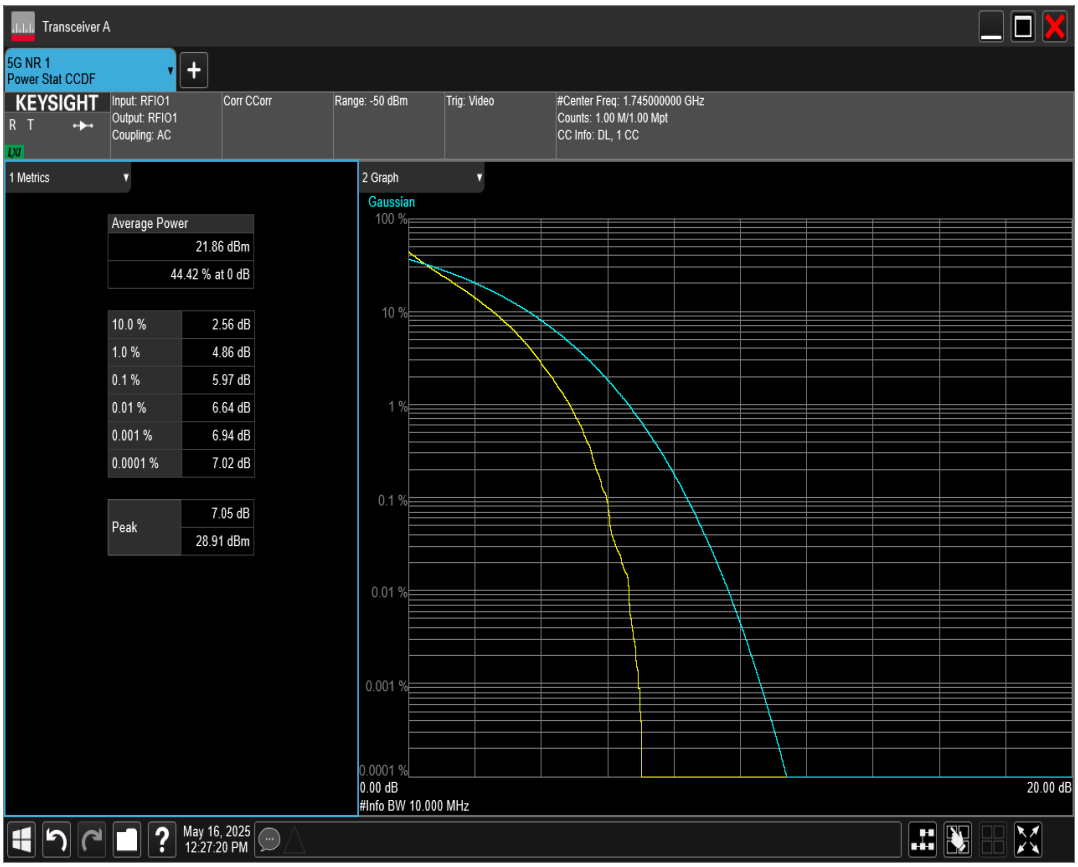


n66 SCS=15kHz DFT_QPSK BW=10MHz Channel=349000 RB=50@0



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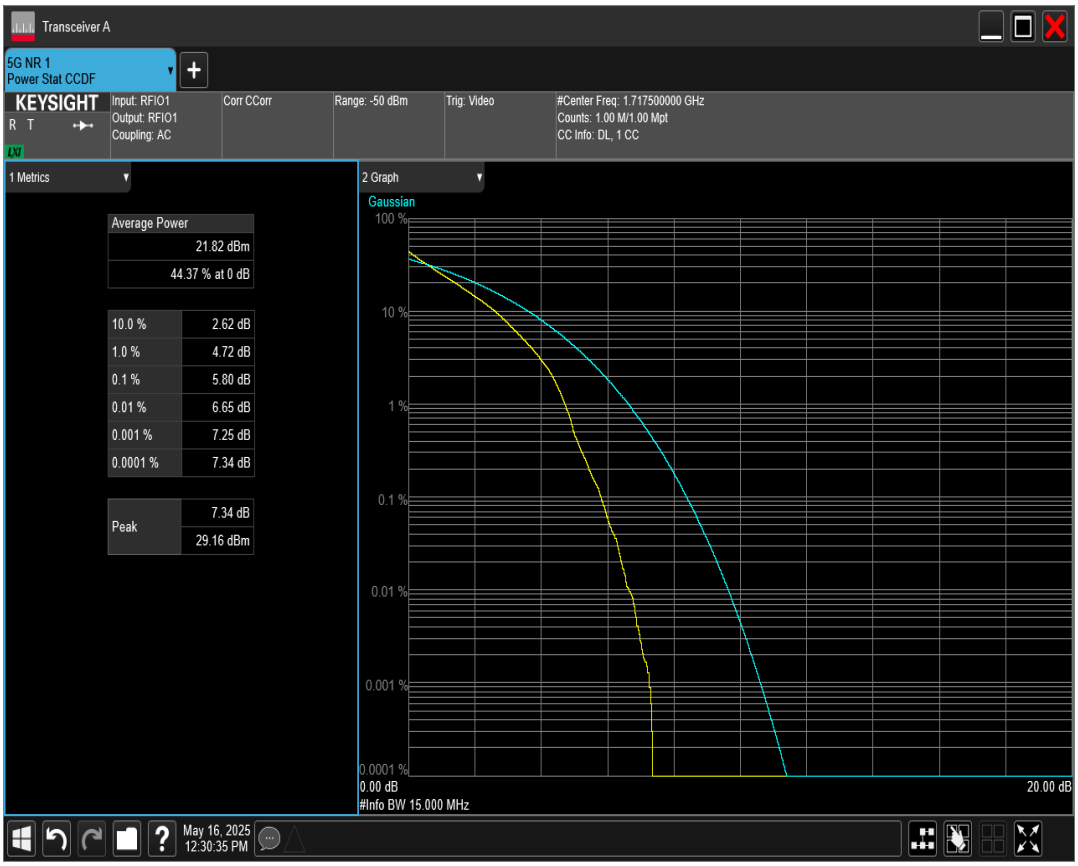

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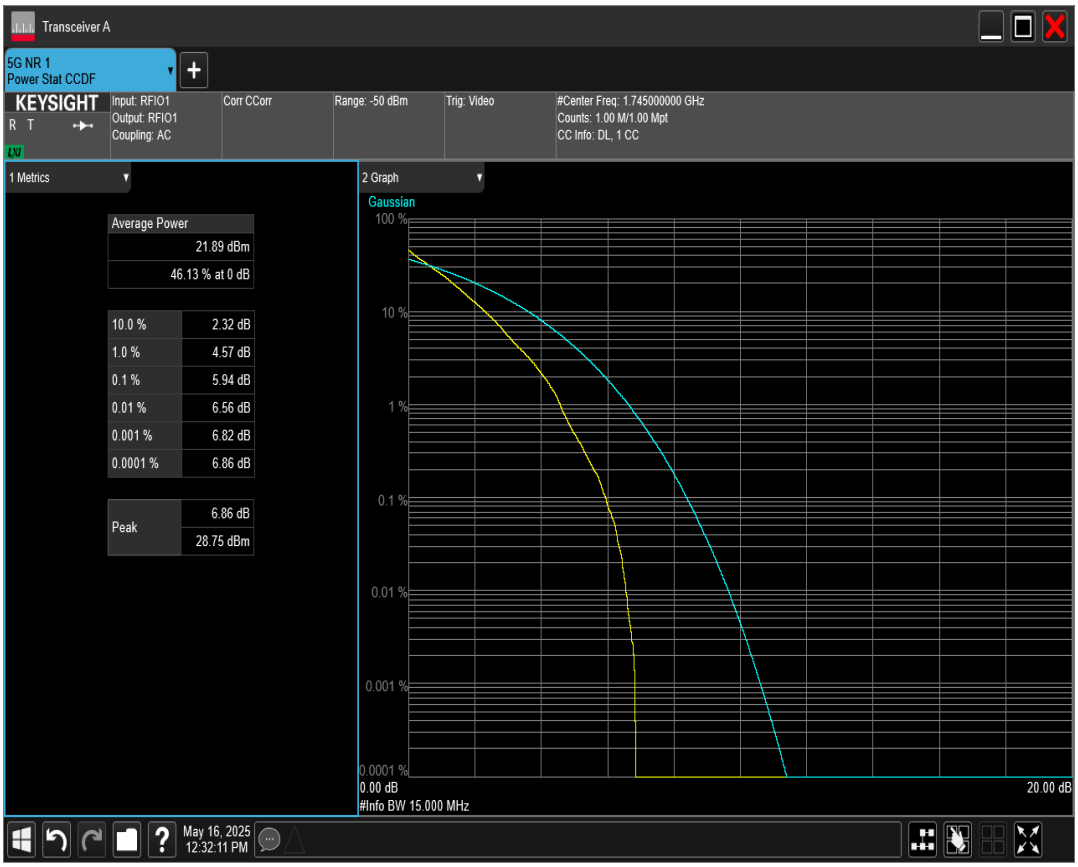
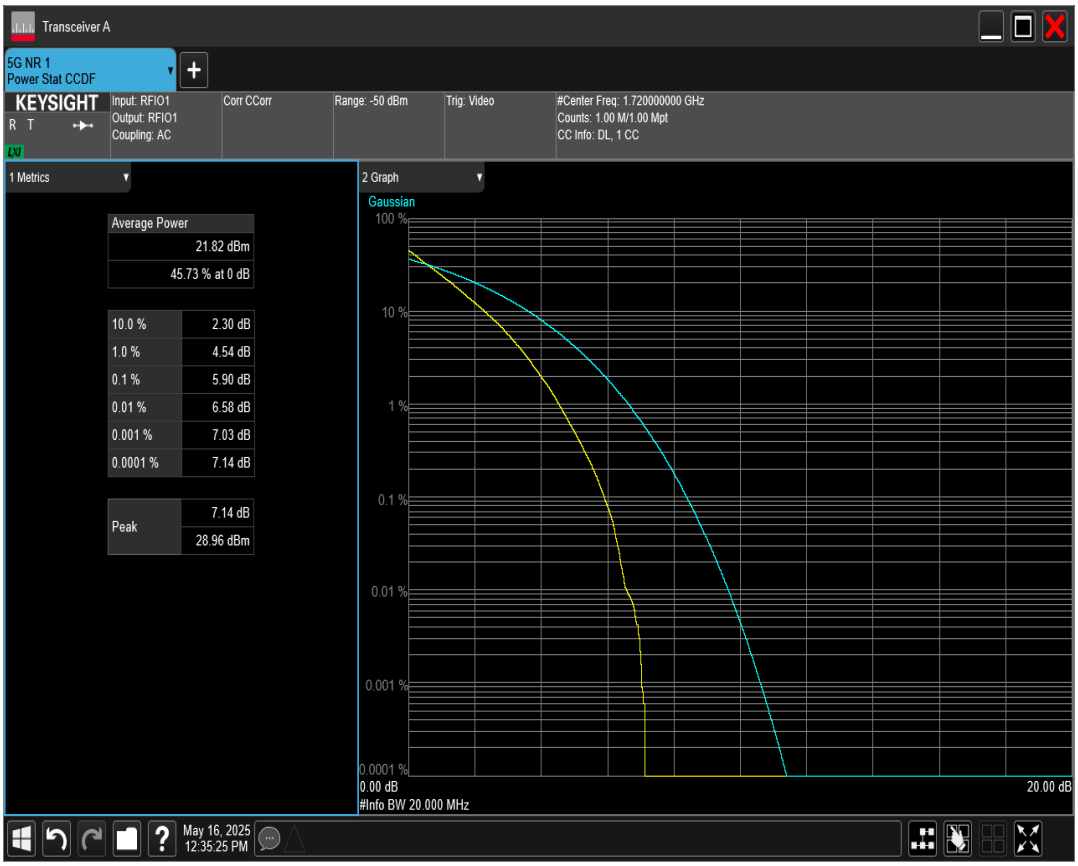
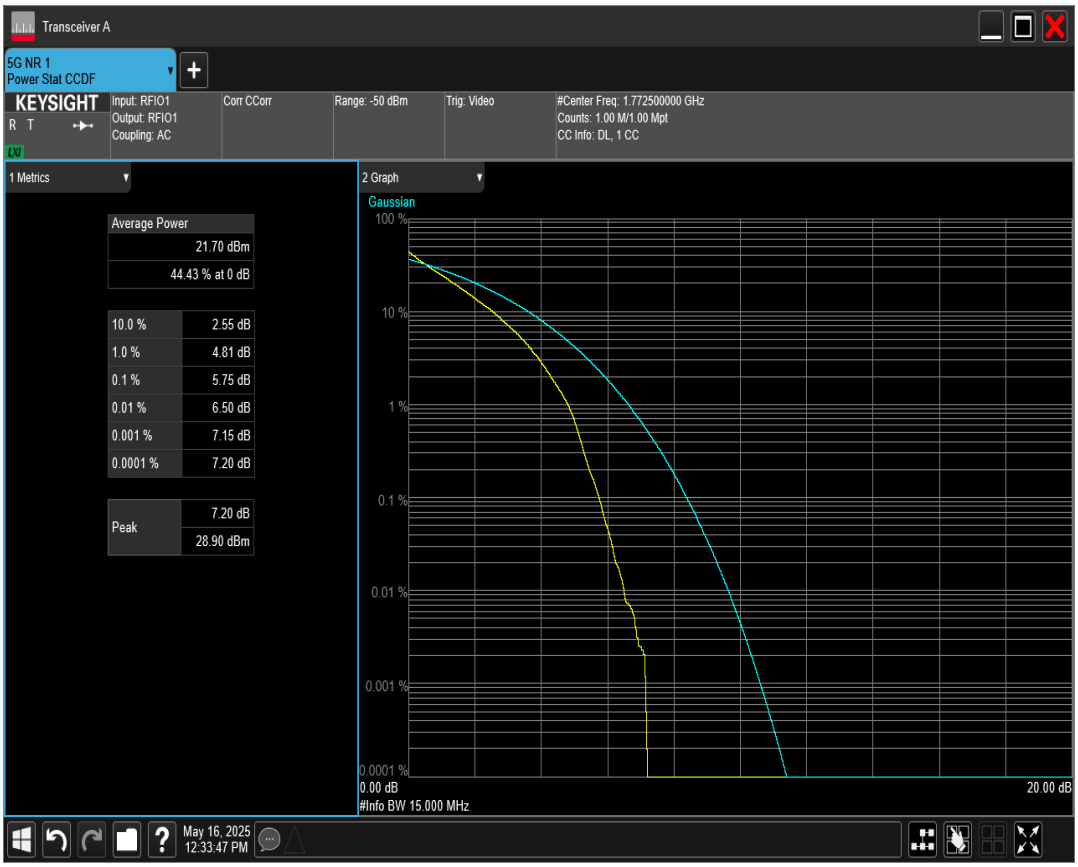


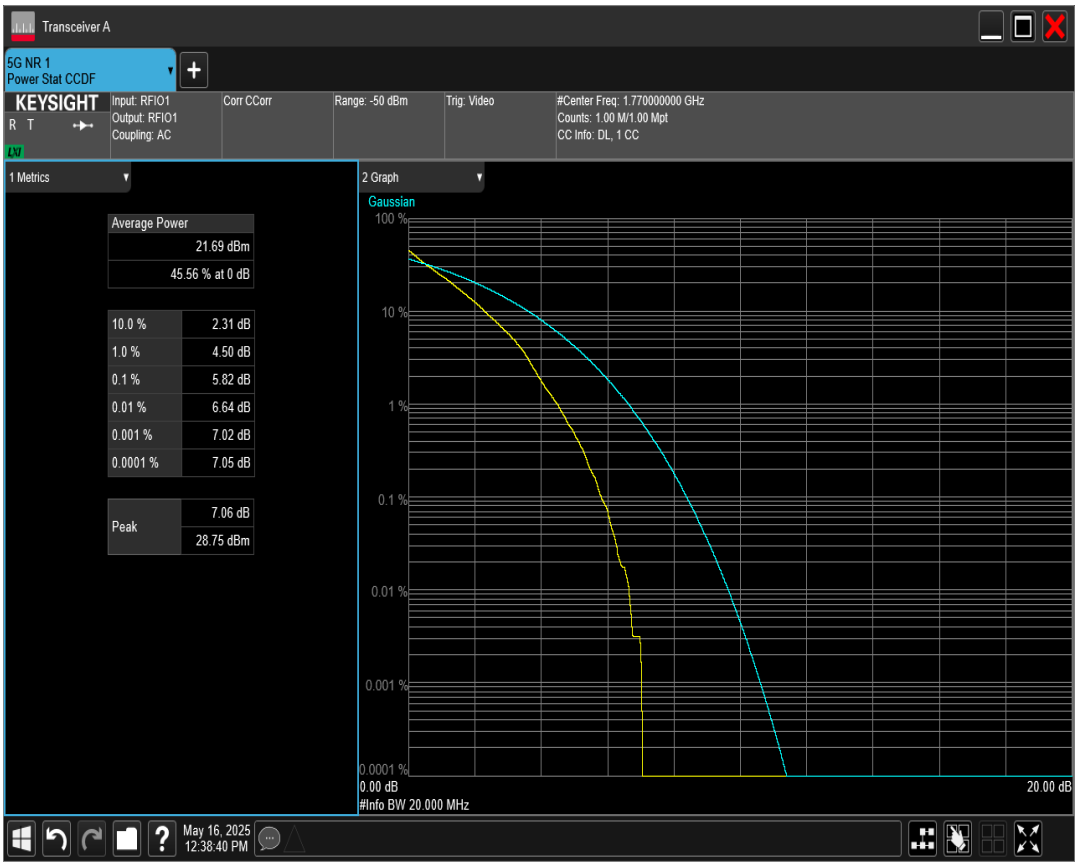
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=344000 RB=100@0



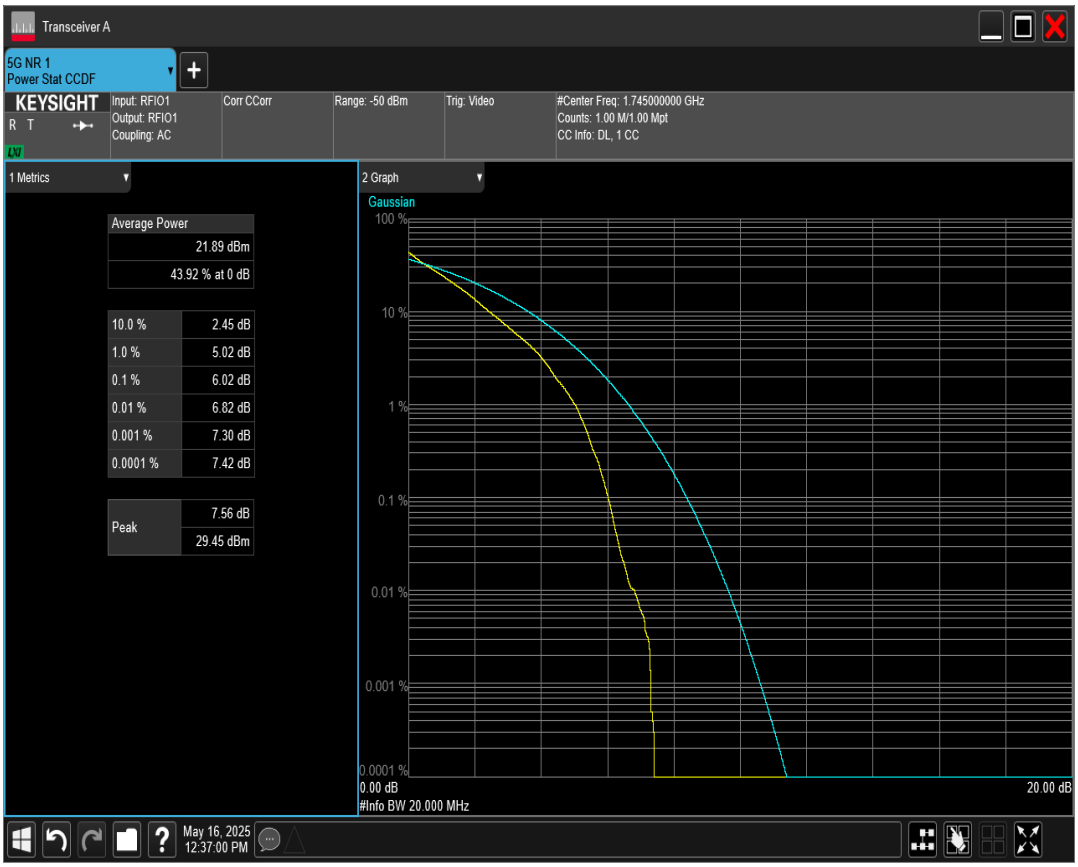
n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=354500 RB=75@0



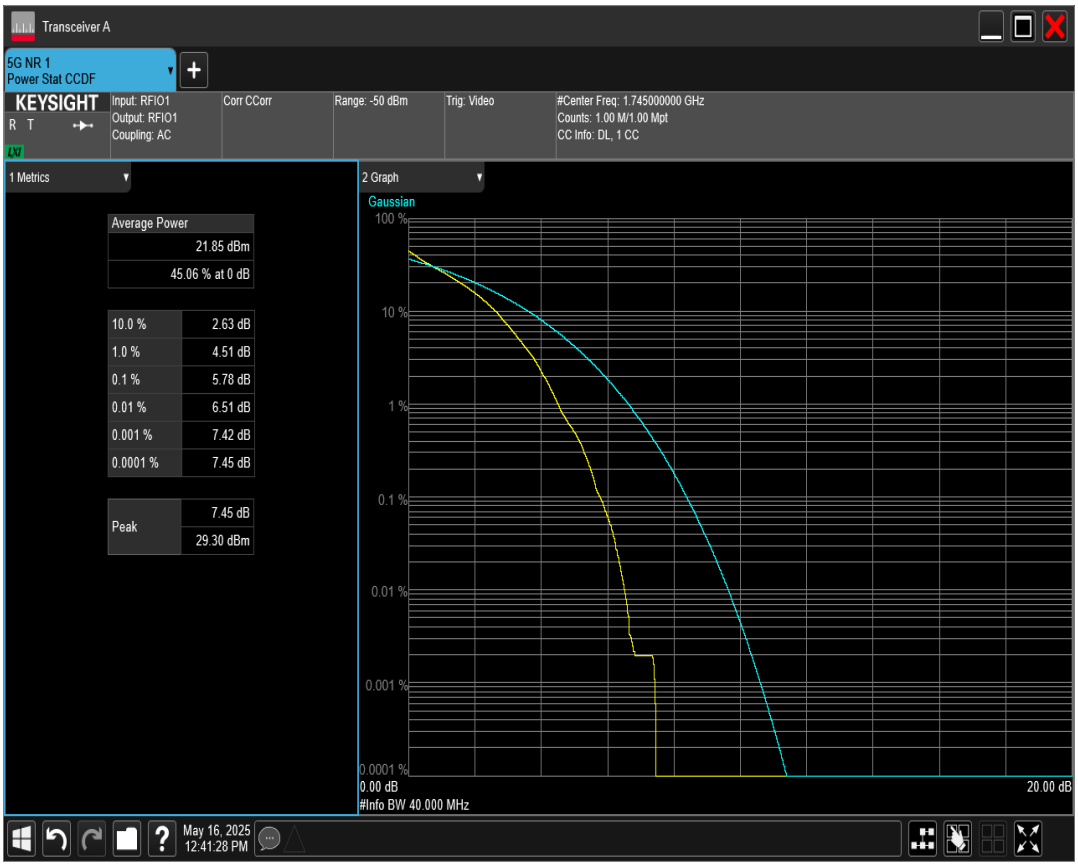
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=354000 RB=100@0



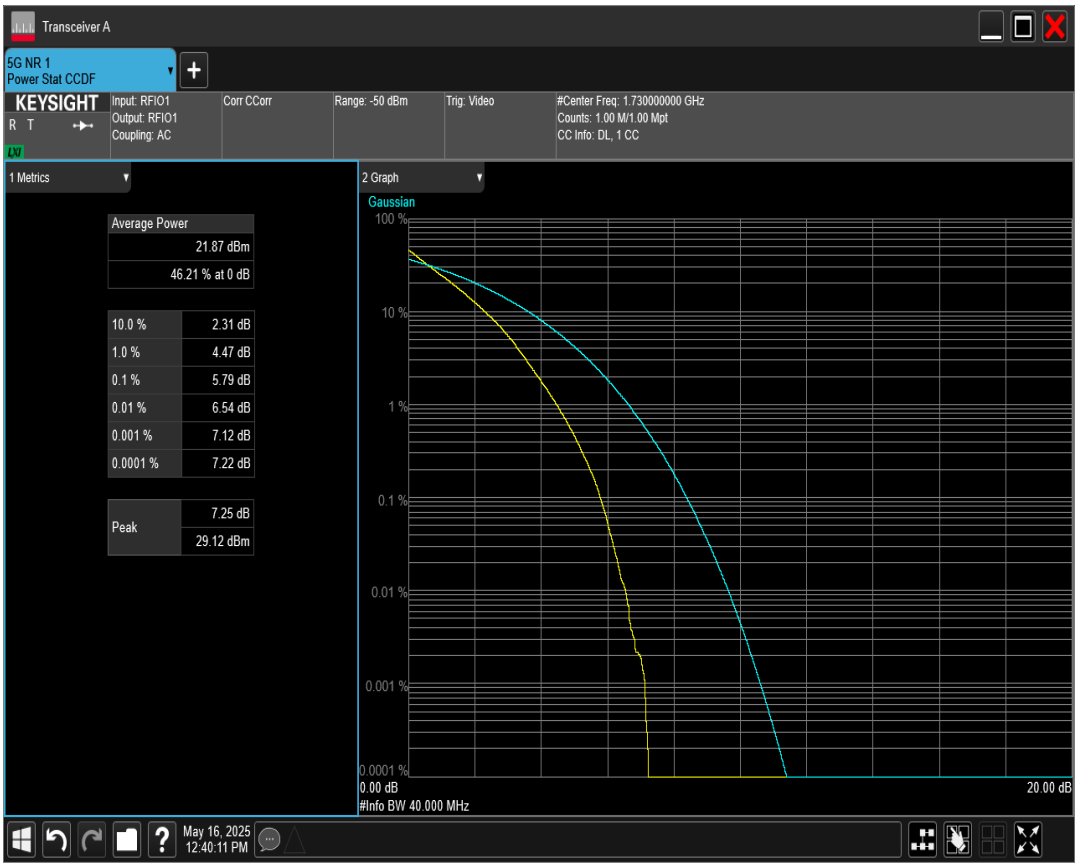
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=349000 RB=100@0



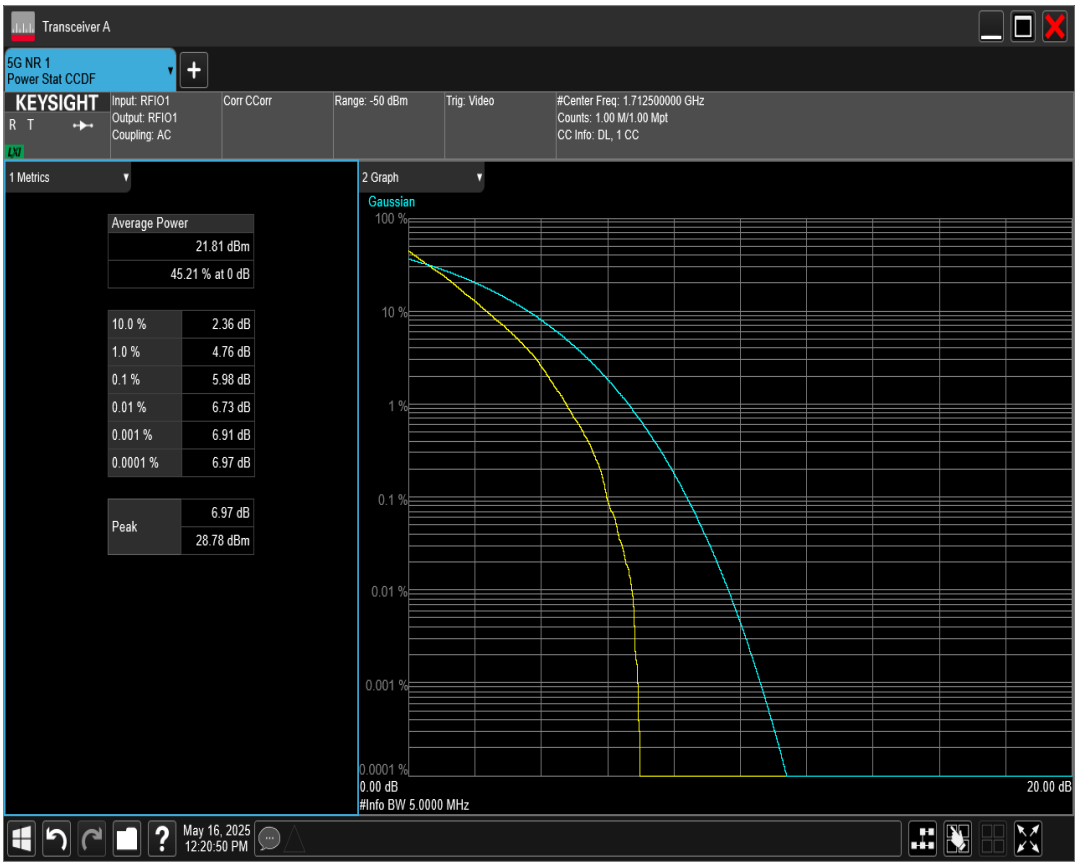
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=349000 RB=216@0



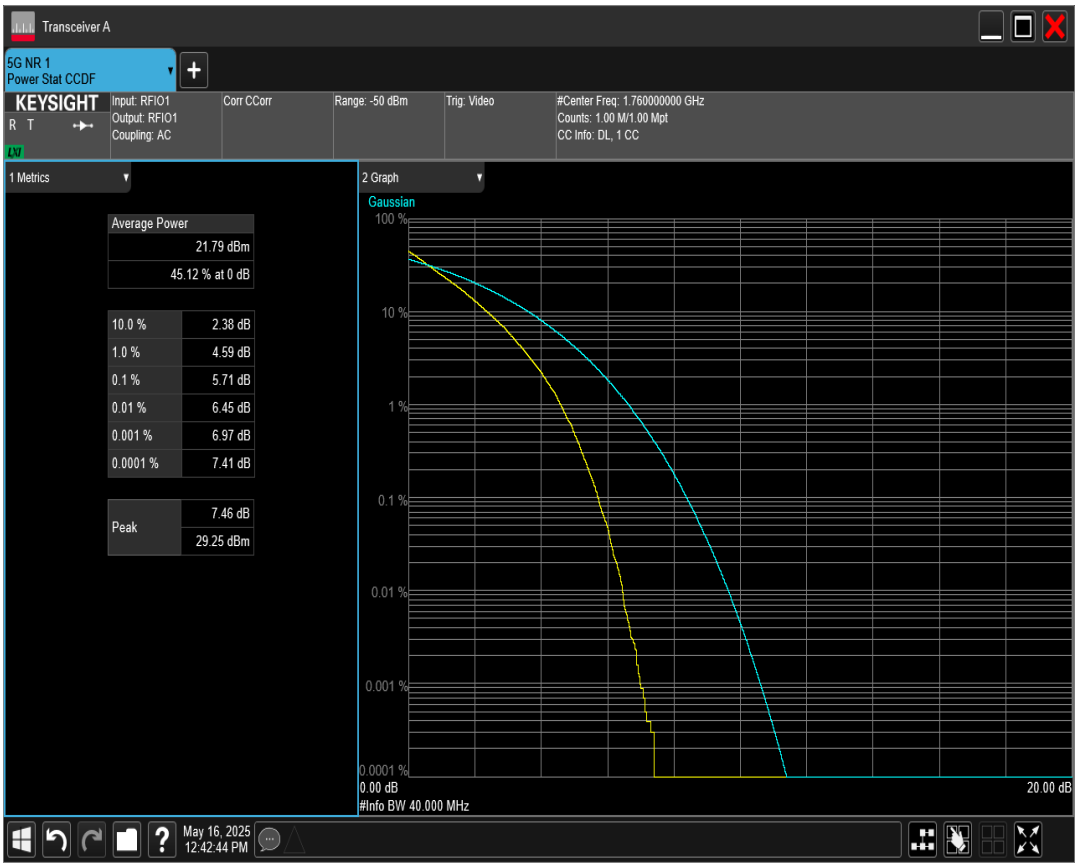
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=346000 RB=216@0



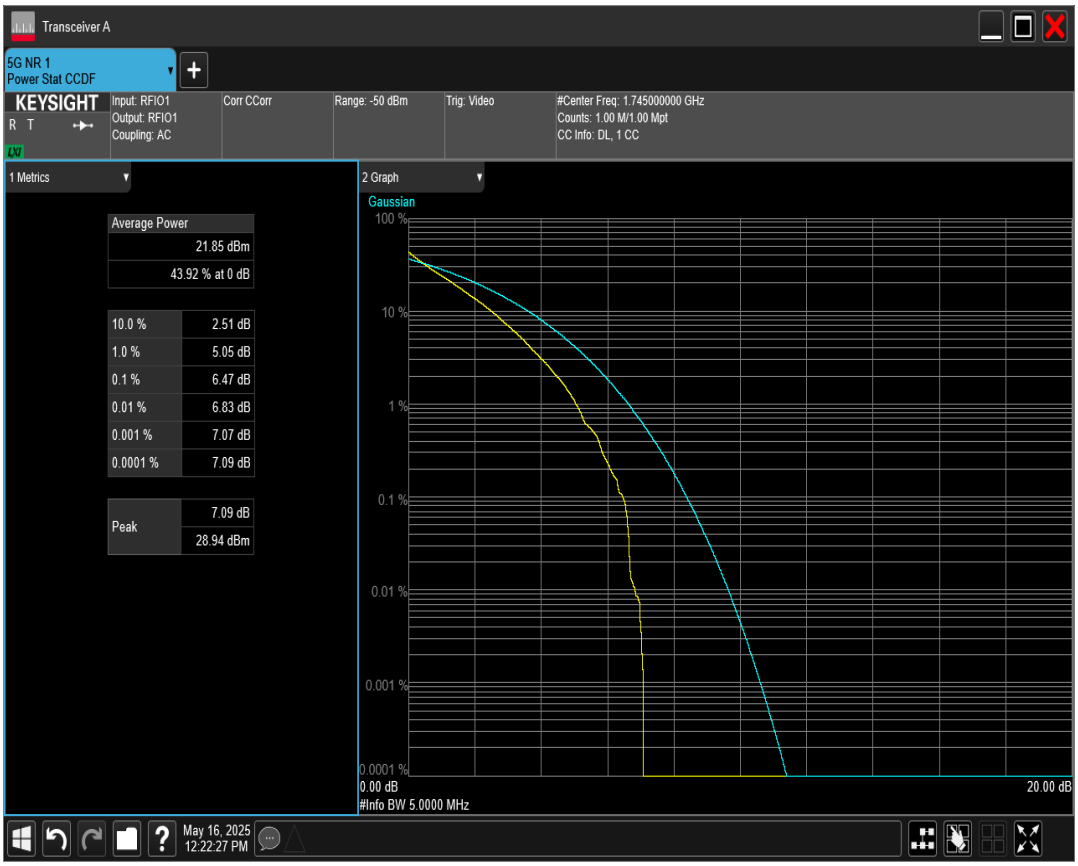
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=342500 RB=25@0



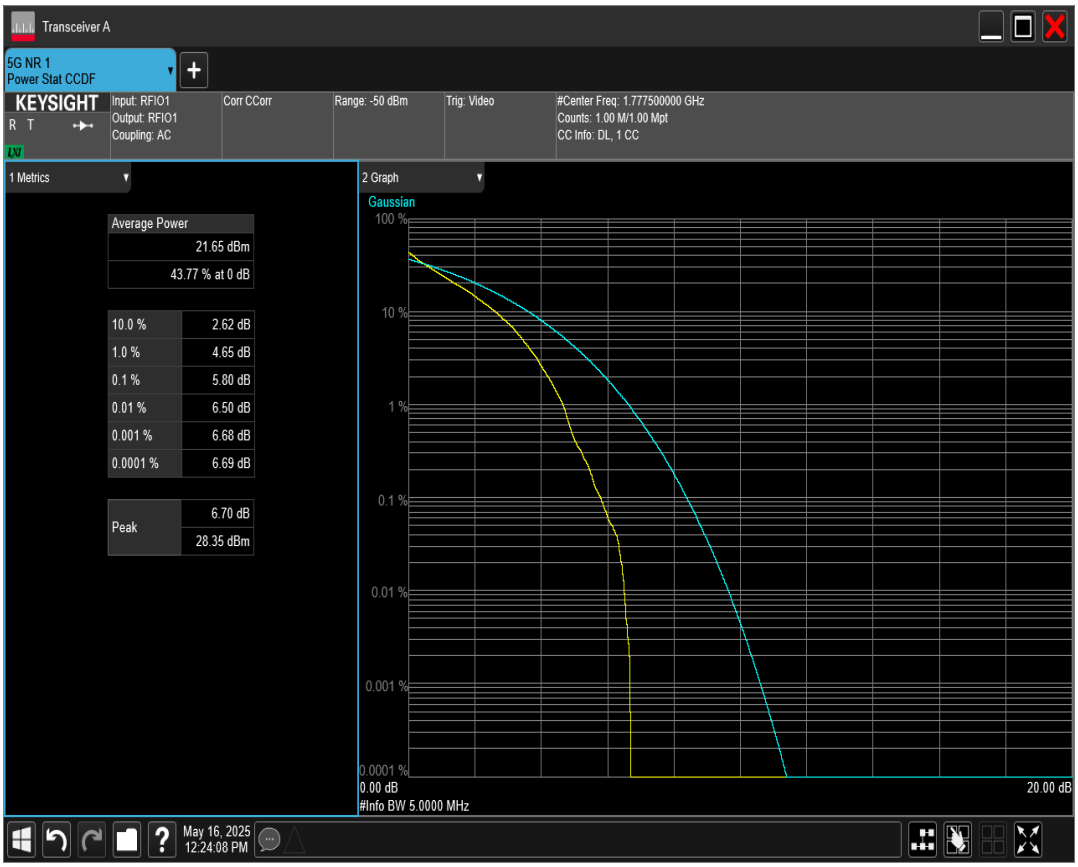
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=352000 RB=216@0



n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=349000 RB=25@0



n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=355500 RB=25@0


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
R T
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 1.777500000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
21.65 dBm
43.77 % at 0 dB
10.0 % 2.62 dB
1.0 % 4.65 dB
0.1 % 5.80 dB
0.01 % 6.50 dB
0.001 % 6.68 dB
0.0001 % 6.69 dB
Peak 6.70 dB
28.35 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 5.0000 MHz
May 16, 2025
12:24:08 PM

4 Occupied bandwidth for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n66	15	5	349000	25@0	DFT_BPSK	4.460	4.660	PASS
n66	15	5	349000	25@0	DFT_QPSK	4.460	4.690	PASS
n66	15	5	349000	25@0	DFT_QAM16	4.450	4.620	PASS
n66	15	5	349000	25@0	DFT_QAM64	4.450	4.660	PASS
n66	15	5	349000	25@0	DFT_QAM256	4.460	4.600	PASS
n66	15	10	349000	50@0	DFT_BPSK	9.250	9.140	PASS
n66	15	10	349000	50@0	DFT_QPSK	9.240	9.200	PASS
n66	15	10	349000	50@0	DFT_QAM16	9.210	9.140	PASS
n66	15	10	349000	50@0	DFT_QAM64	9.190	9.110	PASS
n66	15	10	349000	50@0	DFT_QAM256	9.190	9.120	PASS
n66	15	15	349000	75@0	DFT_BPSK	13.950	13.670	PASS
n66	15	15	349000	75@0	DFT_QPSK	13.970	13.630	PASS
n66	15	15	349000	75@0	DFT_QAM16	13.930	13.630	PASS
n66	15	15	349000	75@0	DFT_QAM64	13.950	13.600	PASS
n66	15	15	349000	75@0	DFT_QAM256	13.910	13.620	PASS
n66	15	20	349000	100@0	DFT_BPSK	18.680	18.160	PASS
n66	15	20	349000	100@0	DFT_QPSK	18.700	18.130	PASS
n66	15	20	349000	100@0	DFT_QAM16	18.700	18.170	PASS
n66	15	20	349000	100@0	DFT_QAM64	18.760	18.160	PASS
n66	15	20	349000	100@0	DFT_QAM256	18.700	18.160	PASS
n66	15	40	349000	216@0	DFT_BPSK	38.410	38.990	PASS
n66	15	40	349000	216@0	DFT_QPSK	38.470	39.020	PASS
n66	15	40	349000	216@0	DFT_QAM16	38.510	39.040	PASS
n66	15	40	349000	216@0	DFT_QAM64	38.510	39.100	PASS
n66	15	40	349000	216@0	DFT_QAM256	38.510	39.130	PASS

n66 SCS=15kHz DFT_BPSK BW=10MHz Channel=349000 RB=50@0

n66 SCS=15kHz DFT_BPSK BW=15MHz Channel=349000 RB=75@0

n66 SCS=15kHz DFT_BPSK BW=20MHz Channel=349000 RB=100@0

n66 SCS=15kHz DFT_BPSK BW=5MHz Channel=349000 RB=25@0

n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=349000 RB=216@0

n66 SCS=15kHz DFT_QAM16 BW=10MHz Channel=349000 RB=50@0

n66 SCS=15kHz DFT_QAM16 BW=20MHz Channel=349000 RB=100@0

n66 SCS=15kHz DFT_QAM16 BW=15MHz Channel=349000 RB=75@0

n66 SCS=15kHz DFT_QAM16 BW=5MHz Channel=349000 RB=25@0

n66 SCS=15kHz DFT_QAM16 BW=40MHz Channel=349000 RB=216@0

n66 SCS=15kHz DFT_QAM256 BW=15MHz Channel=349000 RB=75@0

n66 SCS=15kHz DFT_QAM256 BW=10MHz Channel=349000 RB=50@0

n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=349000 RB=100@0