TABLE OF CONTENTS

1 Conducted output power for EN-DC 2
2 Frequency stability for EN-DC 4
3 Peak-to-Average Ratio for EN-DC 6
4 Occupied bandwidth for EN-DC 38
5 Band edge for EN-DC 49
6 Out-of-band emissions for EN-DC 59

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
Band66	30	5	131997	1@0	QPSK	16.70			
n66	30	10	343000	1@0	DFT_BPSK	22.07			
Sum	30					23.17	19	26	PASS
Band66	30	5	132322	8@0	QPSK	16.84			
n66	30	10	349000	12@6	DFT_BPSK	21.84			
Sum	30					23.03	19	26	PASS
Band66	30	5	132322	8@0	QPSK	16.85			
n66	30	10	349000	12@6	DFT_QPSK	21.83			
Sum	30					23.02	19	26	PASS
Band66	30	5	132647	1@17	QPSK	16.87			
n66	30	10	355000	1@23	DFT_BPSK	21.10			
Sum	30					22.49	19	26	PASS
Band66	30	5	132647	8@17	QPSK	16.76			
n66	30	10	355000	12@6	DFT_BPSK	21.14			
Sum	30					22.49	19	26	PASS
Band66	30	5	132647	1@17	QPSK	16.88			
n66	30	10	355000	1@23	DFT_QPSK	21.02			
Sum	30					22.43	19	26	PASS
Band66	30	5	132647	8@17	QPSK	16.72			
n66	30	10	355000	12@6	DFT_QPSK	21.17			
Sum	30					22.50	19	26	PASS
Band66	30	20	132072	1@0	QPSK	16.78			
n66	30	40	346000	1@0	DFT_BPSK	21.55			
Sum	30					22.79	19	26	PASS
Band66	30	20	132322	18@0	QPSK	16.57			
n66	30	40	349000	50@25	DFT_BPSK	22.04			
Sum	30					23.12	19	26	PASS
Band66	30	20	132322	18@0	QPSK	16.58			
n66	30	40	349000	50@25	DFT_QPSK	22.02			
Sum	30					23.11	19	26	PASS
Band66	30	20	132572	1@72	QPSK	16.90			
n66	30	40	352000	1@105	DFT_BPSK	20.81			
Sum	30					22.29	19	26	PASS
Band66	30	20	132572	18@72	QPSK	16.74			
n66	30	40	352000	50@25	DFT_BPSK	21.37			
Sum	30					22.65	19	26	PASS
Band66	30	20	132572	1@72	QPSK	16.90			
n66	30	40	352000	1@105	DFT_QPSK	20.69			
Sum	30					22.20	19	26	PASS

Band66	30	20	132572	18@72	QPSK	16.75			
n66	30	40	352000	50@25	DFT_QPSK	21.38			
Sum	30					22.66	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	30	10	343000	12@6	DFT_BPSK	0.66	0.00038	-2.5	2.5	PASS
n66	30	10	343000	1@1	DFT_BPSK	0.19	0.00011	-2.5	2.5	PASS
n66	30	10	343000	1@22	DFT_BPSK	0.02	0.00001	-2.5	2.5	PASS
n66	30	10	343000	12@6	DFT_QPSK	-1.31	-0.00076	-2.5	2.5	PASS
n66	30	10	343000	1@1	DFT_QPSK	-1.74	-0.00101	-2.5	2.5	PASS
n66	30	10	343000	1@22	DFT_QPSK	1.66	0.00097	-2.5	2.5	PASS
n66	30	10	349000	12@6	DFT_BPSK	-2.69	-0.00154	-2.5	2.5	PASS
n66	30	10	349000	1@1	DFT_BPSK	0.30	0.00017	-2.5	2.5	PASS
n66	30	10	349000	1@22	DFT_BPSK	-1.10	-0.00063	-2.5	2.5	PASS
n66	30	10	349000	12@6	DFT_QPSK	-2.20	-0.00126	-2.5	2.5	PASS
n66	30	10	349000	1@1	DFT_QPSK	-2.59	-0.00148	-2.5	2.5	PASS
n66	30	10	349000	1@22	DFT_QPSK	-0.28	-0.00016	-2.5	2.5	PASS
n66	30	10	355000	12@6	DFT_BPSK	-2.06	-0.00116	-2.5	2.5	PASS
n66	30	10	355000	1@1	DFT_BPSK	-1.06	-0.00060	-2.5	2.5	PASS
n66	30	10	355000	1@22	DFT_BPSK	-1.55	-0.00087	-2.5	2.5	PASS
n66	30	10	355000	12@6	DFT_QPSK	1.47	0.00083	-2.5	2.5	PASS
n66	30	10	355000	1@1	DFT_QPSK	0.26	0.00015	-2.5	2.5	PASS
n66	30	10	355000	1@22	DFT_QPSK	-1.75	-0.00099	-2.5	2.5	PASS
n66	30	20	344000	25@12	DFT_BPSK	-1.21	-0.00070	-2.5	2.5	PASS
n66	30	20	344000	1@1	DFT_BPSK	-2.42	-0.00141	-2.5	2.5	PASS
n66	30	20	344000	1@49	DFT_BPSK	-4.43	-0.00258	-2.5	2.5	PASS
n66	30	20	344000	25@12	DFT_QPSK	-2.87	-0.00167	-2.5	2.5	PASS
n66	30	20	344000	1@1	DFT_QPSK	1.20	0.00070	-2.5	2.5	PASS
n66	30	20	344000	1@49	DFT_QPSK	-0.57	-0.00033	-2.5	2.5	PASS
n66	30	20	349000	25@12	DFT_BPSK	-2.62	-0.00150	-2.5	2.5	PASS
n66	30	20	349000	1@1	DFT_BPSK	-0.02	-0.00001	-2.5	2.5	PASS
n66	30	20	349000	1@49	DFT_BPSK	-1.39	-0.00080	-2.5	2.5	PASS
n66	30	20	349000	25@12	DFT_QPSK	1.25	0.00072	-2.5	2.5	PASS
n66	30	20	349000	1@1	DFT_QPSK	-3.98	-0.00228	-2.5	2.5	PASS
n66	30	20	349000	1@49	DFT_QPSK	-1.04	-0.00060	-2.5	2.5	PASS
n66	30	20	354000	25@12	DFT_BPSK	-3.42	-0.00193	-2.5	2.5	PASS
n66	30	20	354000	1@1	DFT_BPSK	-3.41	-0.00193	-2.5	2.5	PASS
n66	30	20	354000	1@49	DFT_BPSK	-0.46	-0.00026	-2.5	2.5	PASS
n66	30	20	354000	25@12	DFT_QPSK	-3.97	-0.00224	-2.5	2.5	PASS
n66	30	20	354000	1@1	DFT_QPSK	0.66	0.00037	-2.5	2.5	PASS
n66	30	20	354000	1@49	DFT_QPSK	-2.60	-0.00147	-2.5	2.5	PASS
n66	30	40	346000	50@25	DFT_BPSK	-1.08	-0.00062	-2.5	2.5	PASS
n66	30	40	346000	1@1	DFT_BPSK	-2.60	-0.00150	-2.5	2.5	PASS
n66	30	40	346000	1@104	DFT_BPSK	-4.81	-0.00278	-2.5	2.5	PASS

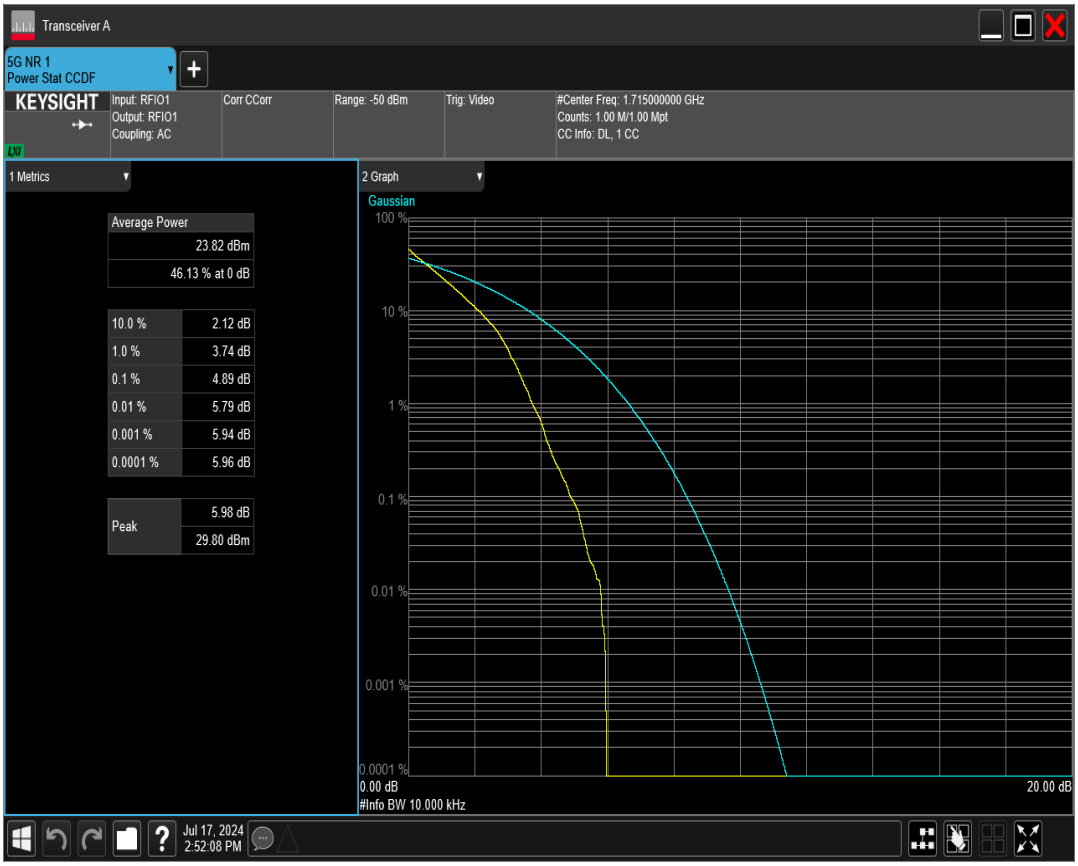
n66	30	40	346000	50@25	DFT_QPSK	0.05	0.00003	-2.5	2.5	PASS
n66	30	40	346000	1@1	DFT_QPSK	-5.43	-0.00314	-2.5	2.5	PASS
n66	30	40	346000	1@104	DFT_QPSK	-3.49	-0.00202	-2.5	2.5	PASS
n66	30	40	349000	50@25	DFT_BPSK	-1.13	-0.00065	-2.5	2.5	PASS
n66	30	40	349000	1@1	DFT_BPSK	0.63	0.00036	-2.5	2.5	PASS
n66	30	40	349000	1@104	DFT_BPSK	-3.99	-0.00229	-2.5	2.5	PASS
n66	30	40	349000	50@25	DFT_QPSK	-2.83	-0.00162	-2.5	2.5	PASS
n66	30	40	349000	1@1	DFT_QPSK	0.41	0.00023	-2.5	2.5	PASS
n66	30	40	349000	1@104	DFT_QPSK	0.32	0.00018	-2.5	2.5	PASS
n66	30	40	352000	50@25	DFT_BPSK	-0.09	-0.00005	-2.5	2.5	PASS
n66	30	40	352000	1@1	DFT_BPSK	-4.00	-0.00227	-2.5	2.5	PASS
n66	30	40	352000	1@104	DFT_BPSK	1.61	0.00091	-2.5	2.5	PASS
n66	30	40	352000	50@25	DFT_QPSK	-3.33	-0.00189	-2.5	2.5	PASS
n66	30	40	352000	1@1	DFT_QPSK	-0.70	-0.00040	-2.5	2.5	PASS
n66	30	40	352000	1@104	DFT_QPSK	-1.14	-0.00065	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

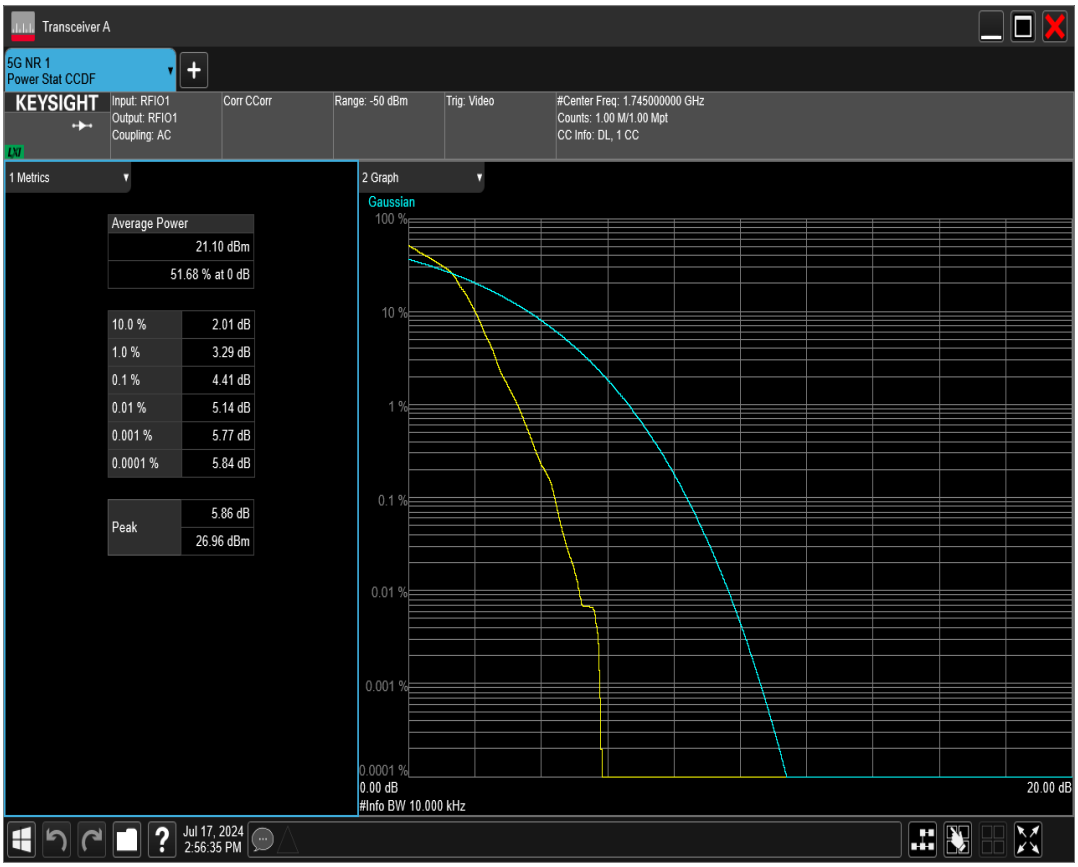
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n66	30	10	343000	24@0	DFT_BPSK	4.89	13	PASS
n66	30	10	343000	24@0	DFT_QPSK	5.85	13	PASS
n66	30	10	343000	24@0	DFT_QAM16	6.68	13	PASS
n66	30	10	343000	24@0	DFT_QAM64	6.92	13	PASS
n66	30	10	343000	24@0	DFT_QAM256	6.90	13	PASS
n66	30	10	349000	24@0	DFT_BPSK	4.41	13	PASS
n66	30	10	349000	24@0	DFT_QPSK	5.87	13	PASS
n66	30	10	349000	24@0	DFT_QAM16	6.85	13	PASS
n66	30	10	349000	24@0	DFT_QAM64	6.87	13	PASS
n66	30	10	349000	24@0	DFT_QAM256	6.87	13	PASS
n66	30	10	355000	24@0	DFT_BPSK	4.80	13	PASS
n66	30	10	355000	24@0	DFT_QPSK	5.82	13	PASS
n66	30	10	355000	24@0	DFT_QAM16	6.63	13	PASS
n66	30	10	355000	24@0	DFT_QAM64	6.82	13	PASS
n66	30	10	355000	24@0	DFT_QAM256	6.77	13	PASS
n66	30	15	343500	36@0	DFT_BPSK	5.56	13	PASS
n66	30	15	343500	36@0	DFT_QPSK	5.92	13	PASS
n66	30	15	343500	36@0	DFT_QAM16	6.64	13	PASS
n66	30	15	343500	36@0	DFT_QAM64	6.38	13	PASS
n66	30	15	343500	36@0	DFT_QAM256	6.74	13	PASS
n66	30	15	349000	36@0	DFT_BPSK	3.35	13	PASS
n66	30	15	349000	36@0	DFT_QPSK	5.87	13	PASS
n66	30	15	349000	36@0	DFT_QAM16	6.89	13	PASS
n66	30	15	349000	36@0	DFT_QAM64	6.83	13	PASS
n66	30	15	349000	36@0	DFT_QAM256	6.75	13	PASS
n66	30	15	354500	36@0	DFT_BPSK	4.56	13	PASS
n66	30	15	354500	36@0	DFT_QPSK	5.88	13	PASS
n66	30	15	354500	36@0	DFT_QAM16	6.41	13	PASS
n66	30	15	354500	36@0	DFT_QAM64	6.80	13	PASS
n66	30	15	354500	36@0	DFT_QAM256	6.73	13	PASS
n66	30	20	344000	50@0	DFT_BPSK	5.59	13	PASS
n66	30	20	344000	50@0	DFT_QPSK	6.00	13	PASS
n66	30	20	344000	50@0	DFT_QAM16	6.50	13	PASS
n66	30	20	344000	50@0	DFT_QAM64	6.88	13	PASS
n66	30	20	344000	50@0	DFT_QAM256	6.53	13	PASS
n66	30	20	349000	50@0	DFT_BPSK	4.23	13	PASS
n66	30	20	349000	50@0	DFT_QPSK	5.46	13	PASS
n66	30	20	349000	50@0	DFT_QAM16	6.55	13	PASS
n66	30	20	349000	50@0	DFT_QAM64	6.67	13	PASS
n66	30	20	349000	50@0	DFT_QAM256	6.78	13	PASS

n66	30	20	354000	50@0	DFT_BPSK	4.76	13	PASS
n66	30	20	354000	50@0	DFT_QPSK	5.98	13	PASS
n66	30	20	354000	50@0	DFT_QAM16	6.59	13	PASS
n66	30	20	354000	50@0	DFT_QAM64	6.82	13	PASS
n66	30	20	354000	50@0	DFT_QAM256	6.61	13	PASS
n66	30	40	346000	100@0	DFT_BPSK	6.82	13	PASS
n66	30	40	346000	100@0	DFT_QPSK	5.88	13	PASS
n66	30	40	346000	100@0	DFT_QAM16	6.68	13	PASS
n66	30	40	346000	100@0	DFT_QAM64	6.99	13	PASS
n66	30	40	346000	100@0	DFT_QAM256	7.13	13	PASS
n66	30	40	349000	100@0	DFT_BPSK	11.06	13	PASS
n66	30	40	349000	100@0	DFT_QPSK	5.85	13	PASS
n66	30	40	349000	100@0	DFT_QAM16	7.01	13	PASS
n66	30	40	349000	100@0	DFT_QAM64	7.17	13	PASS
n66	30	40	349000	100@0	DFT_QAM256	7.31	13	PASS
n66	30	40	352000	100@0	DFT_BPSK	5.99	13	PASS
n66	30	40	352000	100@0	DFT_QPSK	5.79	13	PASS
n66	30	40	352000	100@0	DFT_QAM16	6.68	13	PASS
n66	30	40	352000	100@0	DFT_QAM64	7.10	13	PASS
n66	30	40	352000	100@0	DFT_QAM256	7.22	13	PASS

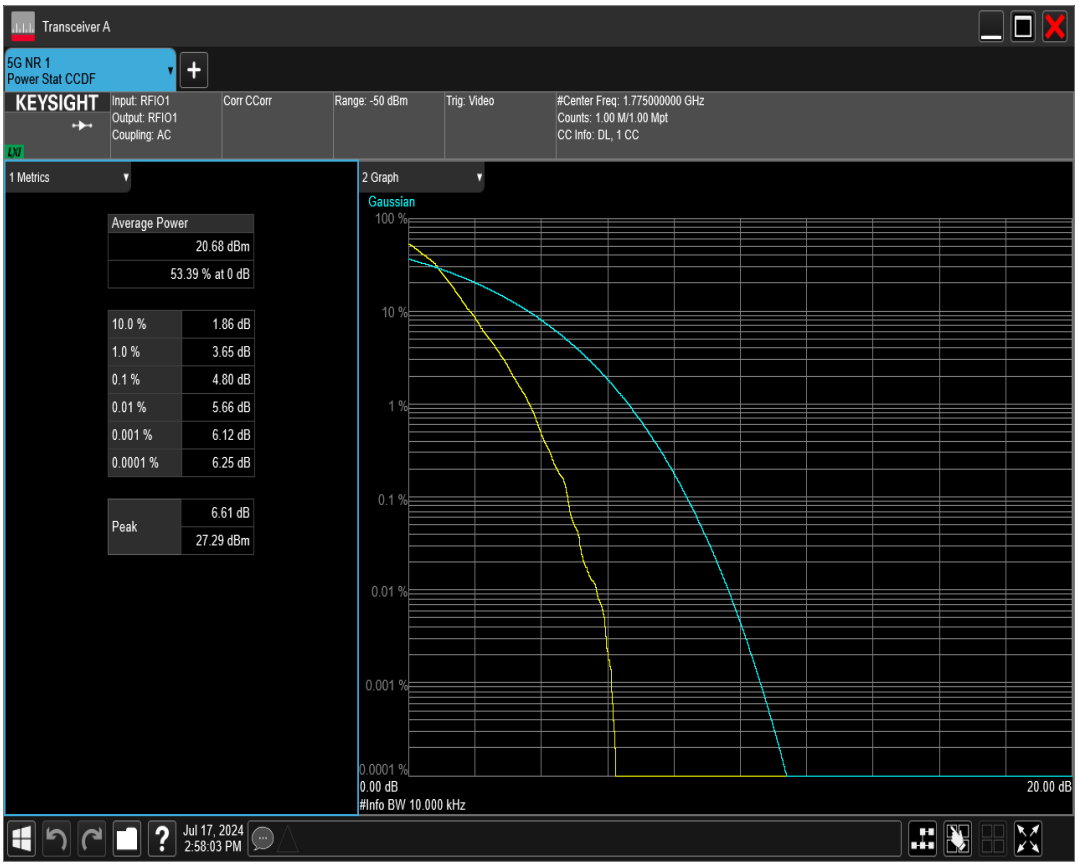
n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=343000 RB=24@0



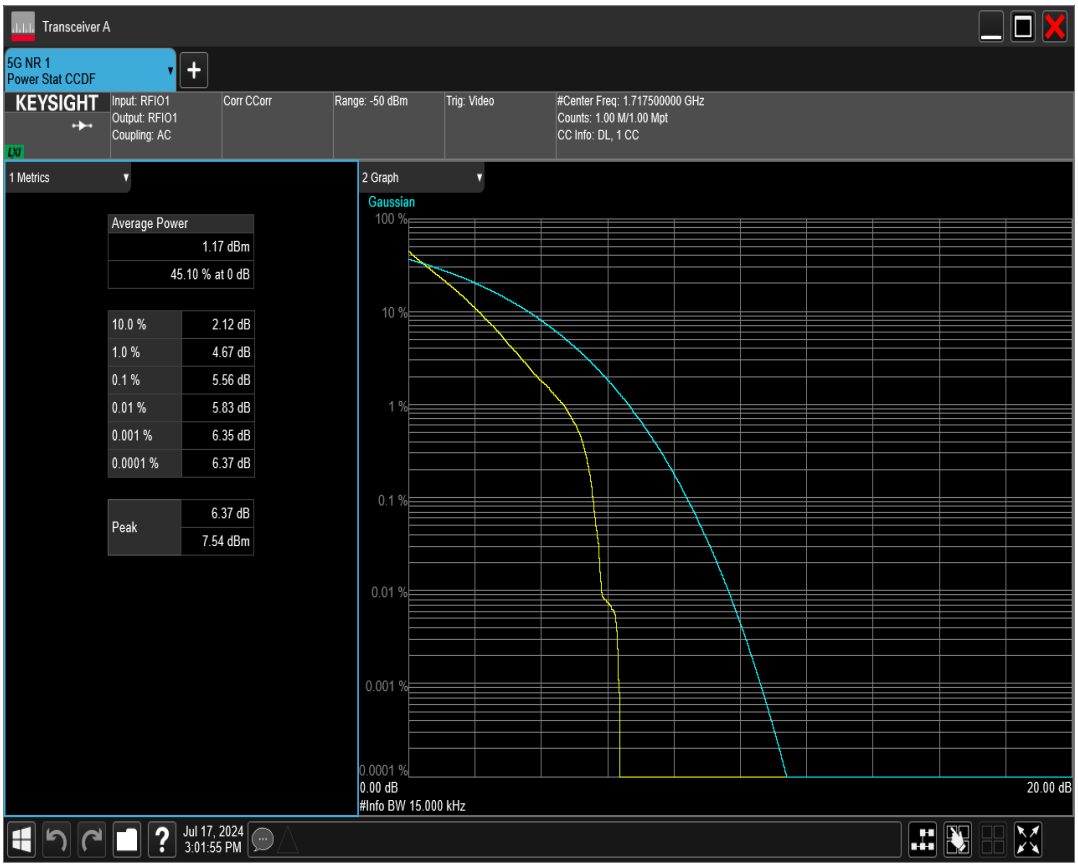
n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=349000 RB=24@0



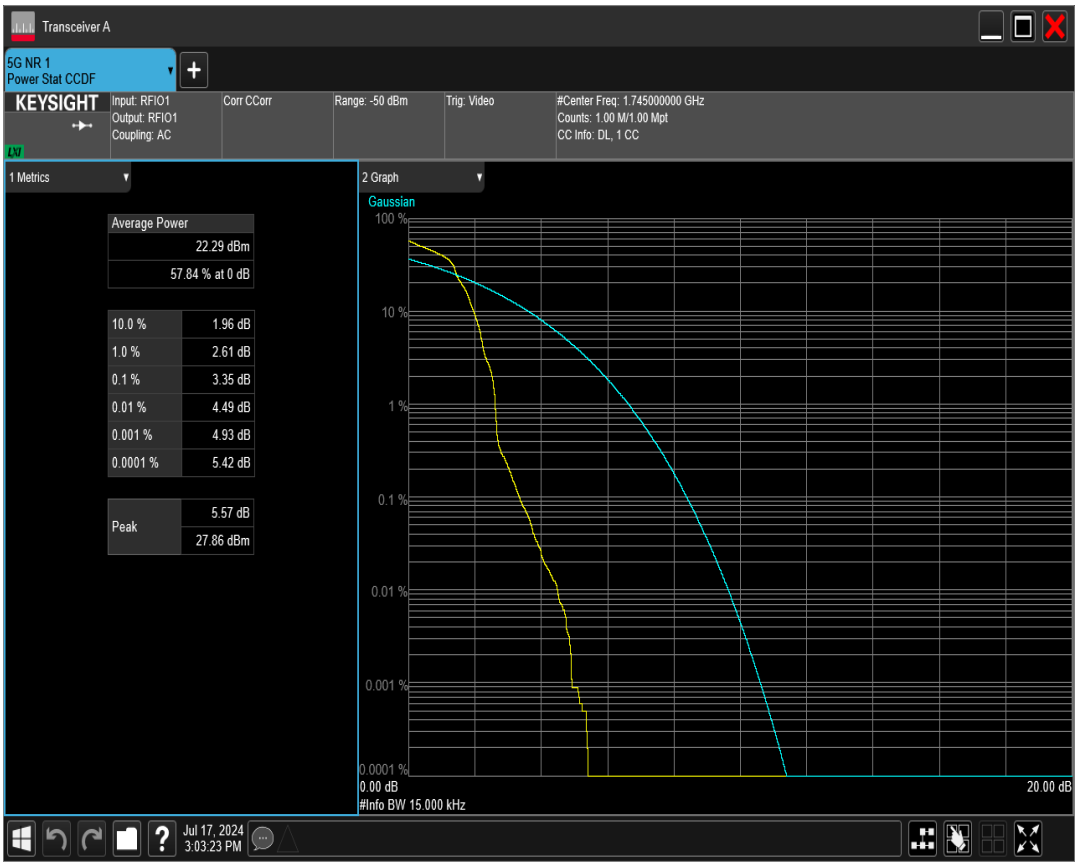
n66 SCS=30kHz DFT_BPSK BW=10MHz Channel=355000 RB=24@0



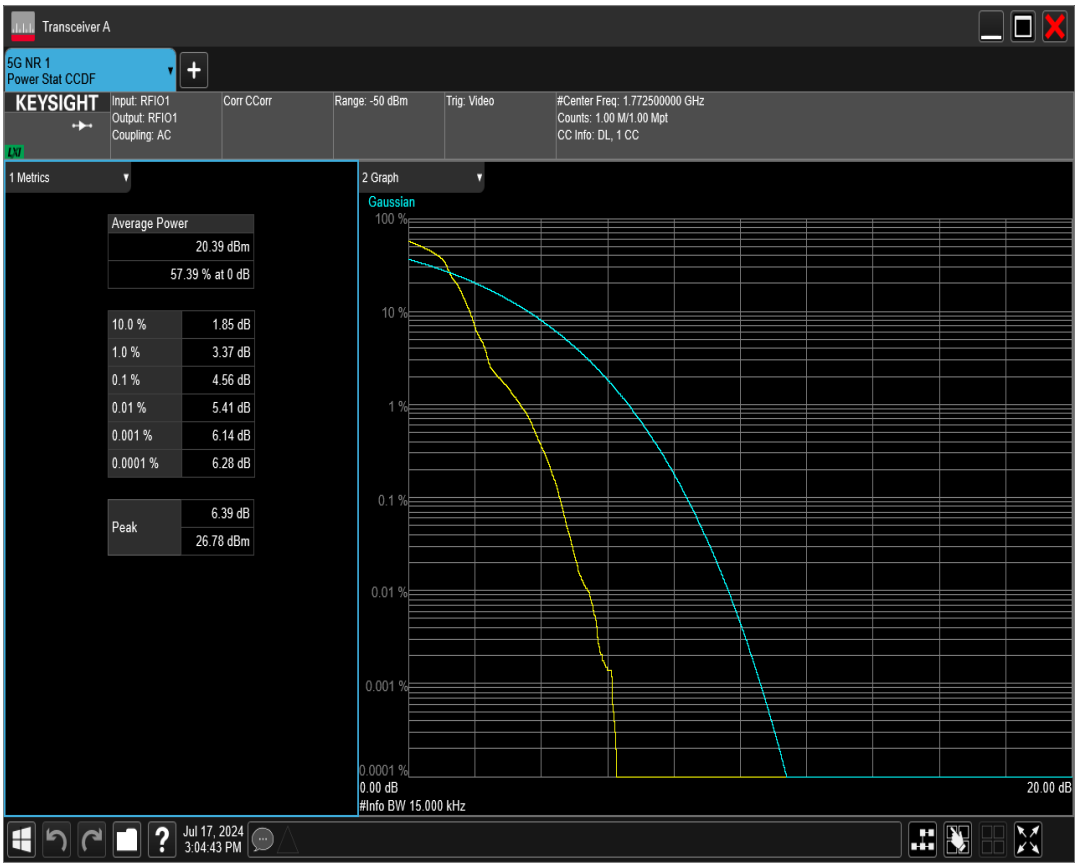
n66 SCS=30kHz DFT_BPSK BW=15MHz Channel=343500 RB=36@0



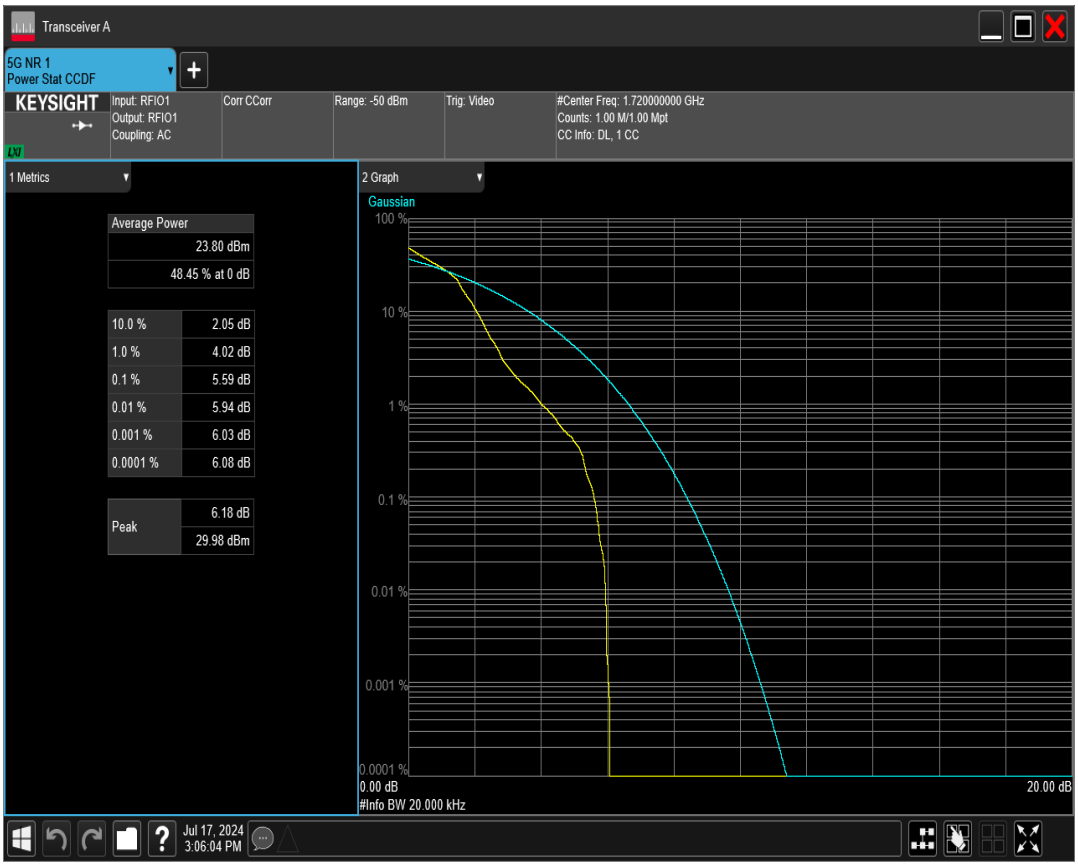
n66 SCS=30kHz DFT_BPSK BW=15MHz Channel=349000 RB=36@0



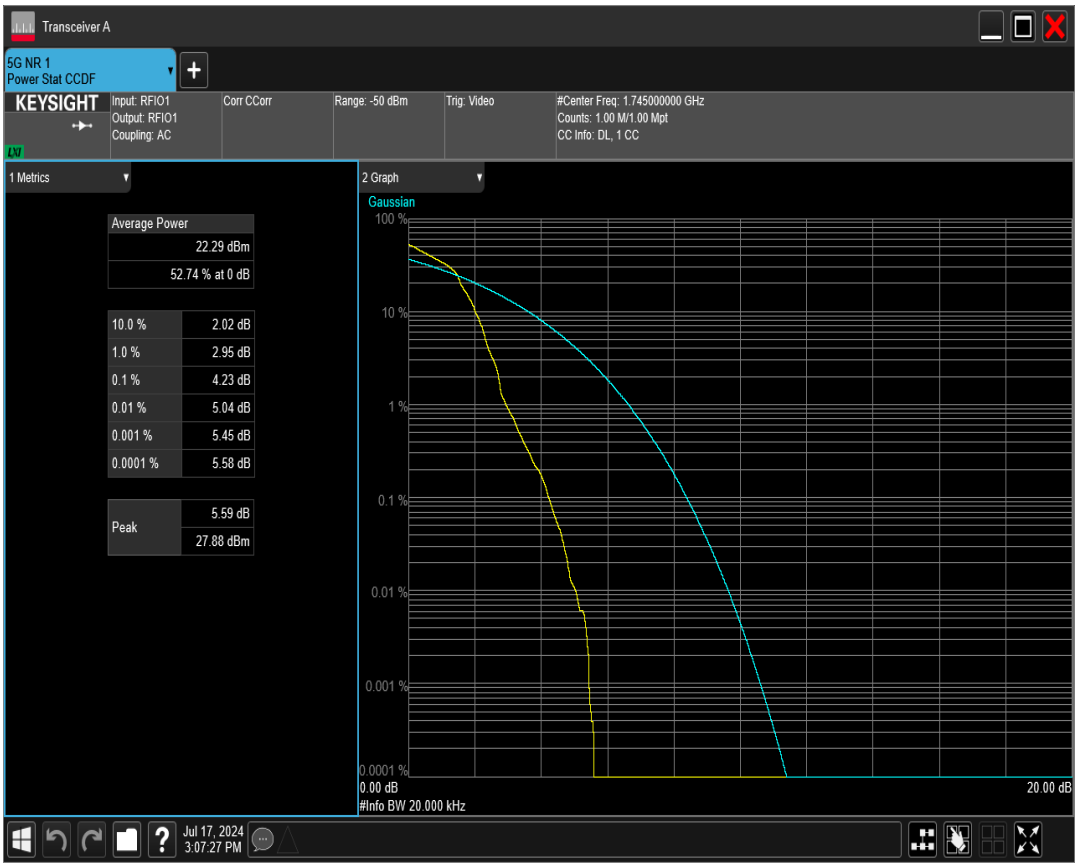
n66 SCS=30kHz DFT_BPSK BW=15MHz Channel=354500 RB=36@0



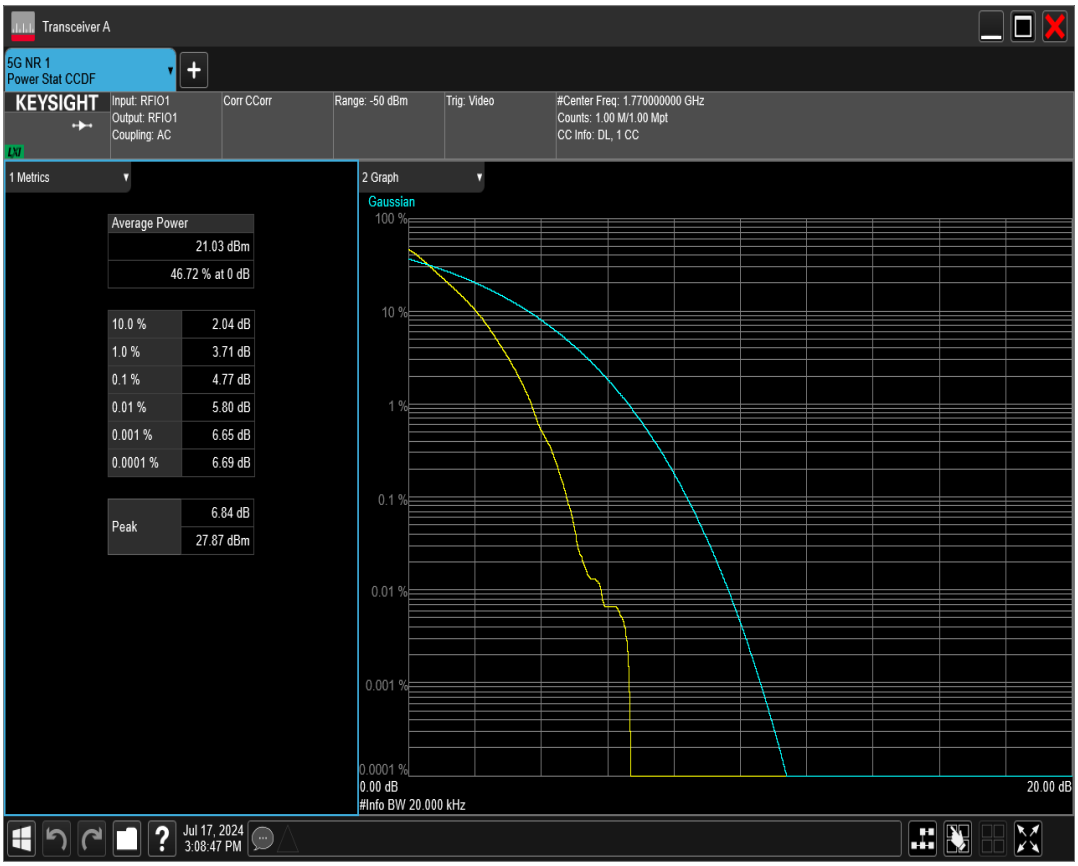
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=344000 RB=50@0



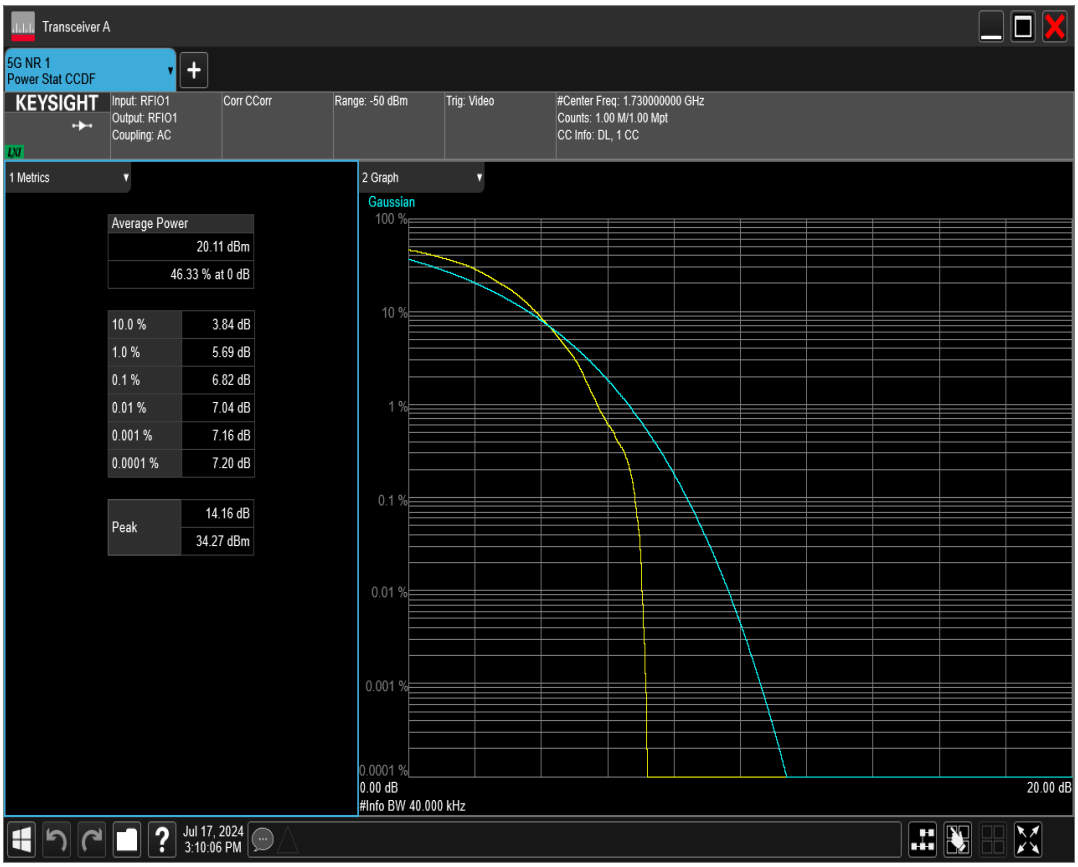
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=349000 RB=50@0



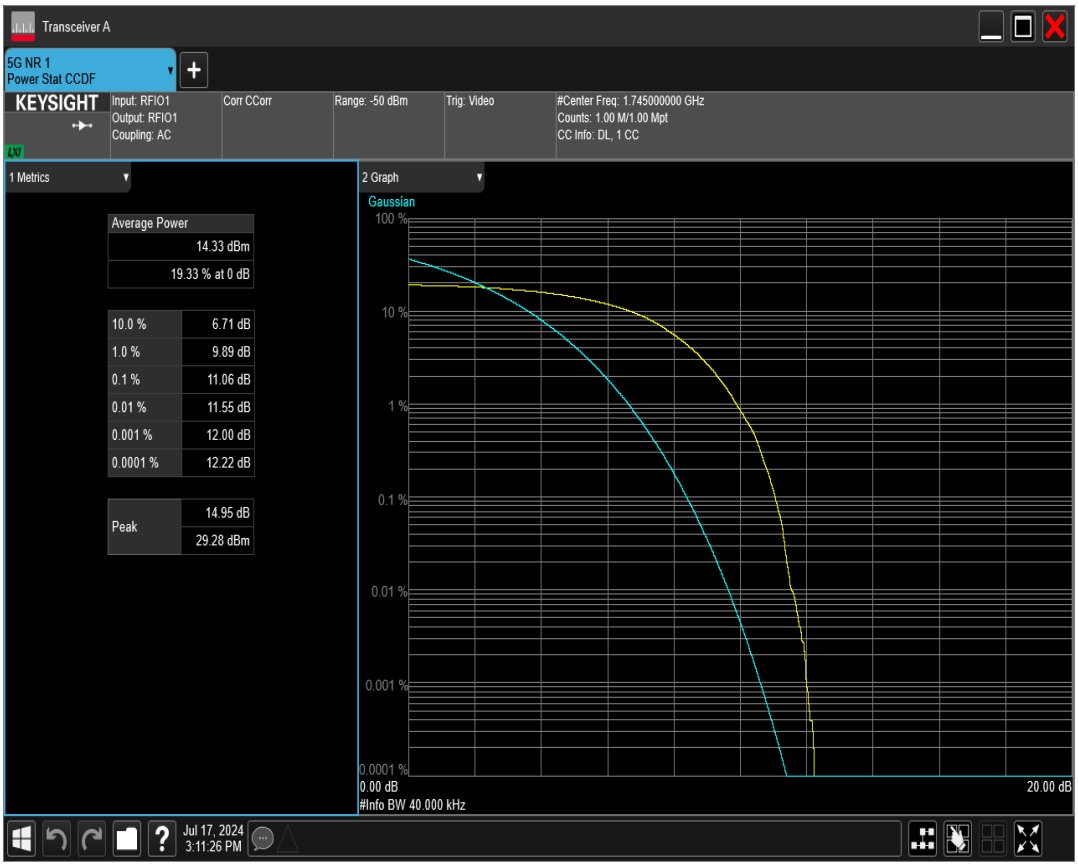
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=354000 RB=50@0



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



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



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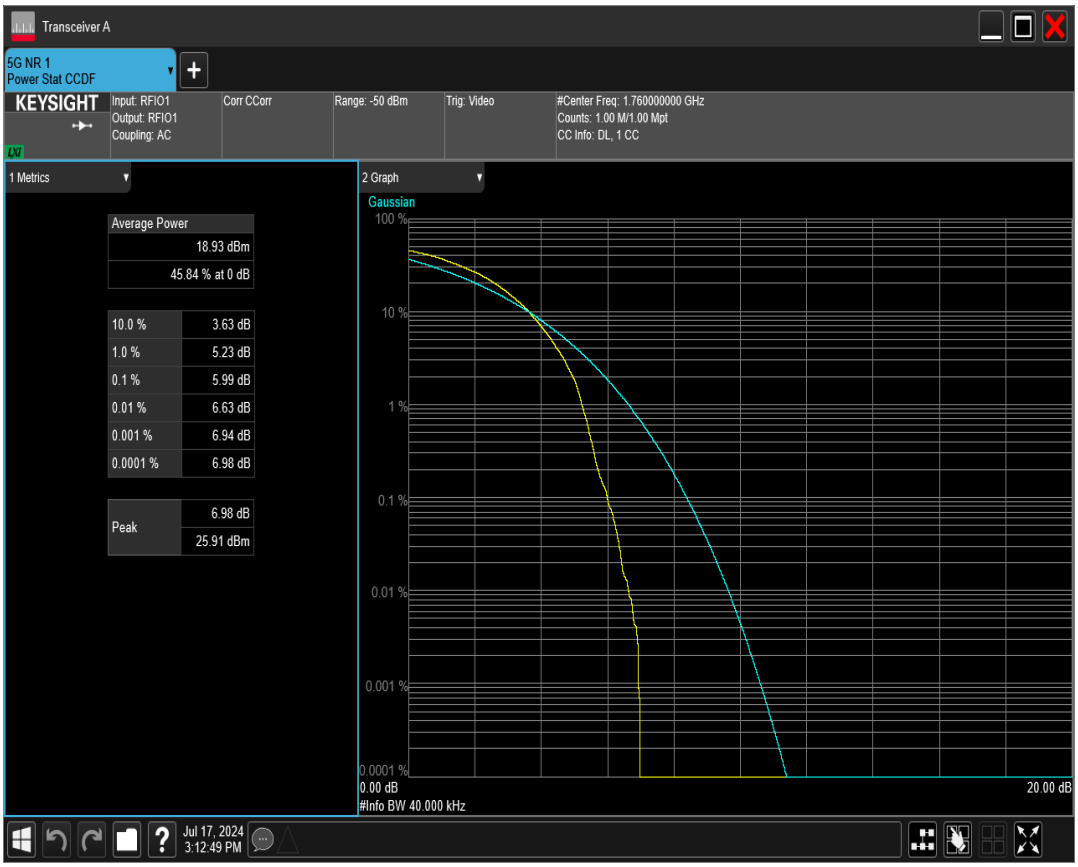

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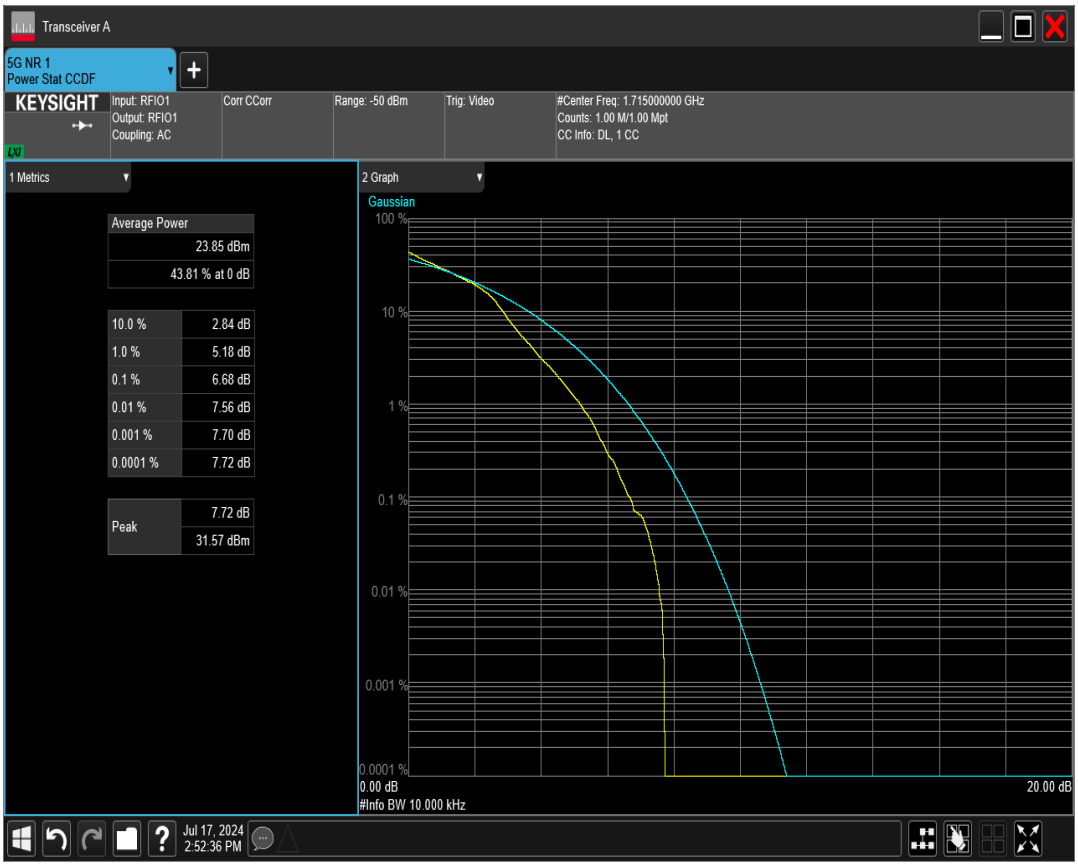
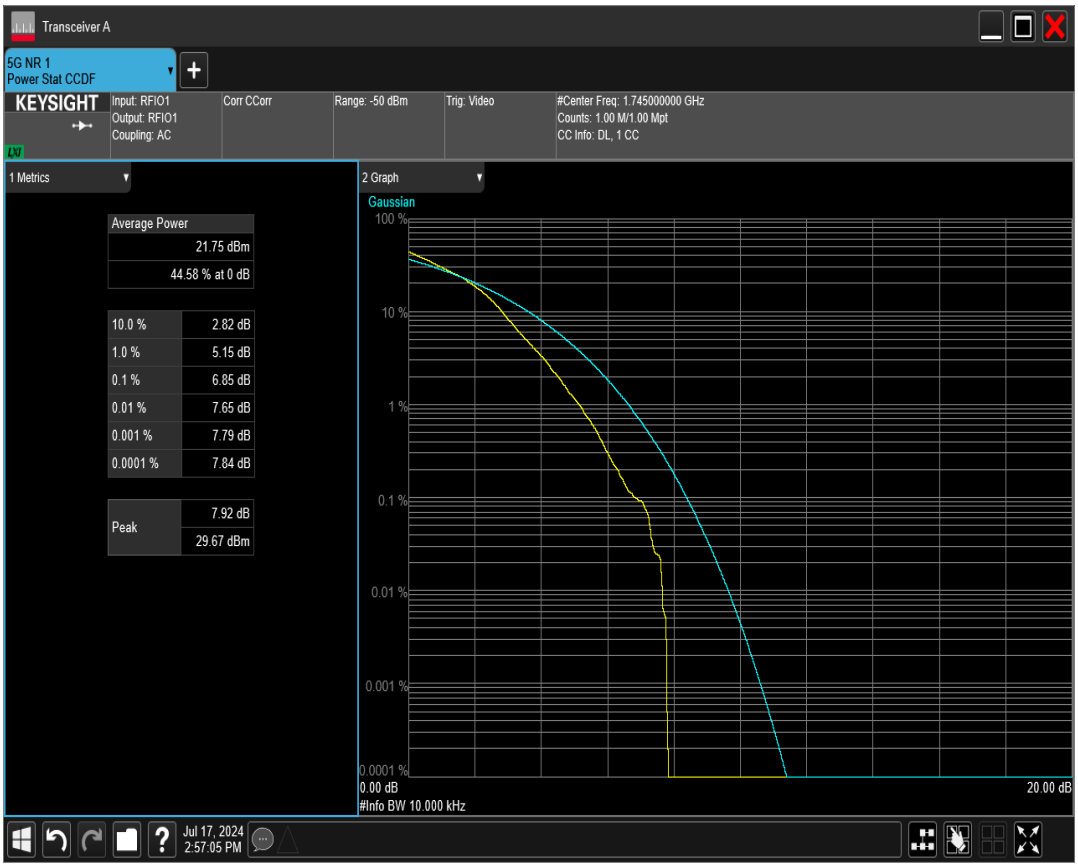
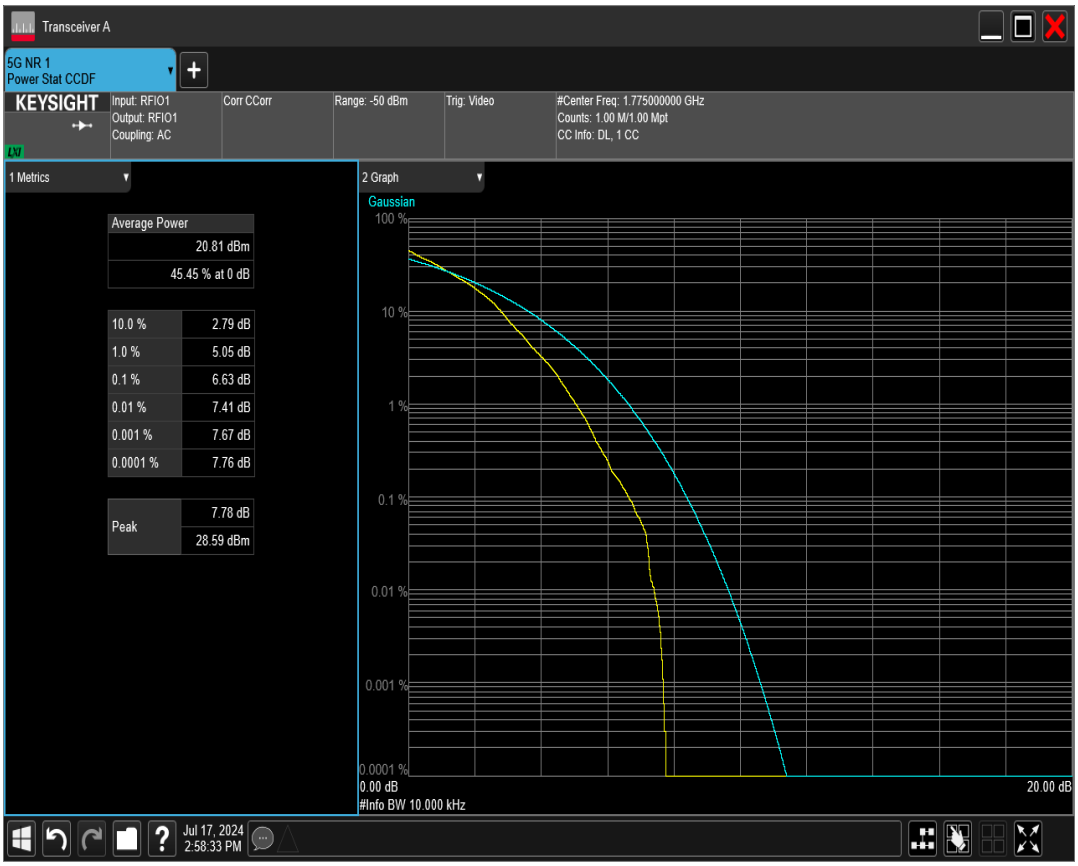


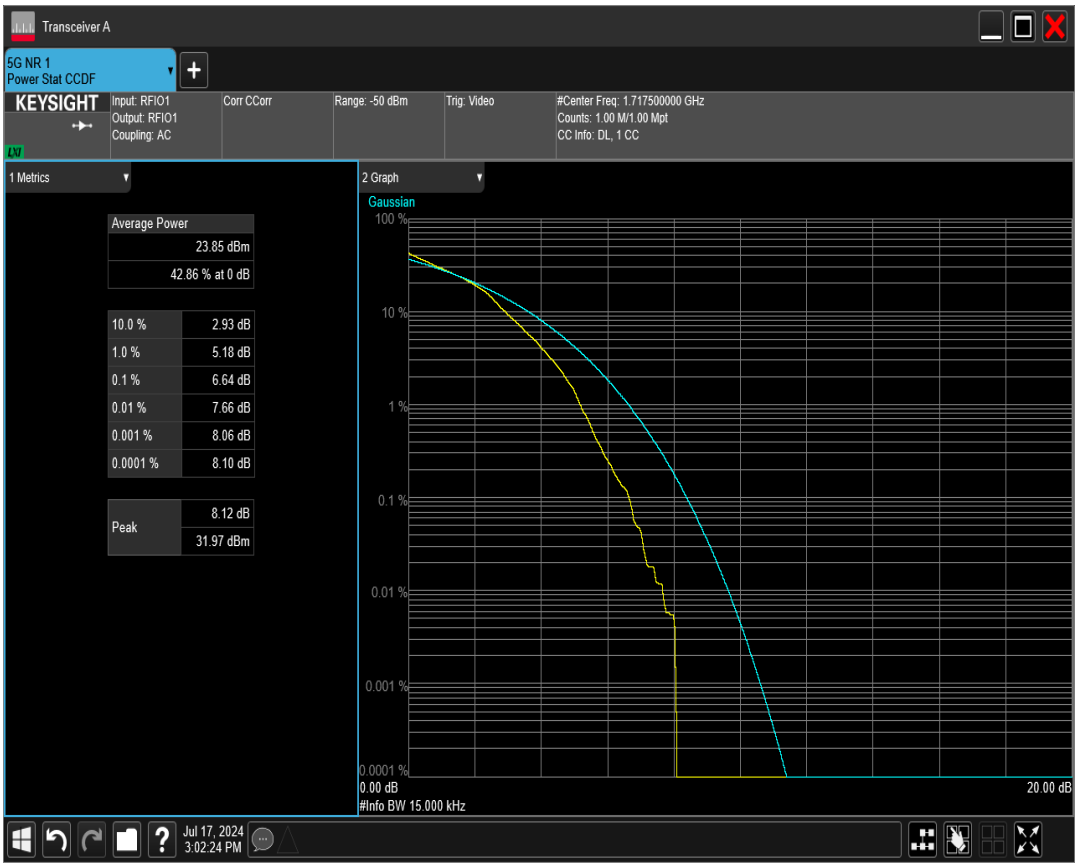
n66 SCS=30kHz DFT_QAM16 BW=10MHz Channel=349000 RB=24@0



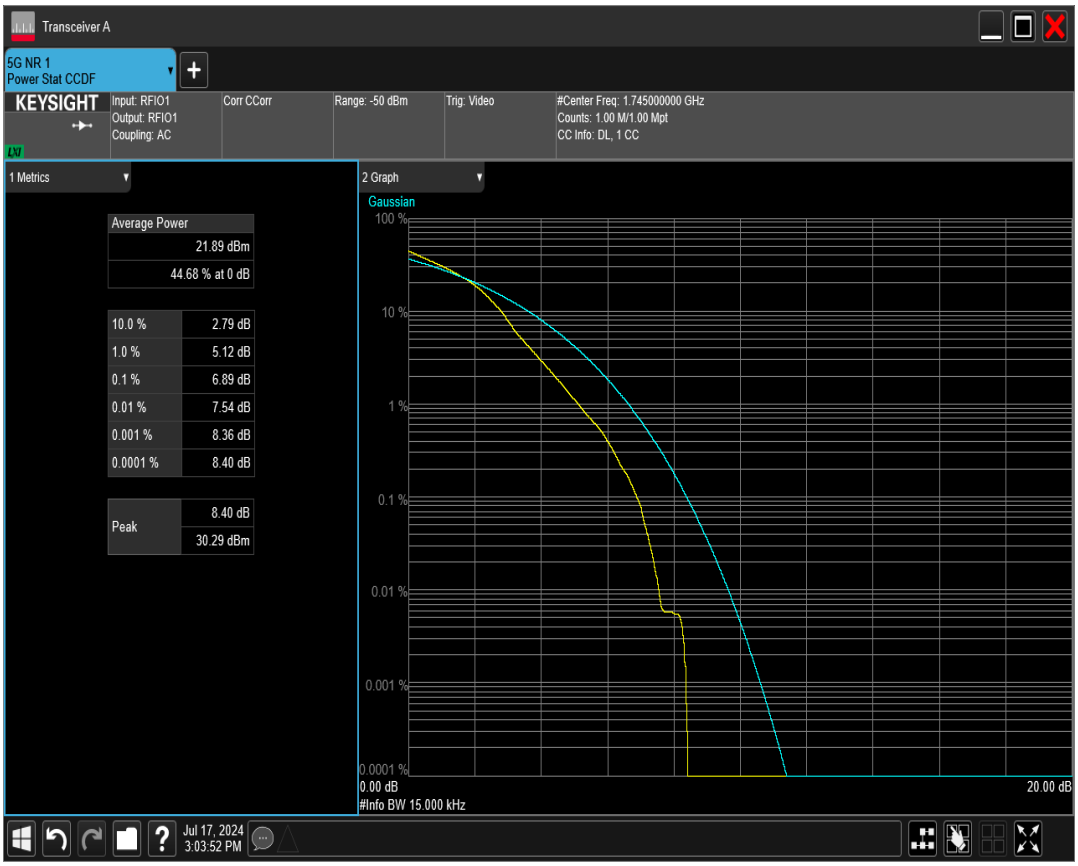
n66 SCS=30kHz DFT_QAM16 BW=10MHz Channel=355000 RB=24@0



n66 SCS=30kHz DFT_QAM16 BW=15MHz Channel=343500 RB=36@0



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



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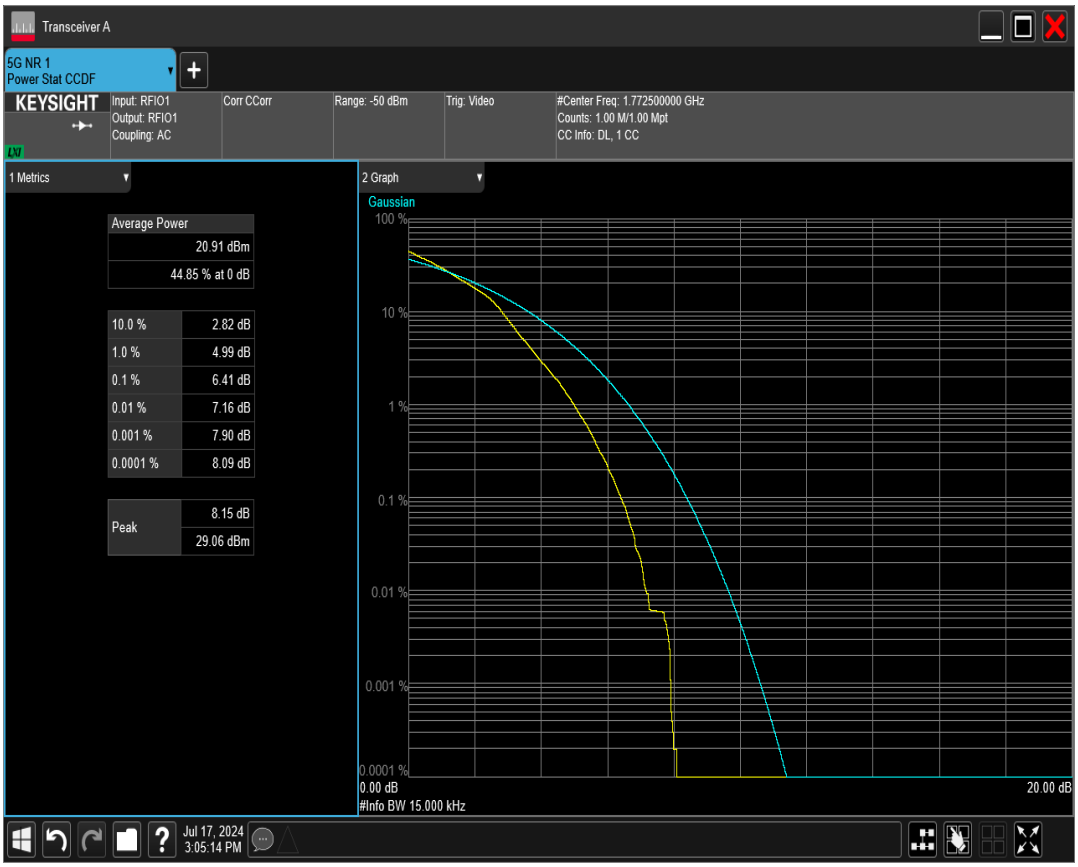

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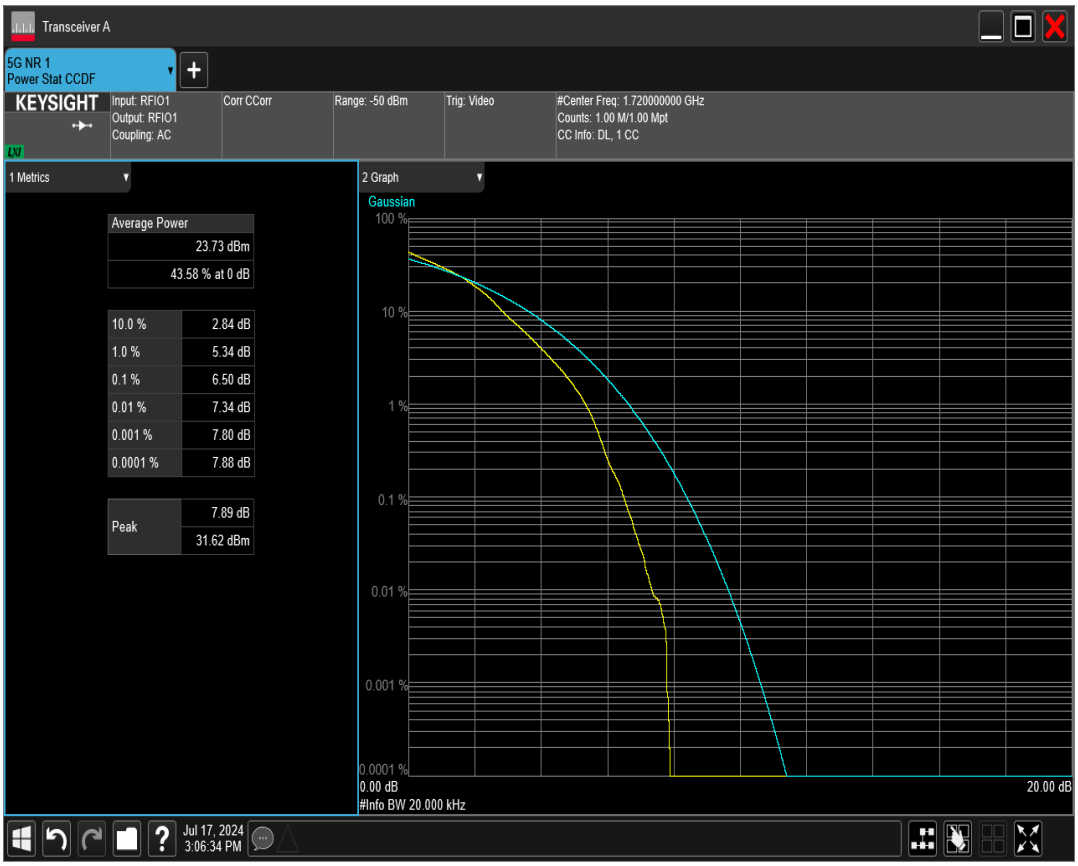

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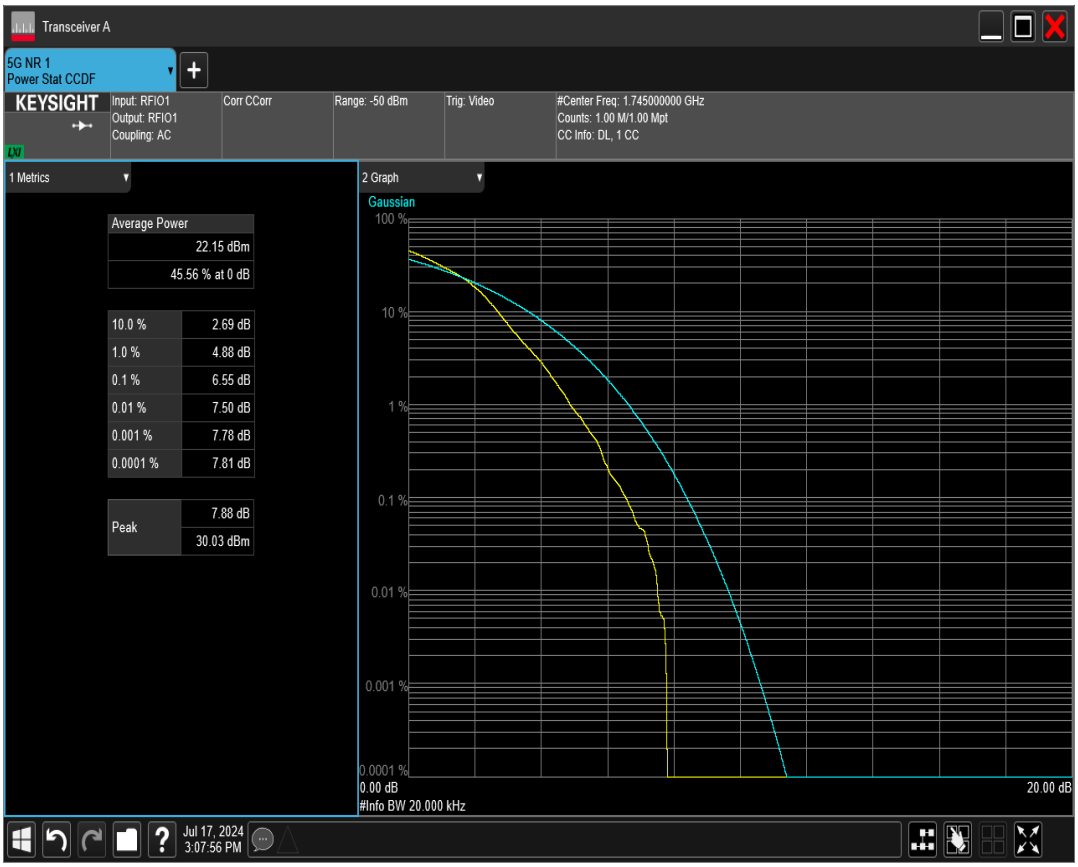

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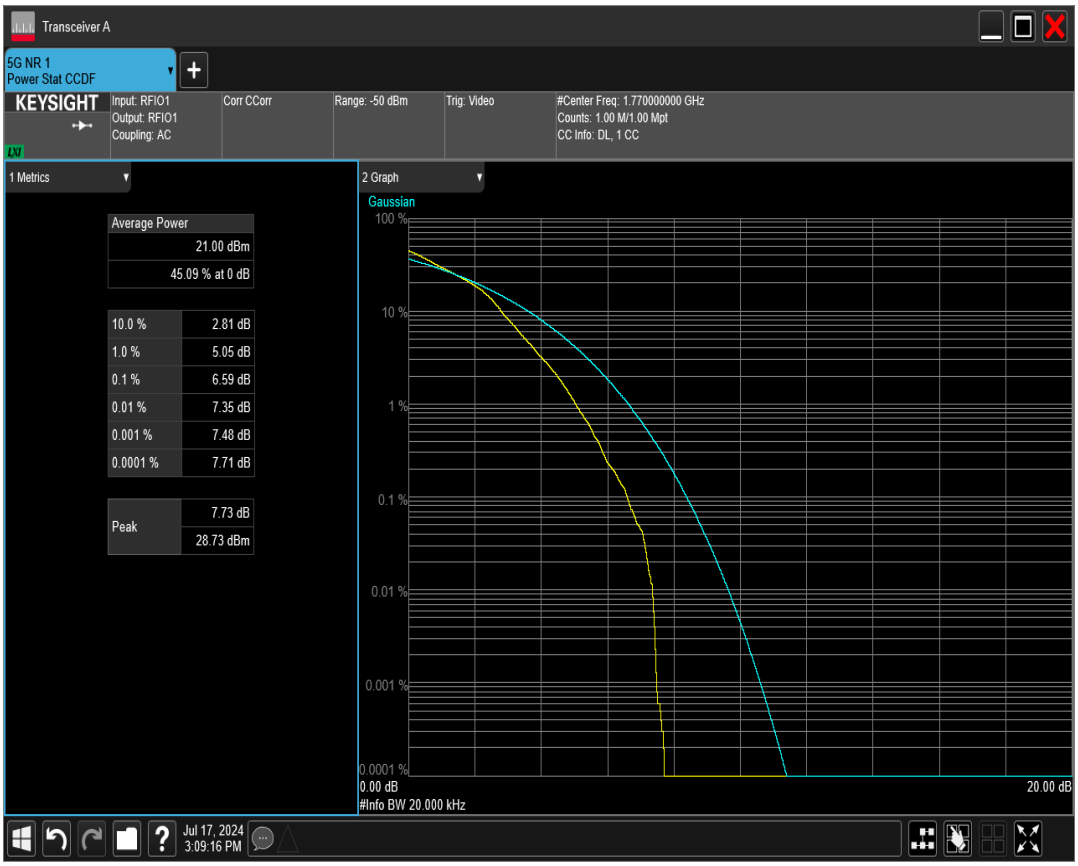
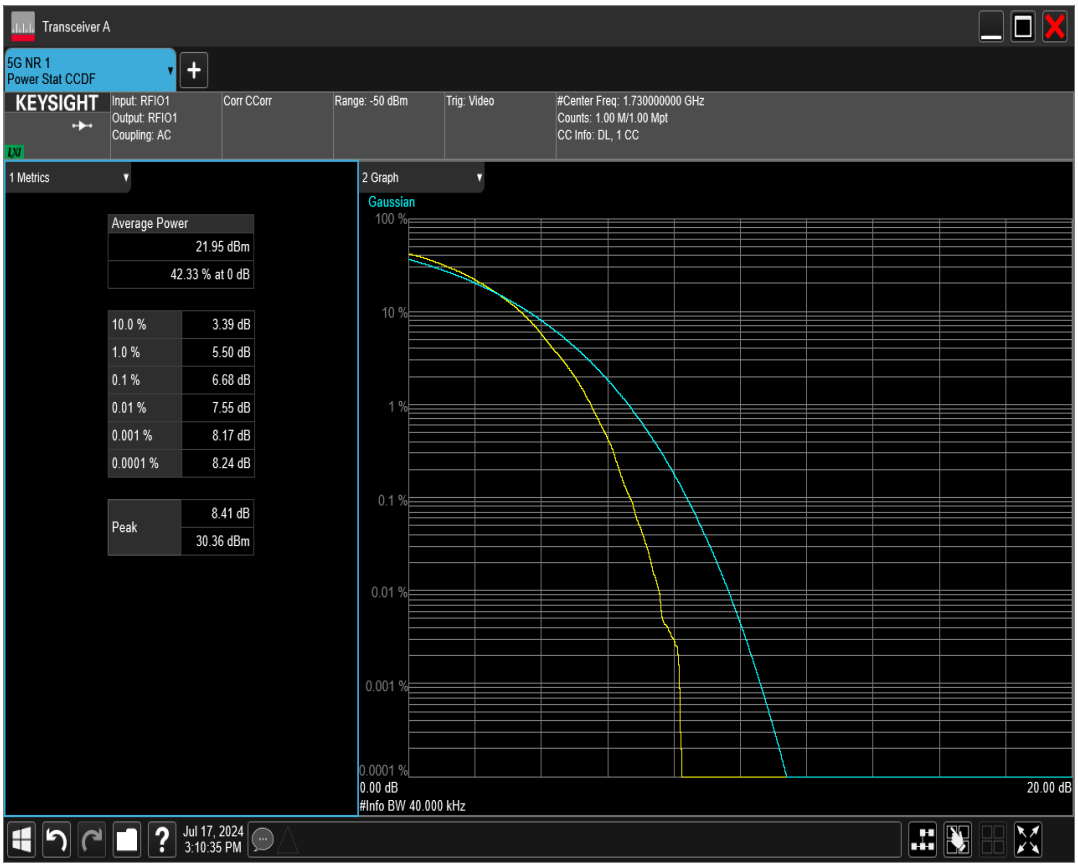


n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=346000 RB=100@0



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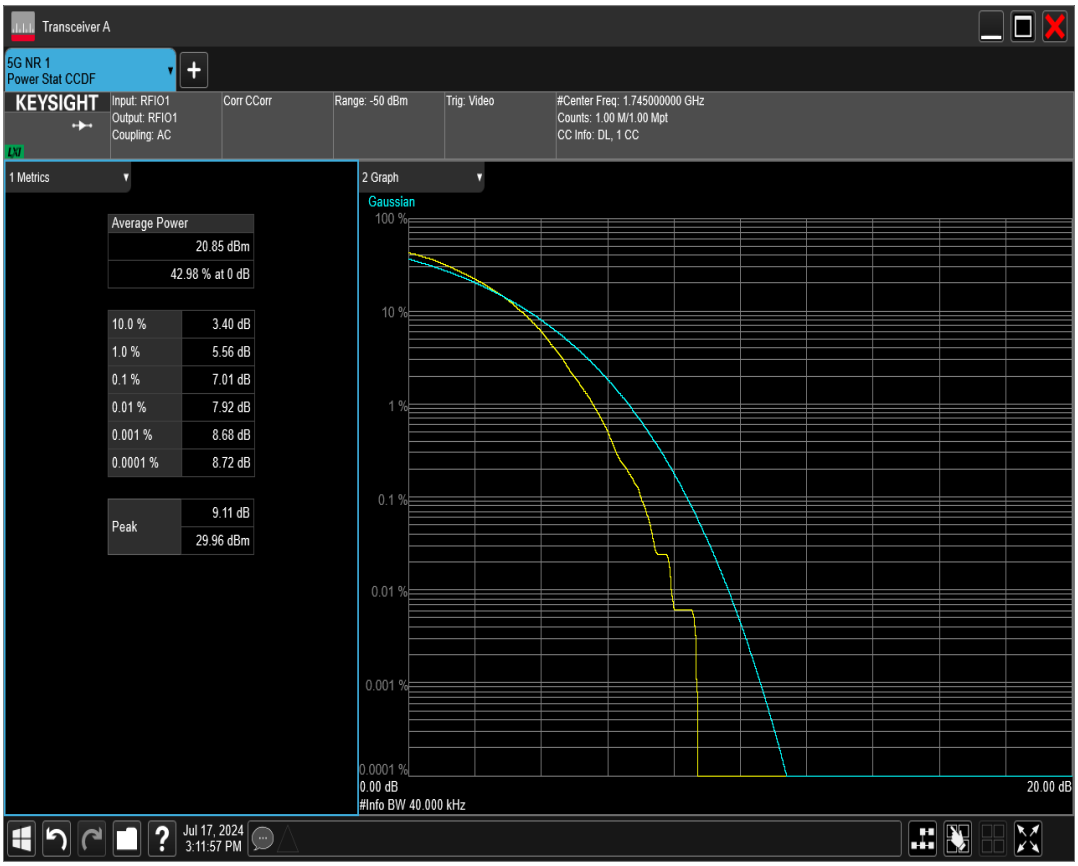
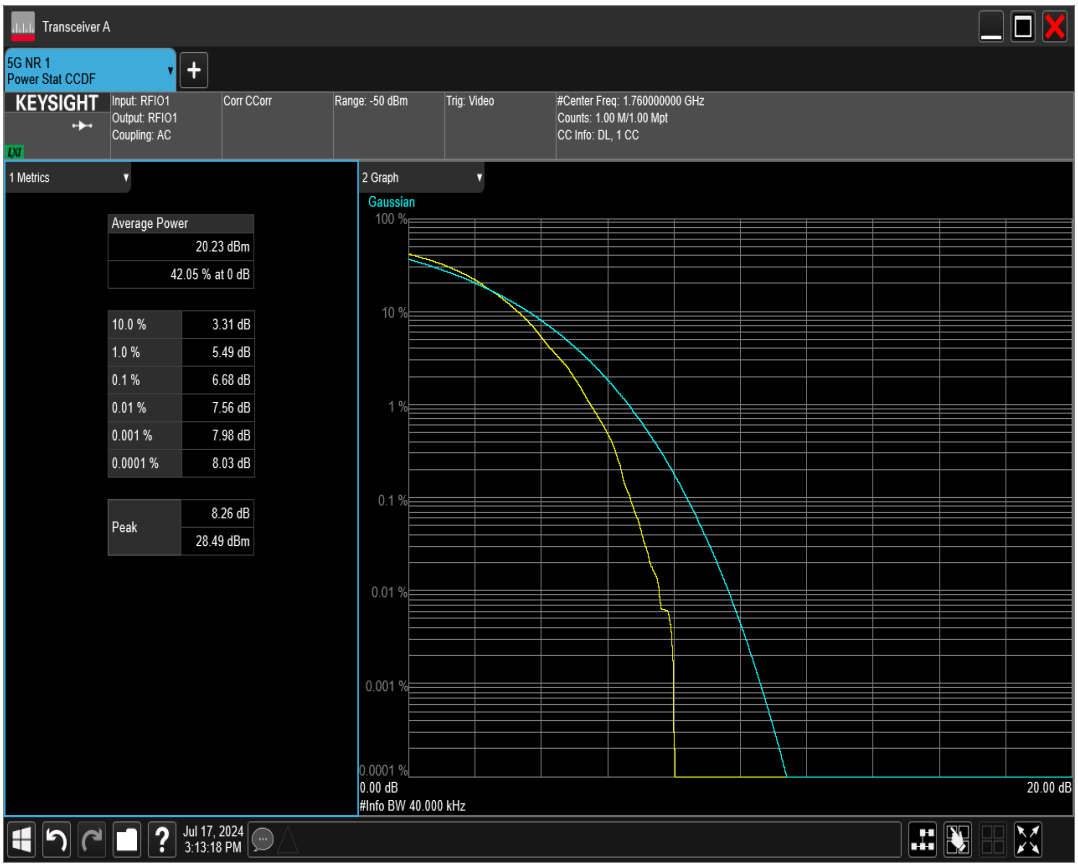


n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=352000 RB=100@0



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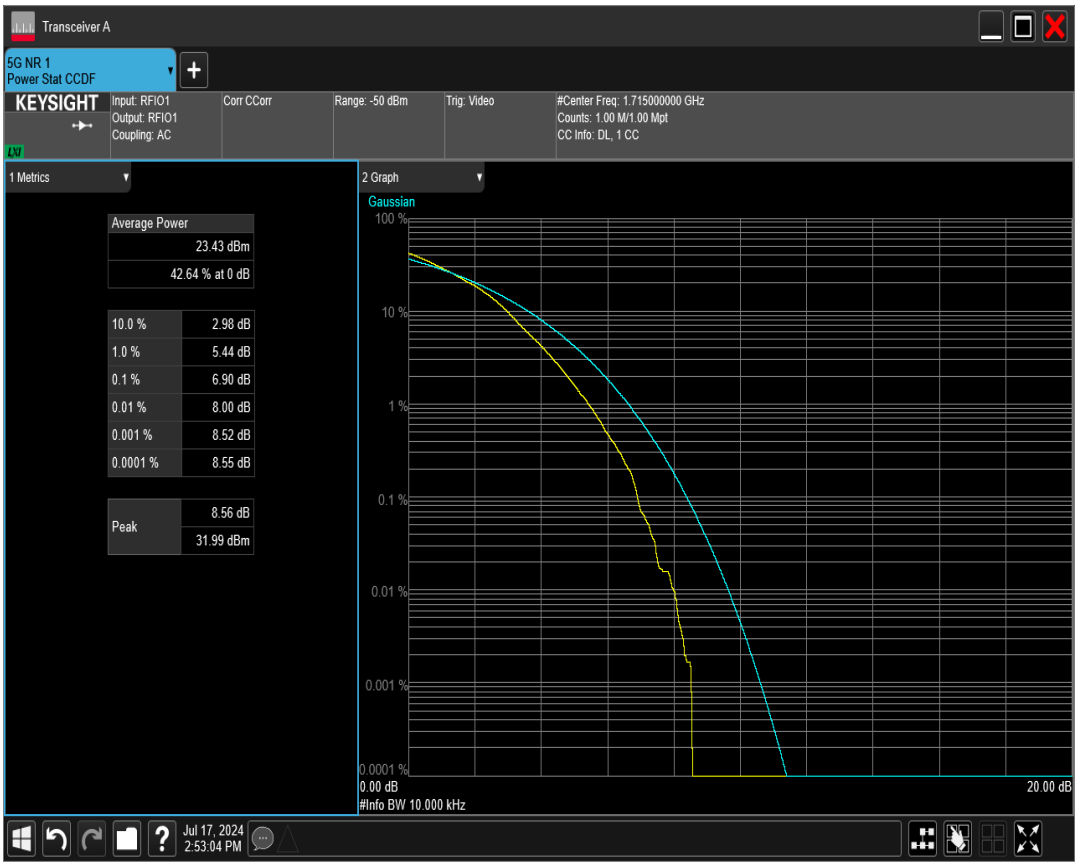
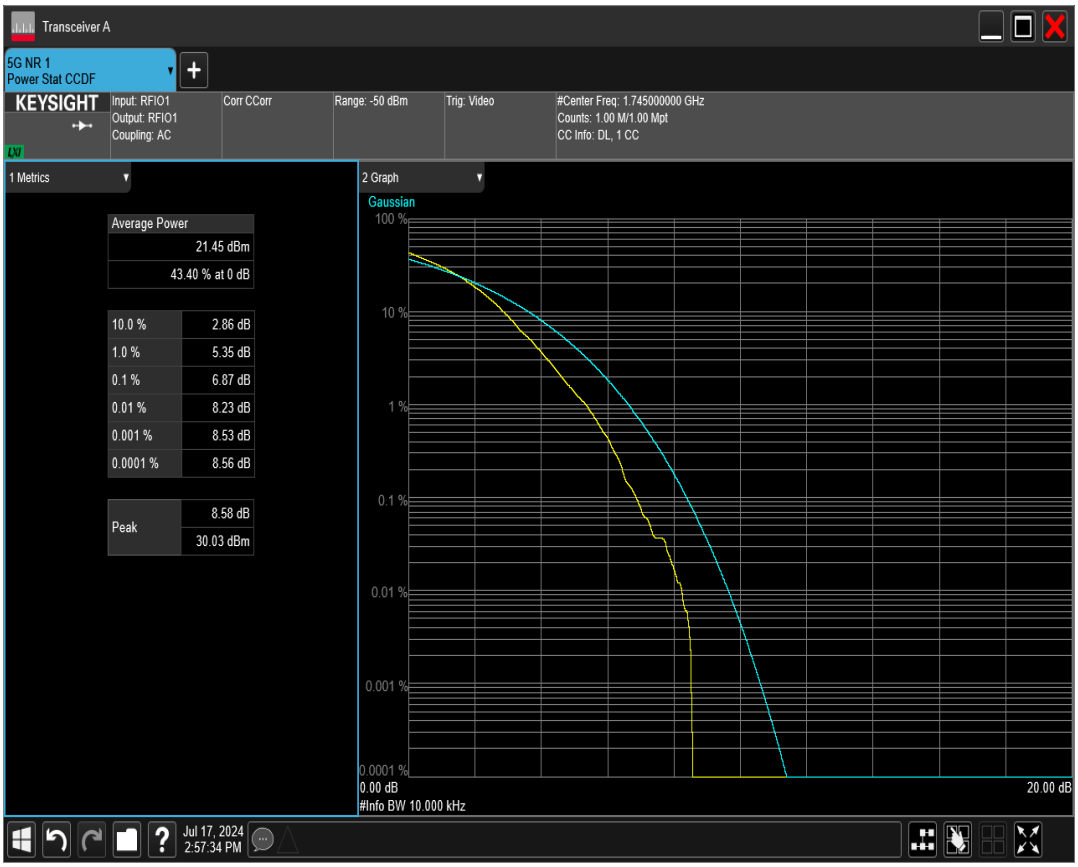


n66 SCS=30kHz DFT_QAM256 BW=10MHz Channel=349000 RB=24@0



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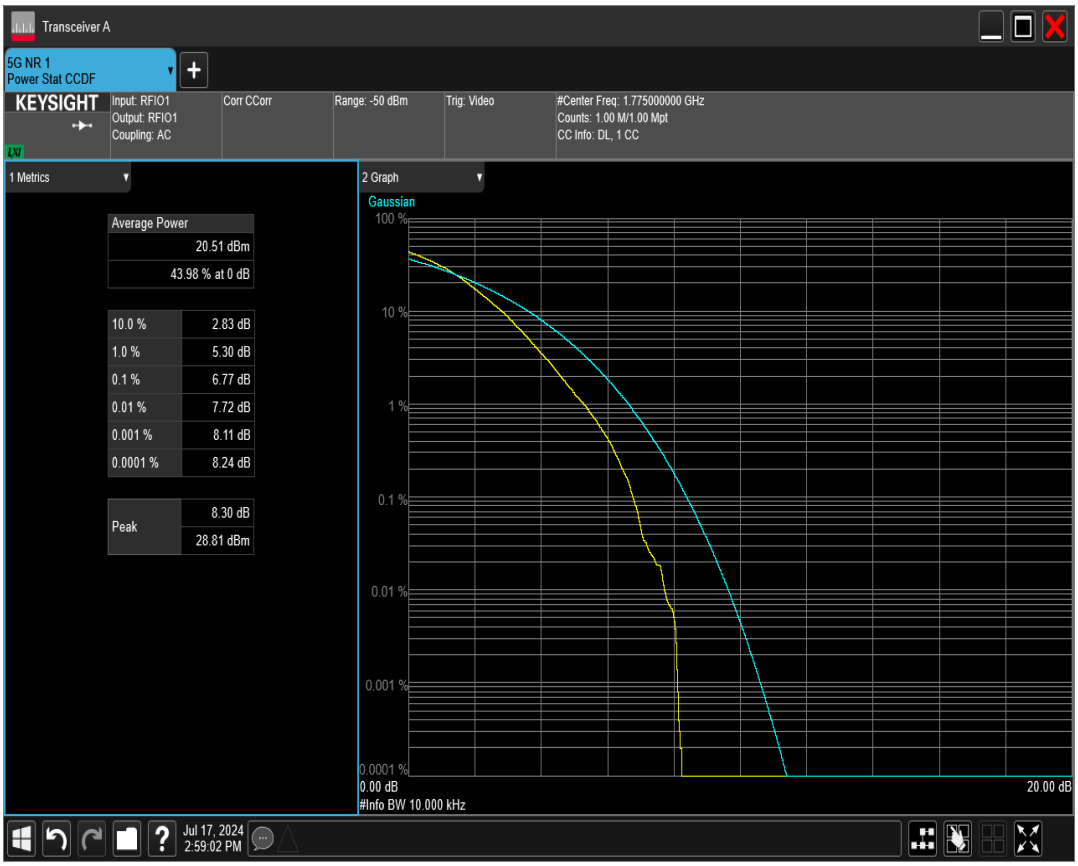

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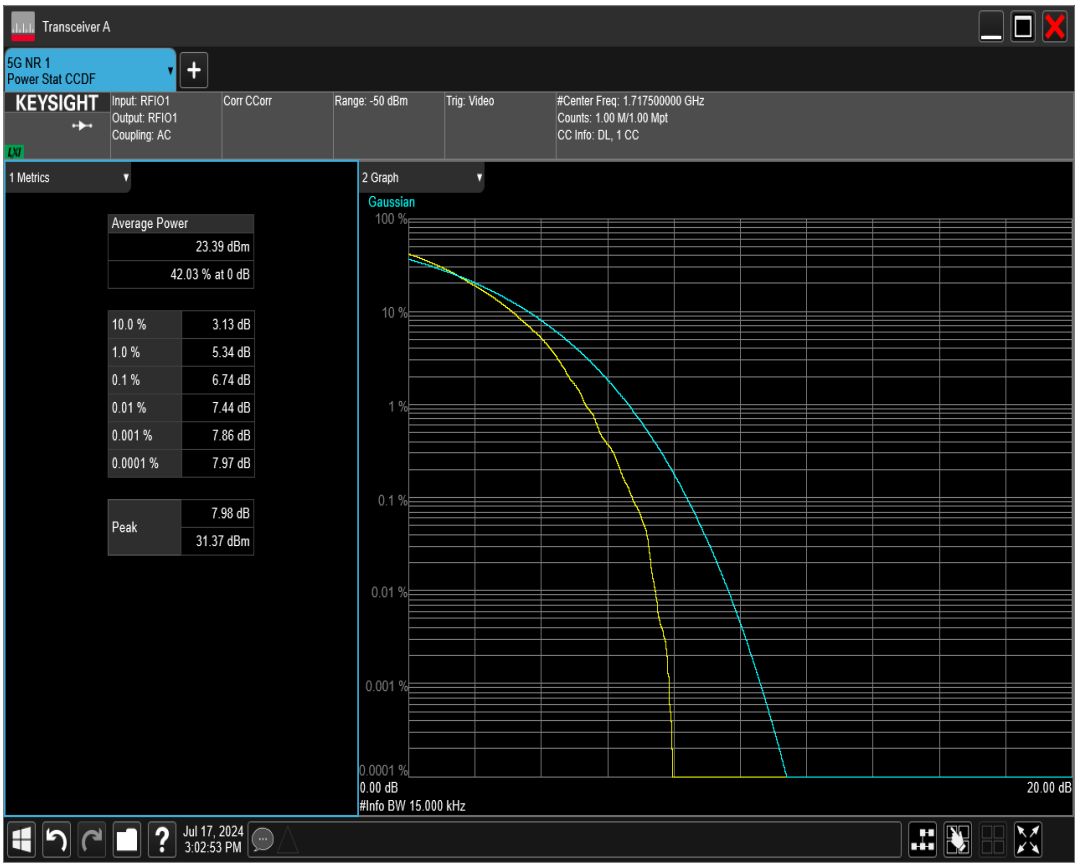

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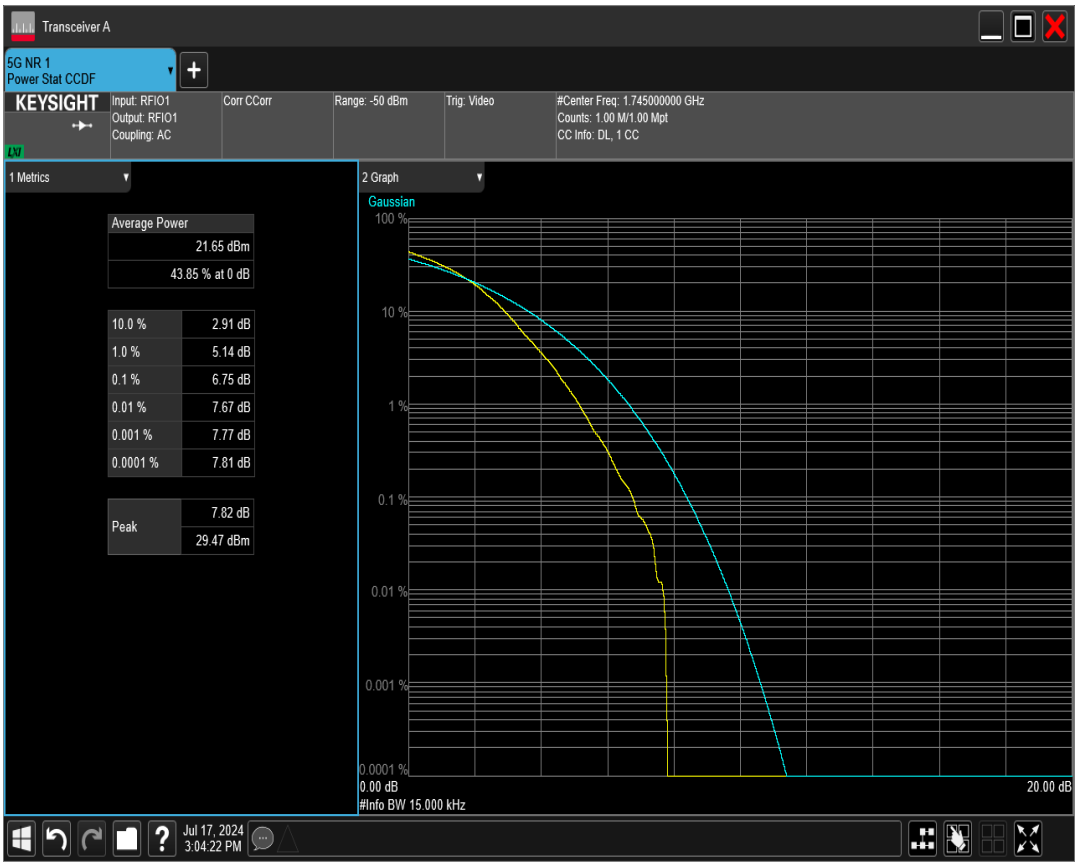

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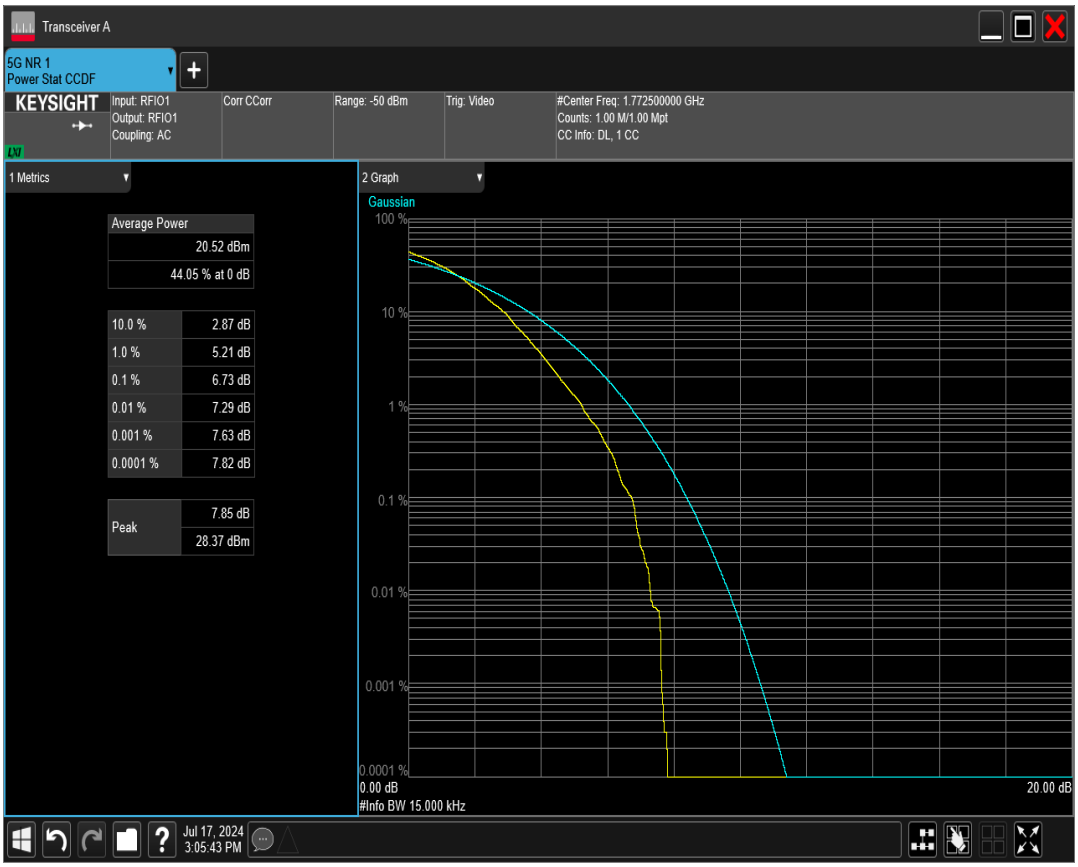
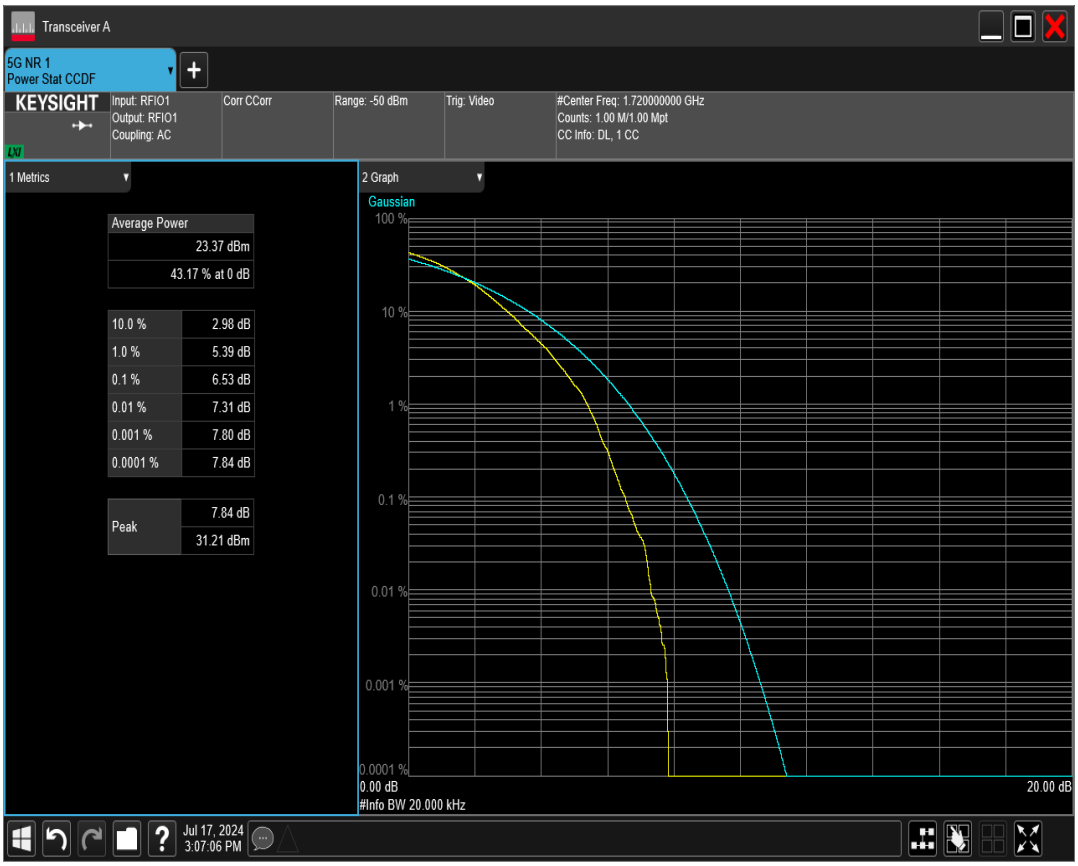
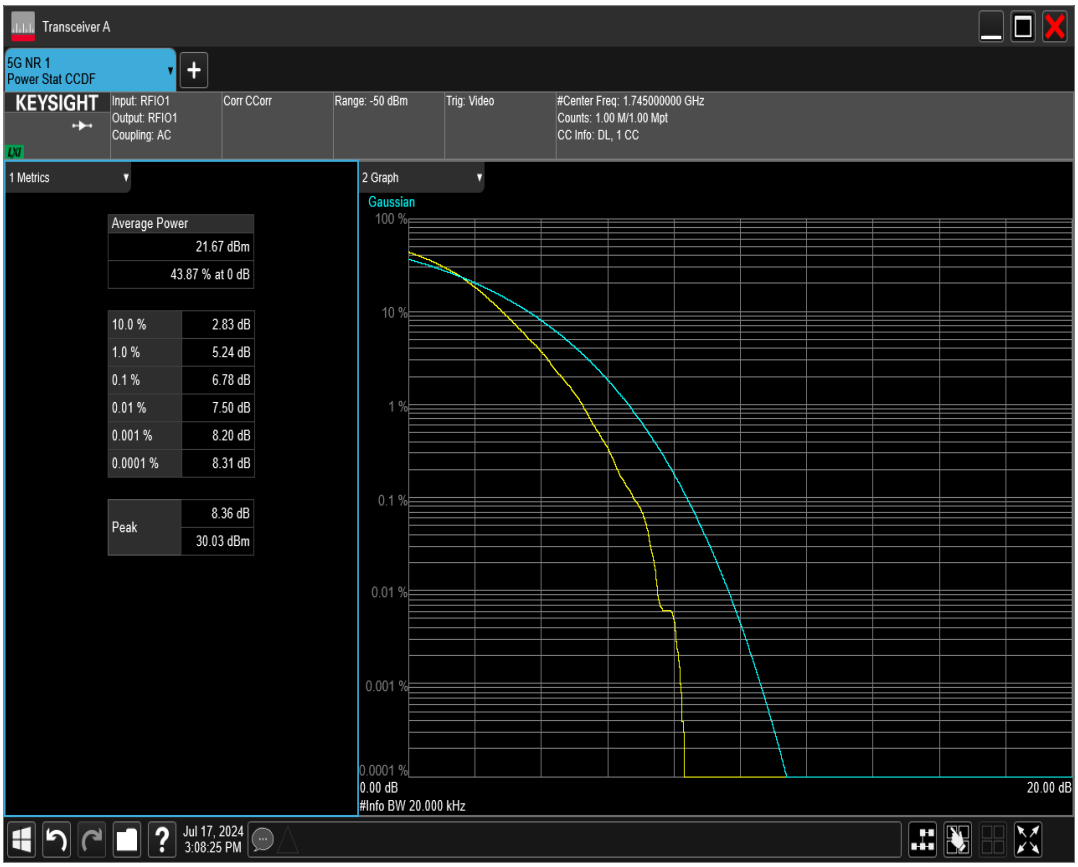


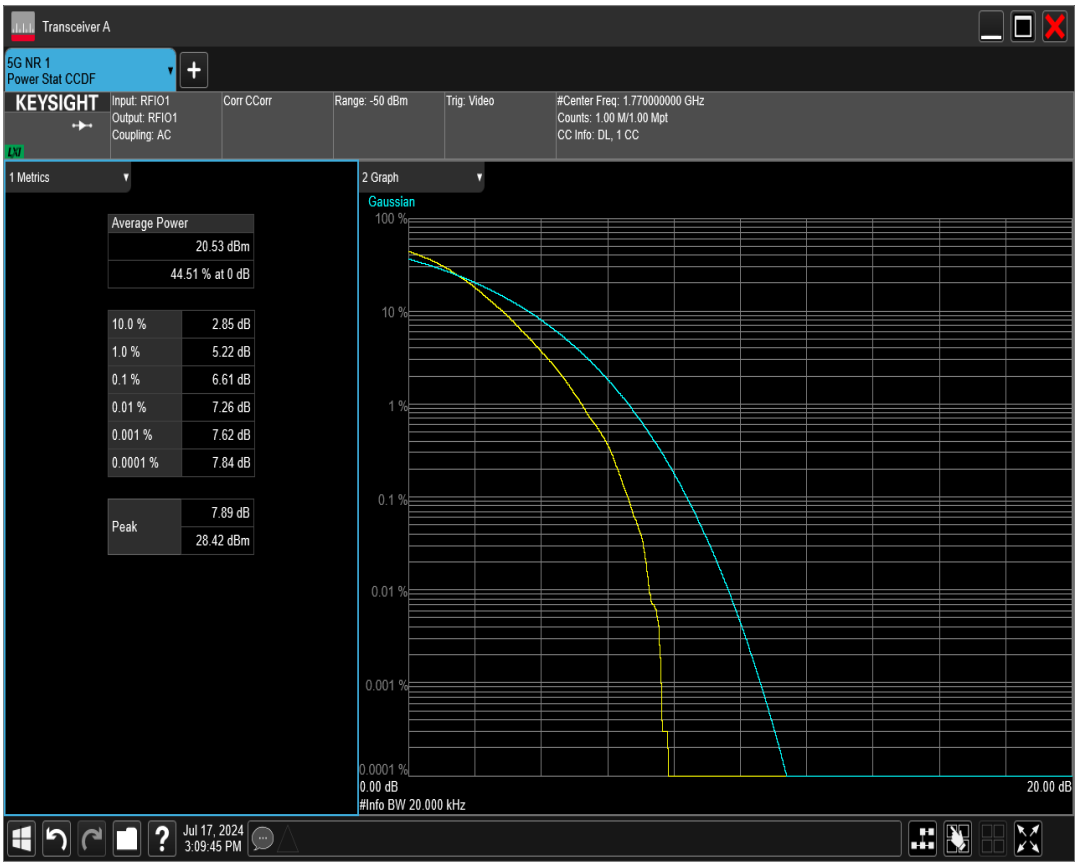
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=344000 RB=50@0



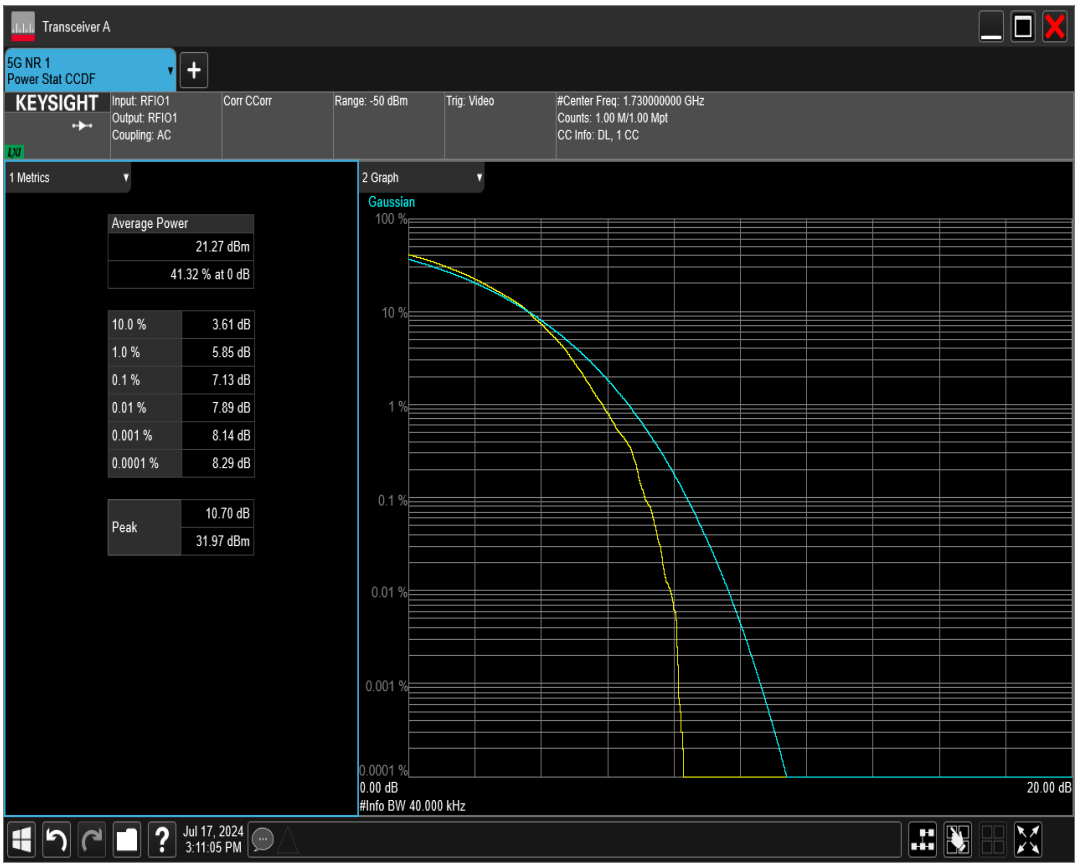
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=349000 RB=50@0



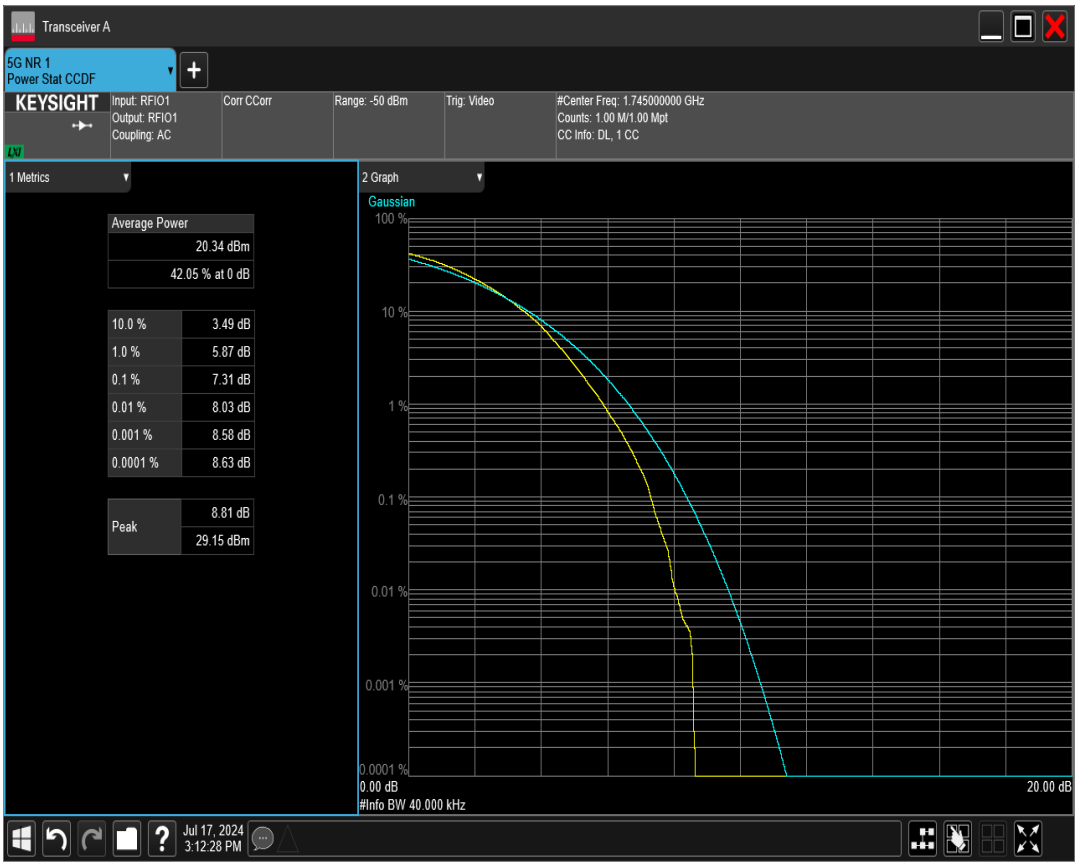
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=354000 RB=50@0



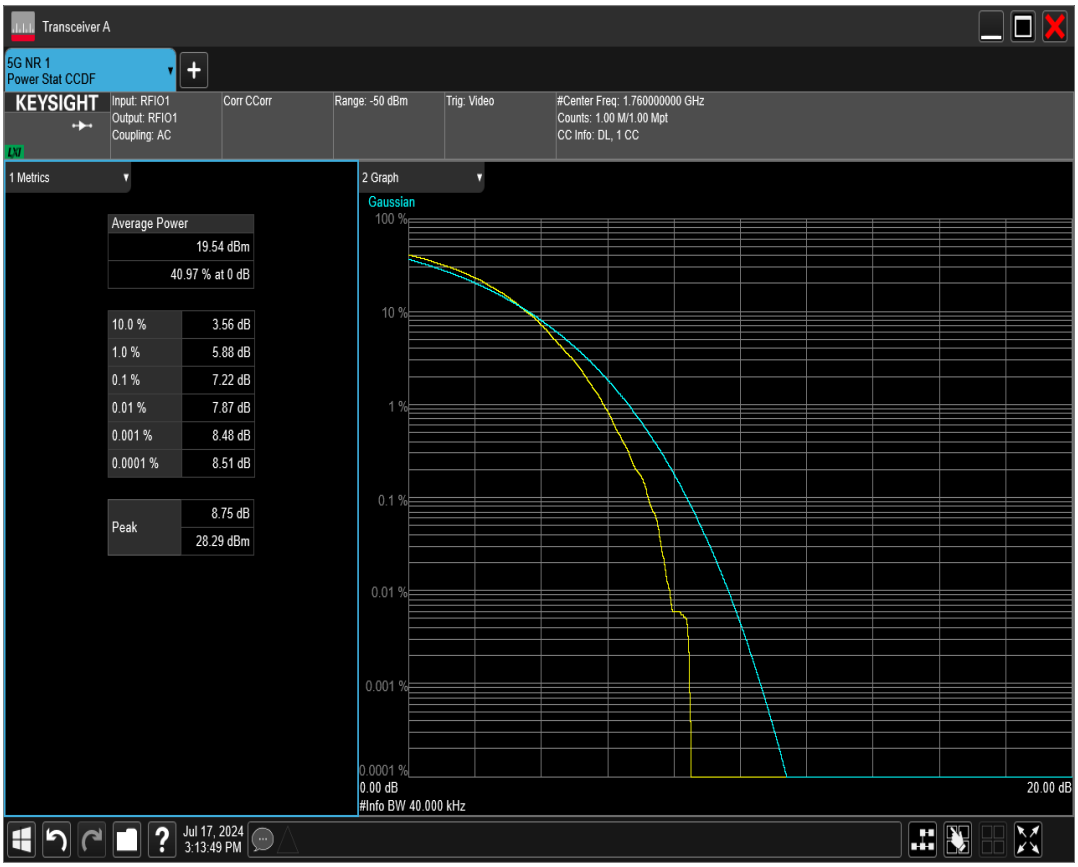
n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=346000 RB=100@0



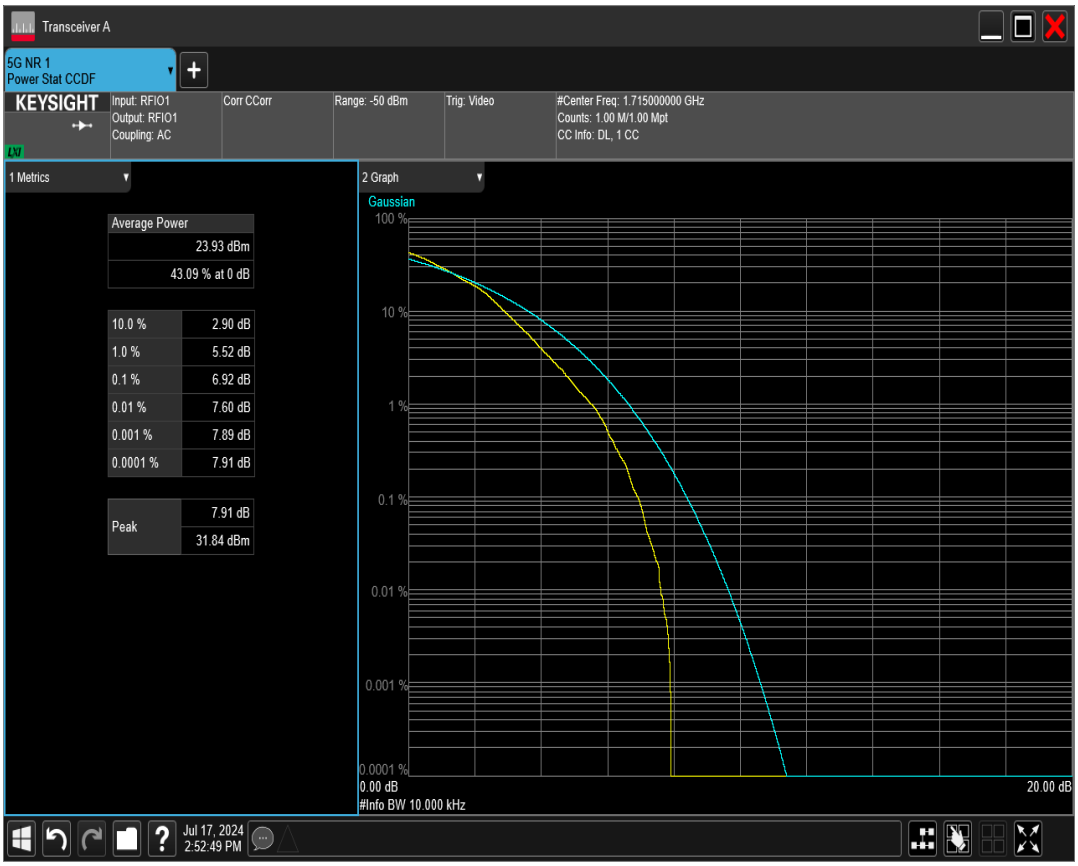
n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=349000 RB=100@0



n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=352000 RB=100@0



n66 SCS=30kHz DFT_QAM64 BW=10MHz Channel=343000 RB=24@0



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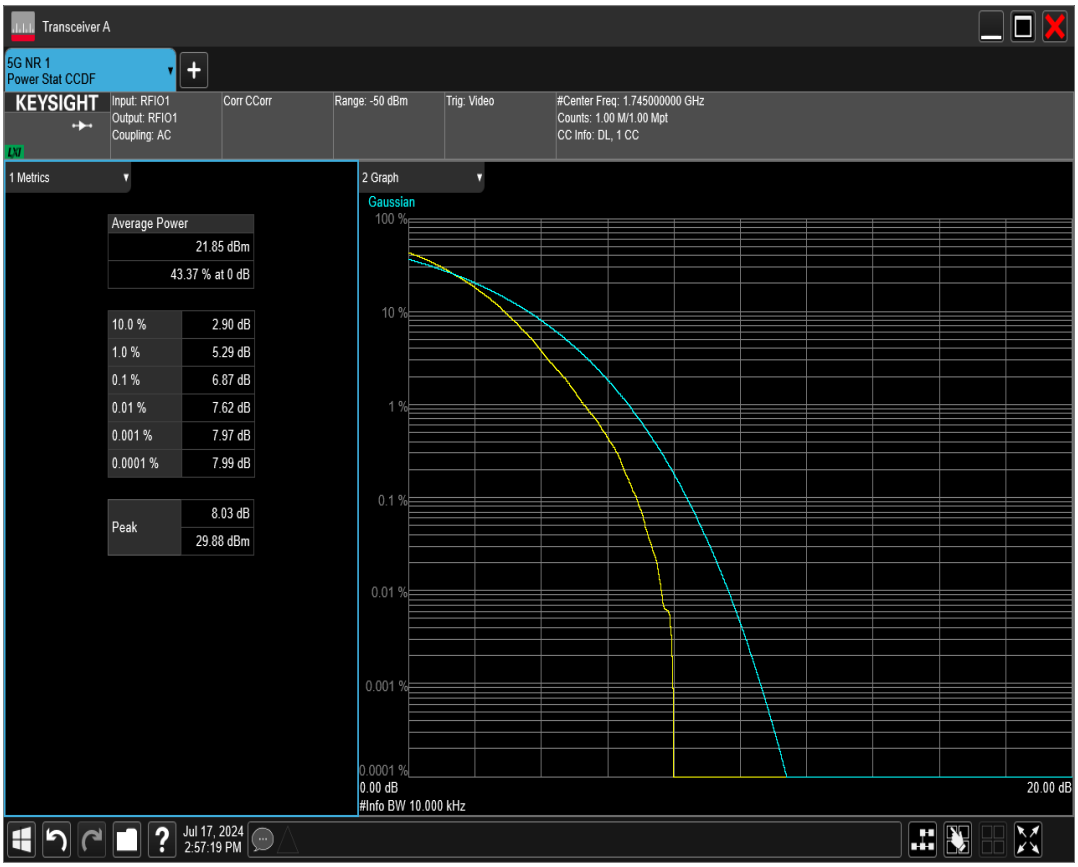
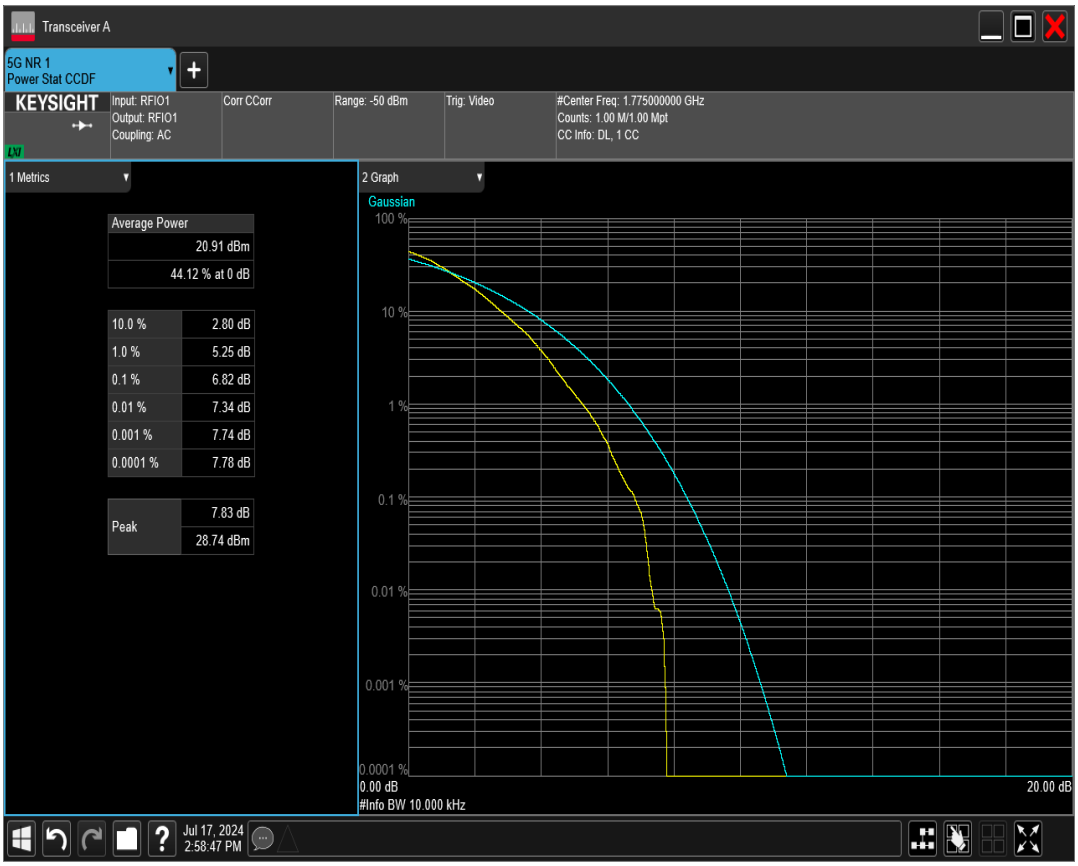
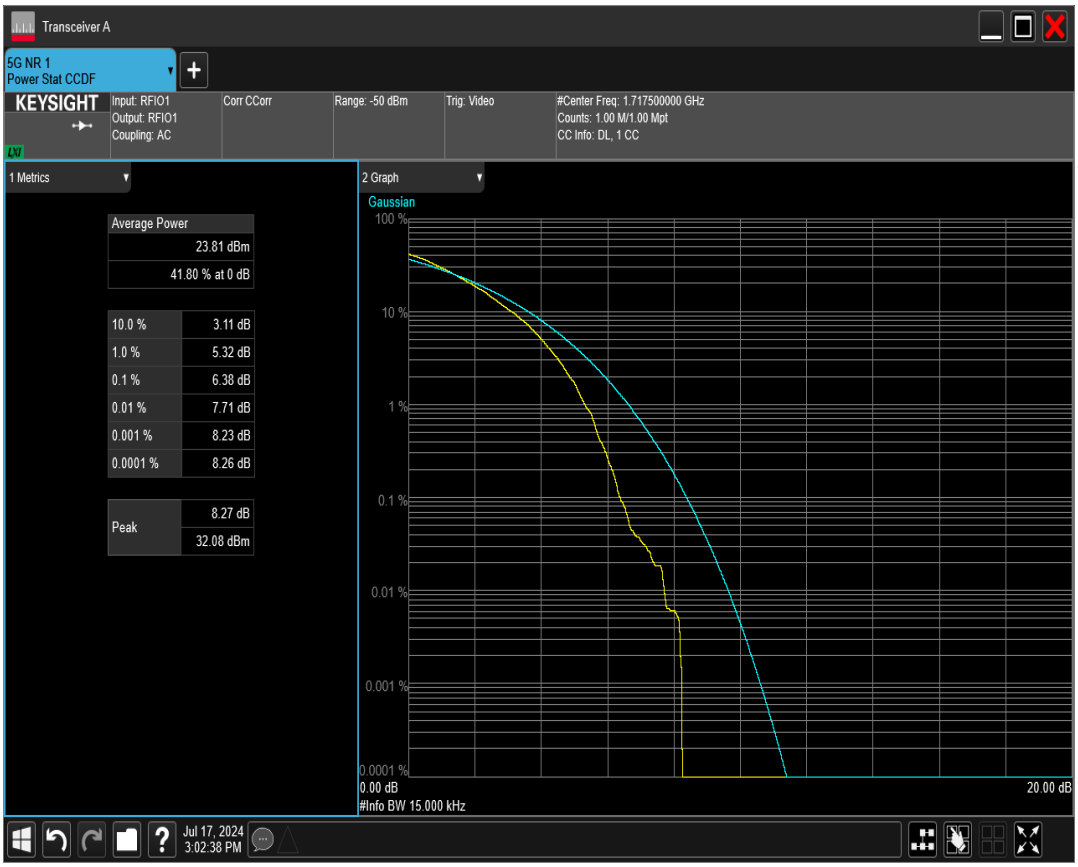


n66 SCS=30kHz DFT_QAM64 BW=10MHz Channel=355000 RB=24@0



n66 SCS=30kHz DFT_QAM64 BW=15MHz Channel=343500 RB=36@0



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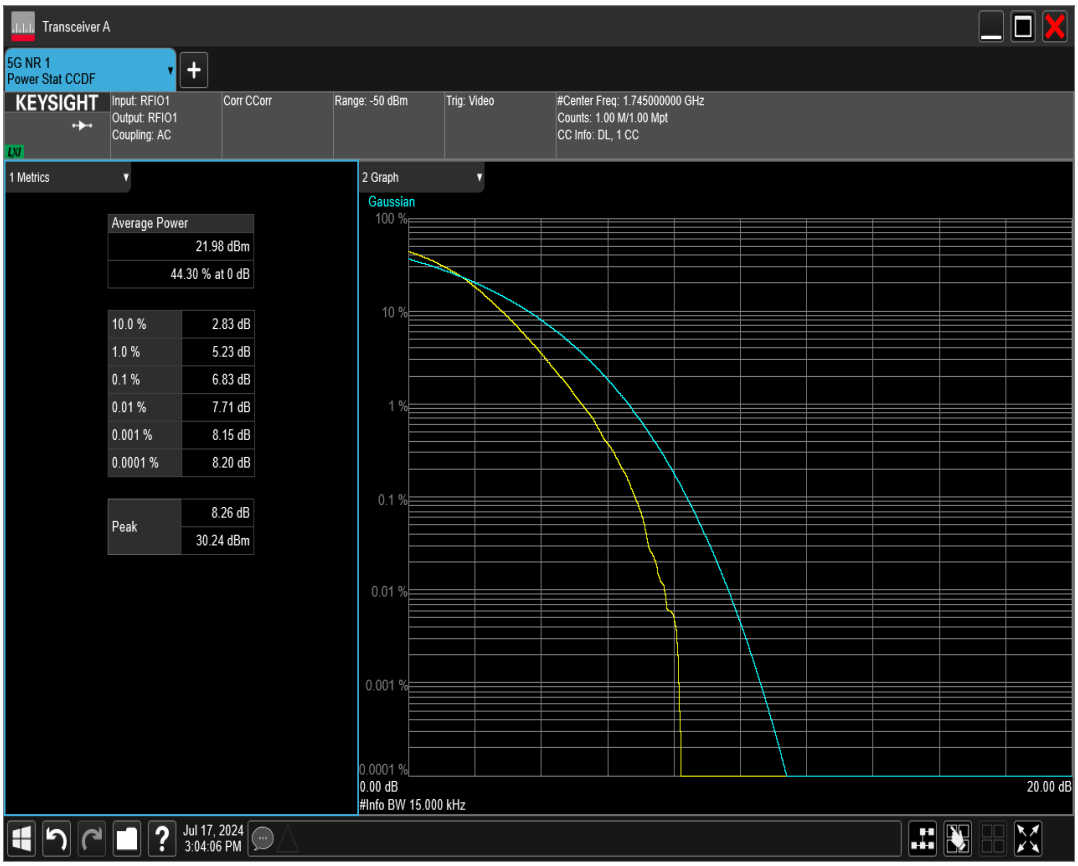

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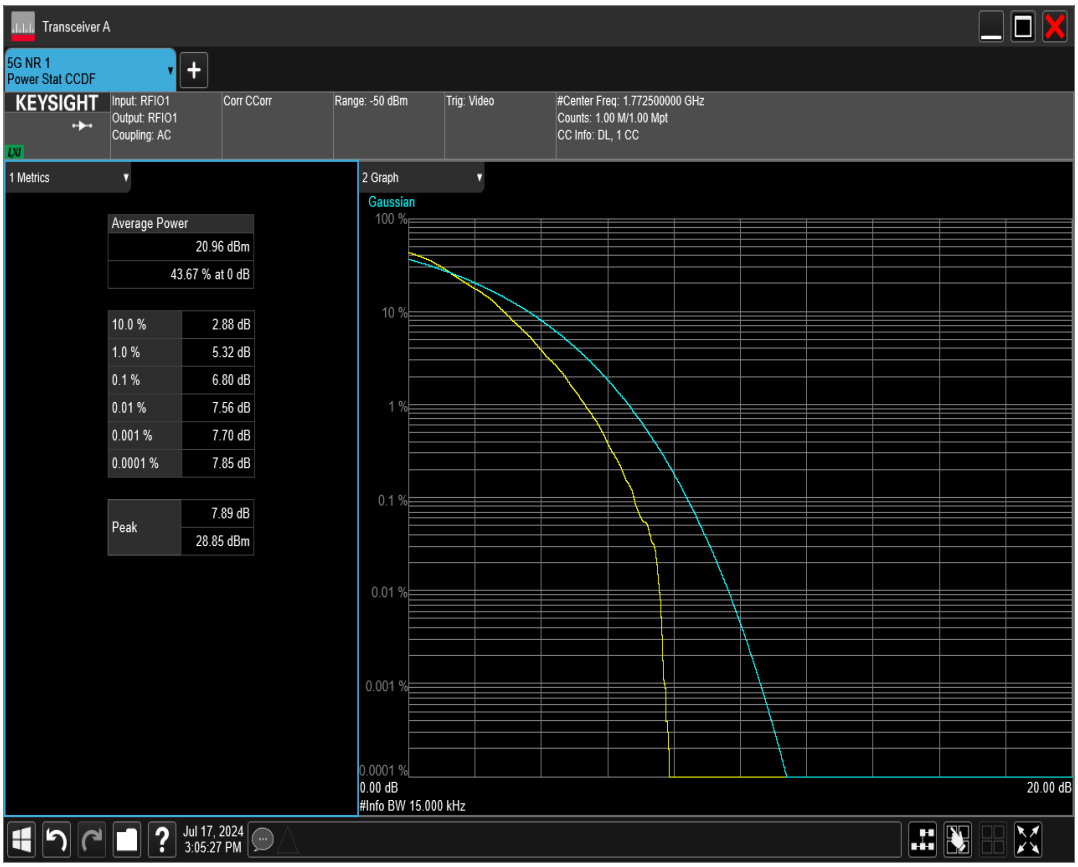
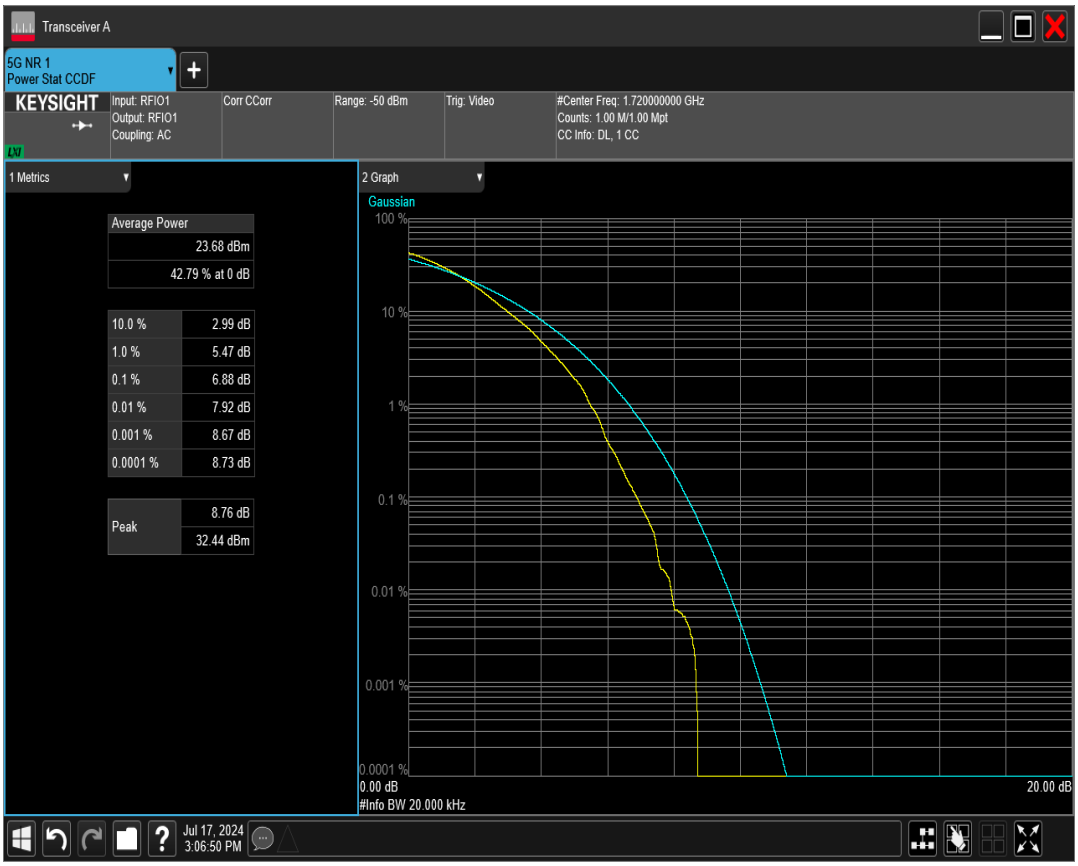


n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=344000 RB=50@0



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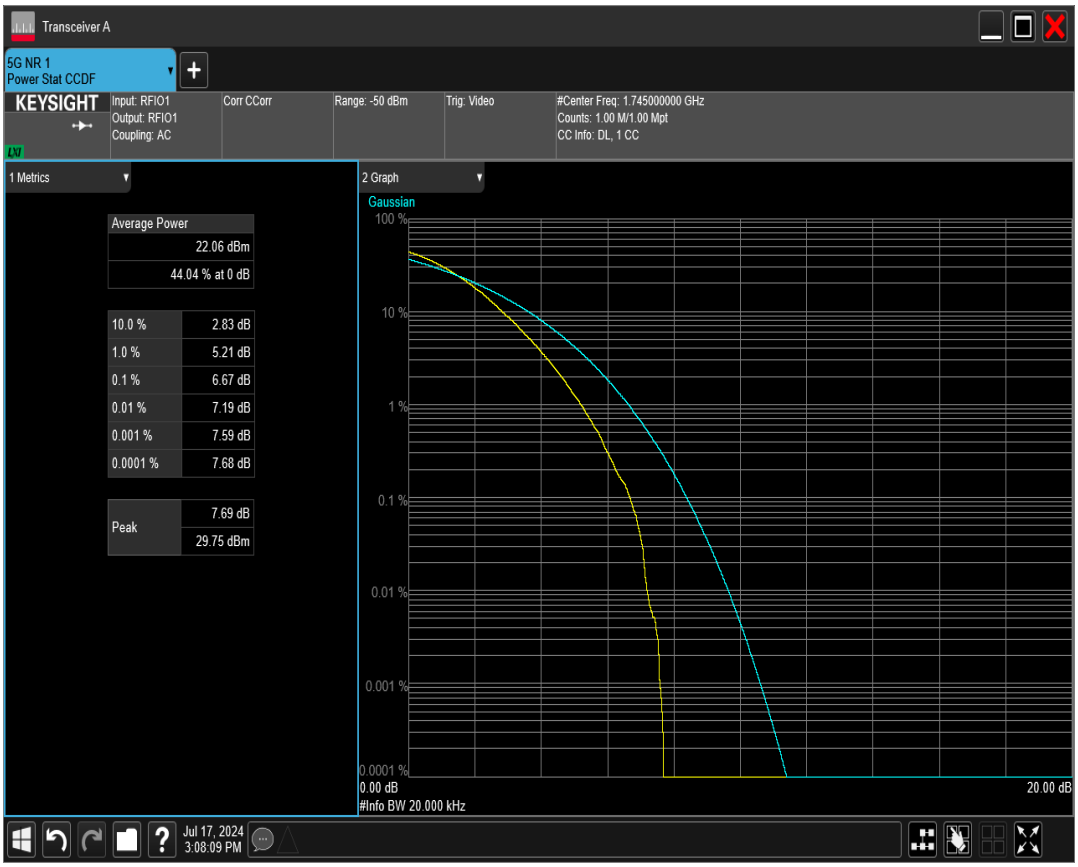
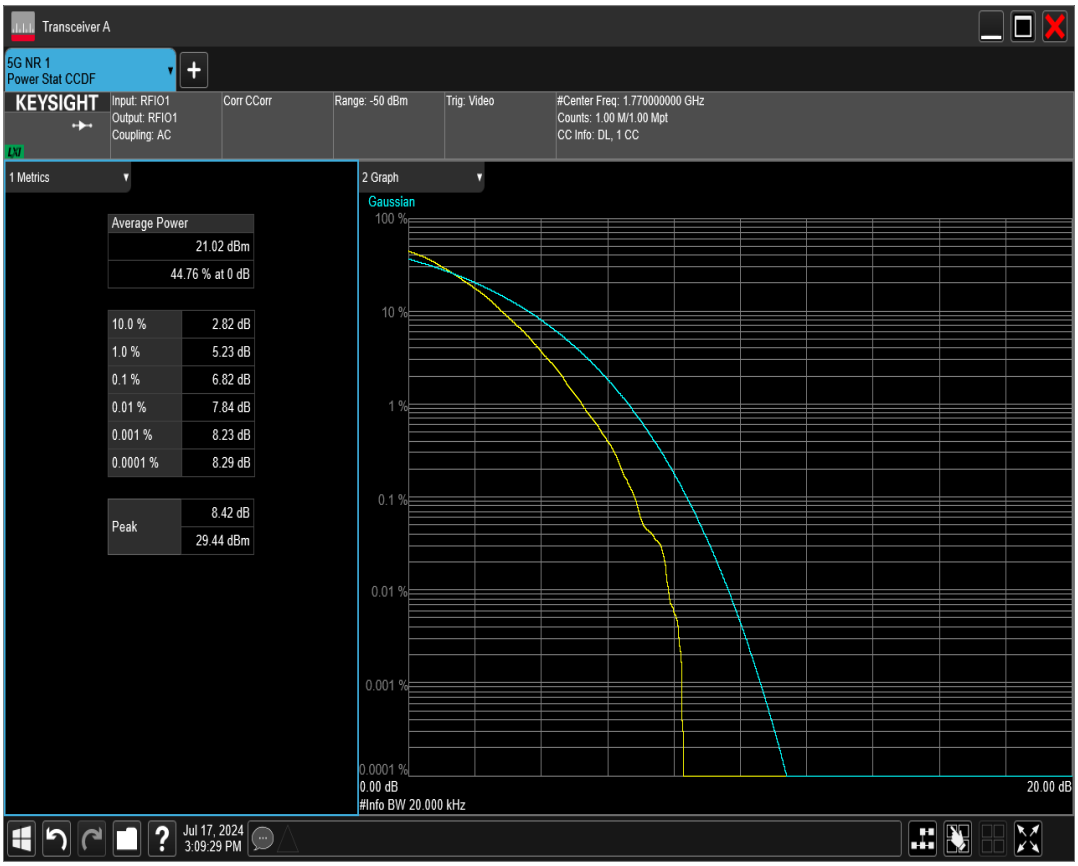
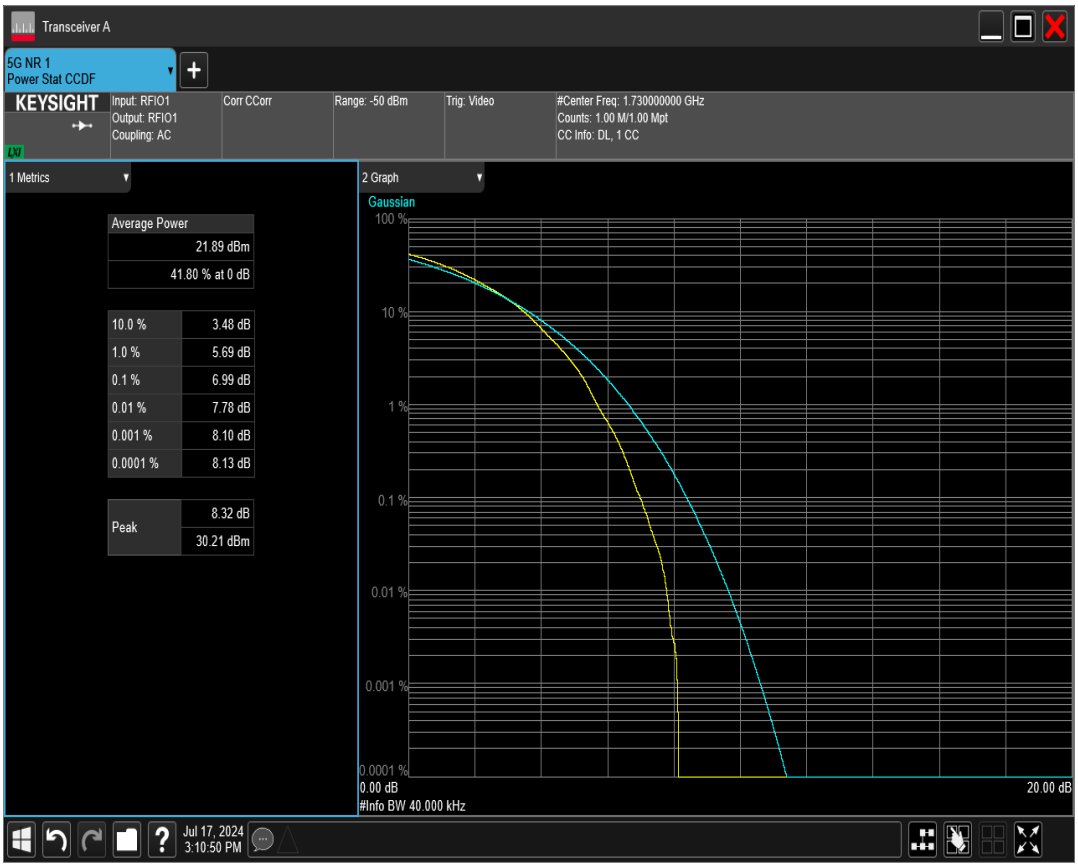


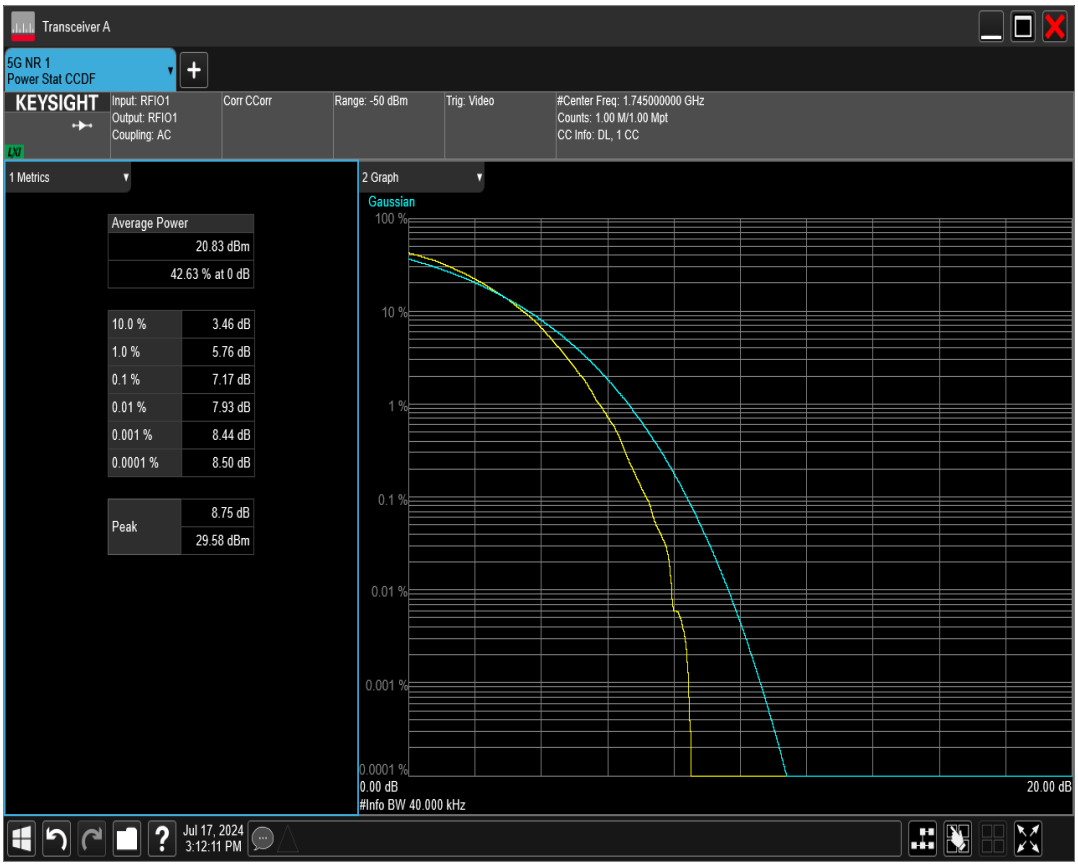
n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=354000 RB=50@0



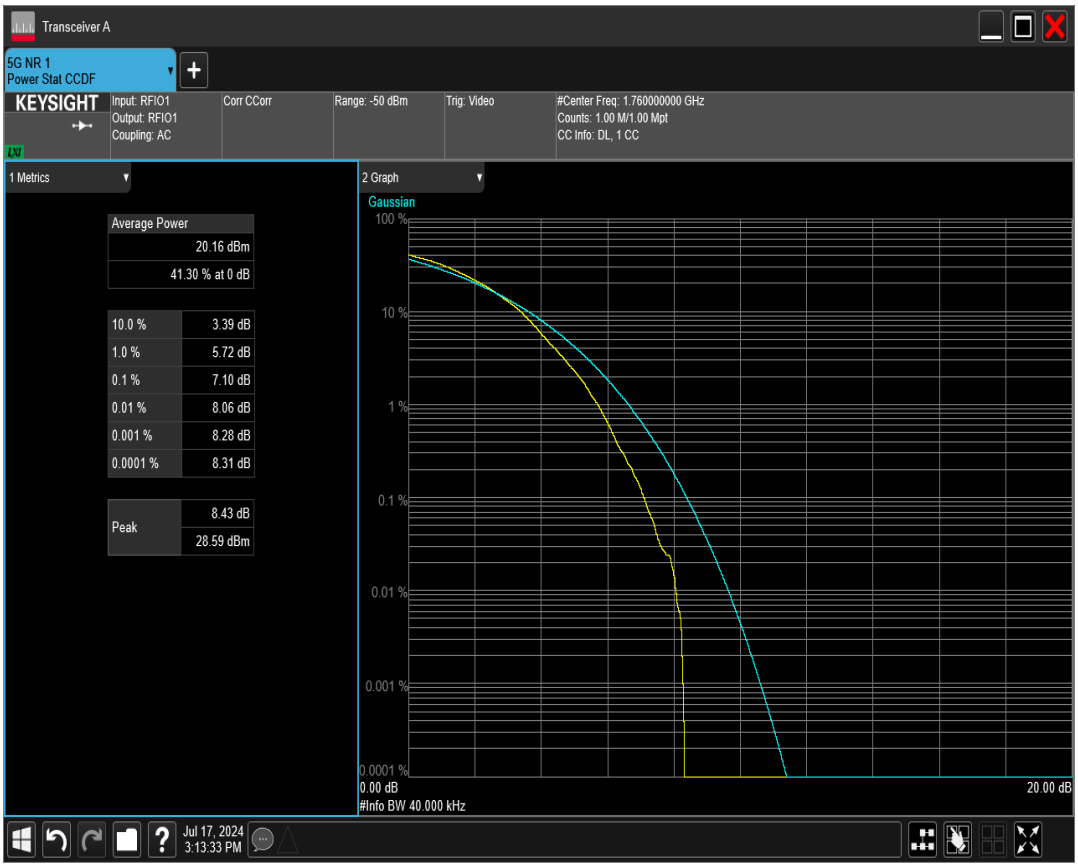
n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=346000 RB=100@0



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



n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=352000 RB=100@0



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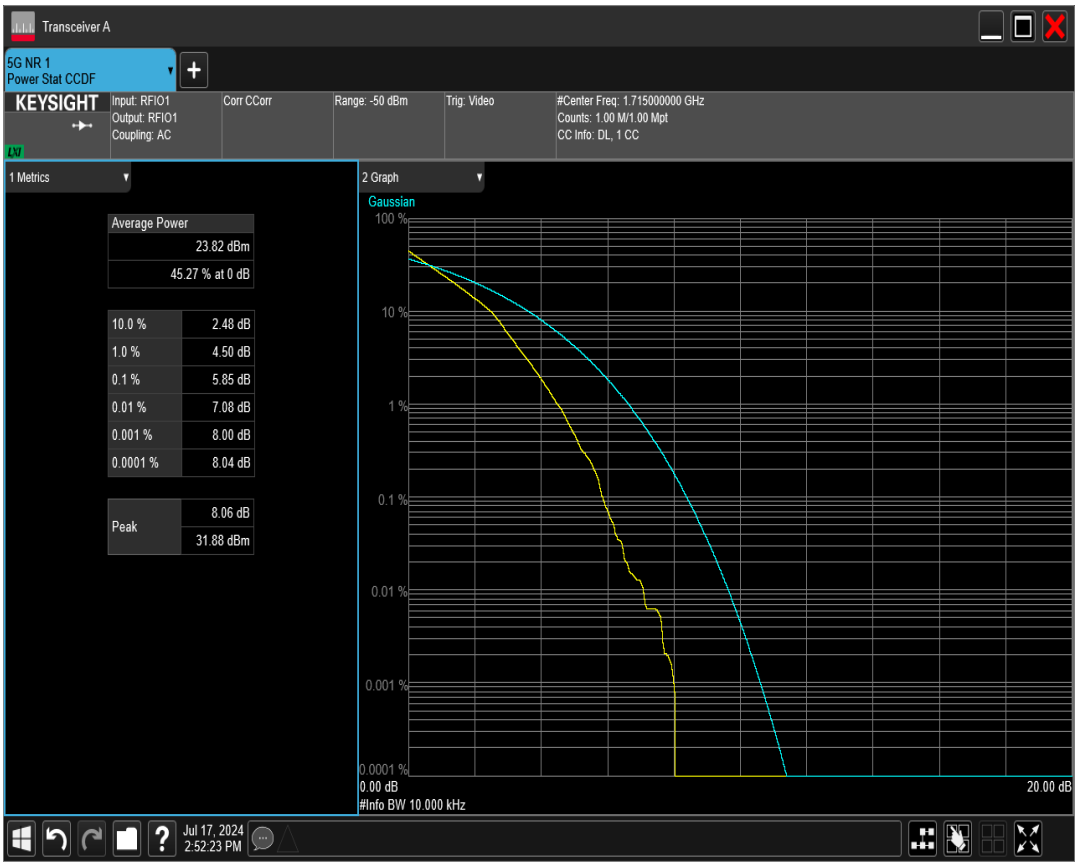
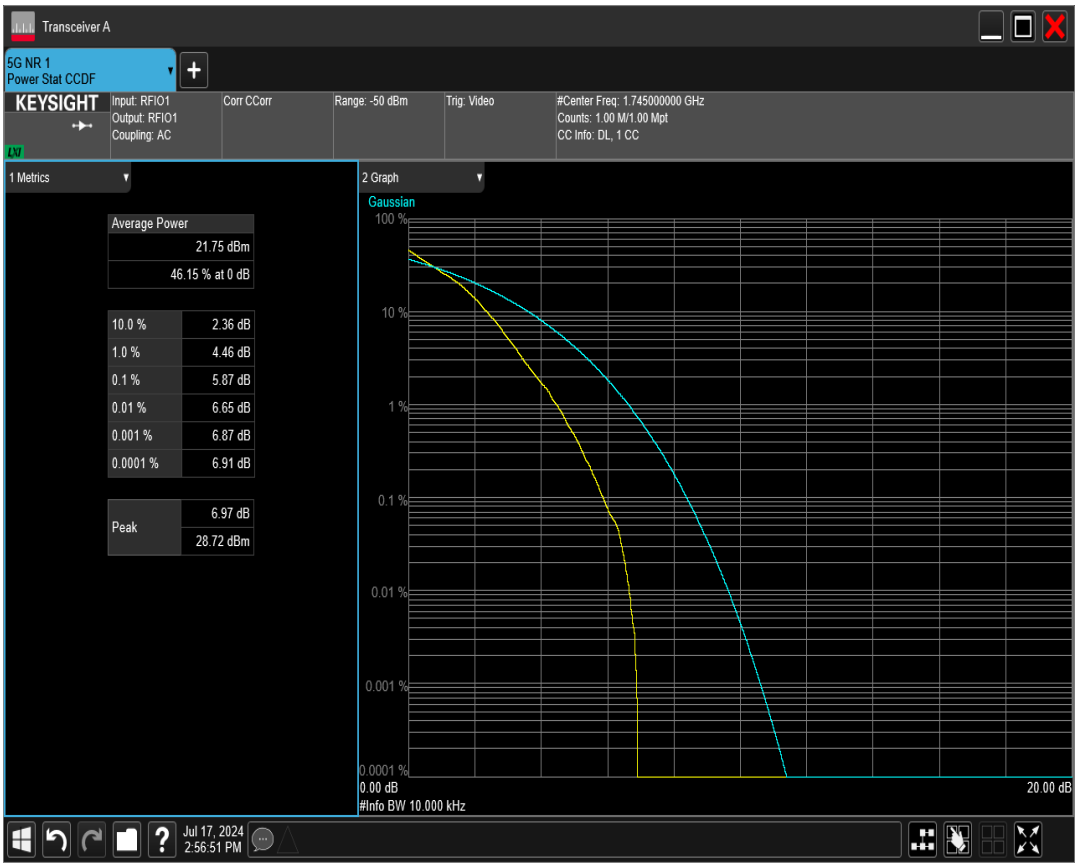
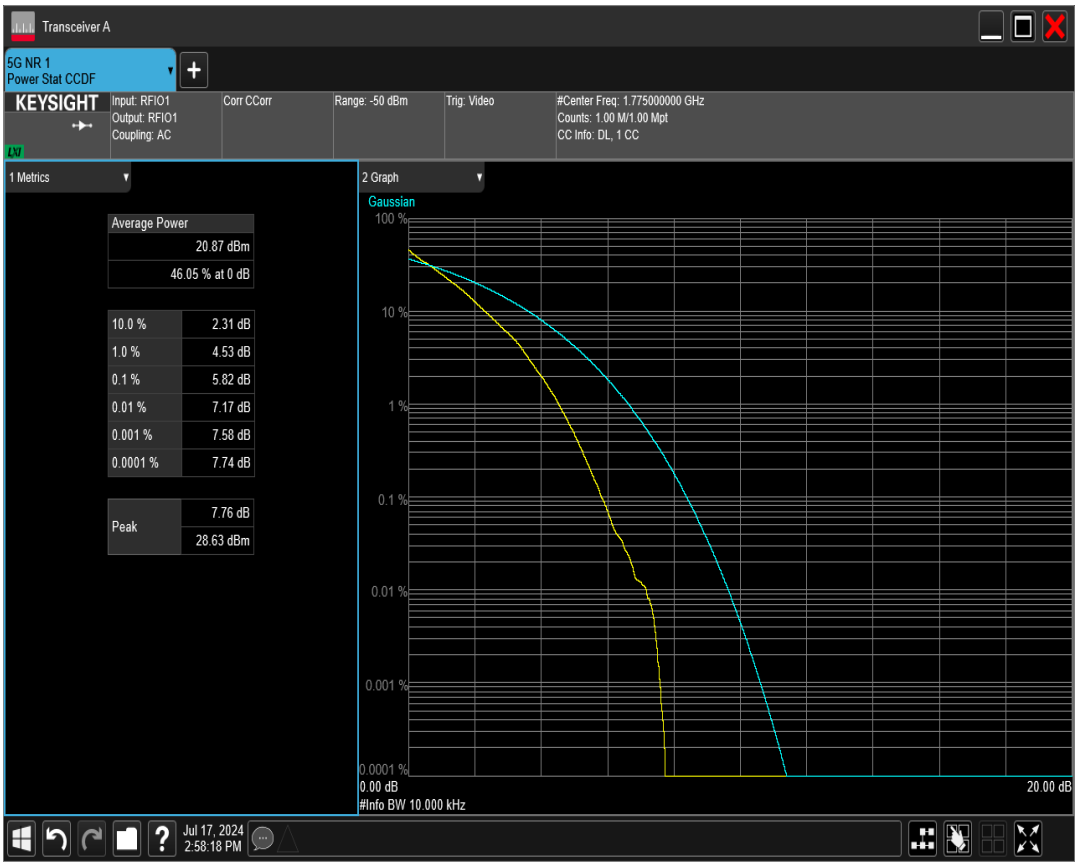


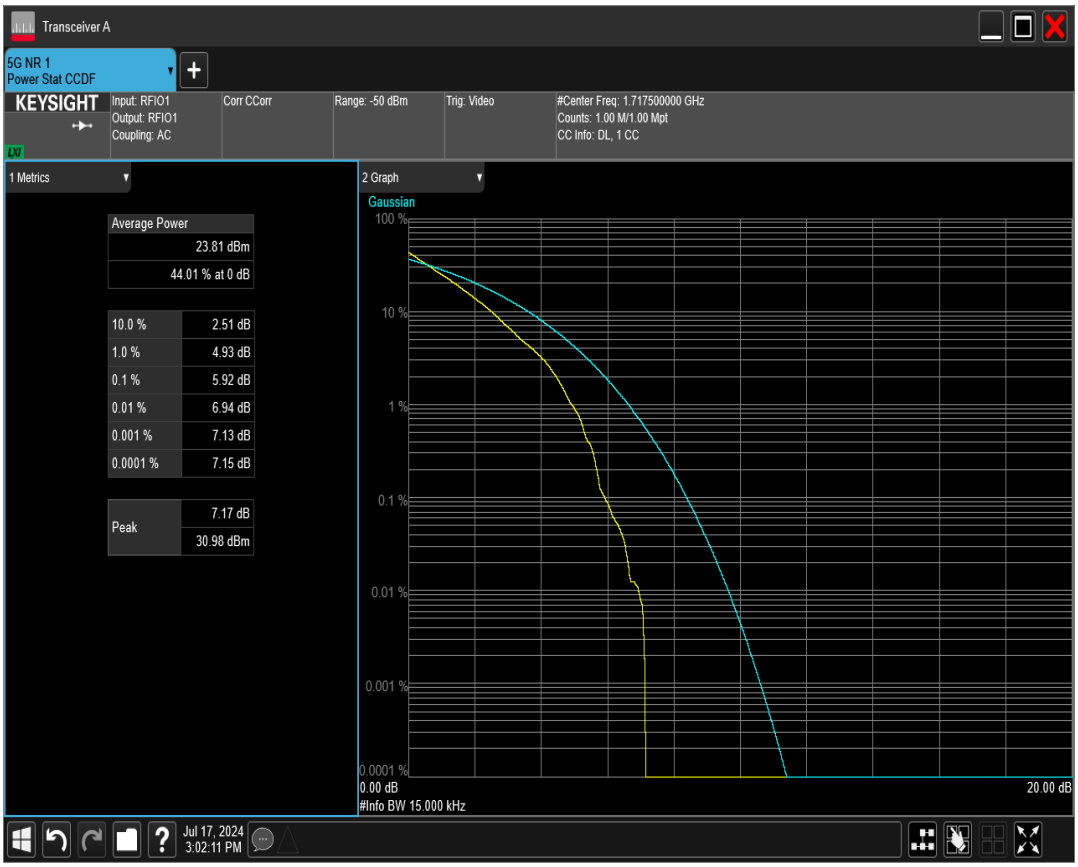
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=24@0



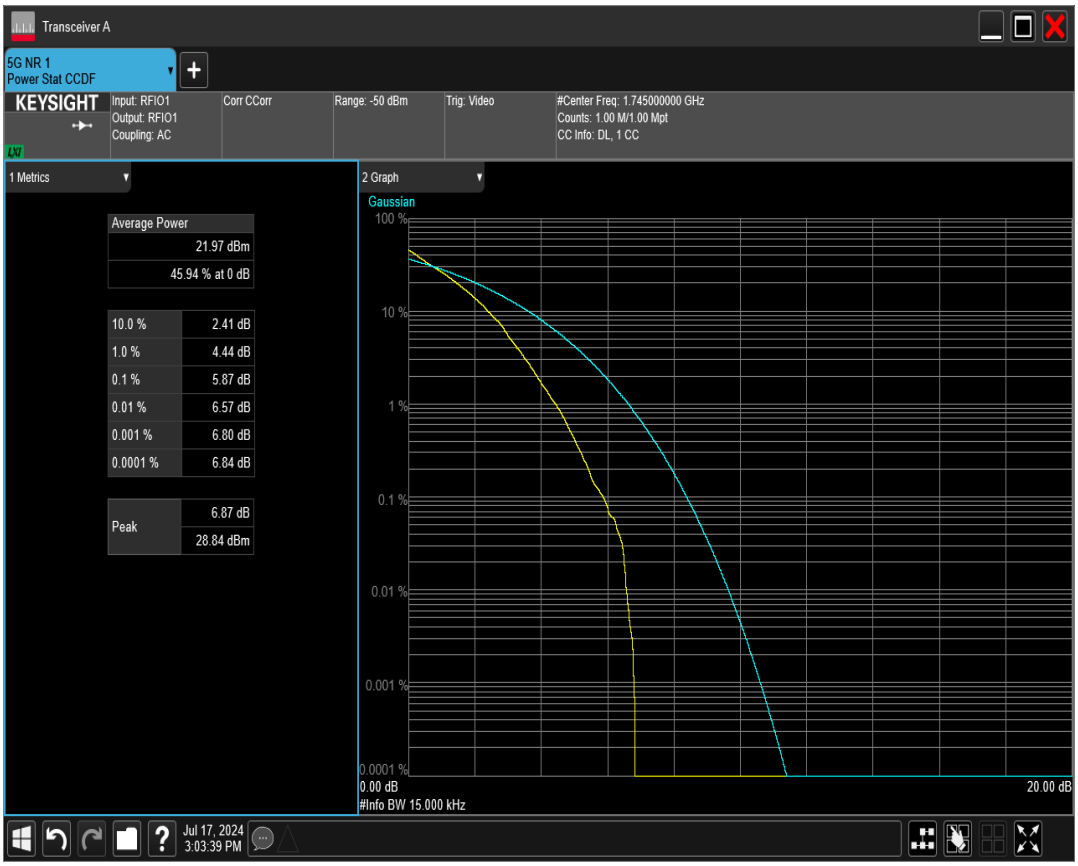
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=24@0



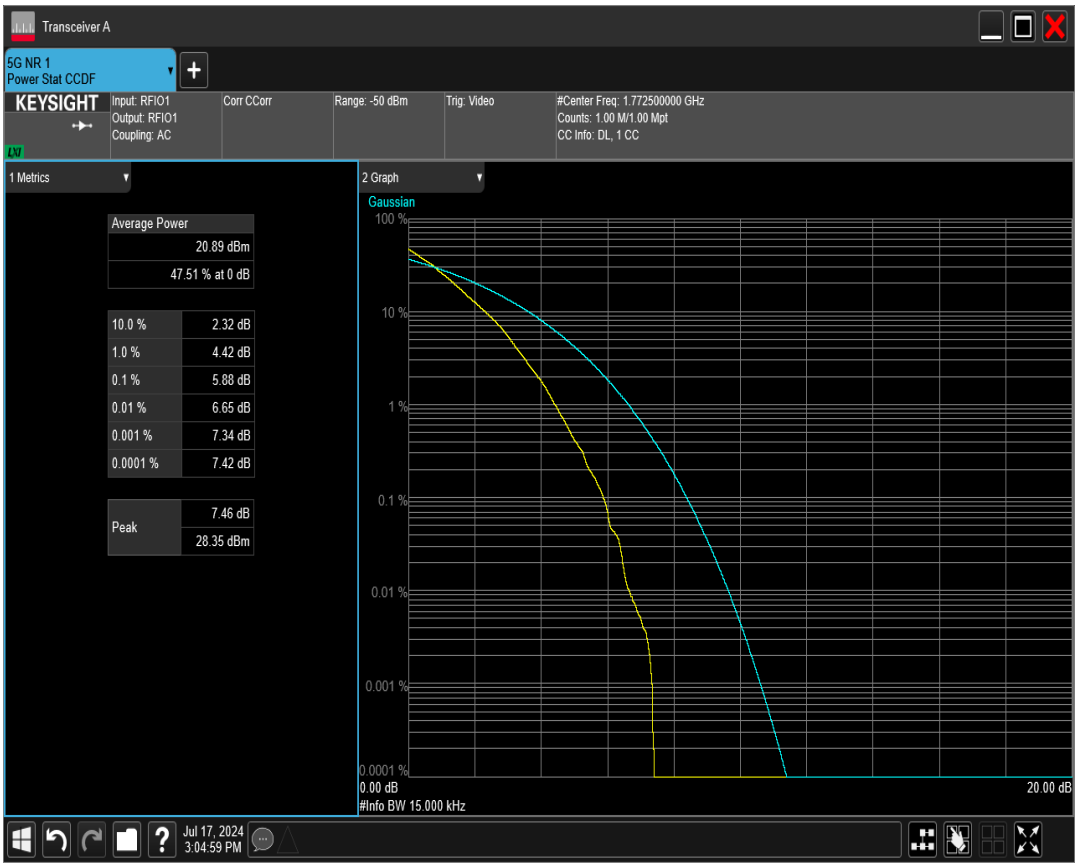
n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=343500 RB=36@0



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

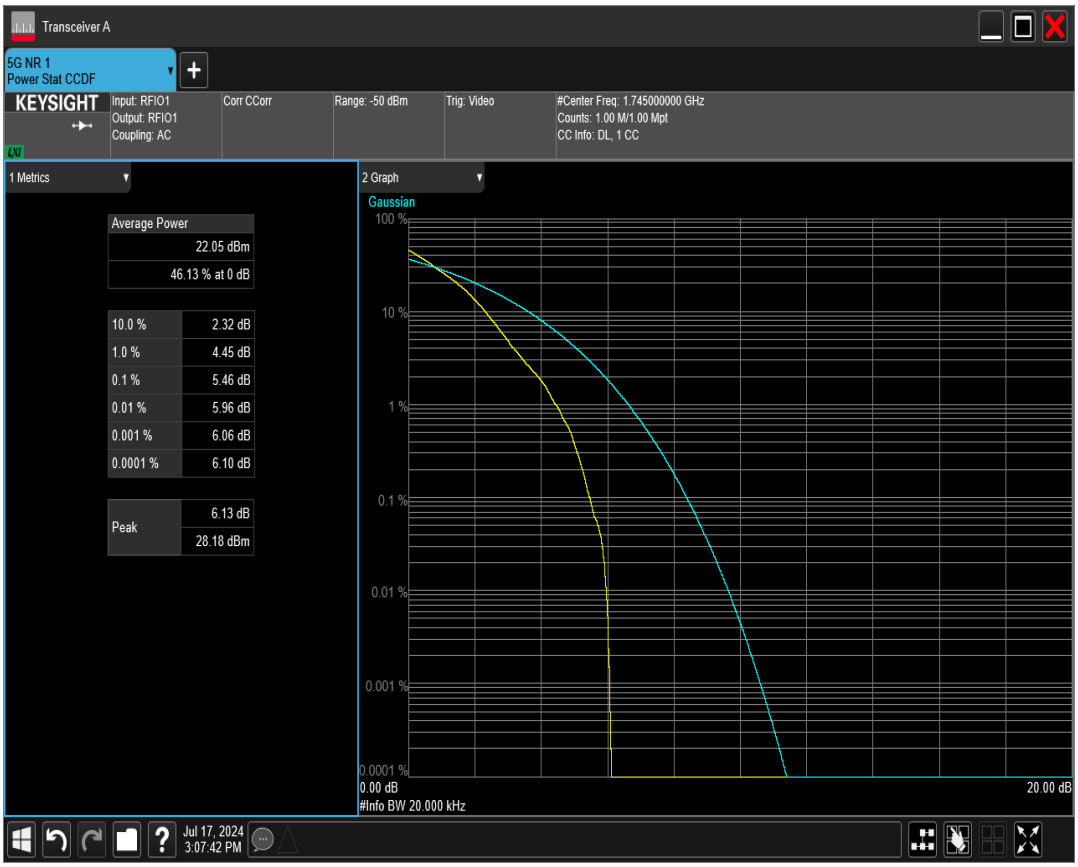


n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=354500 RB=36@0



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

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



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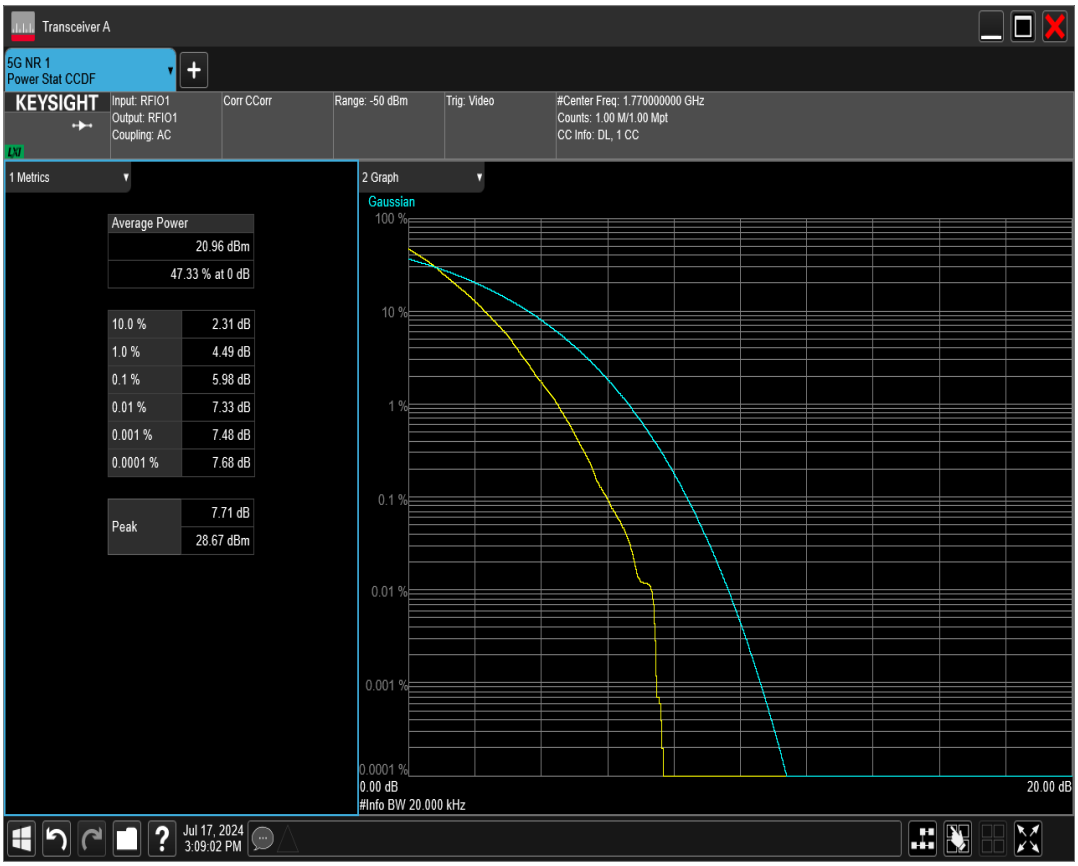

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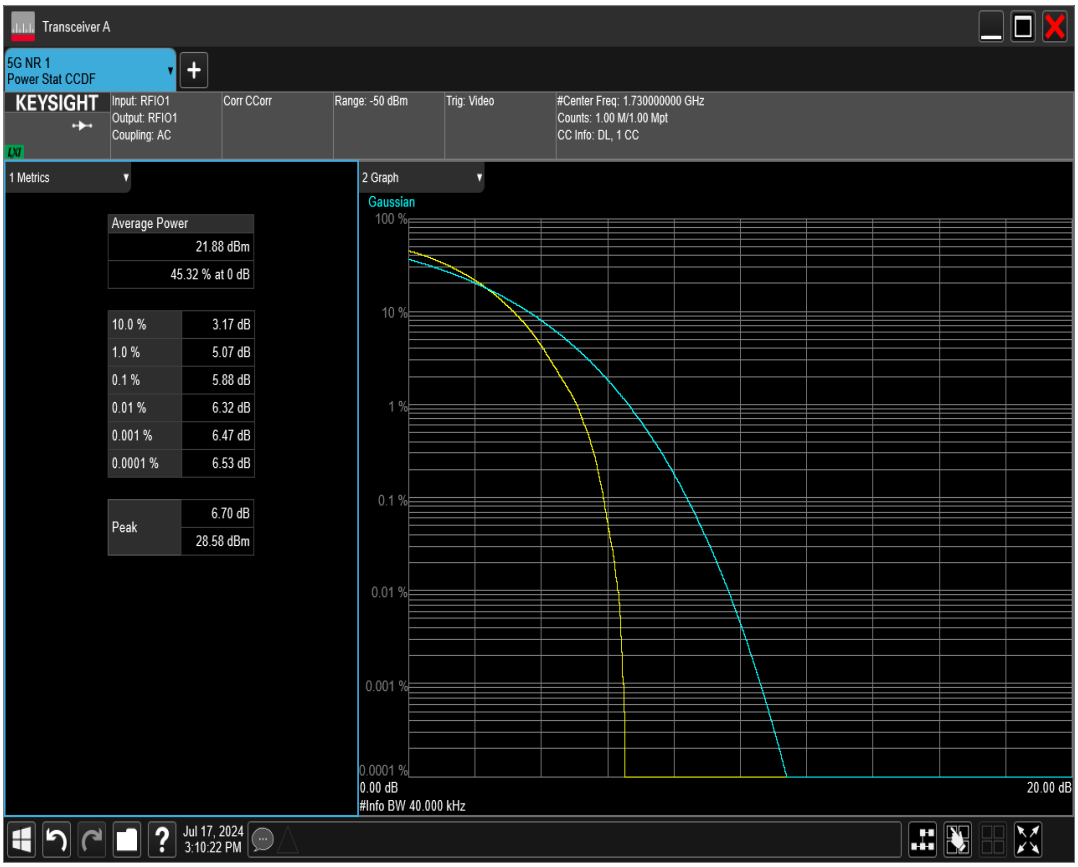

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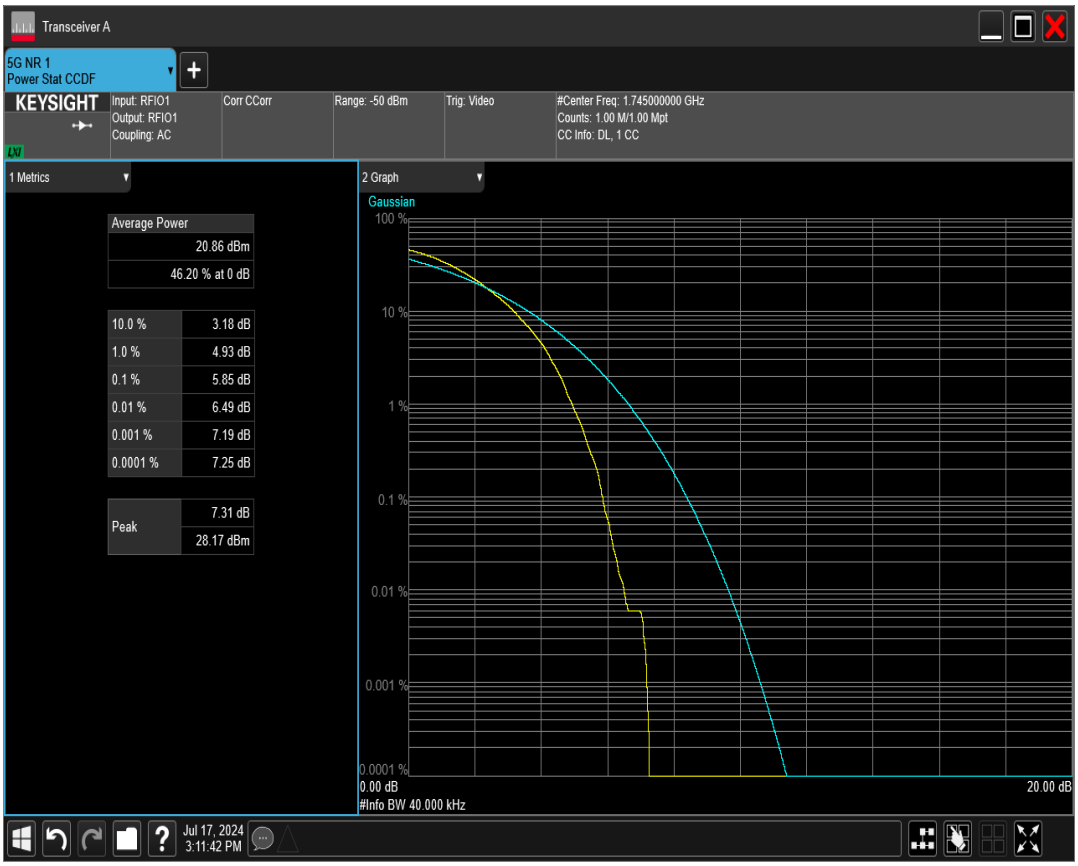
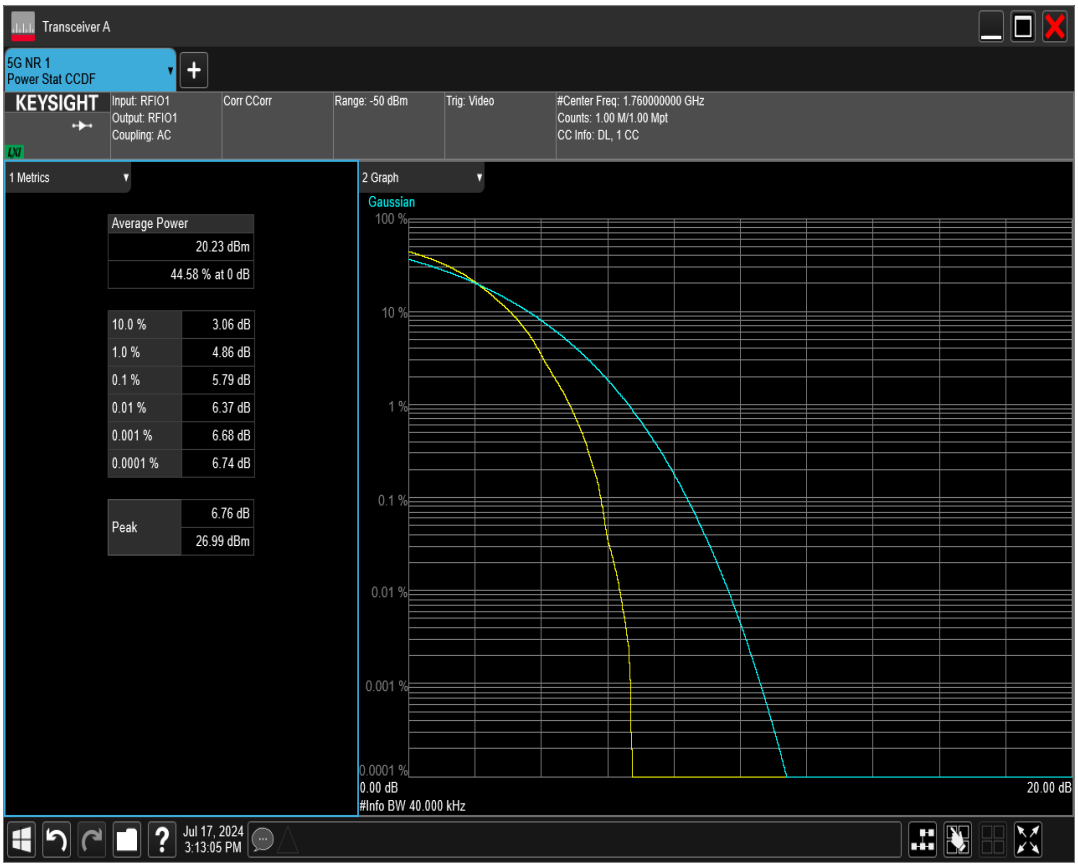


n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=100@0


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 1.760000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
20.23 dBm
44.58 % at 0 dB
10.0 % 3.06 dB
1.0 % 4.86 dB
0.1 % 5.79 dB
0.01 % 6.37 dB
0.001 % 6.68 dB
0.0001 % 6.74 dB
Peak 6.76 dB
26.99 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 40.000 kHz
Jul 17, 2024
3:13:05 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	30	10	349000	24@0	DFT_BPSK	8.530	8.870	PASS
n66	30	10	349000	24@0	DFT_QPSK	8.570	8.900	PASS
n66	30	10	349000	24@0	DFT_QAM16	8.530	8.830	PASS
n66	30	10	349000	24@0	DFT_QAM64	8.550	8.950	PASS
n66	30	10	349000	24@0	DFT_QAM256	8.550	8.850	PASS
n66	30	15	349000	36@0	DFT_BPSK	13.530	13.160	PASS
n66	30	15	349000	36@0	DFT_QPSK	13.550	13.220	PASS
n66	30	15	349000	36@0	DFT_QAM16	13.500	13.160	PASS
n66	30	15	349000	36@0	DFT_QAM64	13.540	13.220	PASS
n66	30	15	349000	36@0	DFT_QAM256	13.500	13.310	PASS
n66	30	20	349000	50@0	DFT_BPSK	18.060	18.180	PASS
n66	30	20	349000	50@0	DFT_QPSK	18.060	18.170	PASS
n66	30	20	349000	50@0	DFT_QAM16	18.060	18.210	PASS
n66	30	20	349000	50@0	DFT_QAM64	18.110	18.280	PASS
n66	30	20	349000	50@0	DFT_QAM256	18.110	18.200	PASS
n66	30	40	349000	100@0	DFT_BPSK	37.680	36.280	PASS
n66	30	40	349000	100@0	DFT_QPSK	37.610	36.210	PASS
n66	30	40	349000	100@0	DFT_QAM16	37.620	36.240	PASS
n66	30	40	349000	100@0	DFT_QAM64	37.620	36.270	PASS
n66	30	40	349000	100@0	DFT_QAM256	37.560	36.210	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