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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
Band4	15	5	19975	1@0	QPSK	8.76			
n7	15	5	500500	1@0	DFT_BPSK	22.69			
Sum	15					22.86	19	26	PASS
Band4	15	5	20175	8@0	QPSK	9.16			
n7	15	5	507000	12@6	DFT_BPSK	22.45			
Sum	15					22.64	19	26	PASS
Band4	15	5	20175	8@0	QPSK	9.25			
n7	15	5	507000	12@6	DFT_QPSK	22.42			
Sum	15					22.62	19	26	PASS
Band4	15	5	20375	1@17	QPSK	9.47			
n7	15	5	513500	1@24	DFT_BPSK	22.01			
Sum	15					22.24	19	26	PASS
Band4	15	5	20375	8@17	QPSK	9.48			
n7	15	5	513500	12@6	DFT_BPSK	22.98			
Sum	15					23.16	19	26	PASS
Band4	15	5	20375	1@17	QPSK	9.50			
n7	15	5	513500	1@24	DFT_QPSK	22.97			
Sum	15					23.16	19	26	PASS
Band4	15	5	20375	8@17	QPSK	9.48			
n7	15	5	513500	12@6	DFT_QPSK	23.06			
Sum	15					23.24	19	26	PASS
Band4	15	20	20050	1@0	QPSK	9.28			
n7	15	20	502000	1@0	DFT_BPSK	22.68			
Sum	15					22.87	19	26	PASS
Band4	15	20	20175	18@0	QPSK	9.27			
n7	15	20	507000	50@25	DFT_BPSK	22.44			
Sum	15					22.64	19	26	PASS
Band4	15	20	20175	18@0	QPSK	9.22			
n7	15	20	507000	50@25	DFT_QPSK	22.48			
Sum	15					22.68	19	26	PASS
Band4	15	20	20300	1@72	QPSK	9.61			
n7	15	20	512000	1@105	DFT_BPSK	22.91			
Sum	15					23.10	19	26	PASS
Band4	15	20	20300	18@72	QPSK	9.58			
n7	15	20	512000	50@25	DFT_BPSK	22.68			
Sum	15					22.88	19	26	PASS
Band4	15	20	20300	1@72	QPSK	9.64			
n7	15	20	512000	1@105	DFT_QPSK	23.00			
Sum	15					23.19	19	26	PASS

Band4	15	20	20300	18@72	QPSK	9.59			
n7	15	20	512000	50@25	DFT_QPSK	22.78			
Sum	15					22.98	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	-2.45	-0.00098	-2.5	2.5	PASS
n7	15	5	500500	1@1	DFT_BPSK	-2.46	-0.00098	-2.5	2.5	PASS
n7	15	5	500500	1@23	DFT_BPSK	-1.90	-0.00076	-2.5	2.5	PASS
n7	15	5	500500	12@6	DFT_QPSK	-5.00	-0.00200	-2.5	2.5	PASS
n7	15	5	500500	1@1	DFT_QPSK	0.62	0.00025	-2.5	2.5	PASS
n7	15	5	500500	1@23	DFT_QPSK	-3.84	-0.00153	-2.5	2.5	PASS
n7	15	5	507000	12@6	DFT_BPSK	-5.74	-0.00226	-2.5	2.5	PASS
n7	15	5	507000	1@1	DFT_BPSK	-4.80	-0.00189	-2.5	2.5	PASS
n7	15	5	507000	1@23	DFT_BPSK	-6.38	-0.00252	-2.5	2.5	PASS
n7	15	5	507000	12@6	DFT_QPSK	-5.24	-0.00207	-2.5	2.5	PASS
n7	15	5	507000	1@1	DFT_QPSK	-3.76	-0.00148	-2.5	2.5	PASS
n7	15	5	507000	1@23	DFT_QPSK	-4.51	-0.00178	-2.5	2.5	PASS
n7	15	5	513500	12@6	DFT_BPSK	-2.65	-0.00103	-2.5	2.5	PASS
n7	15	5	513500	1@1	DFT_BPSK	-2.84	-0.00111	-2.5	2.5	PASS
n7	15	5	513500	1@23	DFT_BPSK	-3.80	-0.00148	-2.5	2.5	PASS
n7	15	5	513500	12@6	DFT_QPSK	-2.06	-0.00080	-2.5	2.5	PASS
n7	15	5	513500	1@1	DFT_QPSK	-1.37	-0.00053	-2.5	2.5	PASS
n7	15	5	513500	1@23	DFT_QPSK	-0.74	-0.00029	-2.5	2.5	PASS
n7	15	15	501500	36@18	DFT_BPSK	-1.39	-0.00055	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_BPSK	-2.02	-0.00081	-2.5	2.5	PASS
n7	15	15	501500	1@77	DFT_BPSK	-1.21	-0.00048	-2.5	2.5	PASS
n7	15	15	501500	36@18	DFT_QPSK	-2.13	-0.00085	-2.5	2.5	PASS
n7	15	15	501500	1@1	DFT_QPSK	-0.79	-0.00032	-2.5	2.5	PASS
n7	15	15	501500	1@77	DFT_QPSK	-2.03	-0.00081	-2.5	2.5	PASS
n7	15	15	507000	36@18	DFT_BPSK	-3.54	-0.00140	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_BPSK	-7.53	-0.00297	-2.5	2.5	PASS
n7	15	15	507000	1@77	DFT_BPSK	-0.65	-0.00026	-2.5	2.5	PASS
n7	15	15	507000	36@18	DFT_QPSK	-2.37	-0.00093	-2.5	2.5	PASS
n7	15	15	507000	1@1	DFT_QPSK	-4.33	-0.00171	-2.5	2.5	PASS
n7	15	15	507000	1@77	DFT_QPSK	-4.08	-0.00161	-2.5	2.5	PASS
n7	15	15	512500	36@18	DFT_BPSK	-3.71	-0.00145	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_BPSK	-1.41	-0.00055	-2.5	2.5	PASS
n7	15	15	512500	1@77	DFT_BPSK	1.22	0.00048	-2.5	2.5	PASS
n7	15	15	512500	36@18	DFT_QPSK	-3.75	-0.00146	-2.5	2.5	PASS
n7	15	15	512500	1@1	DFT_QPSK	-2.56	-0.00100	-2.5	2.5	PASS
n7	15	15	512500	1@77	DFT_QPSK	-2.95	-0.00115	-2.5	2.5	PASS
n7	15	20	502000	50@25	DFT_BPSK	-0.88	-0.00035	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_BPSK	-2.47	-0.00098	-2.5	2.5	PASS
n7	15	20	502000	1@104	DFT_BPSK	-2.12	-0.00084	-2.5	2.5	PASS

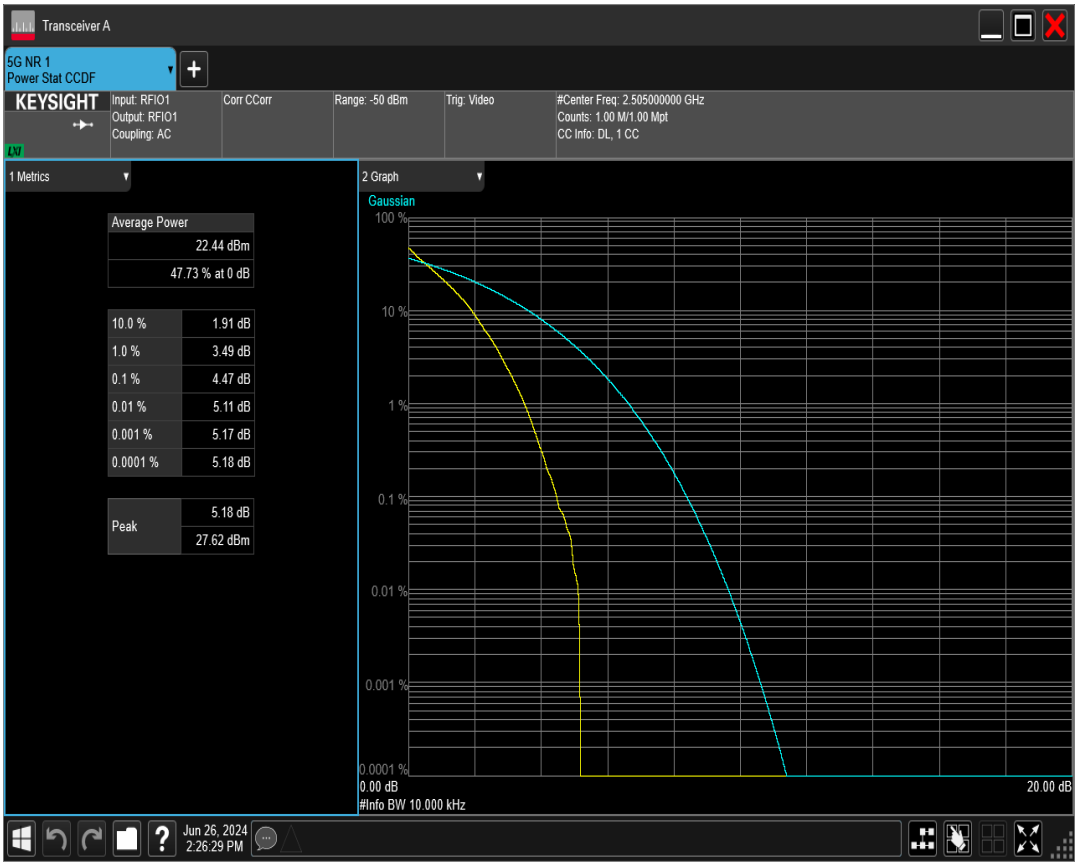
n7	15	20	502000	50@25	DFT_QPSK	-3.17	-0.00126	-2.5	2.5	PASS
n7	15	20	502000	1@1	DFT_QPSK	-4.17	-0.00166	-2.5	2.5	PASS
n7	15	20	502000	1@104	DFT_QPSK	-4.01	-0.00160	-2.5	2.5	PASS
n7	15	20	507000	50@25	DFT_BPSK	-4.69	-0.00185	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_BPSK	-4.51	-0.00178	-2.5	2.5	PASS
n7	15	20	507000	1@104	DFT_BPSK	-5.20	-0.00205	-2.5	2.5	PASS
n7	15	20	507000	50@25	DFT_QPSK	-2.05	-0.00081	-2.5	2.5	PASS
n7	15	20	507000	1@1	DFT_QPSK	-3.86	-0.00152	-2.5	2.5	PASS
n7	15	20	507000	1@104	DFT_QPSK	-5.93	-0.00234	-2.5	2.5	PASS
n7	15	20	512000	50@25	DFT_BPSK	-0.19	-0.00007	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_BPSK	-1.19	-0.00046	-2.5	2.5	PASS
n7	15	20	512000	1@104	DFT_BPSK	-0.61	-0.00024	-2.5	2.5	PASS
n7	15	20	512000	50@25	DFT_QPSK	2.17	0.00085	-2.5	2.5	PASS
n7	15	20	512000	1@1	DFT_QPSK	1.02	0.00040	-2.5	2.5	PASS
n7	15	20	512000	1@104	DFT_QPSK	-1.32	-0.00052	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

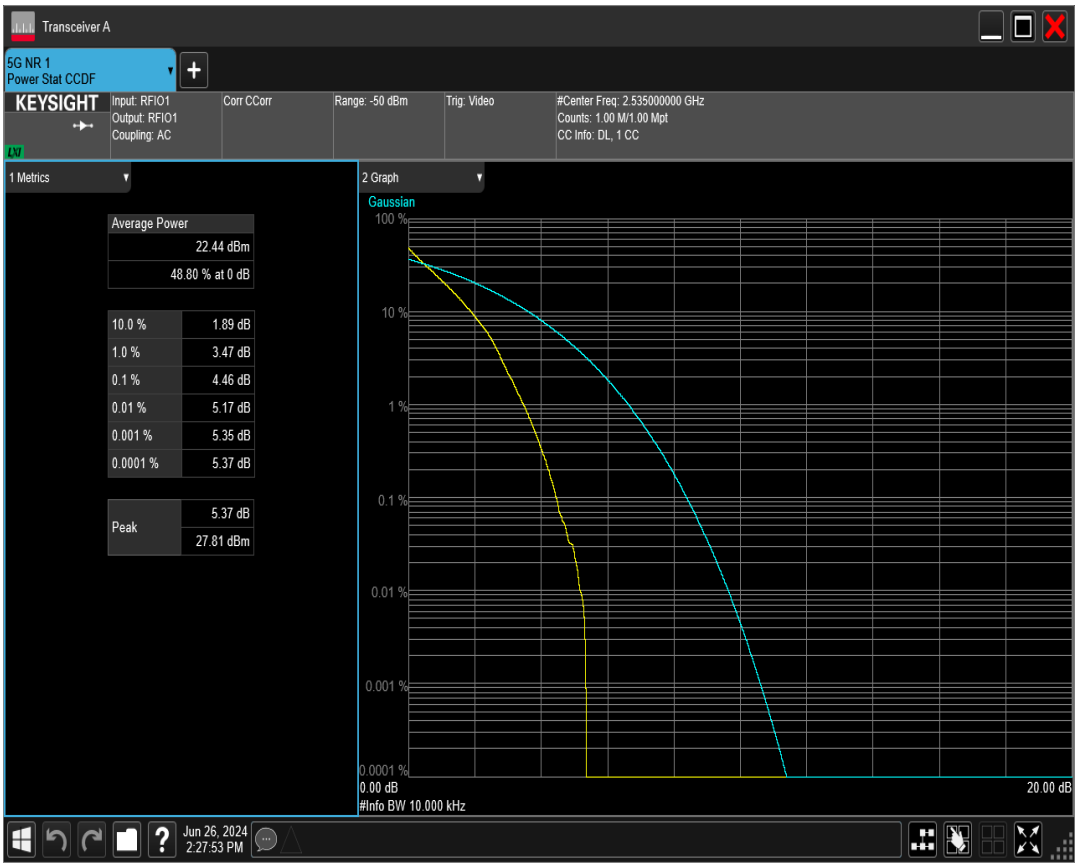
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n7	15	5	500500	25@0	DFT_BPSK	4.89	13	PASS
n7	15	5	500500	25@0	DFT_QPSK	5.29	13	PASS
n7	15	5	500500	25@0	DFT_QAM16	6.16	13	PASS
n7	15	5	500500	25@0	DFT_QAM64	6.01	13	PASS
n7	15	5	500500	25@0	DFT_QAM256	6.16	13	PASS
n7	15	5	507000	25@0	DFT_BPSK	4.28	13	PASS
n7	15	5	507000	25@0	DFT_QPSK	5.26	13	PASS
n7	15	5	507000	25@0	DFT_QAM16	6.10	13	PASS
n7	15	5	507000	25@0	DFT_QAM64	6.01	13	PASS
n7	15	5	507000	25@0	DFT_QAM256	6.11	13	PASS
n7	15	5	513500	25@0	DFT_BPSK	5.07	13	PASS
n7	15	5	513500	25@0	DFT_QPSK	5.37	13	PASS
n7	15	5	513500	25@0	DFT_QAM16	5.88	13	PASS
n7	15	5	513500	25@0	DFT_QAM64	5.86	13	PASS
n7	15	5	513500	25@0	DFT_QAM256	6.12	13	PASS
n7	15	10	501000	50@0	DFT_BPSK	4.47	13	PASS
n7	15	10	501000	50@0	DFT_QPSK	5.34	13	PASS
n7	15	10	501000	50@0	DFT_QAM16	5.98	13	PASS
n7	15	10	501000	50@0	DFT_QAM64	6.41	13	PASS
n7	15	10	501000	50@0	DFT_QAM256	6.28	13	PASS
n7	15	10	507000	50@0	DFT_BPSK	4.46	13	PASS
n7	15	10	507000	50@0	DFT_QPSK	5.30	13	PASS
n7	15	10	507000	50@0	DFT_QAM16	5.85	13	PASS
n7	15	10	507000	50@0	DFT_QAM64	6.07	13	PASS
n7	15	10	507000	50@0	DFT_QAM256	6.27	13	PASS
n7	15	10	513000	50@0	DFT_BPSK	4.70	13	PASS
n7	15	10	513000	50@0	DFT_QPSK	5.17	13	PASS
n7	15	10	513000	50@0	DFT_QAM16	5.65	13	PASS
n7	15	10	513000	50@0	DFT_QAM64	5.71	13	PASS
n7	15	10	513000	50@0	DFT_QAM256	6.02	13	PASS
n7	15	15	501500	75@0	DFT_BPSK	4.34	13	PASS
n7	15	15	501500	75@0	DFT_QPSK	5.41	13	PASS
n7	15	15	501500	75@0	DFT_QAM16	8.15	13	PASS
n7	15	15	501500	75@0	DFT_QAM64	6.44	13	PASS
n7	15	15	501500	75@0	DFT_QAM256	6.33	13	PASS
n7	15	15	507000	75@0	DFT_BPSK	4.53	13	PASS
n7	15	15	507000	75@0	DFT_QPSK	5.26	13	PASS
n7	15	15	507000	75@0	DFT_QAM16	5.96	13	PASS
n7	15	15	507000	75@0	DFT_QAM64	6.32	13	PASS
n7	15	15	507000	75@0	DFT_QAM256	6.18	13	PASS

n7	15	15	512500	75@0	DFT_BPSK	4.47	13	PASS
n7	15	15	512500	75@0	DFT_QPSK	5.31	13	PASS
n7	15	15	512500	75@0	DFT_QAM16	5.85	13	PASS
n7	15	15	512500	75@0	DFT_QAM64	5.86	13	PASS
n7	15	15	512500	75@0	DFT_QAM256	6.43	13	PASS
n7	15	20	502000	100@0	DFT_BPSK	4.73	13	PASS
n7	15	20	502000	100@0	DFT_QPSK	5.30	13	PASS
n7	15	20	502000	100@0	DFT_QAM16	6.22	13	PASS
n7	15	20	502000	100@0	DFT_QAM64	6.14	13	PASS
n7	15	20	502000	100@0	DFT_QAM256	6.23	13	PASS
n7	15	20	507000	100@0	DFT_BPSK	4.36	13	PASS
n7	15	20	507000	100@0	DFT_QPSK	5.33	13	PASS
n7	15	20	507000	100@0	DFT_QAM16	5.98	13	PASS
n7	15	20	507000	100@0	DFT_QAM64	6.39	13	PASS
n7	15	20	507000	100@0	DFT_QAM256	6.24	13	PASS
n7	15	20	512000	100@0	DFT_BPSK	5.61	13	PASS
n7	15	20	512000	100@0	DFT_QPSK	5.72	13	PASS
n7	15	20	512000	100@0	DFT_QAM16	6.02	13	PASS
n7	15	20	512000	100@0	DFT_QAM64	6.10	13	PASS
n7	15	20	512000	100@0	DFT_QAM256	6.31	13	PASS

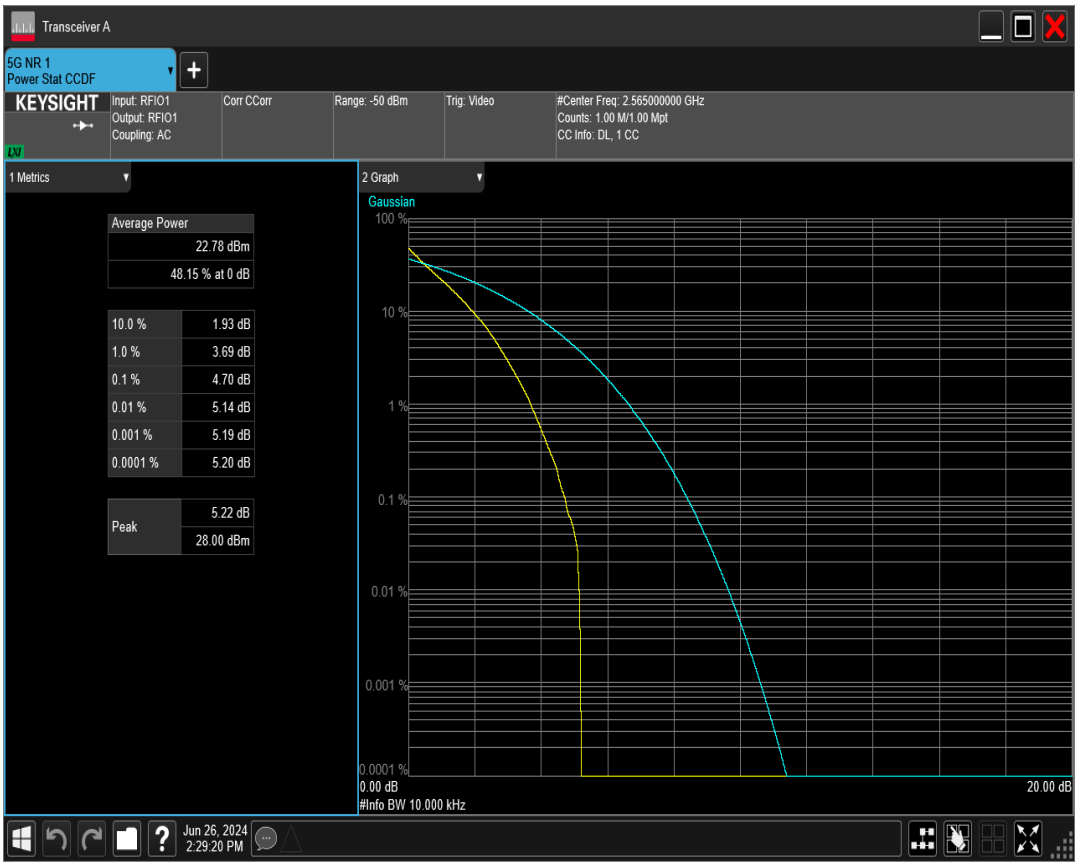
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=501000 RB=50@0



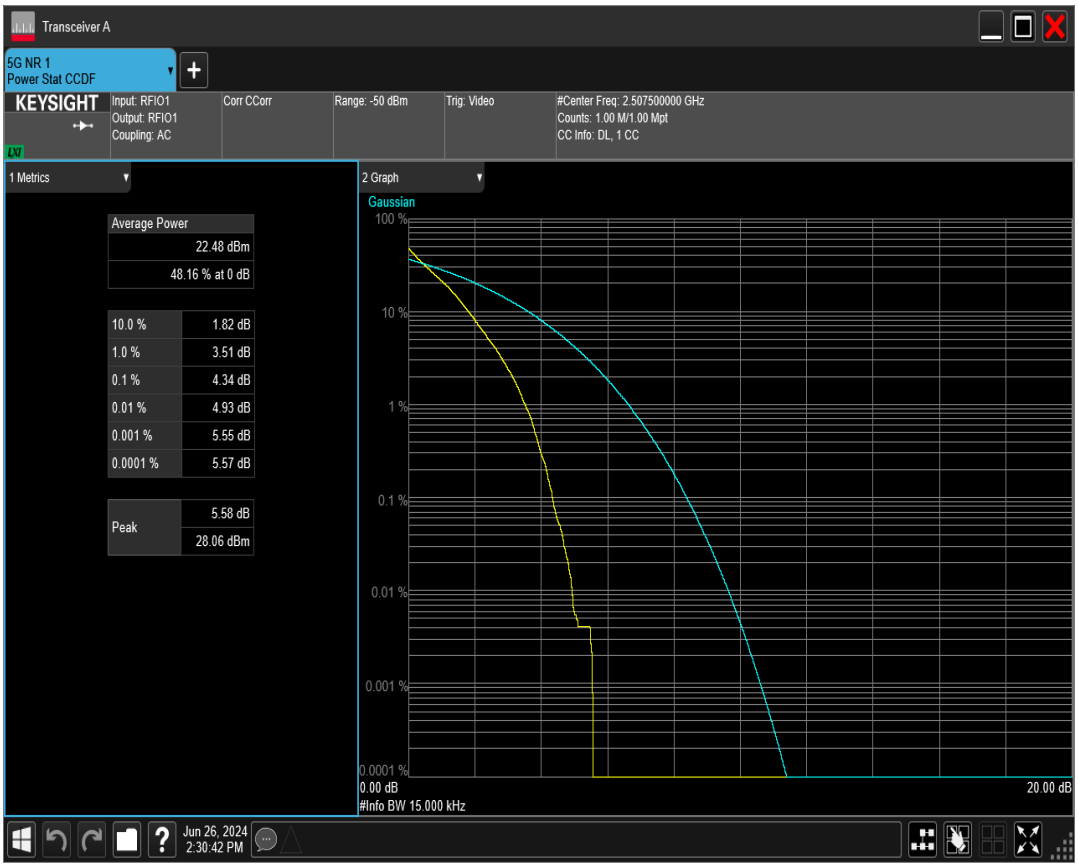
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=507000 RB=50@0



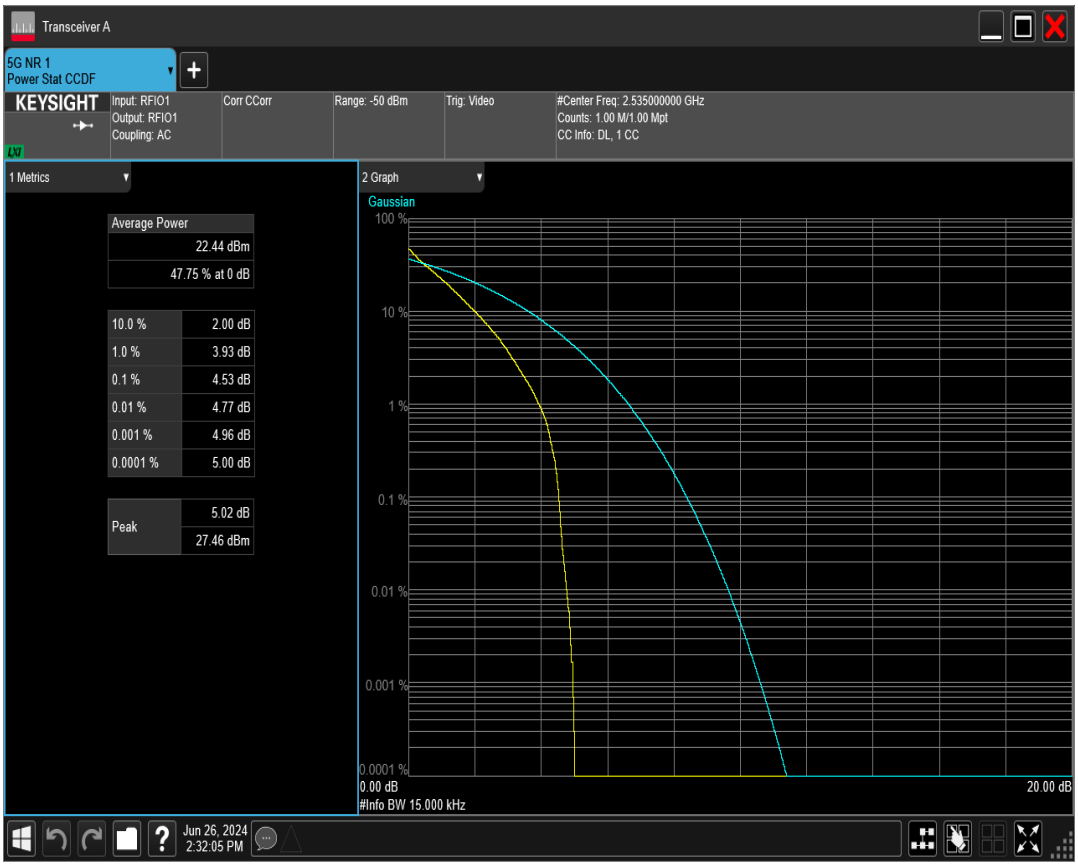
n7 SCS=15kHz DFT_BPSK BW=10MHz Channel=513000 RB=50@0



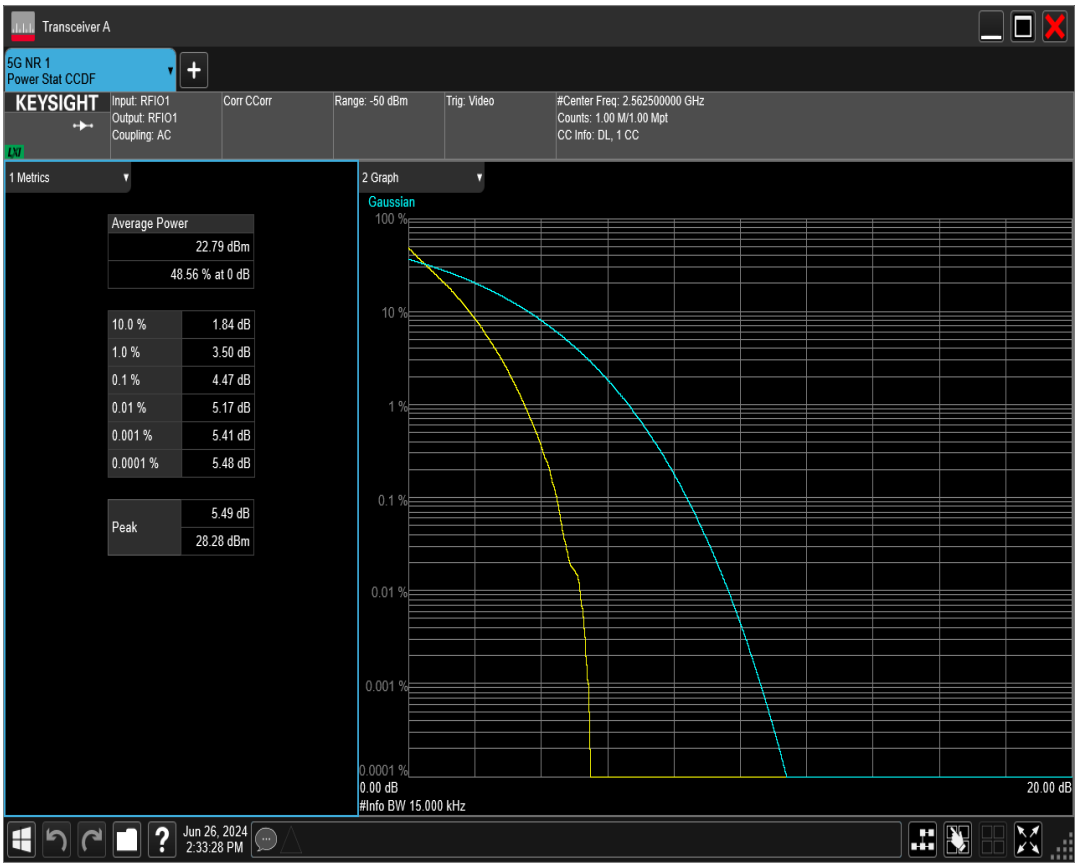
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=501500 RB=75@0



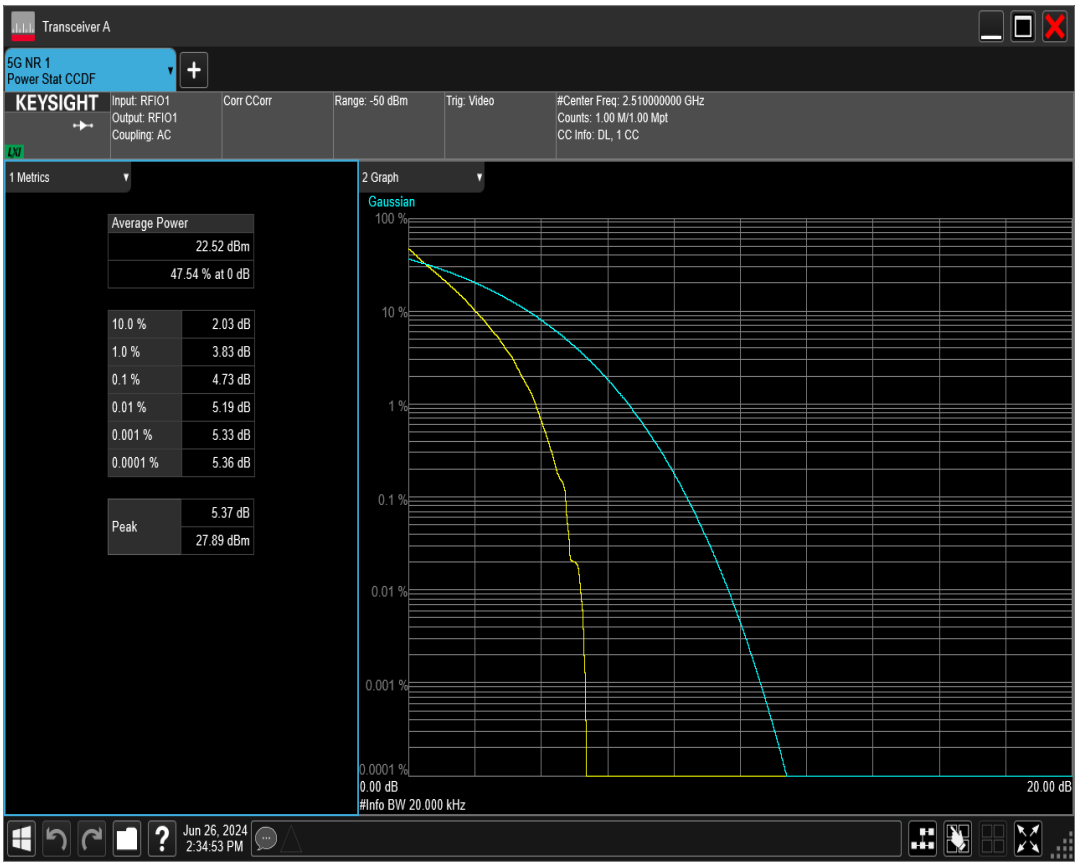
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=507000 RB=75@0



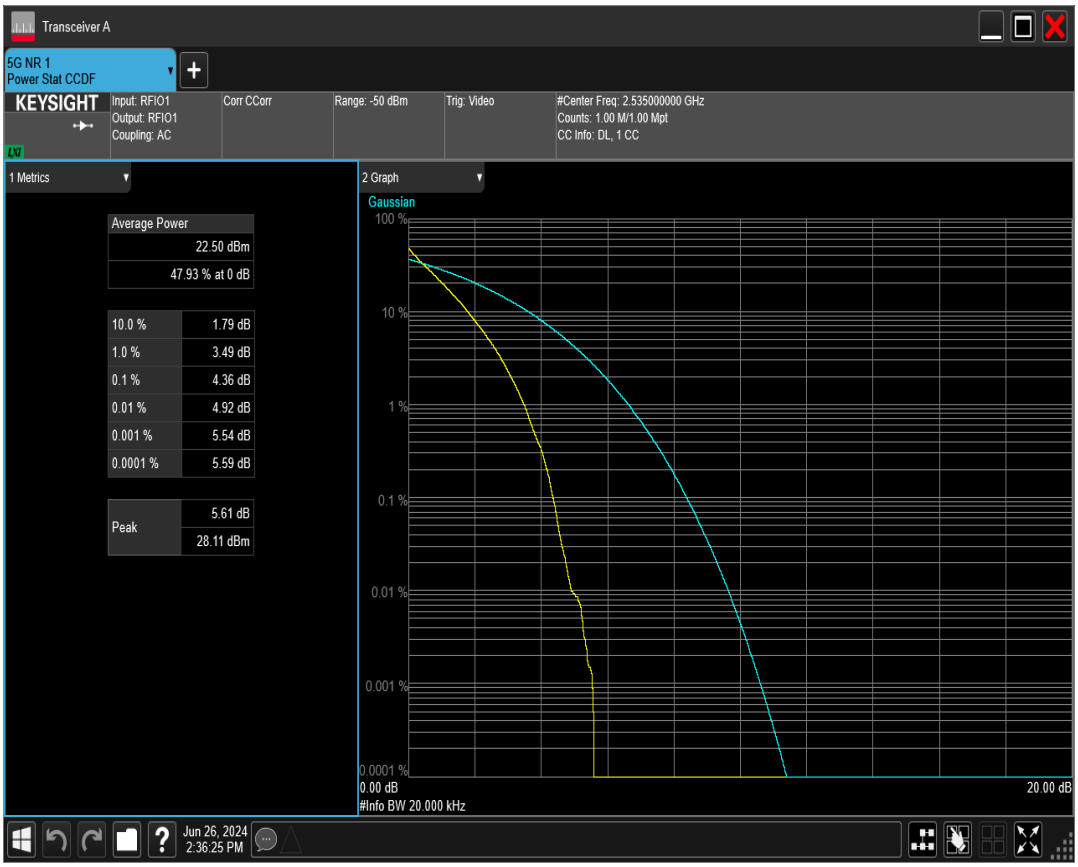
n7 SCS=15kHz DFT_BPSK BW=15MHz Channel=512500 RB=75@0



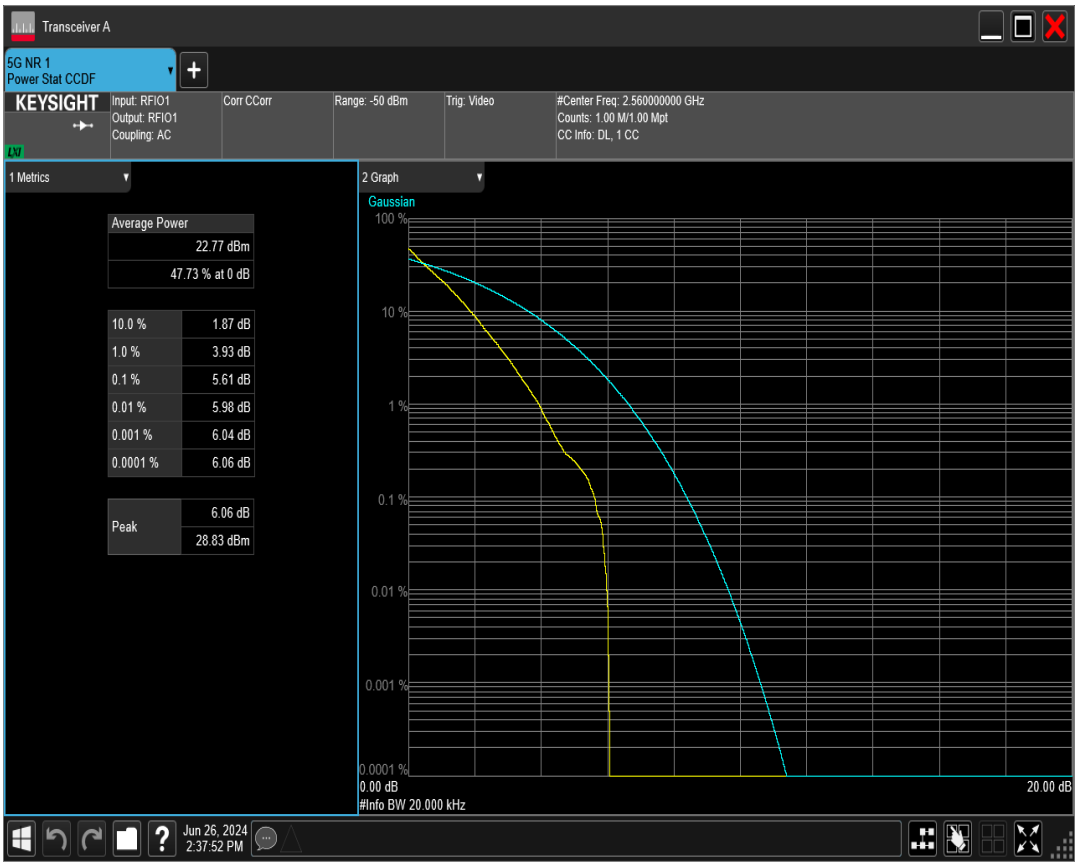
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=502000 RB=100@0



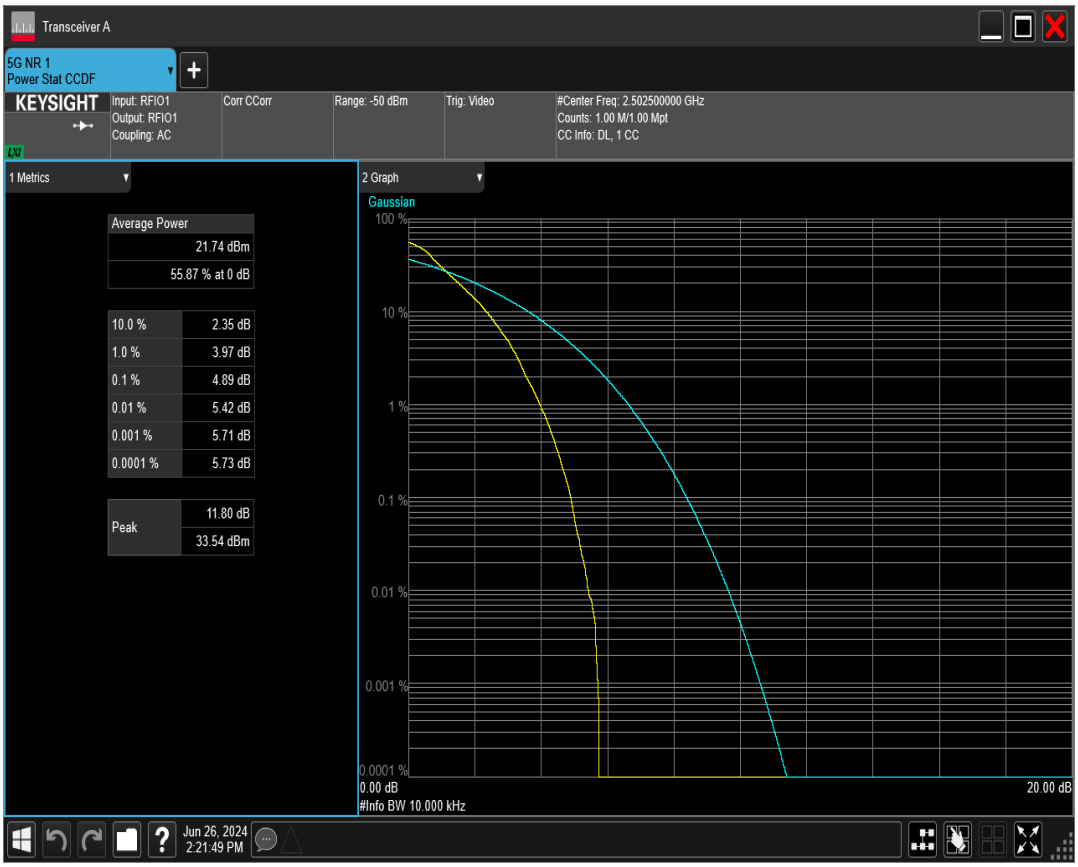
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=507000 RB=100@0



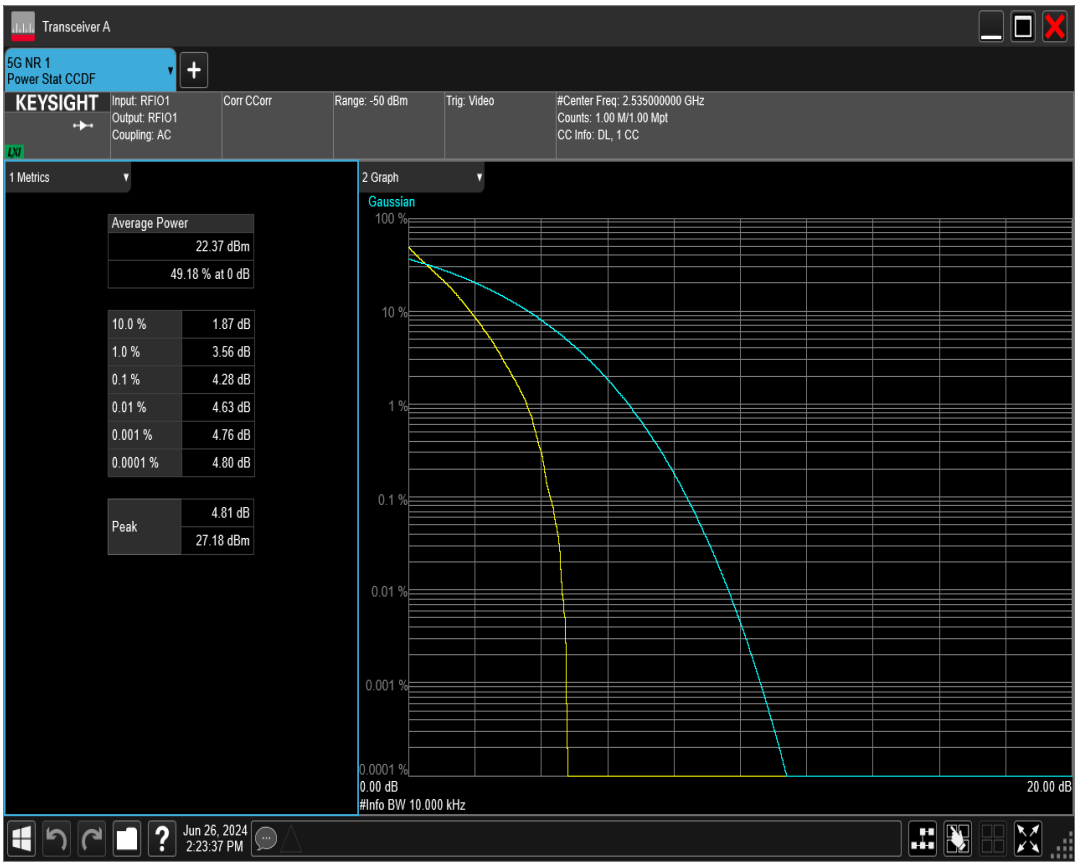
n7 SCS=15kHz DFT_BPSK BW=20MHz Channel=512000 RB=100@0



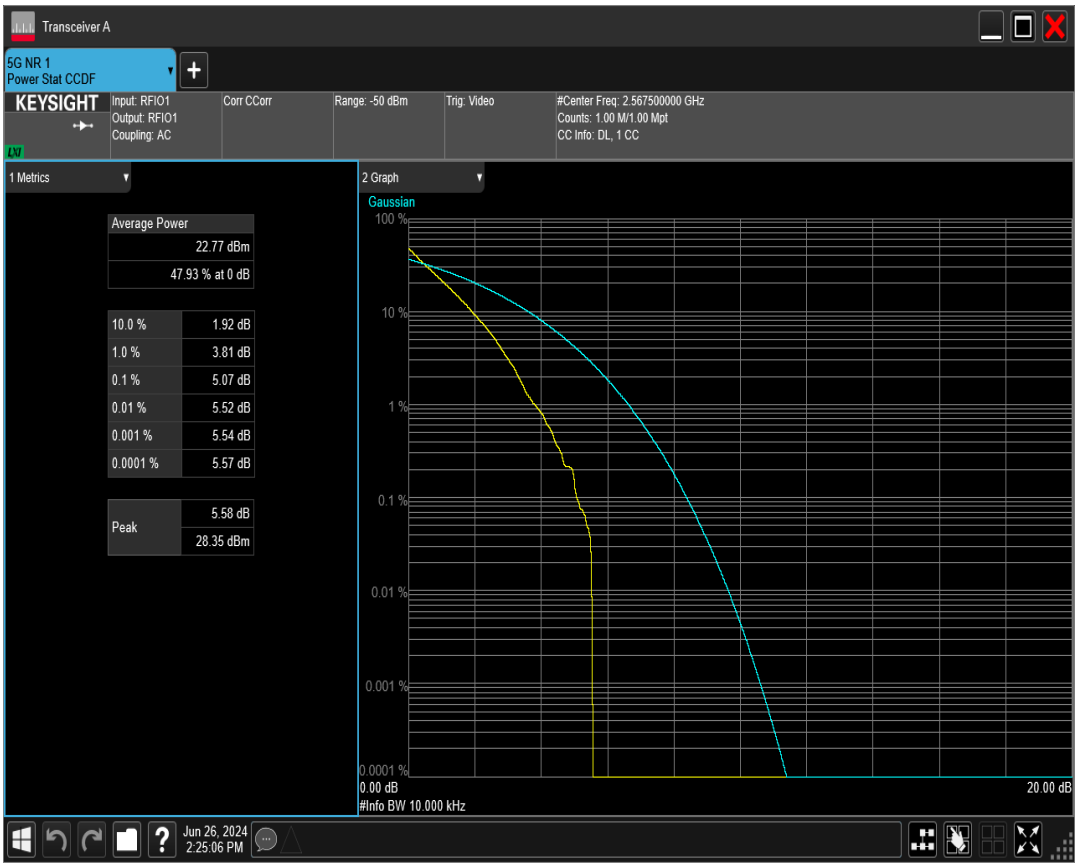
n7 SCS=15kHz DFT_BPSK BW=5MHz Channel=500500 RB=25@0



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



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



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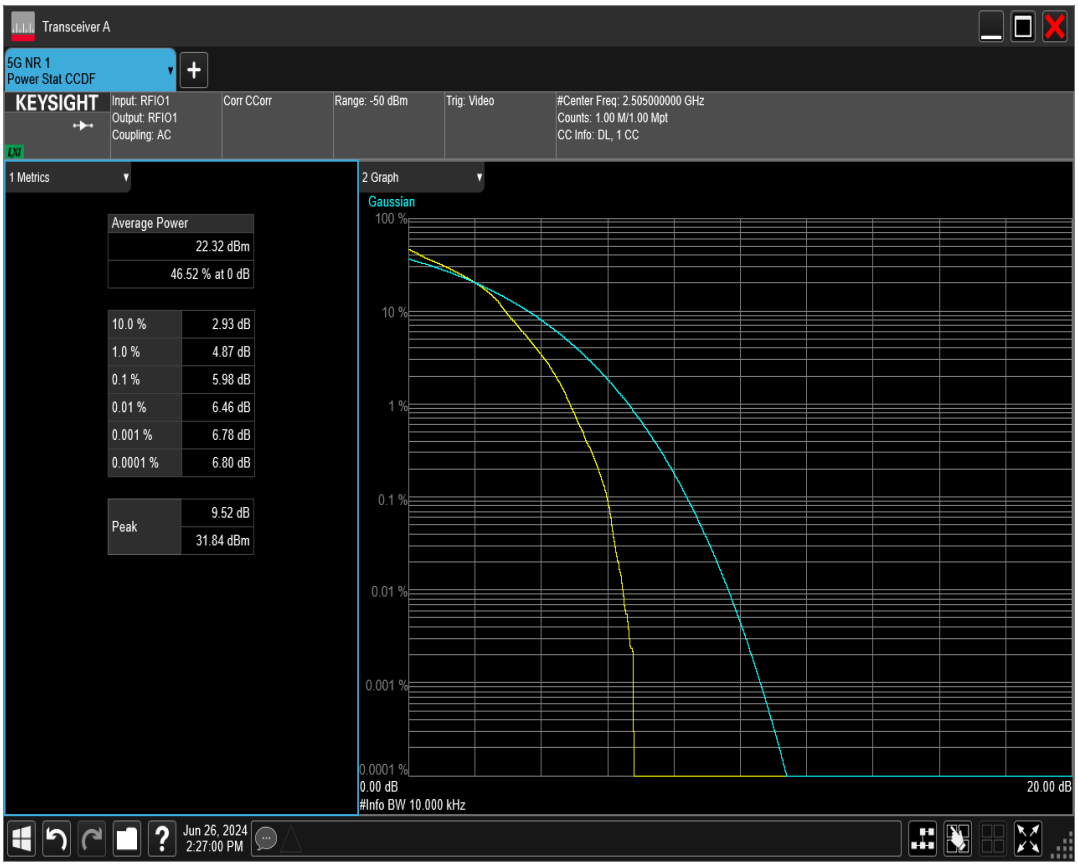
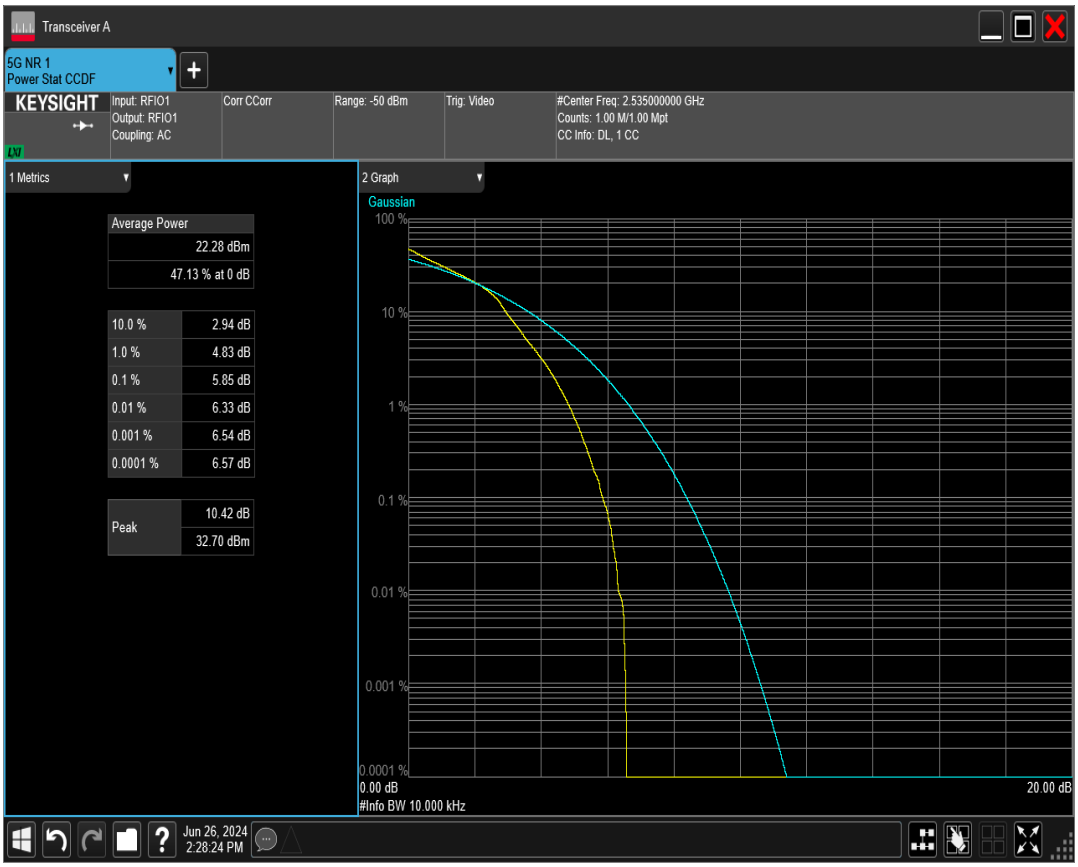
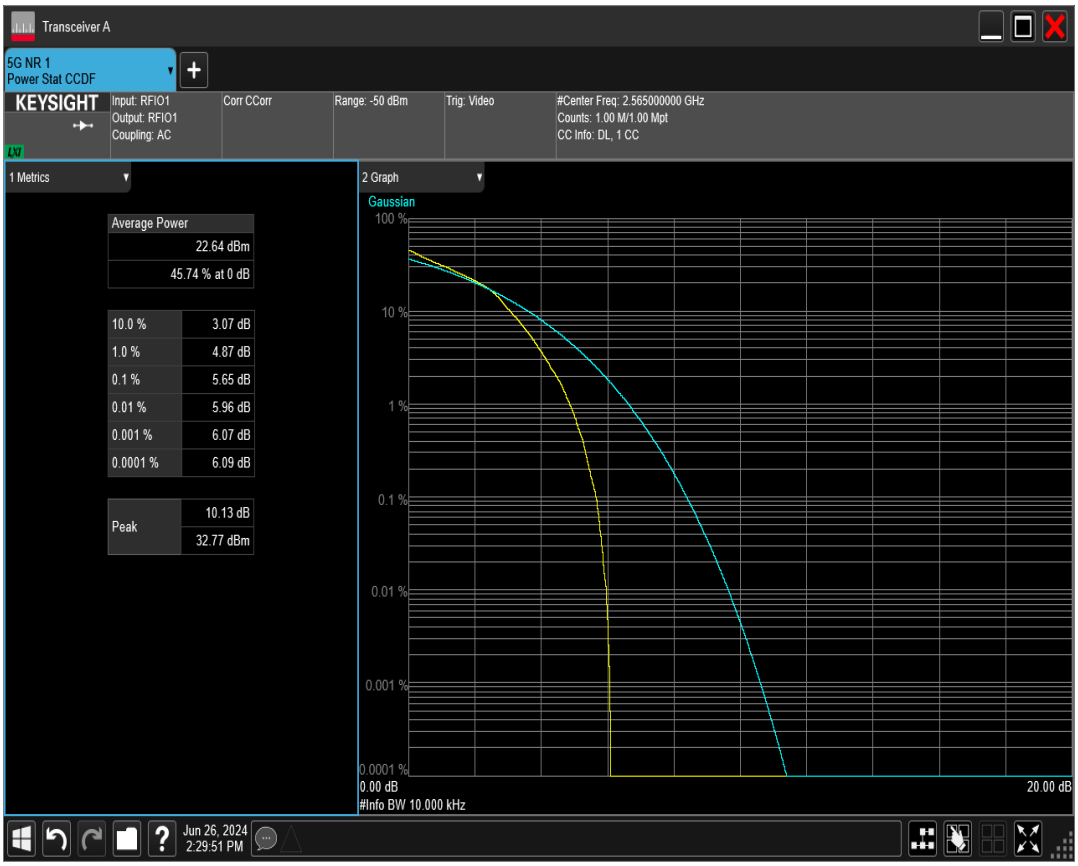


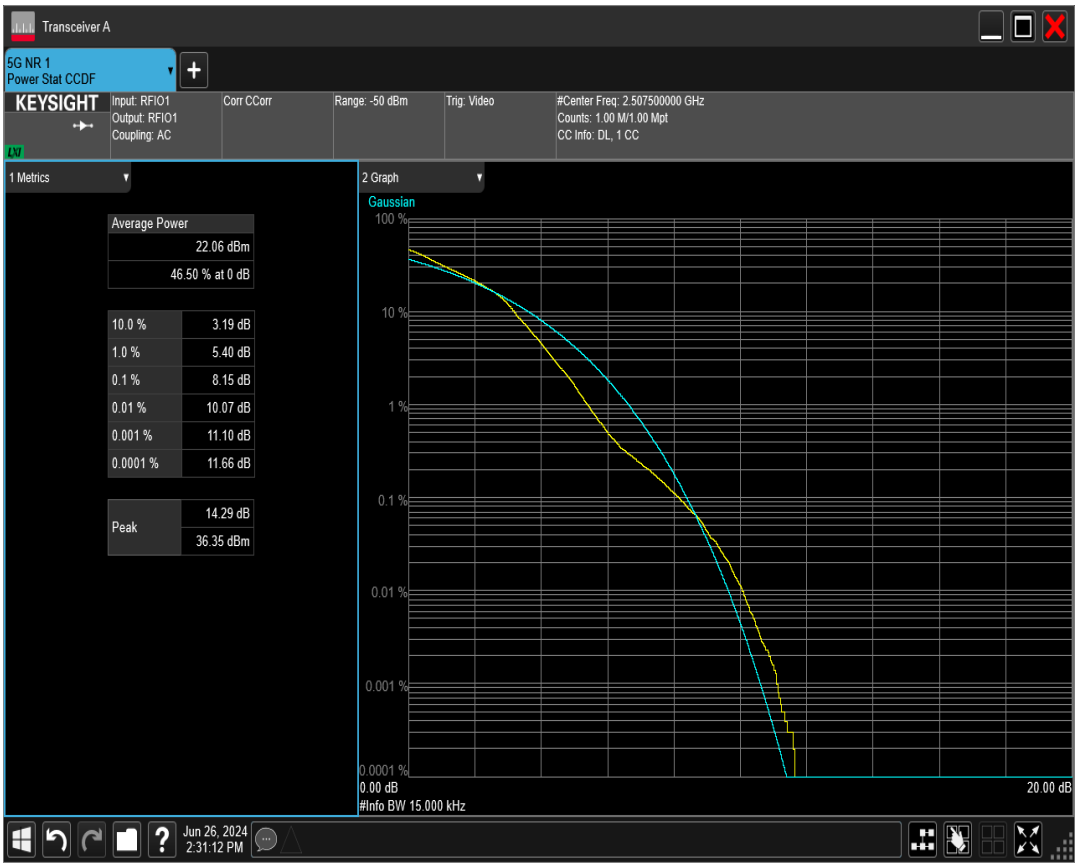
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=507000 RB=50@0



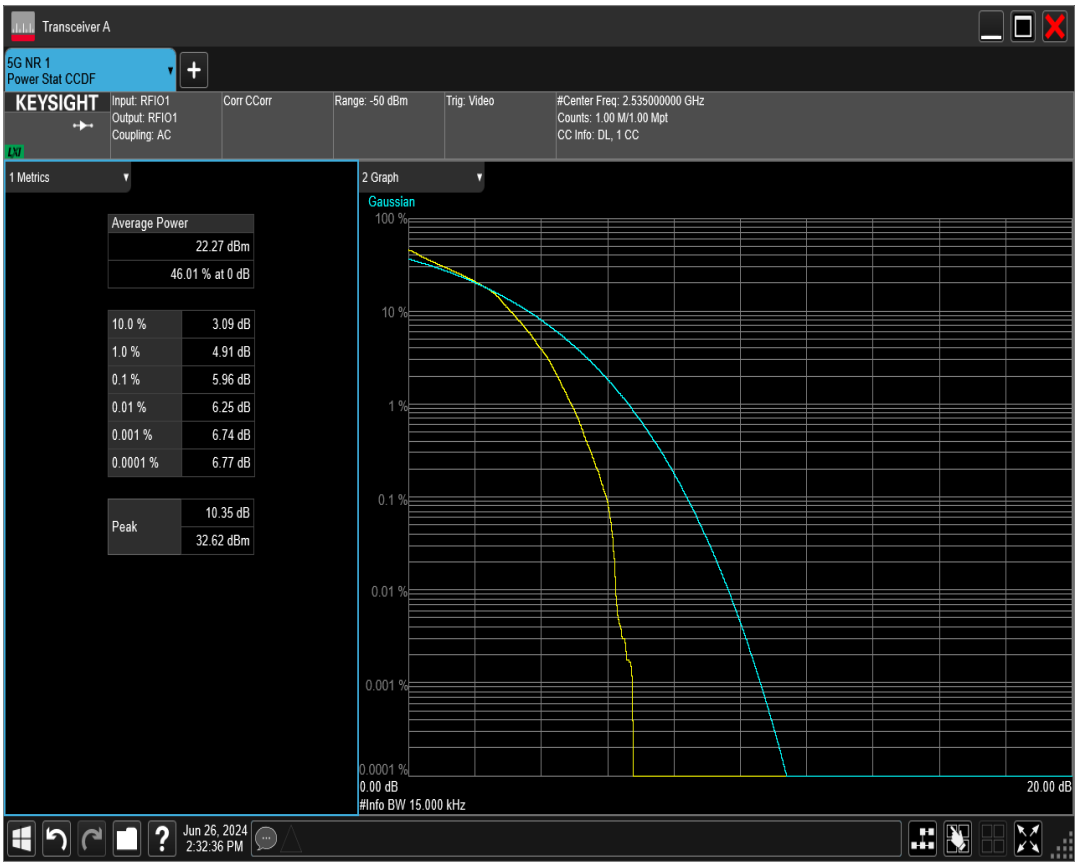
n7 SCS=15kHz DFT_QAM16 BW=10MHz Channel=513000 RB=50@0



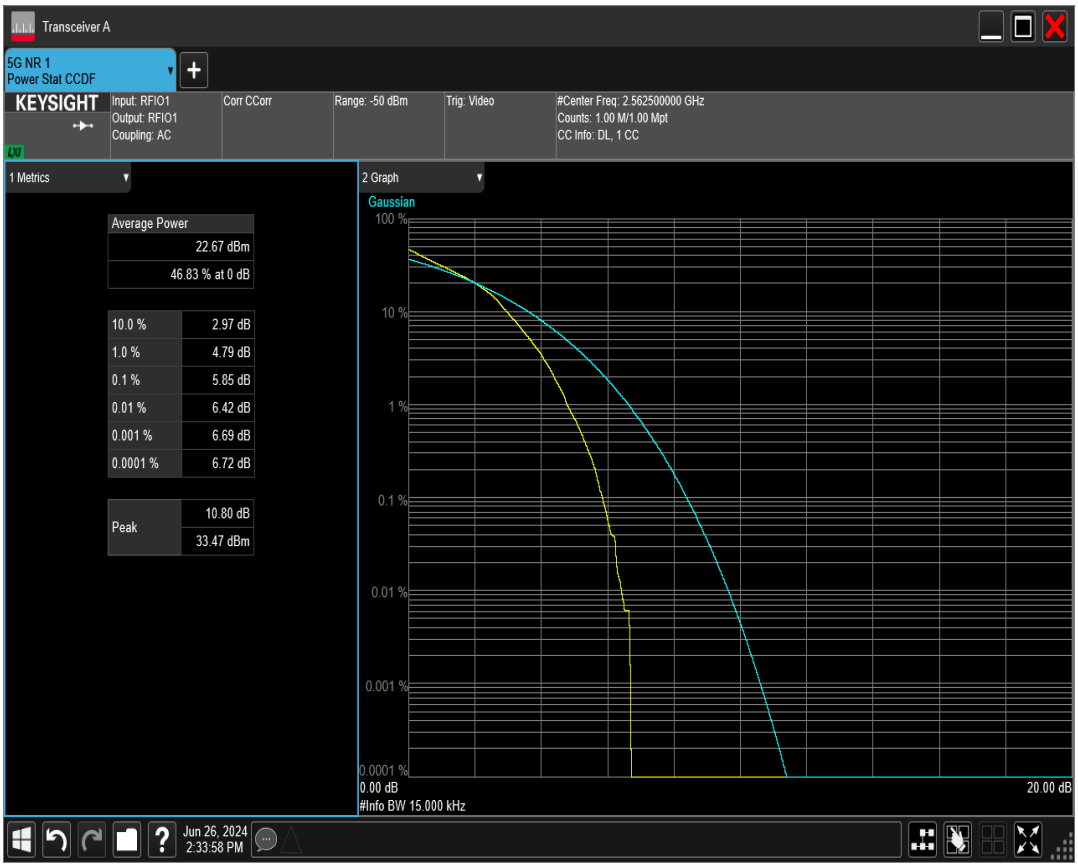
n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=501500 RB=75@0



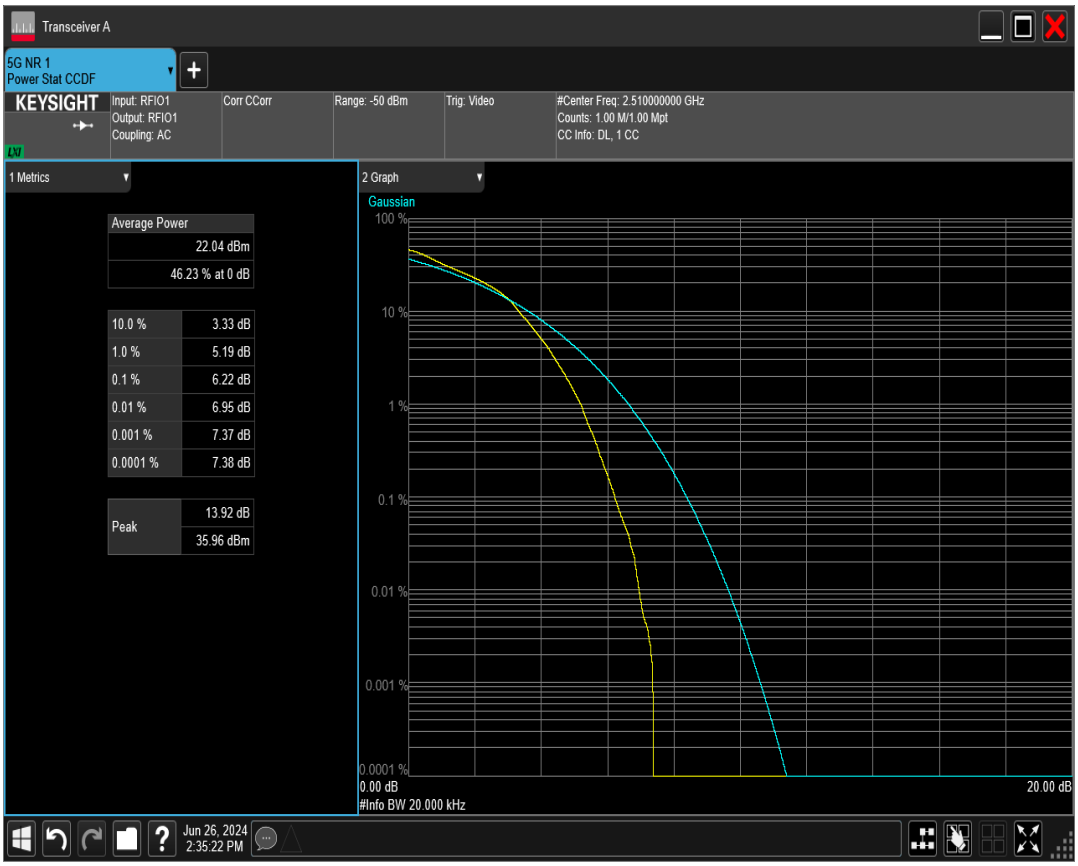
n7 SCS=15kHz DFT_QAM16 BW=15MHz Channel=507000 RB=75@0



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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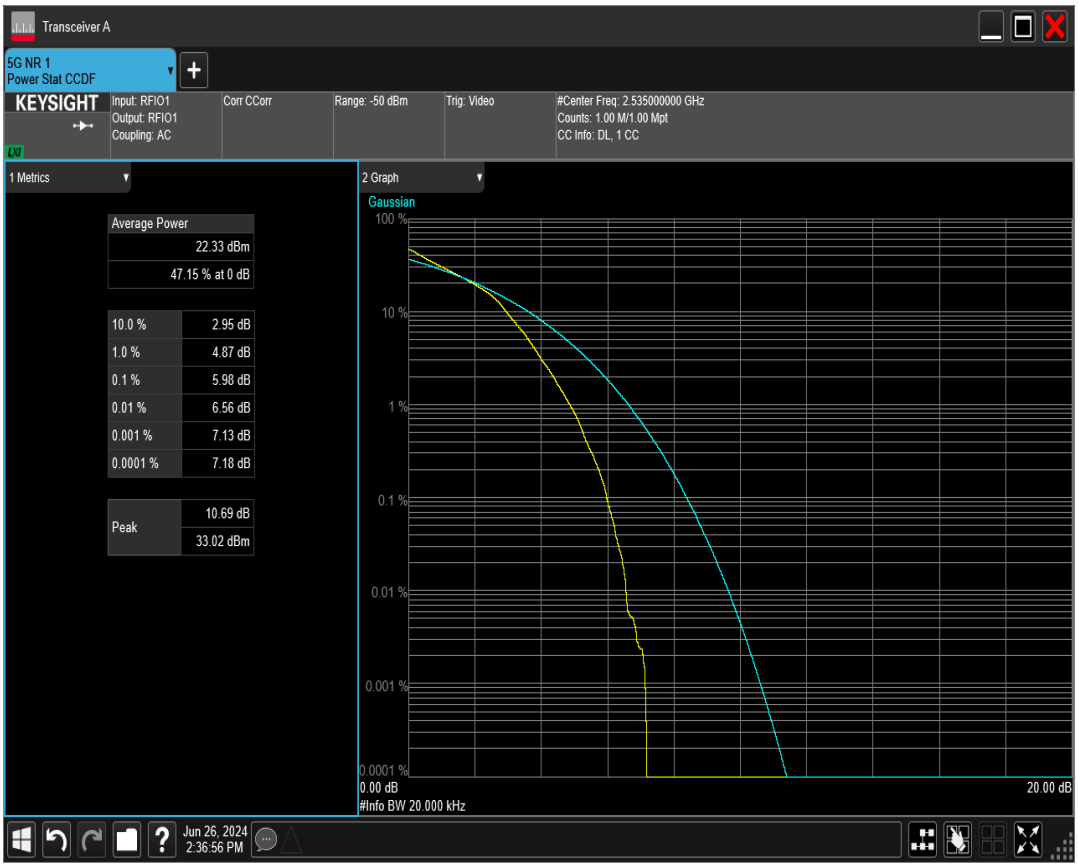

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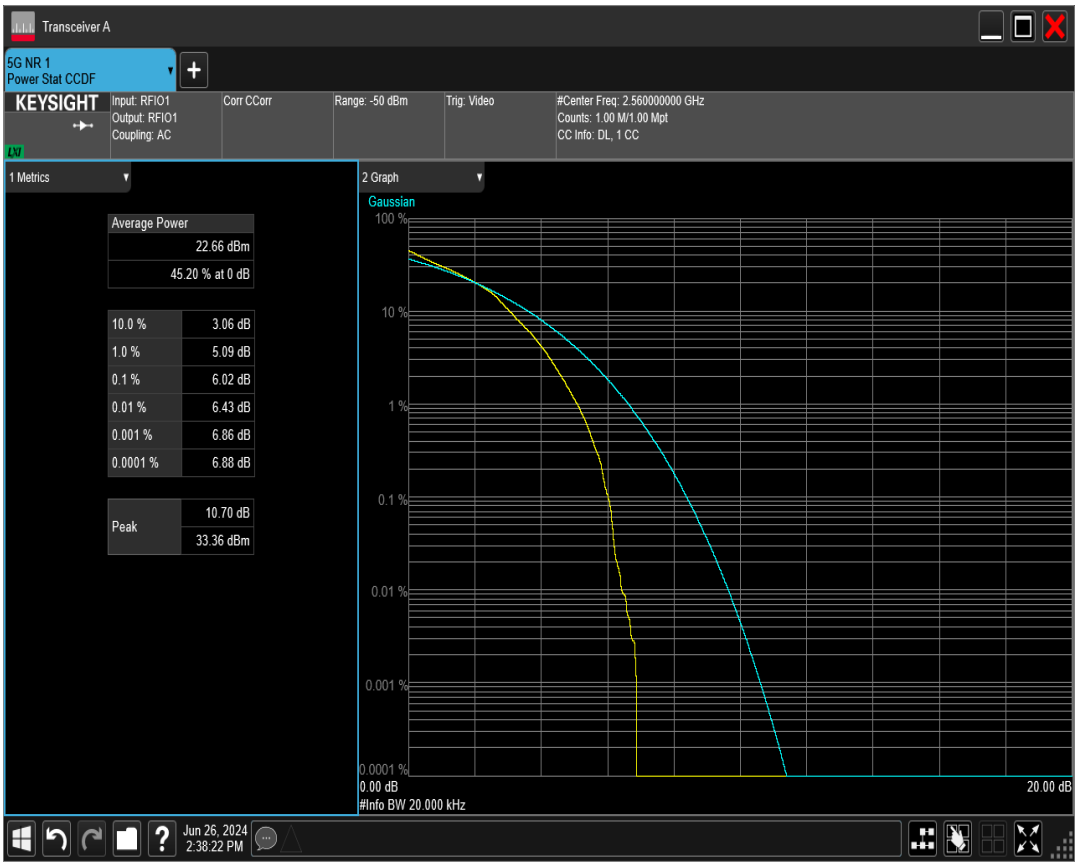

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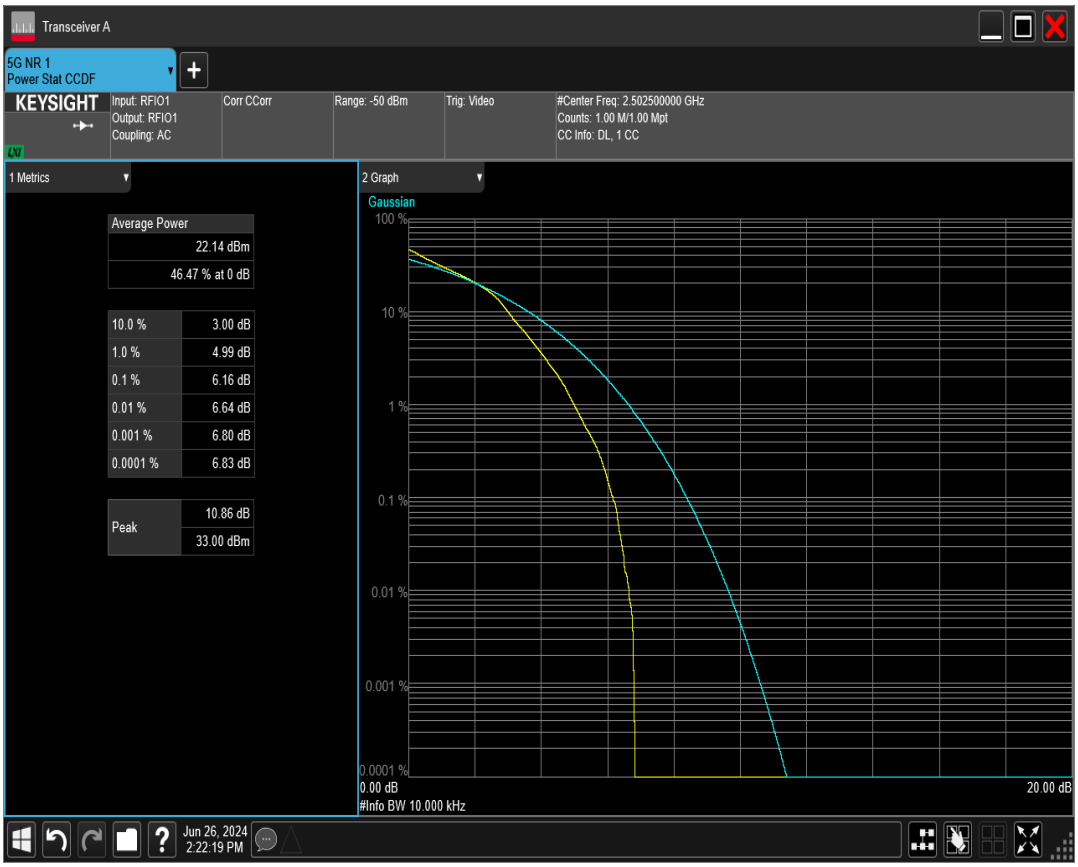

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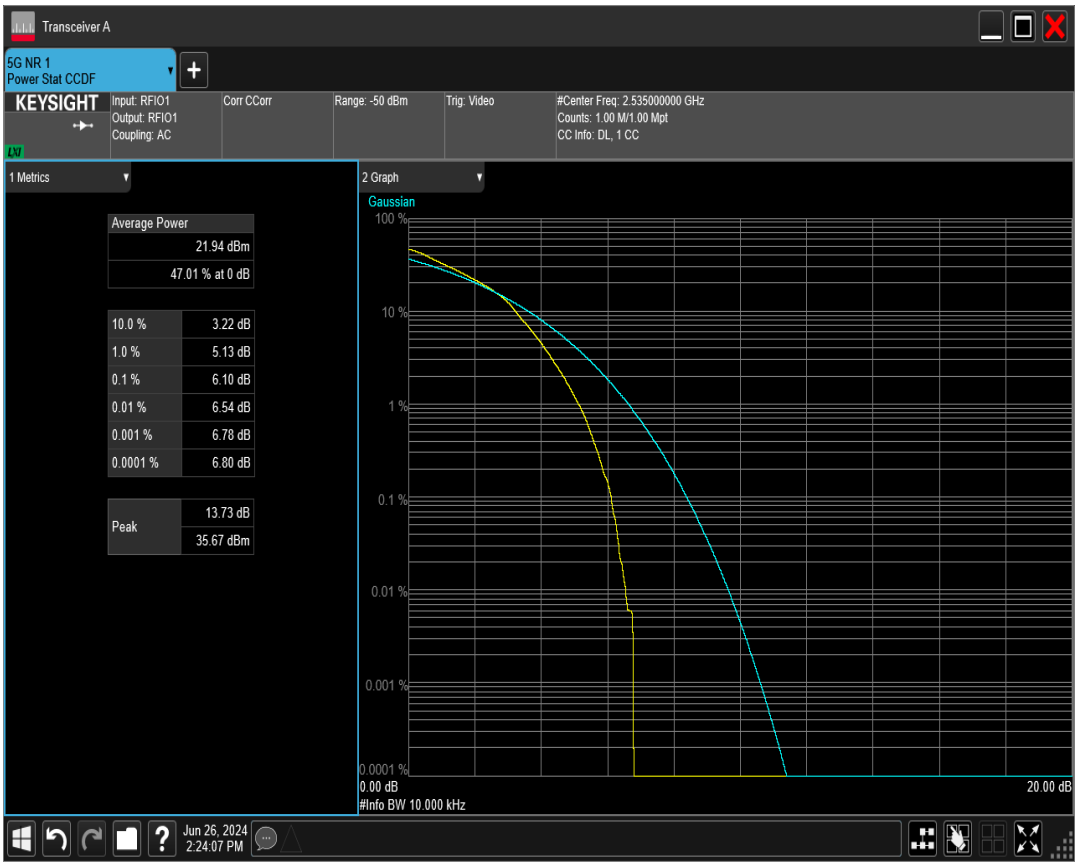
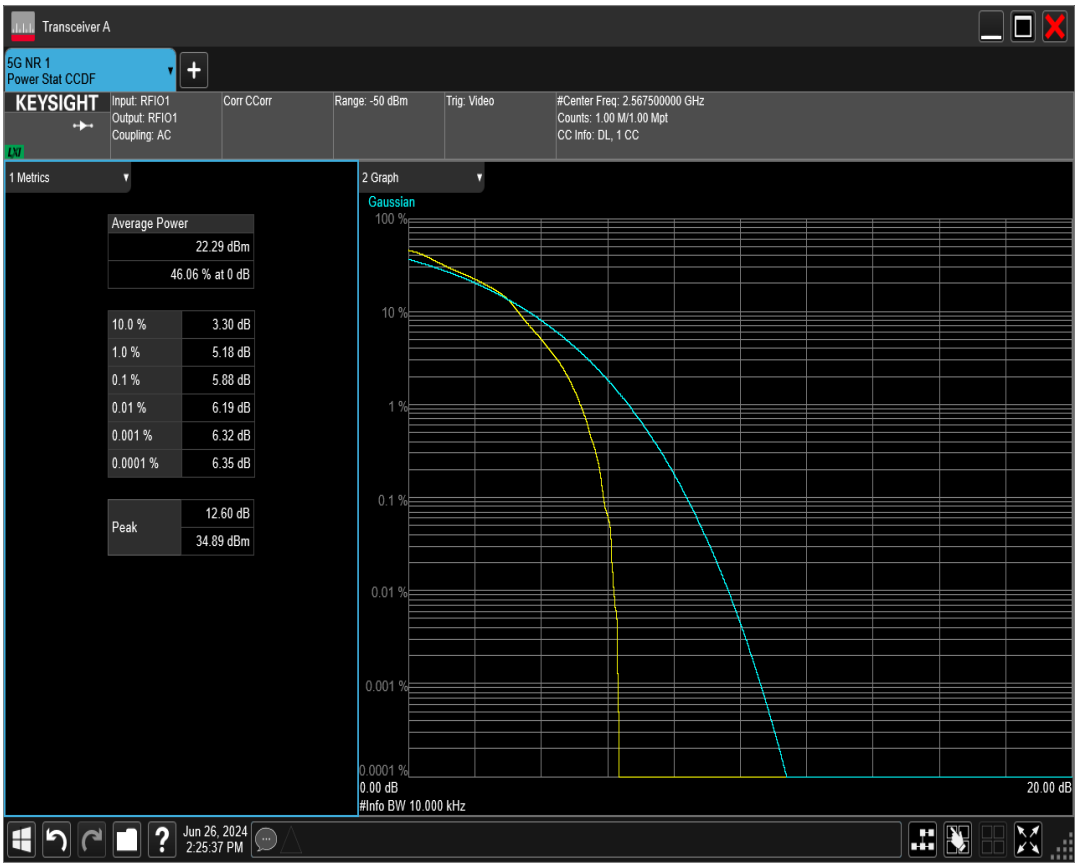


n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=513500 RB=25@0



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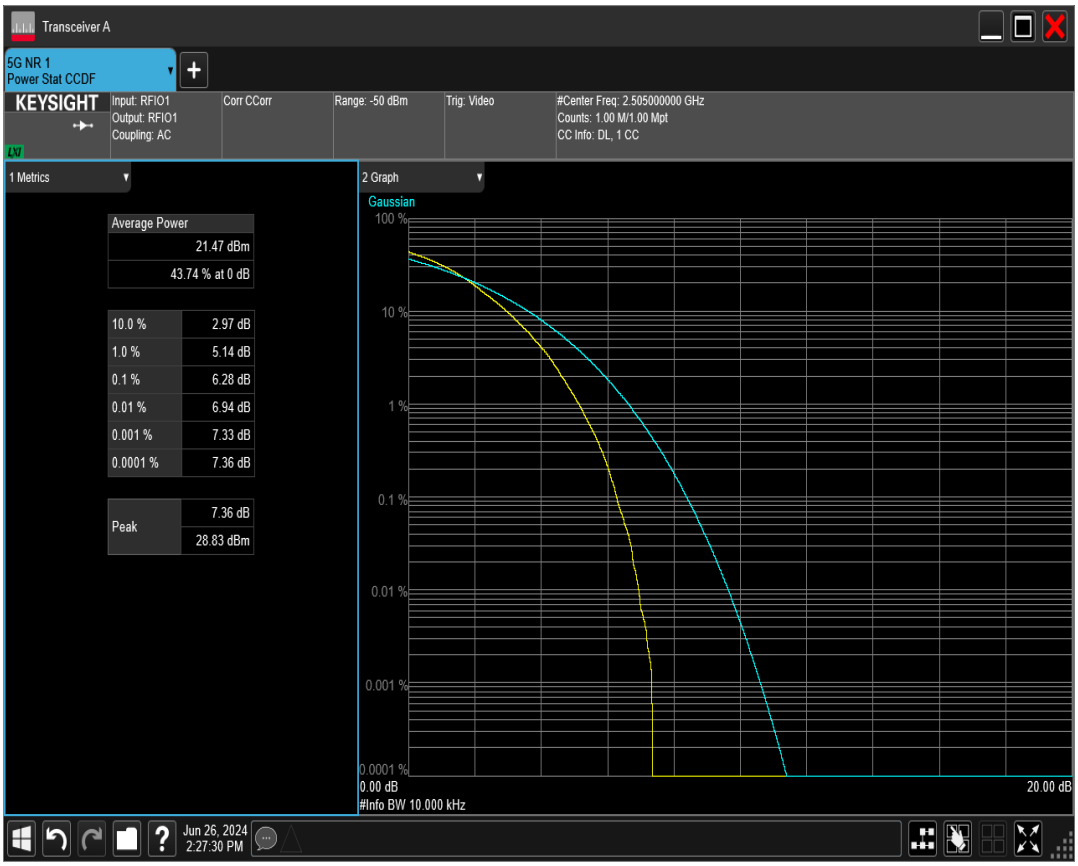

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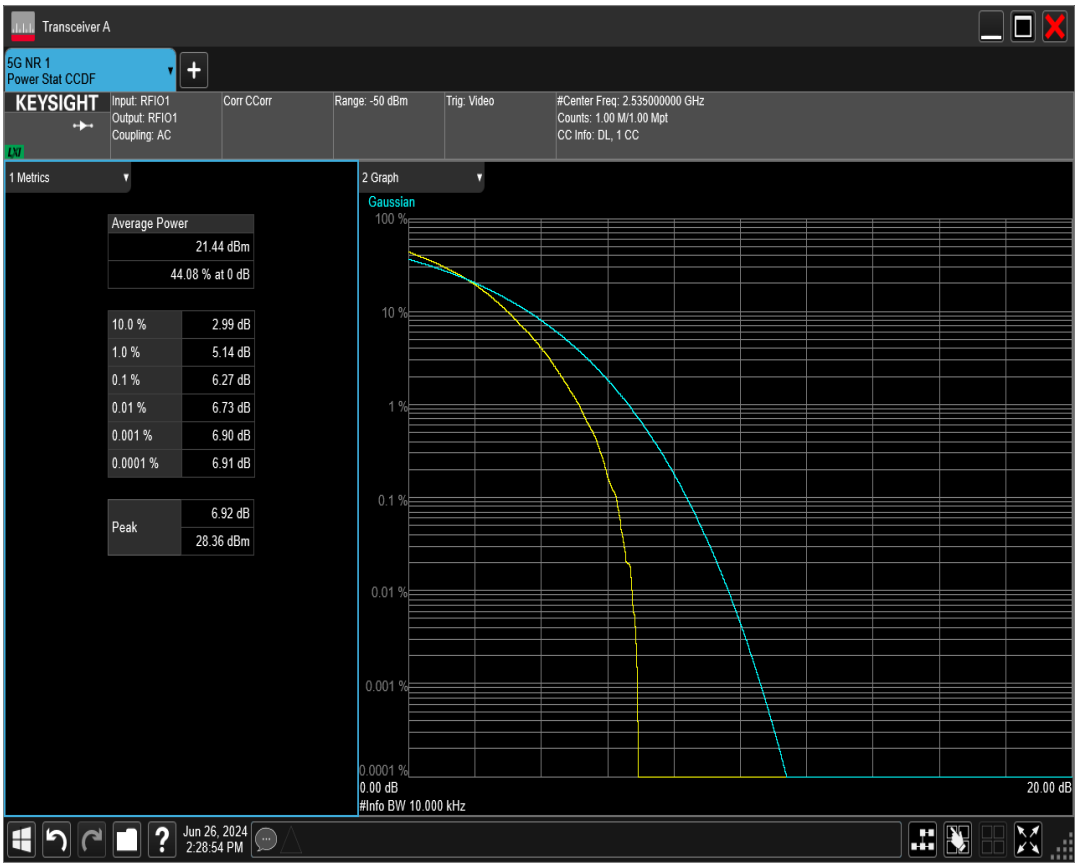

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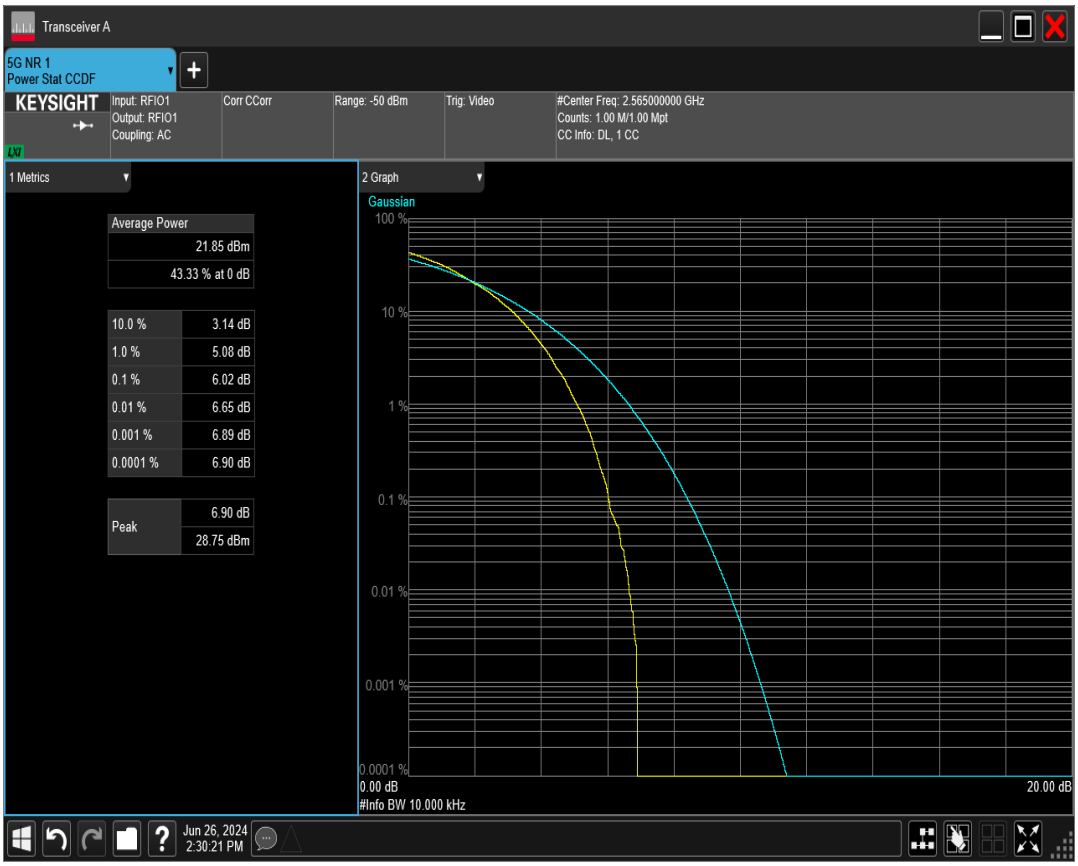

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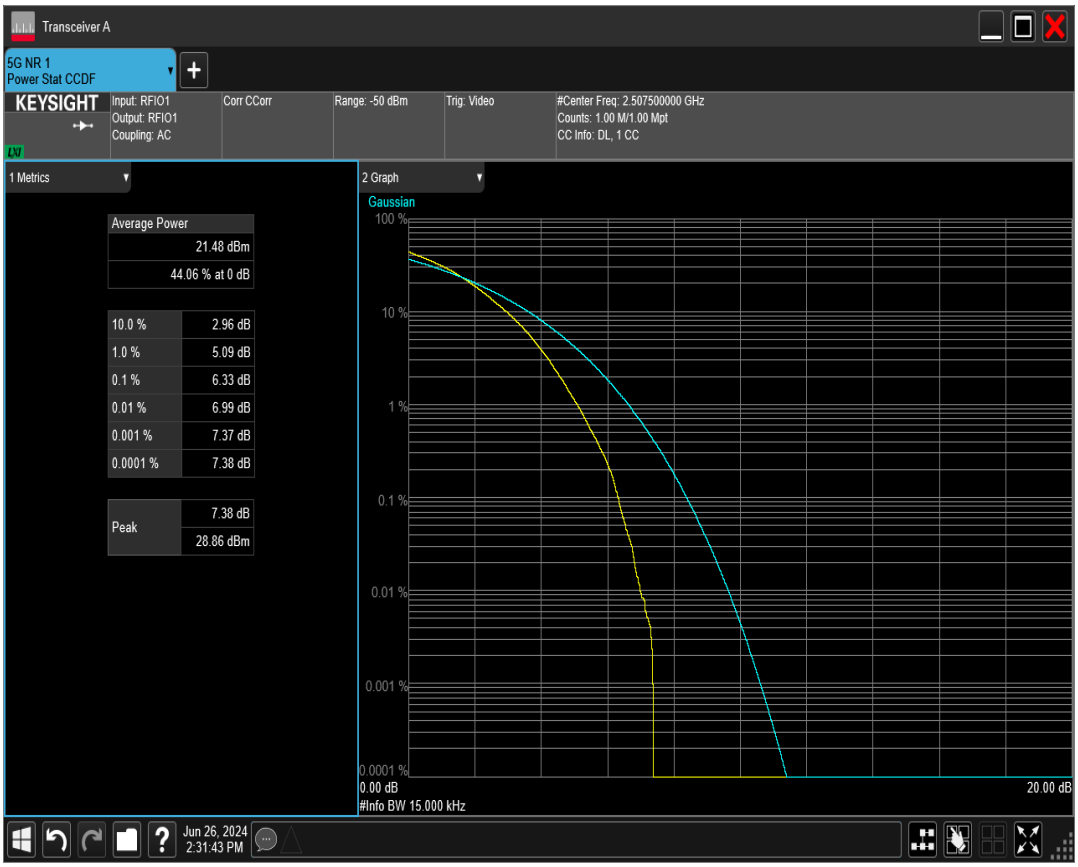

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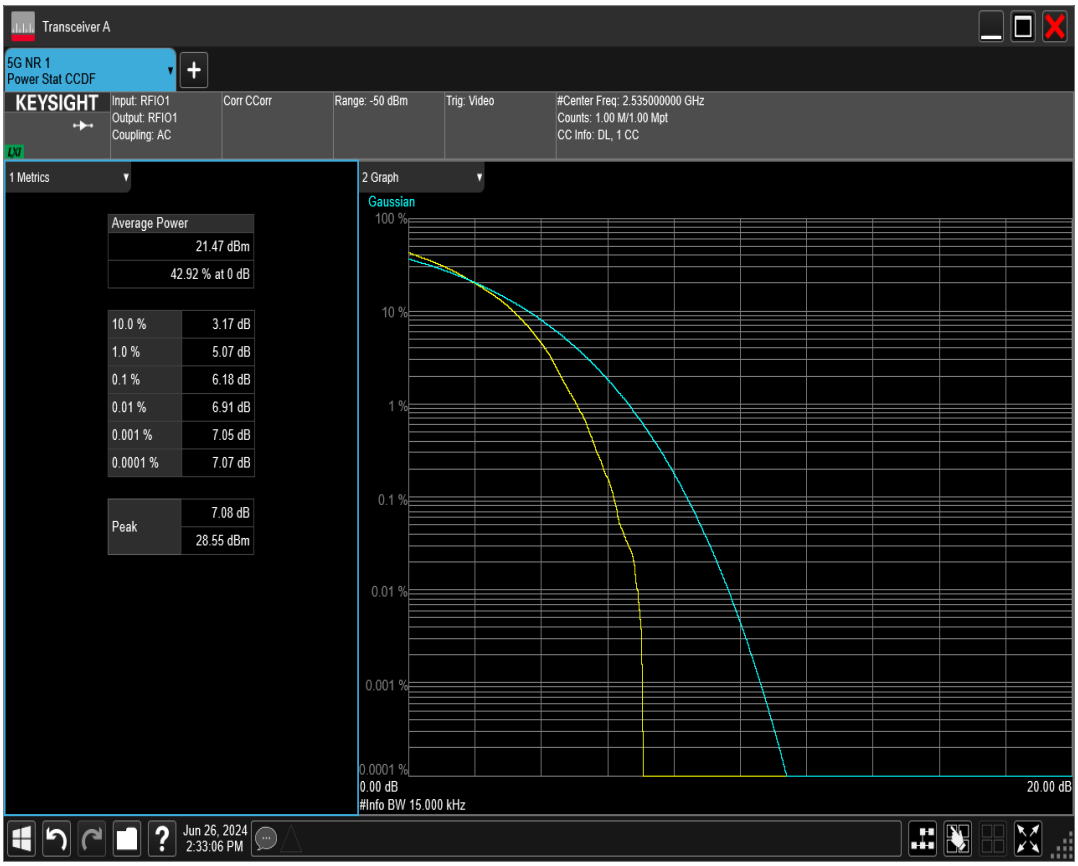
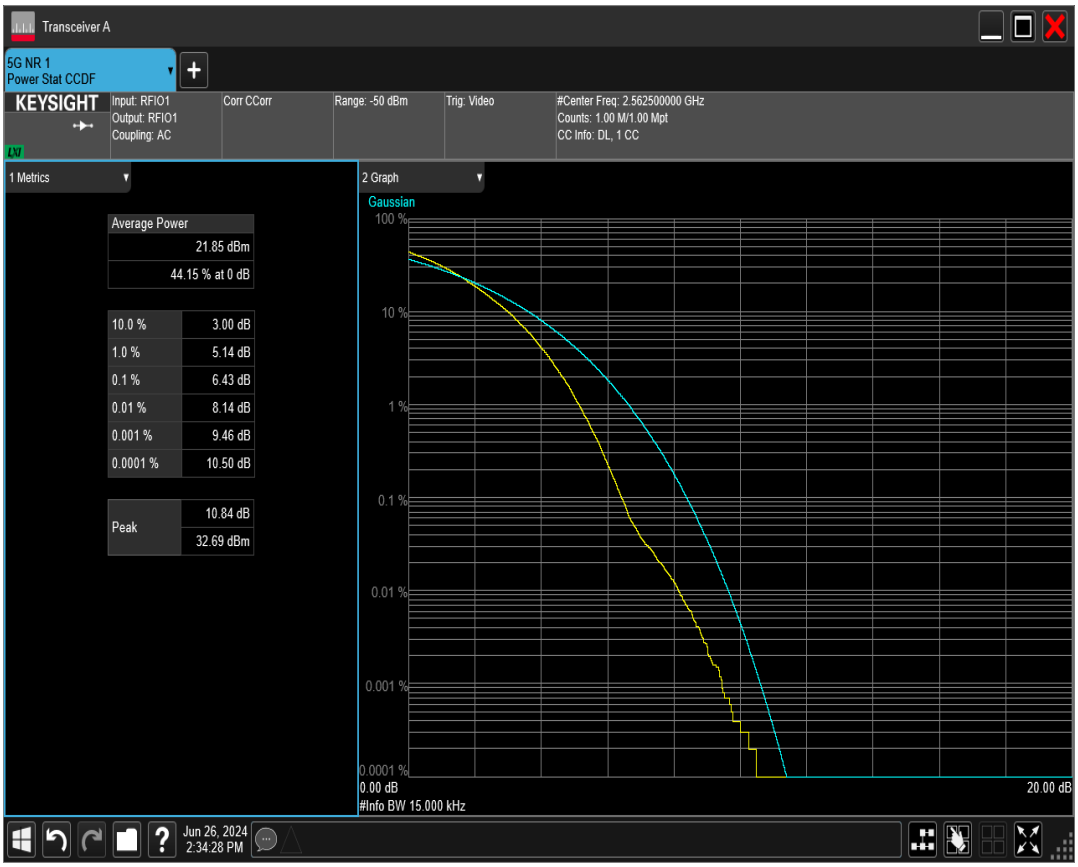
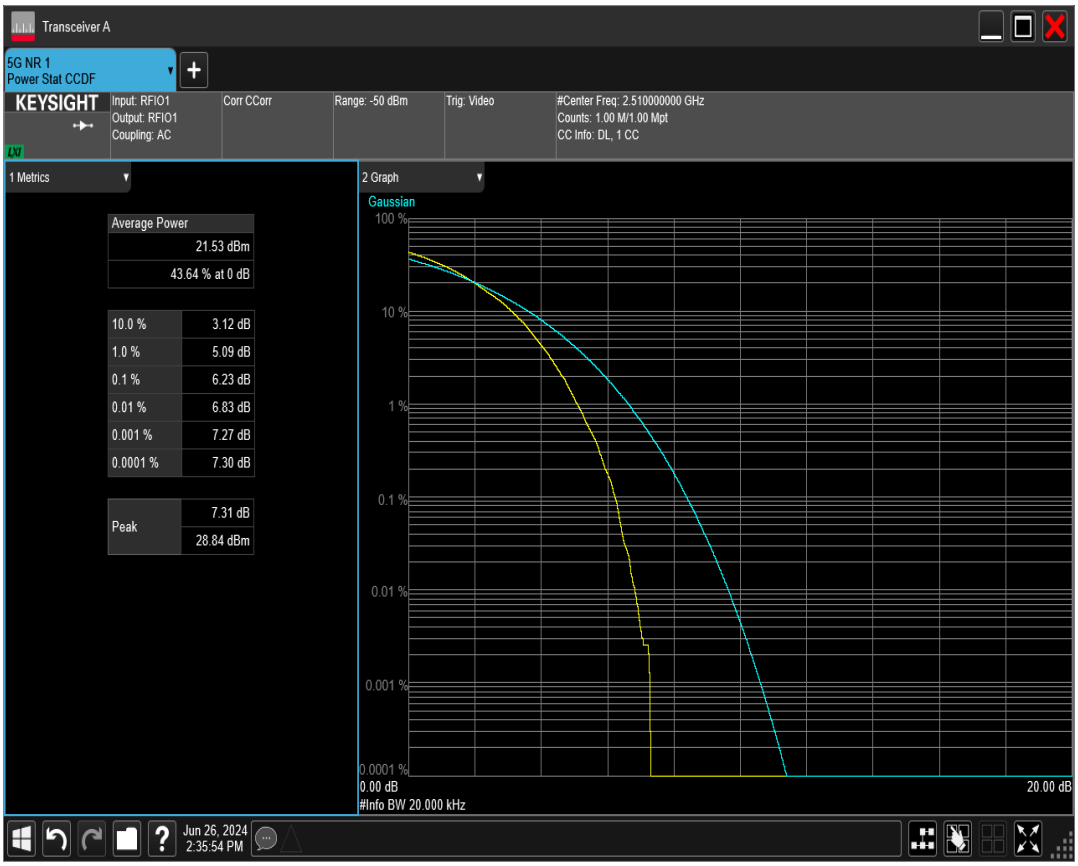


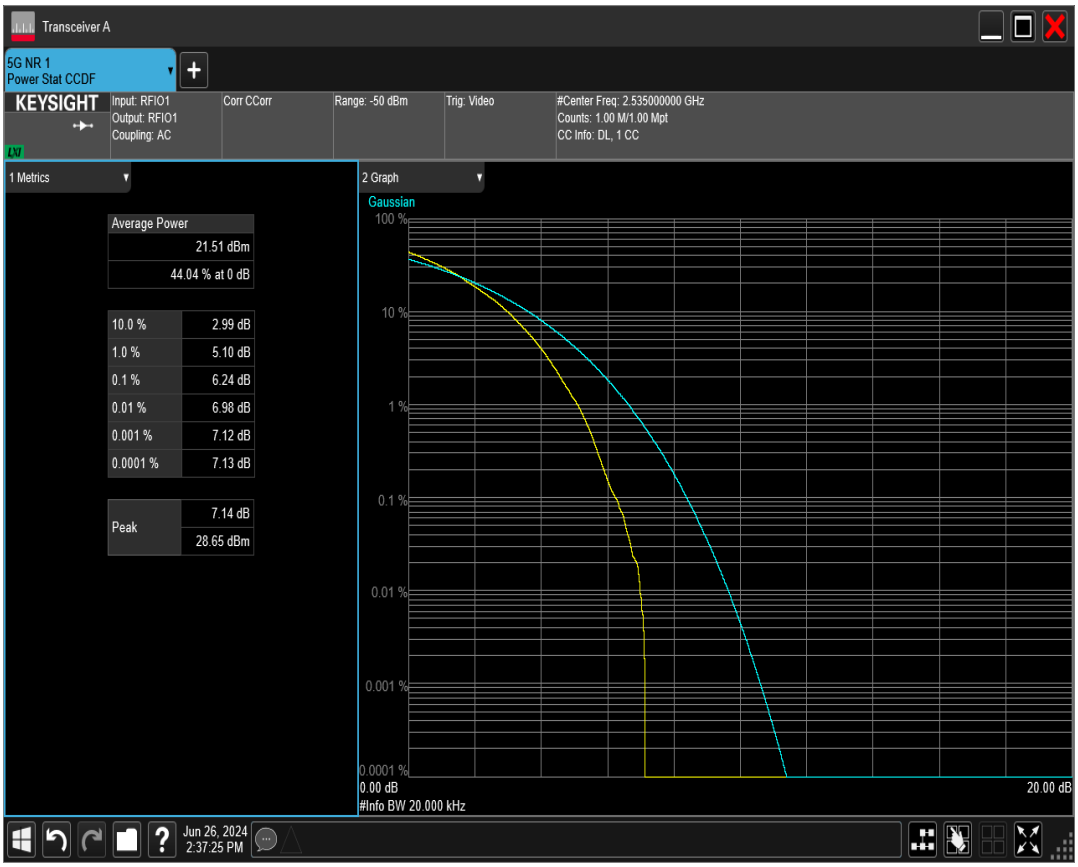
n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=512500 RB=75@0



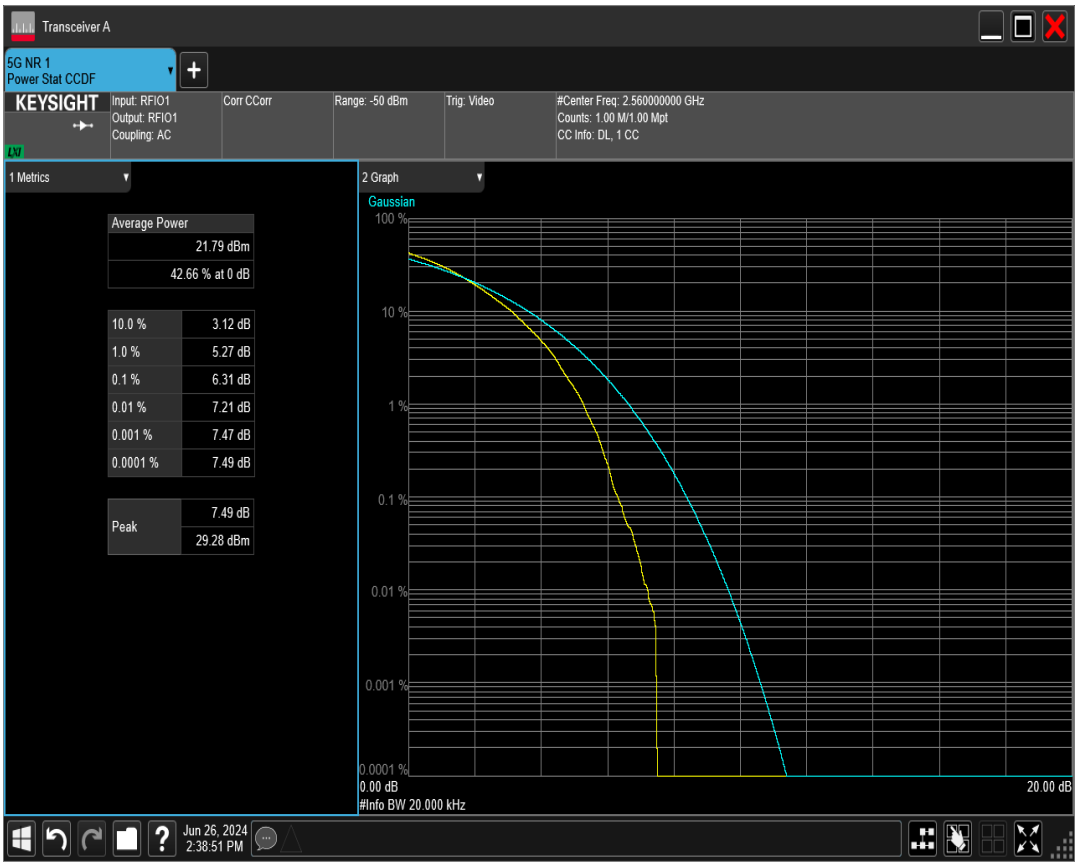
n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=502000 RB=100@0



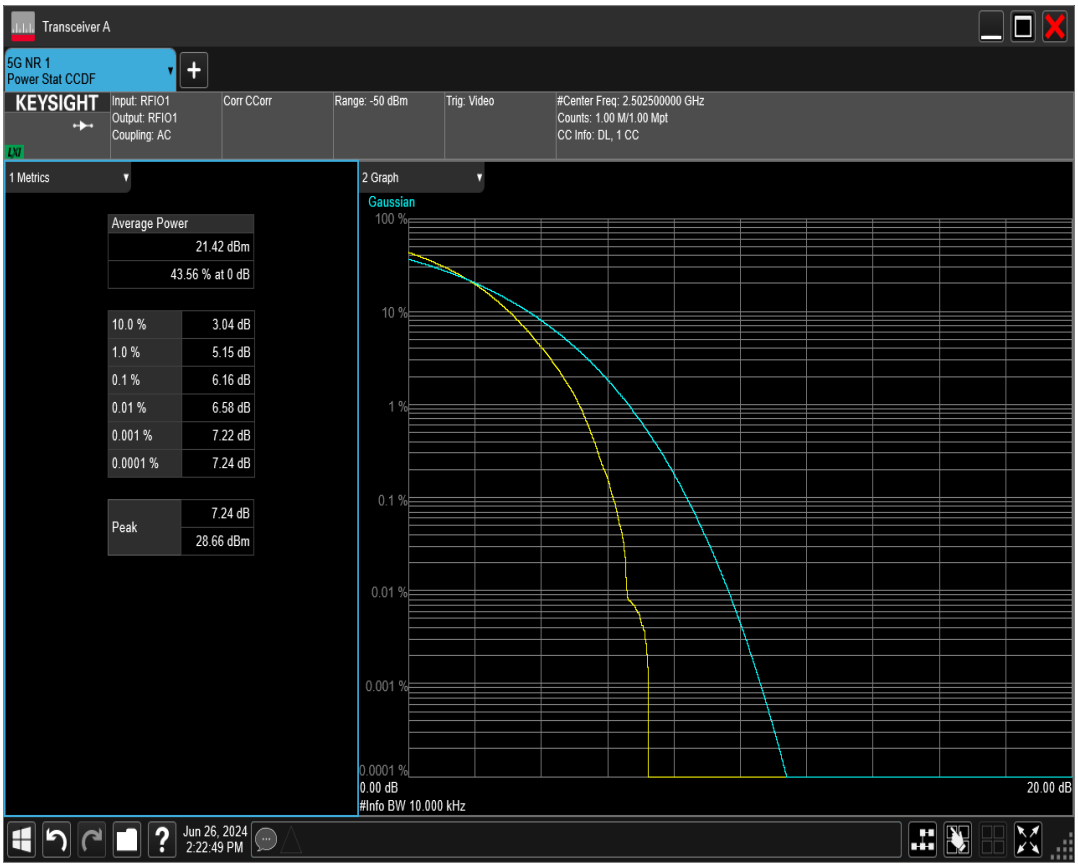
n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0



n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=512000 RB=100@0



n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=500500 RB=25@0



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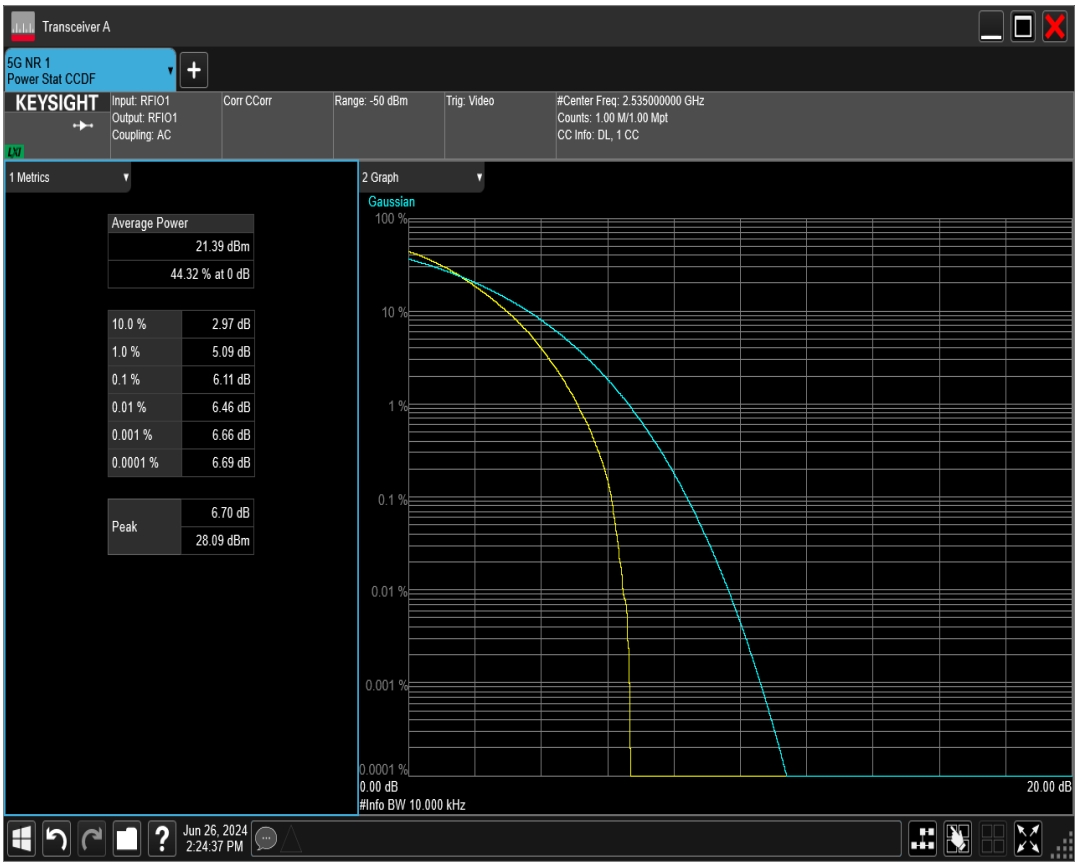
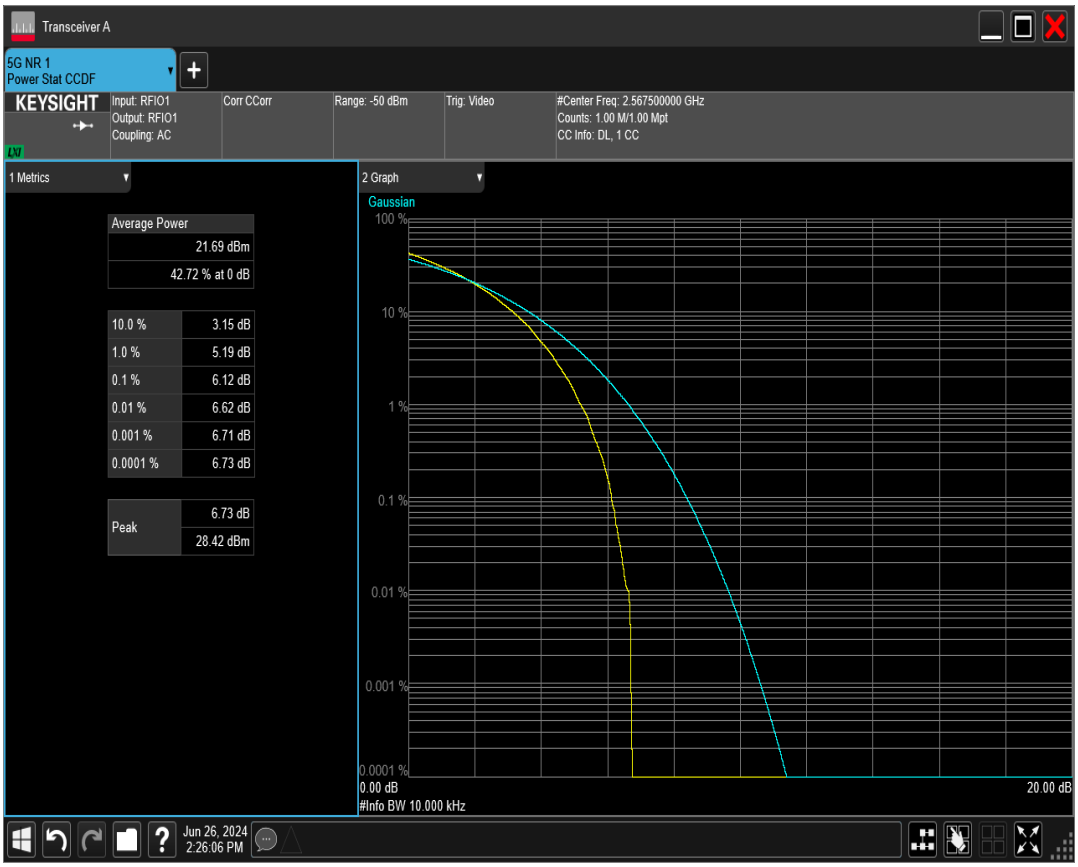
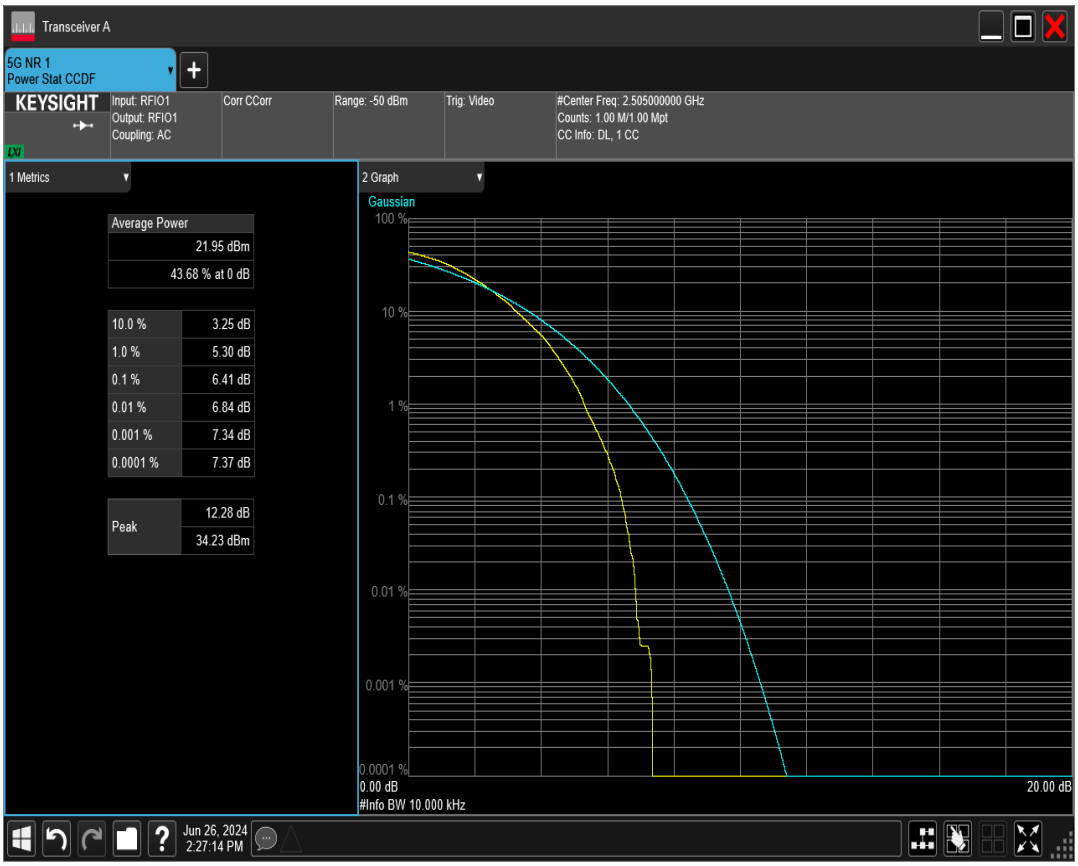


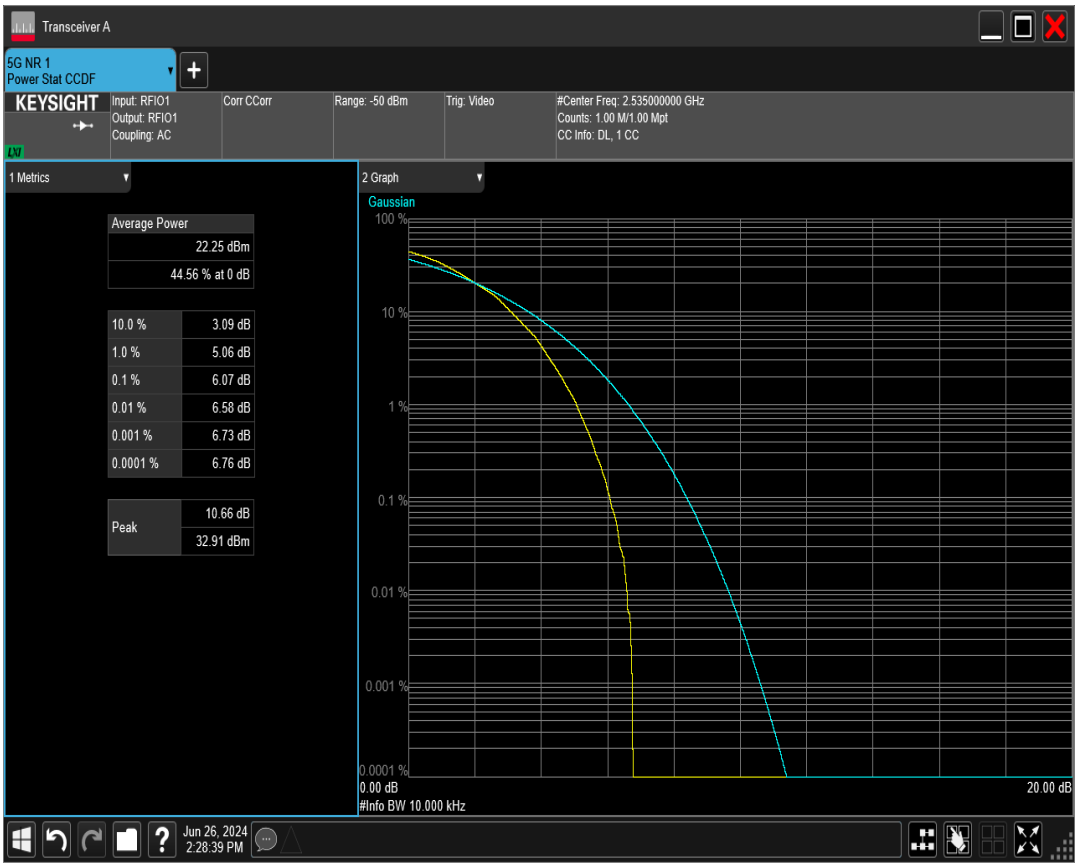
n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=513500 RB=25@0



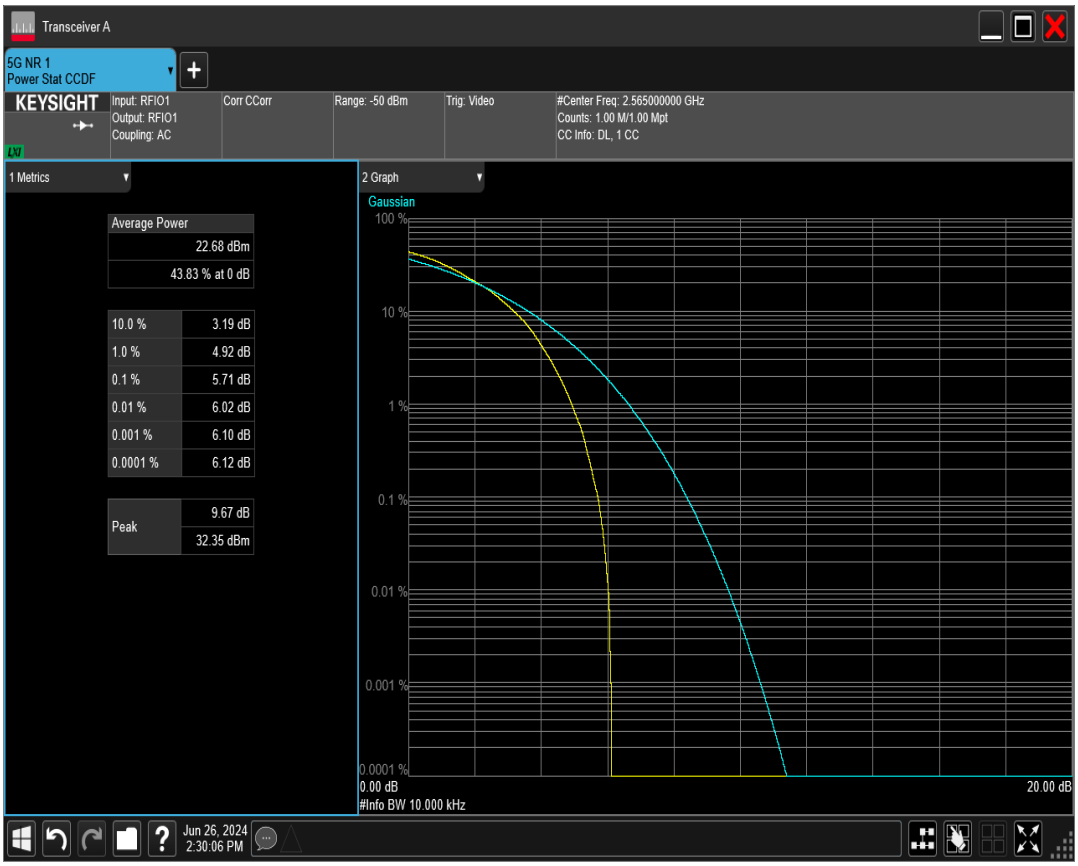
n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=501000 RB=50@0



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



n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=513000 RB=50@0



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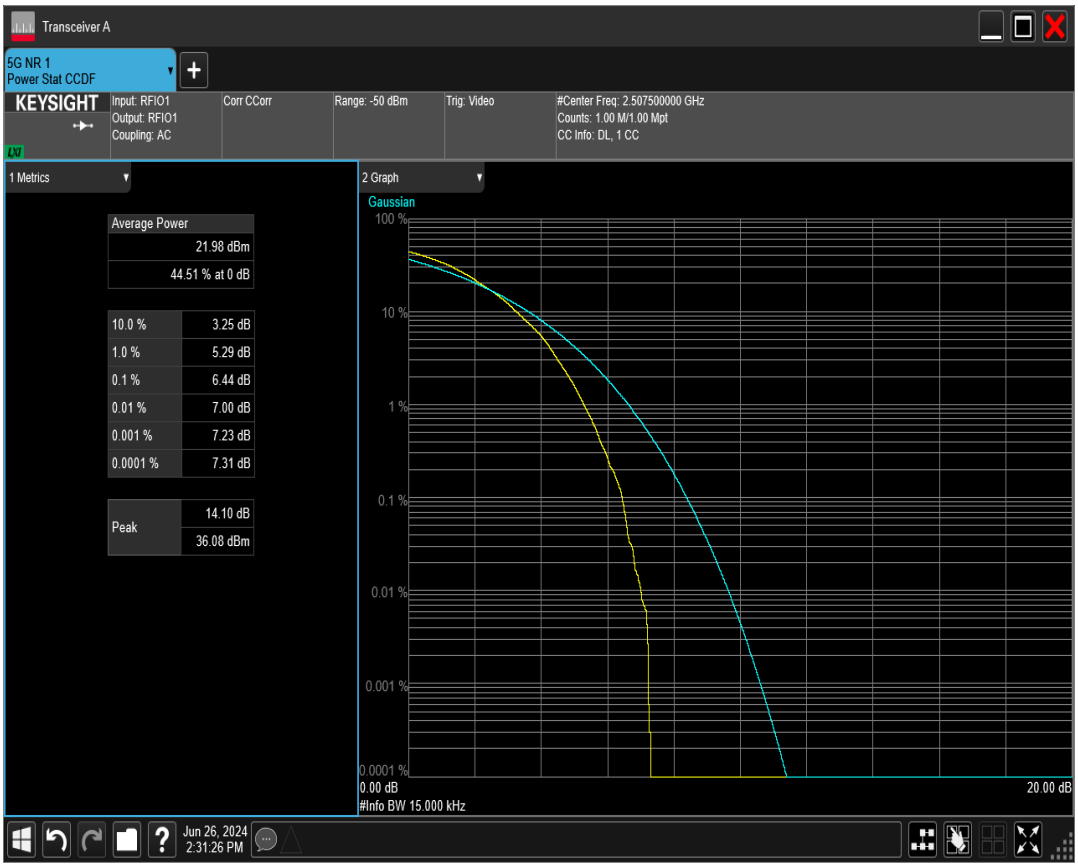

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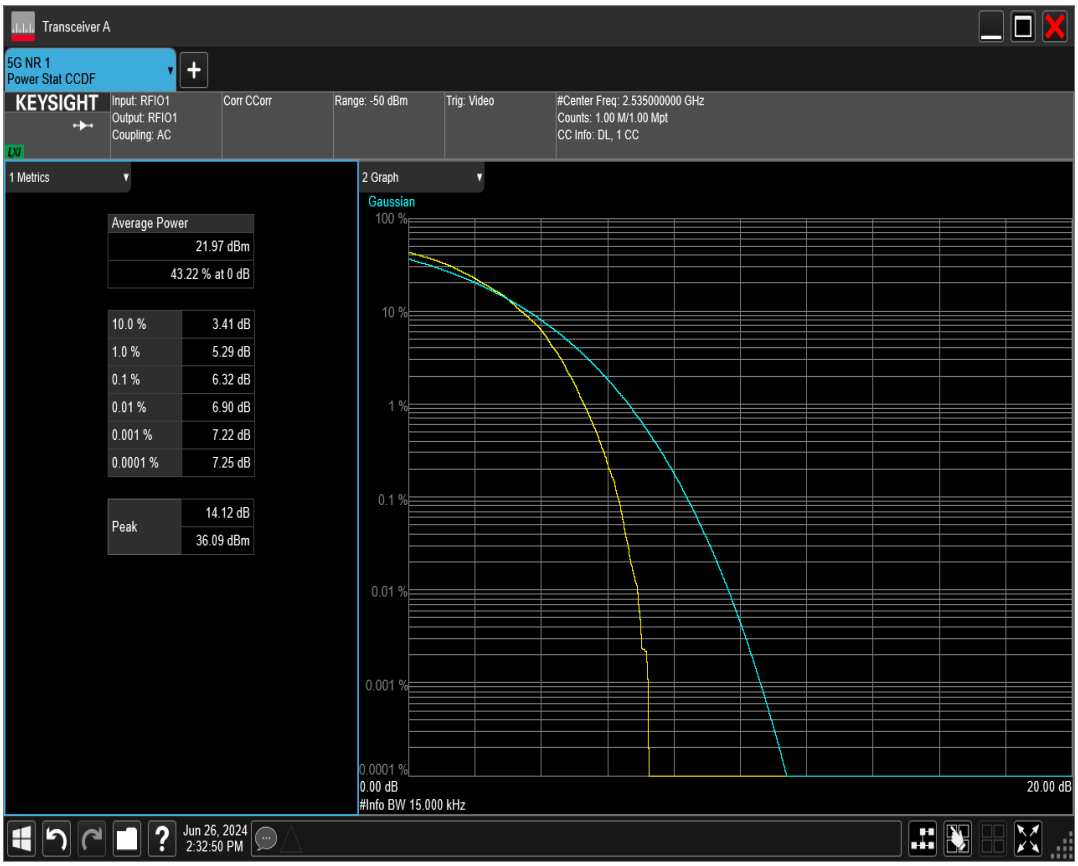

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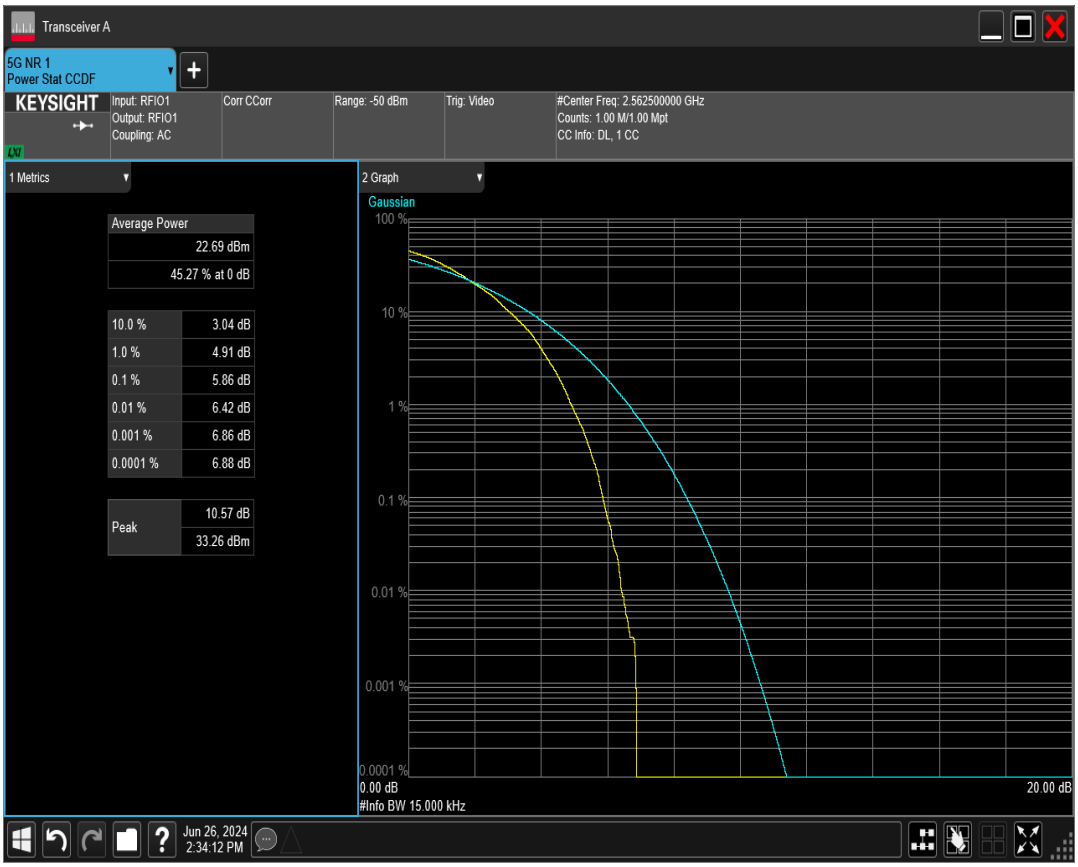
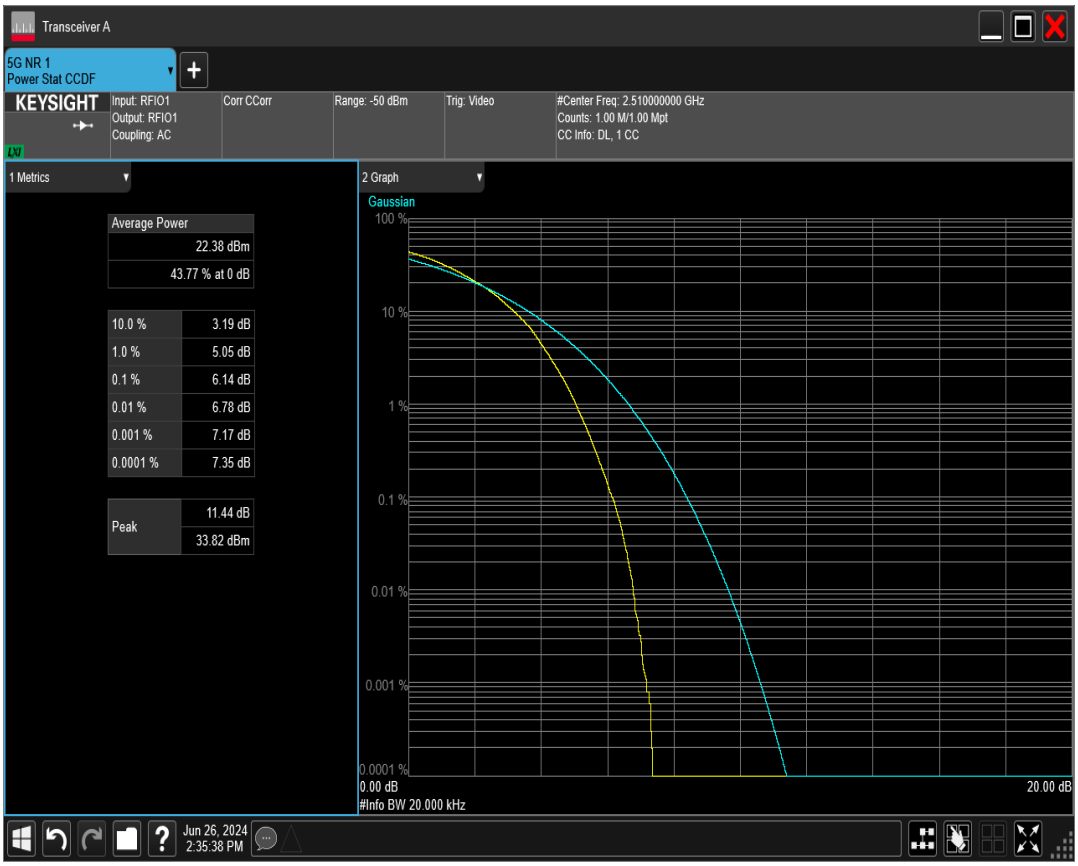
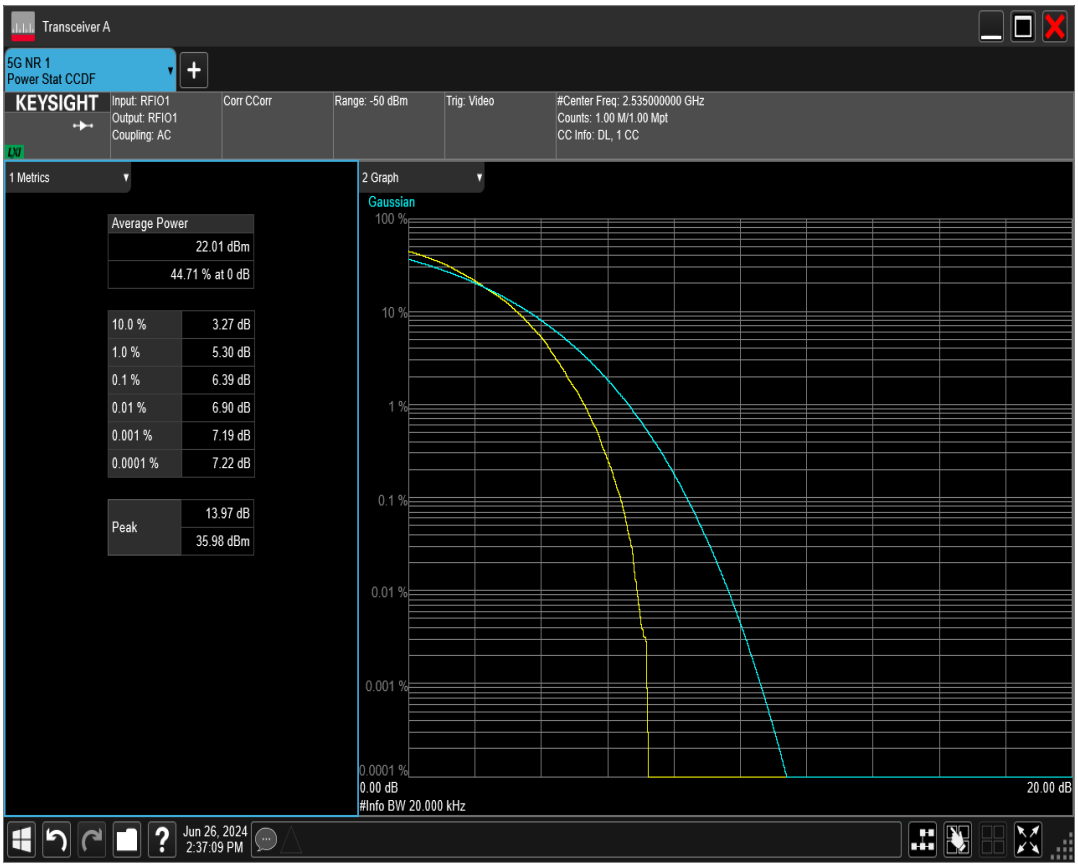


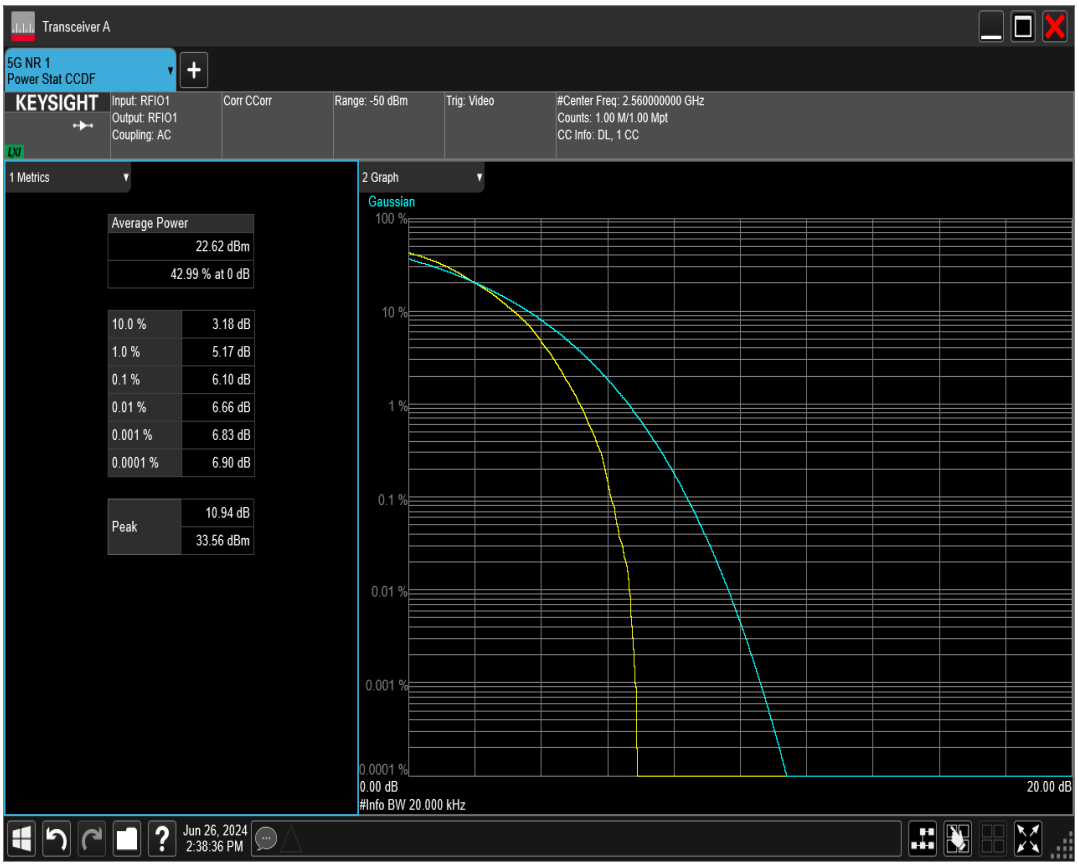
n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=502000 RB=100@0



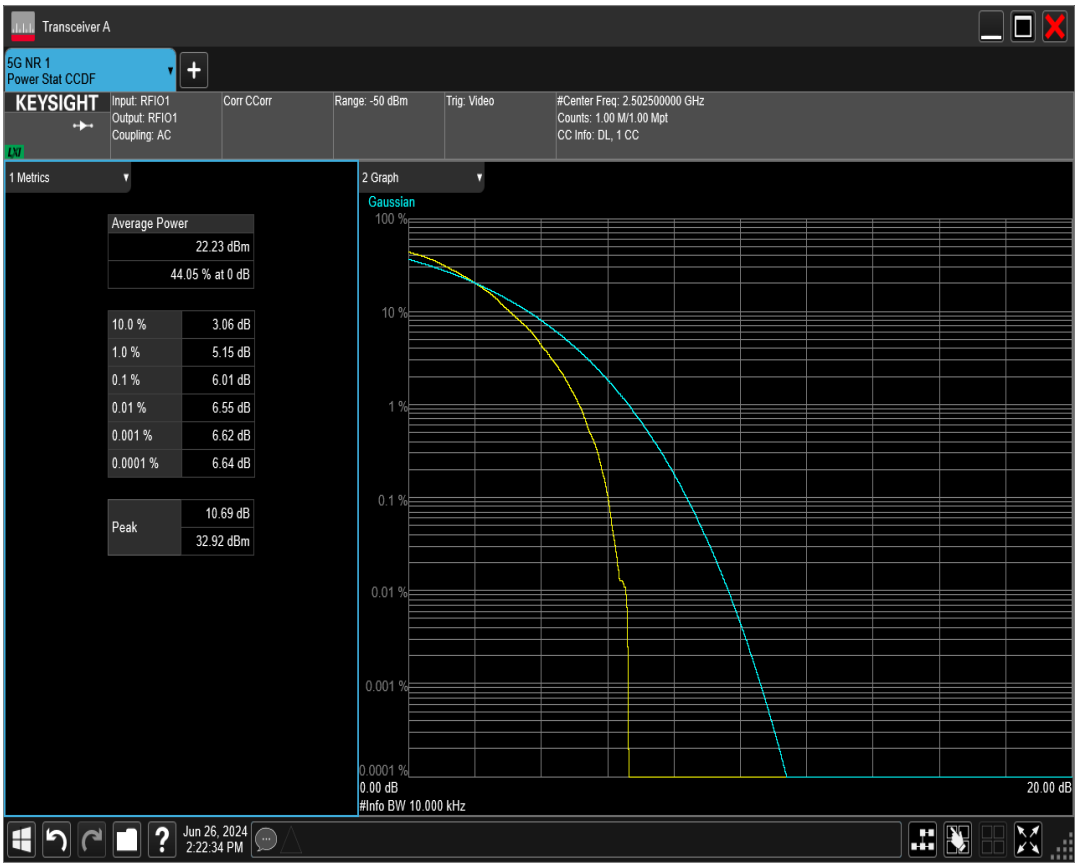
n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0



n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=512000 RB=100@0



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



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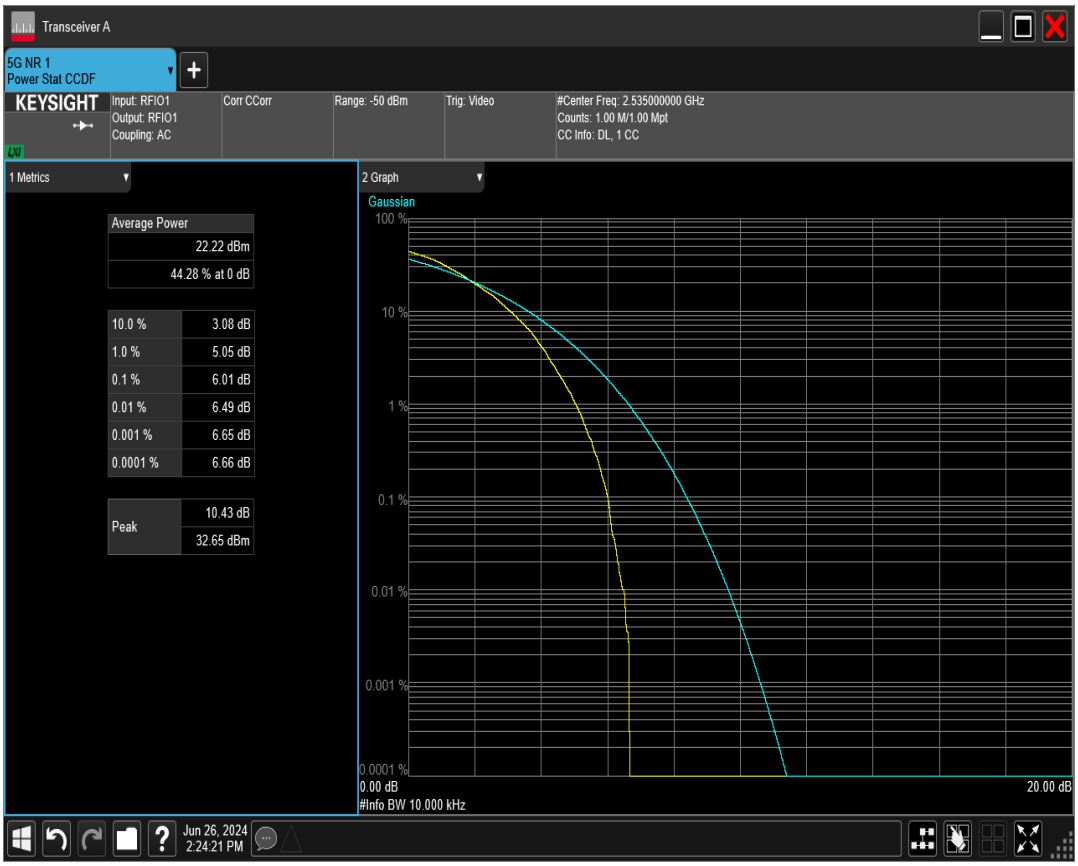
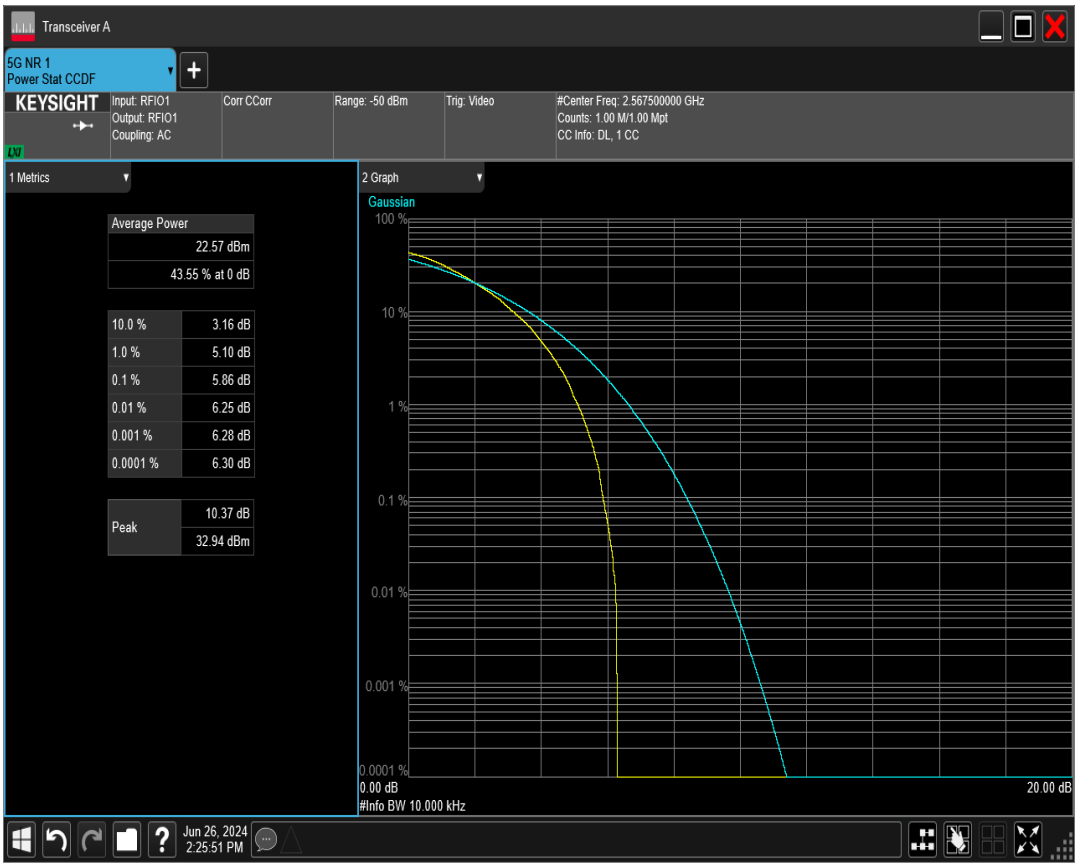


n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=513500 RB=25@0



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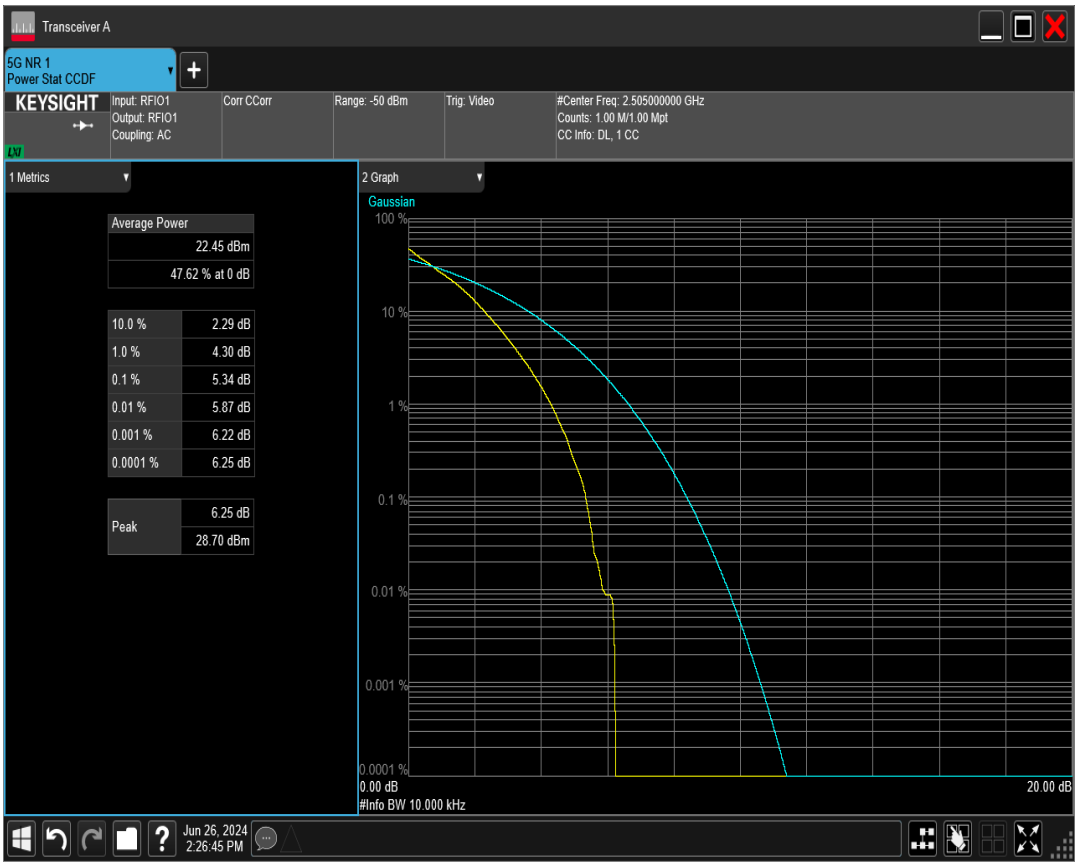

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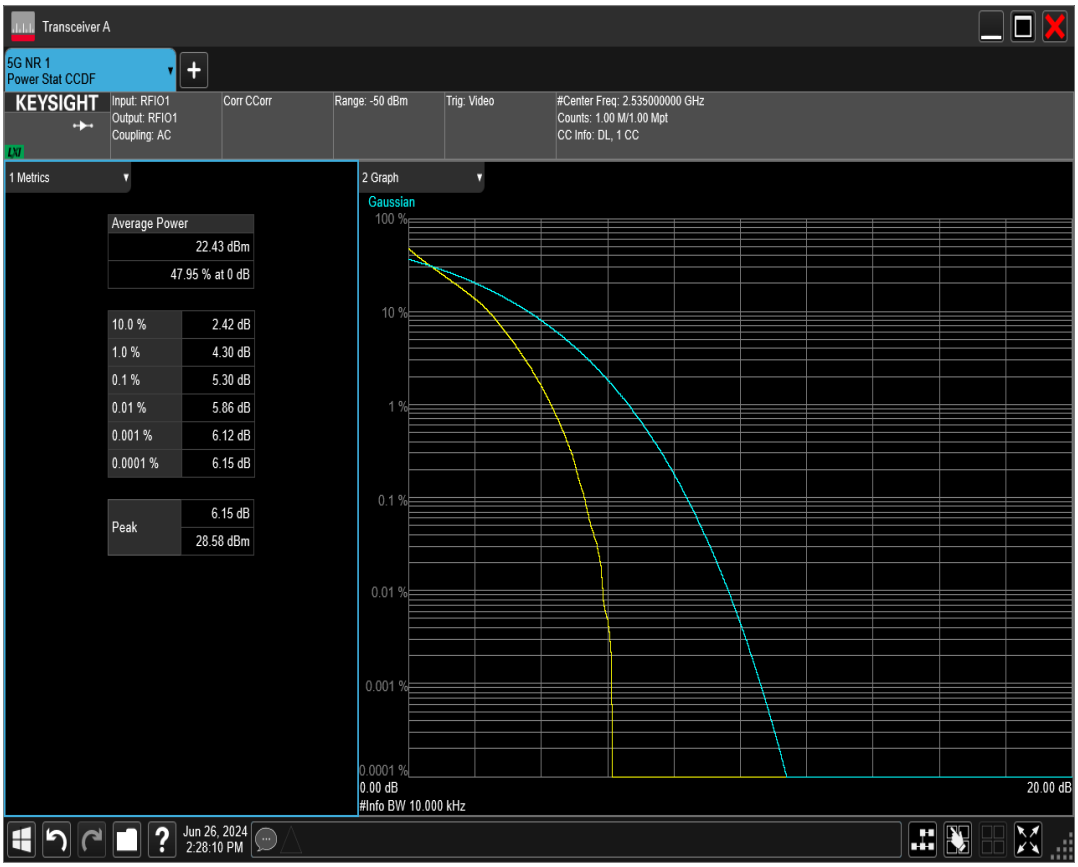
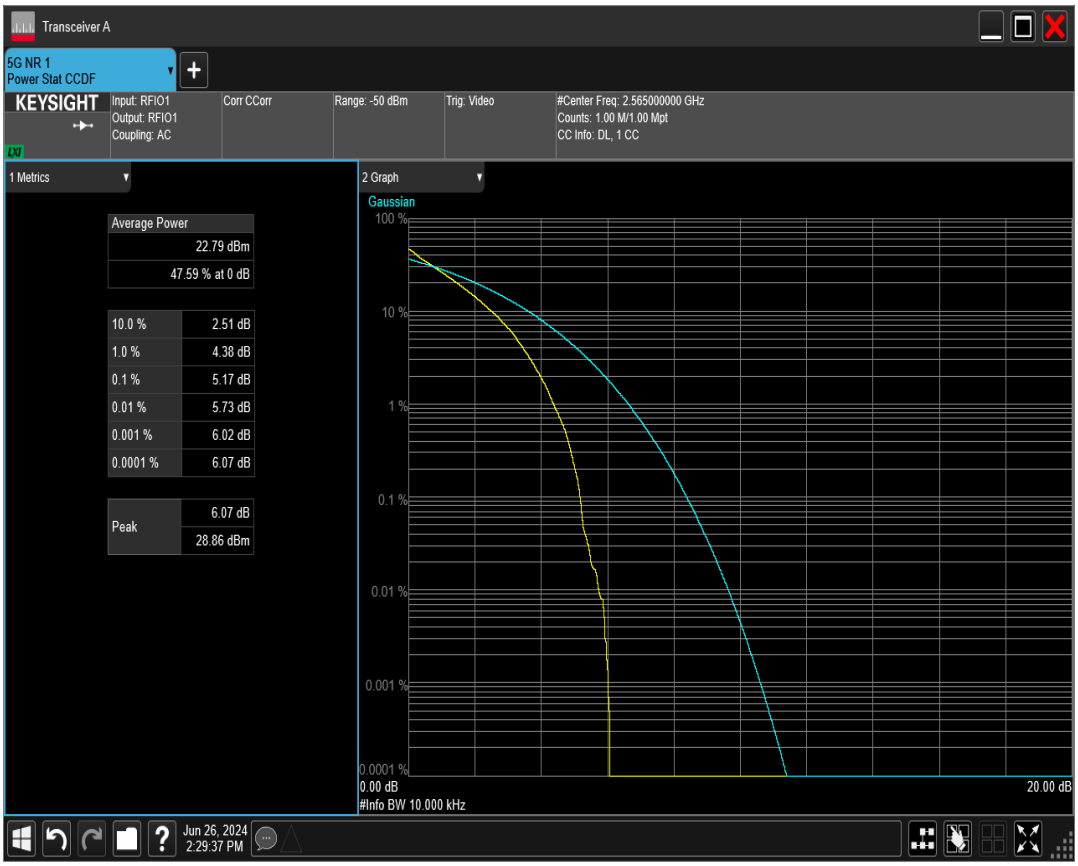


n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=513000 RB=50@0



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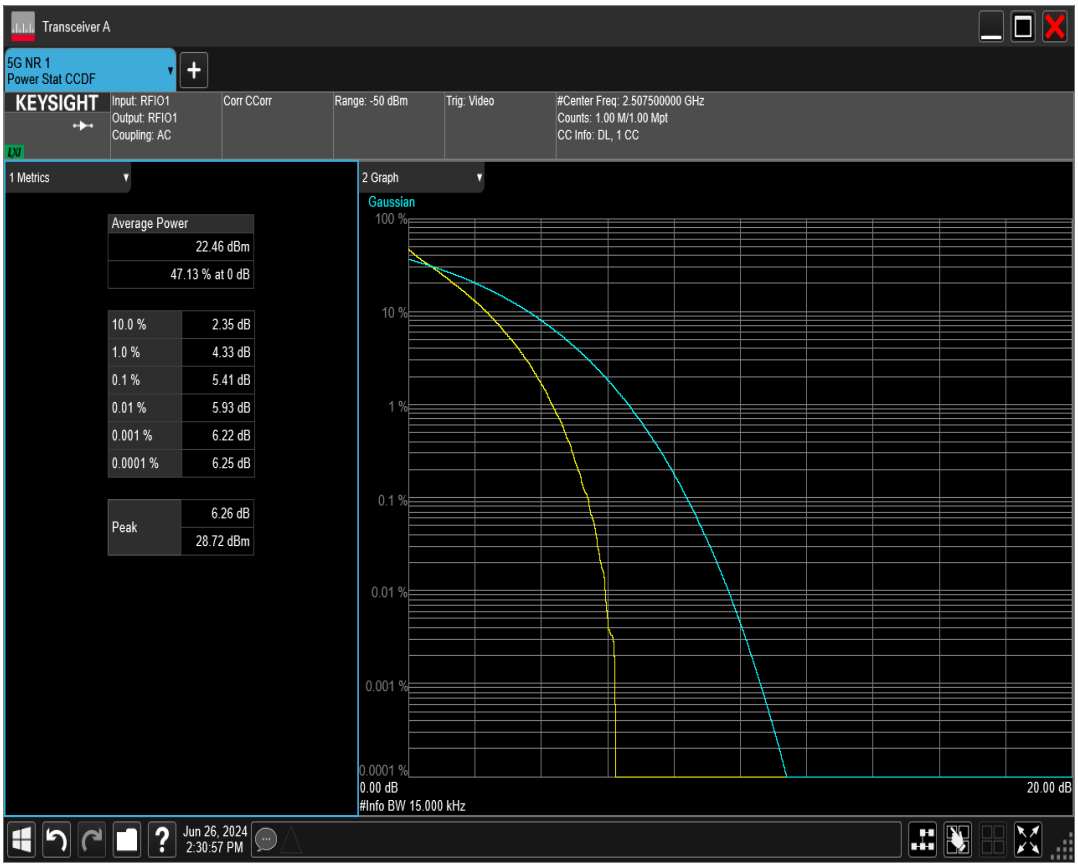
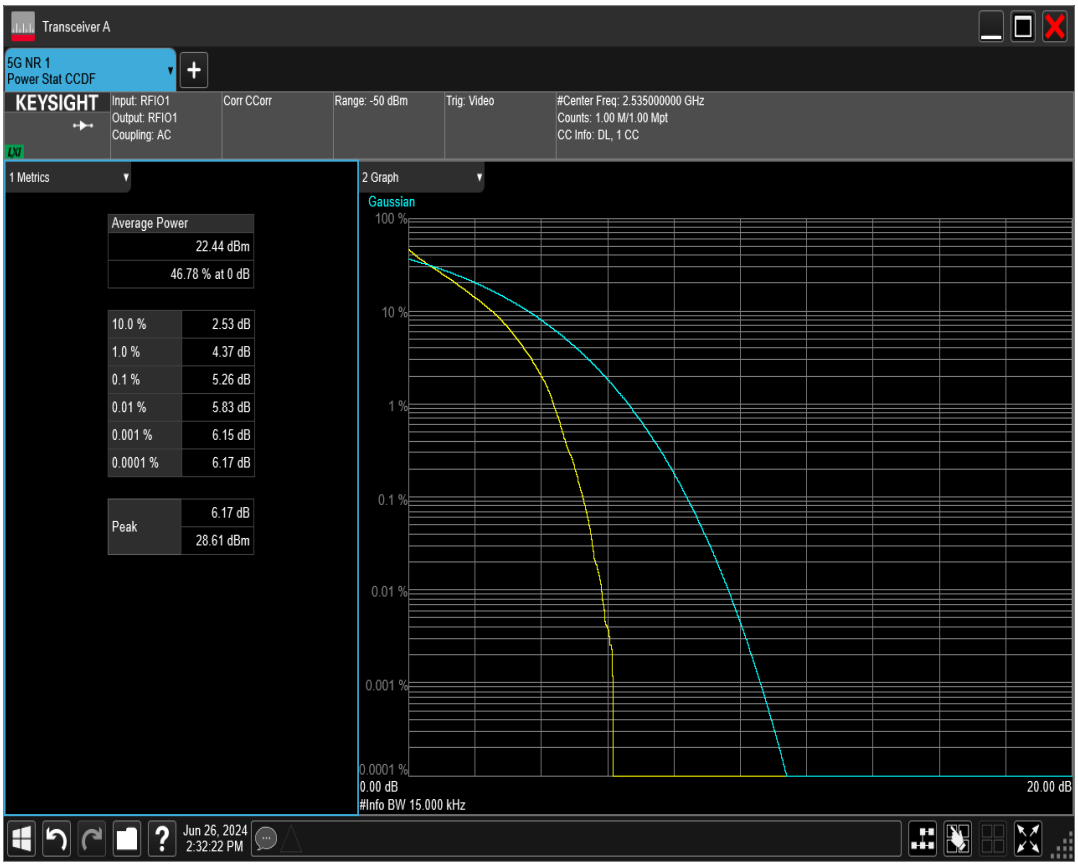


n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0



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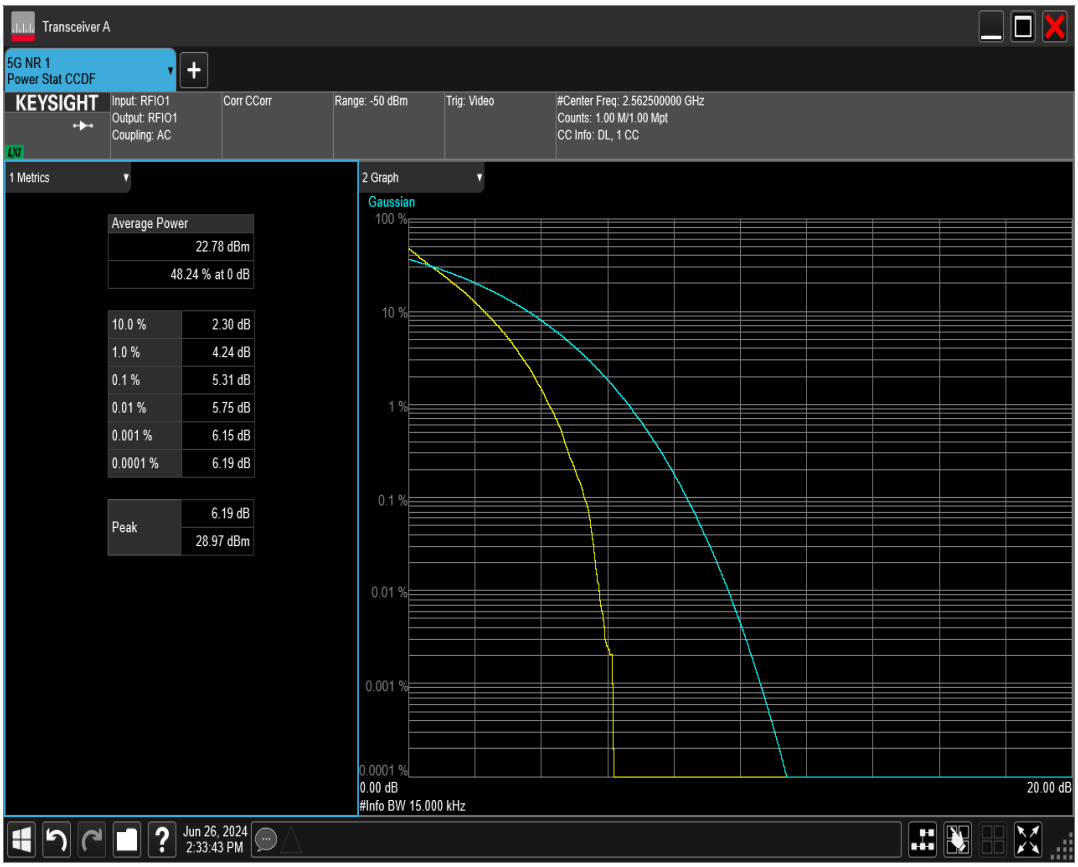
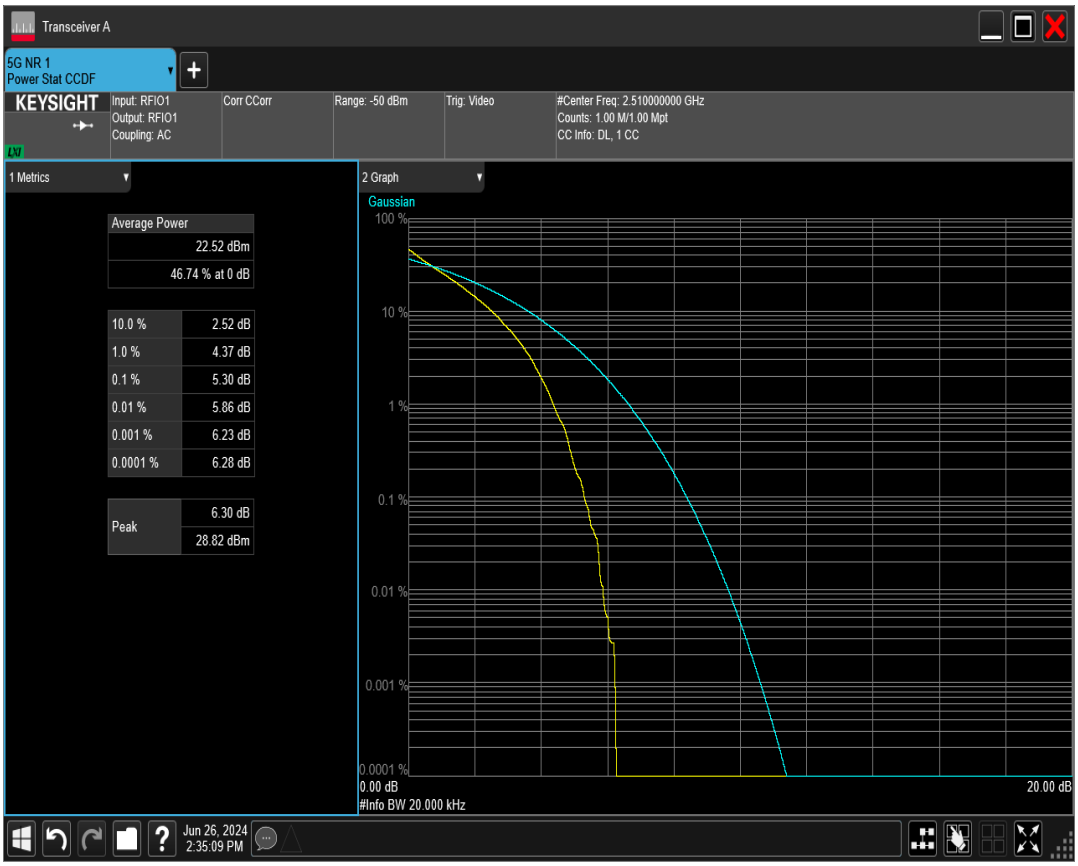


n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=502000 RB=100@0



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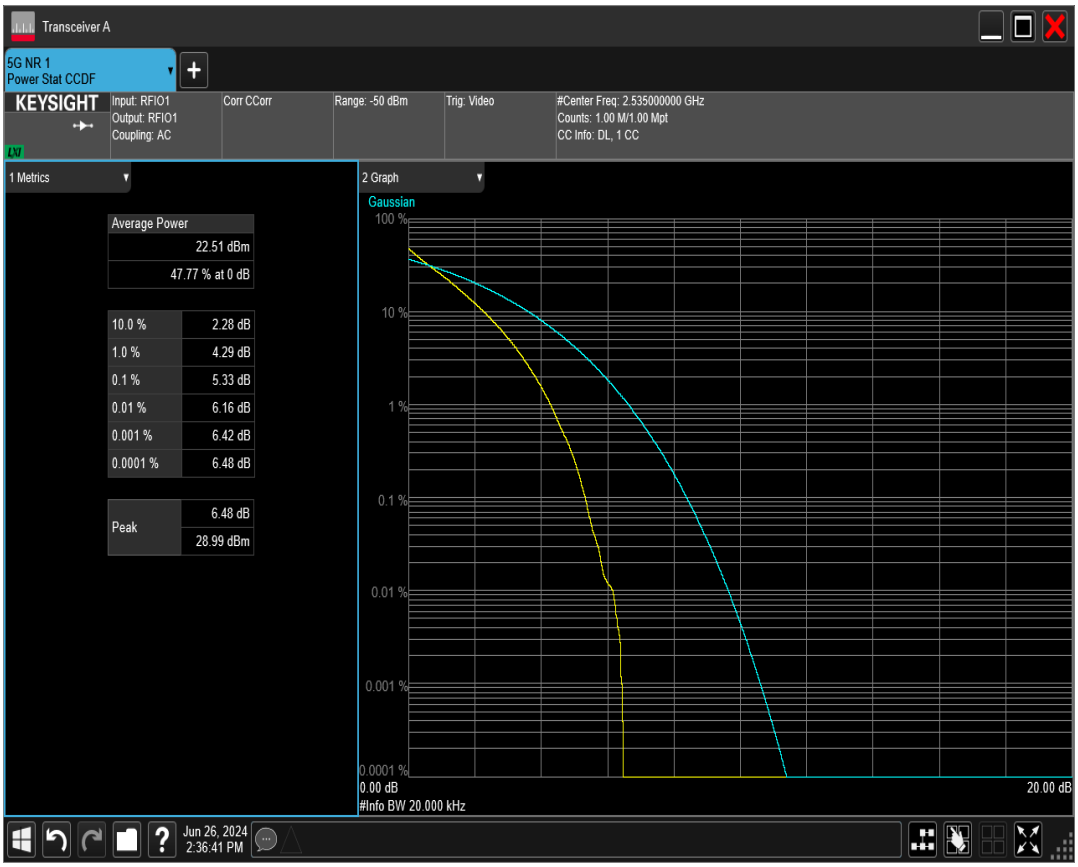
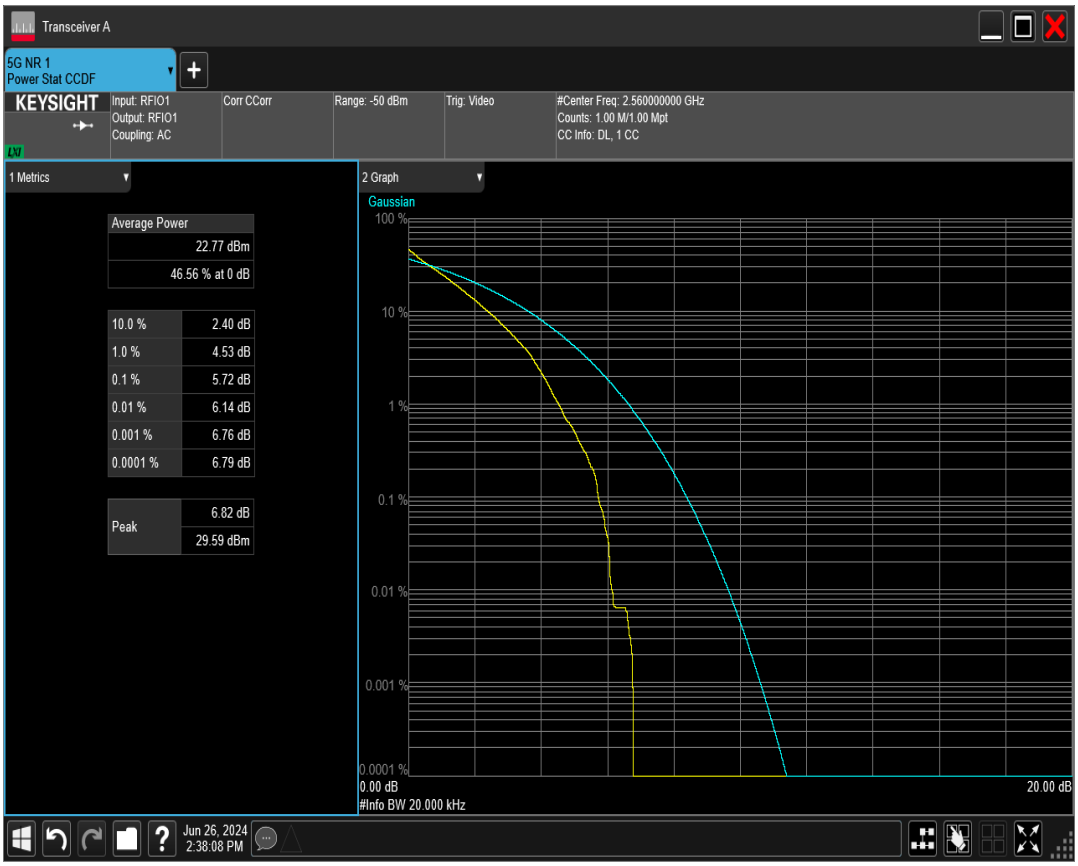


n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=512000 RB=100@0



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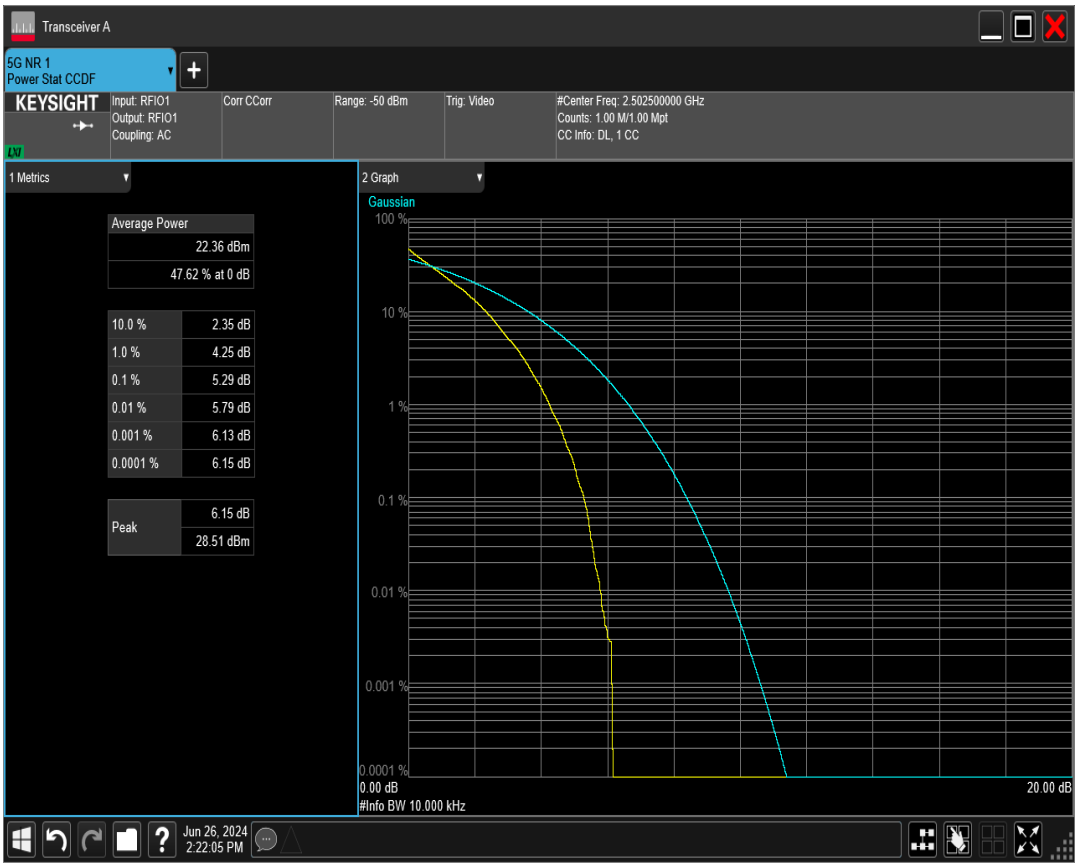

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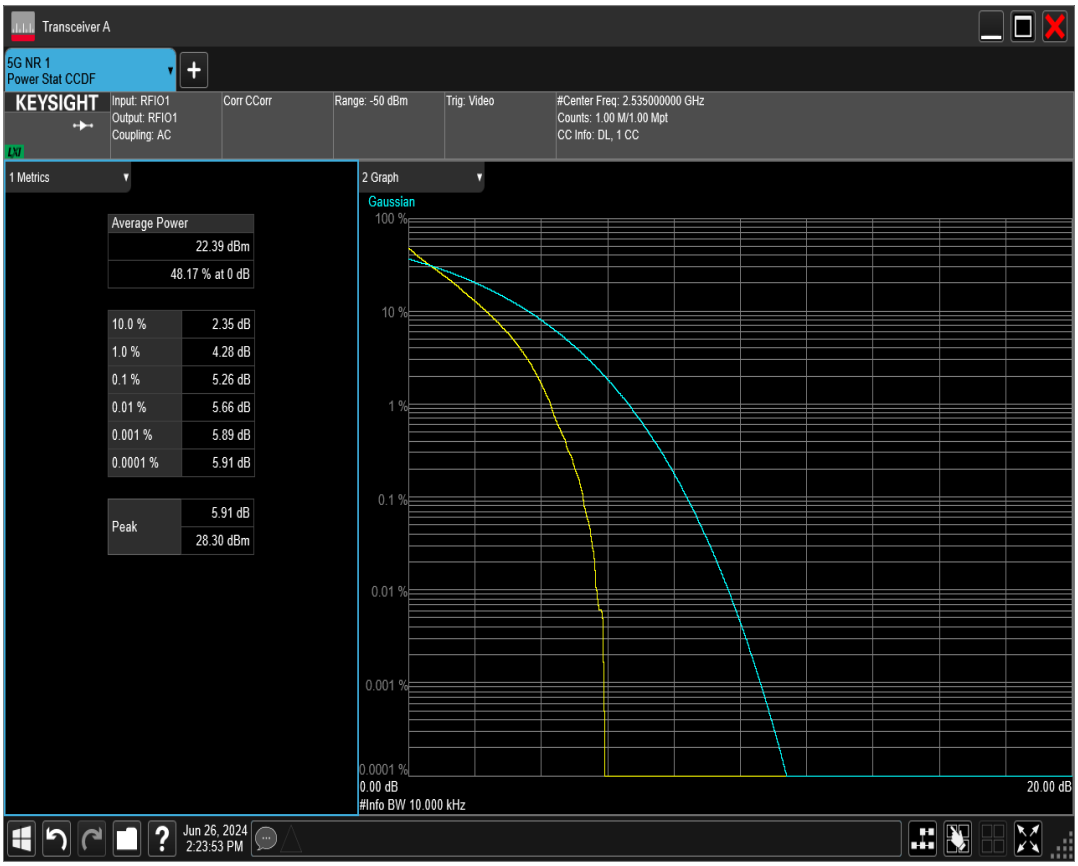
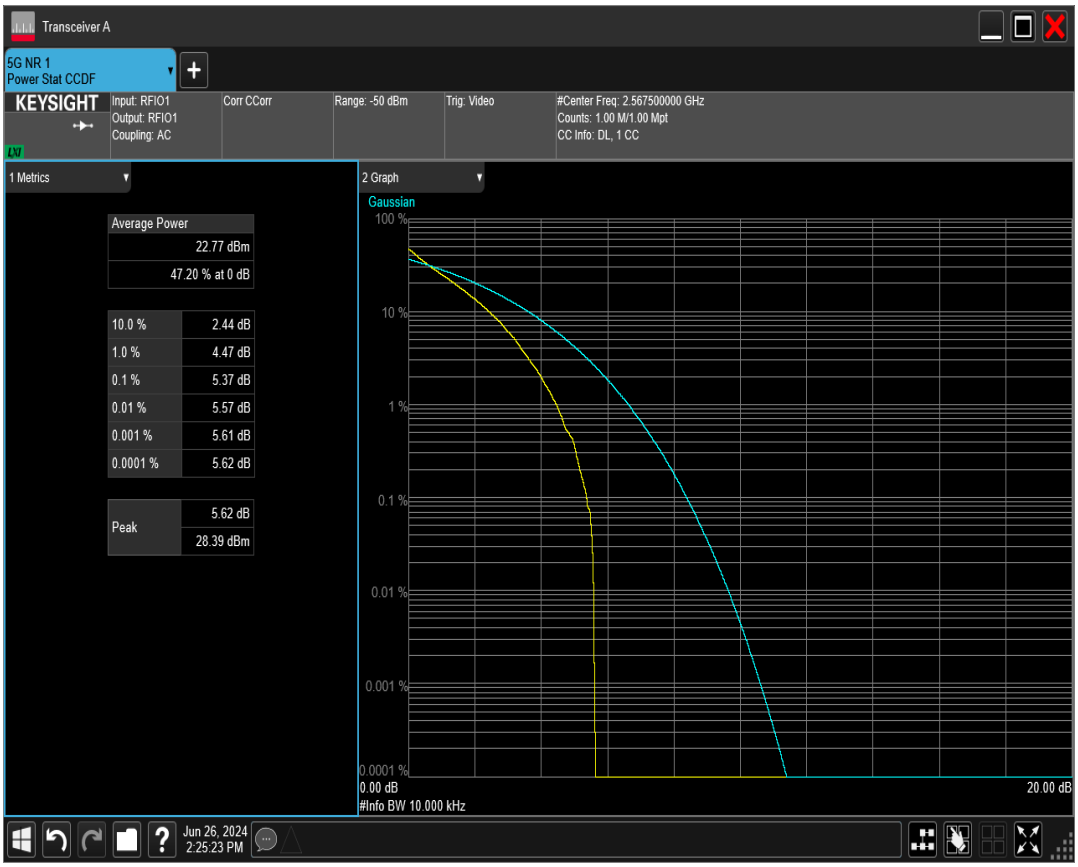


n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=513500 RB=25@0


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 2.567500000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
22.77 dBm
47.20 % at 0 dB
10.0 % 2.44 dB
1.0 % 4.47 dB
0.1 % 5.37 dB
0.01 % 5.57 dB
0.001 % 5.61 dB
0.0001 % 5.62 dB
Peak 5.62 dB
28.39 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 10.000 kHz
Jun 26, 2024
2:25:23 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	30	10	507000	24@0	DFT_BPSK	8.530	8.940	PASS
n7	30	10	507000	24@0	DFT_QPSK	8.560	9.050	PASS
n7	30	10	507000	24@0	DFT_QAM16	8.560	8.940	PASS
n7	30	10	507000	24@0	DFT_QAM64	8.550	8.870	PASS
n7	30	10	507000	24@0	DFT_QAM256	8.560	8.900	PASS
n7	30	15	507000	36@0	DFT_BPSK	13.500	13.230	PASS
n7	30	15	507000	36@0	DFT_QPSK	13.520	13.270	PASS
n7	30	15	507000	36@0	DFT_QAM16	13.420	13.260	PASS
n7	30	15	507000	36@0	DFT_QAM64	13.560	23.270	PASS
n7	30	15	507000	36@0	DFT_QAM256	13.390	13.260	PASS
n7	30	20	507000	50@0	DFT_BPSK	18.010	18.220	PASS
n7	30	20	507000	50@0	DFT_QPSK	18.040	18.250	PASS
n7	30	20	507000	50@0	DFT_QAM16	18.030	18.340	PASS
n7	30	20	507000	50@0	DFT_QAM64	18.040	18.320	PASS
n7	30	20	507000	50@0	DFT_QAM256	18.040	18.250	PASS

n7 SCS=30kHz DFT_BPSK BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_BPSK BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_BPSK BW=20MHz Channel=507000 RB=50@0

n7 SCS=30kHz DFT_QAM16 BW=10MHz Channel=507000 RB=24@0

n7 SCS=30kHz DFT_QAM16 BW=15MHz Channel=507000 RB=36@0

n7 SCS=30kHz DFT_QAM16 BW=20MHz Channel=507000 RB=50@0