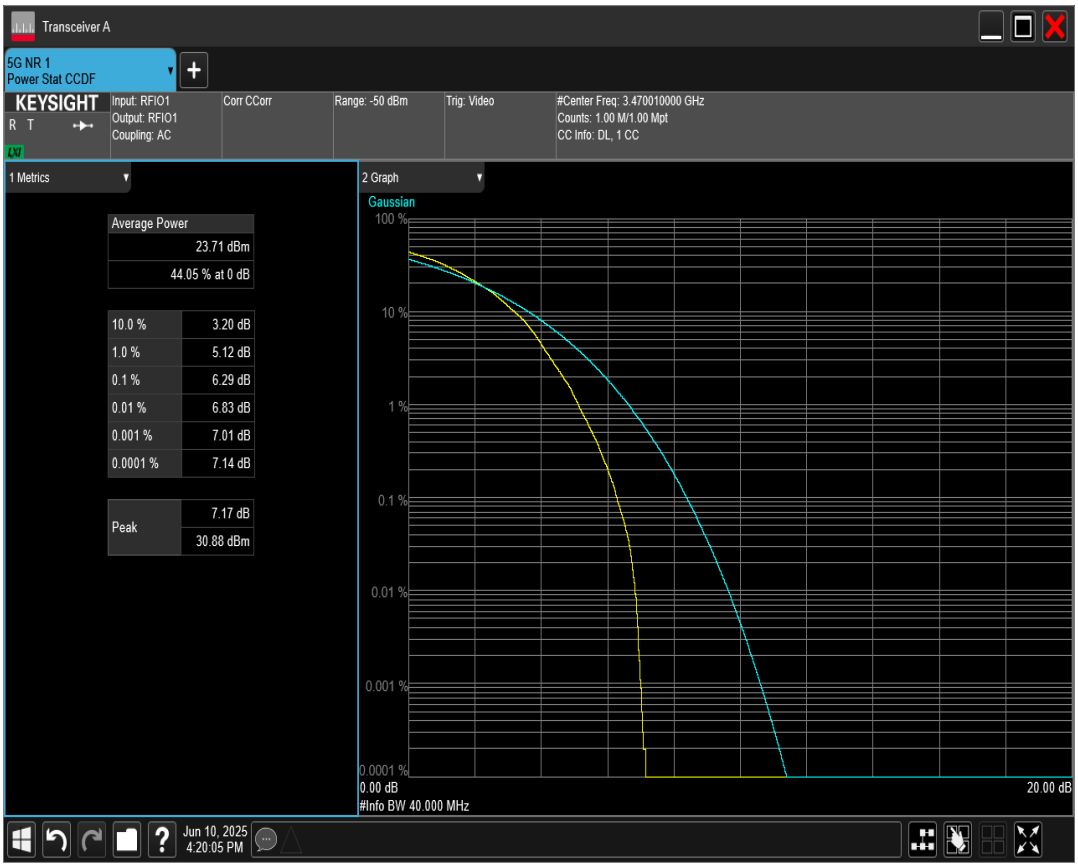
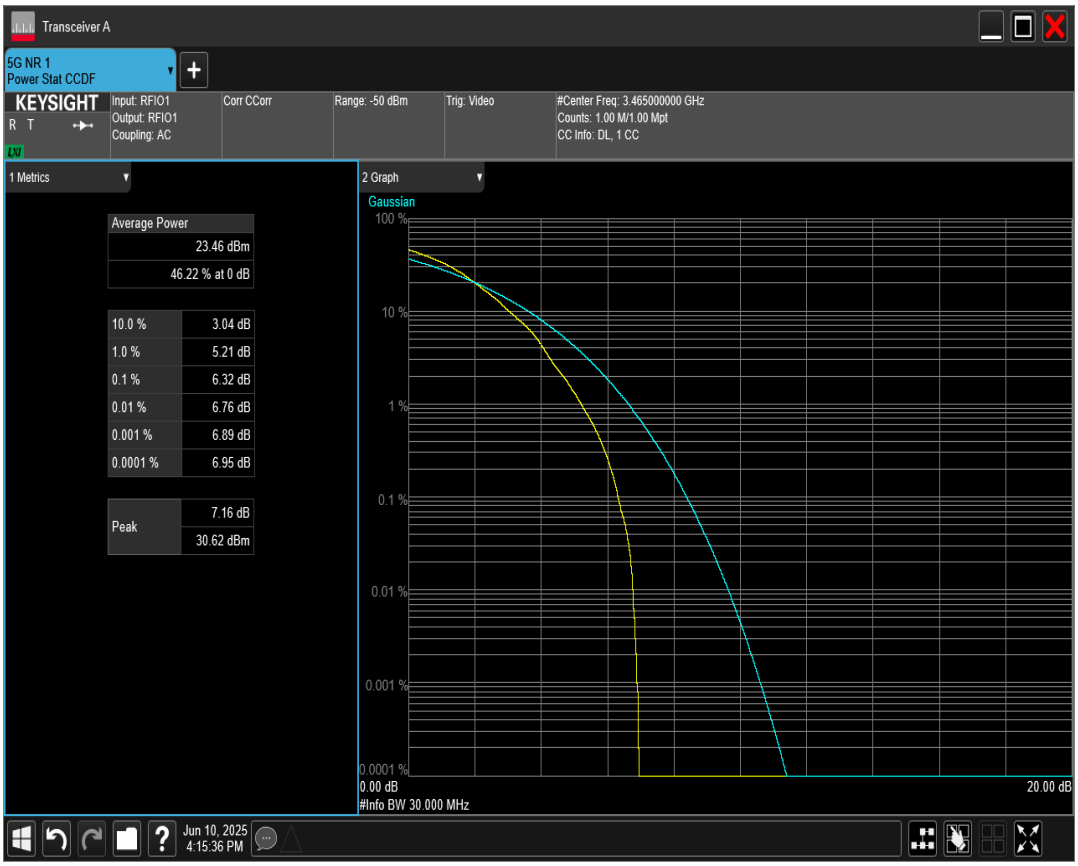
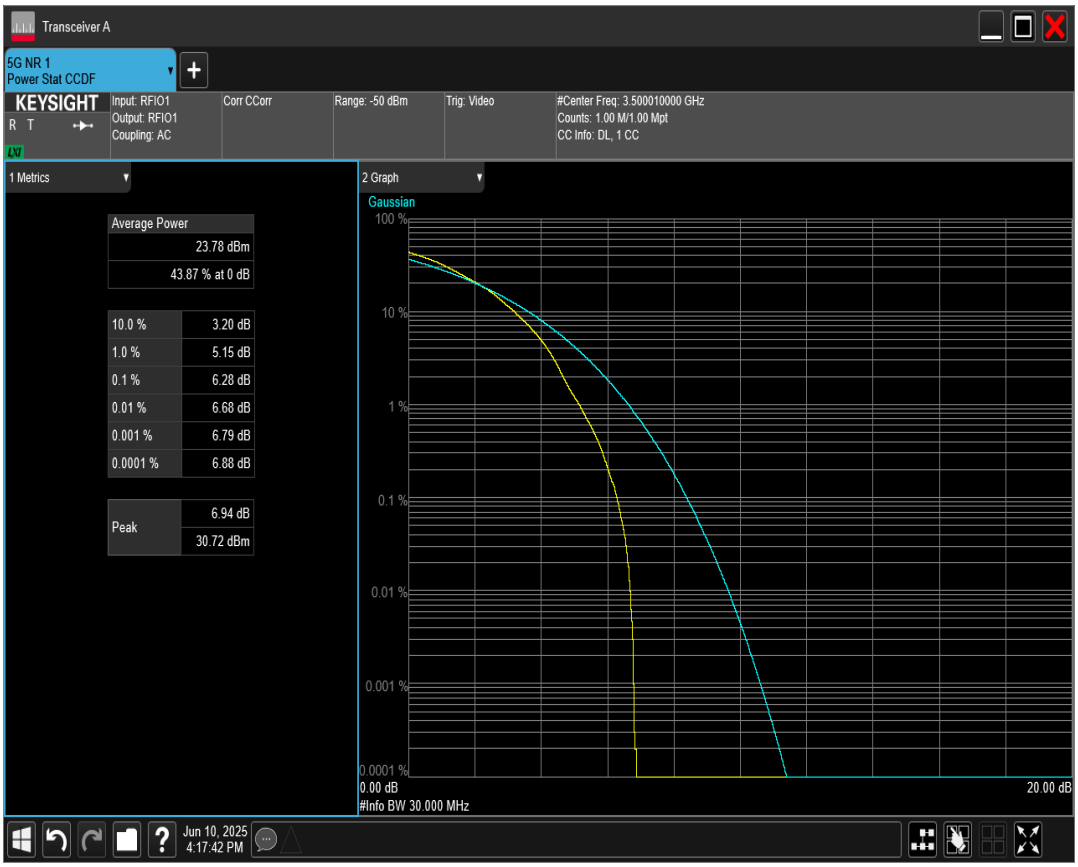


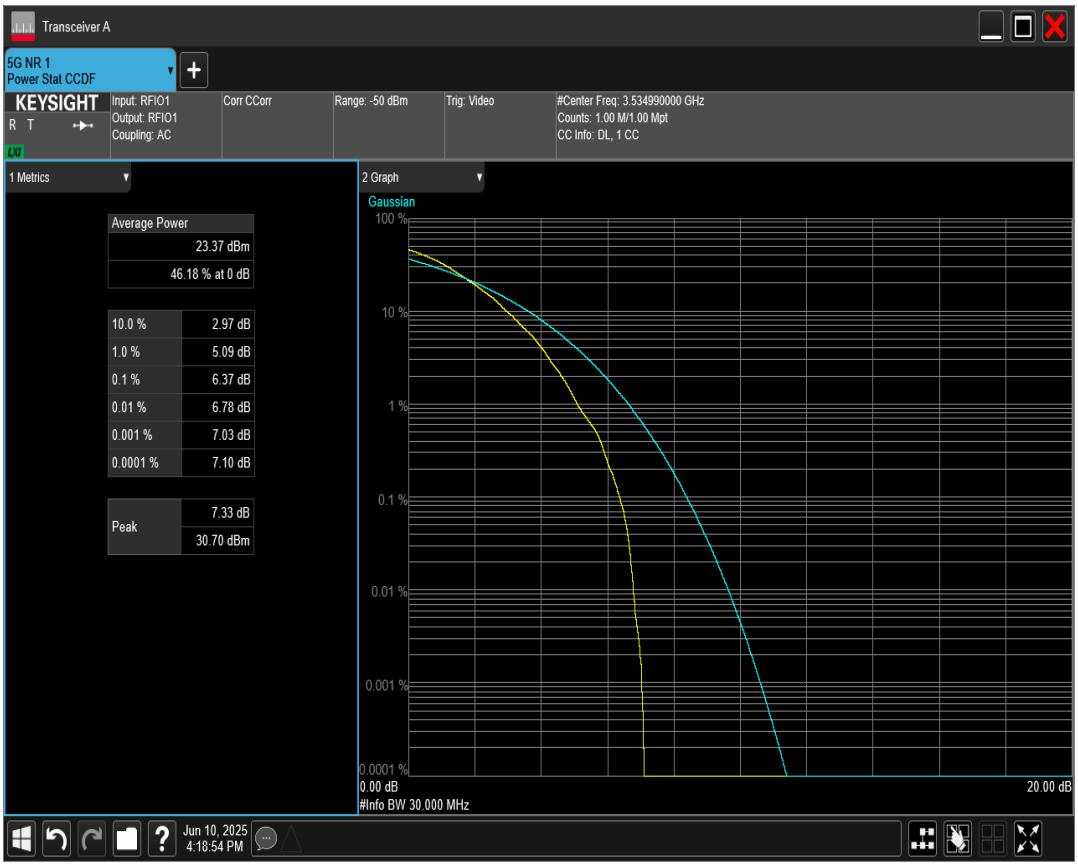
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=631000 RB=75@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=633334 RB=75@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=635666 RB=75@0



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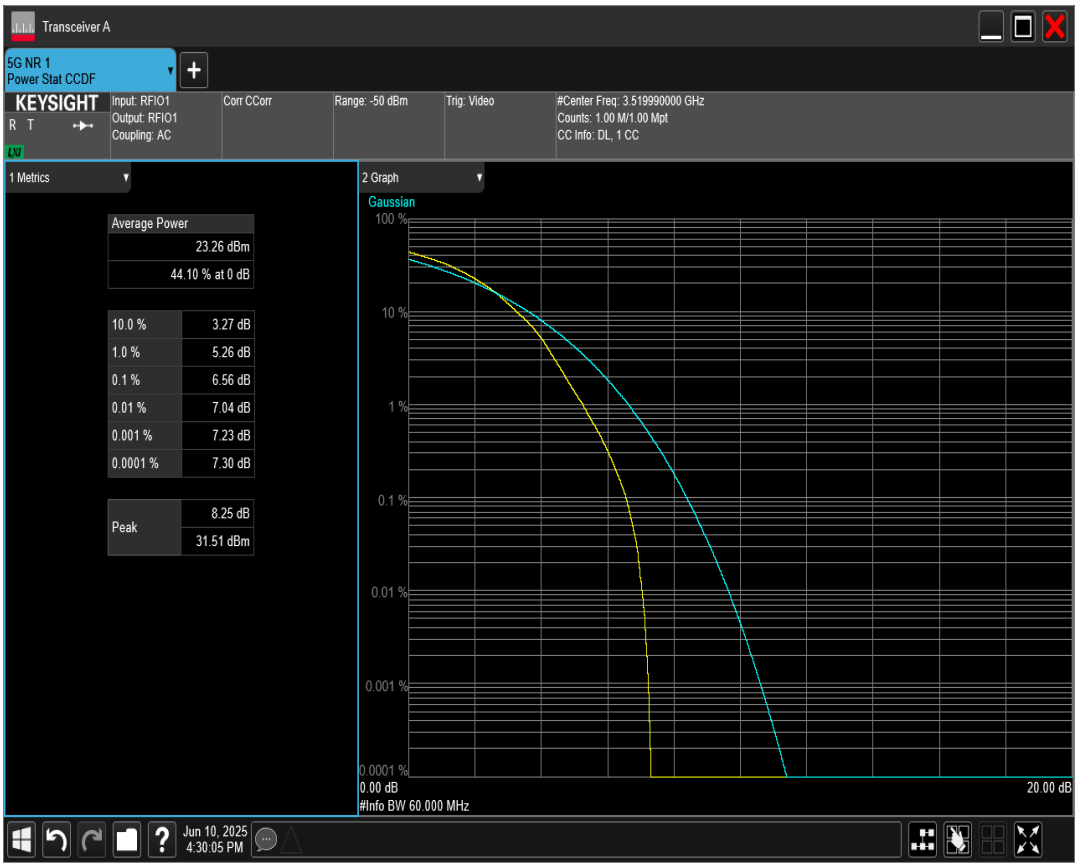
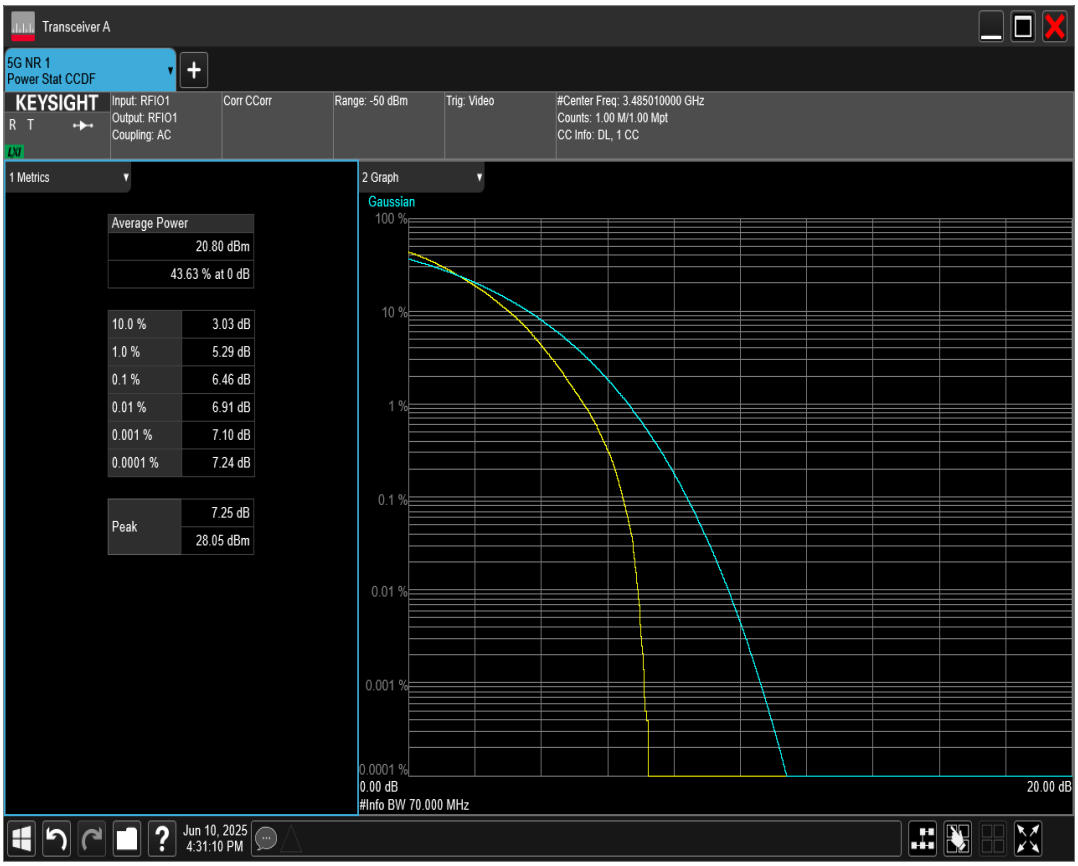
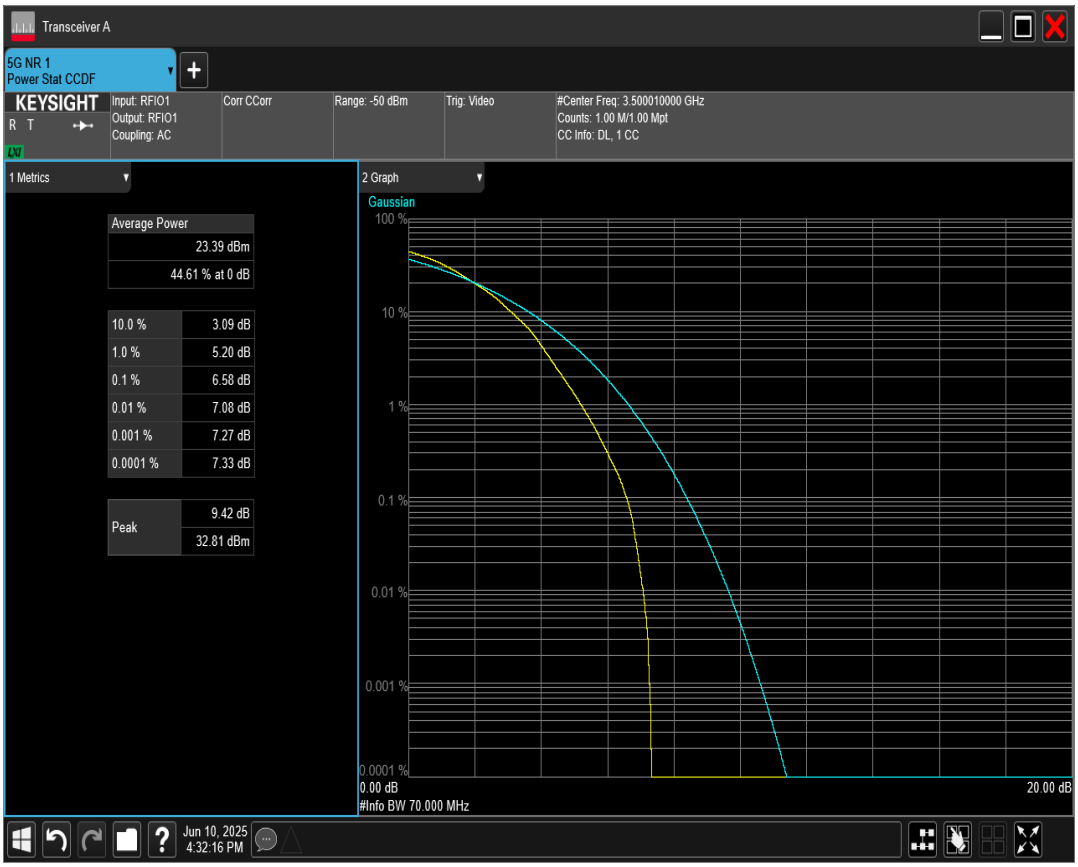


n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=632334 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=633334 RB=180@0



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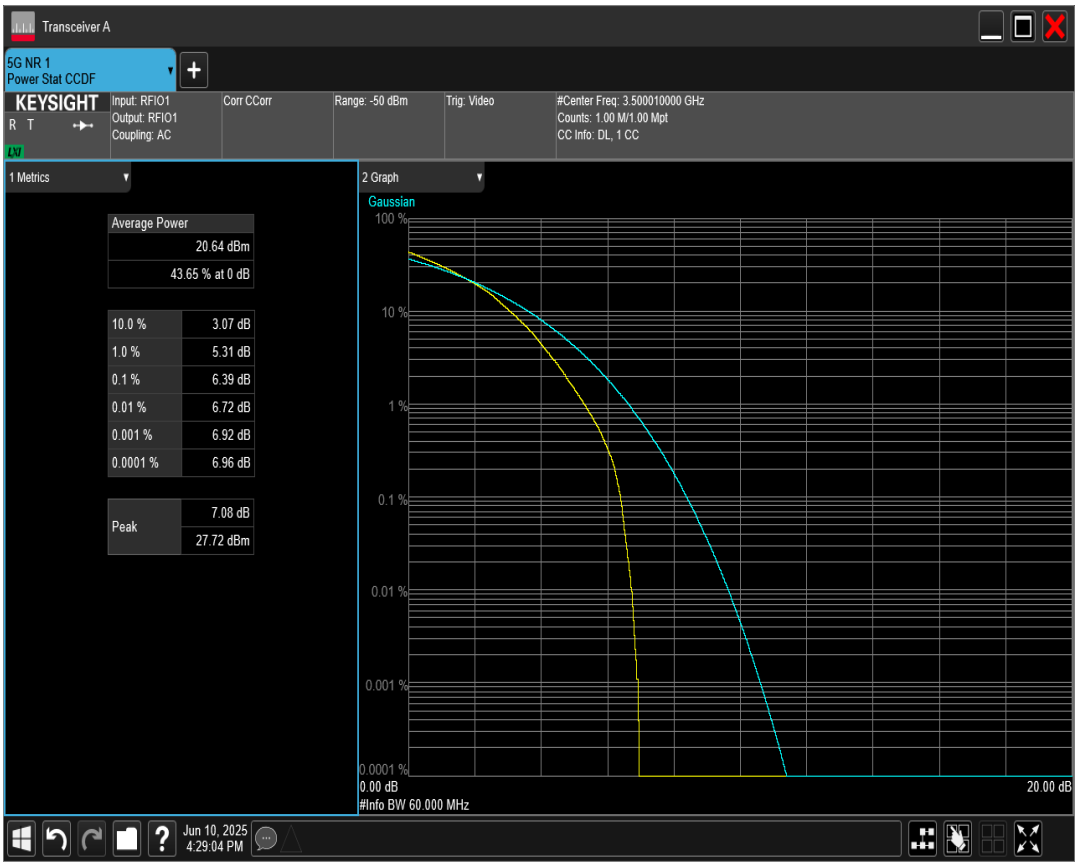

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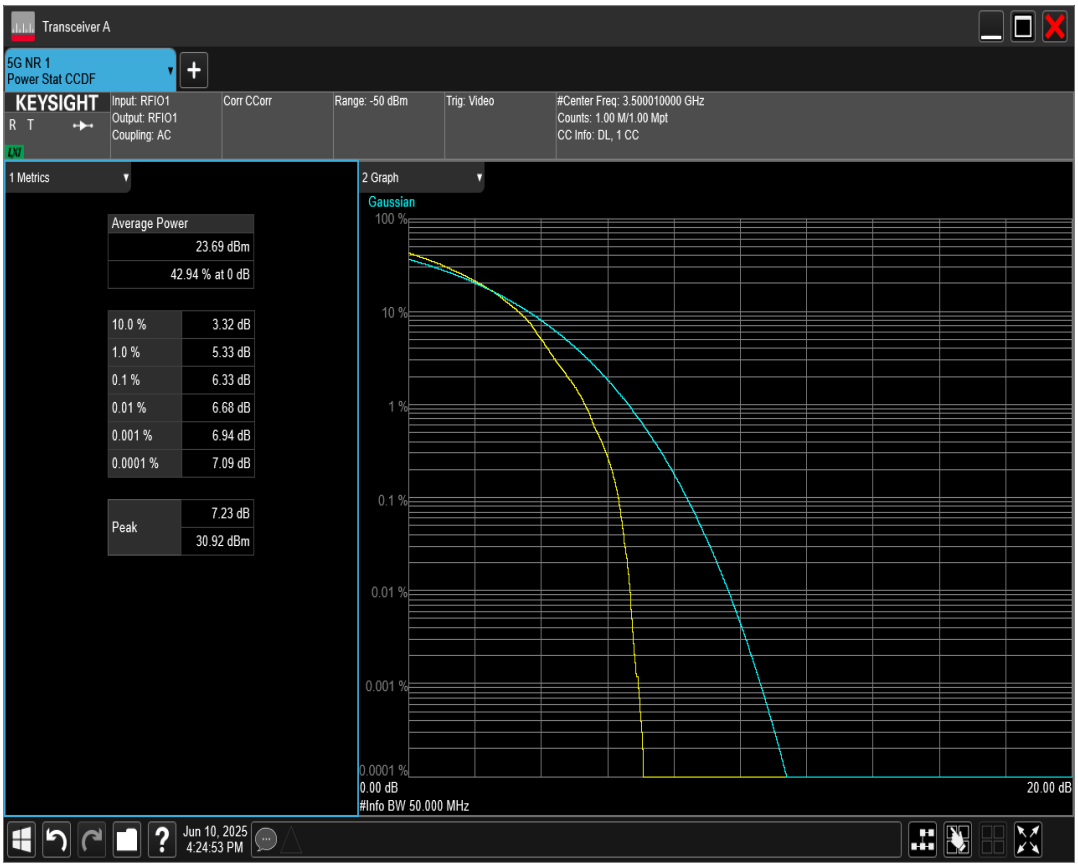

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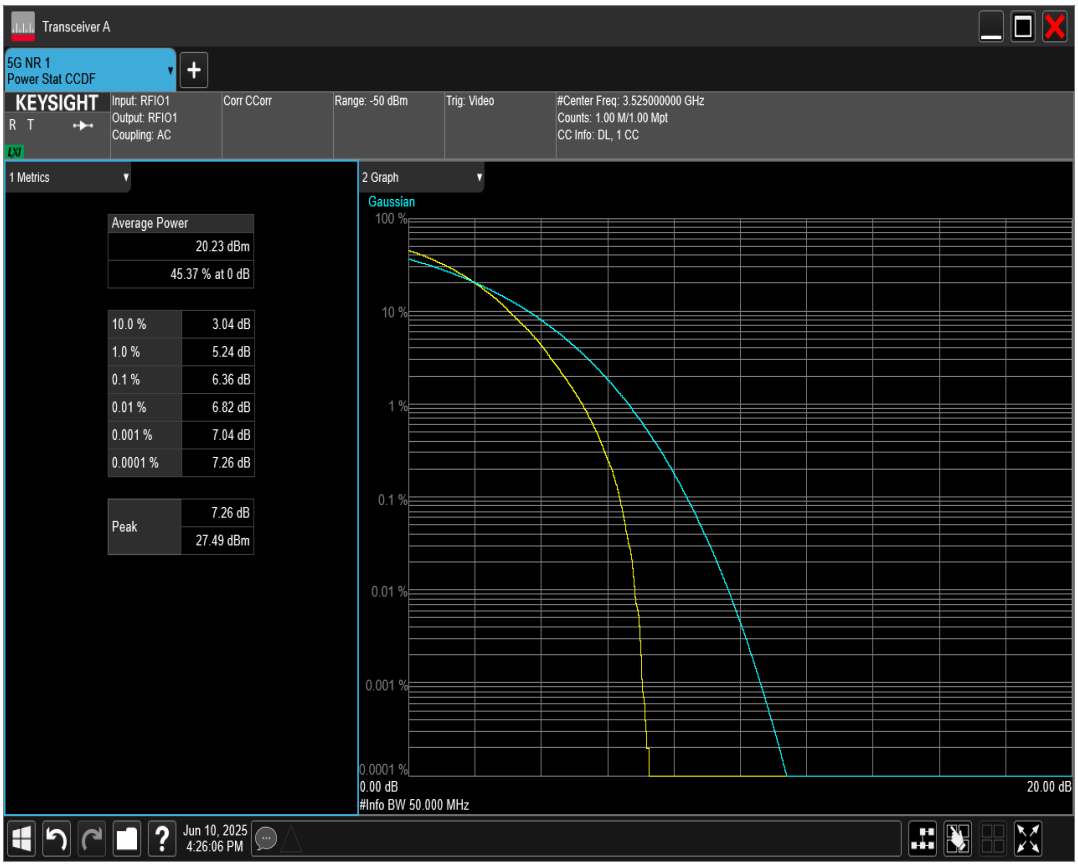

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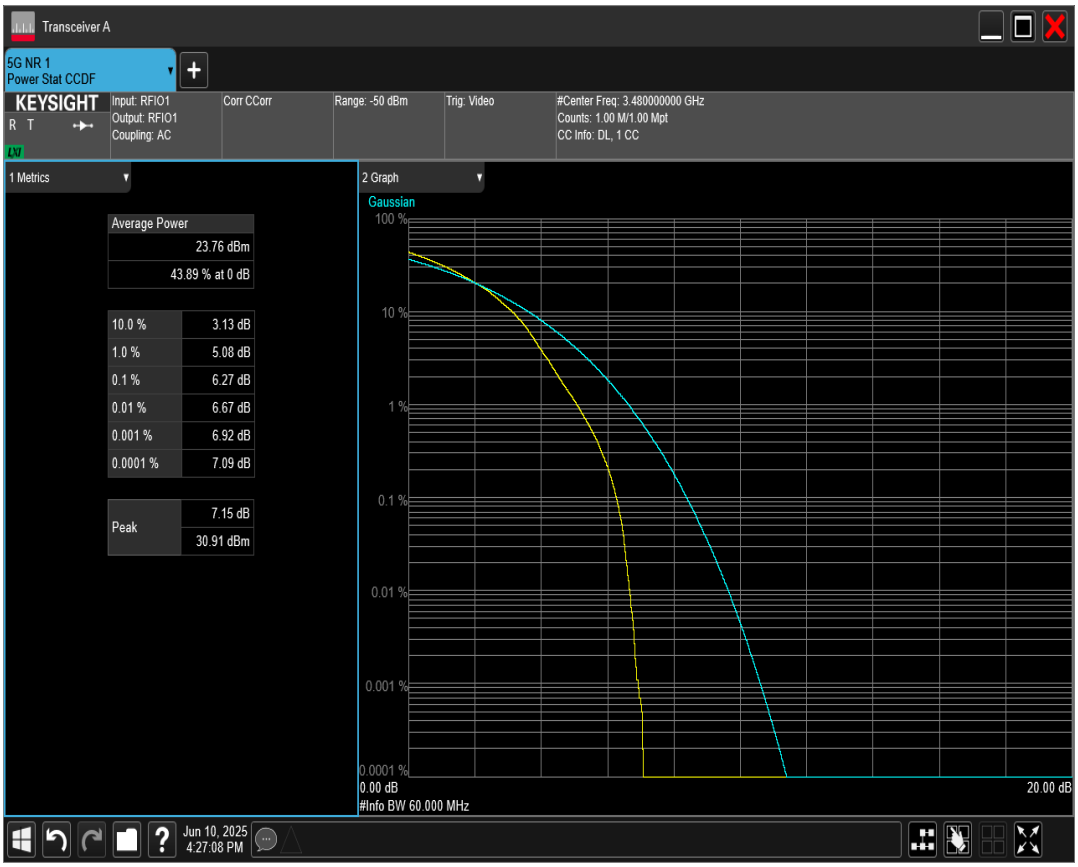
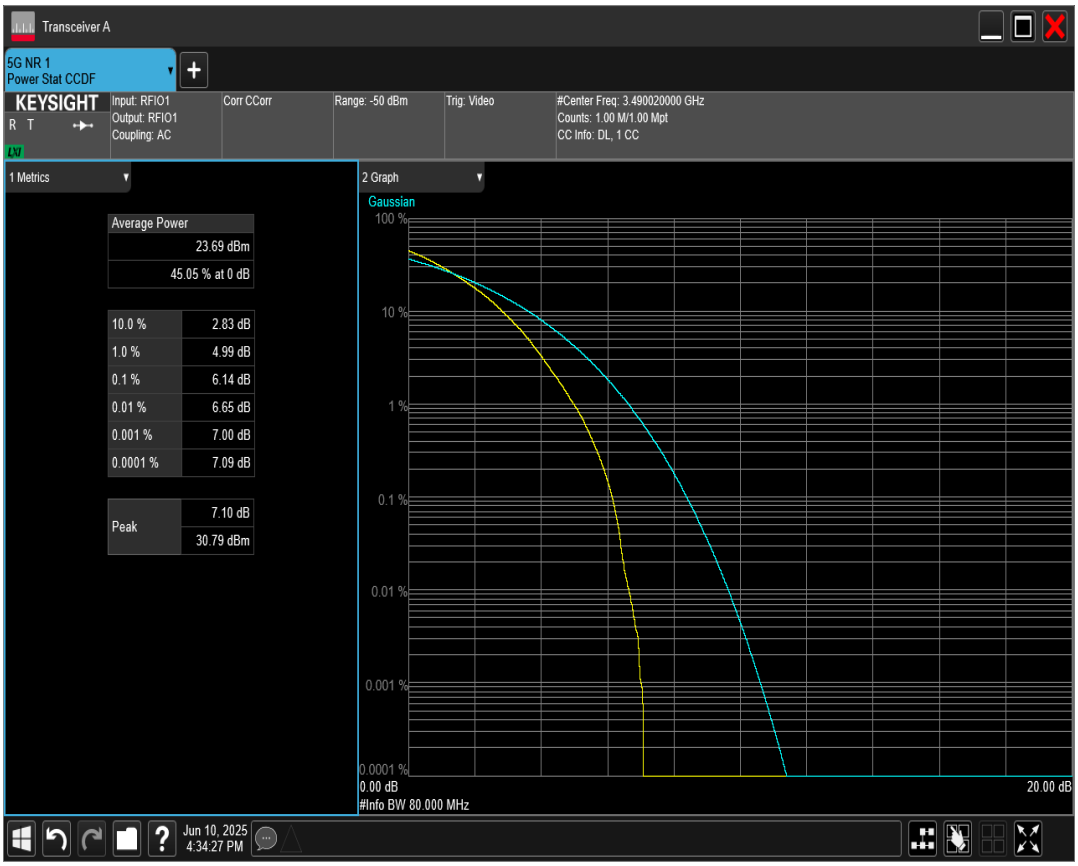


n78(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=632668 RB=216@0



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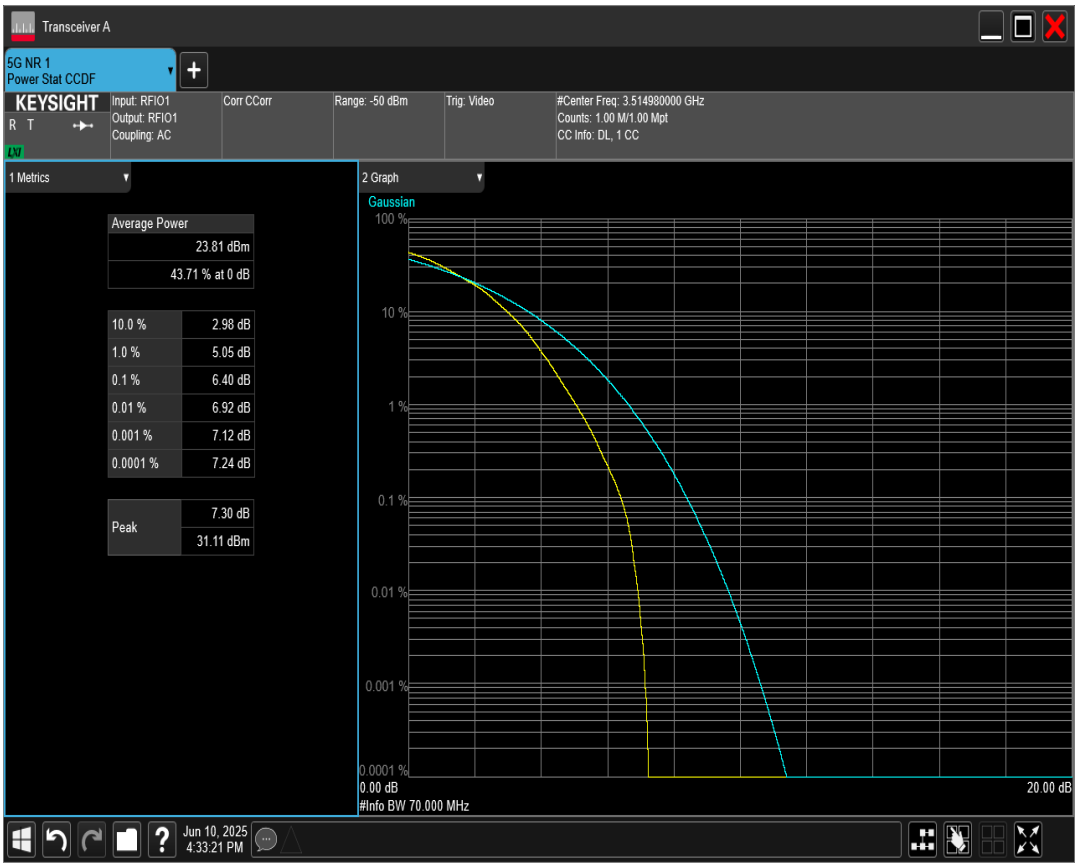
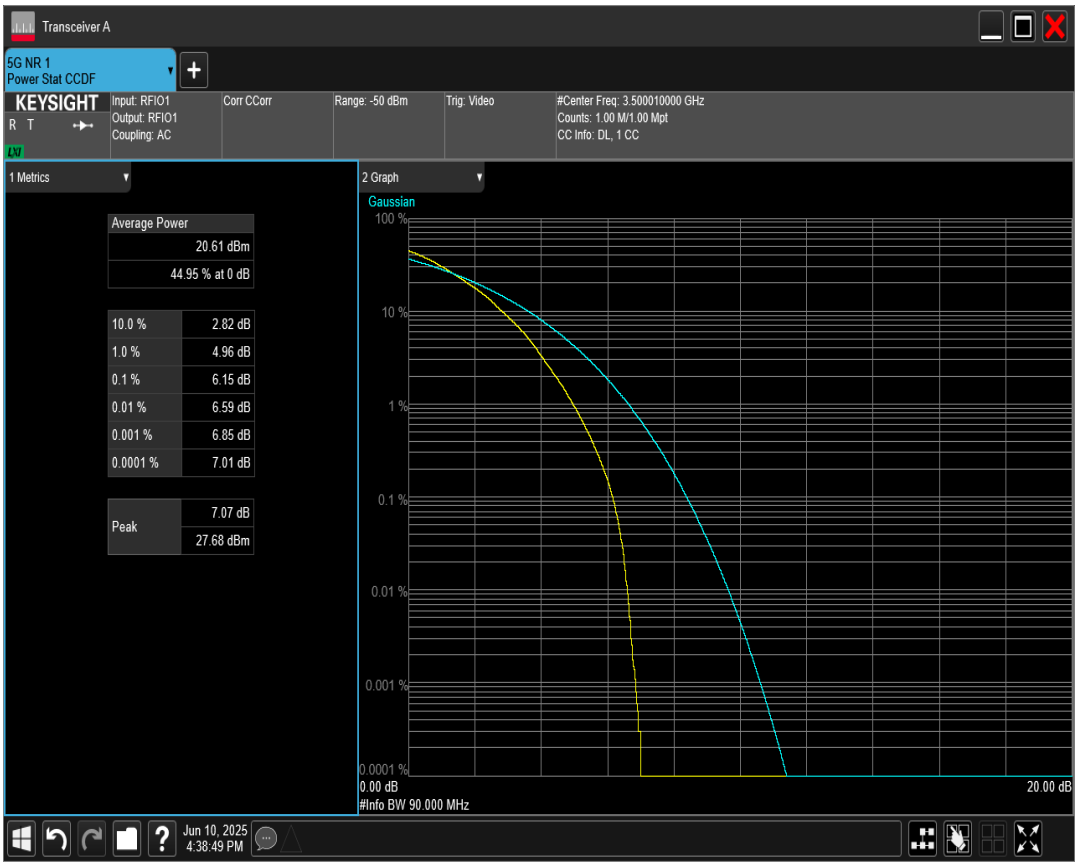
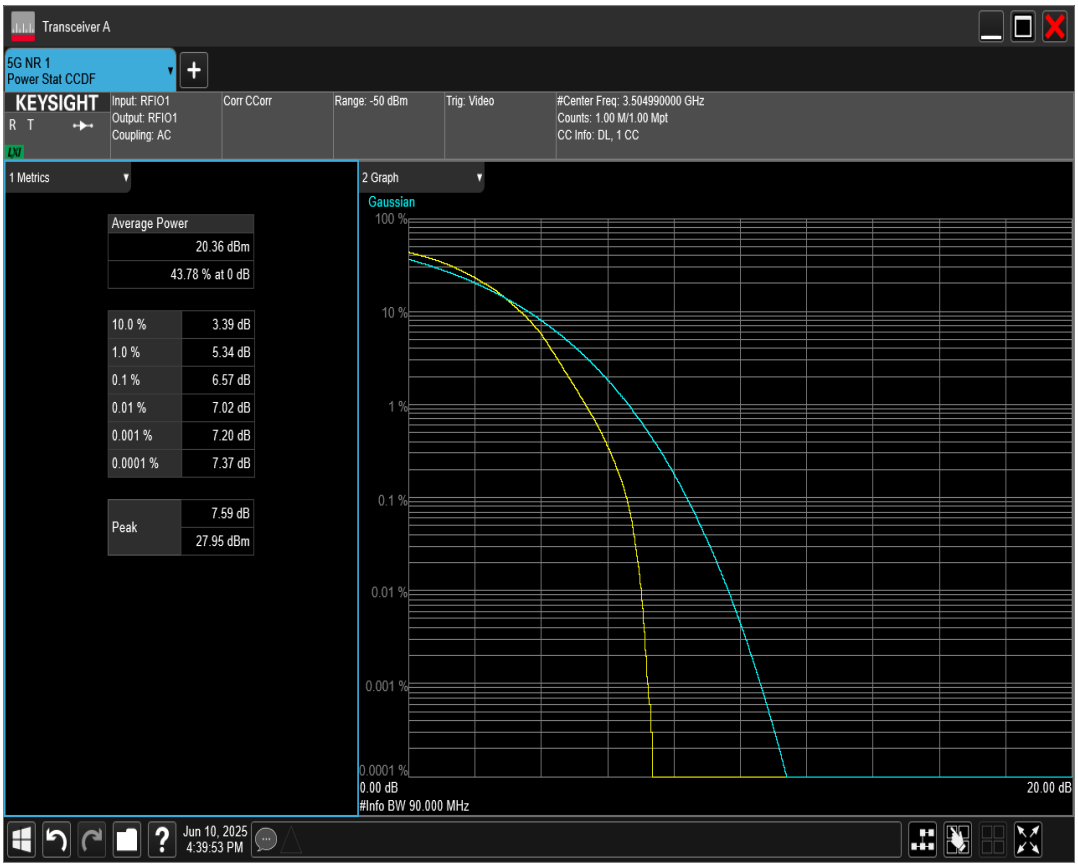


n78(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633334 RB=240@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633666 RB=240@0



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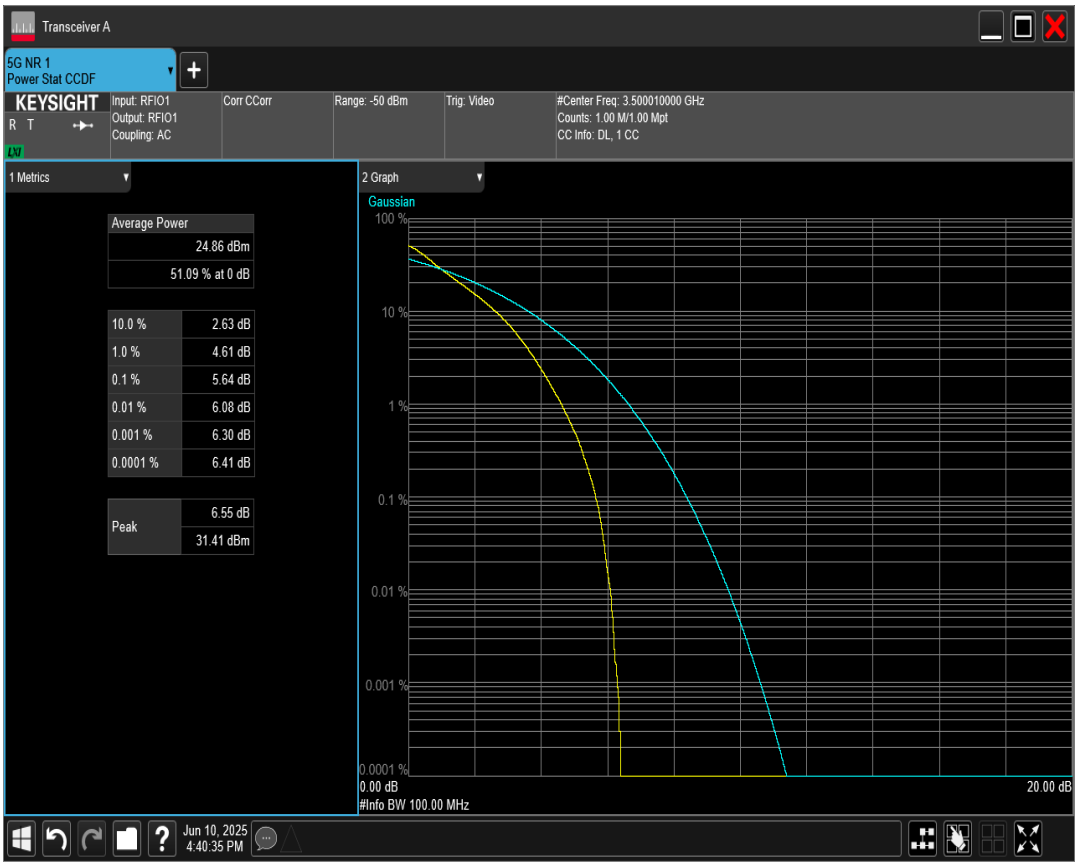
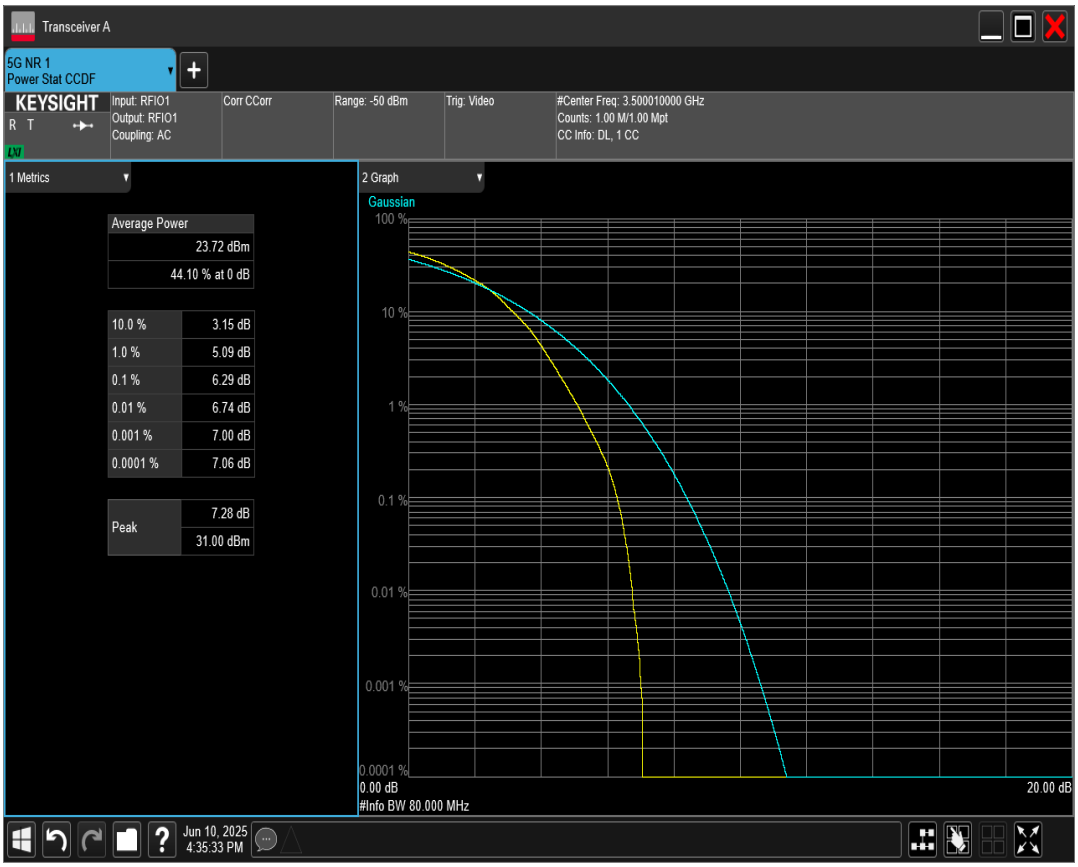
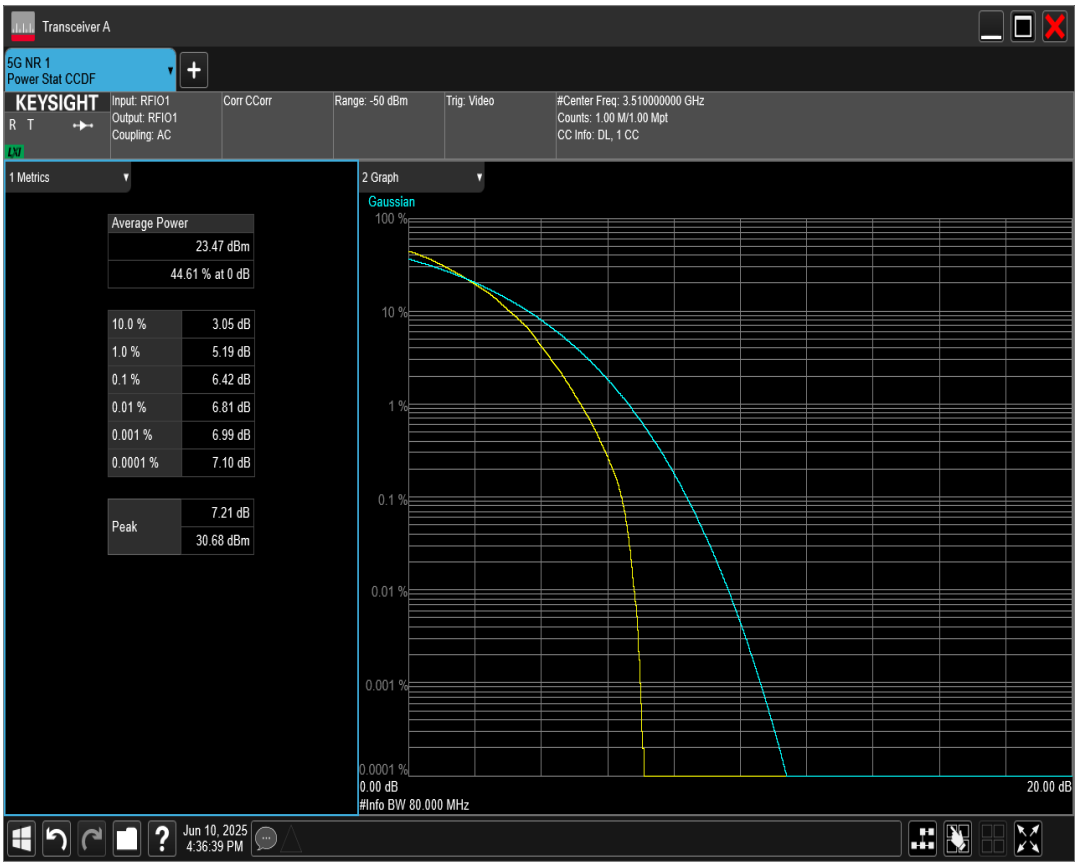


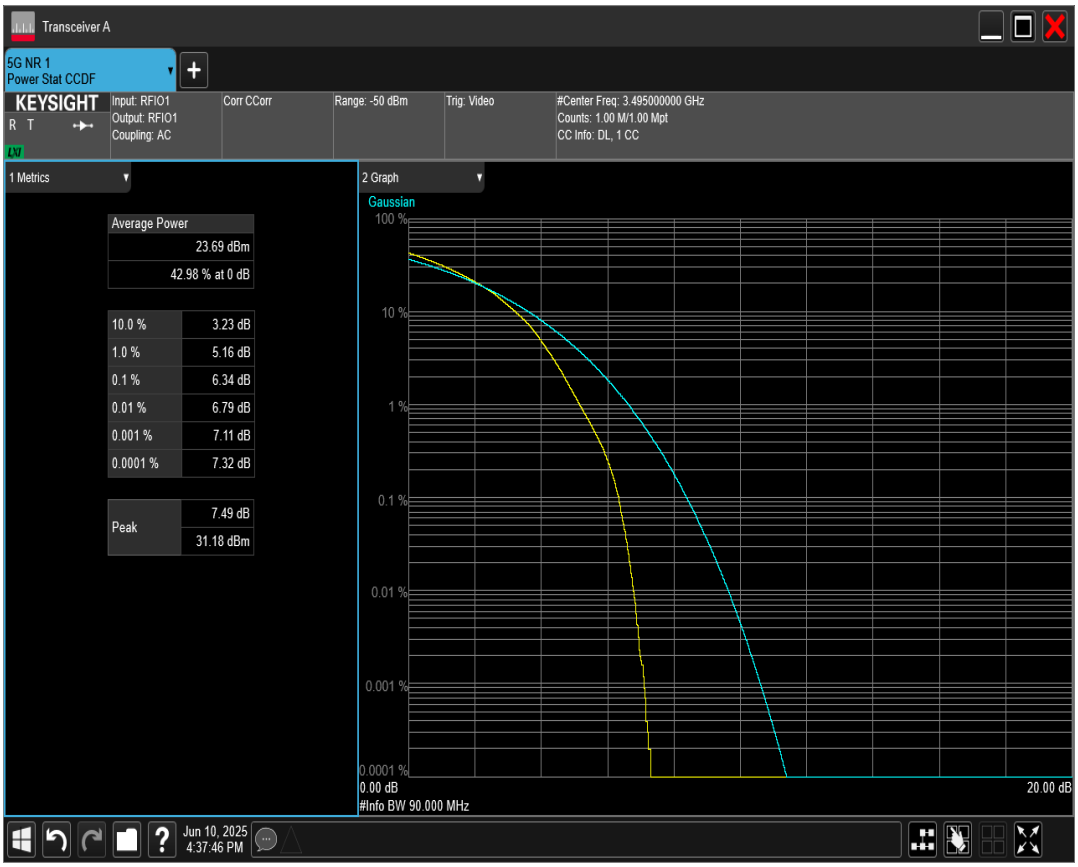
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=634000 RB=216@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633000 RB=240@0



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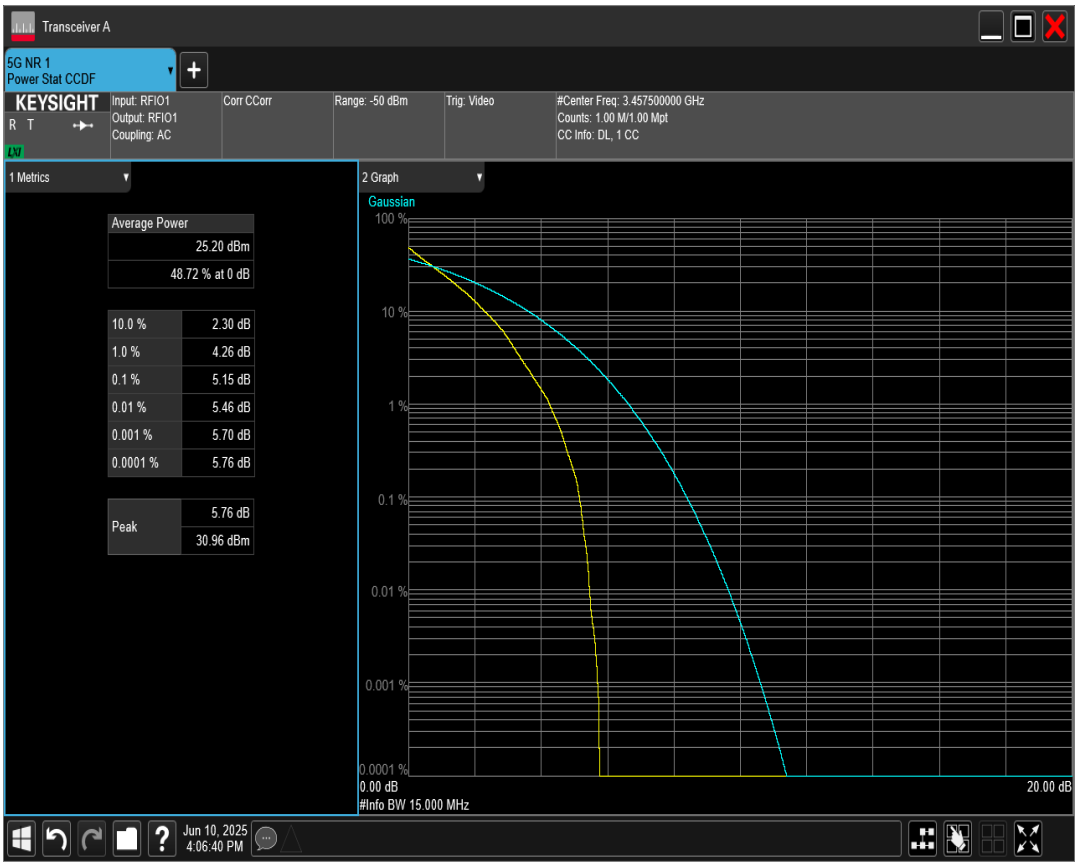
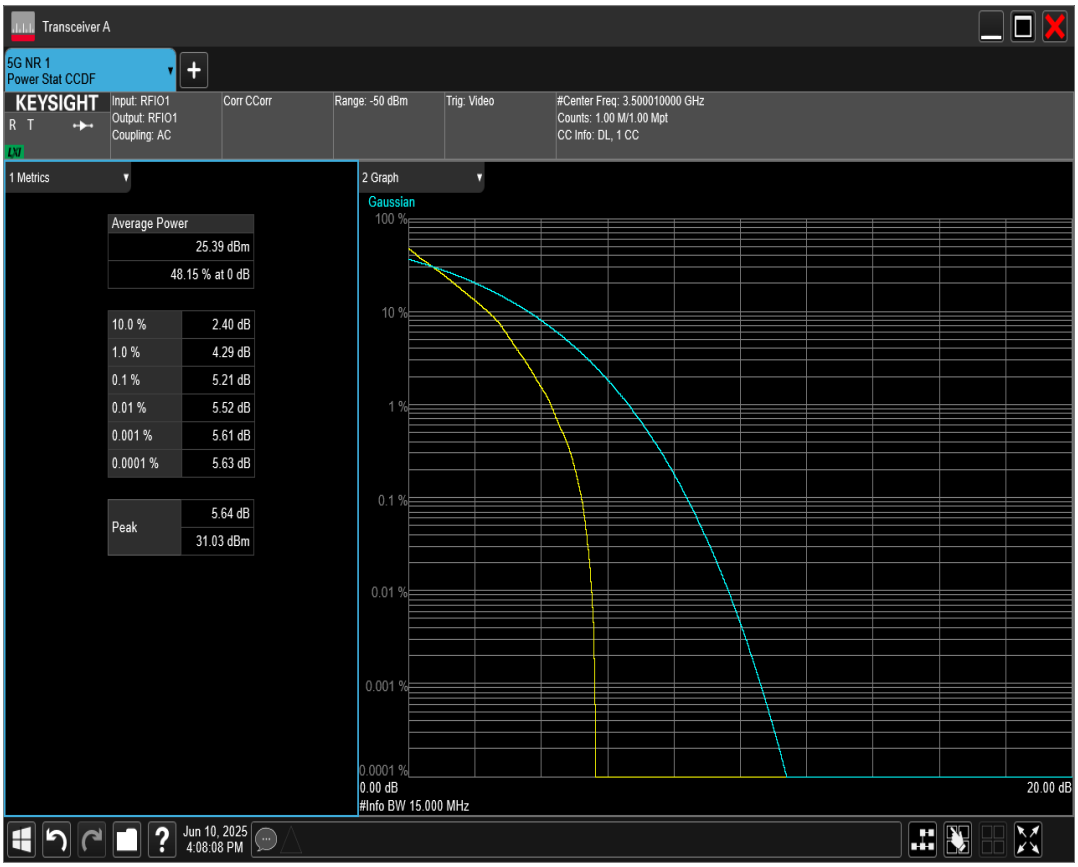


n78(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36@0



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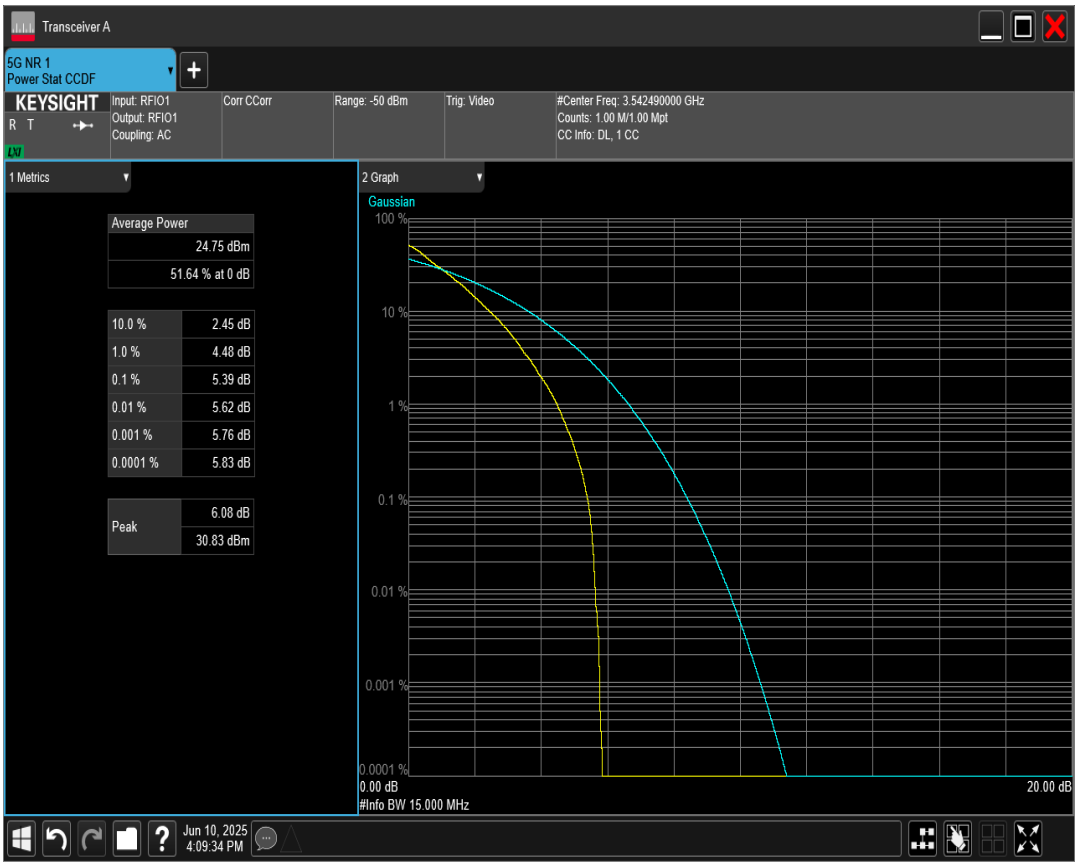
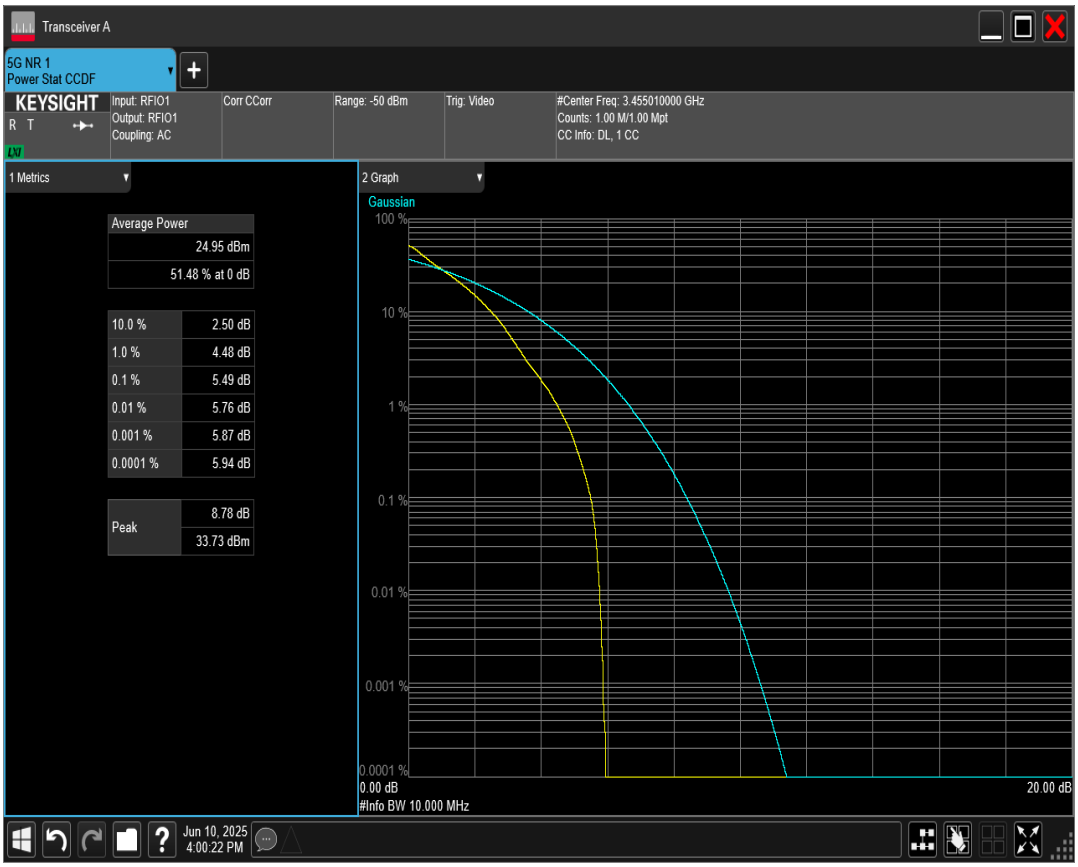


n78(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=630334 RB=24@0



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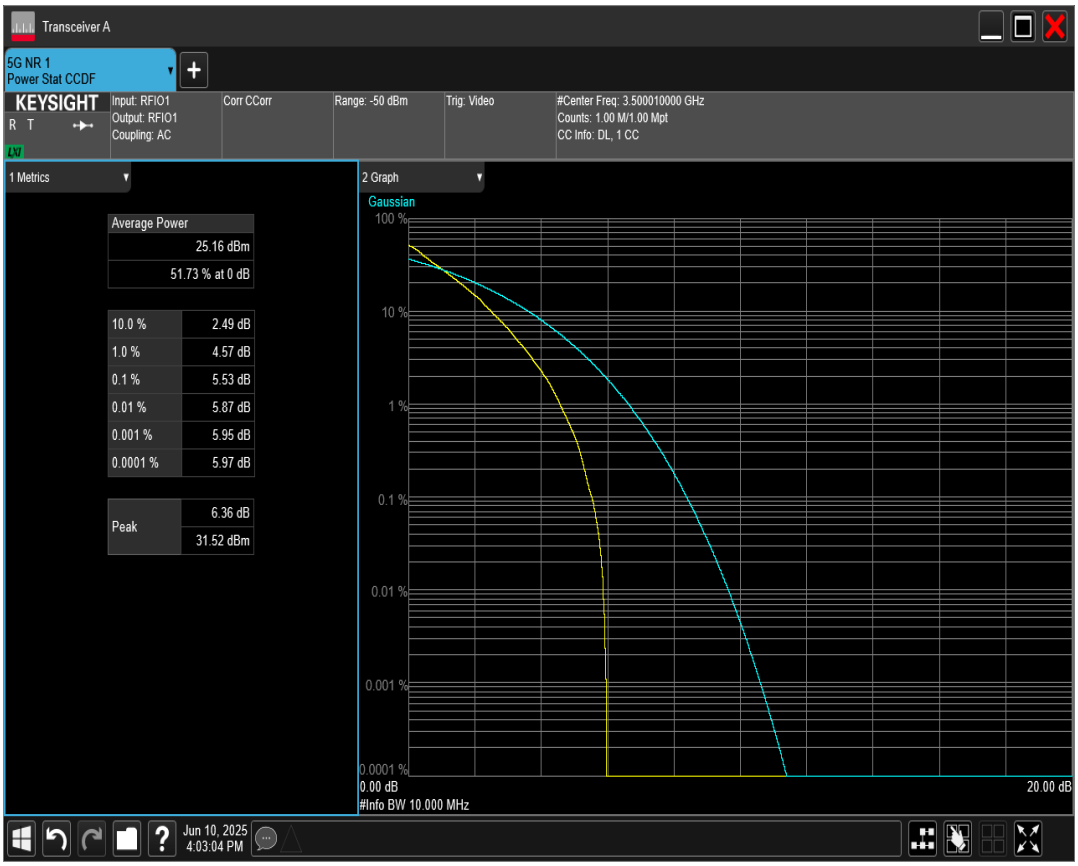

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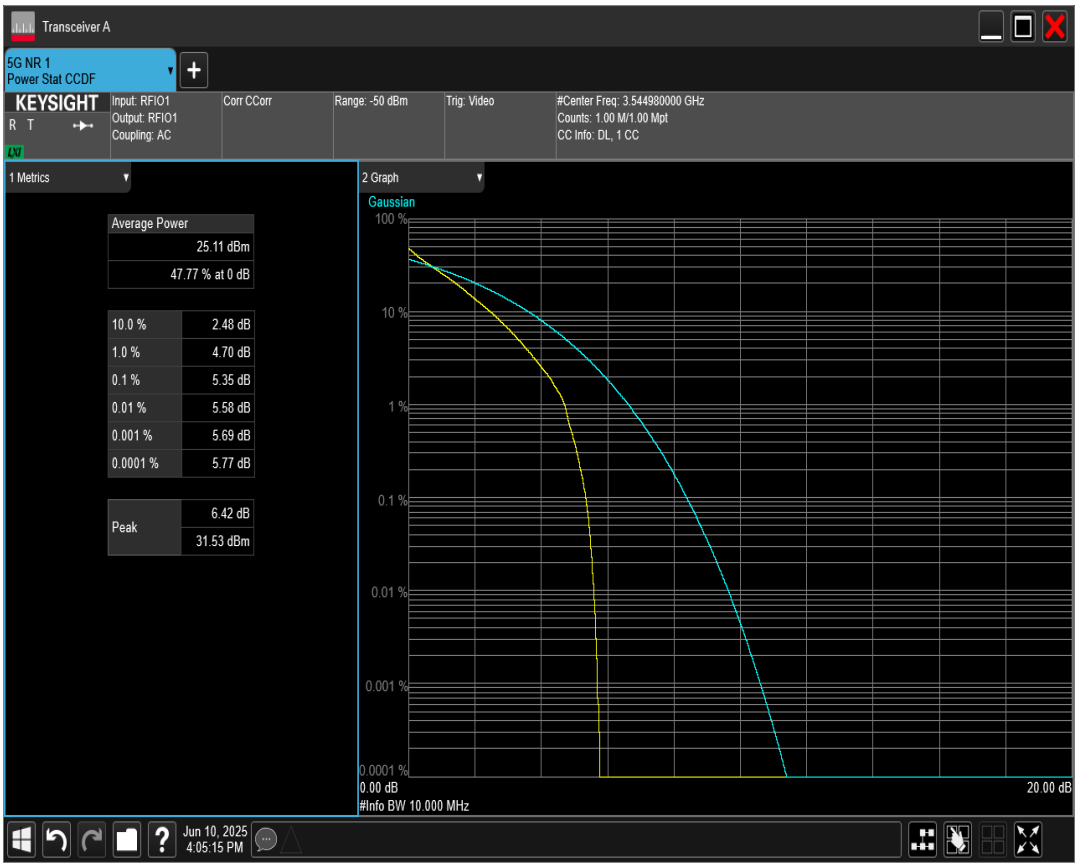
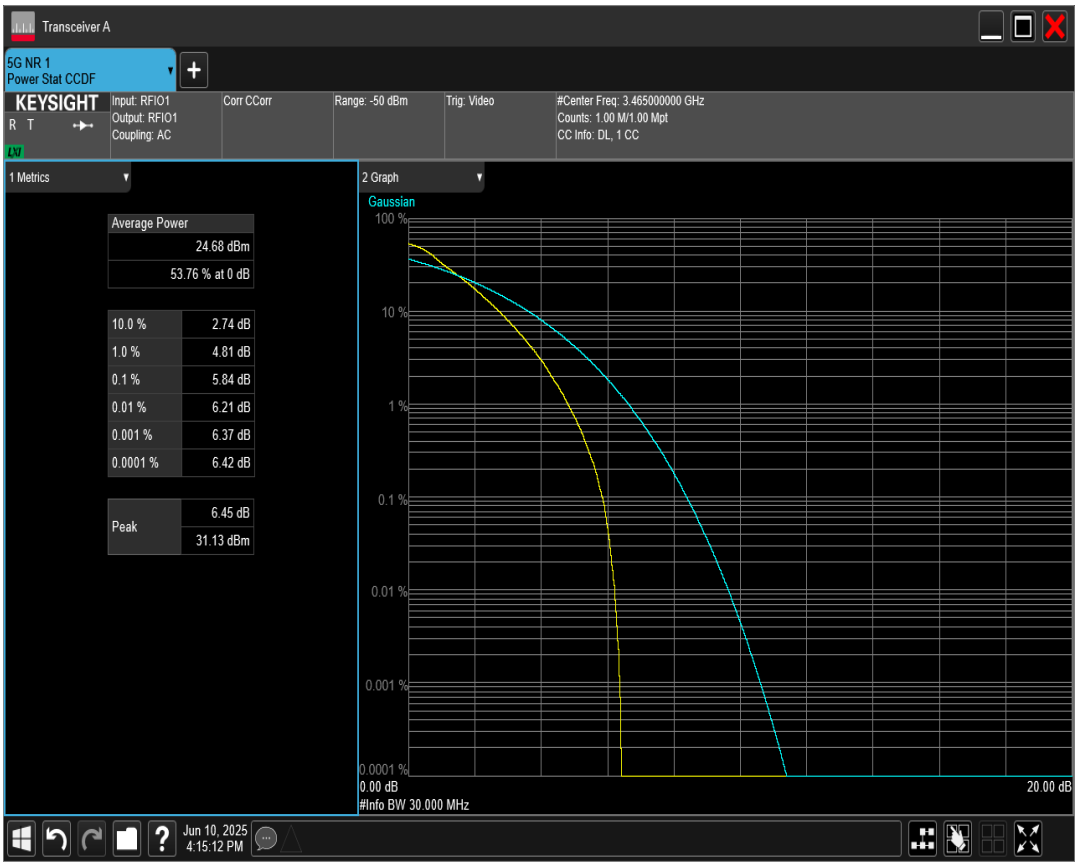
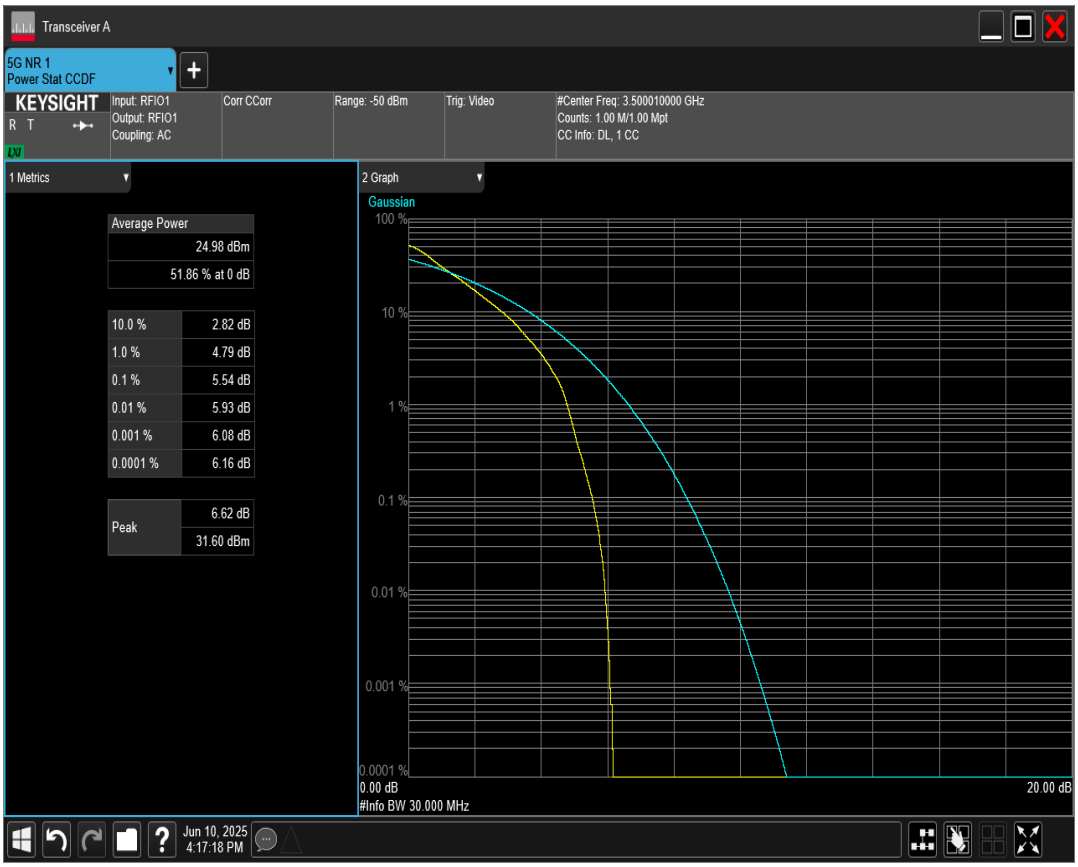


n78(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=631000 RB=75@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75@0



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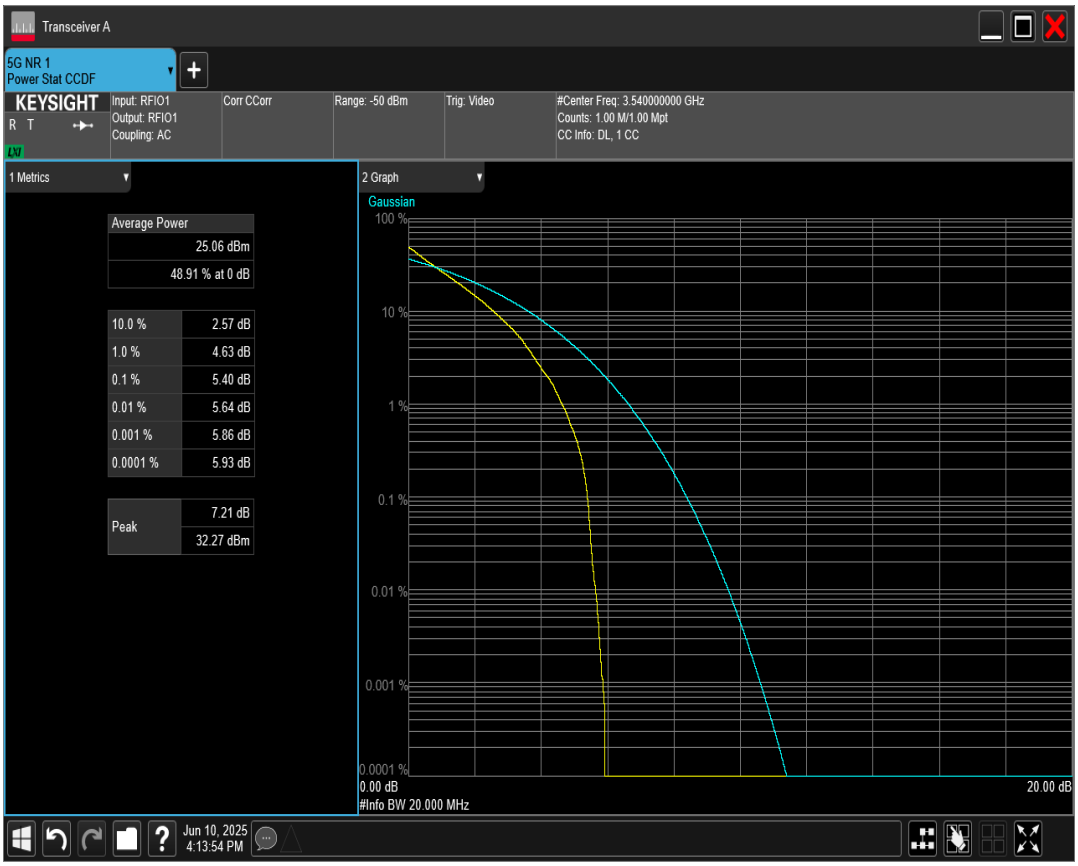

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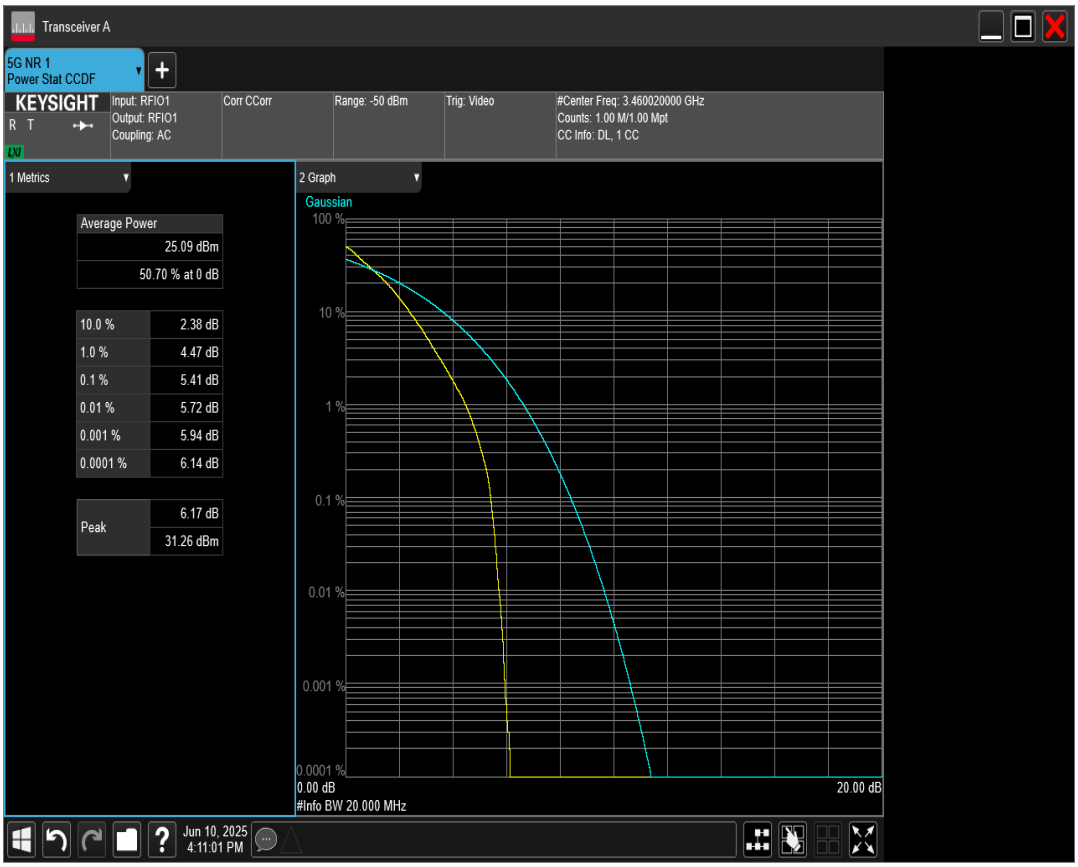
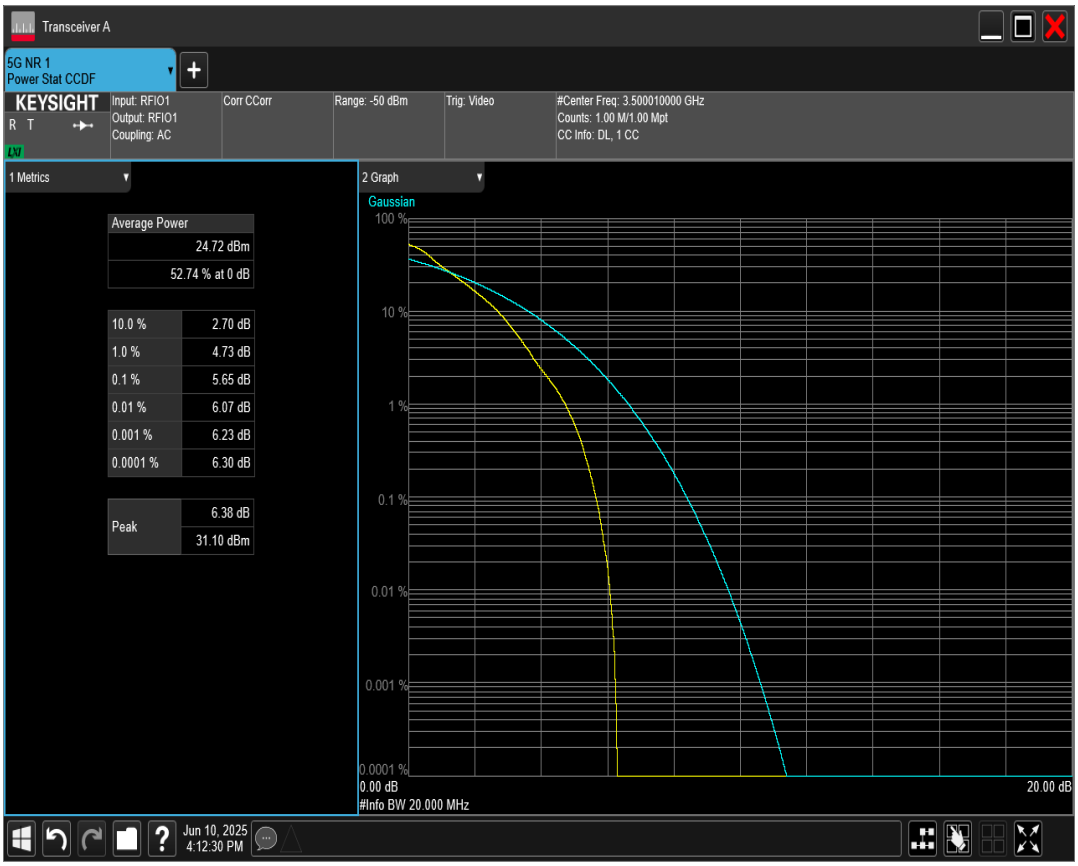
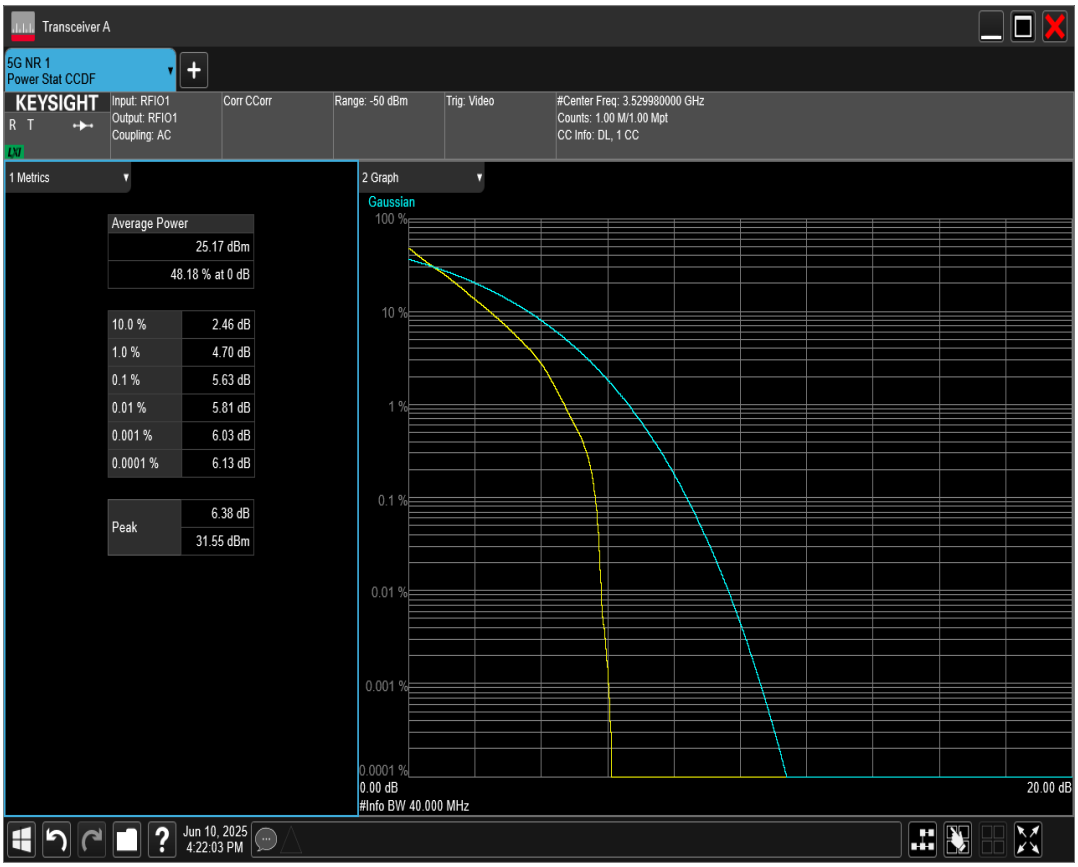


n78(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=633334 RB=50@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=635332 RB=100@0



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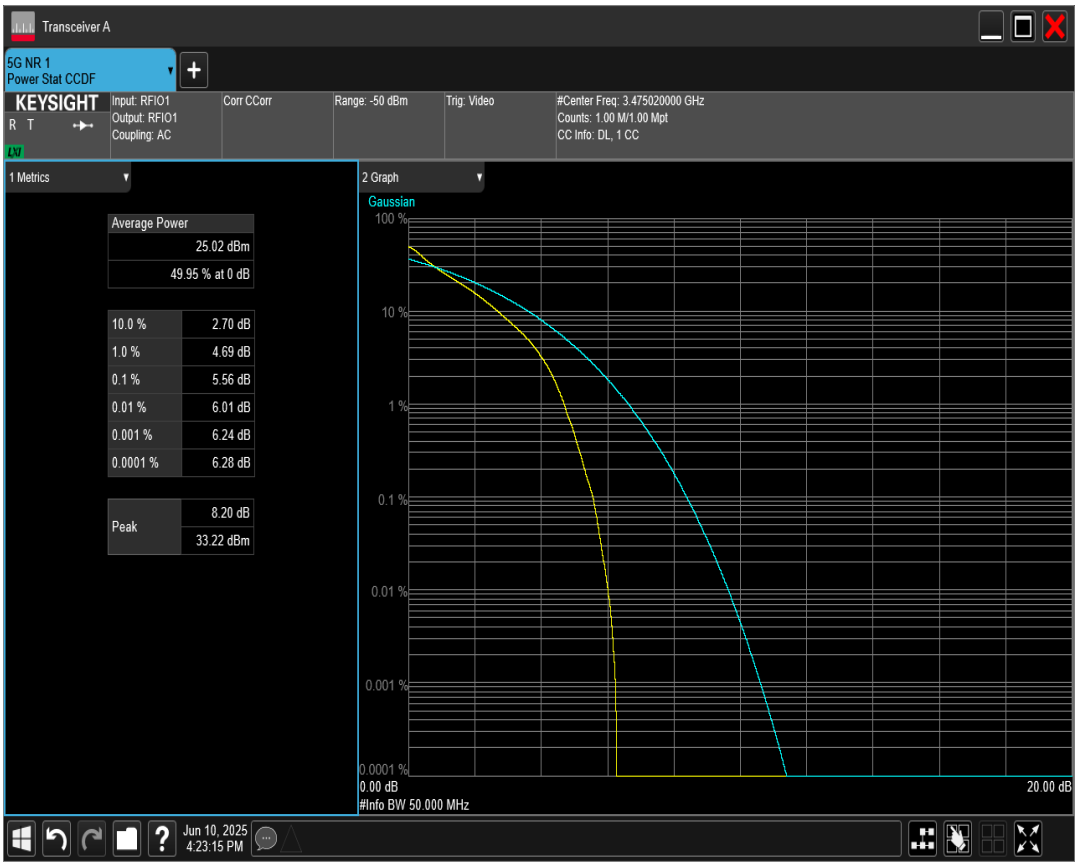
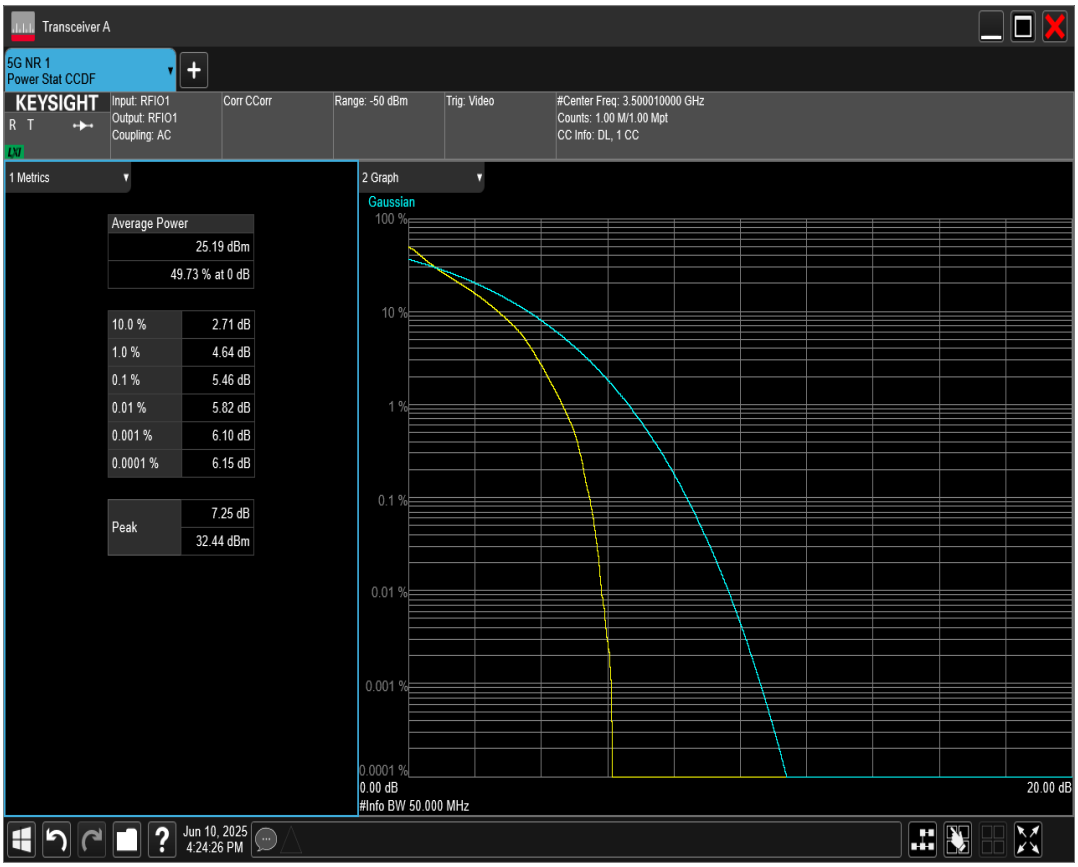
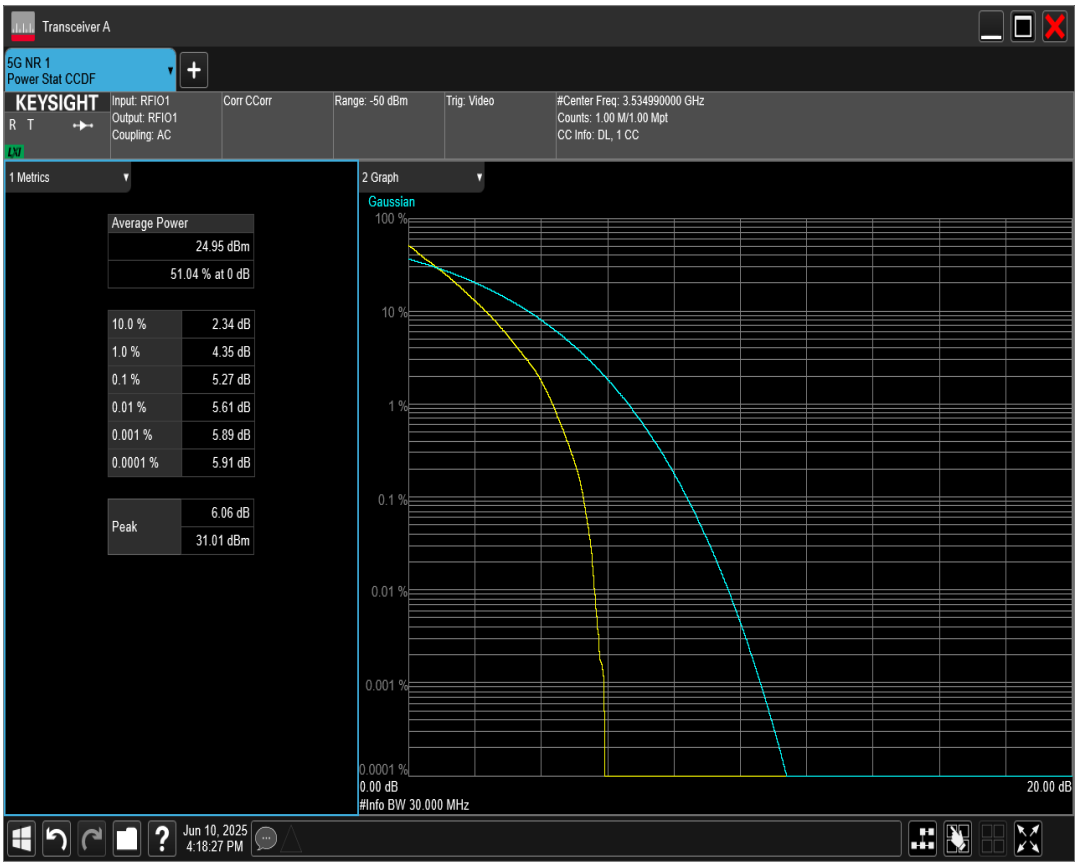


n78(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=635666 RB=75@0



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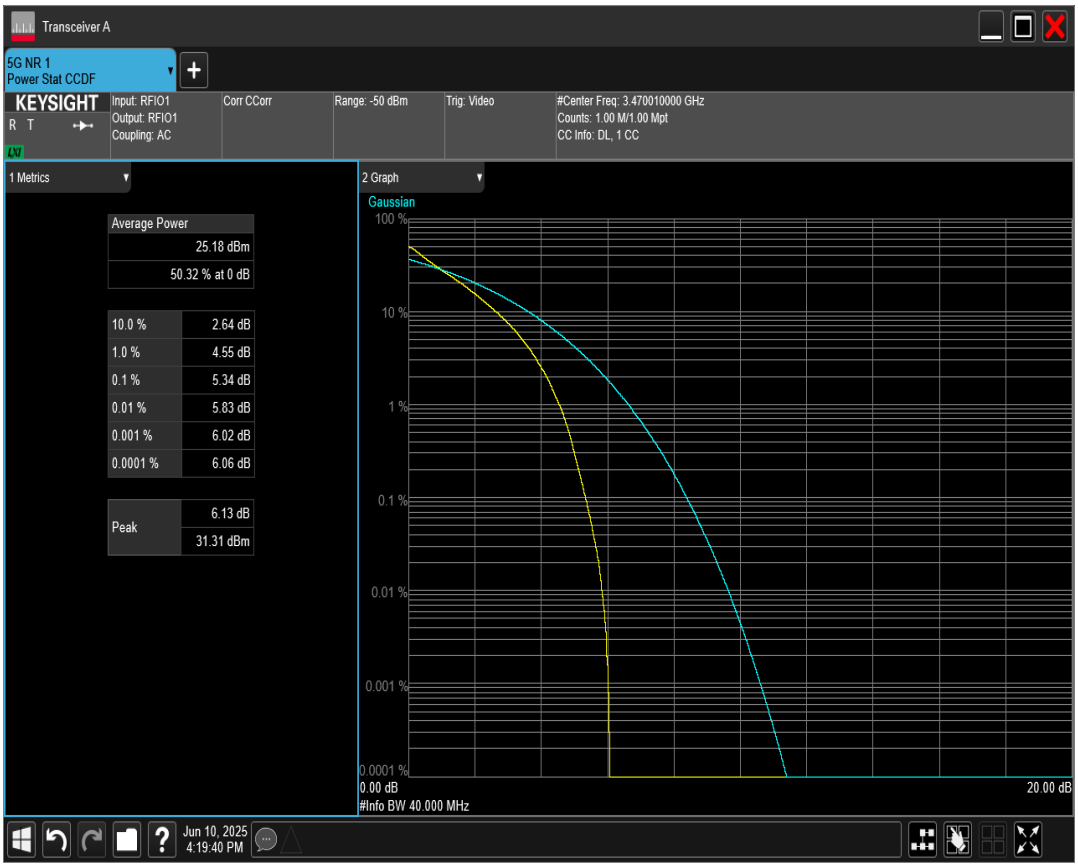
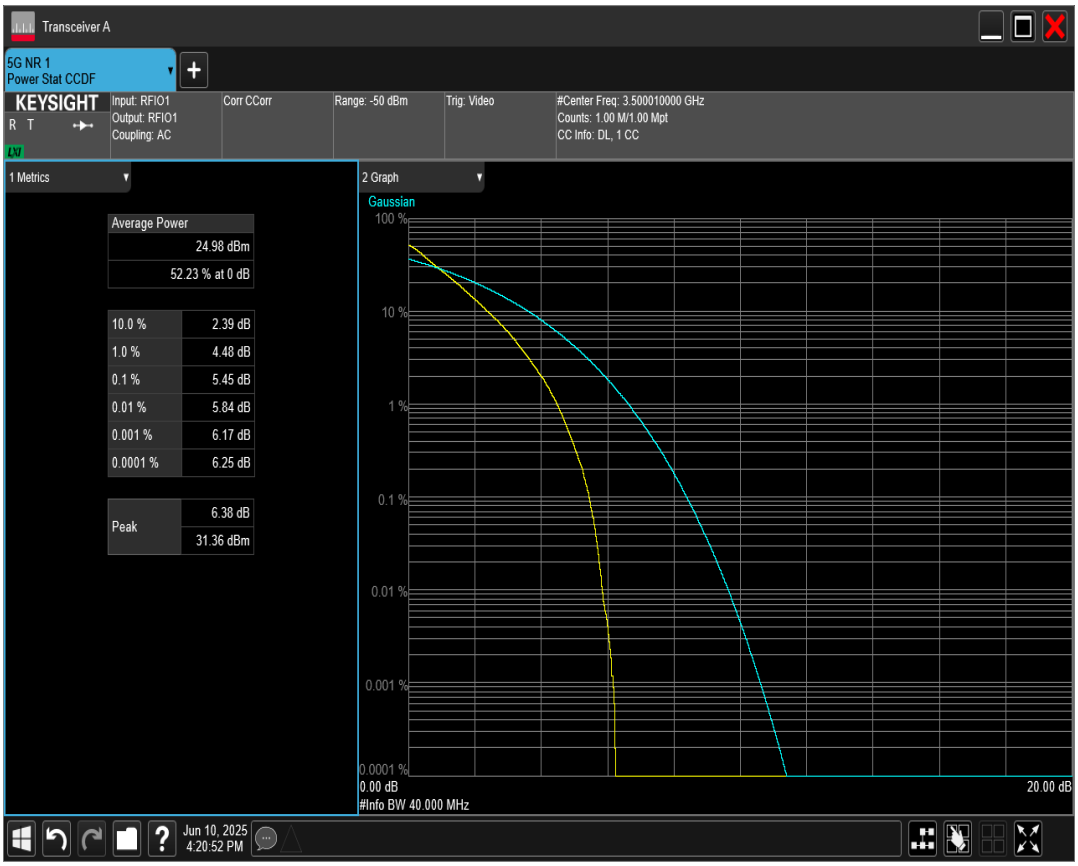
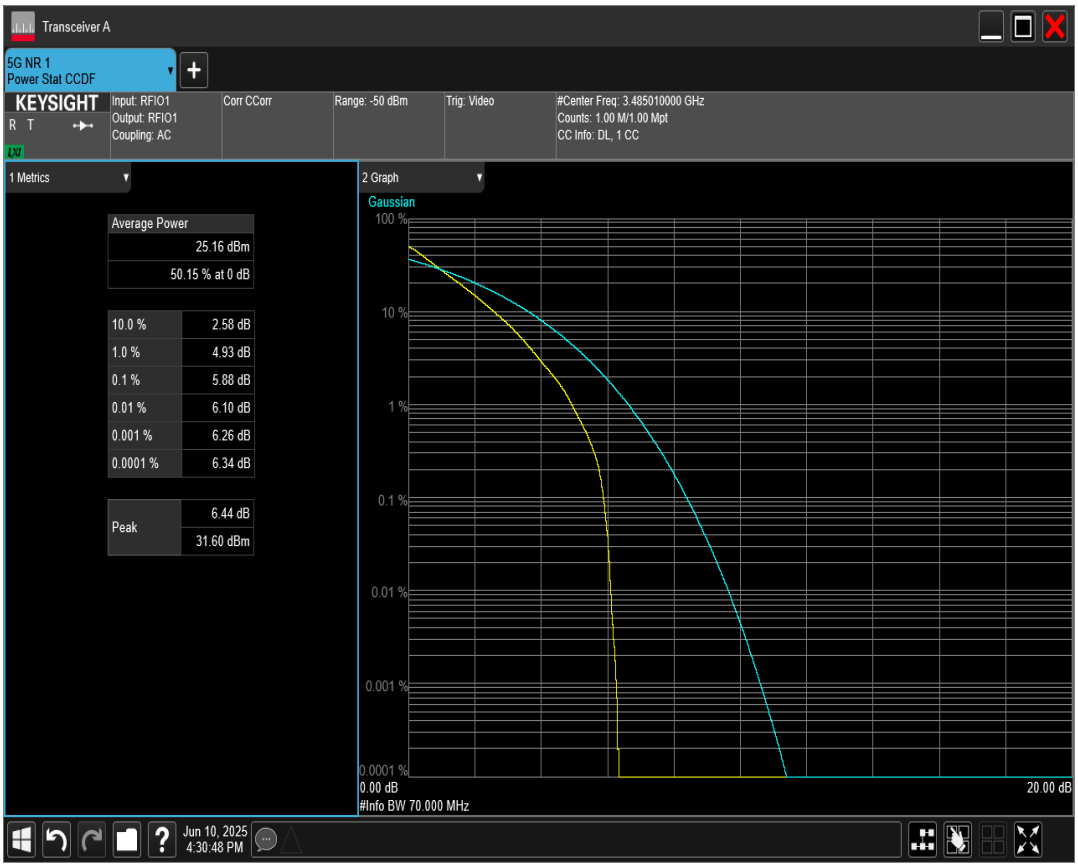


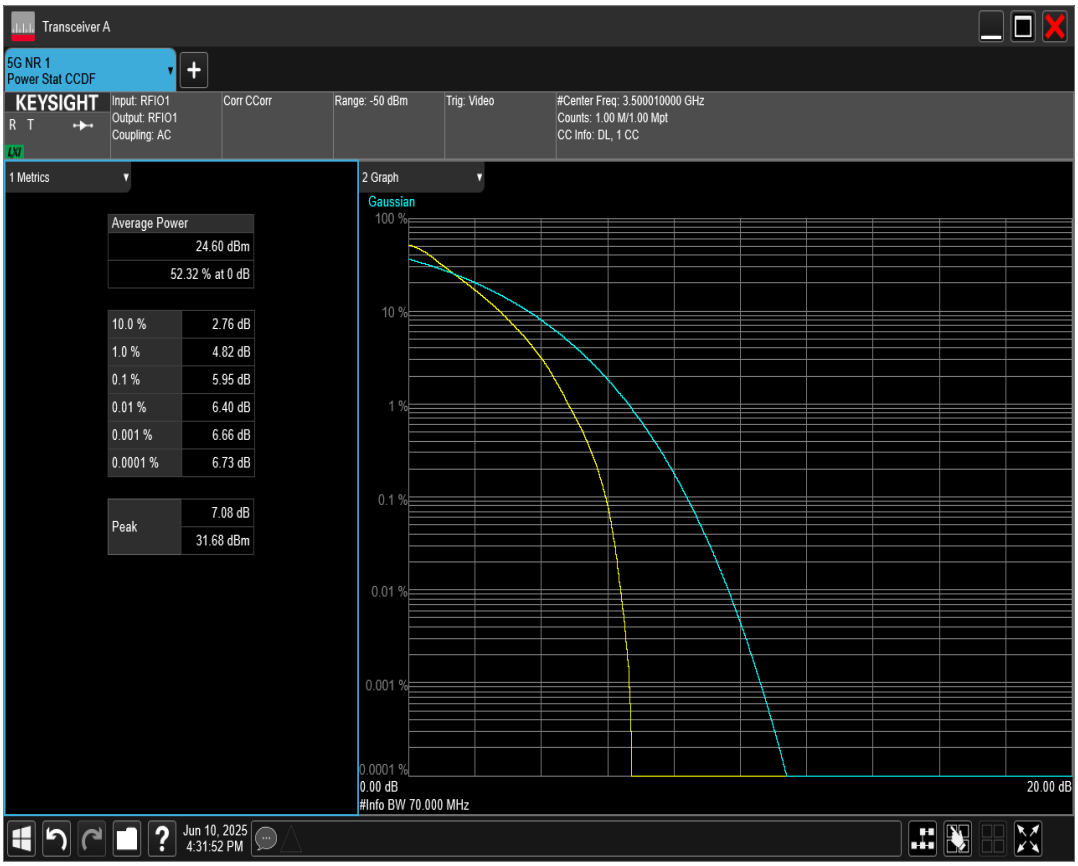
n78(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0



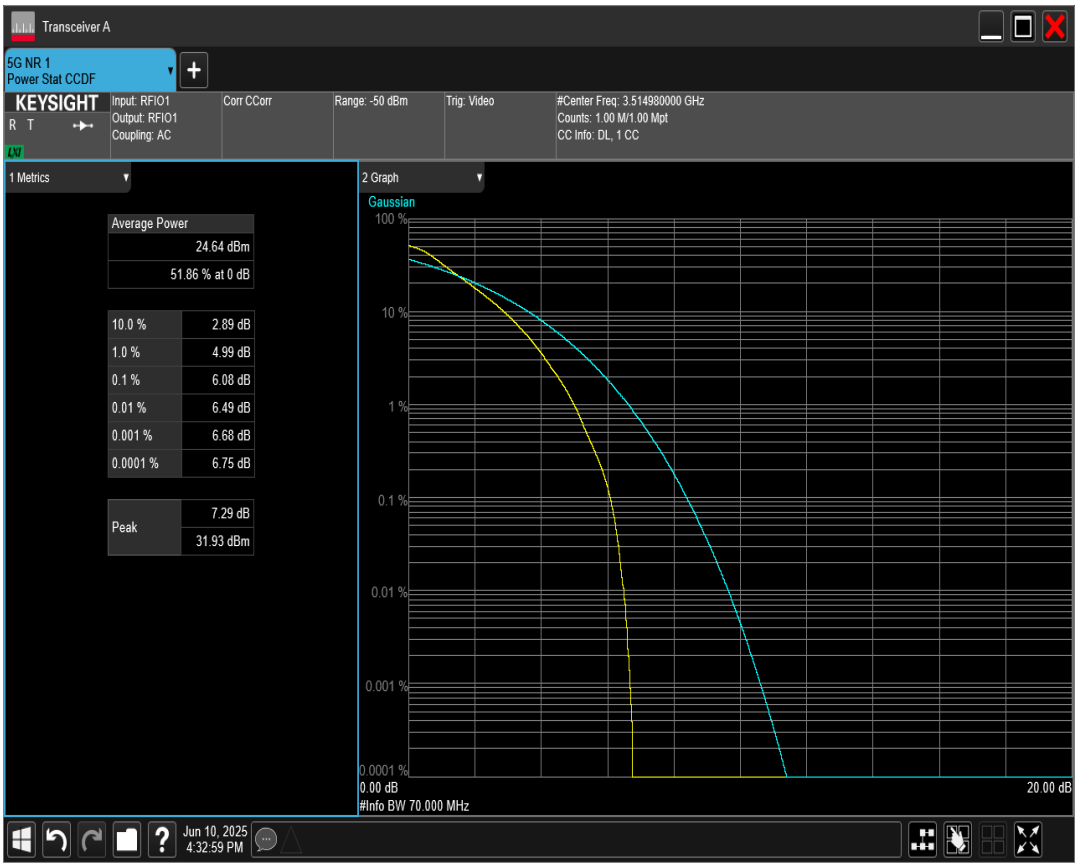
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



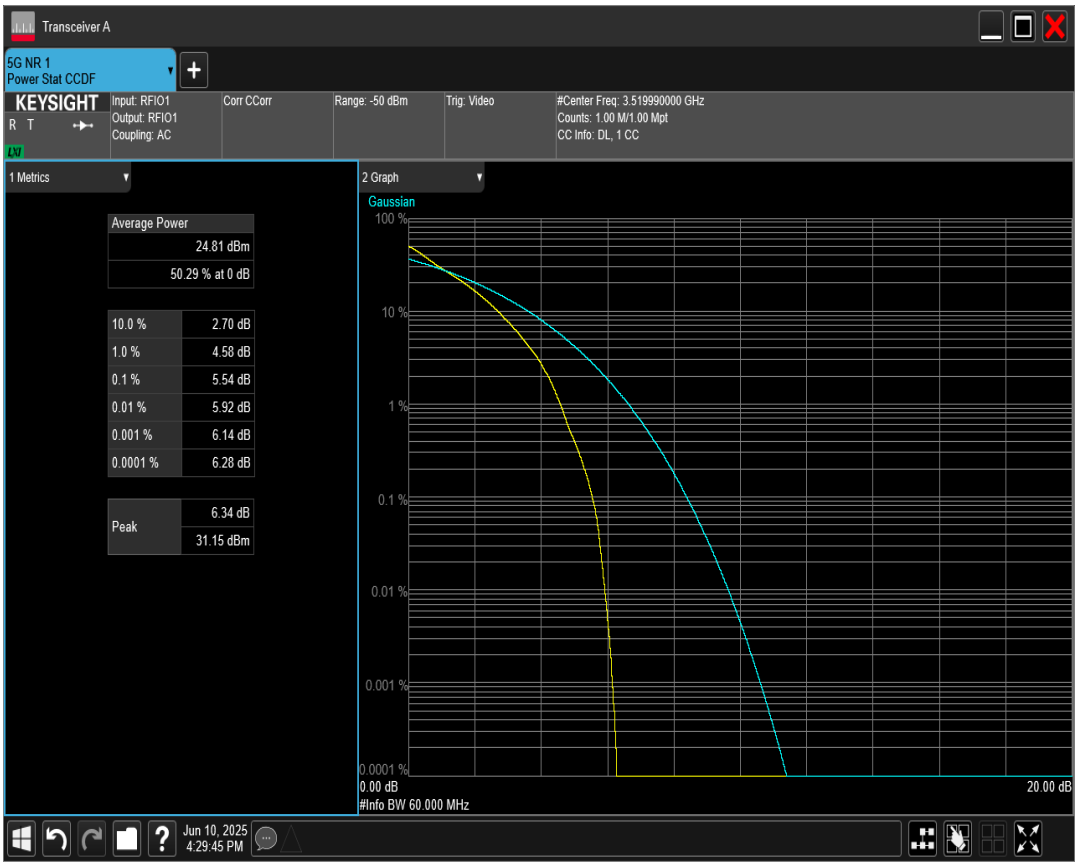
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



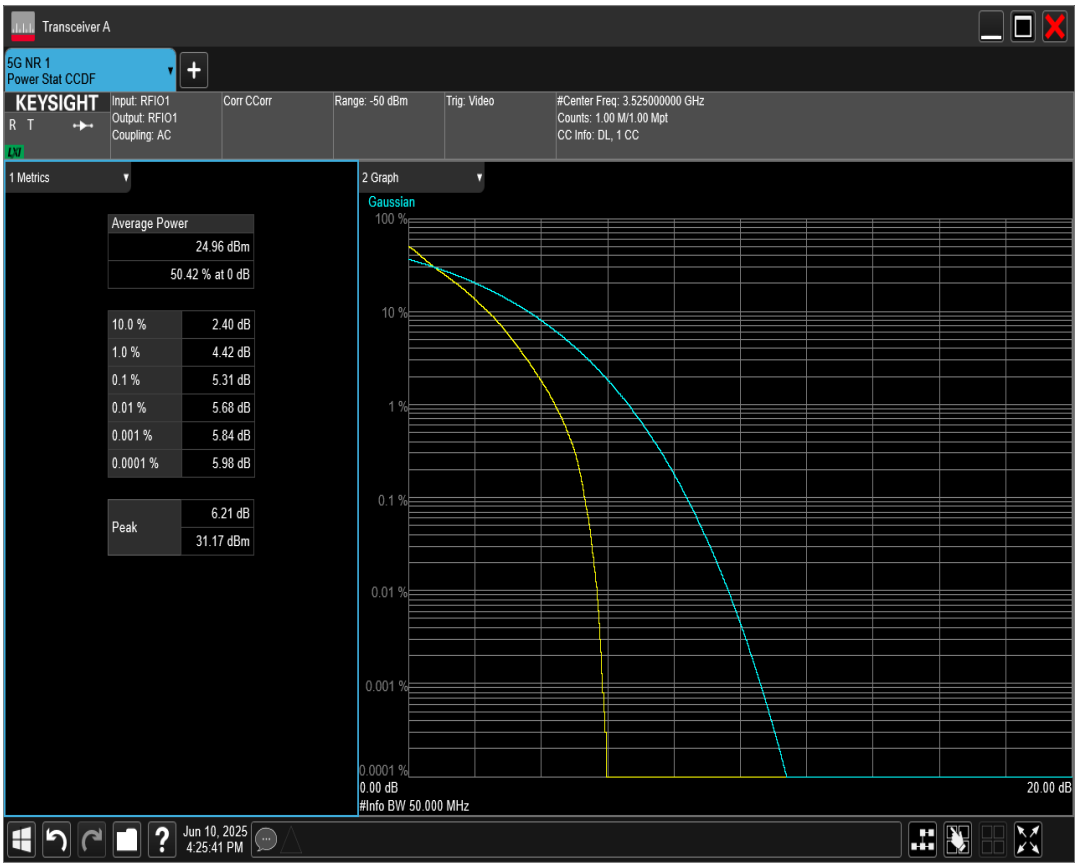
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



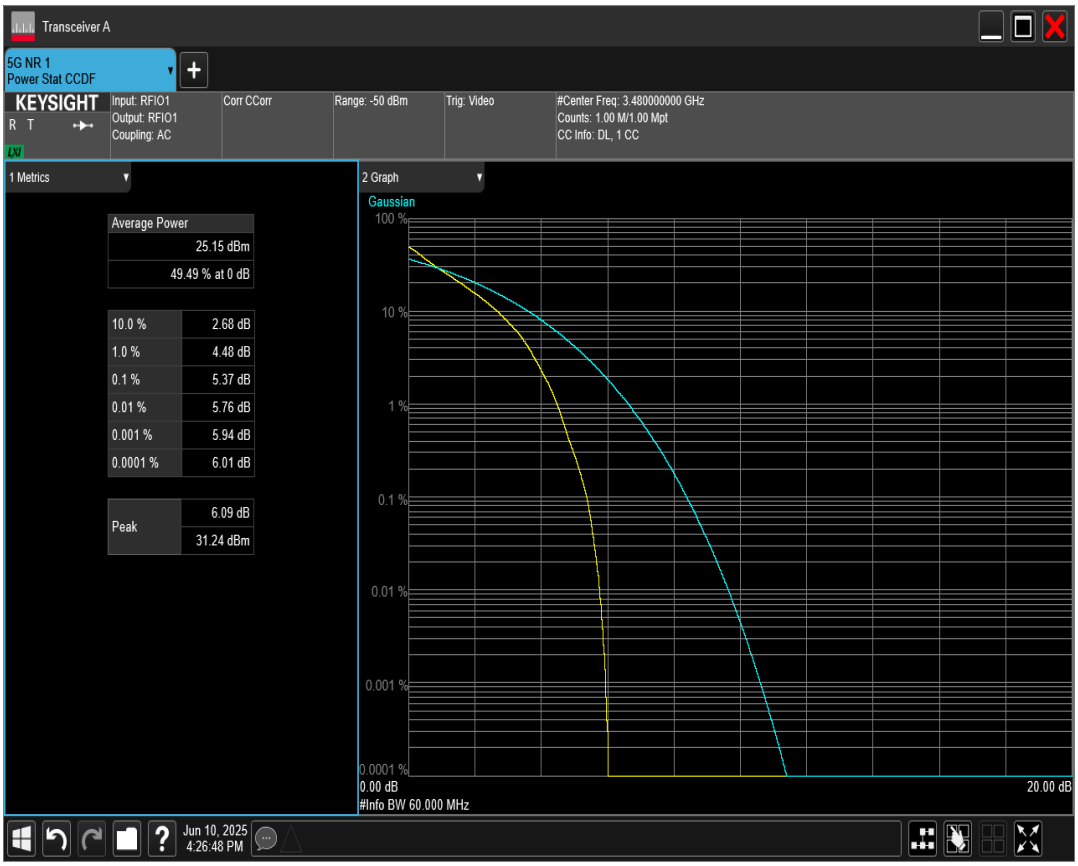
n78(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=634666 RB=162@0



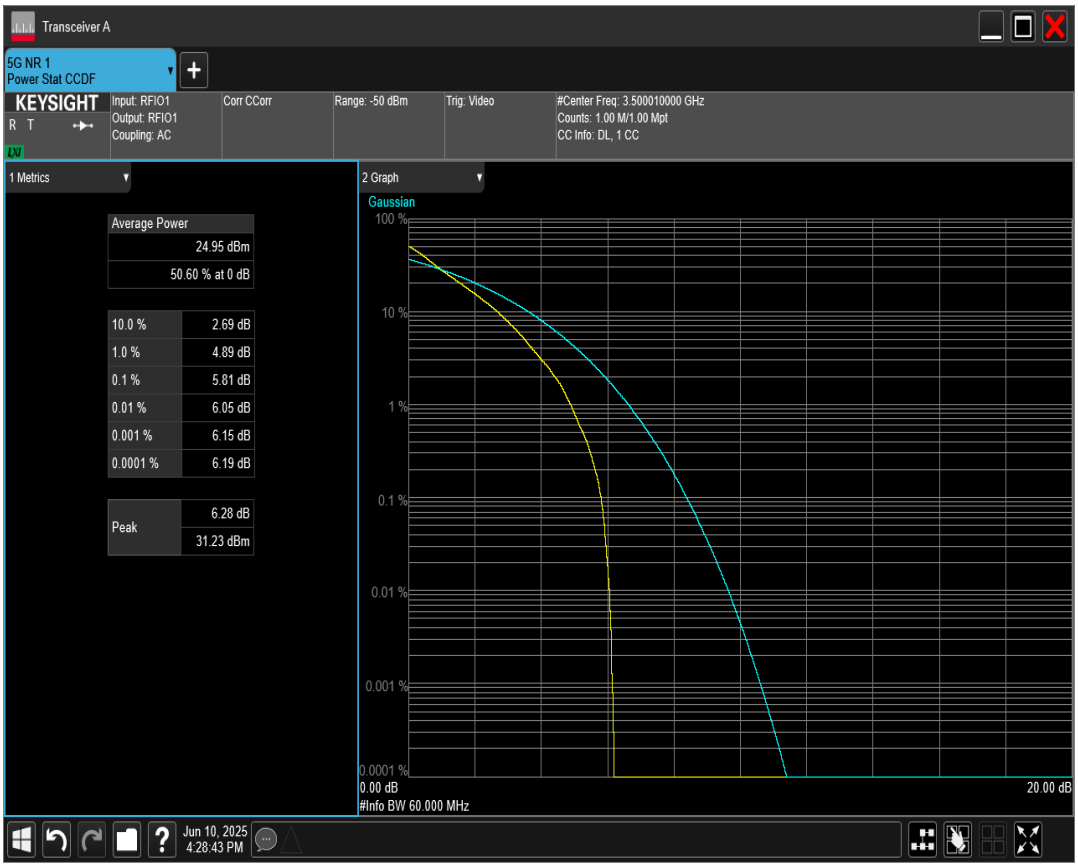
n78(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=635000 RB=128@0



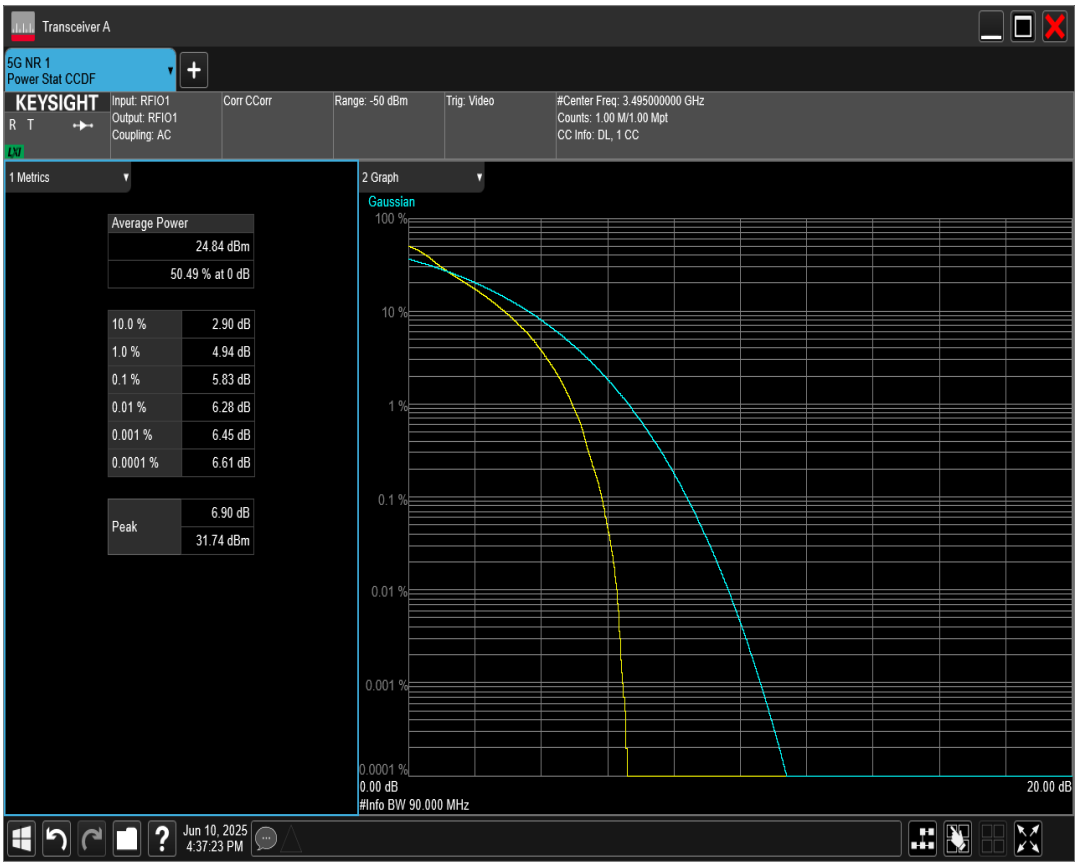
n78(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=632000 RB=162@0



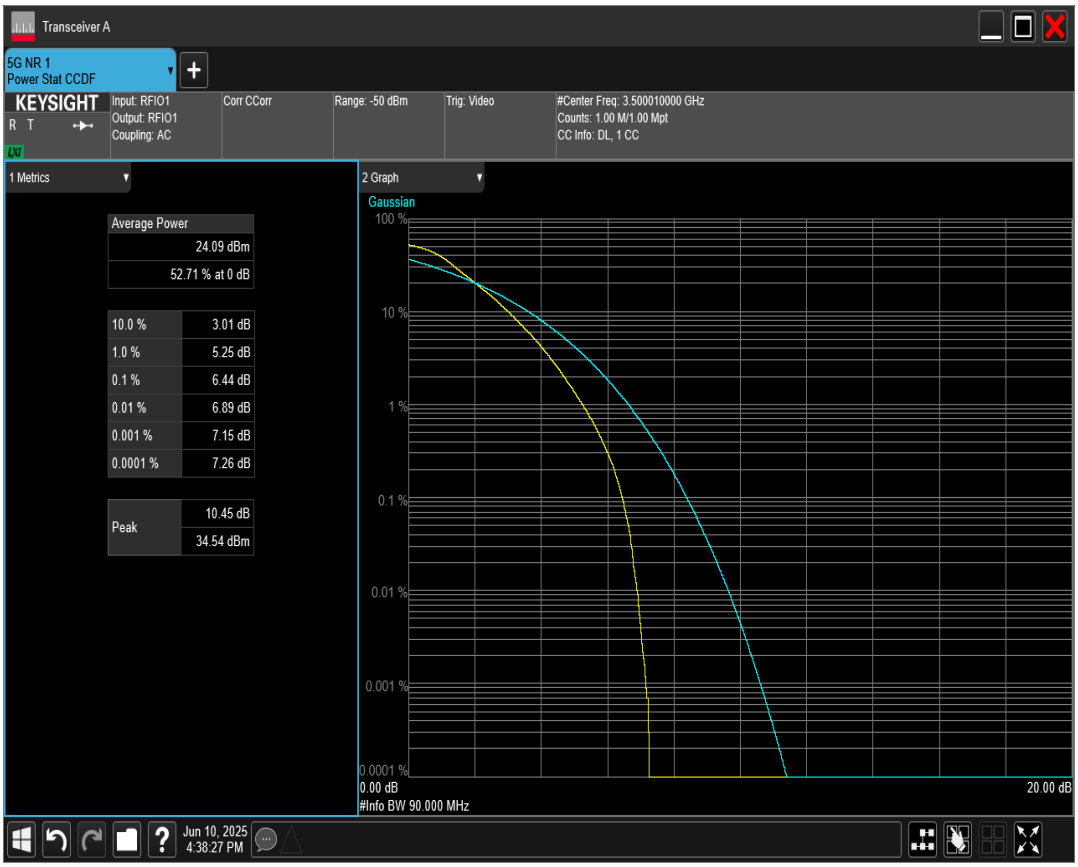
n78(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0



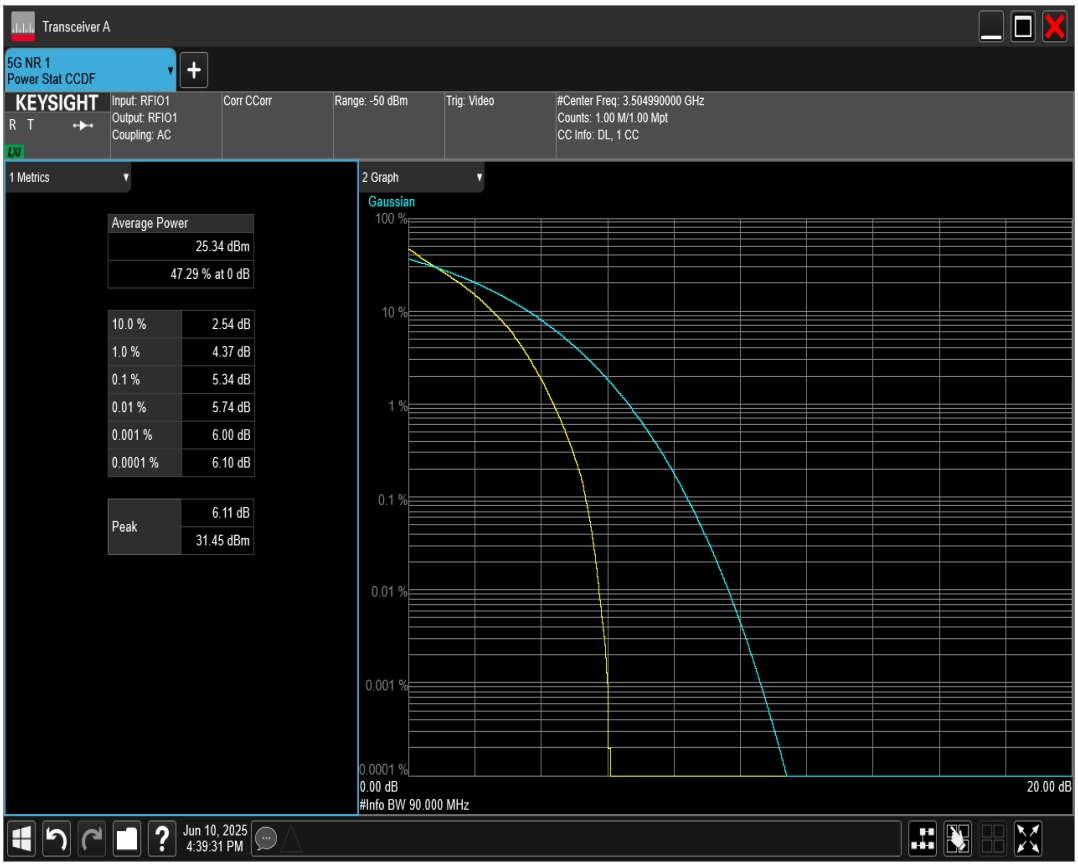
n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633000 RB=240@0



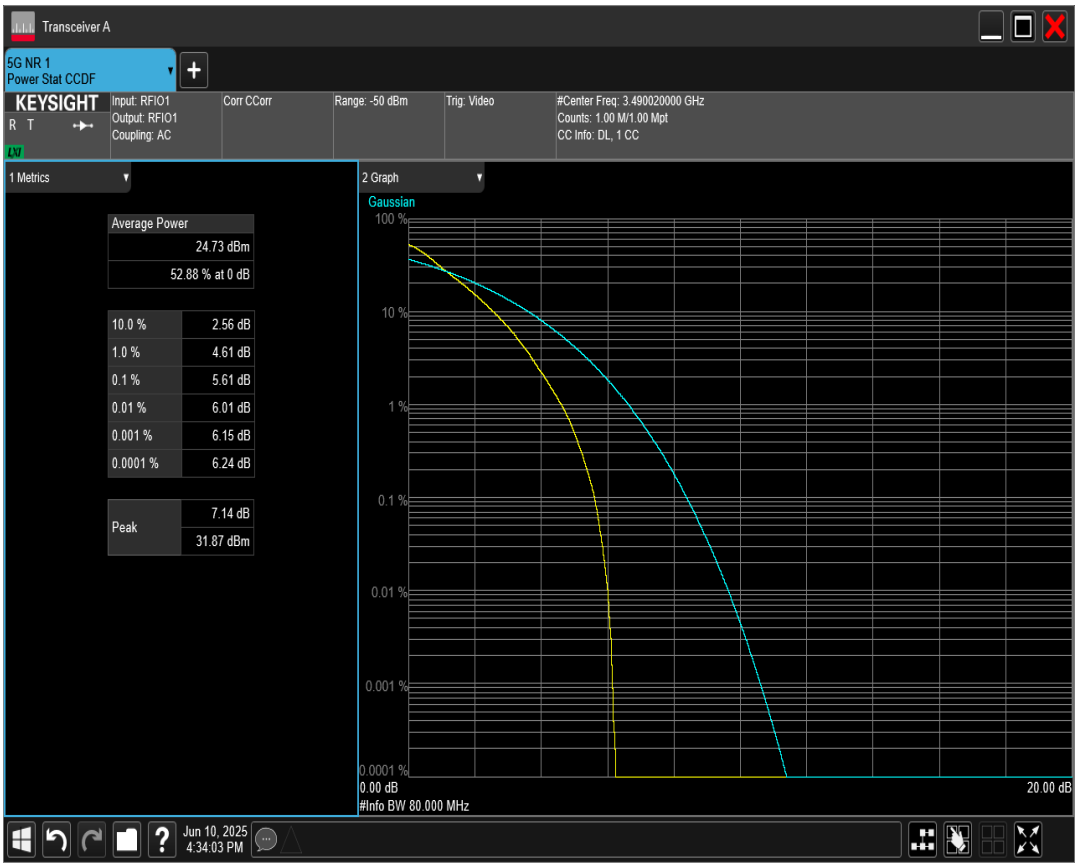
n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0



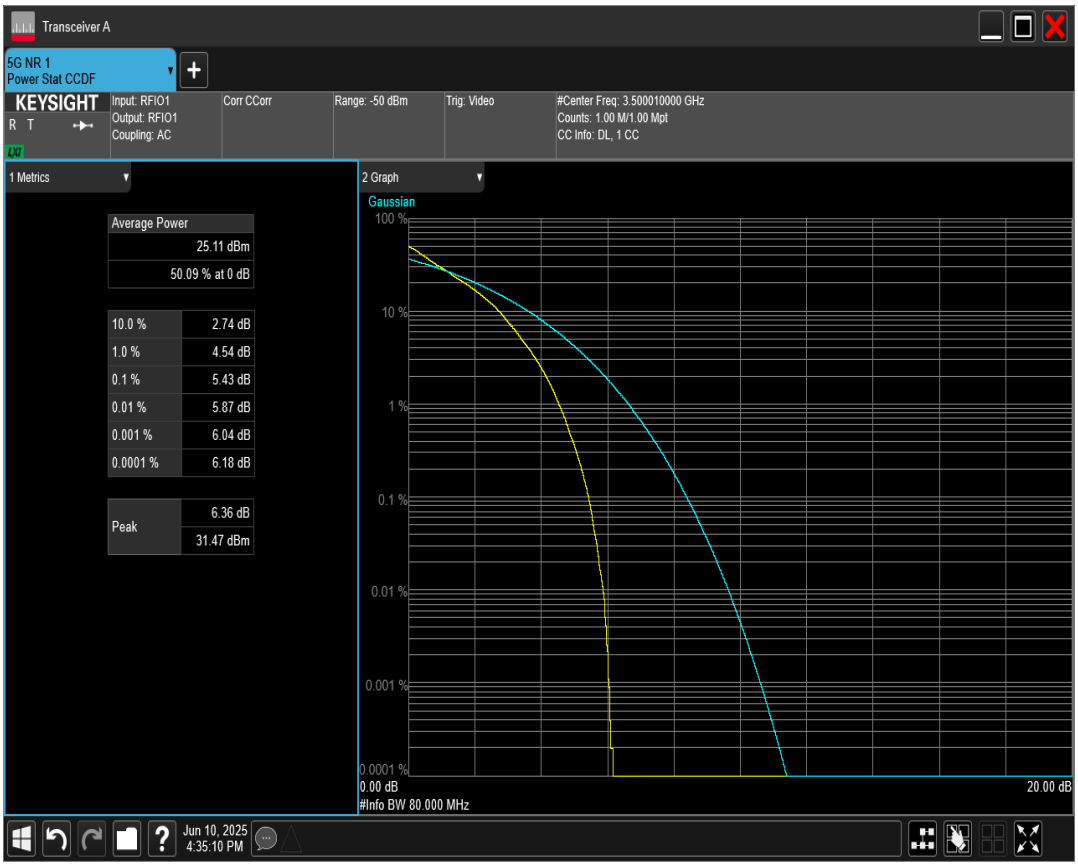
n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633666 RB=240@0



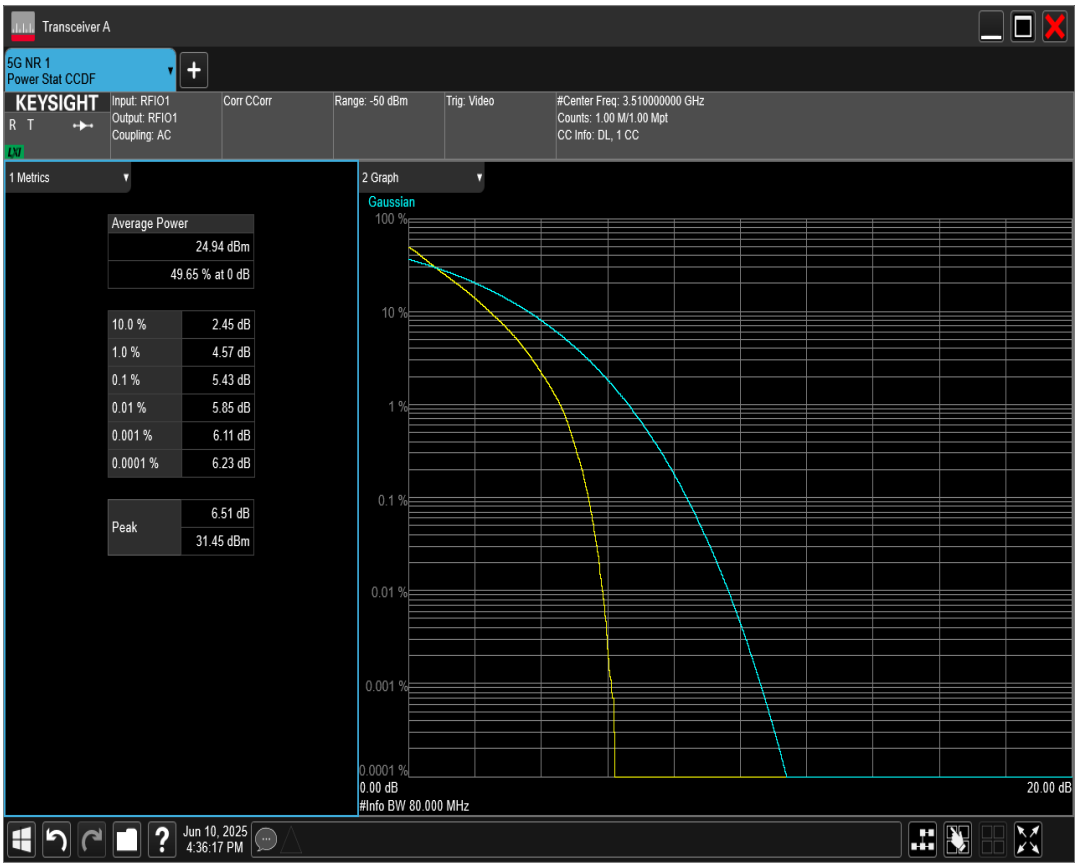
n78(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=632668 RB=216@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=634000 RB=216@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: 3.510000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
24.94 dBm
49.65 % at 0 dB
10.0 % 2.45 dB
1.0 % 4.57 dB
0.1 % 5.43 dB
0.01 % 5.85 dB
0.001 % 6.11 dB
0.0001 % 6.23 dB
Peak 6.51 dB
31.45 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 80.000 MHz
Jun 10, 2025
4:36:17 PM

4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3450-3550)	30	10	633334	24@0	DFT_BPSK	8.550	8.870	PASS
n78(3450-3550)	30	10	633334	24@0	DFT_QPSK	8.580	9.020	PASS
n78(3450-3550)	30	10	633334	24@0	DFT_QAM16	8.560	8.980	PASS
n78(3450-3550)	30	10	633334	24@0	DFT_QAM64	8.550	8.970	PASS
n78(3450-3550)	30	10	633334	24@0	DFT_QAM256	8.540	8.900	PASS
n78(3450-3550)	30	15	633334	36@0	DFT_BPSK	13.460	13.240	PASS
n78(3450-3550)	30	15	633334	36@0	DFT_QPSK	13.450	13.280	PASS
n78(3450-3550)	30	15	633334	36@0	DFT_QAM16	13.480	13.270	PASS
n78(3450-3550)	30	15	633334	36@0	DFT_QAM64	13.410	13.320	PASS
n78(3450-3550)	30	15	633334	36@0	DFT_QAM256	13.510	13.220	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_BPSK	18.000	18.310	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_QPSK	18.010	18.350	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_QAM16	18.040	18.330	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_QAM64	17.980	18.270	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_QAM256	17.960	18.280	PASS
n78(3450-3550)	30	30	633334	75@0	DFT_BPSK	27.690	27.290	PASS
n78(3450-3550)	30	30	633334	75@0	DFT_QPSK	27.530	27.520	PASS
n78(3450-3550)	30	30	633334	75@0	DFT_QAM16	27.580	27.310	PASS
n78(3450-3550)	30	30	633334	75@0	DFT_QAM64	27.490	27.320	PASS
n78(3450-3550)	30	30	633334	75@0	DFT_QAM256	27.530	27.390	PASS
n78(3450-3550)	30	40	633334	100@0	DFT_BPSK	37.570	36.330	PASS
n78(3450-3550)	30	40	633334	100@0	DFT_QPSK	37.560	36.340	PASS
n78(3450-3550)	30	40	633334	100@0	DFT_QAM16	37.460	36.370	PASS
n78(3450-3550)	30	40	633334	100@0	DFT_QAM64	37.500	36.450	PASS
n78(3450-3550)	30	40	633334	100@0	DFT_QAM256	37.500	36.440	PASS
n78(3450-3550)	30	50	633334	128@0	DFT_BPSK	46.970	46.410	PASS
n78(3450-3550)	30	50	633334	128@0	DFT_QPSK	46.970	46.350	PASS
n78(3450-3550)	30	50	633334	128@0	DFT_QAM16	46.900	46.410	PASS
n78(3450-3550)	30	50	633334	128@0	DFT_QAM64	47.010	46.350	PASS
n78(3450-3550)	30	50	633334	128@0	DFT_QAM256	47.020	46.380	PASS
n78(3450-3550)	30	60	633334	162@0	DFT_BPSK	57.700	58.570	PASS
n78(3450-3550)	30	60	633334	162@0	DFT_QPSK	57.700	58.570	PASS
n78(3450-3550)	30	60	633334	162@0	DFT_QAM16	57.630	58.620	PASS
n78(3450-3550)	30	60	633334	162@0	DFT_QAM64	57.700	58.530	PASS
n78(3450-3550)	30	60	633334	162@0	DFT_QAM256	57.770	58.660	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	66.570	65.080	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	66.830	65.110	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	66.740	65.080	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	66.750	65.010	PASS

n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	66.650	65.070	PASS
n78(3450-3550)	30	80	633334	216@0	DFT_BPSK	76.930	78.180	PASS
n78(3450-3550)	30	80	633334	216@0	DFT_QPSK	76.910	78.150	PASS
n78(3450-3550)	30	80	633334	216@0	DFT_QAM16	76.930	78.040	PASS
n78(3450-3550)	30	80	633334	216@0	DFT_QAM64	76.920	77.990	PASS
n78(3450-3550)	30	80	633334	216@0	DFT_QAM256	76.960	78.020	PASS
n78(3450-3550)	30	90	633334	240@0	DFT_BPSK	86.550	86.750	PASS
n78(3450-3550)	30	90	633334	240@0	DFT_QPSK	86.430	86.670	PASS
n78(3450-3550)	30	90	633334	240@0	DFT_QAM16	86.450	86.660	PASS
n78(3450-3550)	30	90	633334	240@0	DFT_QAM64	86.460	86.640	PASS
n78(3450-3550)	30	90	633334	240@0	DFT_QAM256	86.650	86.690	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_BPSK	96.310	97.540	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	96.320	97.660	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QAM16	96.310	97.580	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QAM64	96.190	97.560	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QAM256	96.320	97.510	PASS

n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz Channel=633334 RB=50@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=30MHz Channel=633334 RB=75@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz Channel=633334 RB=100@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=240@0

n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=100MHz Channel=633334 RB=270@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=10MHz Channel=633334 RB=24@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=15MHz Channel=633334 RB=36@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=30MHz Channel=633334 RB=75@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=20MHz Channel=633334 RB=50@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=40MHz Channel=633334 RB=100@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=60MHz Channel=633334 RB=162@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=50MHz Channel=633334 RB=128@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=90MHz Channel=633334 RB=240@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=80MHz Channel=633334 RB=216@0

n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=633334 RB=180@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=10MHz Channel=633334 RB=24@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=100MHz Channel=633334 RB=270@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=15MHz Channel=633334 RB=36@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=20MHz Channel=633334 RB=50@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=40MHz Channel=633334 RB=100@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=30MHz Channel=633334 RB=75@0