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
Band7	15	5	20775	1@0	QPSK	6.98			
n7	15	5	500500	1@0	DFT_BPSK	21.56			
Sum	15					21.70	19	26	PASS
Band7	15	5	21100	8@0	QPSK	4.40			
n7	15	5	507000	12@6	DFT_BPSK	19.12			
Sum	15					19.26	19	26	PASS
Band7	15	5	21100	8@0	QPSK	7.43			
n7	15	5	507000	12@6	DFT_QPSK	22.13			
Sum	15					22.27	19	26	PASS
Band7	15	5	21425	1@17	QPSK	-35.91			
n7	15	5	513500	1@24	DFT_BPSK	21.70			
Sum	15					21.70	19	26	PASS
Band7	15	5	21425	8@17	QPSK	-37.32			
n7	15	5	513500	12@6	DFT_BPSK	21.73			
Sum	15					21.73	19	26	PASS
Band7	15	5	21425	1@17	QPSK	-48.83			
n7	15	5	513500	1@24	DFT_QPSK	21.87			
Sum	15					21.87	19	26	PASS
Band7	15	5	21425	8@17	QPSK	-48.91			
n7	15	5	513500	12@6	DFT_QPSK	21.72			
Sum	15					21.72	19	26	PASS
Band7	15	20	20850	1@0	QPSK	7.13			
n7	15	20	502000	1@0	DFT_BPSK	21.41			
Sum	15					21.56	19	26	PASS
Band7	15	20	21100	18@0	QPSK	7.43			
n7	15	20	507000	50@25	DFT_BPSK	22.13			
Sum	15					22.27	19	26	PASS
Band7	15	20	21100	18@0	QPSK	7.43			
n7	15	20	507000	50@25	DFT_QPSK	22.13			
Sum	15					22.27	19	26	PASS
Band7	15	20	21350	1@72	QPSK	7.13			
n7	15	20	512000	1@105	DFT_BPSK	22.13			
Sum	15					22.26	19	26	PASS
Band7	15	20	21350	18@72	QPSK	6.76			
n7	15	20	512000	50@25	DFT_BPSK	22.53			
Sum	15					22.64	19	26	PASS
Band7	15	20	21350	1@72	QPSK	7.03			
n7	15	20	512000	1@105	DFT_QPSK	22.27			

Sum	15					22.39	19	26	PASS
Band7	15	20	21350	18@72	QPSK	6.72			
n7	15	20	512000	50@25	DFT_QPSK	22.51			
Sum	15					22.62	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
n7	15	5	500500	12@6	DFT_BPSK	-1.68	-0.00067	-2.5	2.5	PASS
n7	15	5	500500	1@1	DFT_BPSK	-2.74	-0.00109	-2.5	2.5	PASS
n7	15	5	500500	1@23	DFT_BPSK	-3.45	-0.00138	-2.5	2.5	PASS
n7	15	5	500500	12@6	DFT_QPSK	-3.53	-0.00141	-2.5	2.5	PASS
n7	15	5	500500	1@1	DFT_QPSK	-2.49	-0.00100	-2.5	2.5	PASS
n7	15	5	500500	1@23	DFT_QPSK	-2.44	-0.00098	-2.5	2.5	PASS
n7	15	5	507000	12@6	DFT_BPSK	-4.59	-0.00181	-2.5	2.5	PASS
n7	15	5	507000	1@1	DFT_BPSK	-3.90	-0.00154	-2.5	2.5	PASS
n7	15	5	507000	1@23	DFT_BPSK	-3.42	-0.00135	-2.5	2.5	PASS
n7	15	5	507000	12@6	DFT_QPSK	-4.48	-0.00177	-2.5	2.5	PASS
n7	15	5	507000	1@1	DFT_QPSK	-5.05	-0.00199	-2.5	2.5	PASS
n7	15	5	507000	1@23	DFT_QPSK	-4.50	-0.00178	-2.5	2.5	PASS
n7	15	5	513500	12@6	DFT_BPSK	-2.88	-0.00112	-2.5	2.5	PASS
n7	15	5	513500	1@1	DFT_BPSK	-2.94	-0.00115	-2.5	2.5	PASS
n7	15	5	513500	1@23	DFT_BPSK	-2.03	-0.00079	-2.5	2.5	PASS
n7	15	5	513500	12@6	DFT_QPSK	-2.44	-0.00095	-2.5	2.5	PASS
n7	15	5	513500	1@1	DFT_QPSK	-2.42	-0.00094	-2.5	2.5	PASS
n7	15	5	513500	1@23	DFT_QPSK	-3.31	-0.00129	-2.5	2.5	PASS
n7	15	15	501500	36@18	DFT_BPSK	-3.01	-0.00120	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_BPSK	-0.26	-0.00010	-2.5	2.5	PASS
n7	15	15	501500	1@77	DFT_BPSK	-1.49	-0.00059	-2.5	2.5	PASS
n7	15	15	501500	36@18	DFT_QPSK	-4.82	-0.00192	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_QPSK	-3.80	-0.00152	-2.5	2.5	PASS
n7	15	15	501500	1@77	DFT_QPSK	-5.29	-0.00211	-2.5	2.5	PASS
n7	15	15	507000	36@18	DFT_BPSK	-3.43	-0.00135	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_BPSK	-5.03	-0.00198	-2.5	2.5	PASS
n7	15	15	507000	1@77	DFT_BPSK	-3.46	-0.00136	-2.5	2.5	PASS
n7	15	15	507000	36@18	DFT_QPSK	-1.58	-0.00062	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_QPSK	-1.60	-0.00063	-2.5	2.5	PASS
n7	15	15	507000	1@77	DFT_QPSK	-2.30	-0.00091	-2.5	2.5	PASS
n7	15	15	512500	36@18	DFT_BPSK	-1.17	-0.00046	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_BPSK	-1.29	-0.00050	-2.5	2.5	PASS
n7	15	15	512500	1@77	DFT_BPSK	-1.73	-0.00068	-2.5	2.5	PASS
n7	15	15	512500	36@18	DFT_QPSK	-1.05	-0.00041	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_QPSK	-2.59	-0.00101	-2.5	2.5	PASS
n7	15	15	512500	1@77	DFT_QPSK	-2.61	-0.00102	-2.5	2.5	PASS
n7	15	20	502000	50@25	DFT_BPSK	-3.19	-0.00127	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_BPSK	-2.79	-0.00111	-2.5	2.5	PASS
n7	15	20	502000	1@104	DFT_BPSK	-2.23	-0.00089	-2.5	2.5	PASS

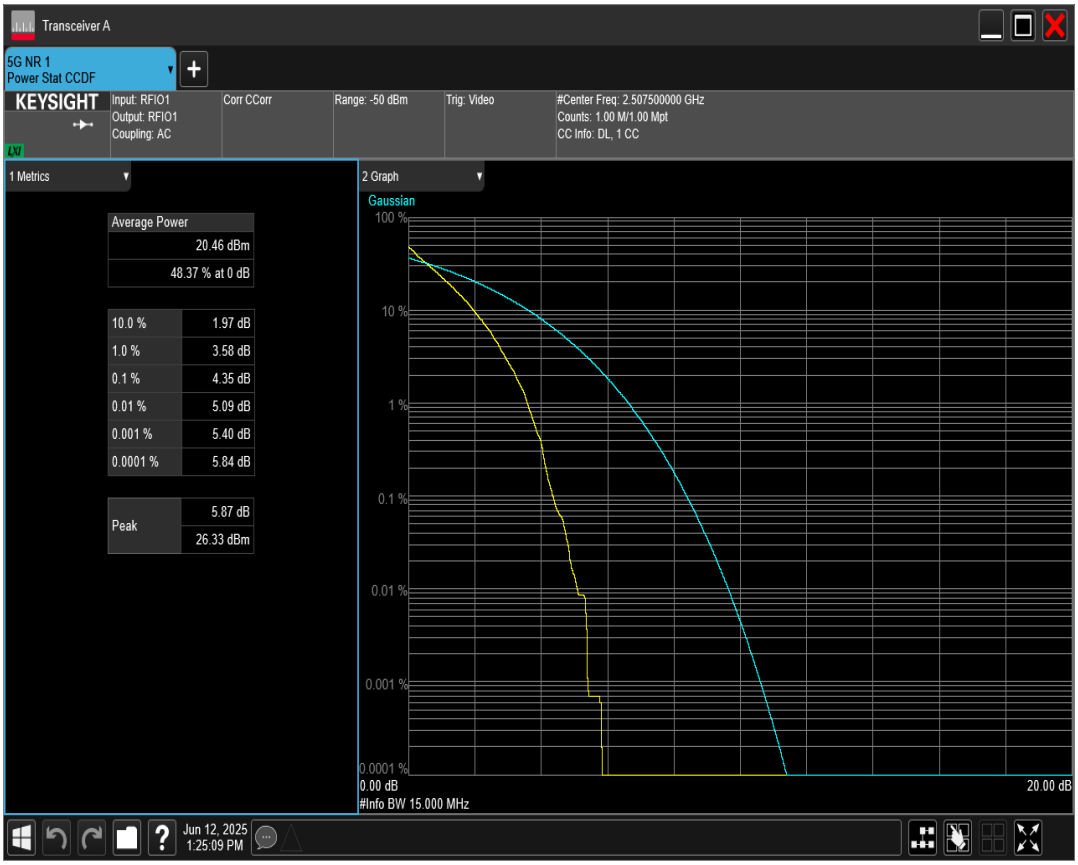
n7	15	20	502000	50@25	DFT_QPSK	-1.25	-0.00050	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_QPSK	-0.32	-0.00013	-2.5	2.5	PASS
n7	15	20	502000	1@104	DFT_QPSK	-0.18	-0.00007	-2.5	2.5	PASS
n7	15	20	507000	50@25	DFT_BPSK	-2.78	-0.00110	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_BPSK	-2.04	-0.00080	-2.5	2.5	PASS
n7	15	20	507000	1@104	DFT_BPSK	-3.96	-0.00156	-2.5	2.5	PASS
n7	15	20	507000	50@25	DFT_QPSK	-4.20	-0.00166	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_QPSK	-4.33	-0.00171	-2.5	2.5	PASS
n7	15	20	507000	1@104	DFT_QPSK	-5.14	-0.00203	-2.5	2.5	PASS
n7	15	20	512000	50@25	DFT_BPSK	-0.86	-0.00034	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_BPSK	-1.13	-0.00044	-2.5	2.5	PASS
n7	15	20	512000	1@104	DFT_BPSK	-2.12	-0.00083	-2.5	2.5	PASS
n7	15	20	512000	50@25	DFT_QPSK	-1.24	-0.00048	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_QPSK	-3.29	-0.00129	-2.5	2.5	PASS
n7	15	20	512000	1@104	DFT_QPSK	-1.78	-0.00070	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

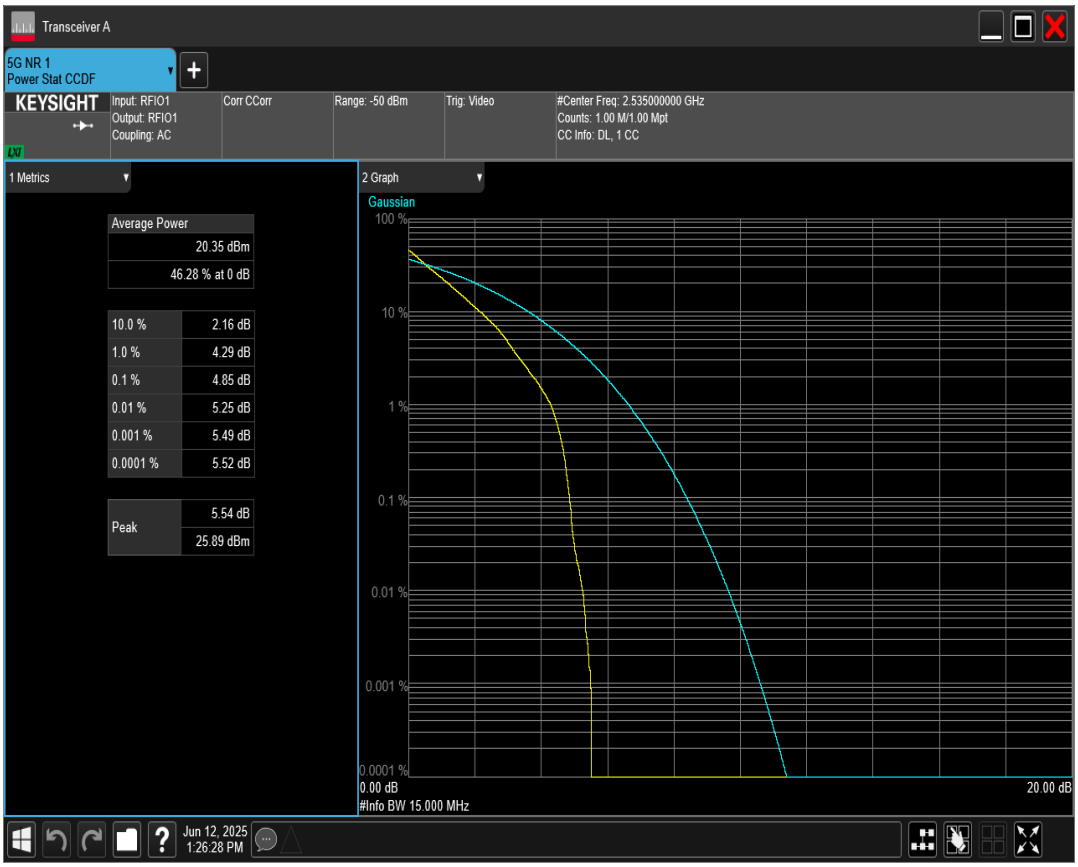
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n7	15	5	500500	25@0	DFT_BPSK	4.39	13	PASS
n7	15	5	500500	25@0	DFT_QPSK	5.79	13	PASS
n7	15	5	500500	25@0	DFT_QAM16	6.68	13	PASS
n7	15	5	500500	25@0	DFT_QAM64	6.58	13	PASS
n7	15	5	500500	25@0	DFT_QAM256	6.52	13	PASS
n7	15	5	507000	25@0	DFT_BPSK	4.63	13	PASS
n7	15	5	507000	25@0	DFT_QPSK	5.99	13	PASS
n7	15	5	507000	25@0	DFT_QAM16	6.78	13	PASS
n7	15	5	507000	25@0	DFT_QAM64	7.01	13	PASS
n7	15	5	507000	25@0	DFT_QAM256	6.93	13	PASS
n7	15	5	513500	25@0	DFT_BPSK	5.89	13	PASS
n7	15	5	513500	25@0	DFT_QPSK	6.43	13	PASS
n7	15	5	513500	25@0	DFT_QAM16	6.71	13	PASS
n7	15	5	513500	25@0	DFT_QAM64	6.84	13	PASS
n7	15	5	513500	25@0	DFT_QAM256	6.81	13	PASS
n7	15	10	501000	50@0	DFT_BPSK	4.60	13	PASS
n7	15	10	501000	50@0	DFT_QPSK	5.76	13	PASS
n7	15	10	501000	50@0	DFT_QAM16	6.44	13	PASS
n7	15	10	501000	50@0	DFT_QAM64	6.63	13	PASS
n7	15	10	501000	50@0	DFT_QAM256	6.77	13	PASS
n7	15	10	507000	50@0	DFT_BPSK	4.64	13	PASS
n7	15	10	507000	50@0	DFT_QPSK	6.09	13	PASS
n7	15	10	507000	50@0	DFT_QAM16	6.59	13	PASS
n7	15	10	507000	50@0	DFT_QAM64	6.79	13	PASS
n7	15	10	507000	50@0	DFT_QAM256	6.68	13	PASS
n7	15	10	513000	50@0	DFT_BPSK	5.29	13	PASS
n7	15	10	513000	50@0	DFT_QPSK	5.87	13	PASS
n7	15	10	513000	50@0	DFT_QAM16	6.35	13	PASS
n7	15	10	513000	50@0	DFT_QAM64	6.58	13	PASS
n7	15	10	513000	50@0	DFT_QAM256	6.64	13	PASS
n7	15	15	501500	75@0	DFT_BPSK	4.35	13	PASS
n7	15	15	501500	75@0	DFT_QPSK	5.88	13	PASS
n7	15	15	501500	75@0	DFT_QAM16	6.68	13	PASS
n7	15	15	501500	75@0	DFT_QAM64	6.55	13	PASS
n7	15	15	501500	75@0	DFT_QAM256	6.72	13	PASS
n7	15	15	507000	75@0	DFT_BPSK	4.85	13	PASS
n7	15	15	507000	75@0	DFT_QPSK	5.69	13	PASS
n7	15	15	507000	75@0	DFT_QAM16	6.56	13	PASS
n7	15	15	507000	75@0	DFT_QAM64	6.60	13	PASS

n7	15	15	507000	75@0	DFT_QAM256	6.57	13	PASS
n7	15	15	512500	75@0	DFT_BPSK	4.63	13	PASS
n7	15	15	512500	75@0	DFT_QPSK	5.86	13	PASS
n7	15	15	512500	75@0	DFT_QAM16	6.70	13	PASS
n7	15	15	512500	75@0	DFT_QAM64	6.72	13	PASS
n7	15	15	512500	75@0	DFT_QAM256	6.64	13	PASS
n7	15	20	502000	100@0	DFT_BPSK	4.85	13	PASS
n7	15	20	502000	100@0	DFT_QPSK	5.80	13	PASS
n7	15	20	502000	100@0	DFT_QAM16	6.32	13	PASS
n7	15	20	502000	100@0	DFT_QAM64	6.57	13	PASS
n7	15	20	502000	100@0	DFT_QAM256	6.64	13	PASS
n7	15	20	507000	100@0	DFT_BPSK	4.49	13	PASS
n7	15	20	507000	100@0	DFT_QPSK	5.88	13	PASS
n7	15	20	507000	100@0	DFT_QAM16	6.59	13	PASS
n7	15	20	507000	100@0	DFT_QAM64	6.75	13	PASS
n7	15	20	507000	100@0	DFT_QAM256	6.71	13	PASS
n7	15	20	512000	100@0	DFT_BPSK	5.55	13	PASS
n7	15	20	512000	100@0	DFT_QPSK	6.29	13	PASS
n7	15	20	512000	100@0	DFT_QAM16	6.58	13	PASS
n7	15	20	512000	100@0	DFT_QAM64	6.61	13	PASS
n7	15	20	512000	100@0	DFT_QAM256	6.75	13	PASS

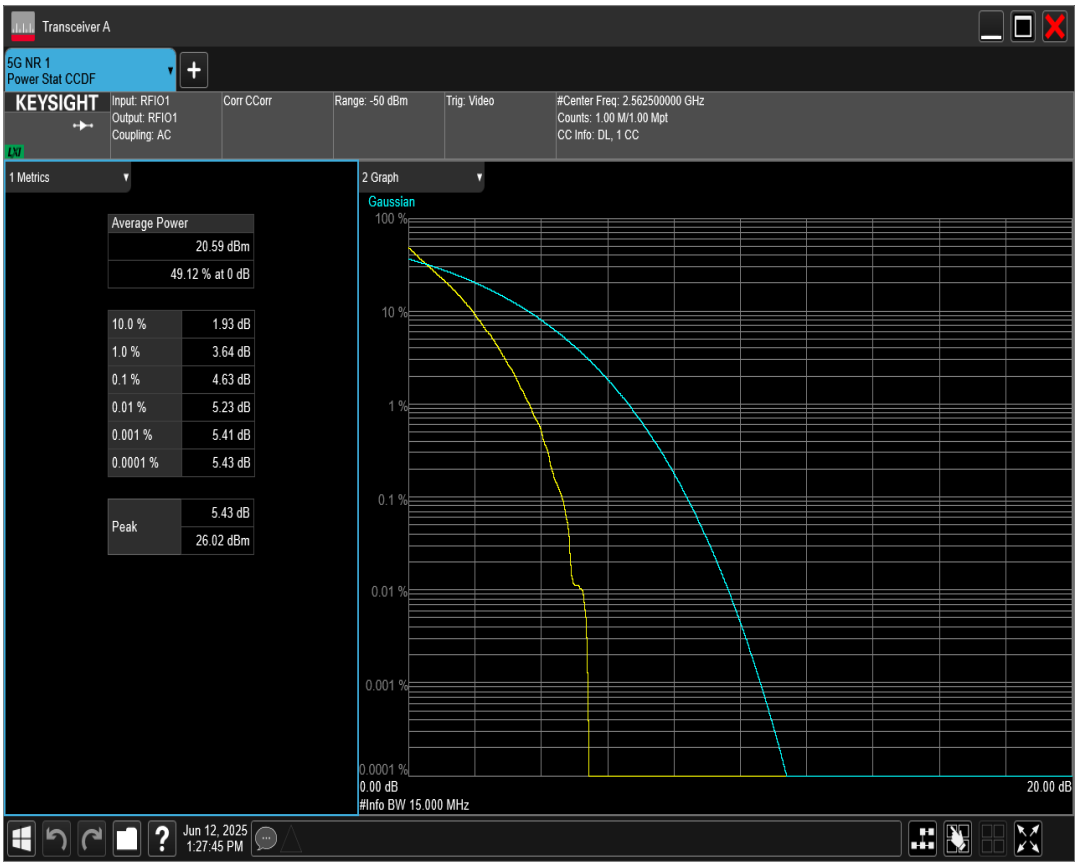
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=501500 RB=75@0



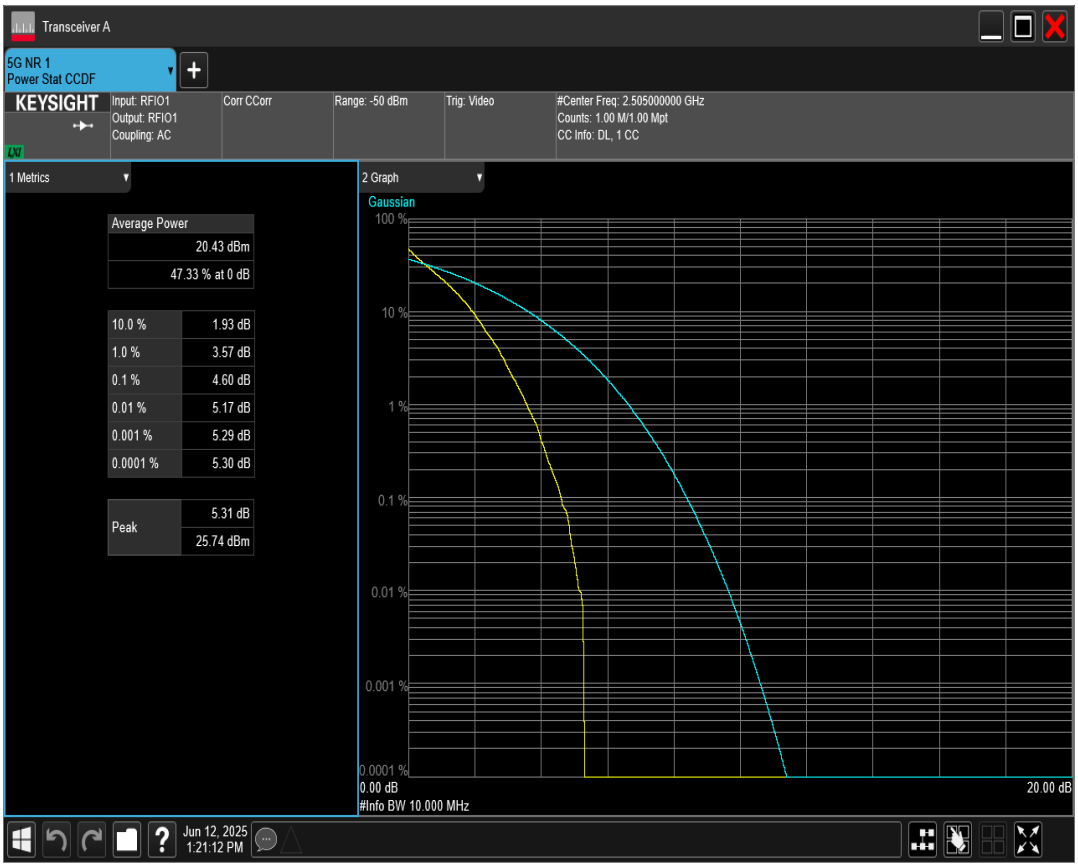
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=507000 RB=75@0



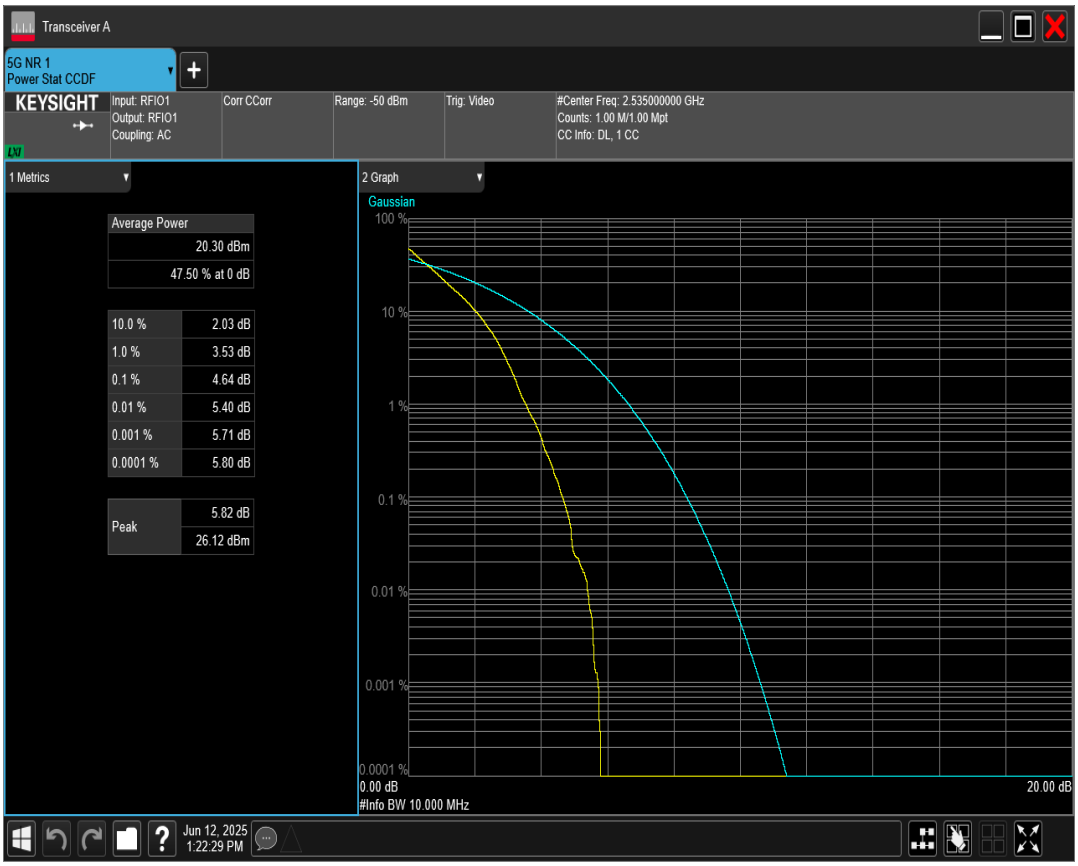
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=512500 RB=75@0



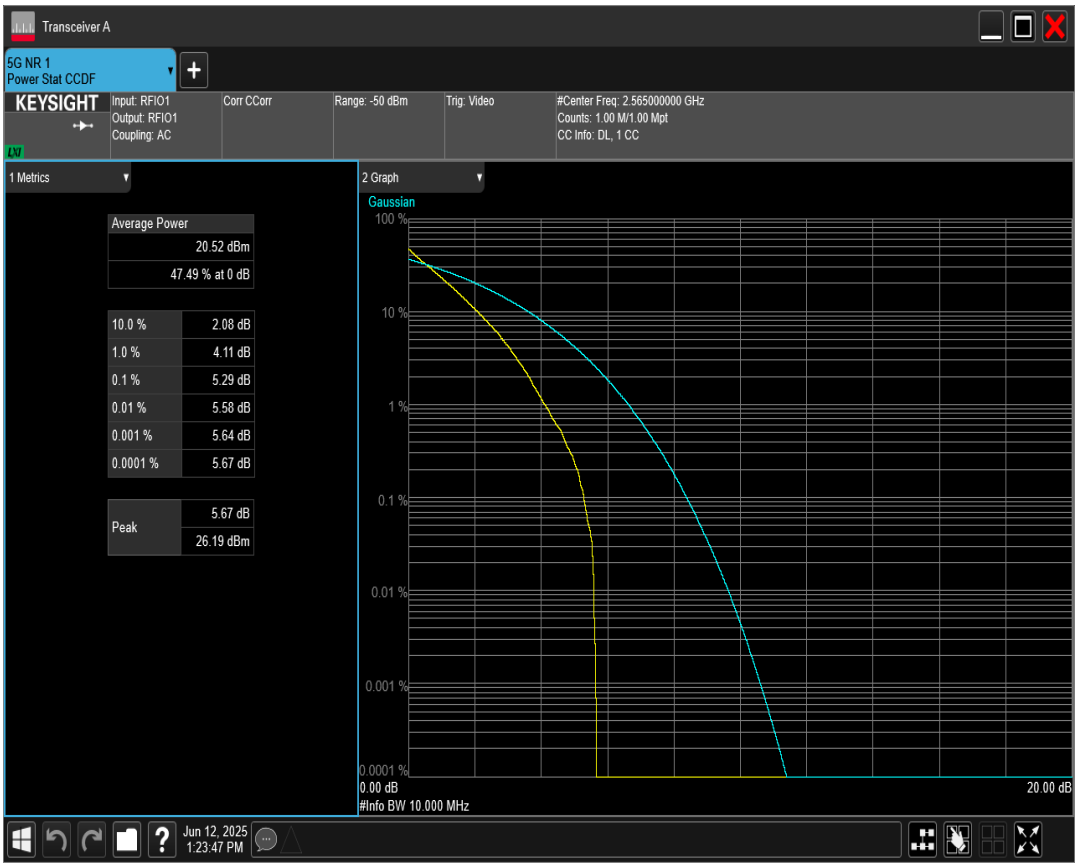
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=501000 RB=50@0



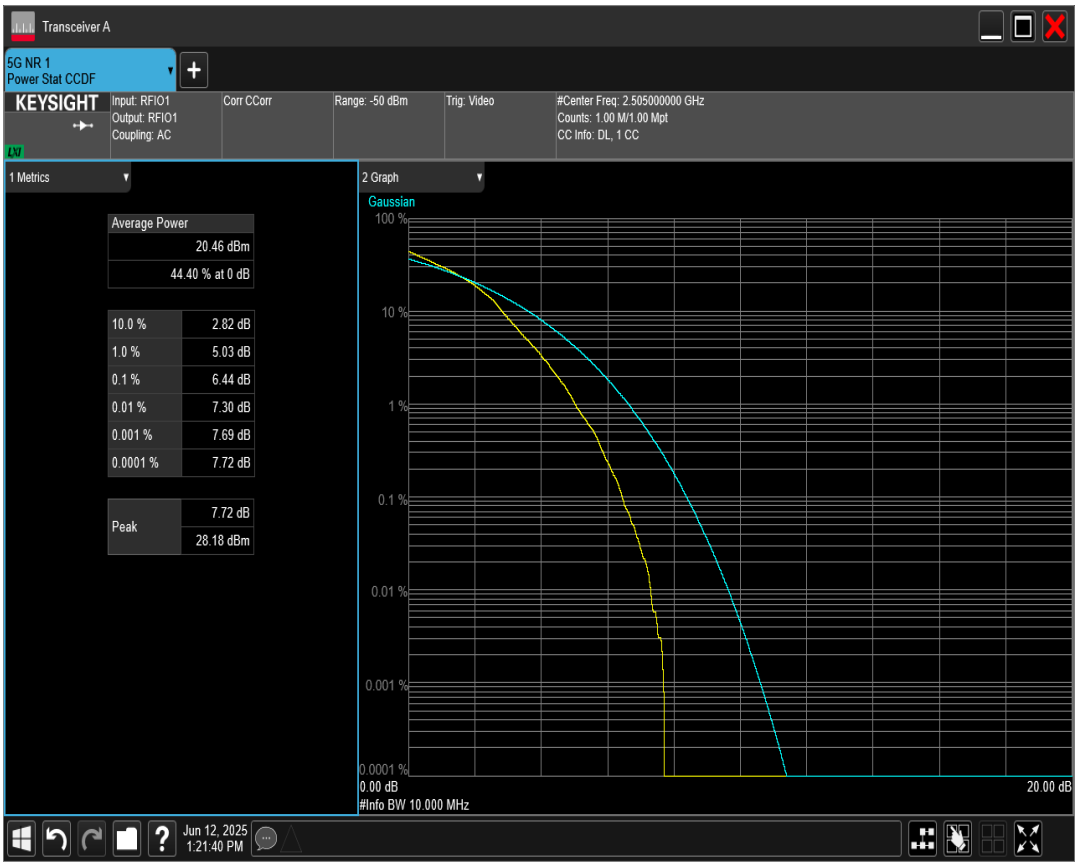
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=507000 RB=50@0



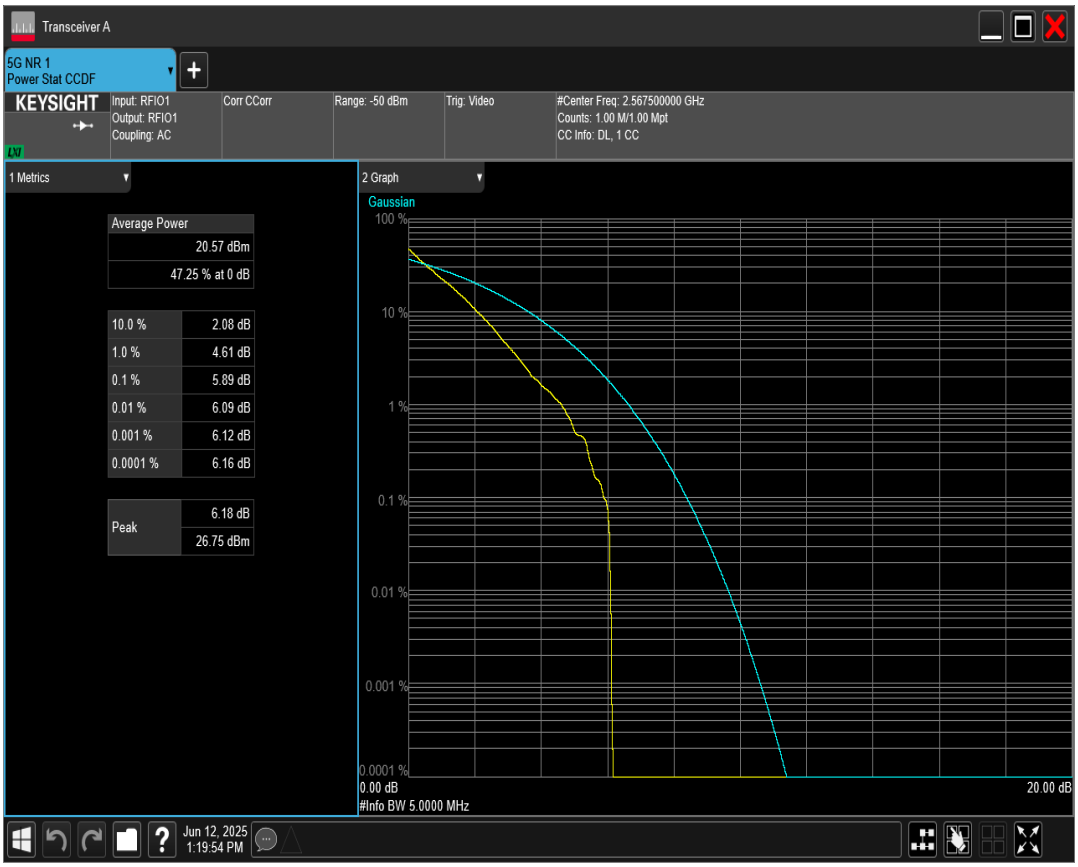
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=513000 RB=50@0



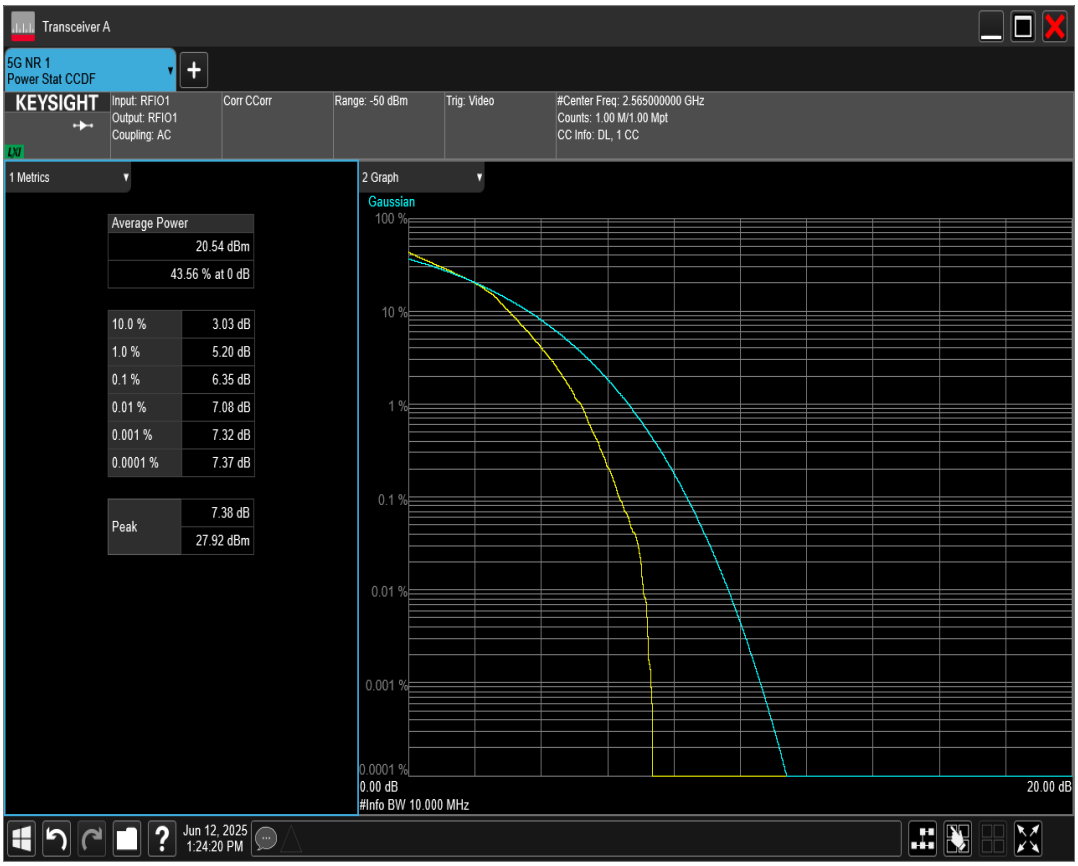
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=501000 RB=50@0



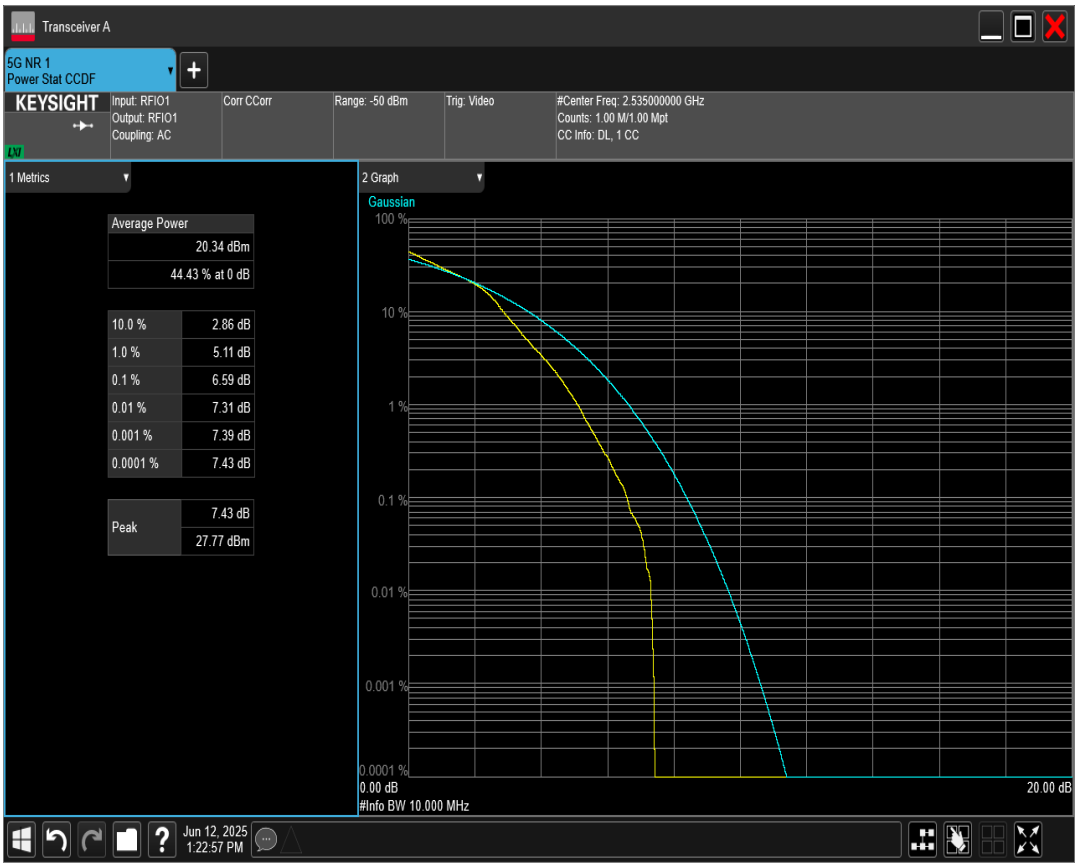
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=513500 RB=25@0



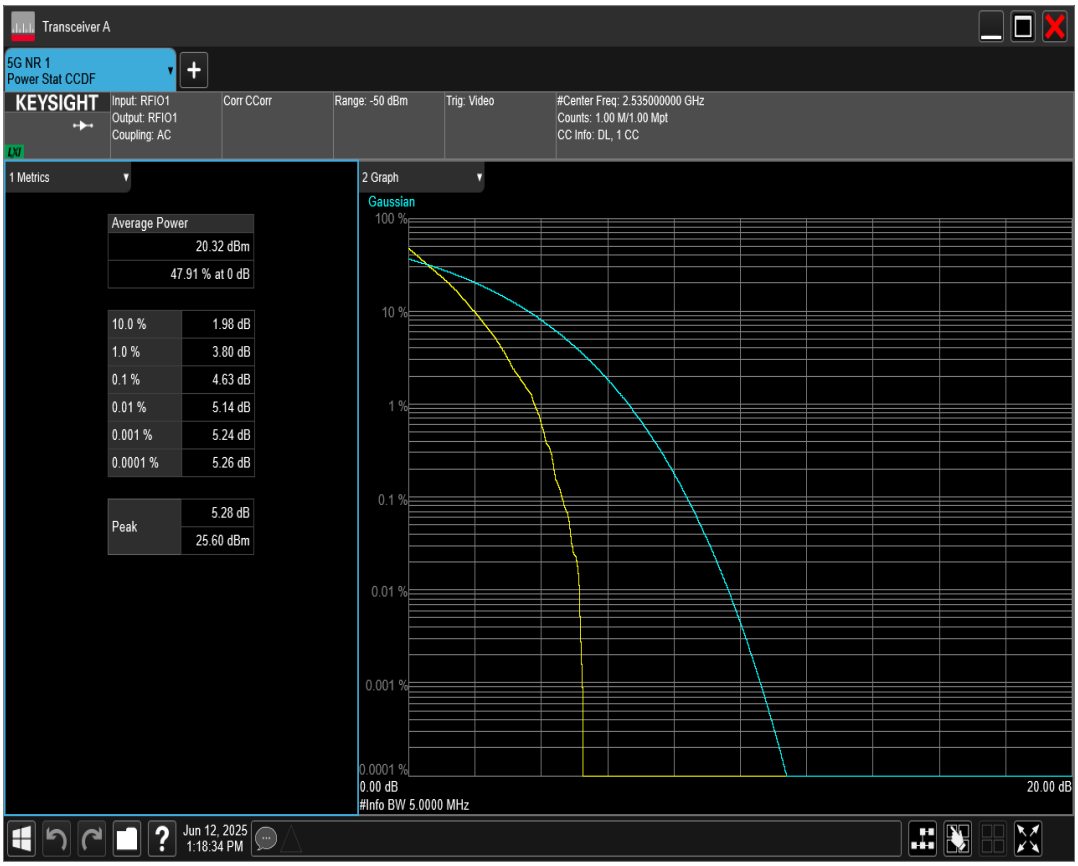
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=513000 RB=50@0



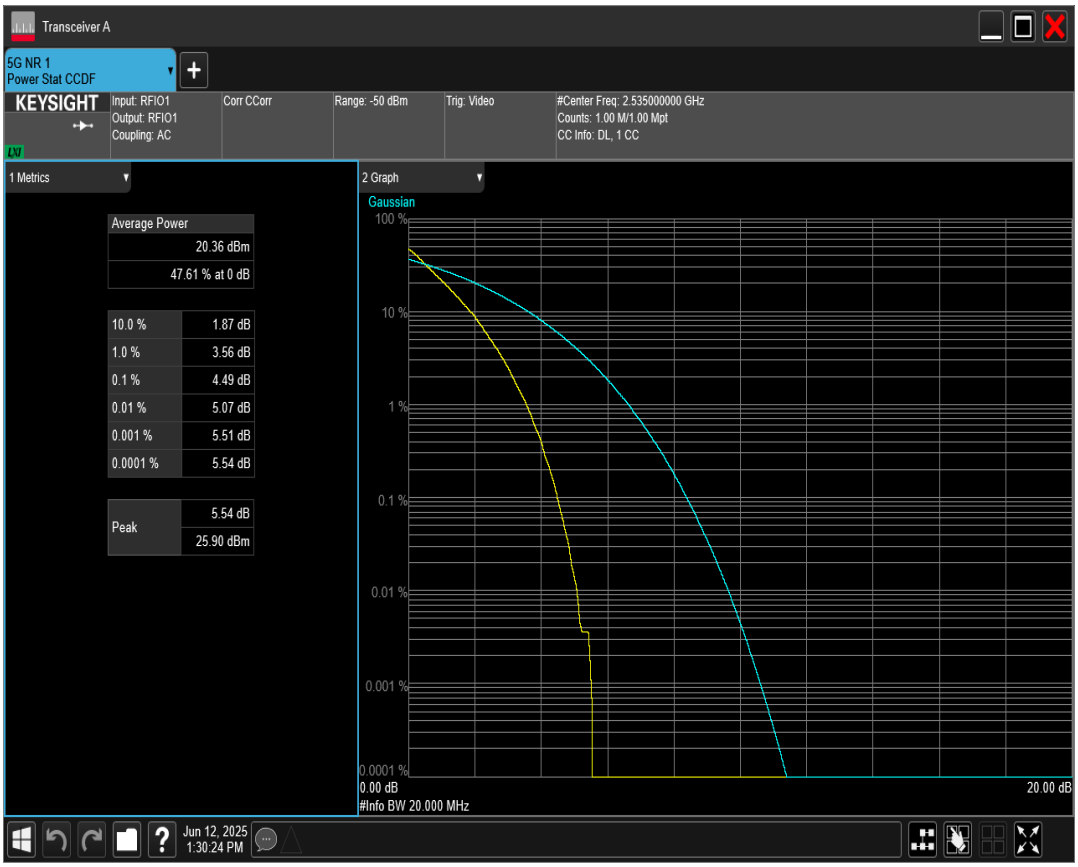
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0



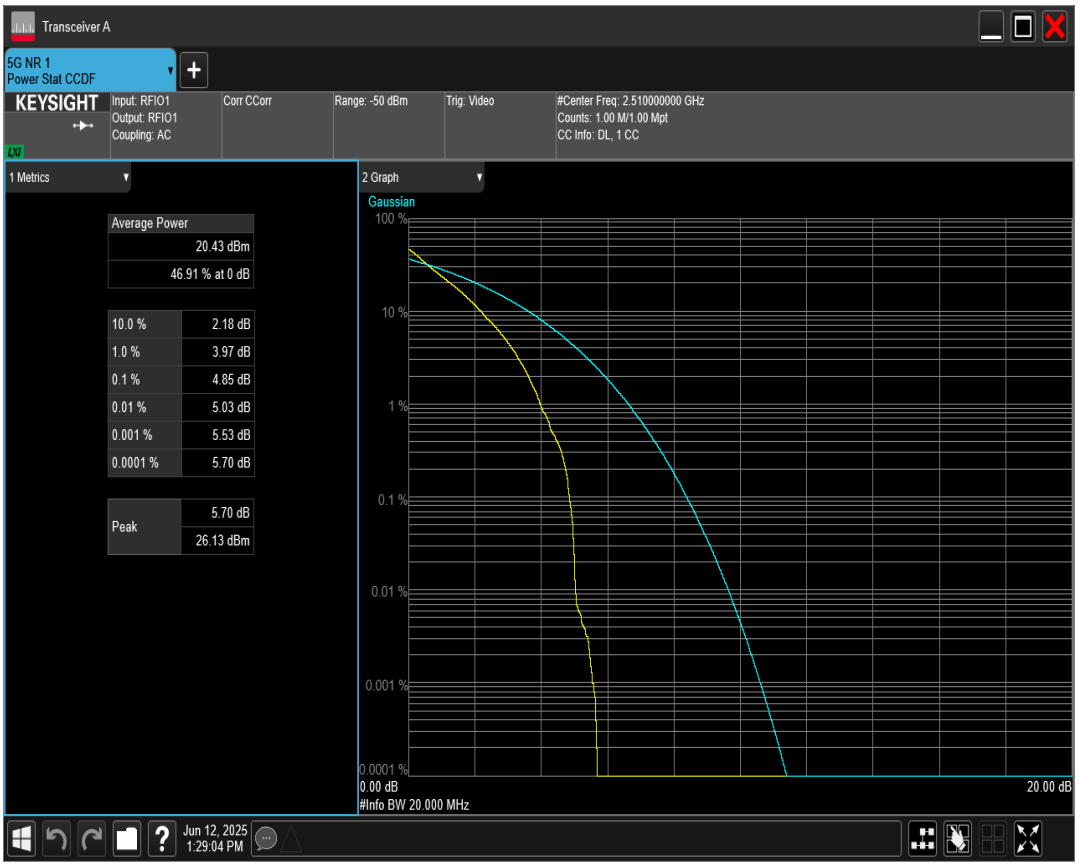
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=507000 RB=25@0



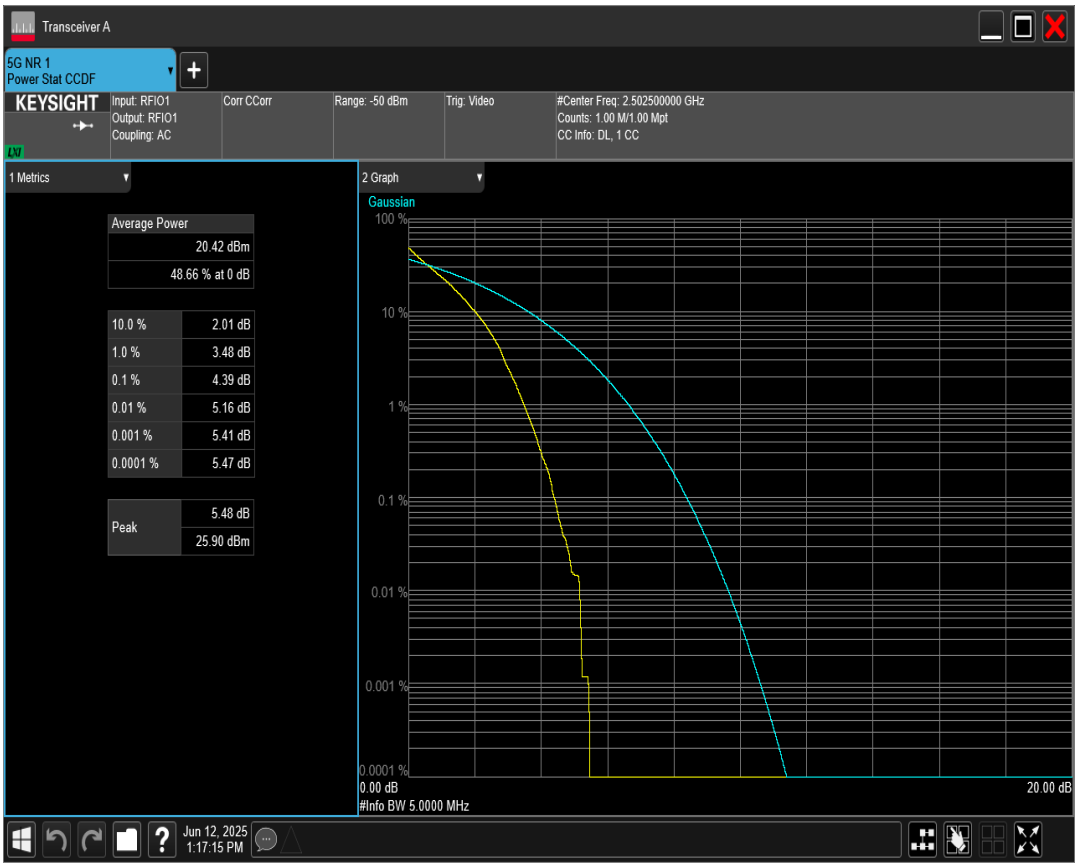
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0



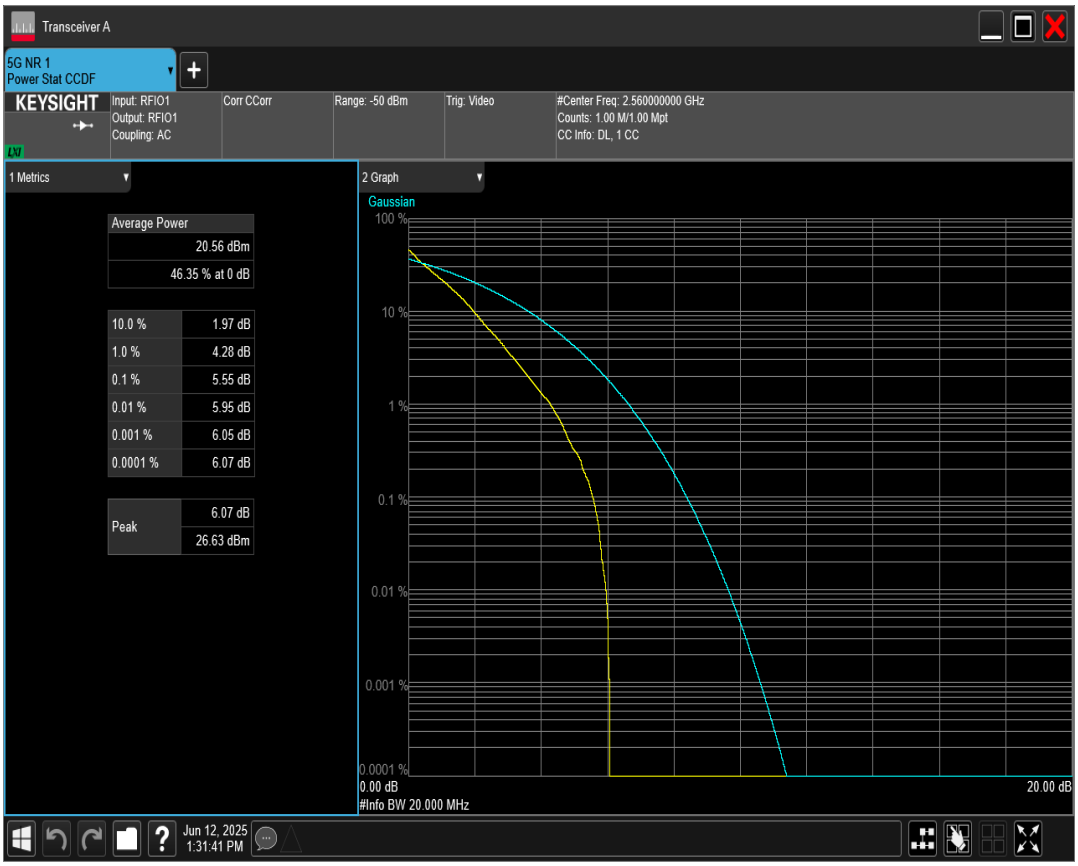
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=502000 RB=100@0



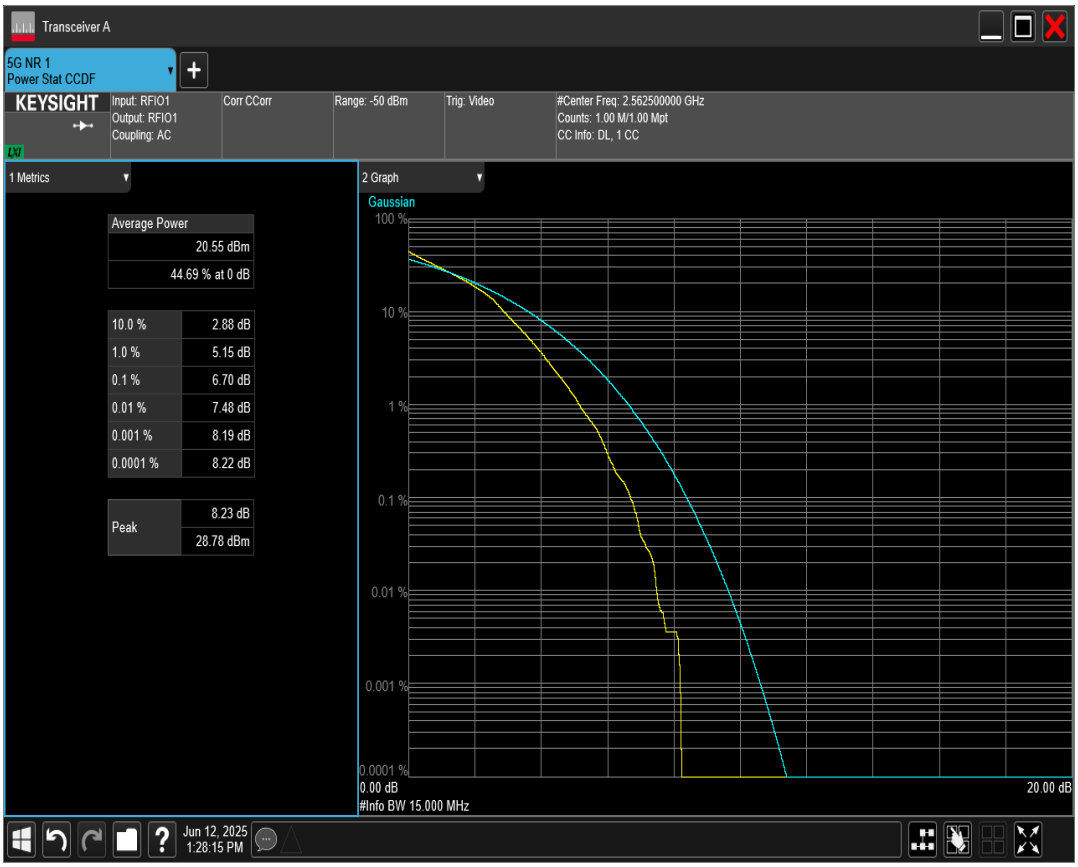
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=500500 RB=25@0



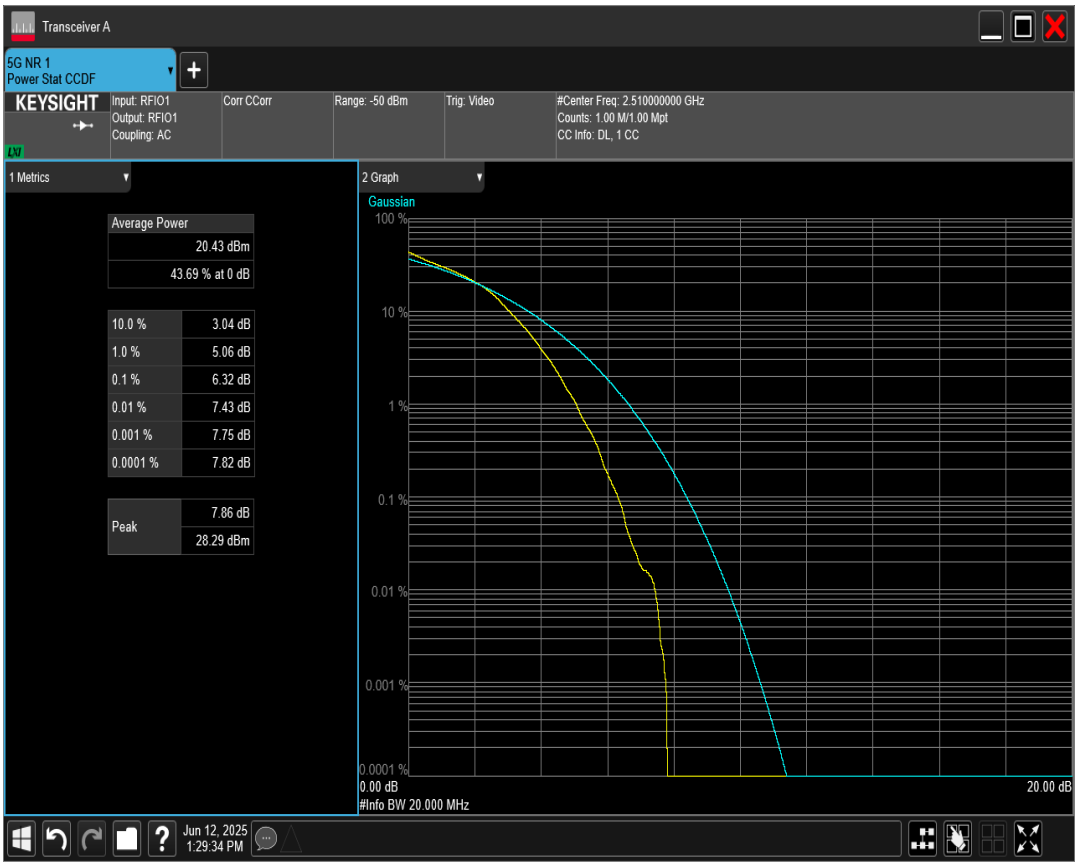
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=512000 RB=100@0



n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=512500 RB=75@0



n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=502000 RB=100@0



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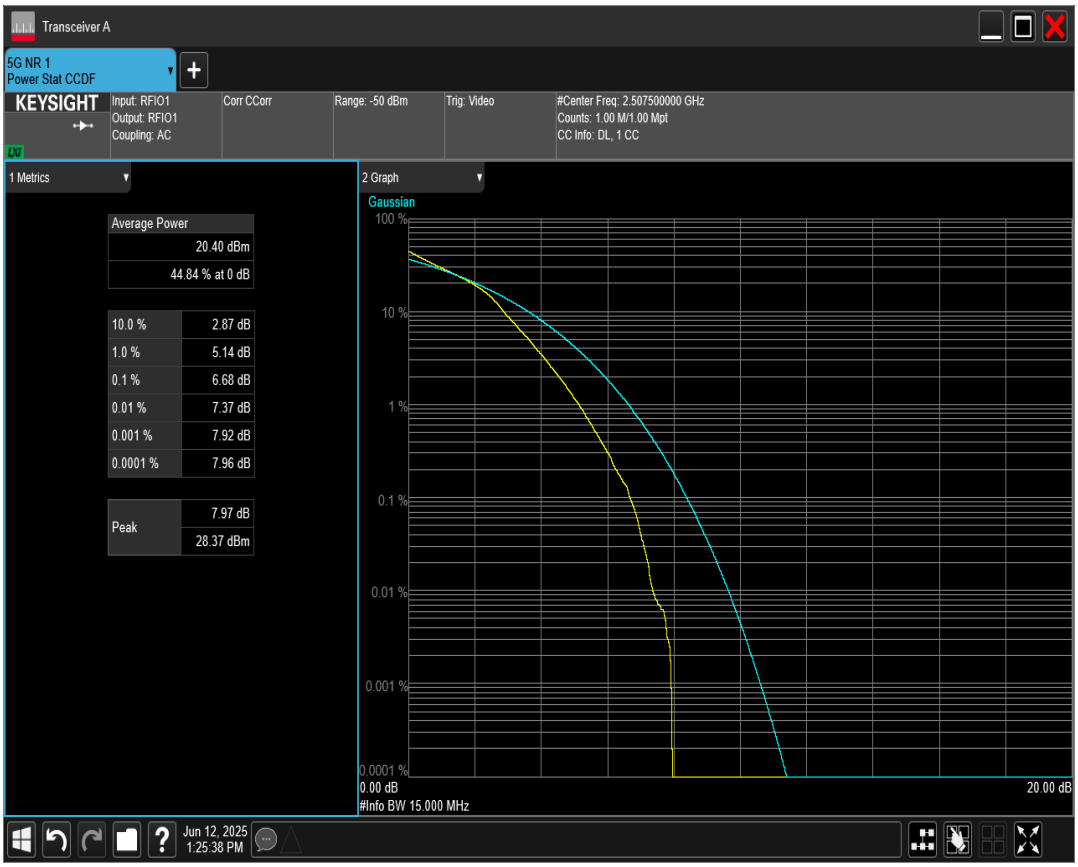

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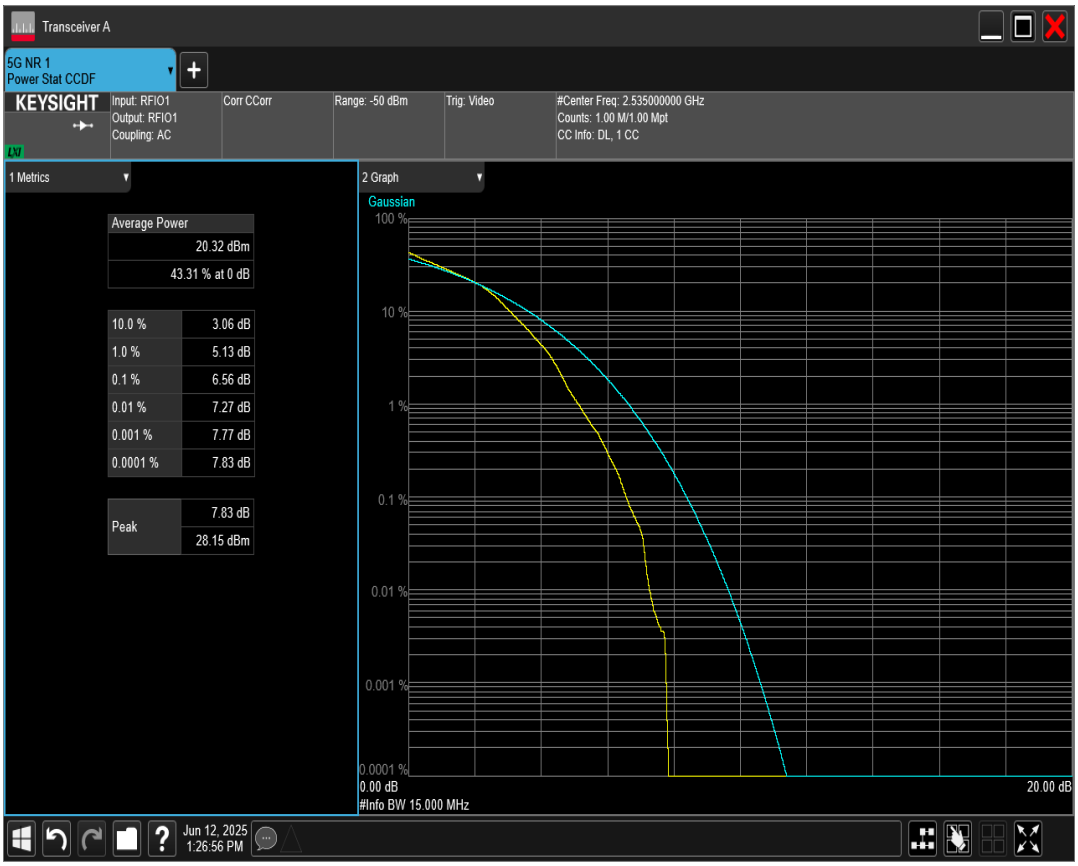

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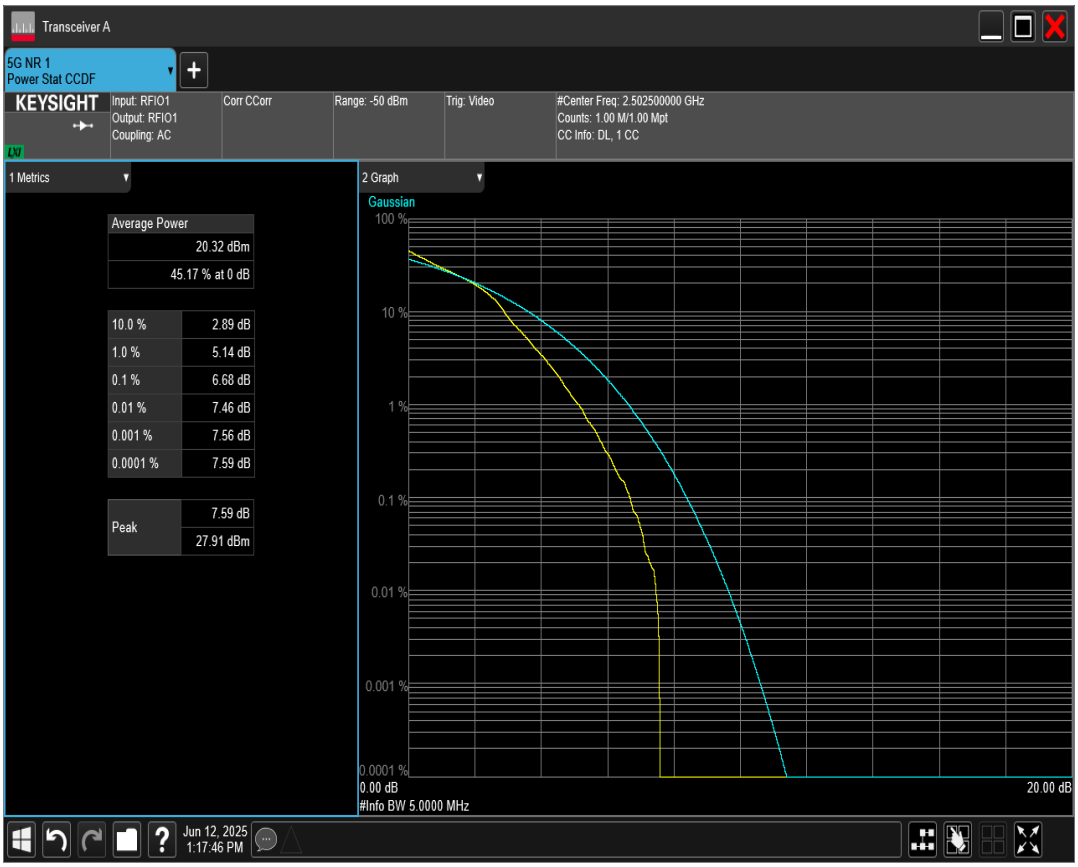

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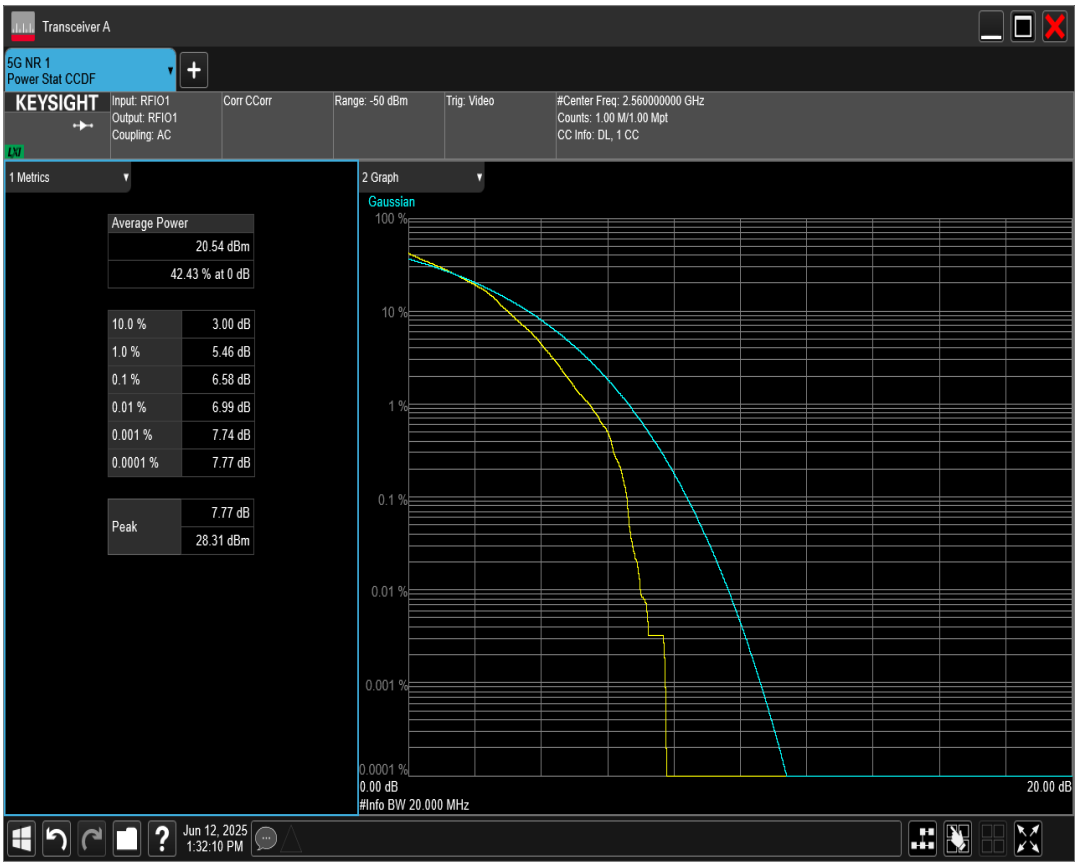

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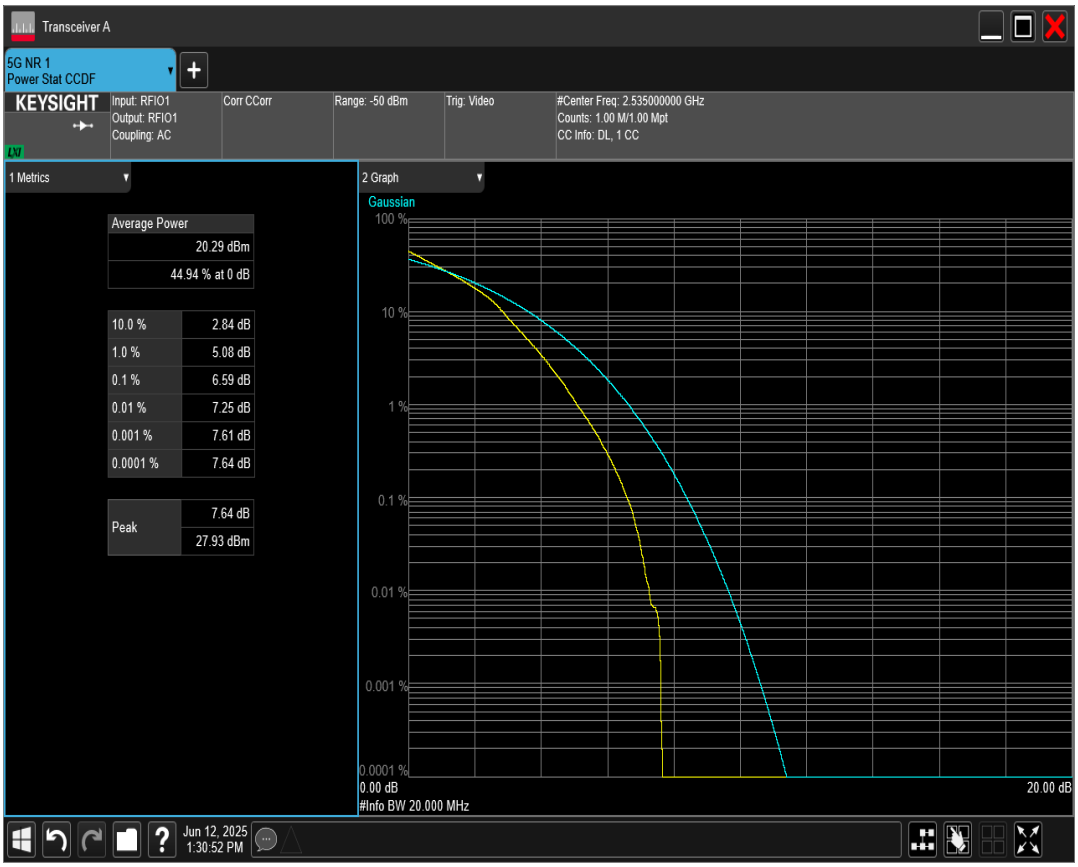

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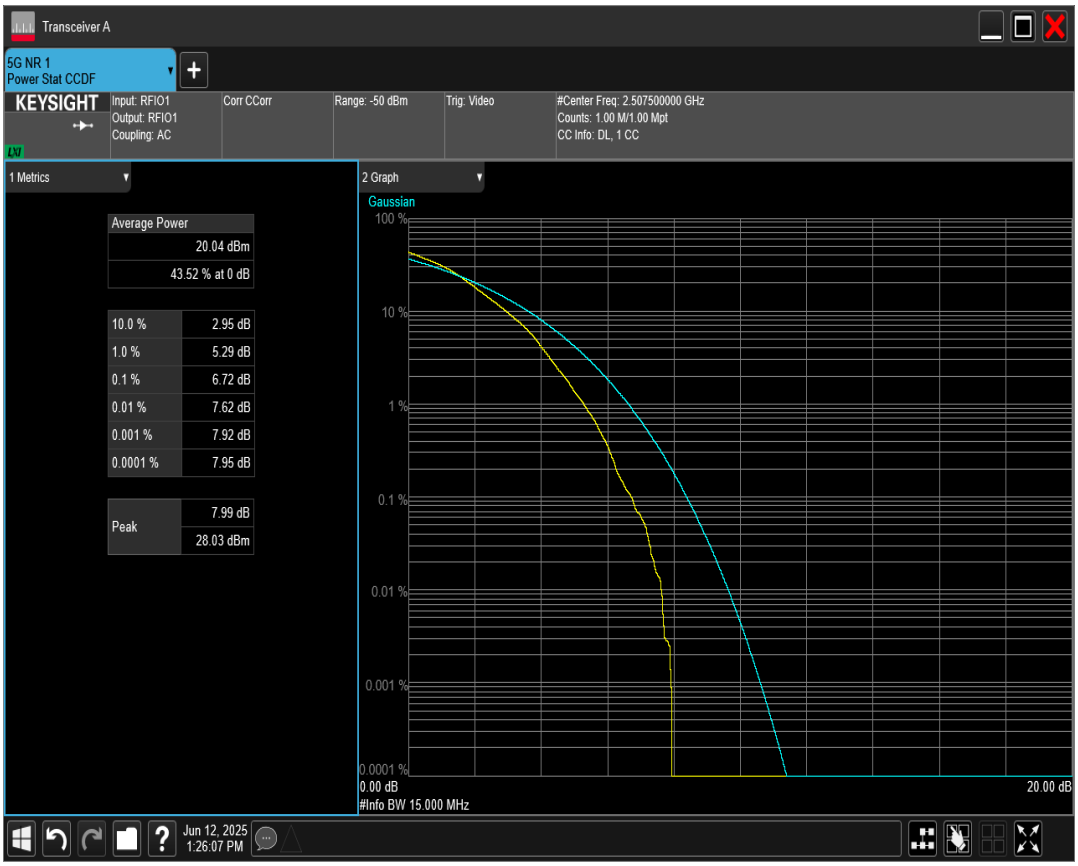

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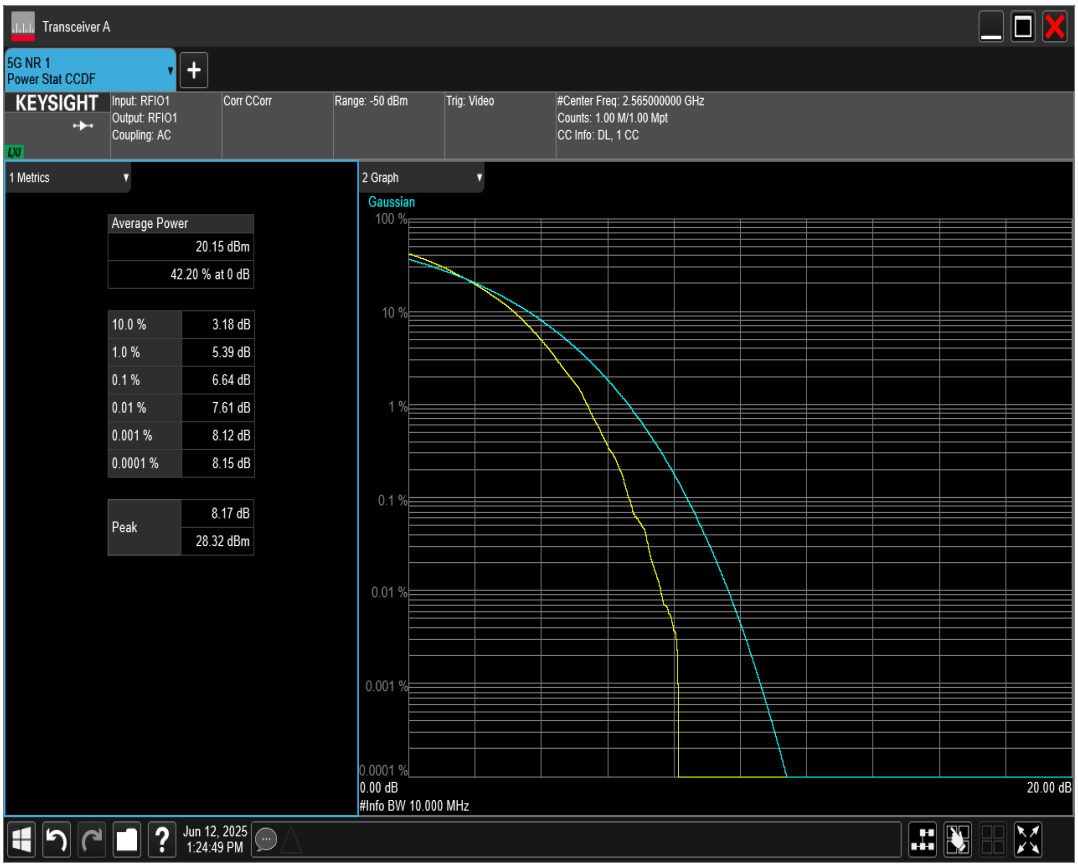

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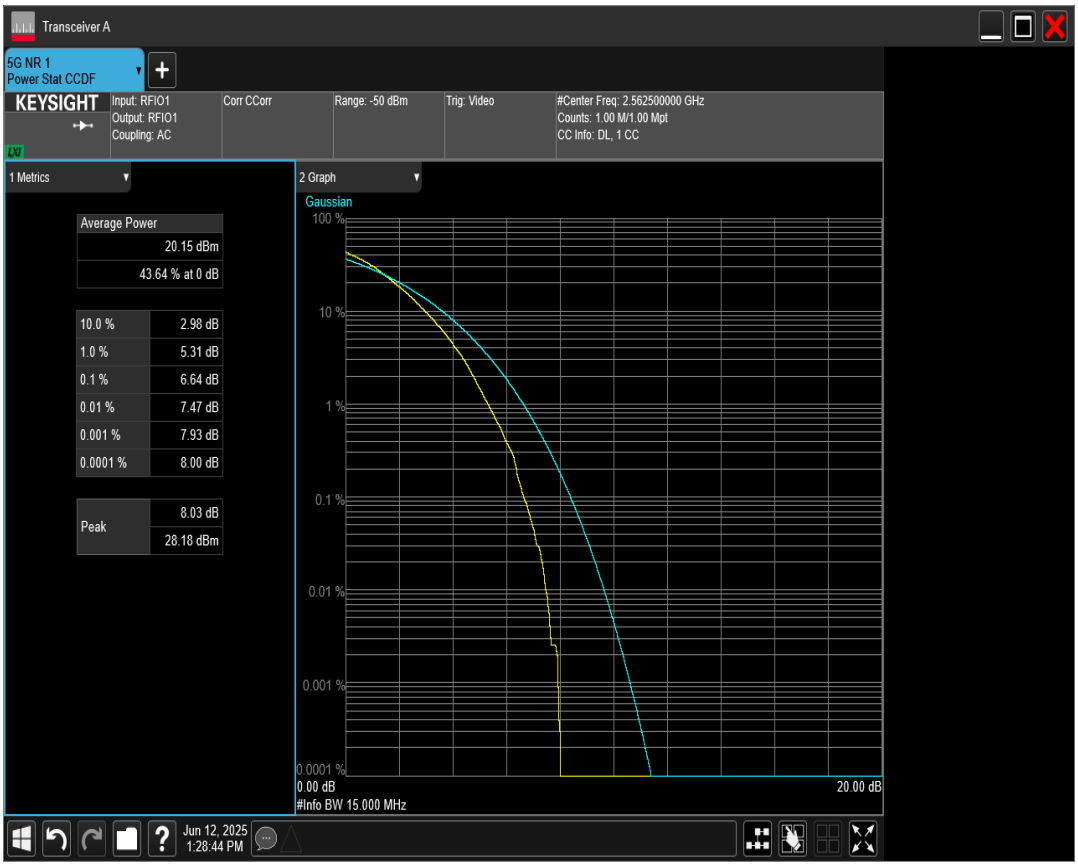

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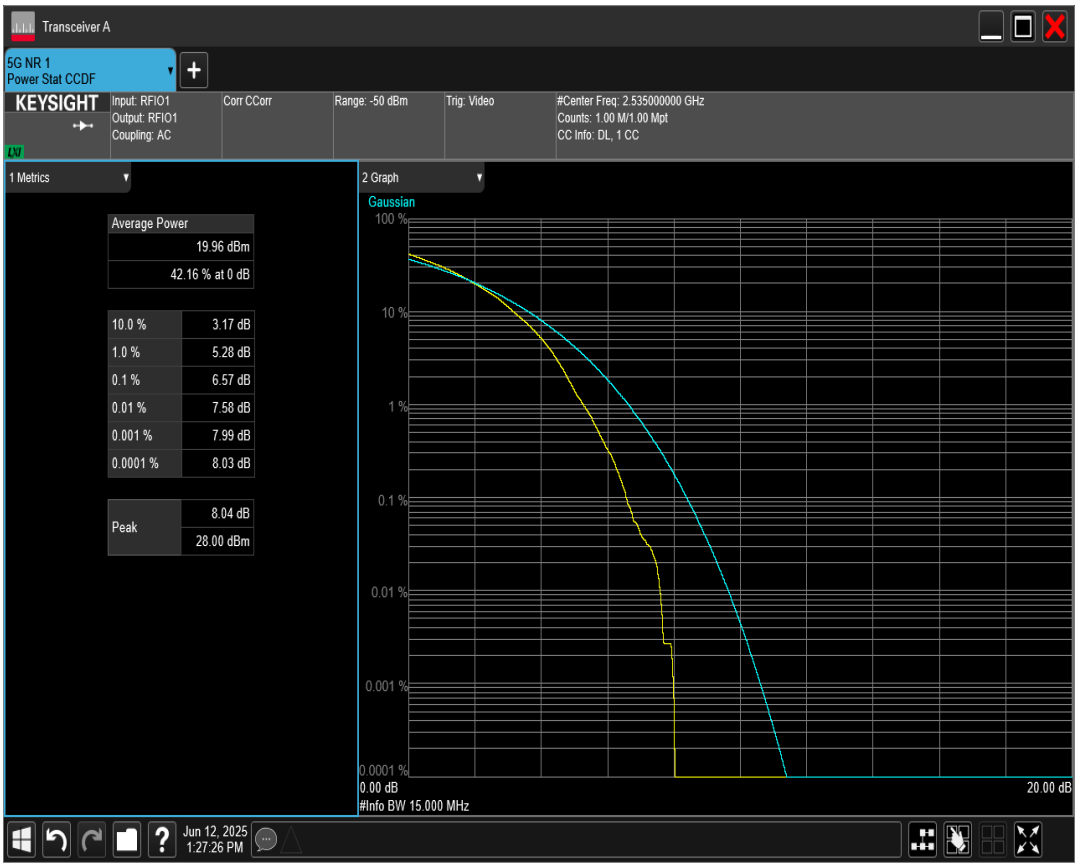

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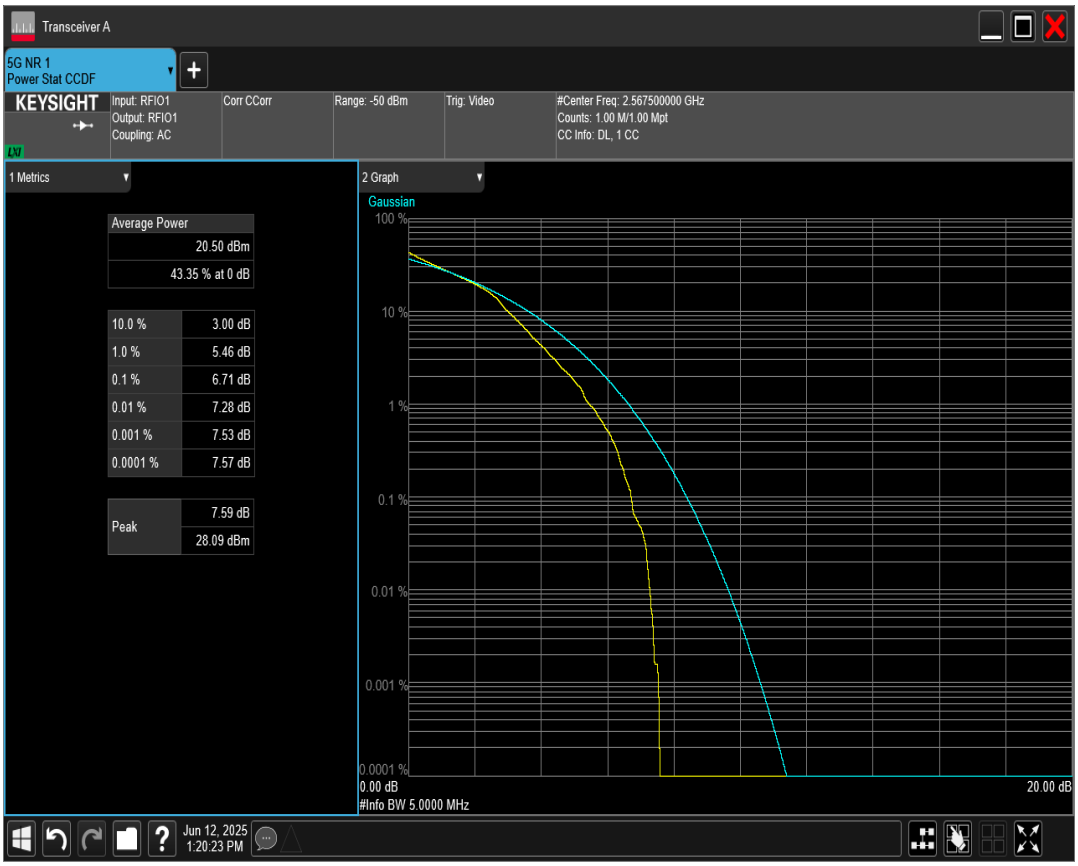

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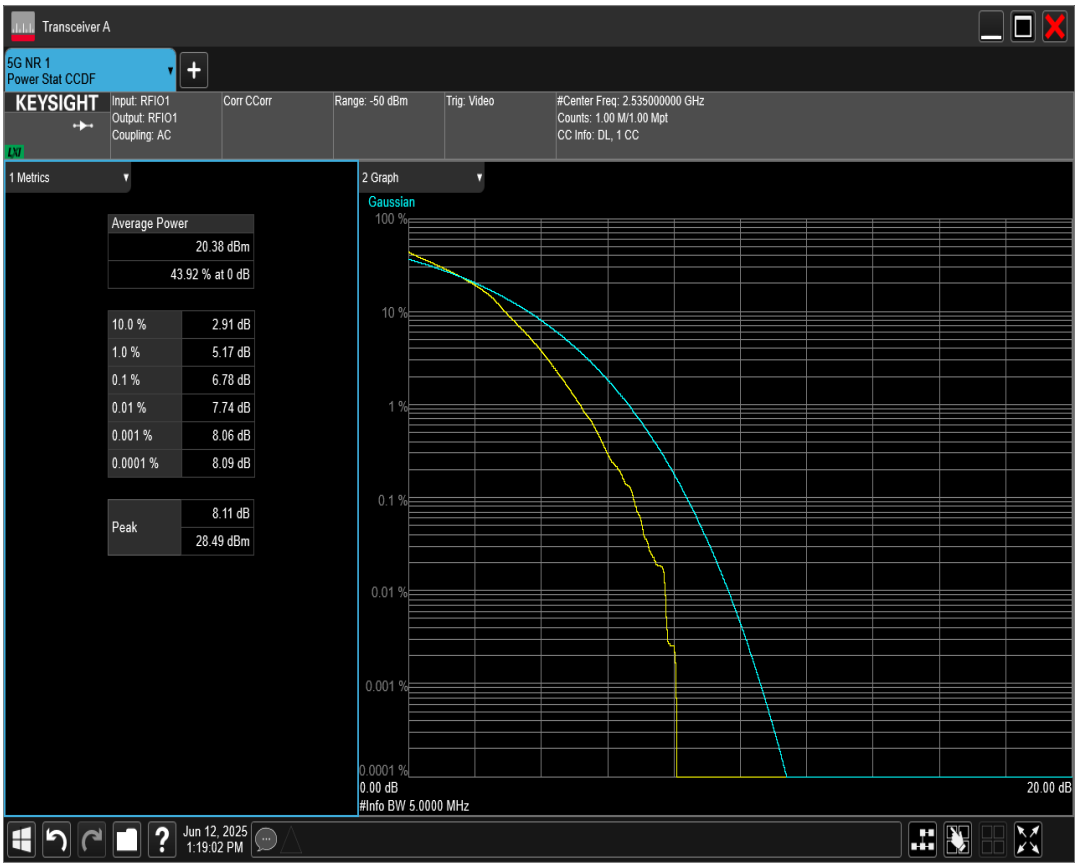

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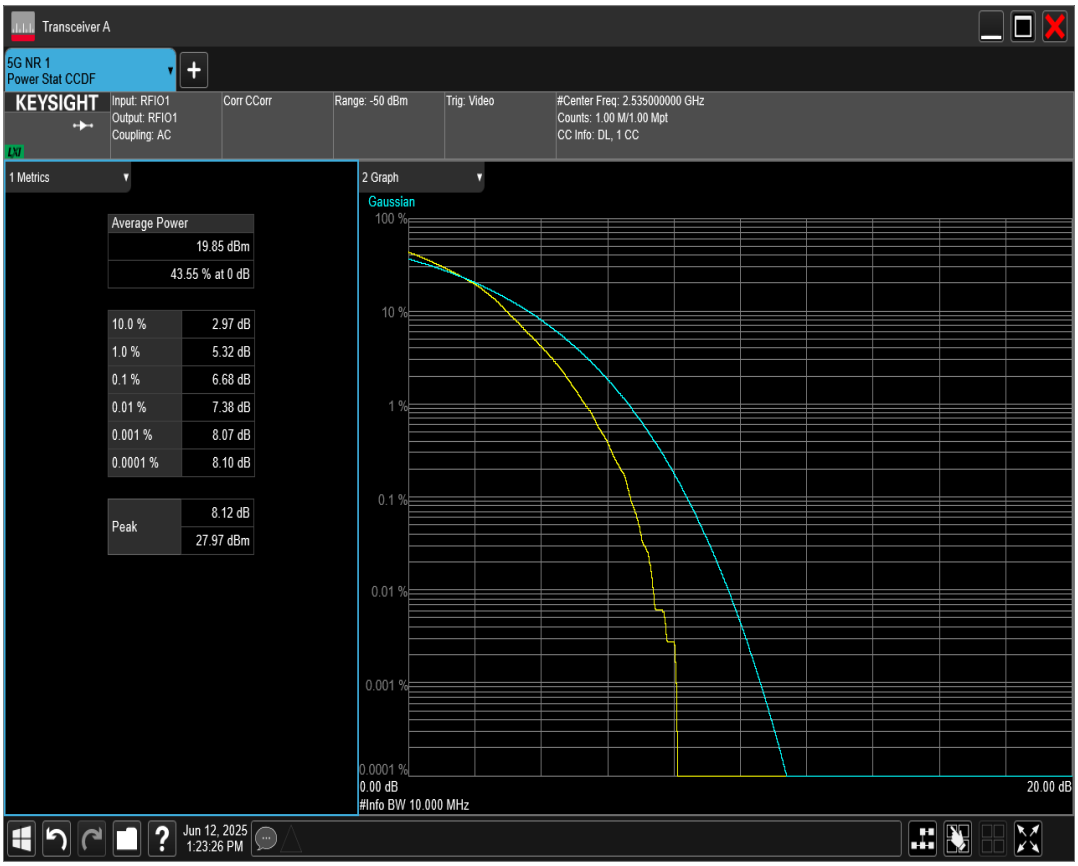
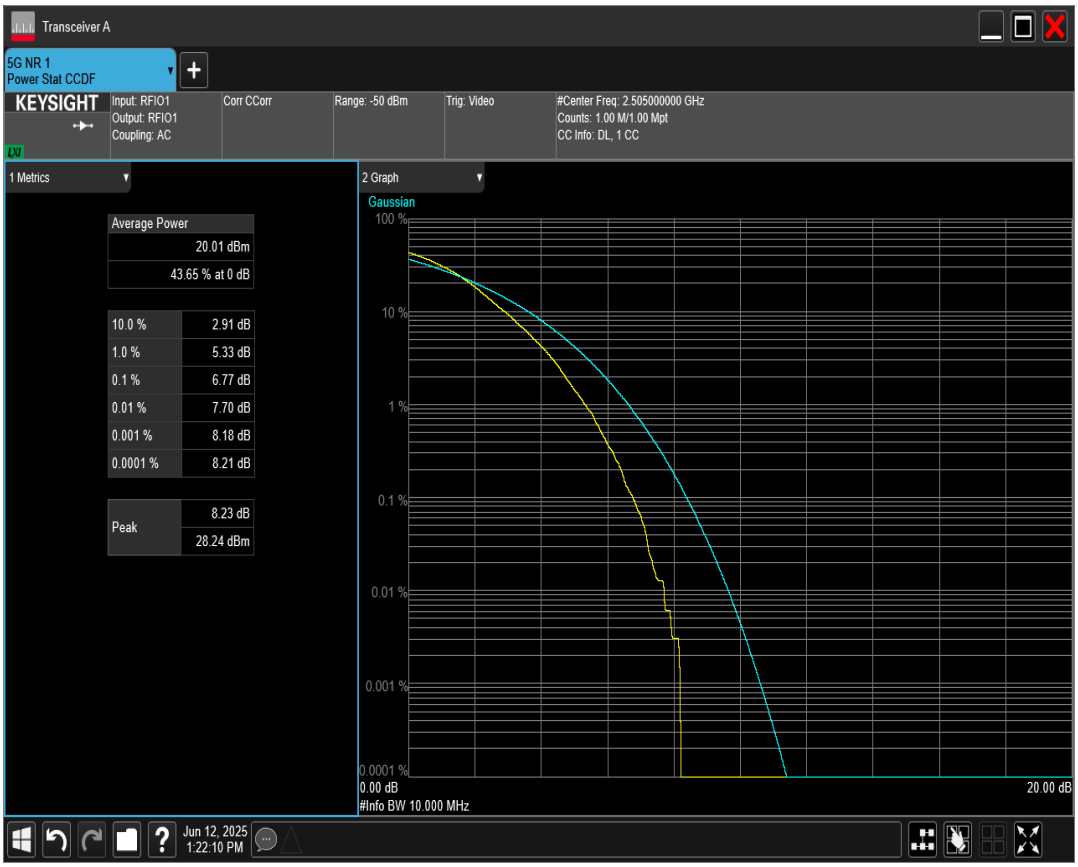


n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=501000 RB=50@0



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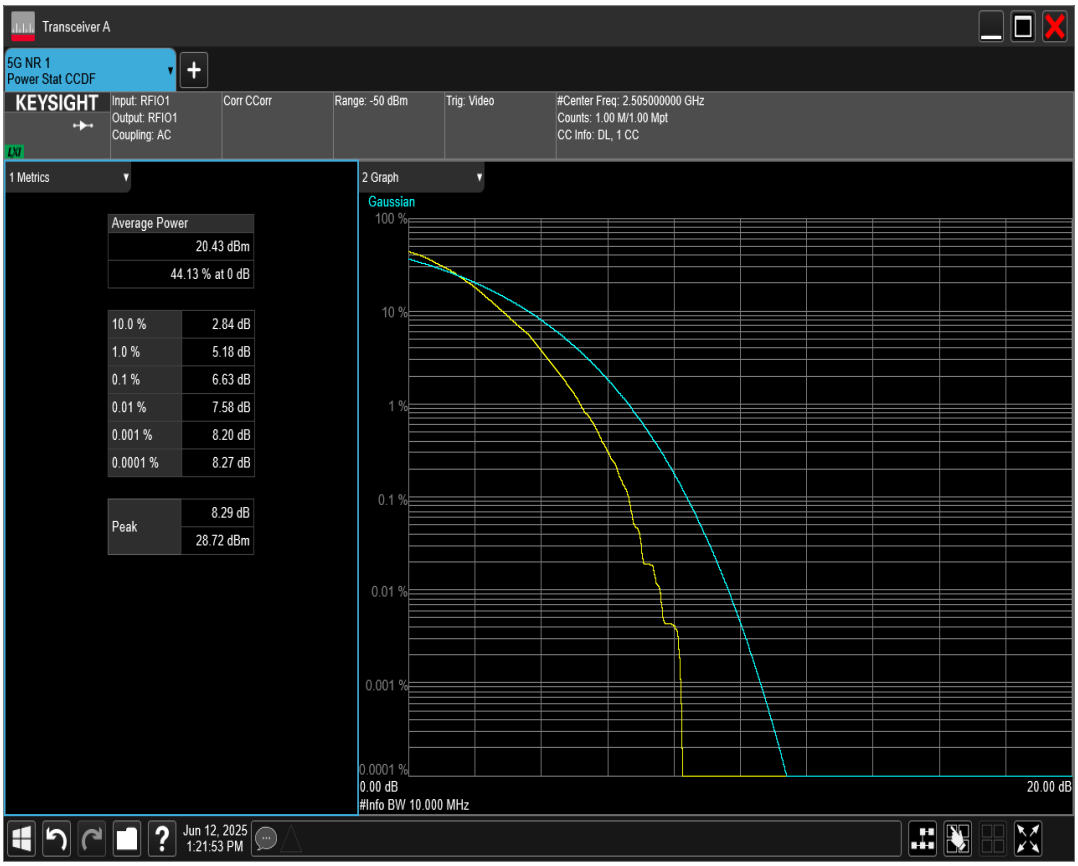

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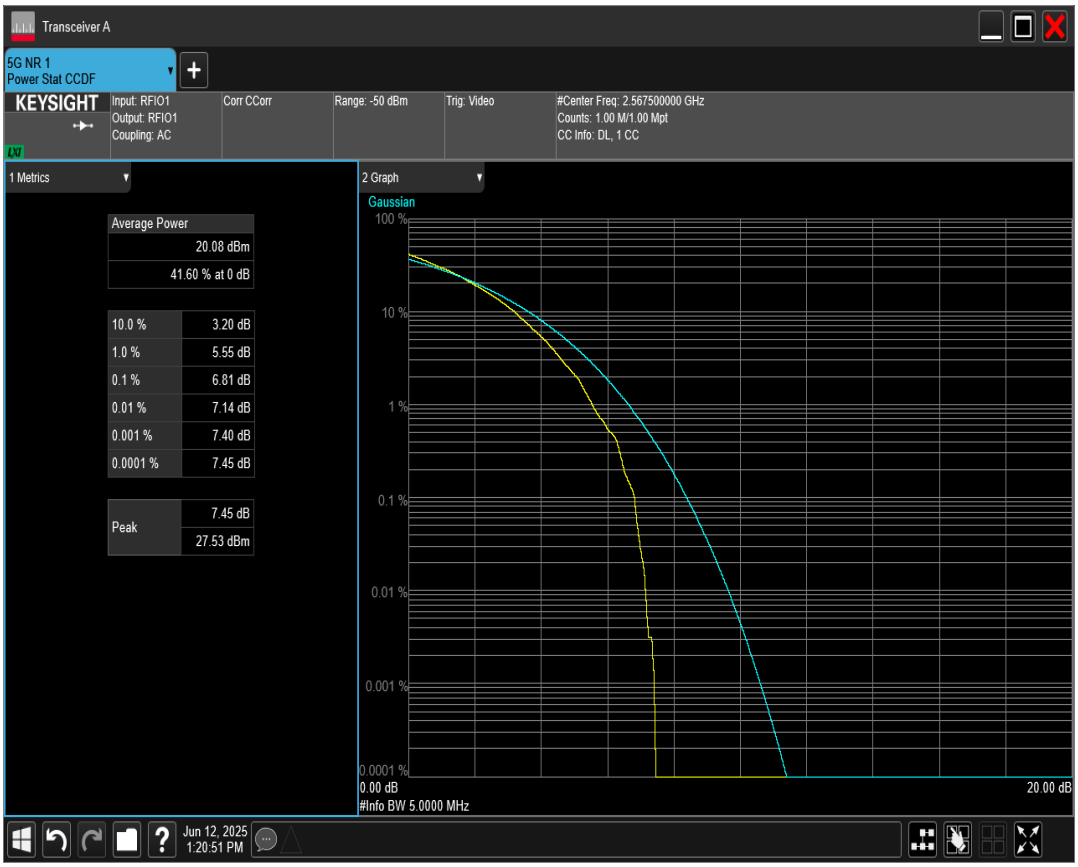

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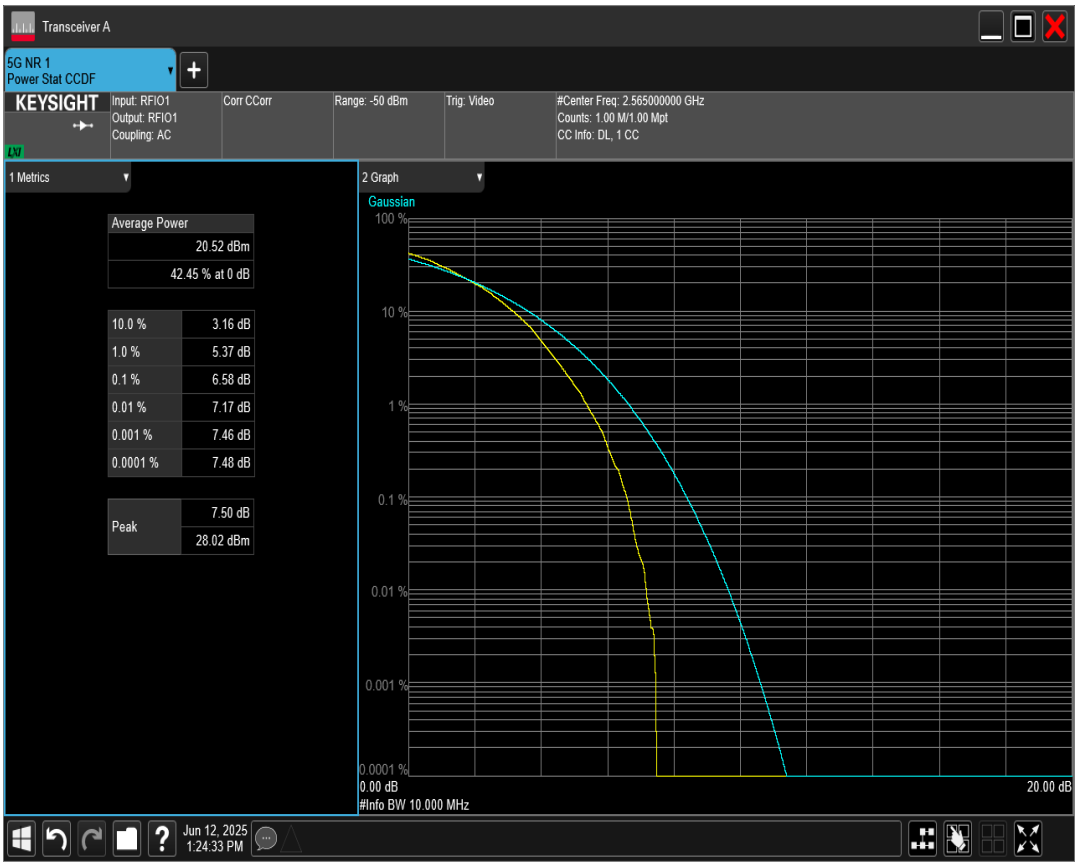
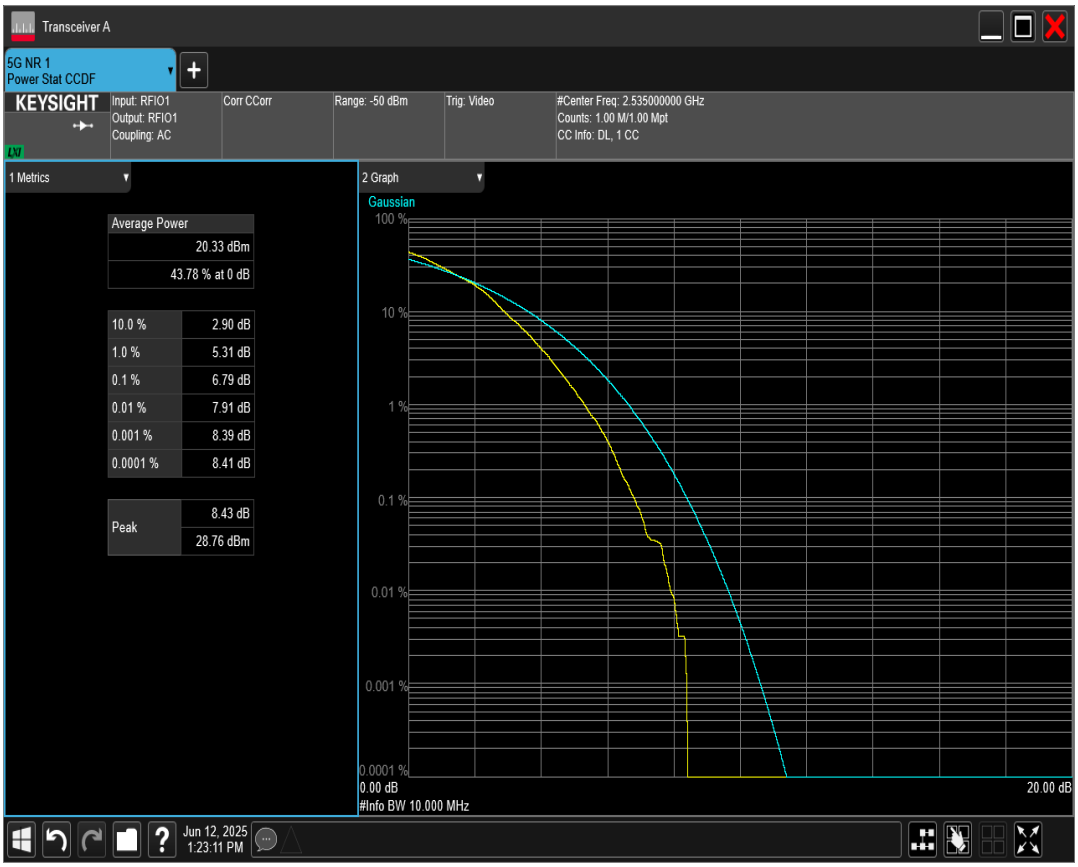


n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=507000 RB=50@0



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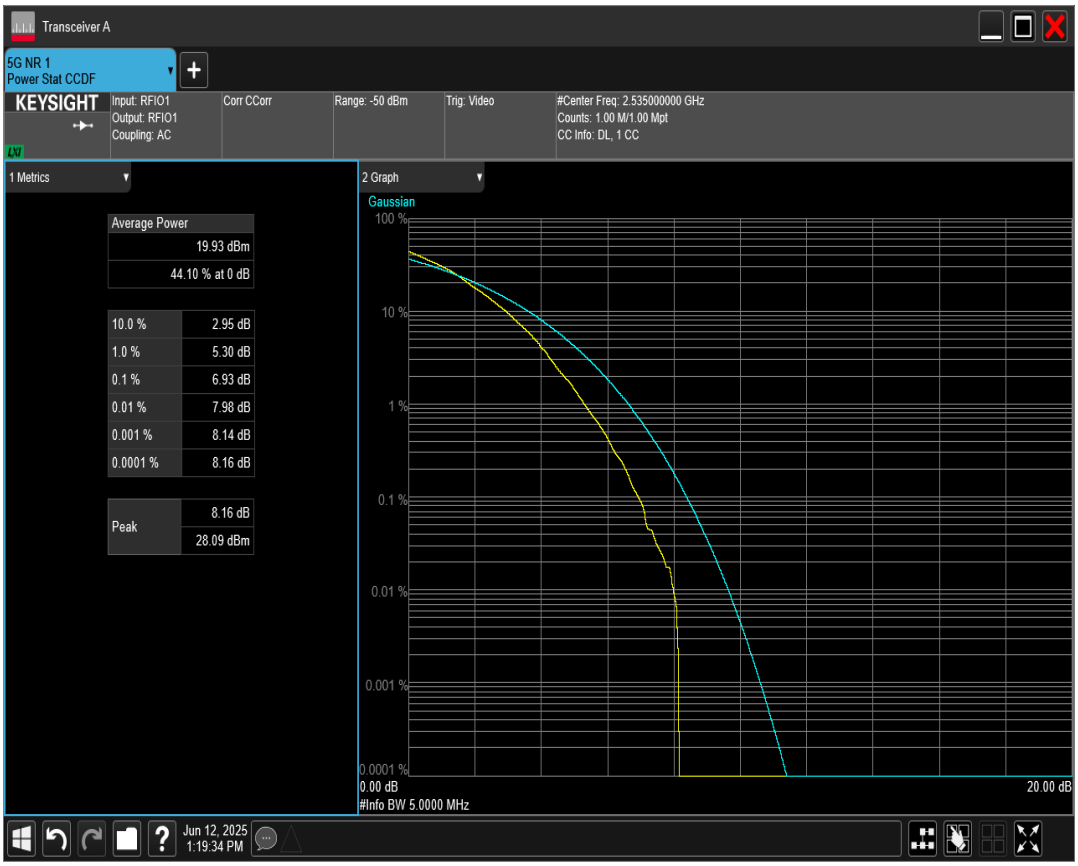
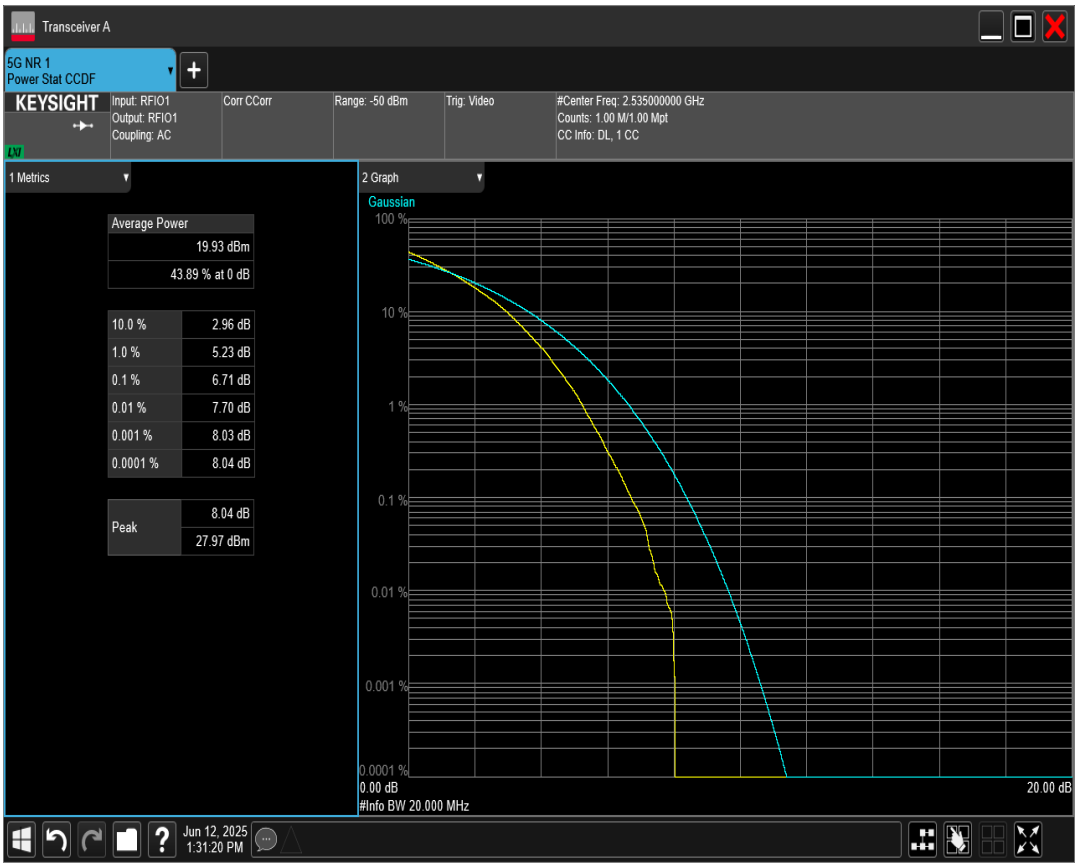
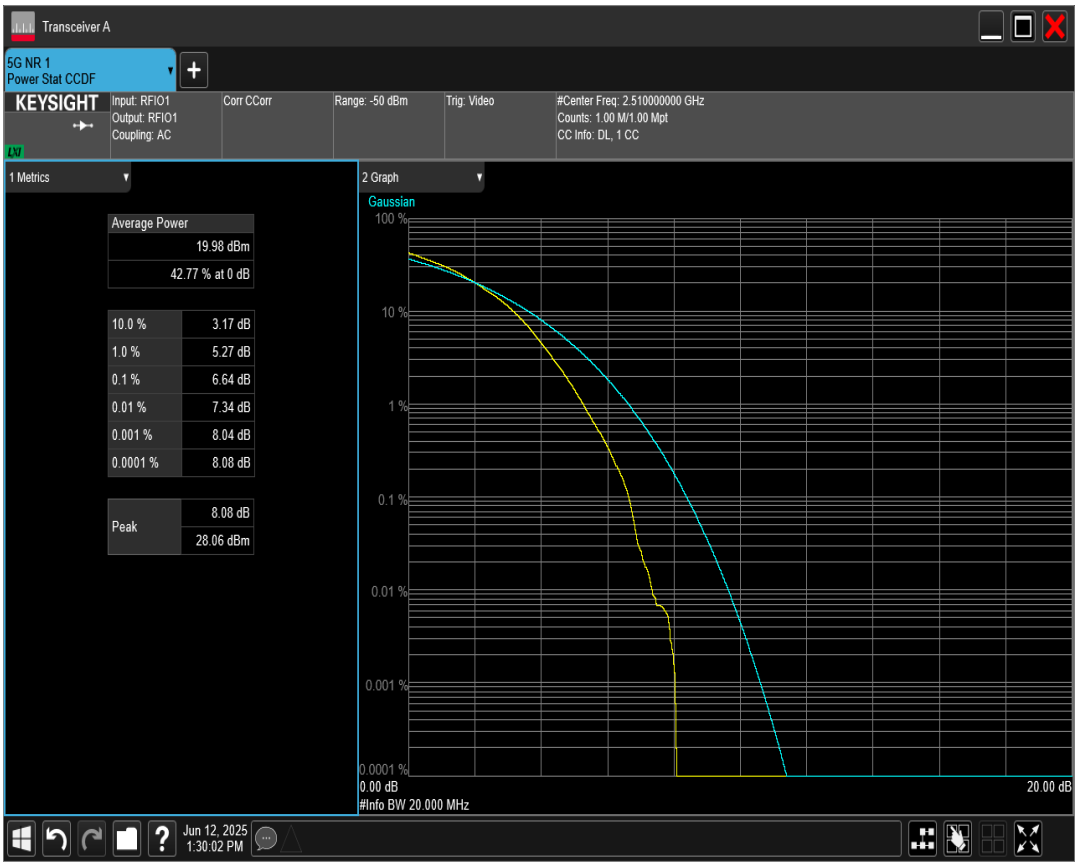


n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0



n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=502000 RB=100@0



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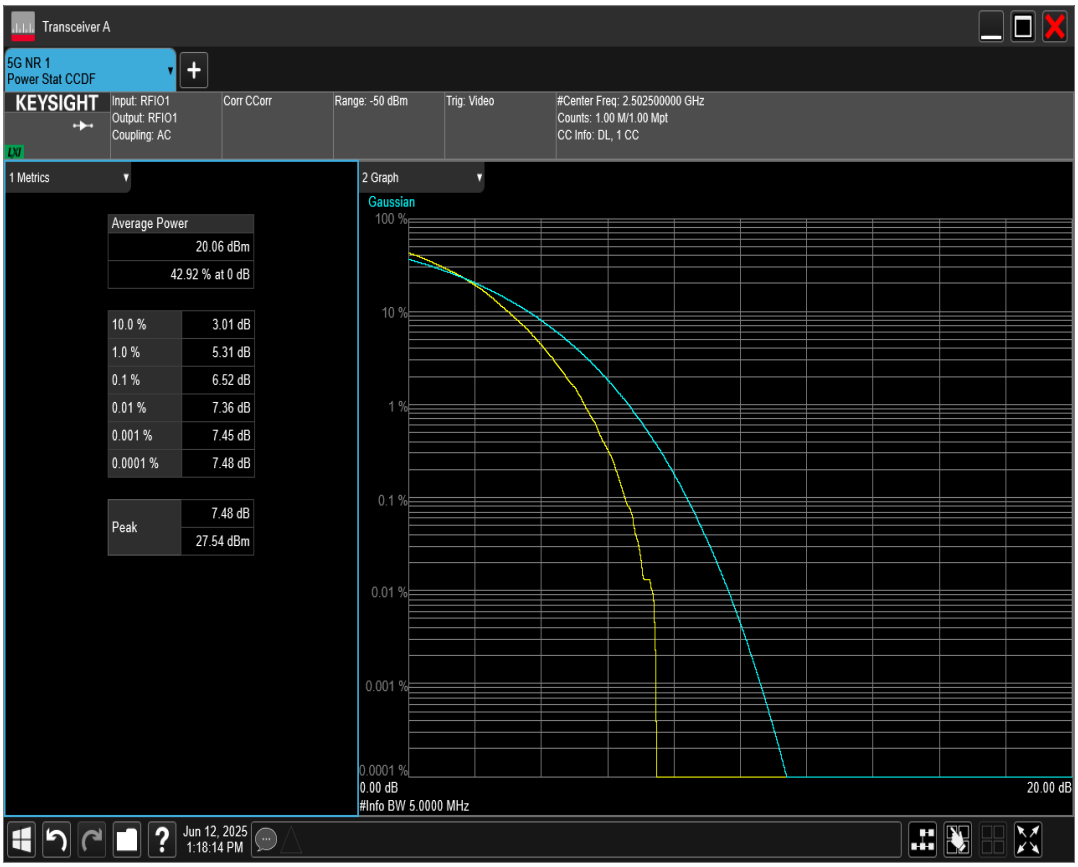

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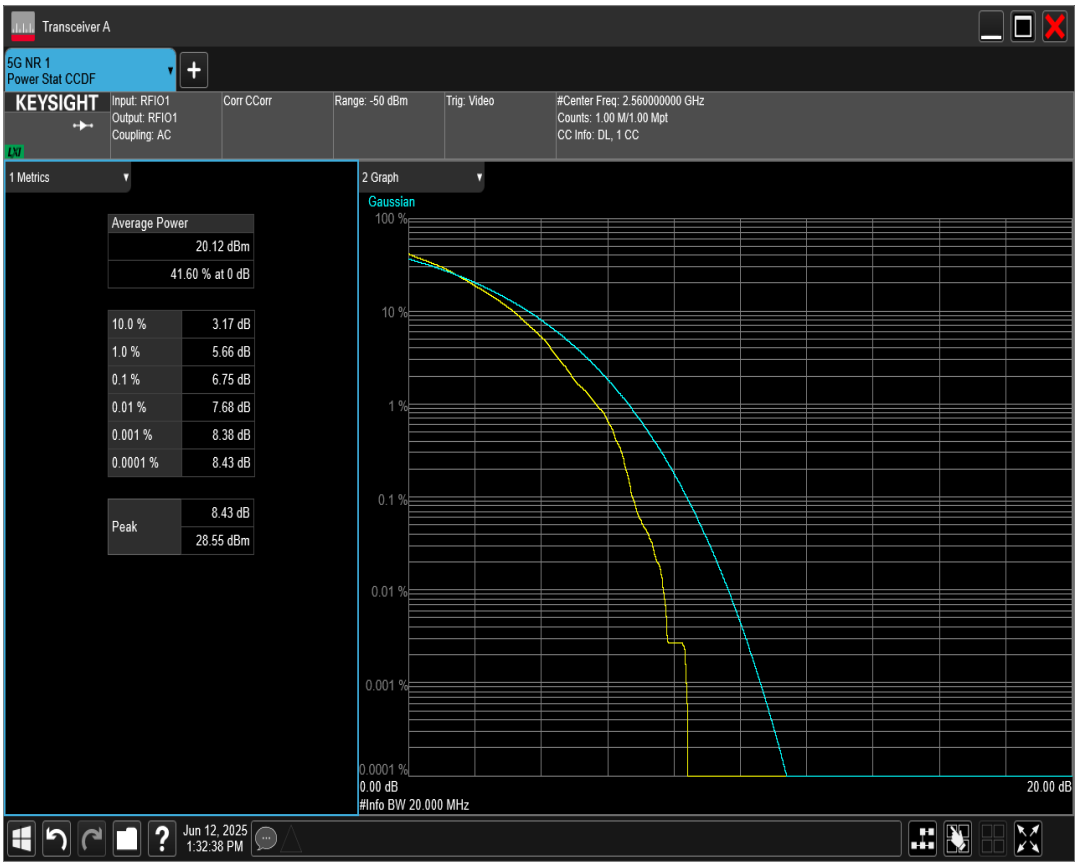

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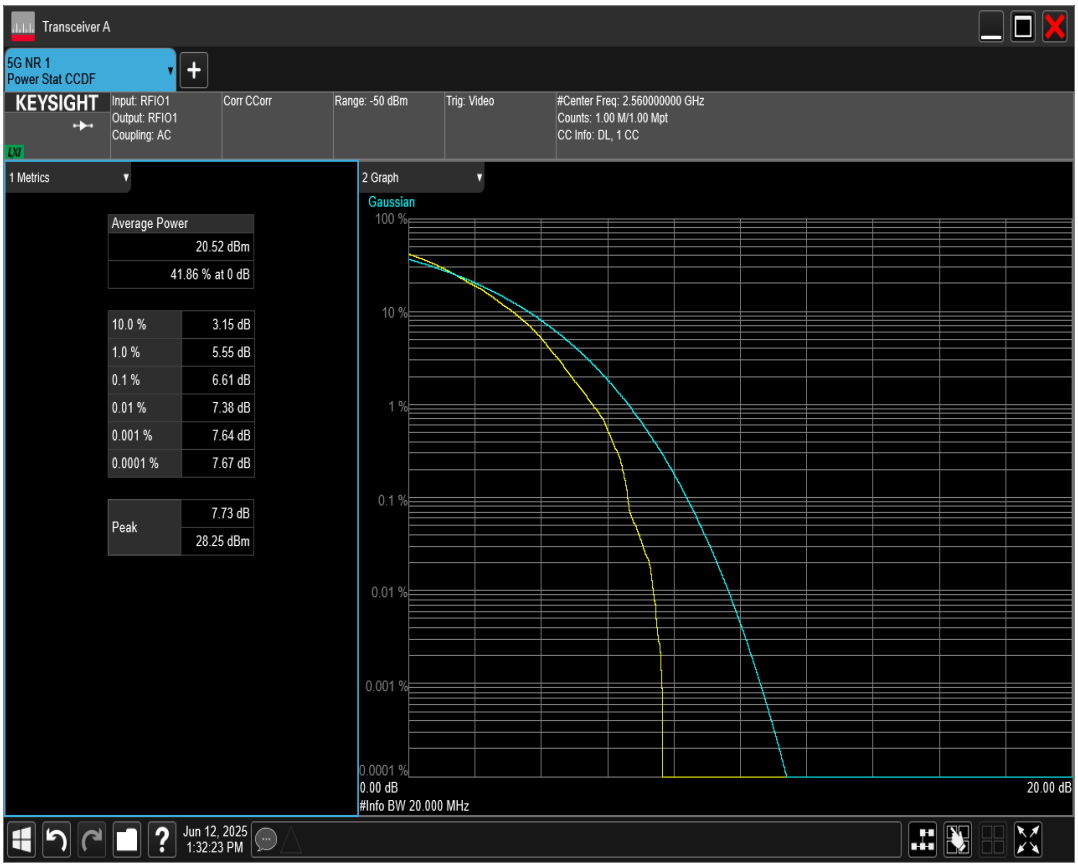

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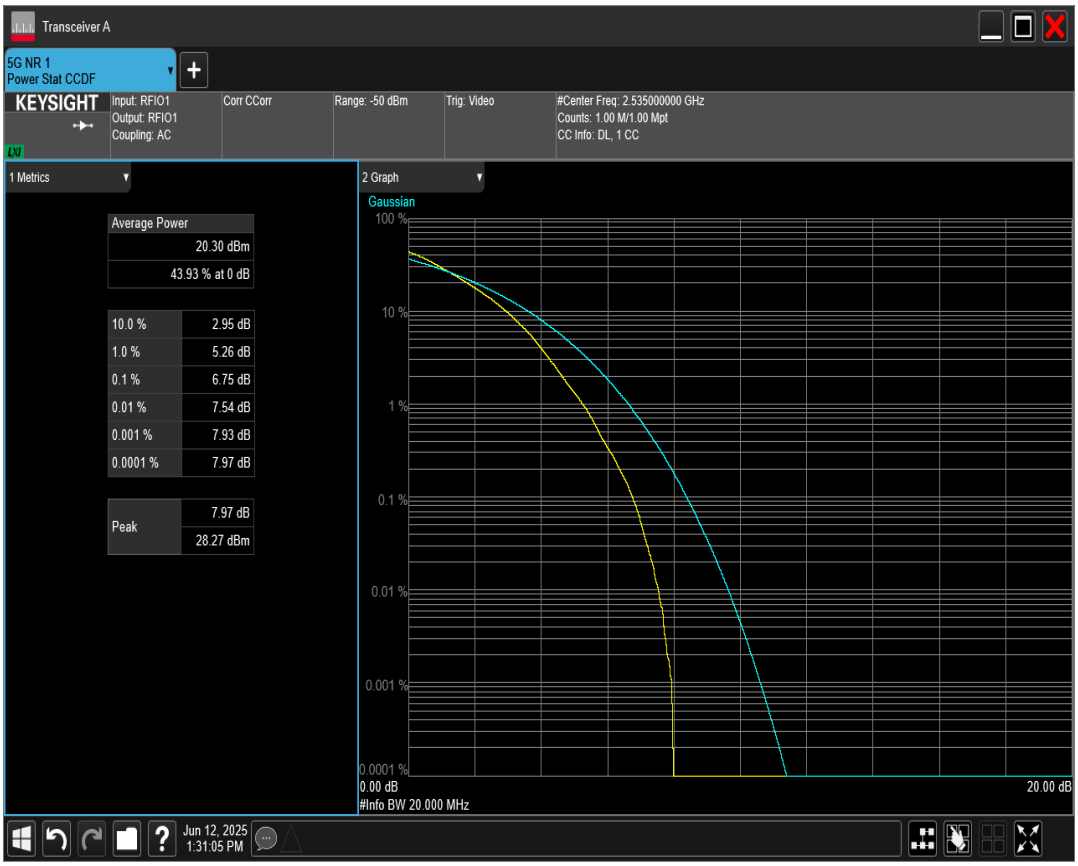

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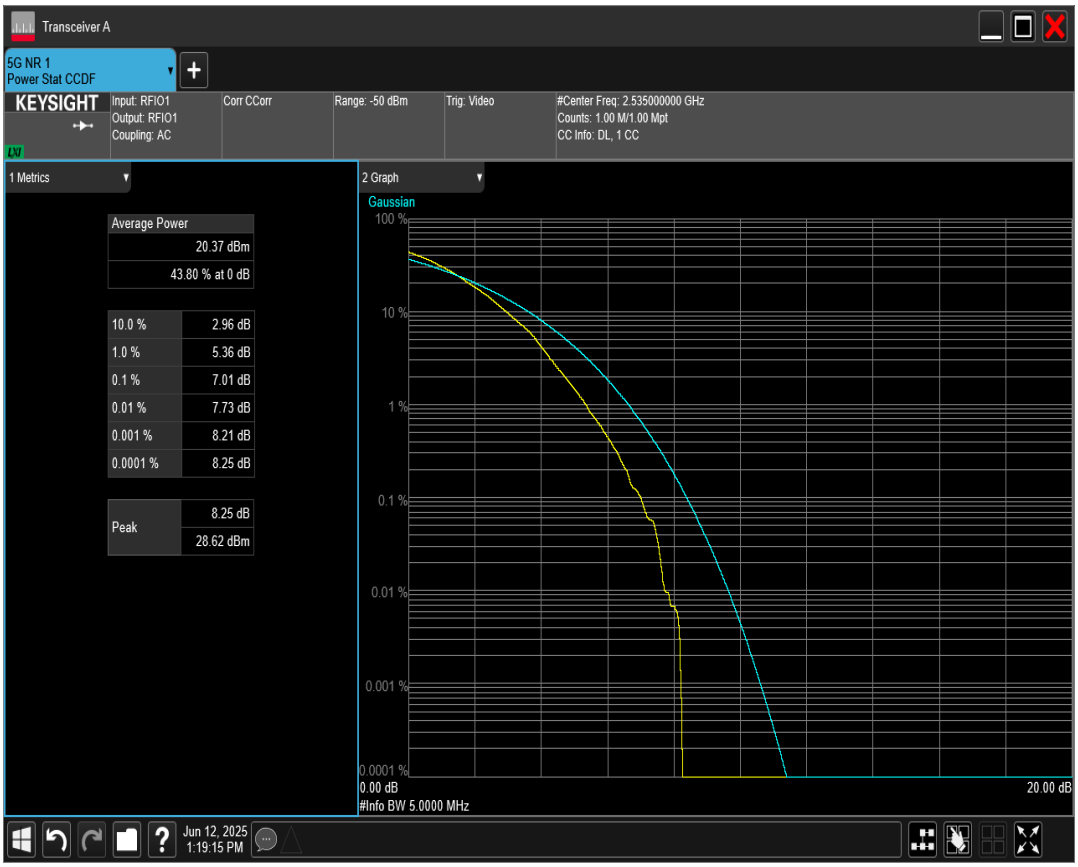
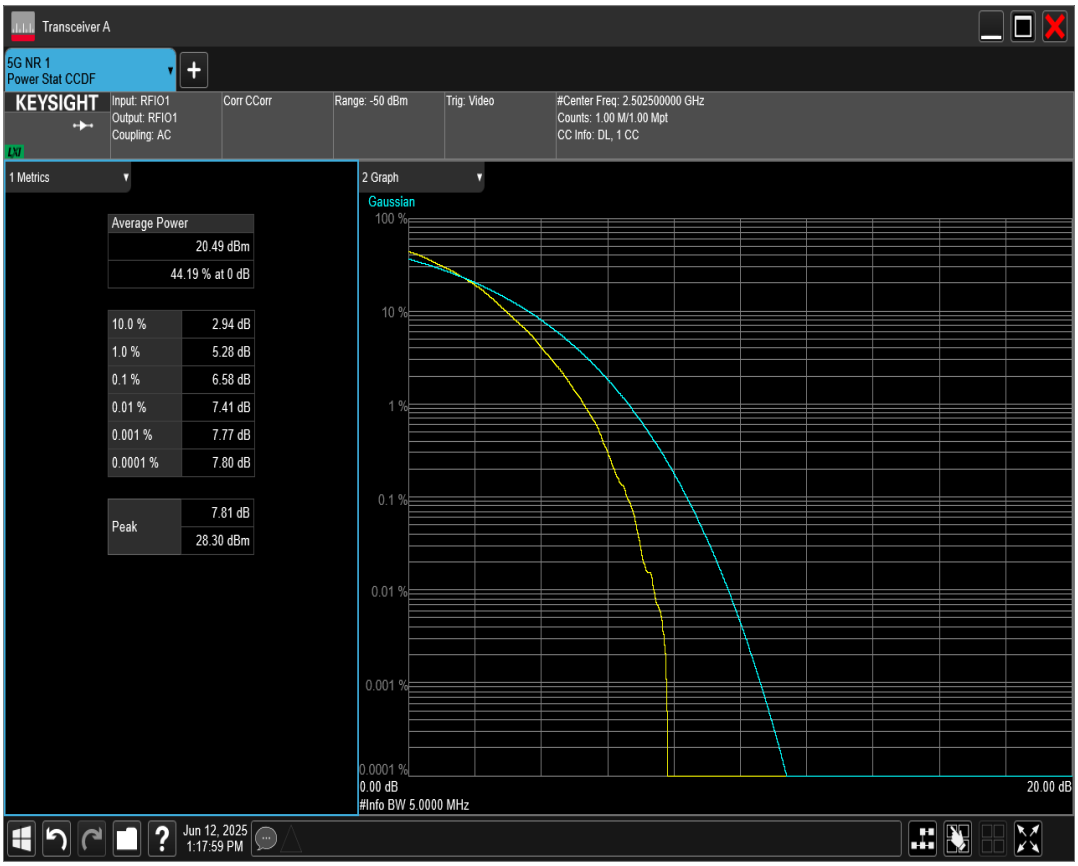
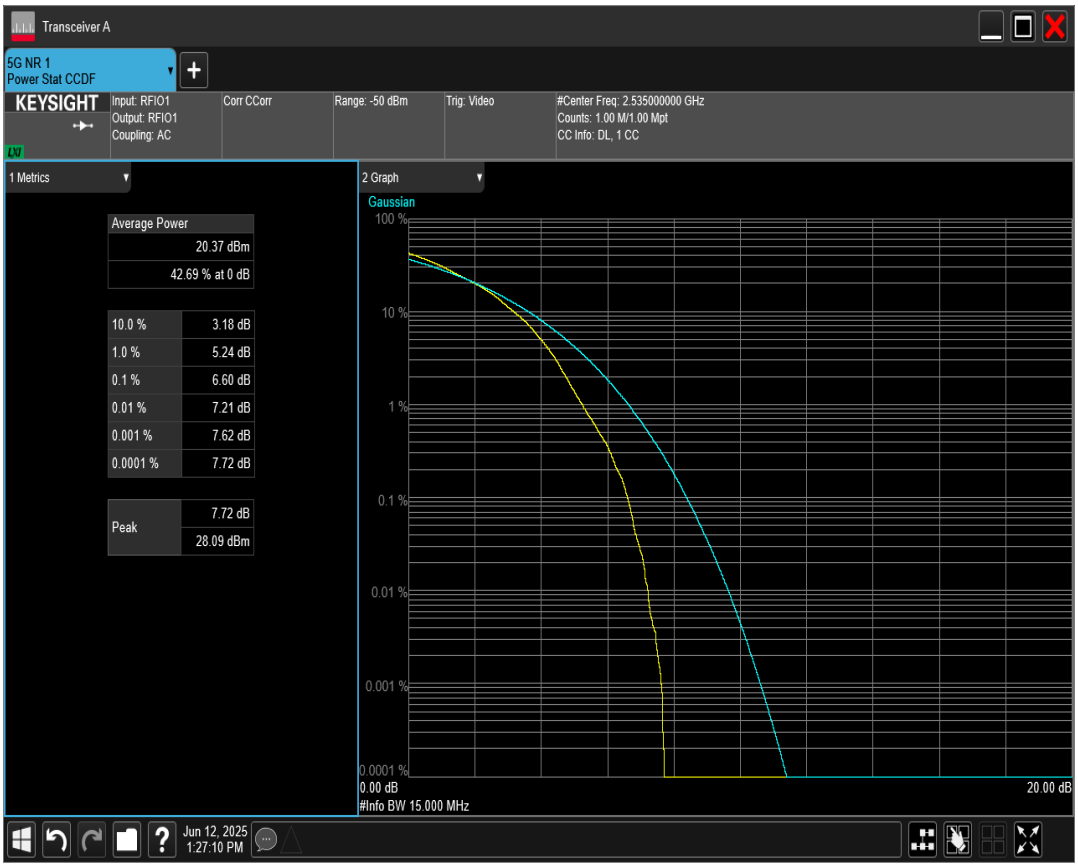


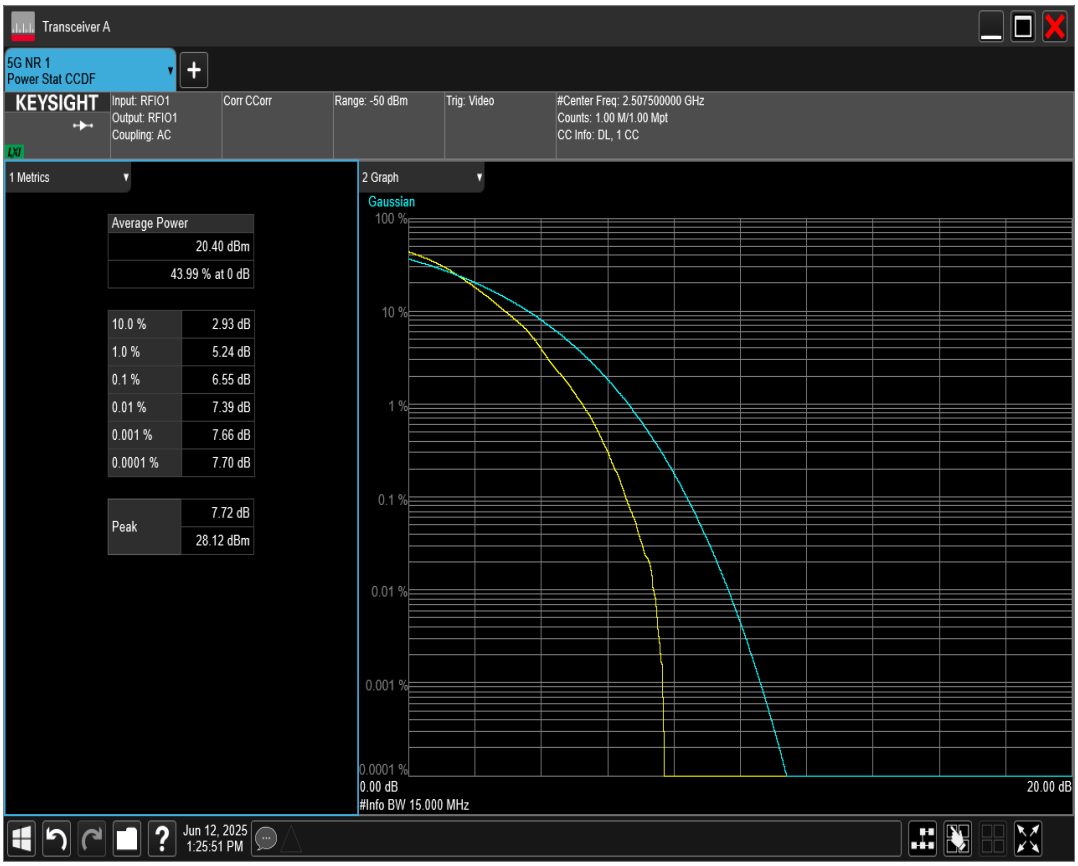
n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=500500 RB=25@0



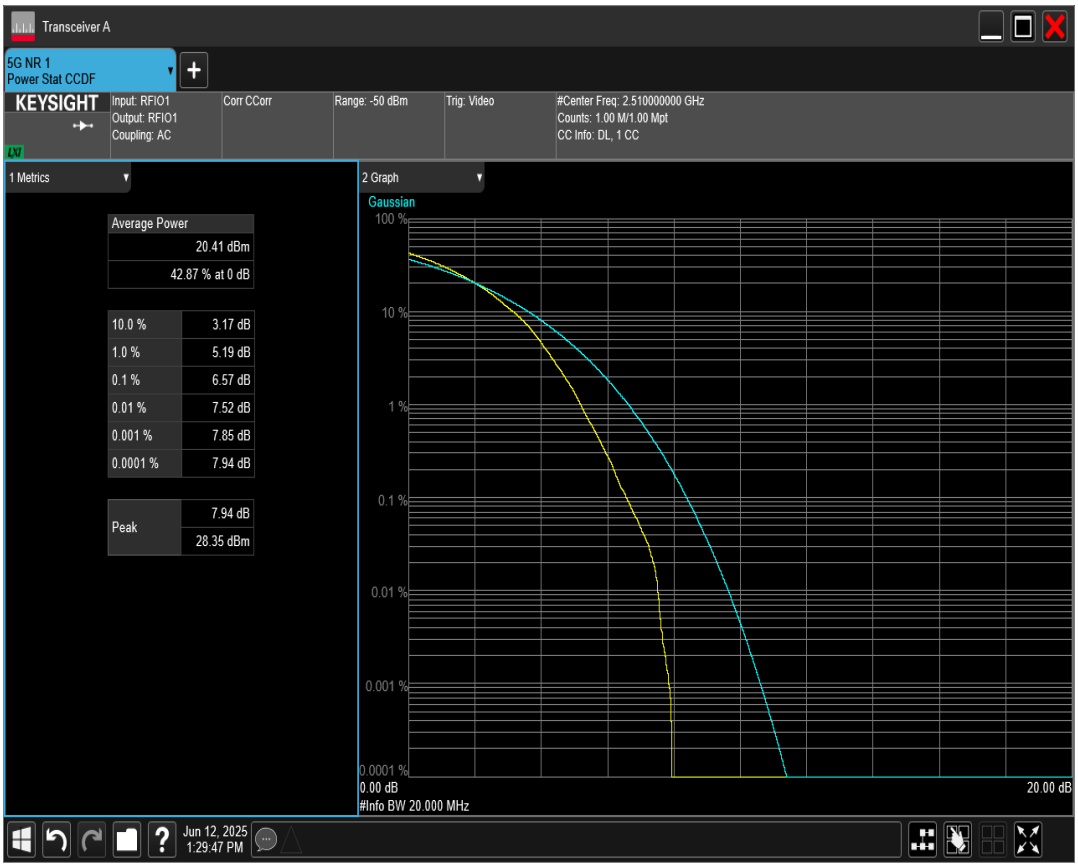
n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=501500 RB=75@0



n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=502000 RB=100@0



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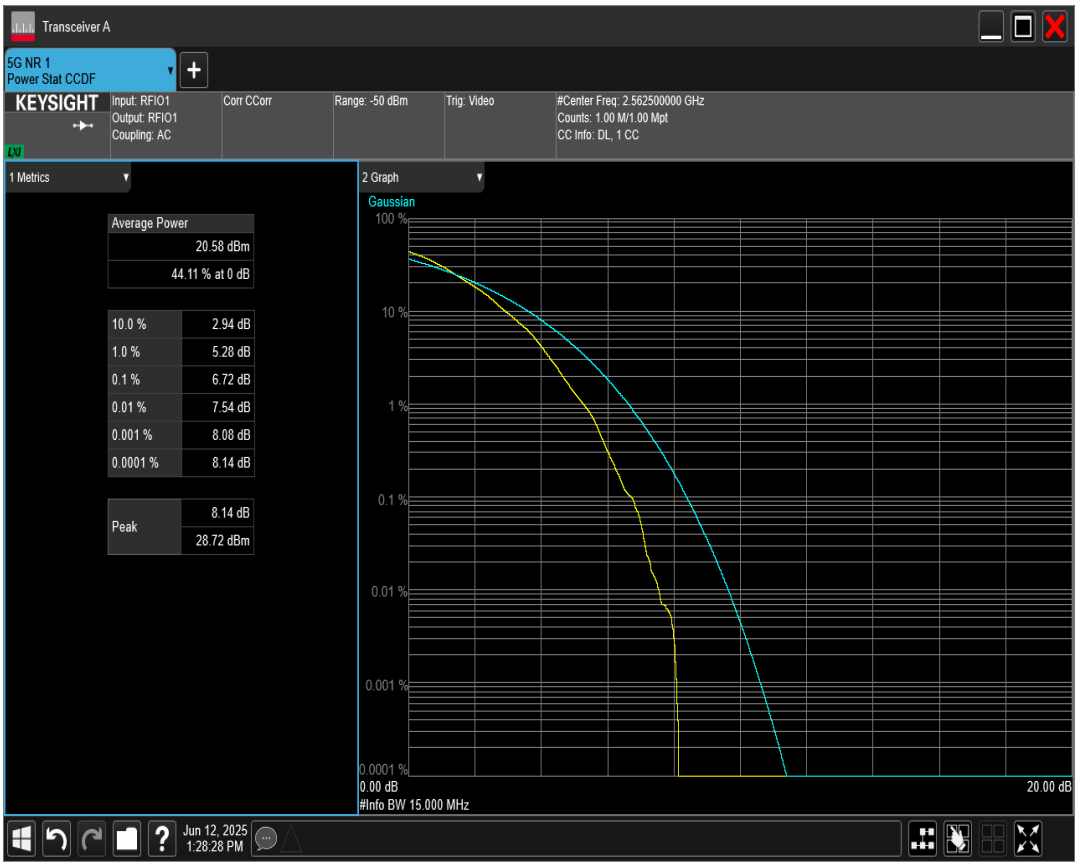

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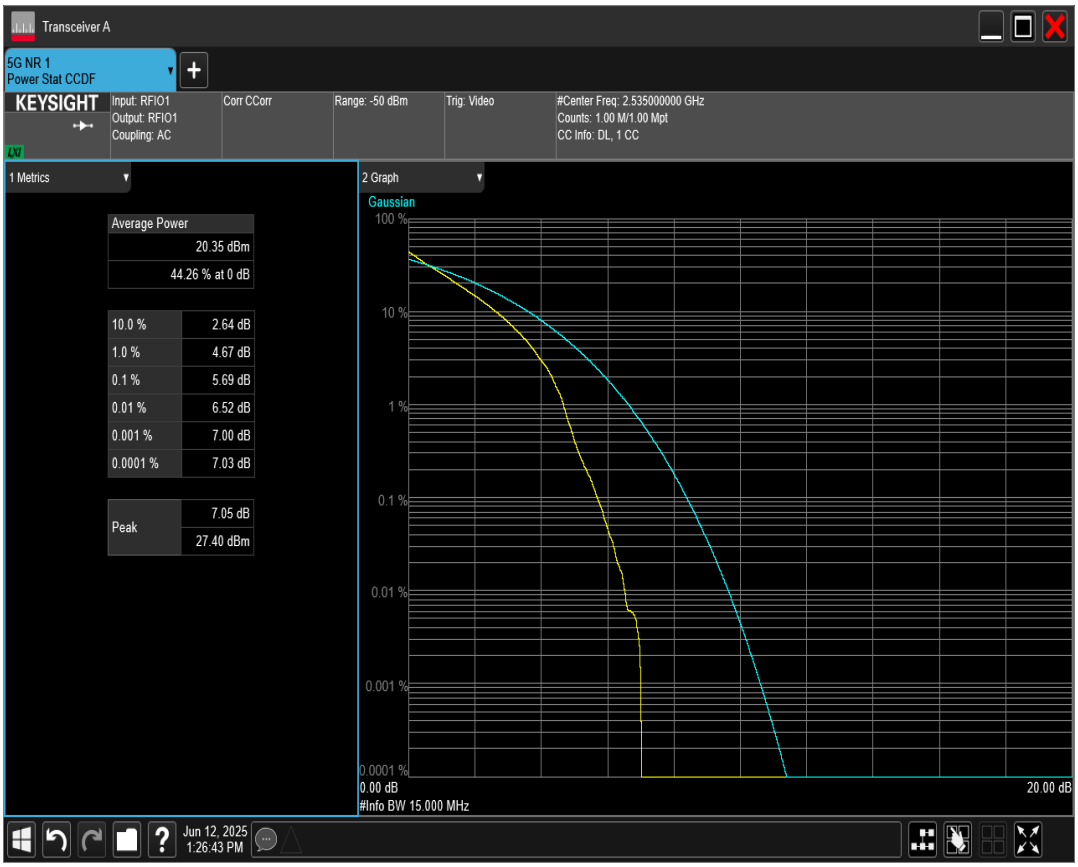

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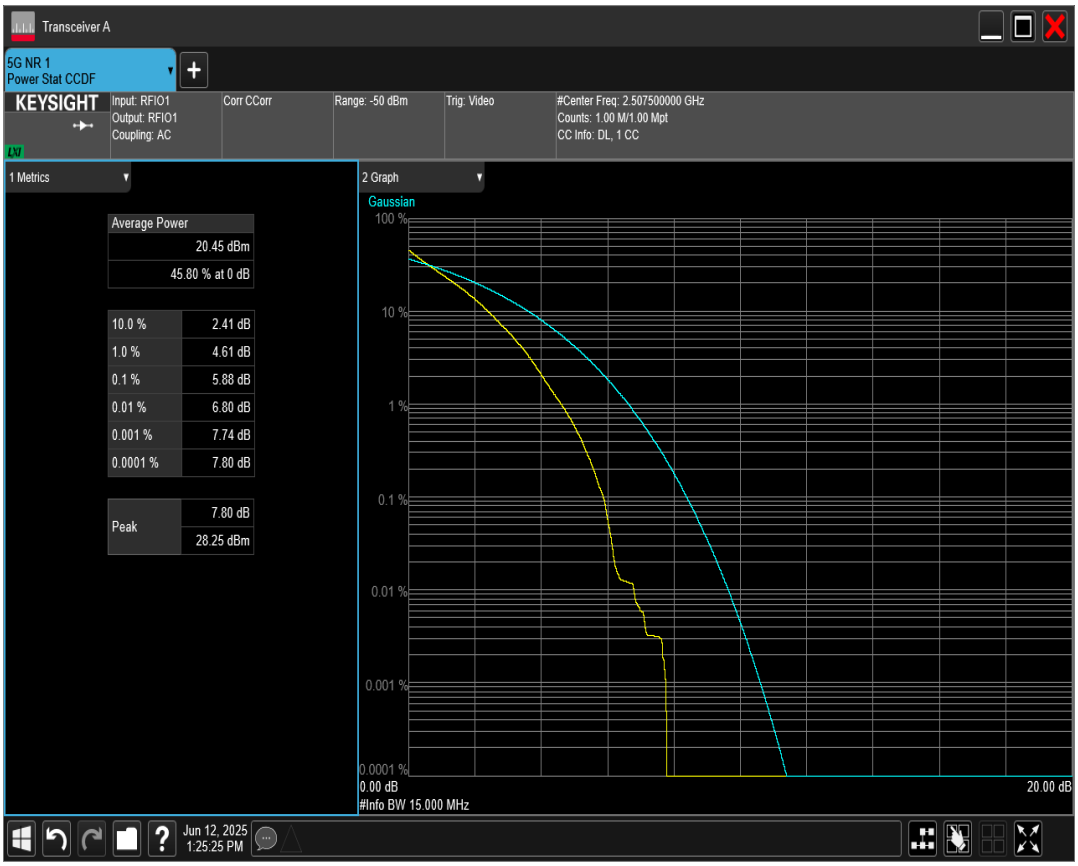
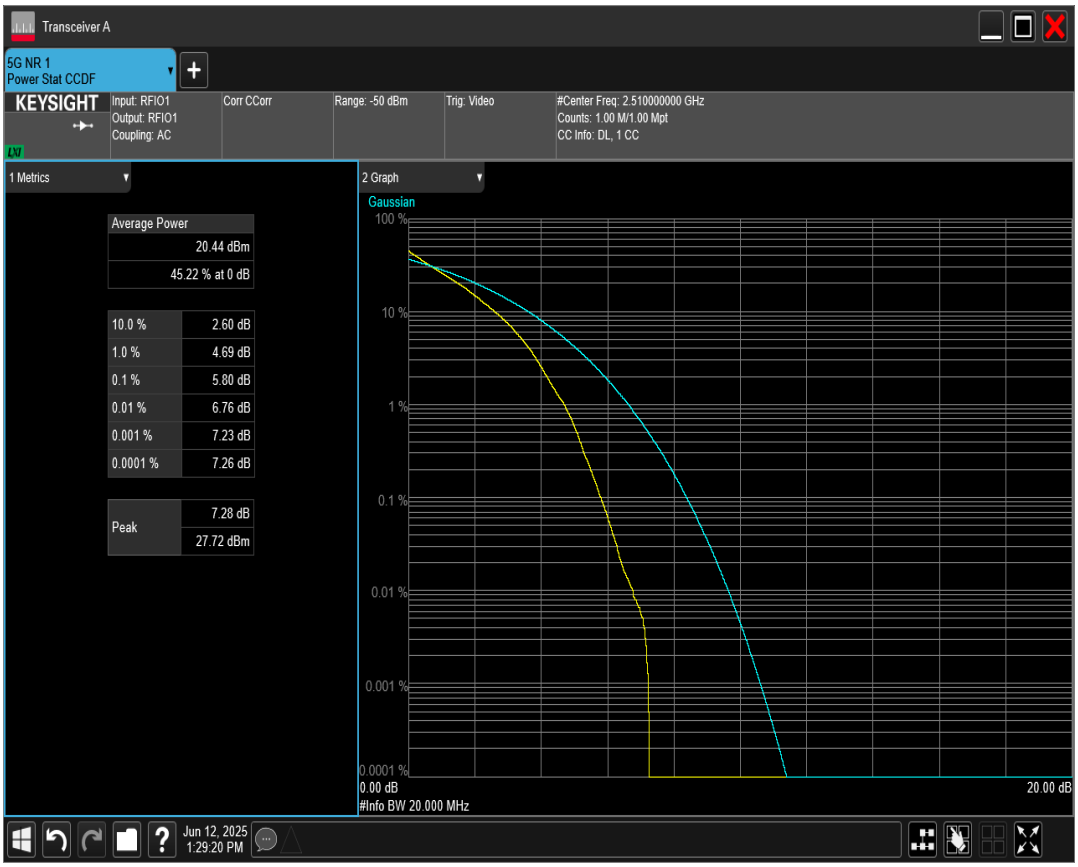
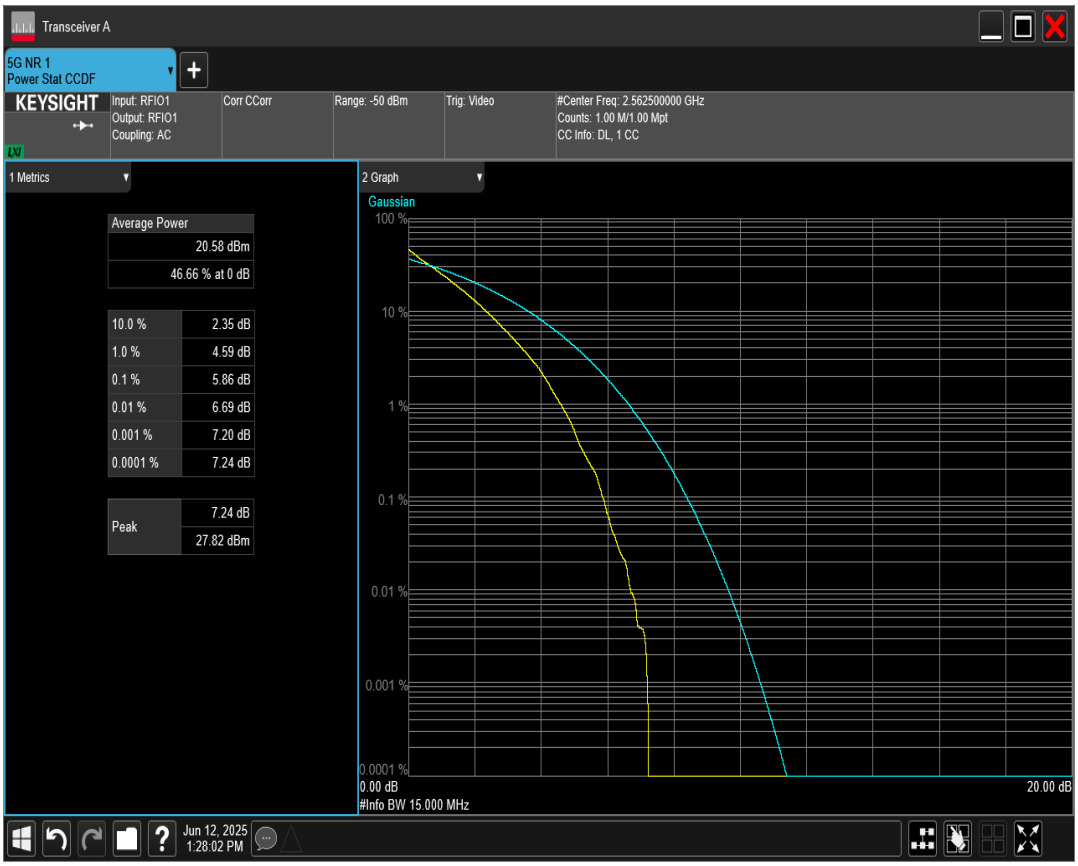


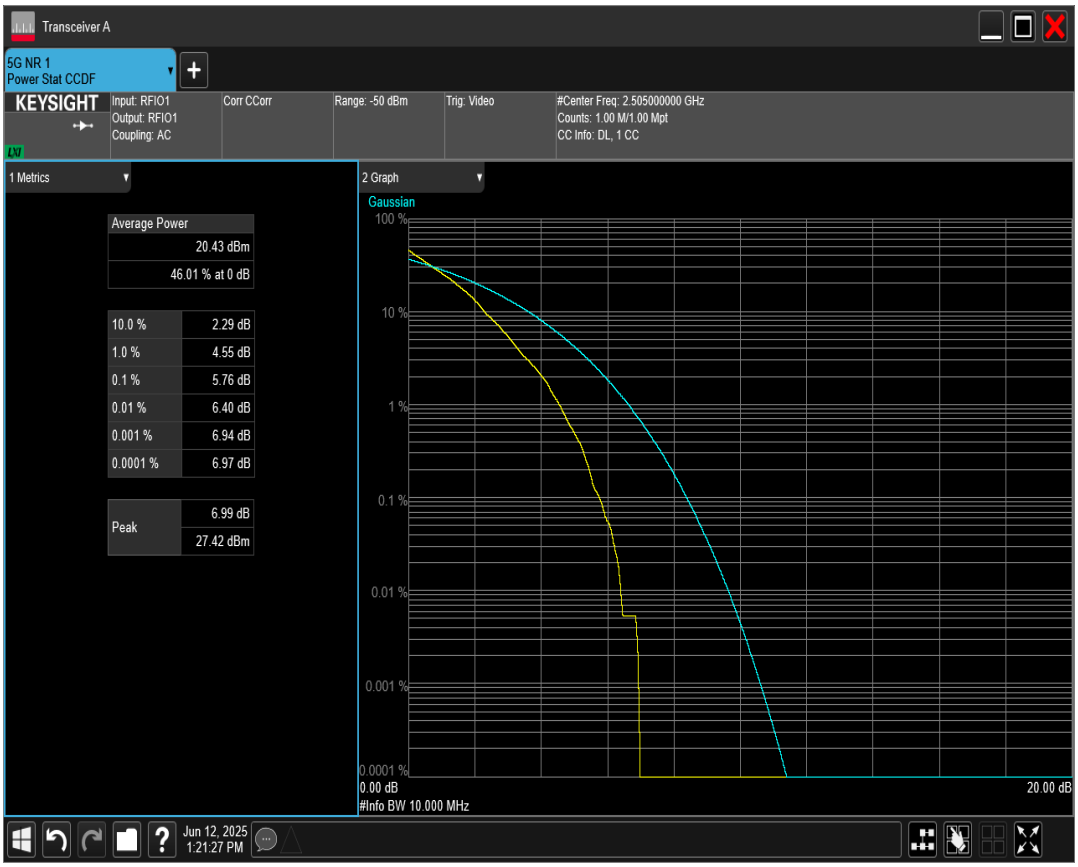
n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=502000 RB=100@0



n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=512500 RB=75@0



n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=501000 RB=50@0



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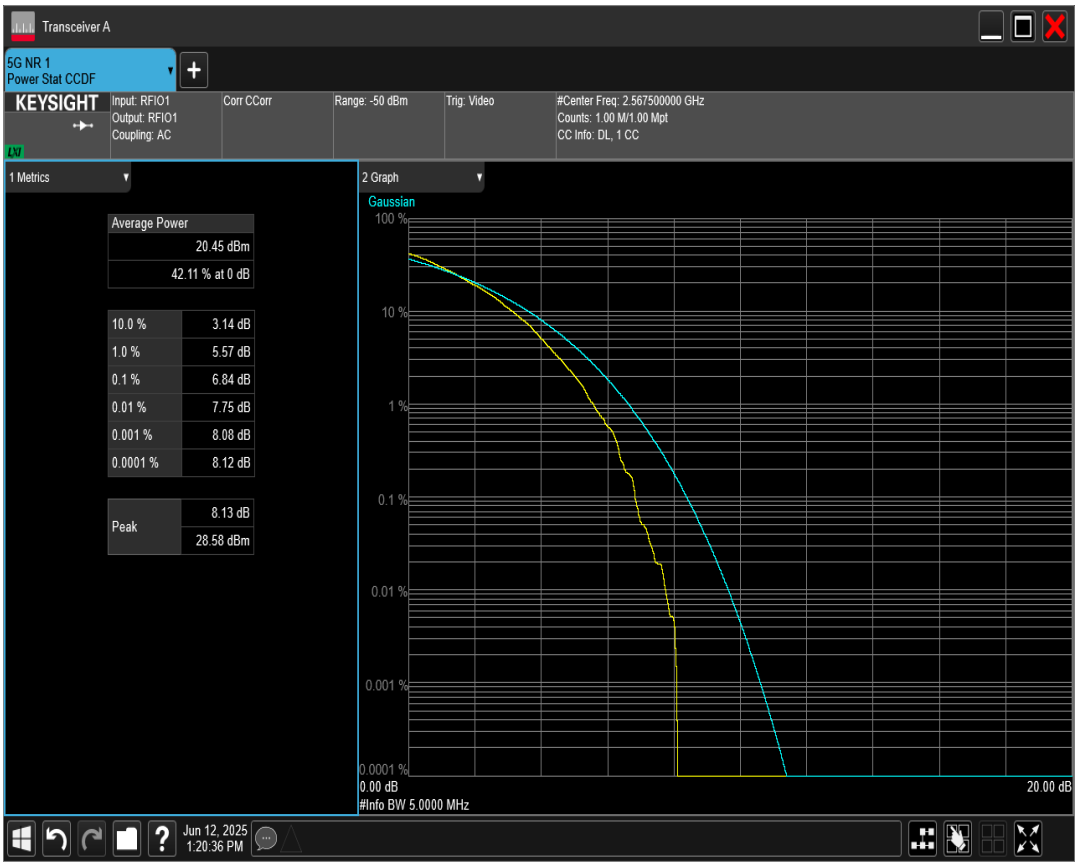

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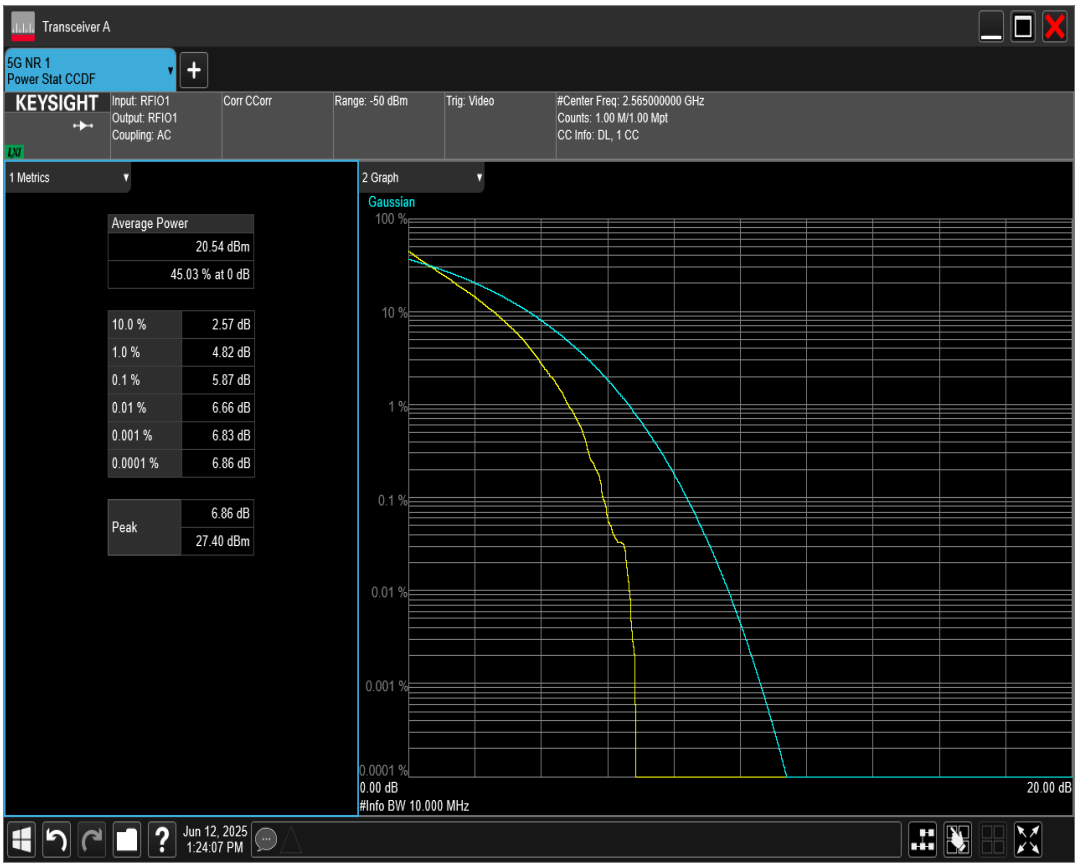

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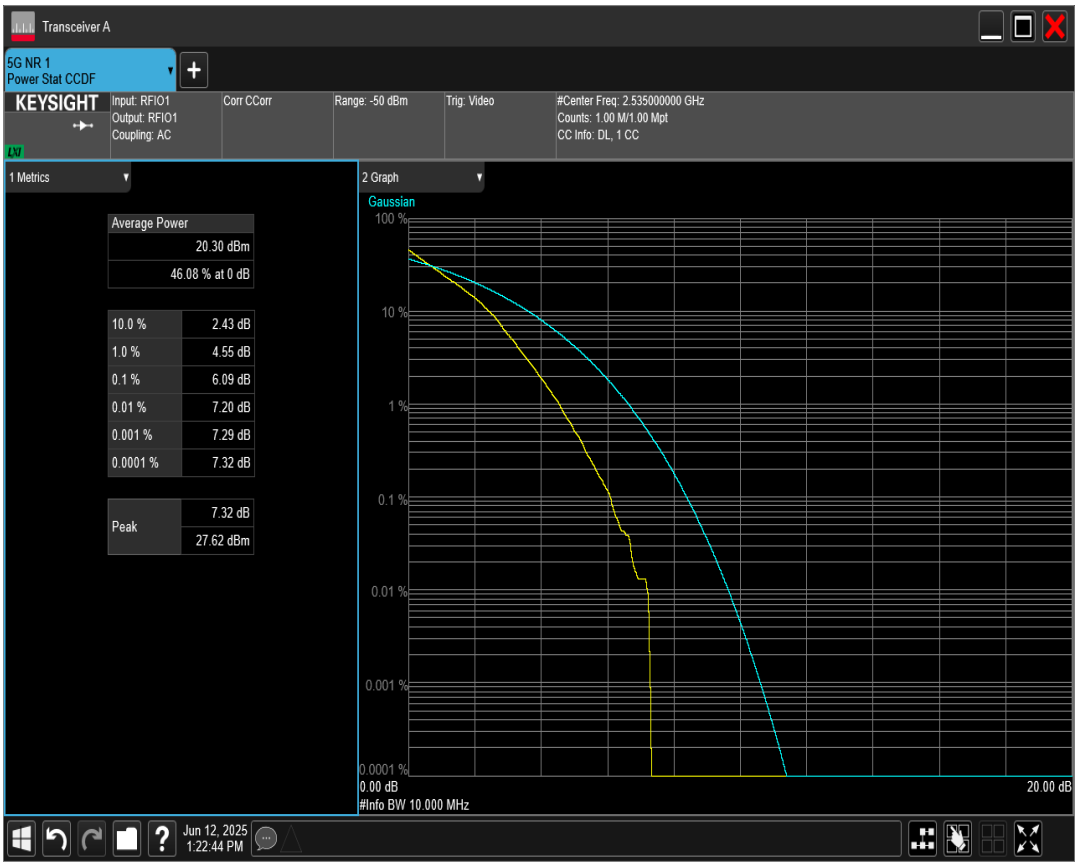

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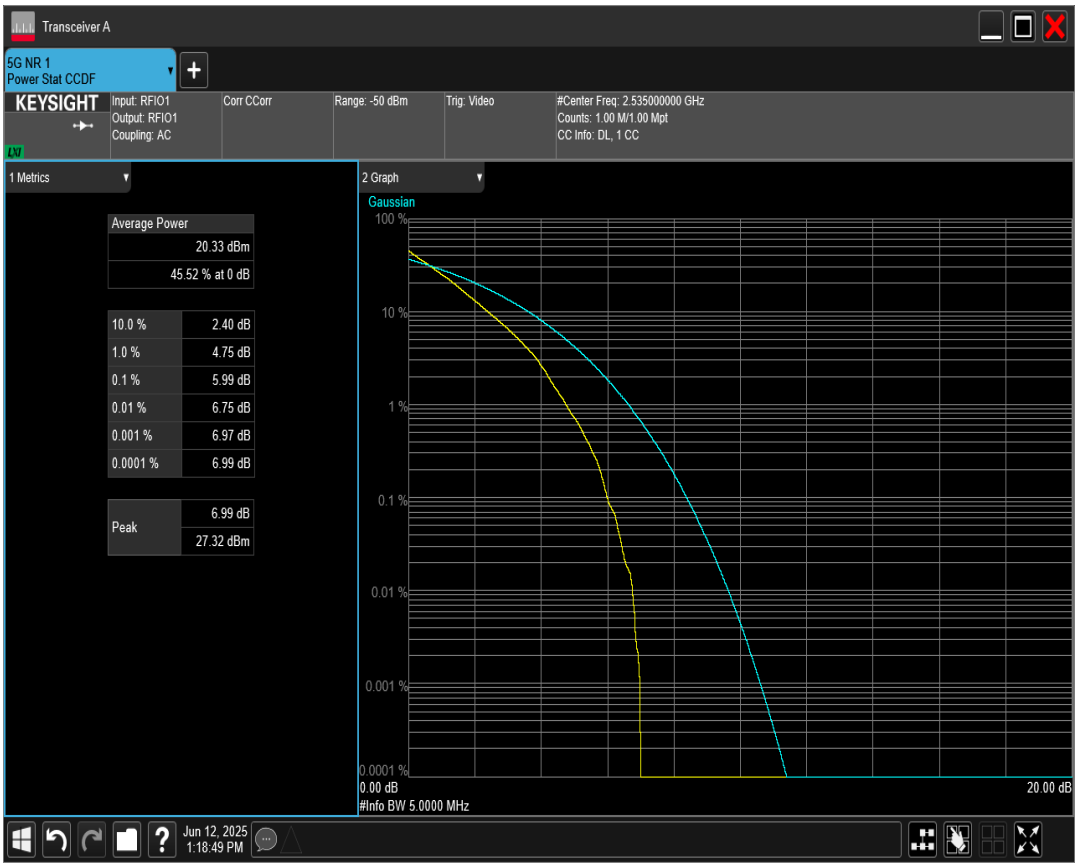

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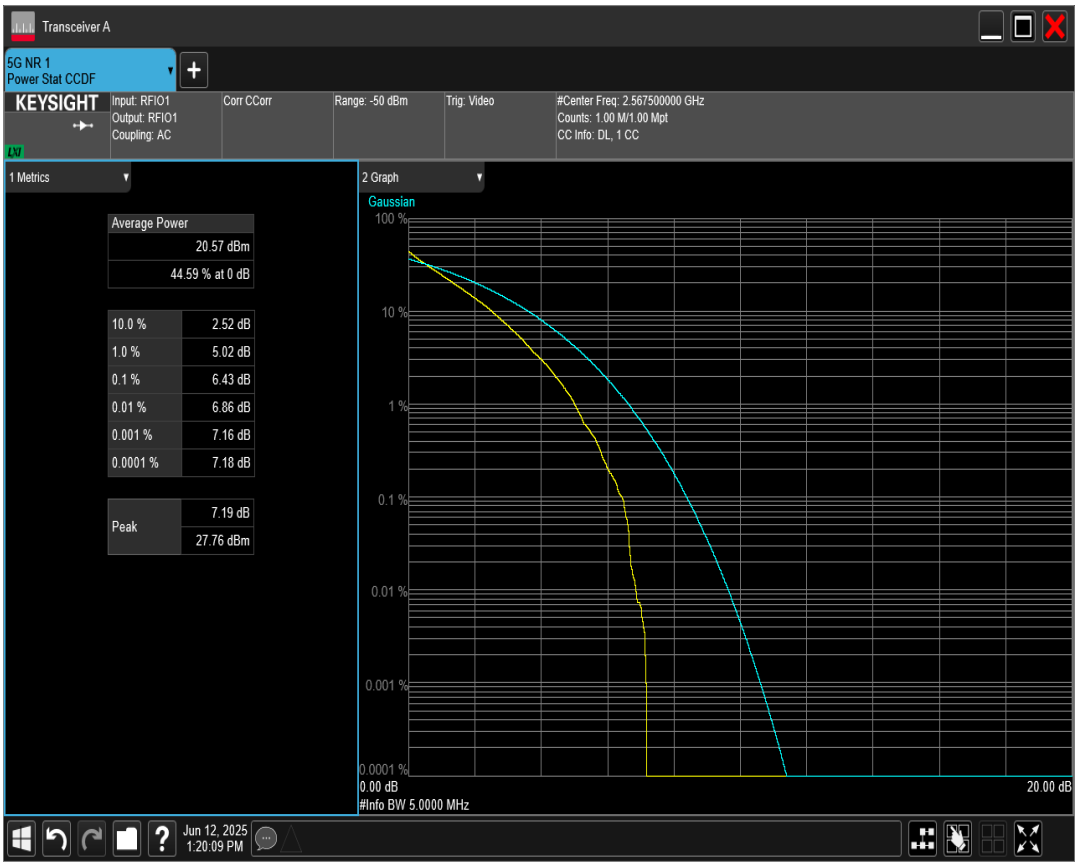

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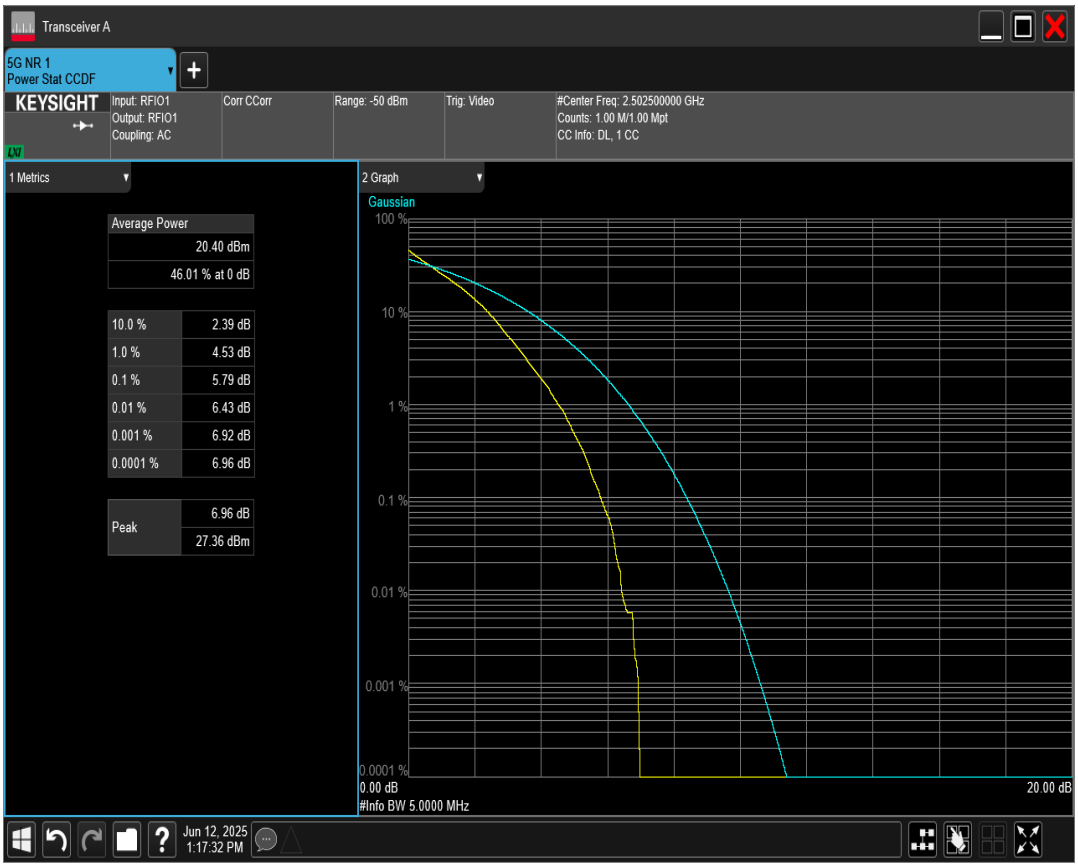

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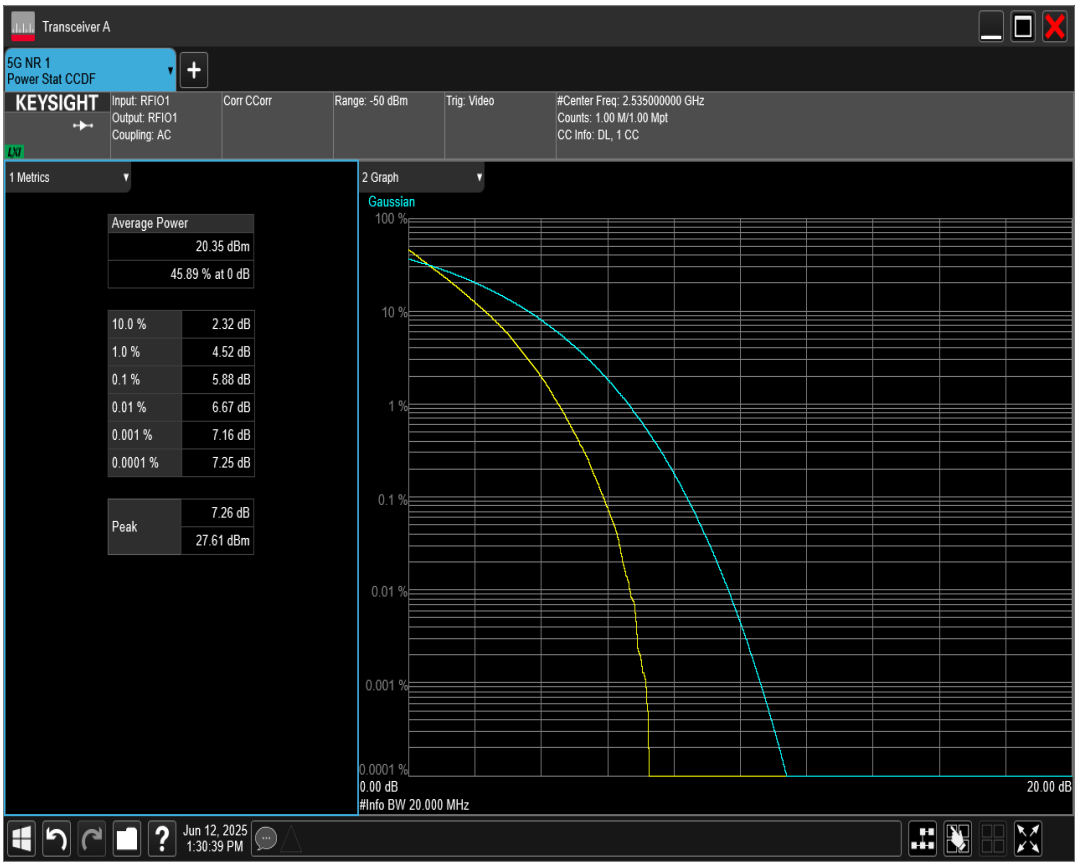
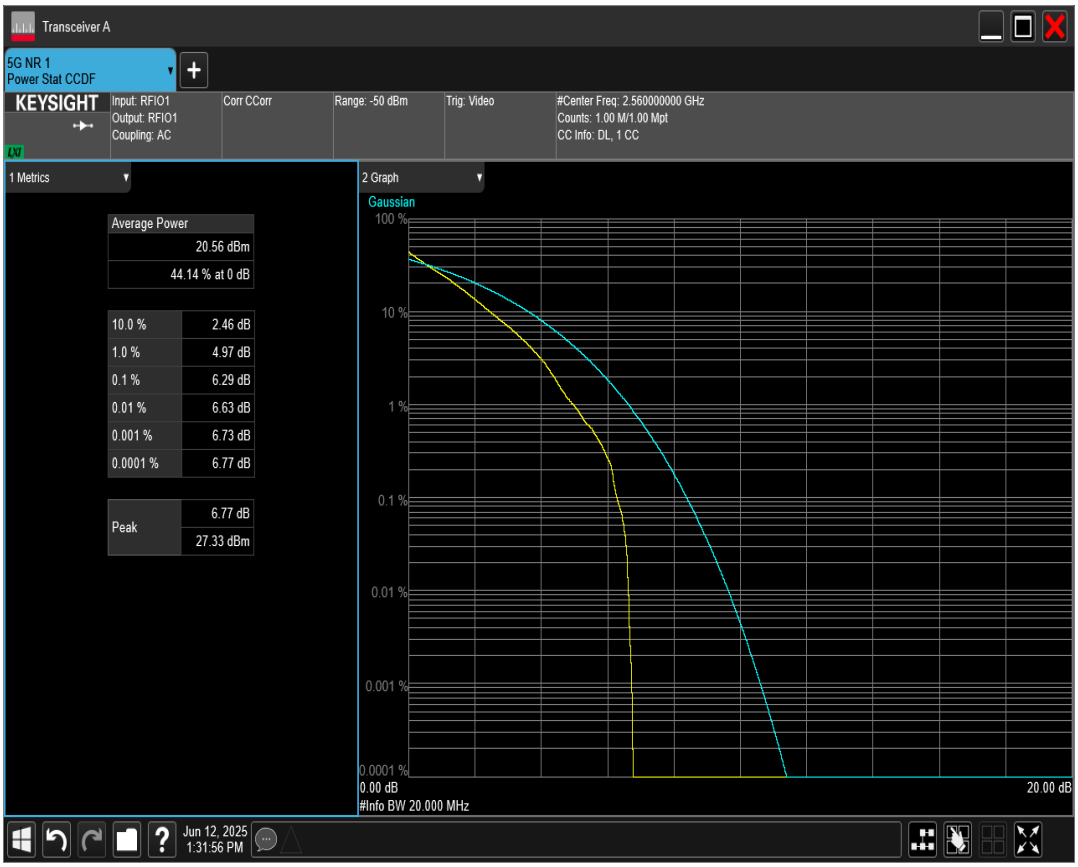


n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=512000 RB=100@0


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 2.560000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
20.56 dBm
44.14 % at 0 dB
10.0 % 2.46 dB
1.0 % 4.97 dB
0.1 % 6.29 dB
0.01 % 6.63 dB
0.001 % 6.73 dB
0.0001 % 6.77 dB
Peak 6.77 dB
27.33 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 20.000 MHz
Jun 12, 2025
1:31:56 PM

4 Occupied bandwidth for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n7	15	5	507000	25@0	DFT_BPSK	4.470	4.630	PASS
n7	15	5	507000	25@0	DFT_QPSK	4.460	4.650	PASS
n7	15	5	507000	25@0	DFT_QAM16	4.460	4.650	PASS
n7	15	5	507000	25@0	DFT_QAM64	4.470	4.630	PASS
n7	15	5	507000	25@0	DFT_QAM256	4.460	4.630	PASS
n7	15	10	507000	50@0	DFT_BPSK	9.240	9.130	PASS
n7	15	10	507000	50@0	DFT_QPSK	9.200	9.100	PASS
n7	15	10	507000	50@0	DFT_QAM16	9.260	9.160	PASS
n7	15	10	507000	50@0	DFT_QAM64	9.200	9.100	PASS
n7	15	10	507000	50@0	DFT_QAM256	9.180	9.160	PASS
n7	15	15	507000	75@0	DFT_BPSK	13.980	13.650	PASS
n7	15	15	507000	75@0	DFT_QPSK	14.020	13.620	PASS
n7	15	15	507000	75@0	DFT_QAM16	13.960	13.640	PASS
n7	15	15	507000	75@0	DFT_QAM64	14.020	13.600	PASS
n7	15	15	507000	75@0	DFT_QAM256	13.940	13.610	PASS
n7	15	20	507000	100@0	DFT_BPSK	18.810	18.160	PASS
n7	15	20	507000	100@0	DFT_QPSK	18.730	18.120	PASS
n7	15	20	507000	100@0	DFT_QAM16	18.700	18.090	PASS
n7	15	20	507000	100@0	DFT_QAM64	18.780	18.130	PASS
n7	15	20	507000	100@0	DFT_QAM256	18.710	18.140	PASS

n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0

n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=507000 RB=25@0

n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=507000 RB=50@0

n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=507000 RB=75@0

n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0

n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=507000 RB=75@0

n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=507000 RB=50@0

n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=507000 RB=25@0

n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=507000 RB=50@0

n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=507000 RB=75@0

n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0

n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=507000 RB=25@0

n7 SCS=15kHz DFT_QAM16 BW=20MHz Channel=507000 RB=100@0

n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=507000 RB=25@0

n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0

n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=507000 RB=75@0

n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=507000 RB=100@0