

TABLE OF CONTENTS

1 Conducted output power for EN-DC2

2 Frequency stability for EN-DC4

3 Peak-to-Average Ratio for EN-DC.....6

4 Occupied bandwidth for EN-DC.....30

5 Band edge for EN-DC48

6 Out-of-band emissions for EN-DC67

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
Band5	30	5	20425	1@0	QPSK	19.89			
n38	30	10	515000	1@0	DFT_BPSK	20.30			
Sum	30					23.11	19	26	PASS
Band5	30	5	20525	8@0	QPSK	20.00			
n38	30	10	519000	12@6	DFT_BPSK	20.23			
Sum	30					23.12	19	26	PASS
Band5	30	5	20525	8@0	QPSK	19.95			
n38	30	10	519000	12@6	DFT_QPSK	20.16			
Sum	30					23.06	19	26	PASS
Band5	30	5	20625	1@17	QPSK	20.13			
n38	30	10	523000	1@23	DFT_BPSK	20.16			
Sum	30					23.15	19	26	PASS
Band5	30	5	20625	8@17	QPSK	20.04			
n38	30	10	523000	12@6	DFT_BPSK	20.16			
Sum	30					23.11	19	26	PASS
Band5	30	5	20625	1@17	QPSK	20.13			
n38	30	10	523000	1@23	DFT_QPSK	20.00			
Sum	30					23.07	19	26	PASS
Band5	30	5	20625	8@17	QPSK	20.04			
n38	30	10	523000	12@6	DFT_QPSK	20.06			
Sum	30					23.06	19	26	PASS
Band5	30	10	20450	1@0	QPSK	20.28			
n38	30	20	516000	1@0	DFT_BPSK	20.12			
Sum	30					23.21	19	26	PASS
Band5	30	10	20525	12@0	QPSK	19.97			
n38	30	20	519000	25@12	DFT_BPSK	20.16			
Sum	30					23.07	19	26	PASS
Band5	30	10	20525	12@0	QPSK	20.01			
n38	30	20	519000	25@12	DFT_QPSK	20.17			
Sum	30					23.10	19	26	PASS
Band5	30	10	20600	1@38	QPSK	20.37			
n38	30	20	522000	1@50	DFT_BPSK	20.09			
Sum	30					23.24	19	26	PASS
Band5	30	10	20600	12@38	QPSK	20.05			
n38	30	20	522000	25@12	DFT_BPSK	20.11			
Sum	30					23.09	19	26	PASS
Band5	30	10	20600	1@38	QPSK	20.39			
n38	30	20	522000	1@50	DFT_QPSK	20.04			

Sum	30					23.22	19	26	PASS
Band5	30	10	20600	12@38	QPSK	20.07			
n38	30	20	522000	25@12	DFT_QPSK	20.04			
Sum	30					23.06	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
n38	30	10	515000	12@6	DFT_BPSK	-5.74	-0.00223	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	-5.90	-0.00229	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-6.77	-0.00263	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-7.25	-0.00282	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-5.42	-0.00210	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-3.99	-0.00155	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-7.07	-0.00272	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-9.15	-0.00353	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-6.79	-0.00262	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	-0.71	-0.00027	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	-4.09	-0.00158	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-4.96	-0.00191	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-0.35	-0.00013	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-1.95	-0.00075	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-7.54	-0.00288	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	-8.95	-0.00342	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	-9.12	-0.00349	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-7.77	-0.00297	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-7.07	-0.00274	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-2.61	-0.00101	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-1.27	-0.00049	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	0.87	0.00034	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	-3.69	-0.00143	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-1.67	-0.00065	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	-2.11	-0.00081	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	-1.23	-0.00047	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	-0.24	-0.00009	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	-3.02	-0.00116	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	-6.58	-0.00254	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	-2.76	-0.00106	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	1.91	0.00073	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-1.90	-0.00073	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-0.46	-0.00018	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	-6.49	-0.00248	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-7.78	-0.00298	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-7.46	-0.00286	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-3.45	-0.00134	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-4.00	-0.00155	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_BPSK	-3.94	-0.00153	-2.5	2.5	PASS

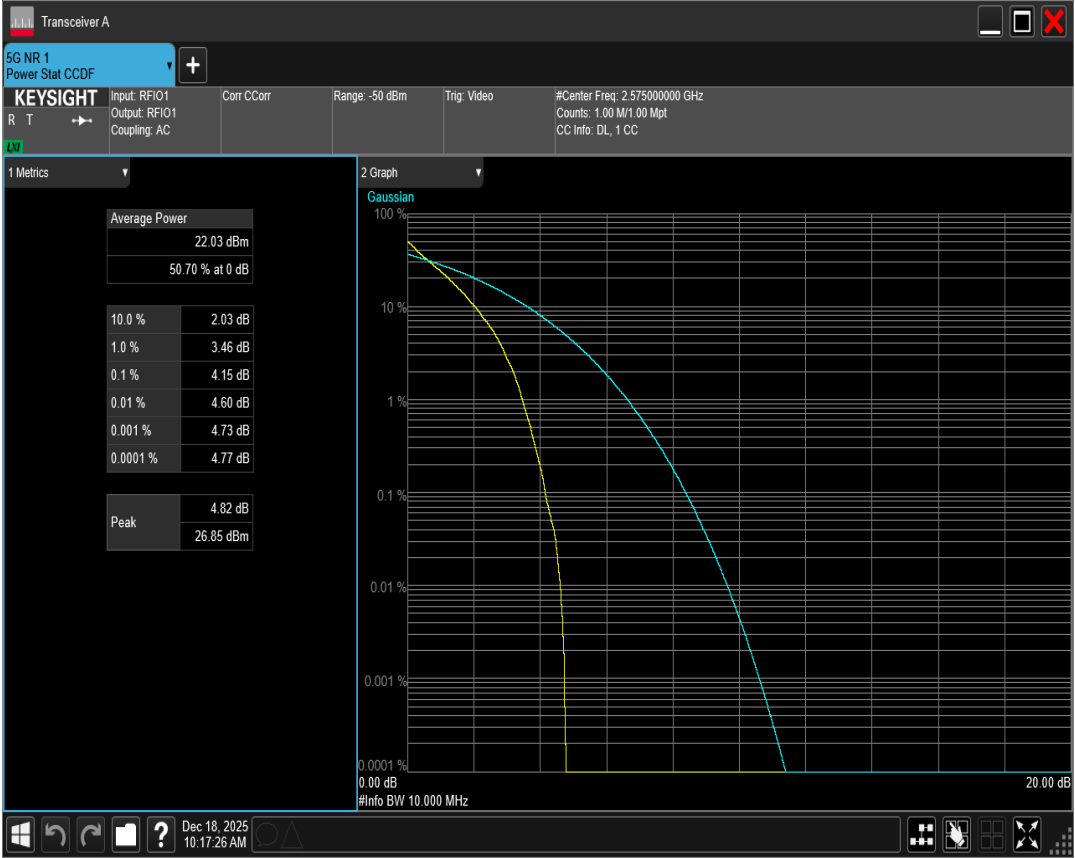
n38	30	20	516000	25@12	DFT_QPSK	-6.15	-0.00238	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	-6.15	-0.00238	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_QPSK	-6.66	-0.00258	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_BPSK	1.26	0.00049	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	1.26	0.00049	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	0.64	0.00025	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	-2.63	-0.00101	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	-3.61	-0.00139	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-1.48	-0.00057	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	-1.22	-0.00047	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	1.44	0.00055	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	1.58	0.00061	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	2.95	0.00113	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	3.48	0.00133	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	0.06	0.00002	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

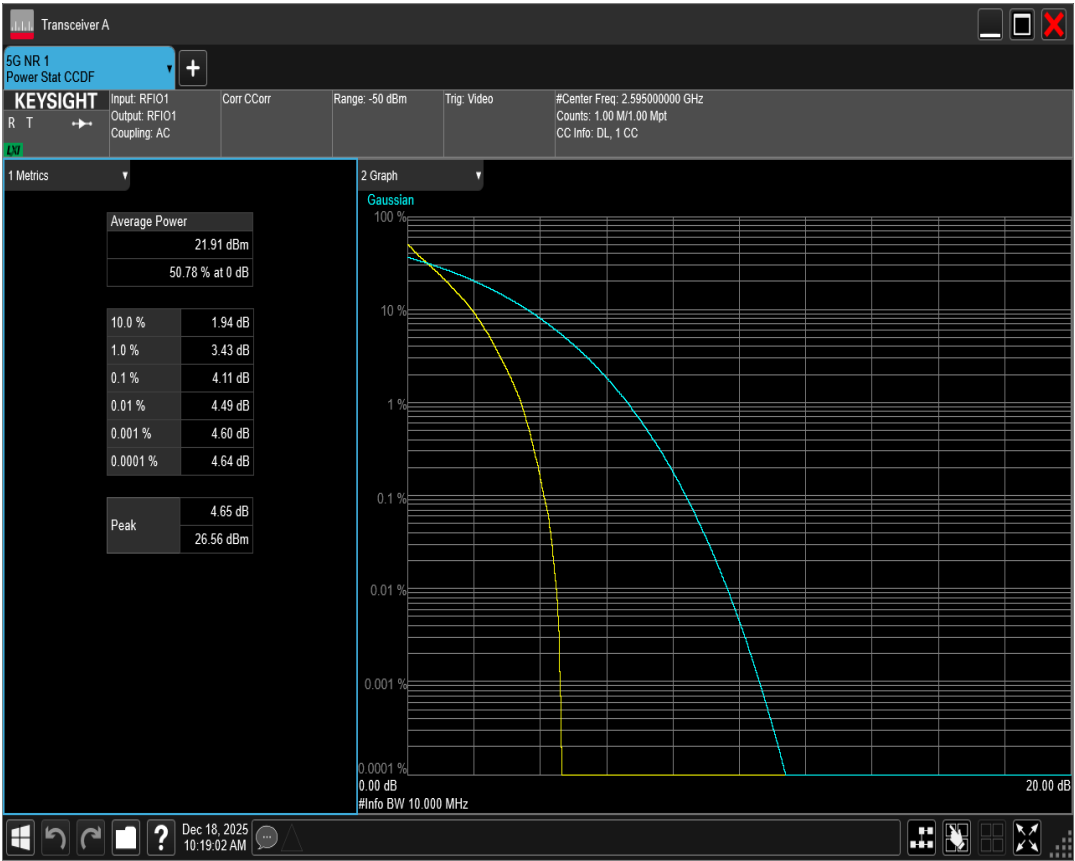
<i>Band</i>	<i>SCS (kHz)</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Allocation</i>	<i>Modulation</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
n38	30	10	515000	24@0	DFT_BPSK	4.15	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	5.48	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	5.91	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	6.56	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	7.02	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	4.11	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.26	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	6.10	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.61	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	6.73	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.58	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.72	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	6.31	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.40	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	6.66	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.30	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	5.32	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	6.24	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	6.34	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	6.67	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.09	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.51	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.01	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	6.12	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	6.92	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.20	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	5.36	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	5.99	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	6.13	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	6.62	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	4.02	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	5.33	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	5.97	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	6.36	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	6.57	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	4.14	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.43	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	6.06	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.21	13	PASS

n38	30	20	519000	50@0	DFT_QAM256	6.59	13	PASS
n38	30	20	522000	50@0	DFT_BPSK	4.72	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.75	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	5.81	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	6.33	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	6.77	13	PASS

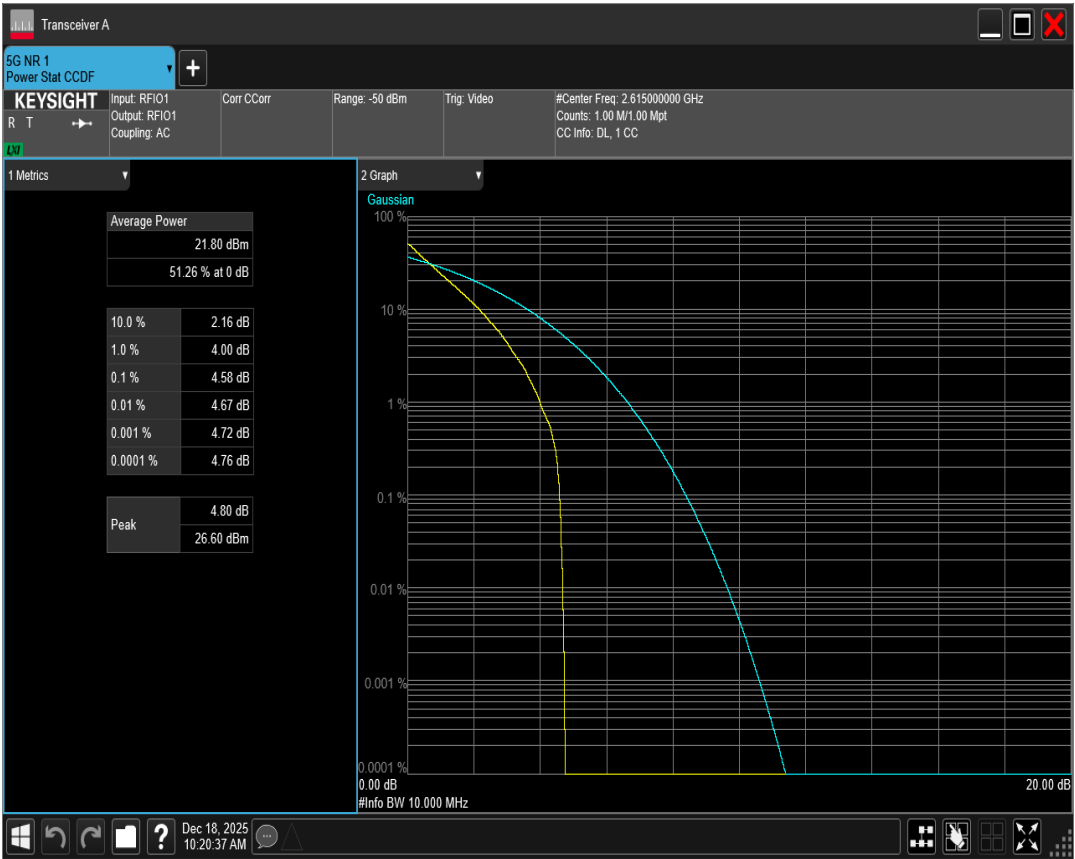
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=515000 RB=24@0



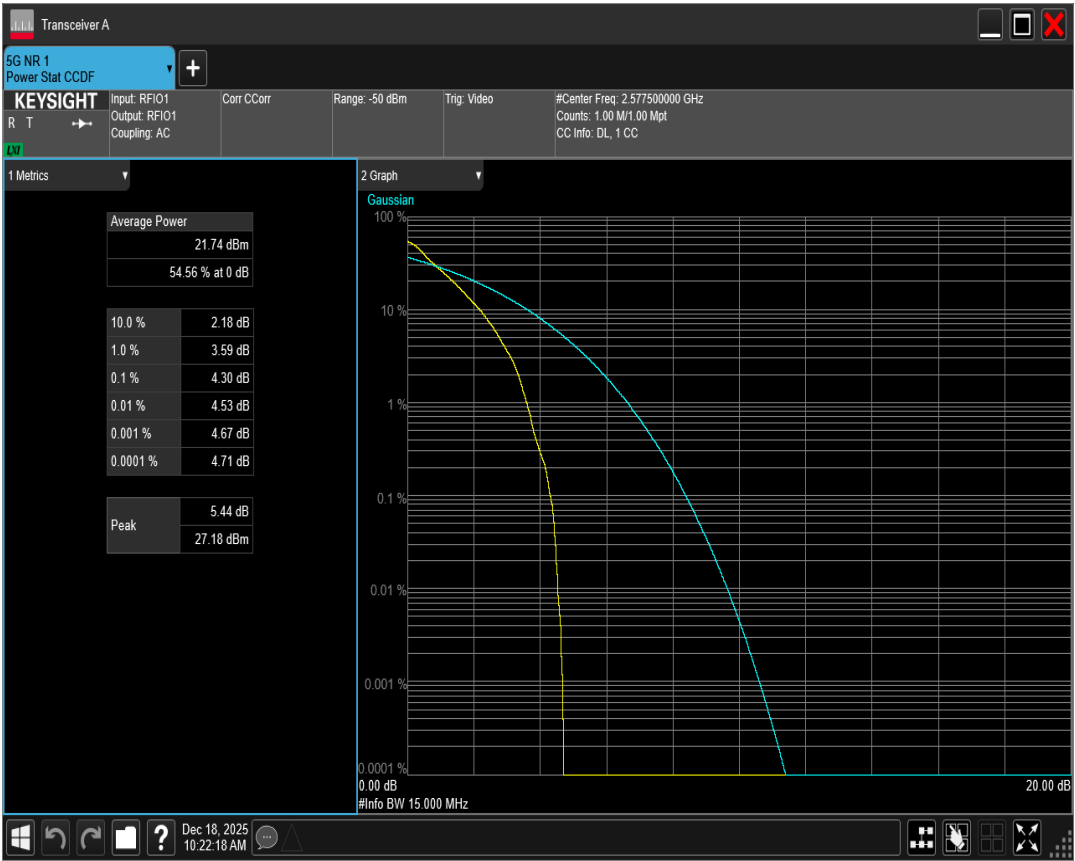
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=519000 RB=24@0



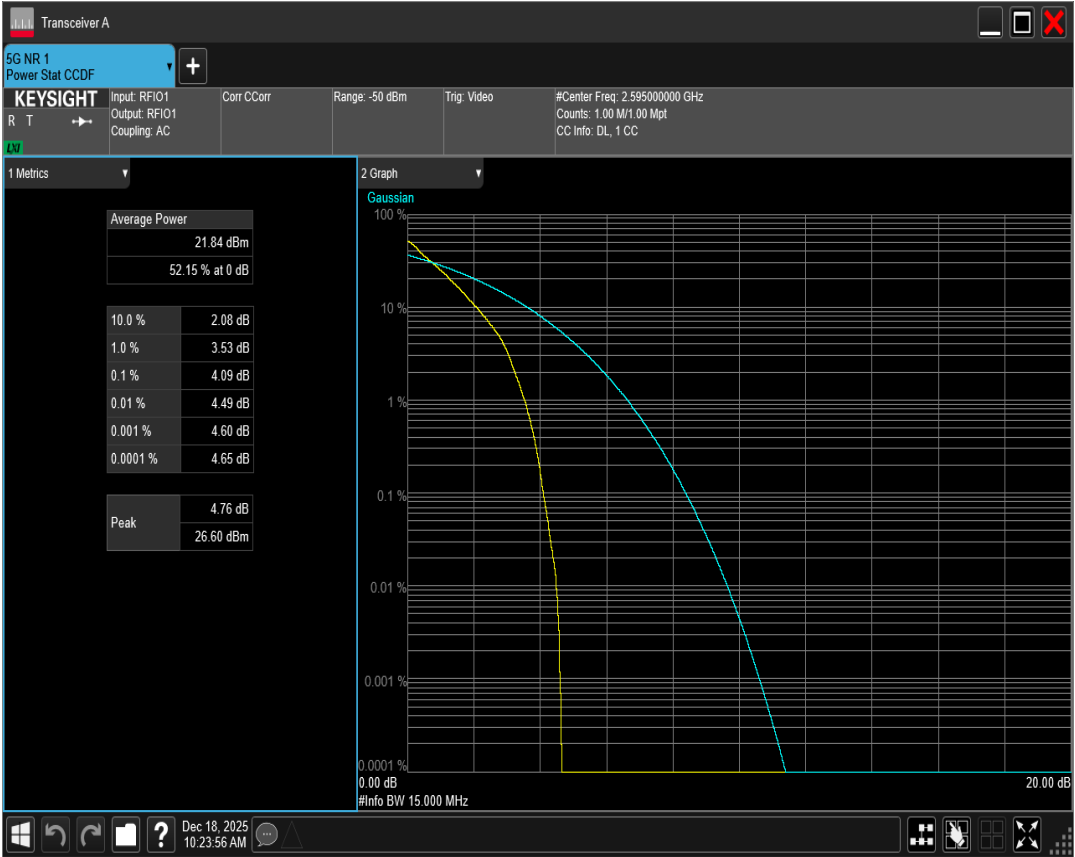
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=523000 RB=24@0



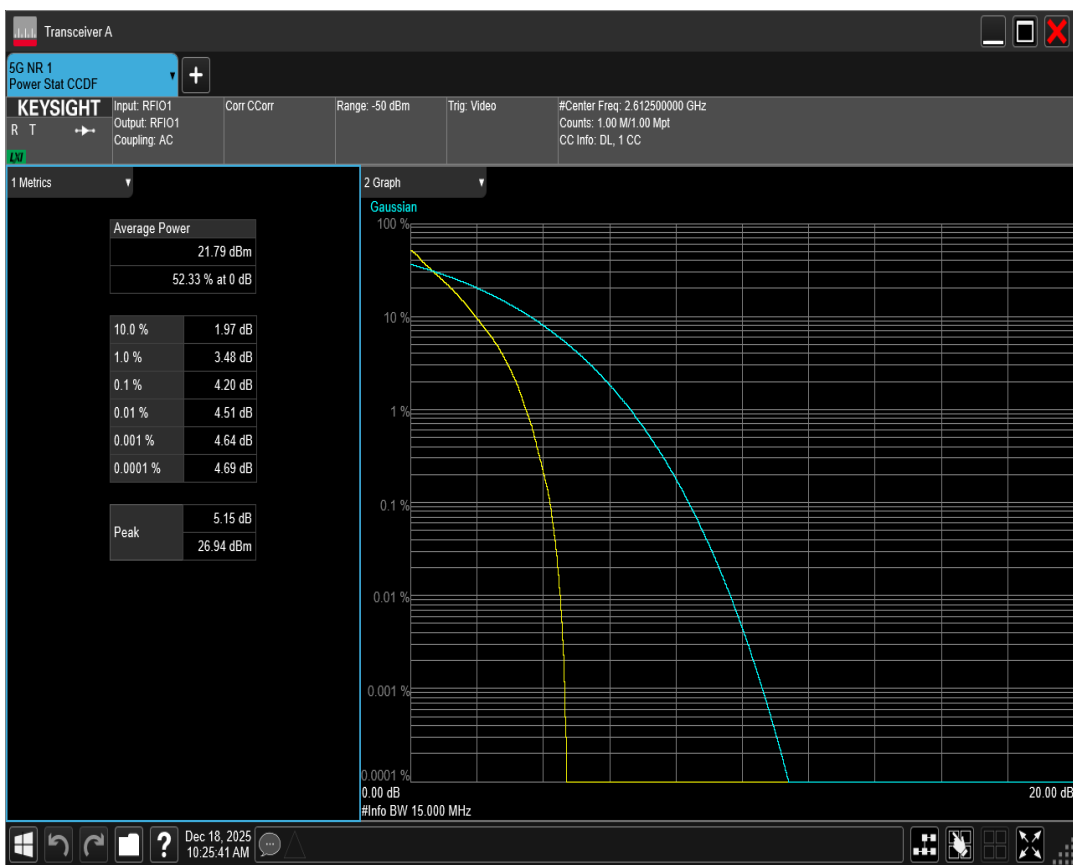
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=515500 RB=36@0



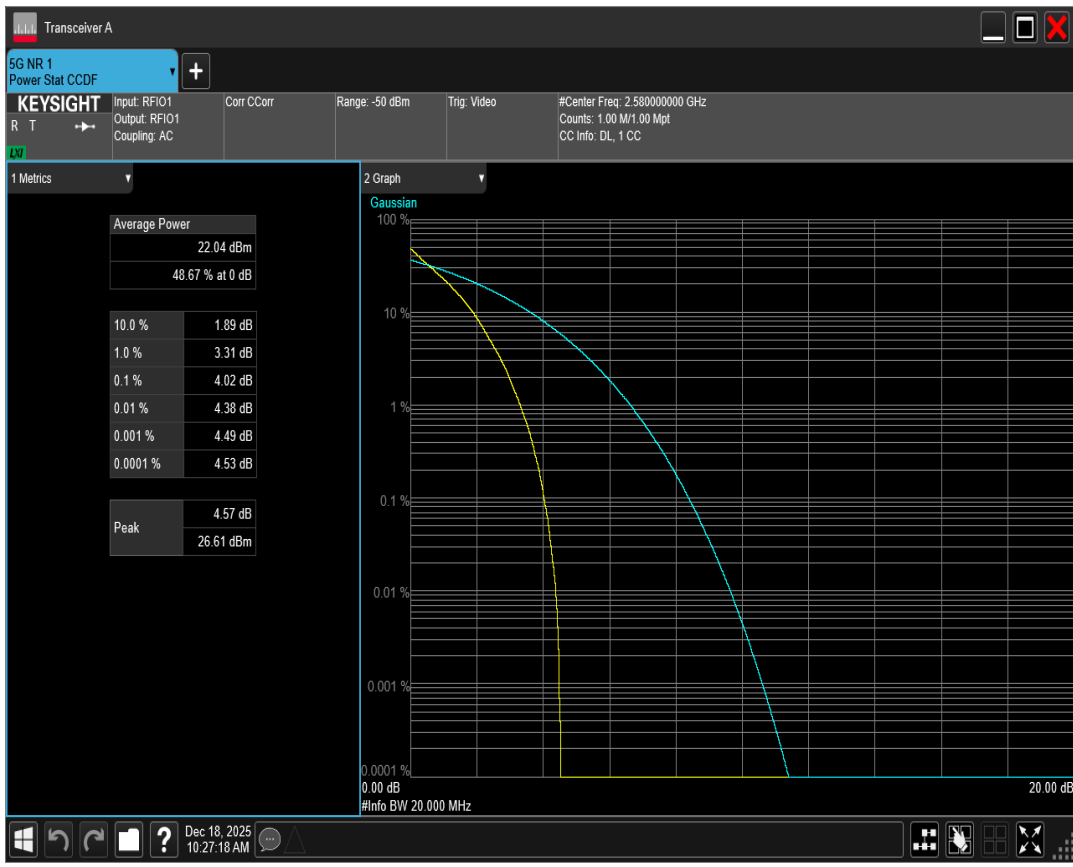
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0



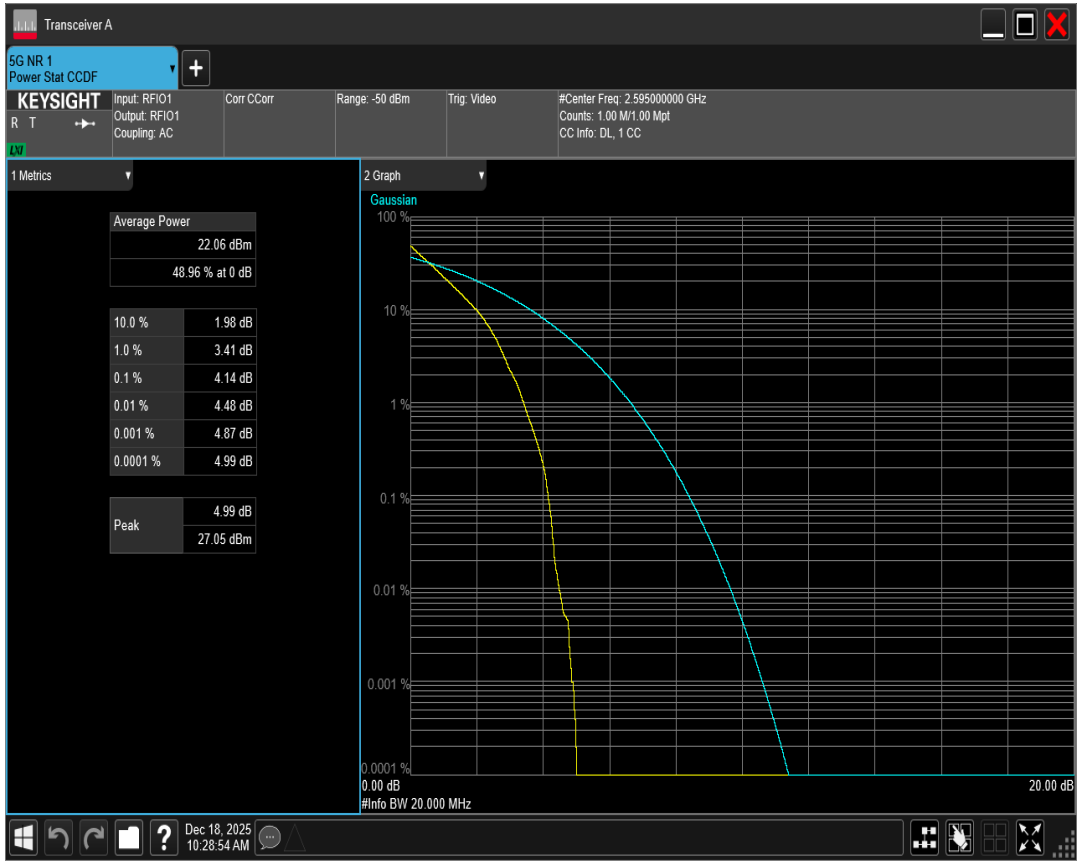
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=522500 RB=36@0



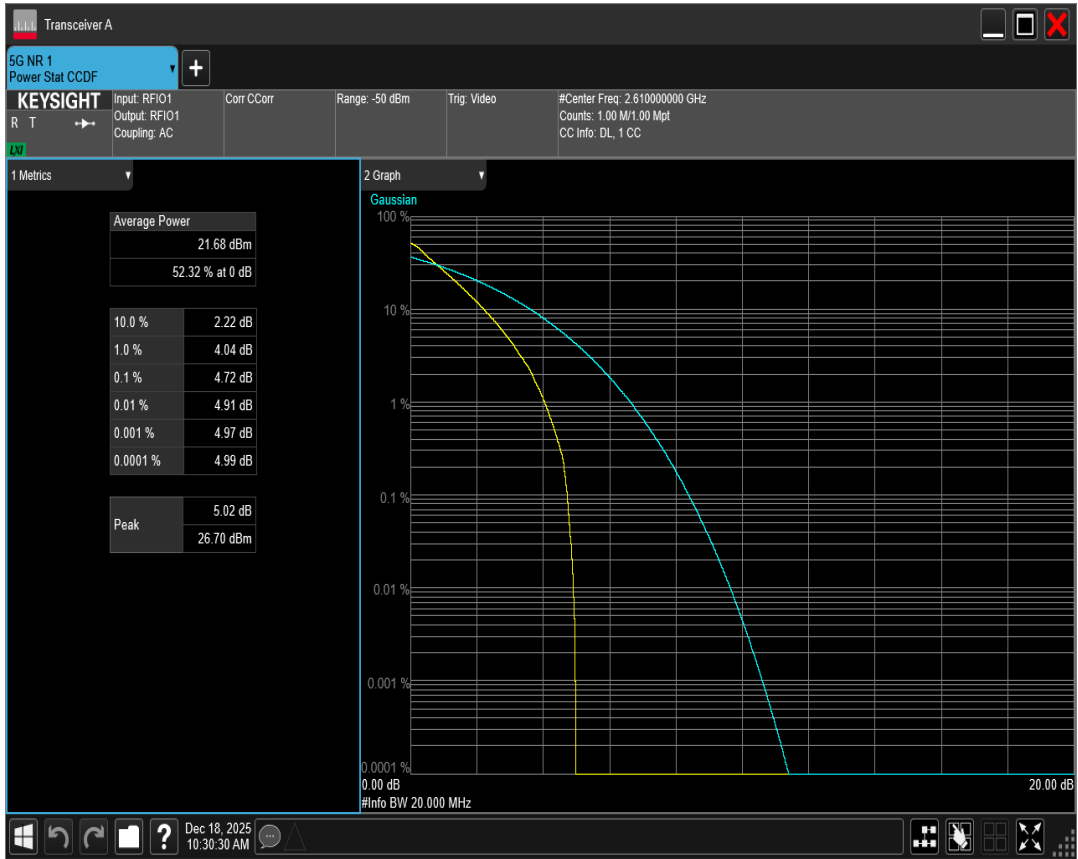
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



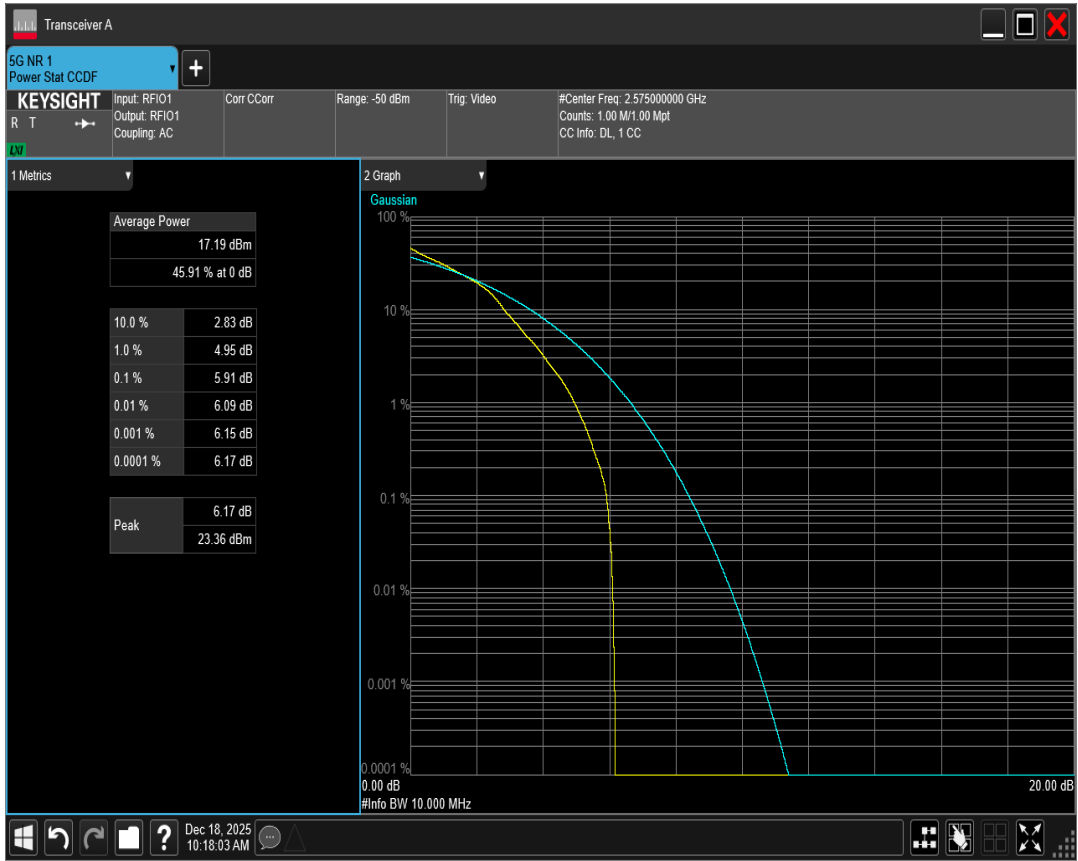
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



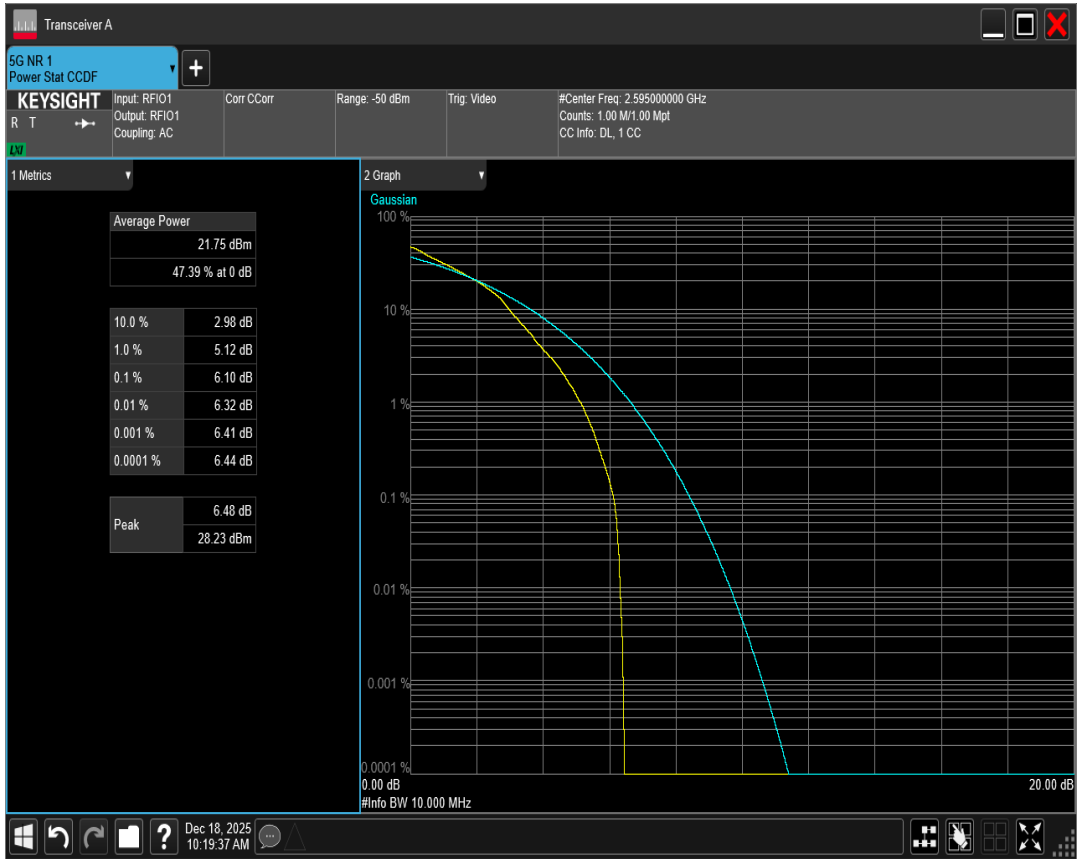
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=522000 RB=50@0



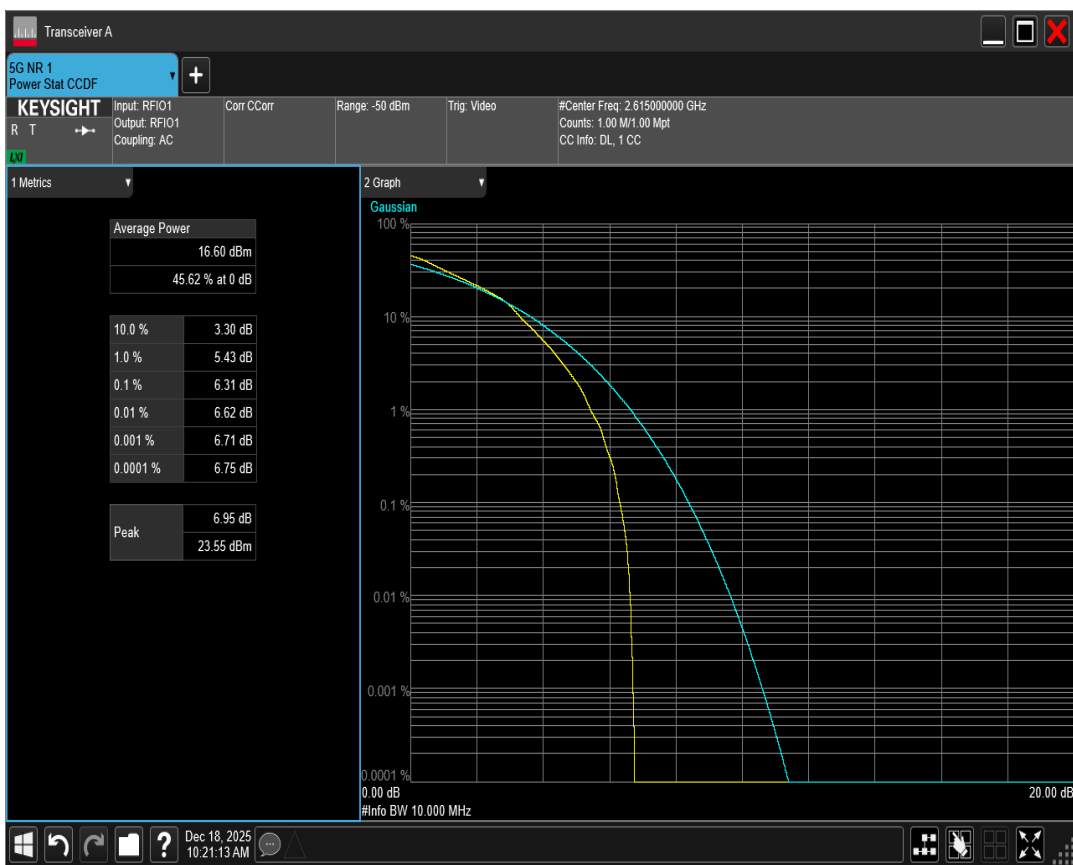
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



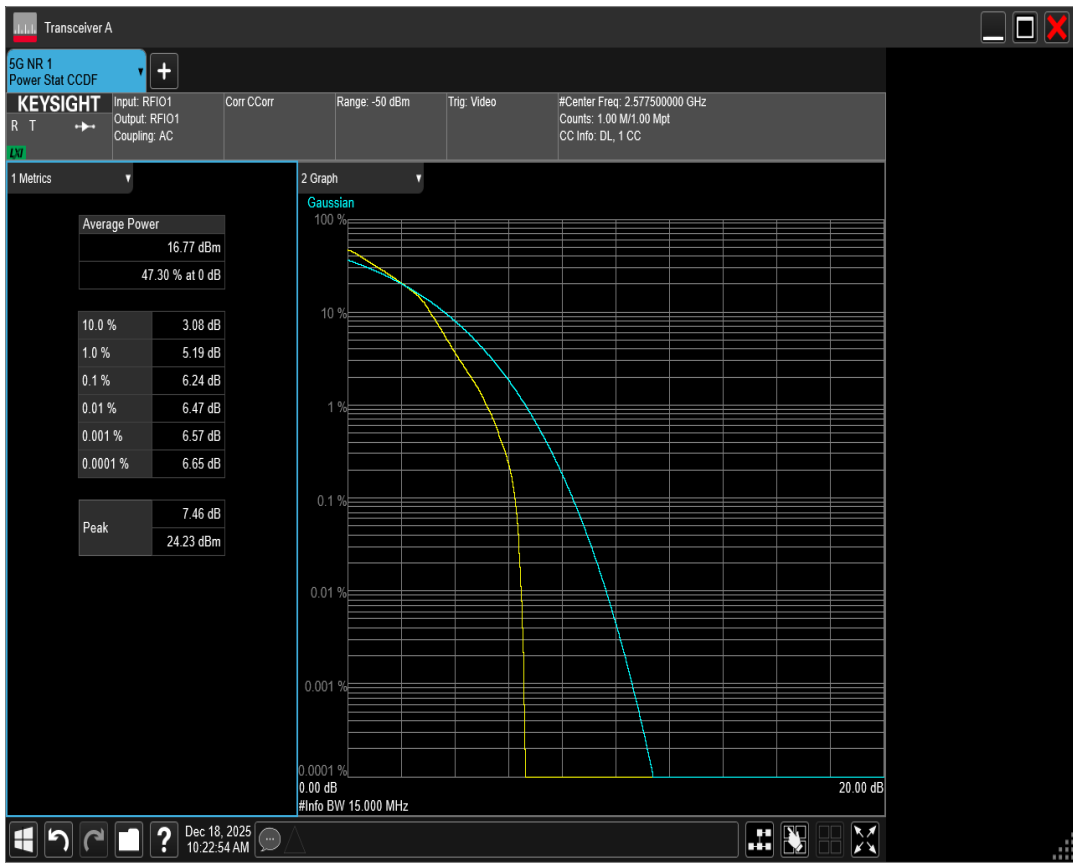
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



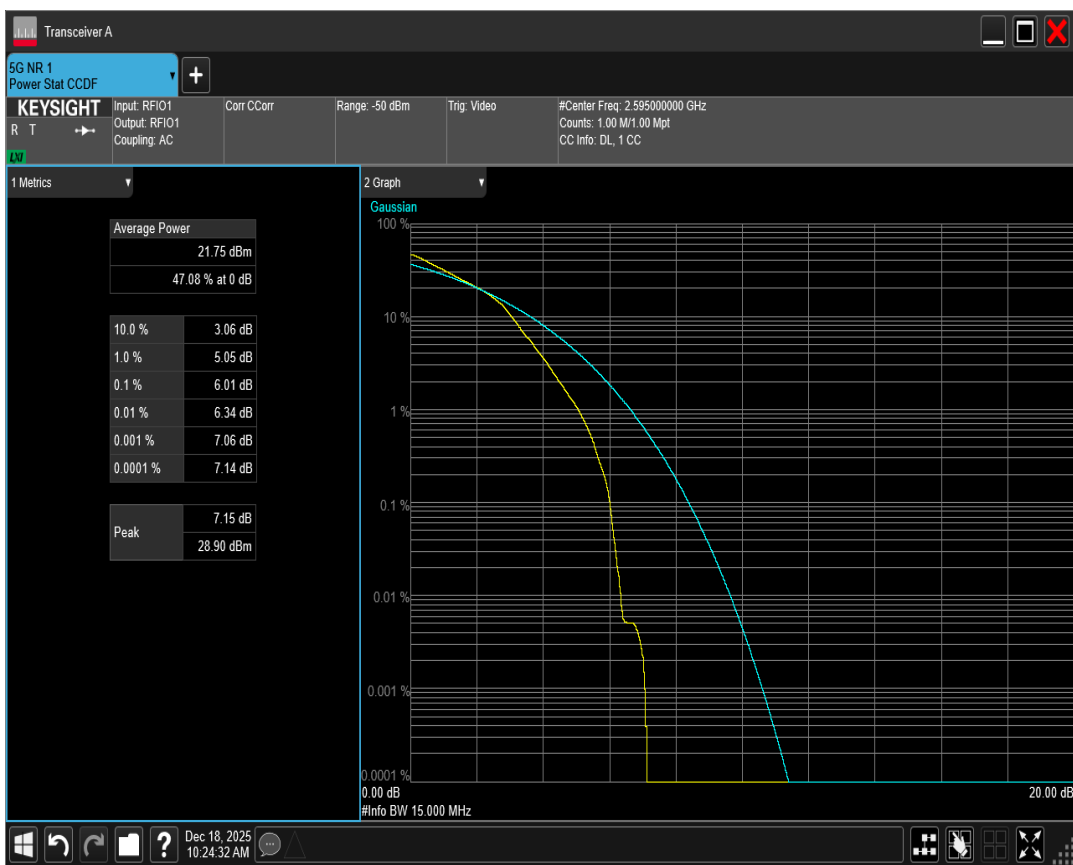
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



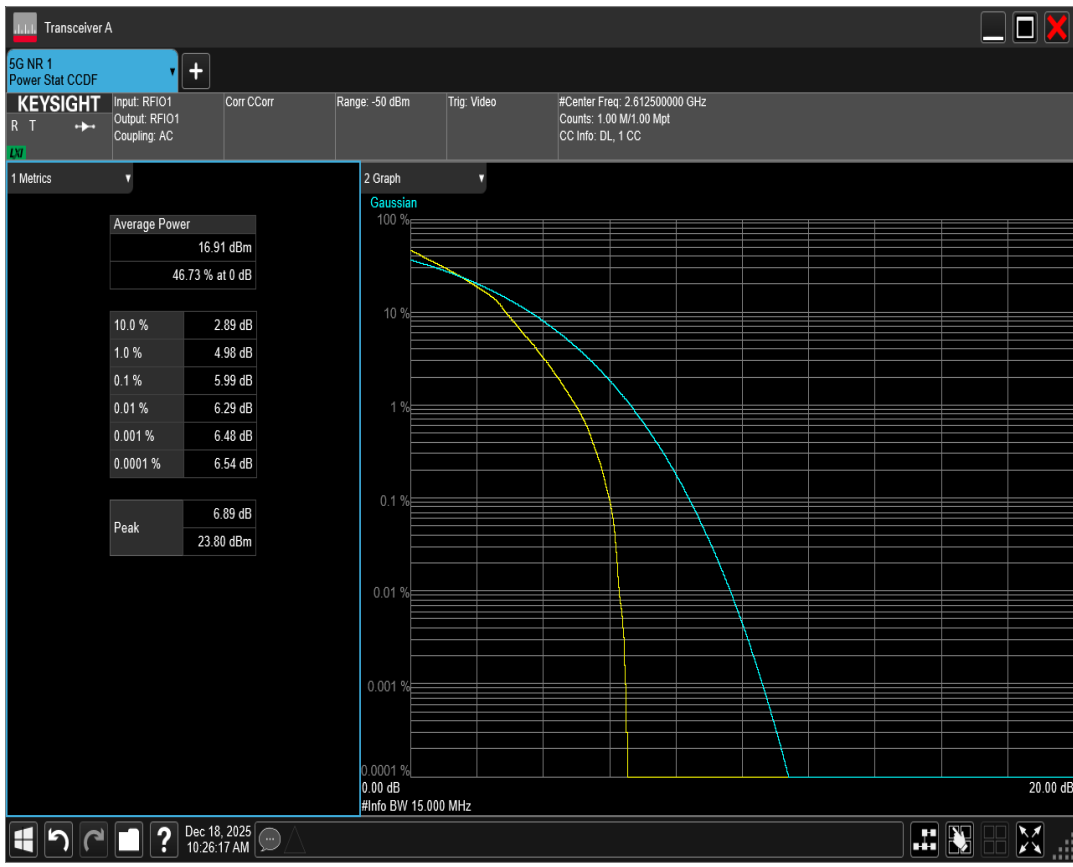
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=515500 RB=36@0



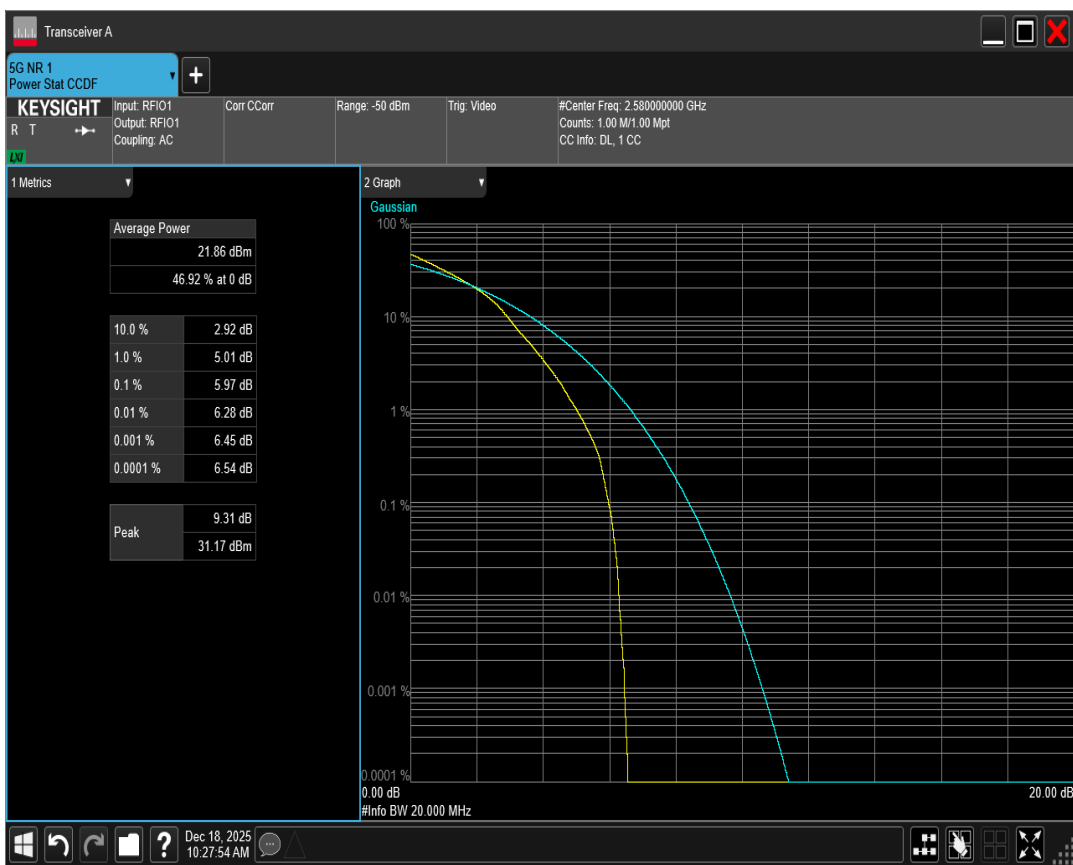
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



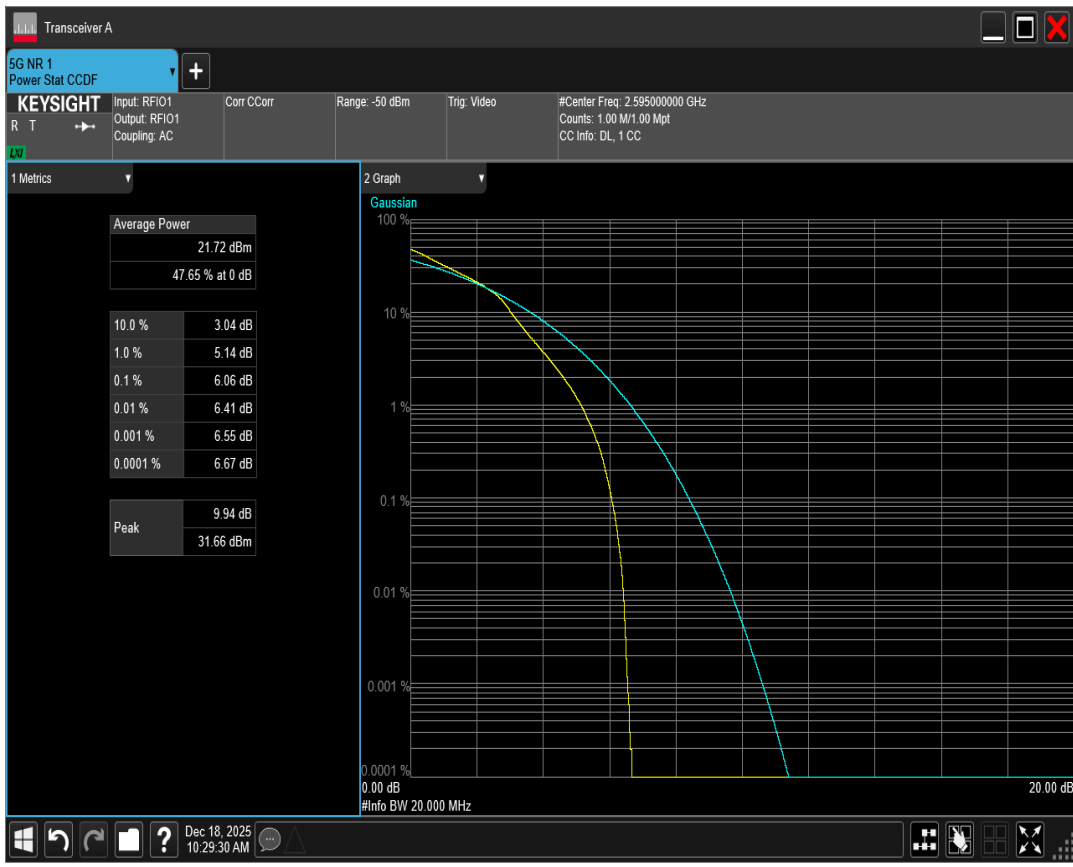
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



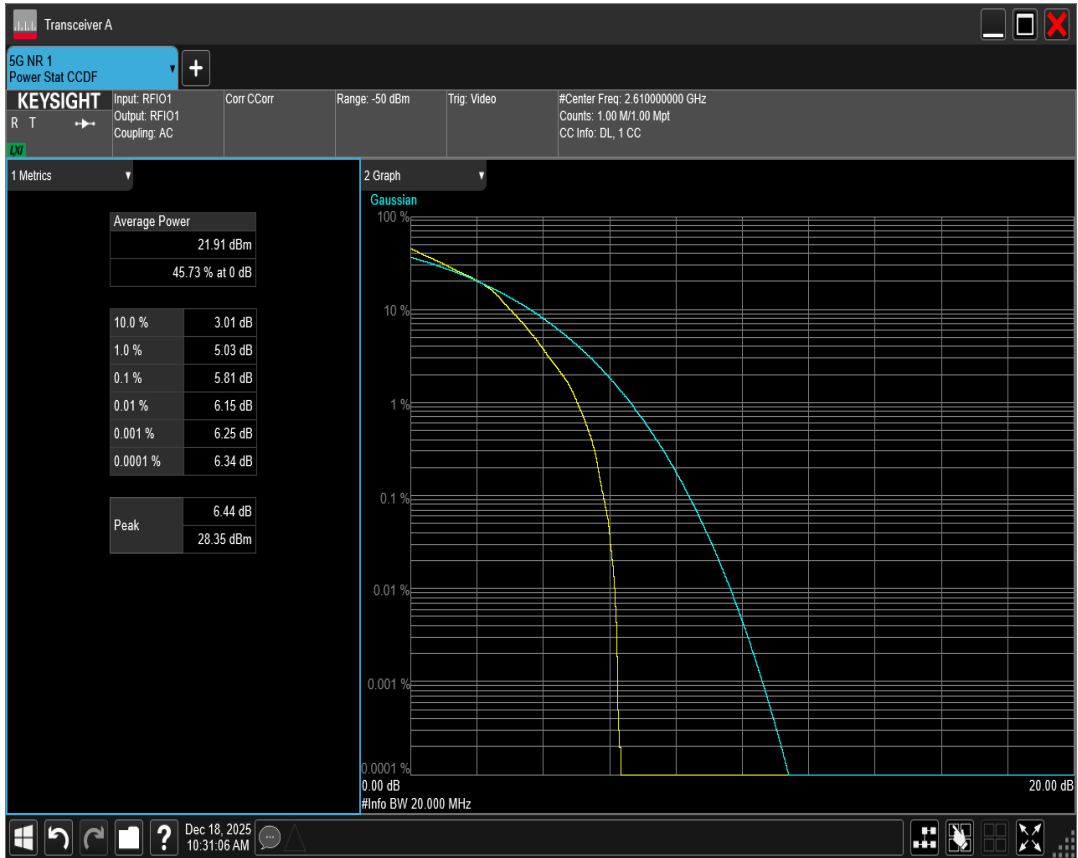
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



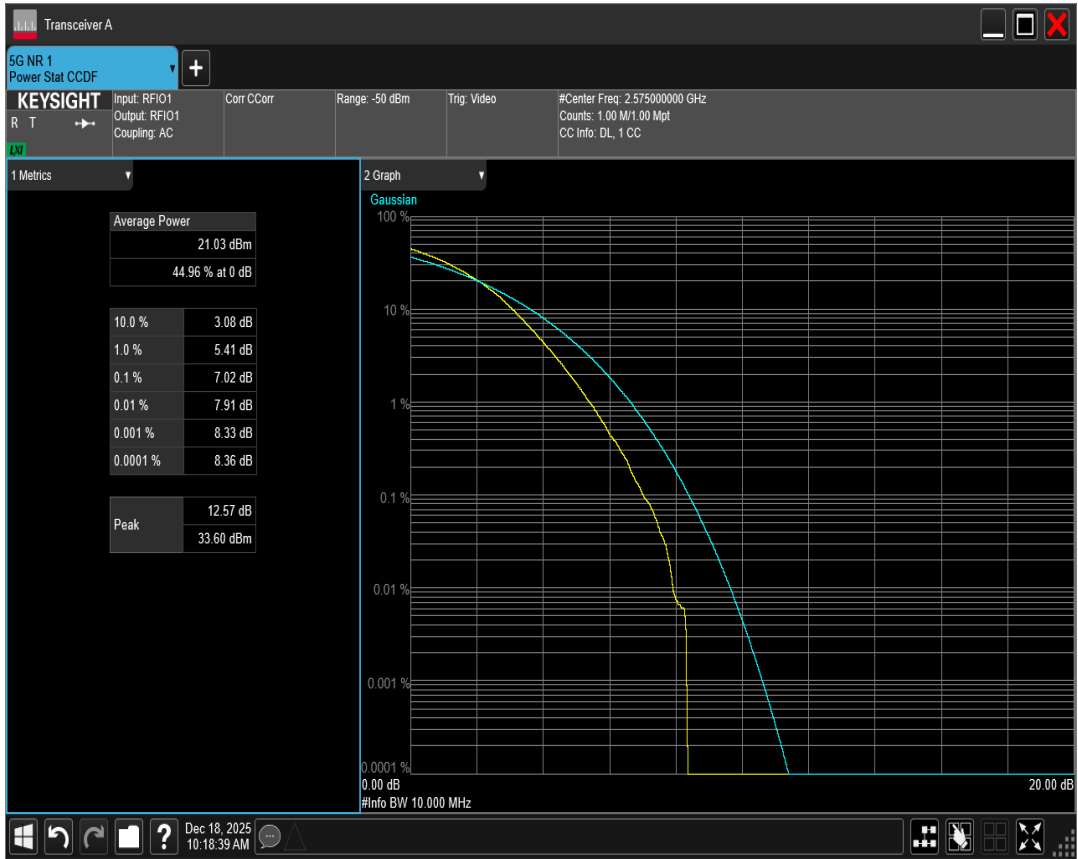
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



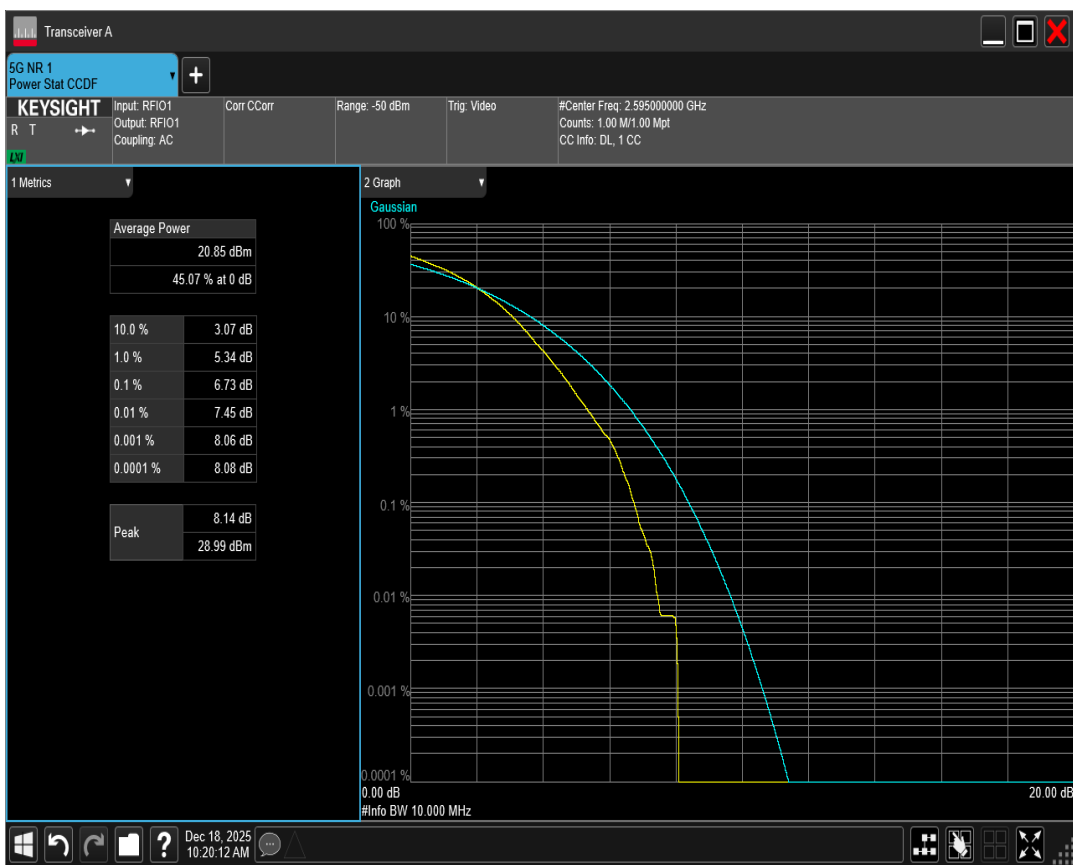
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=522000 RB=50@0



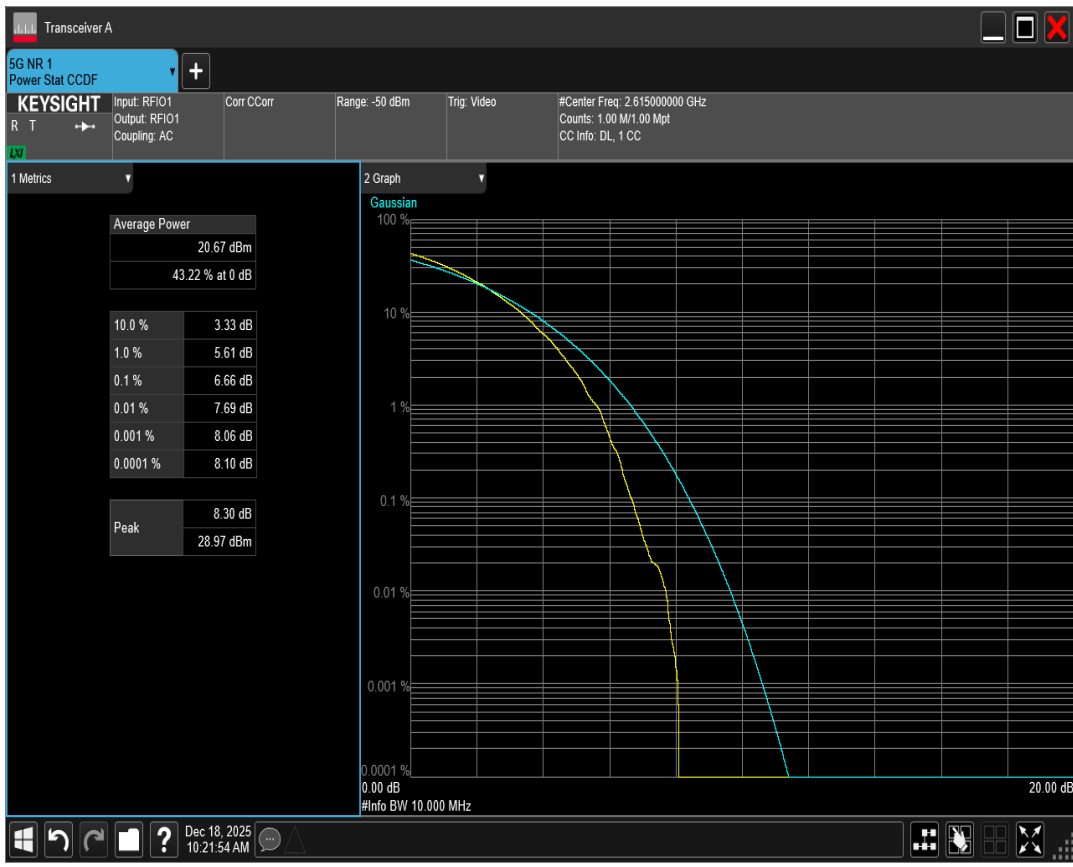
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



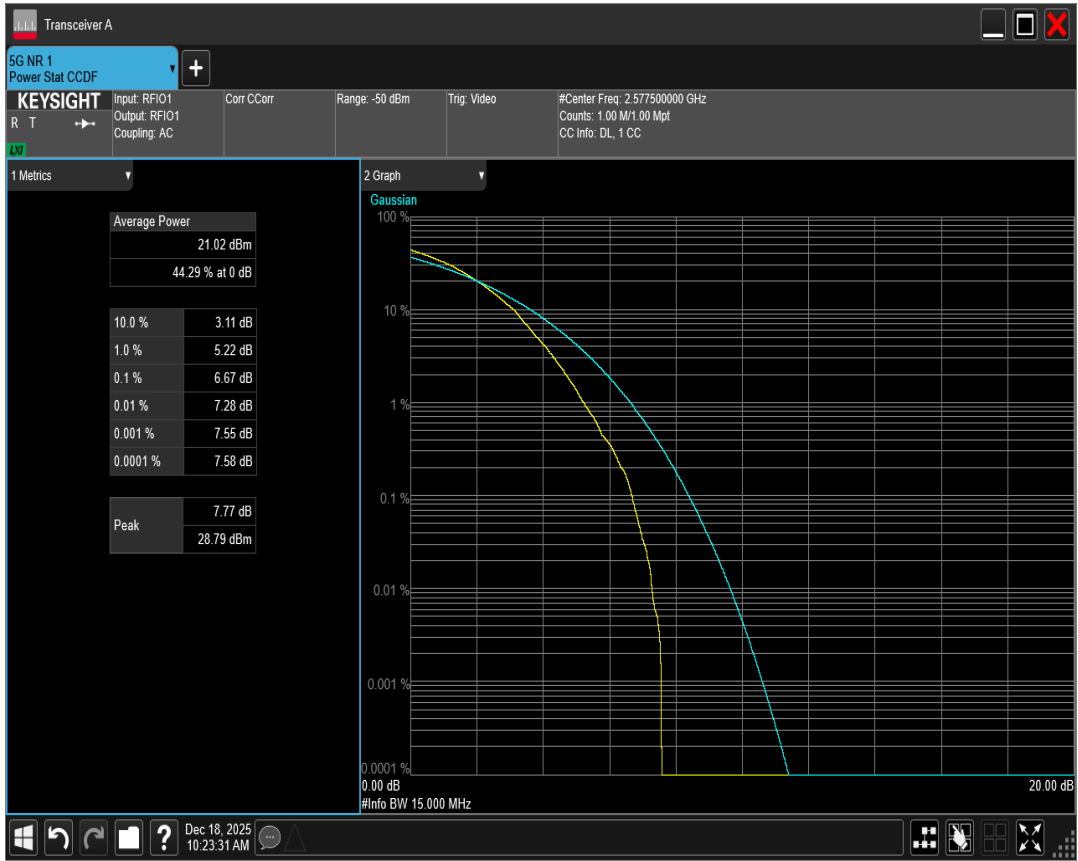
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



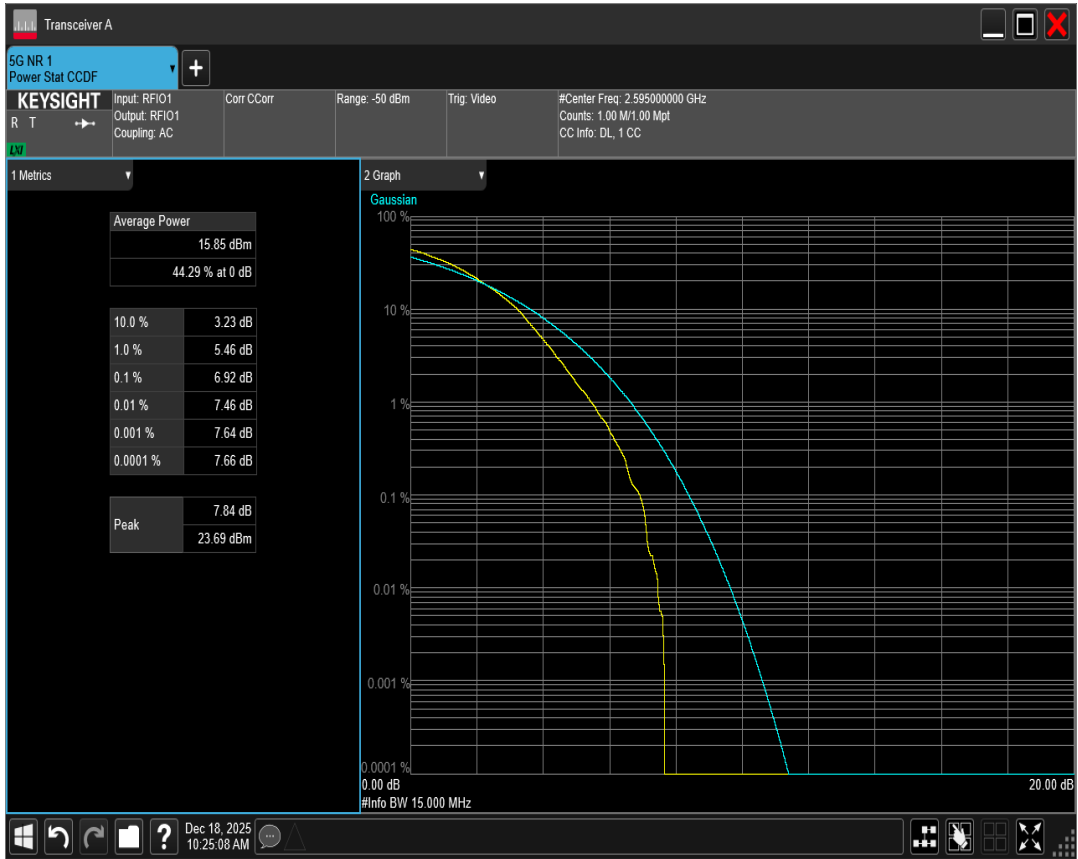
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



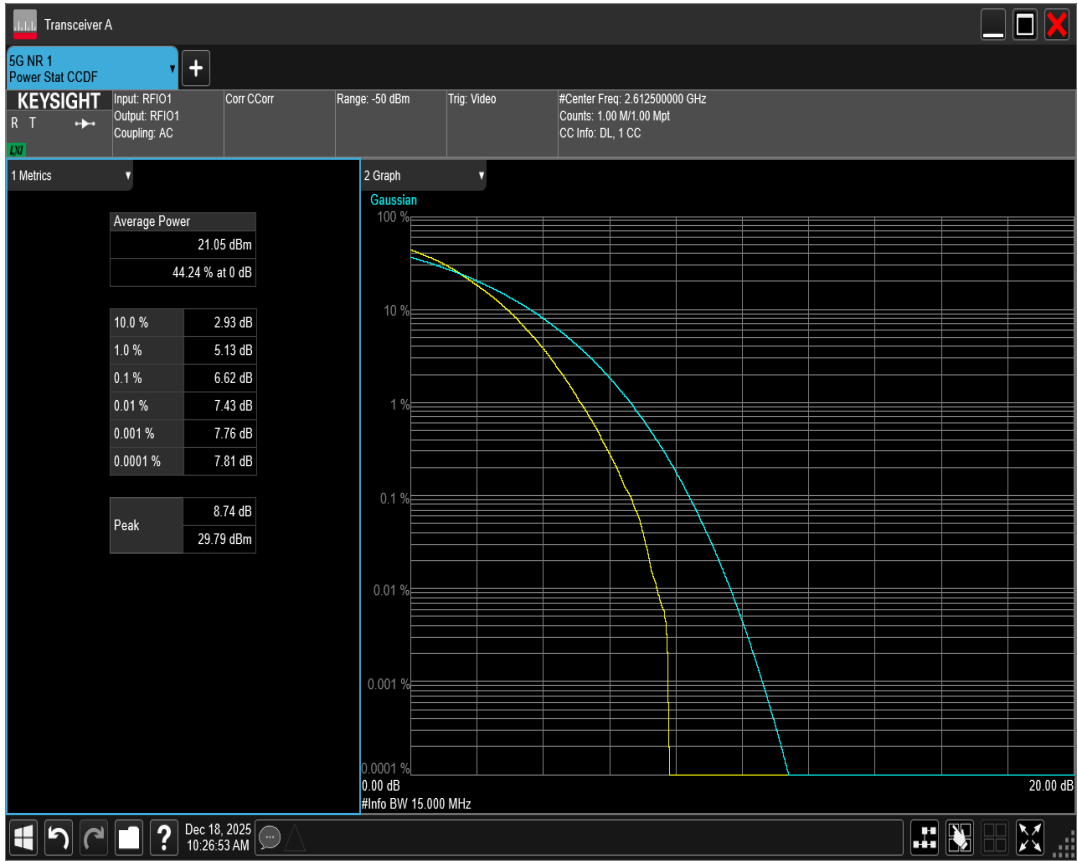
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



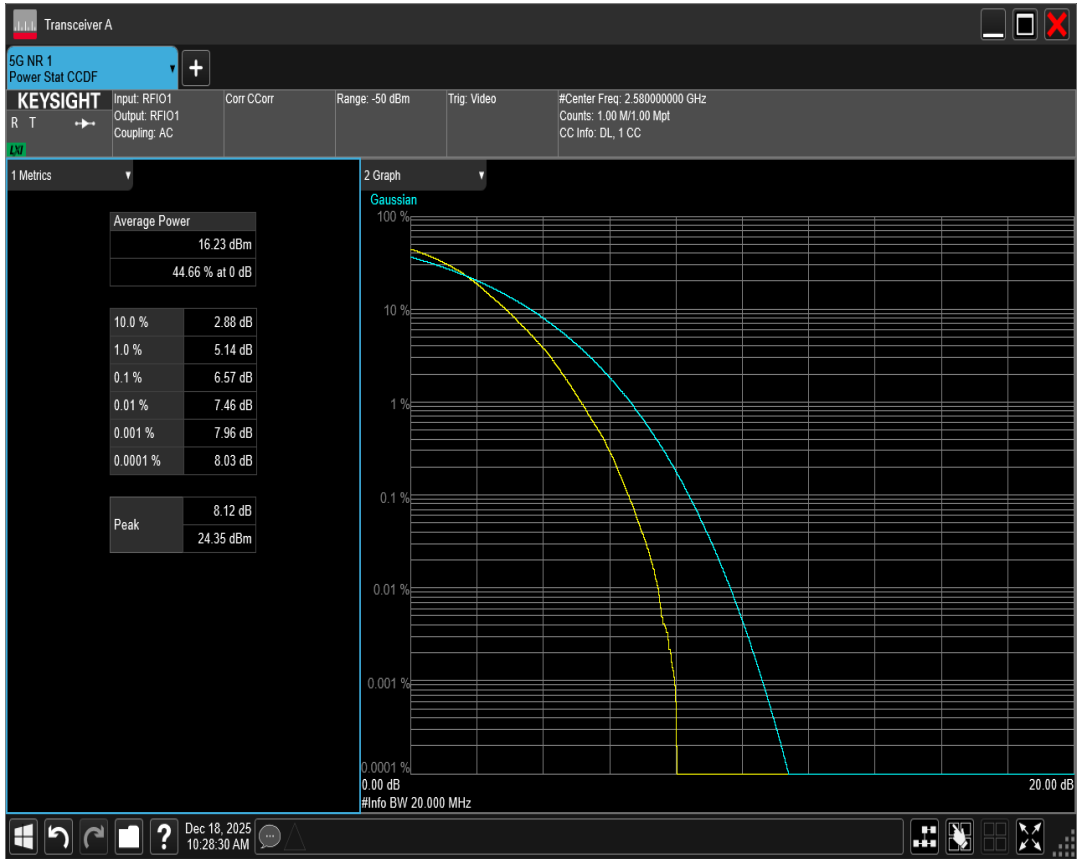
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



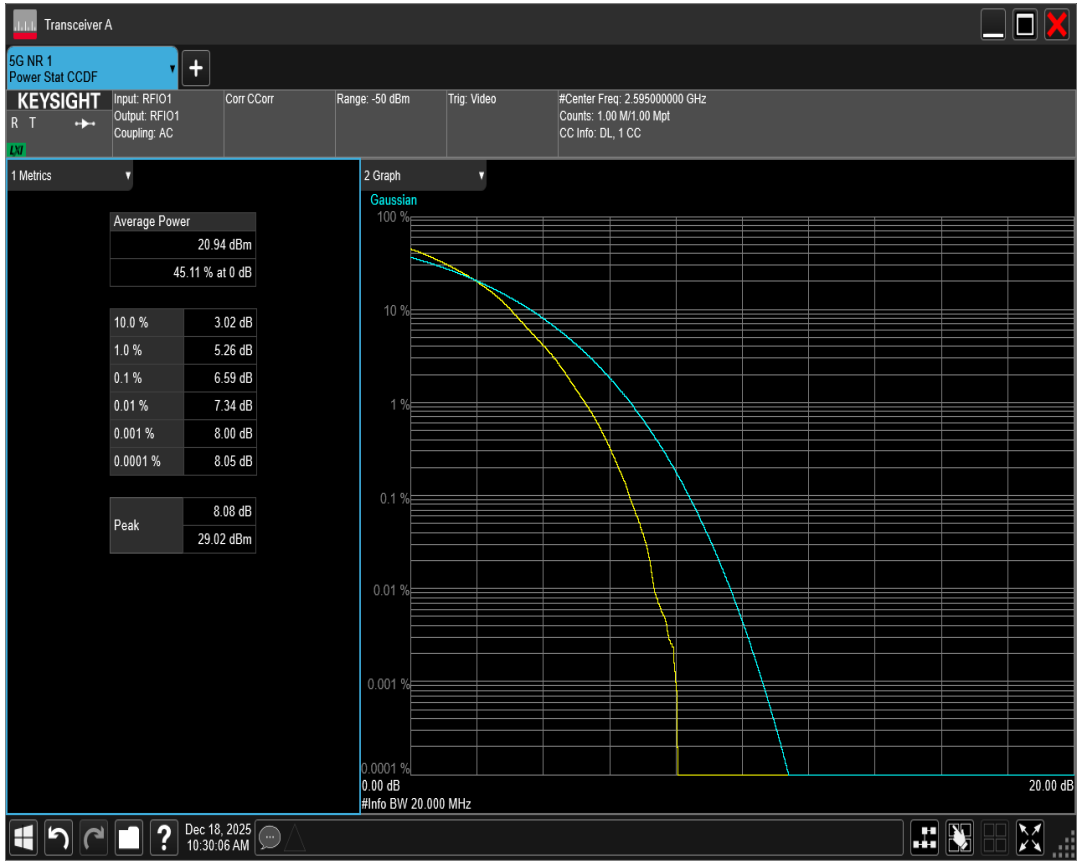
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=522500 RB=36@0



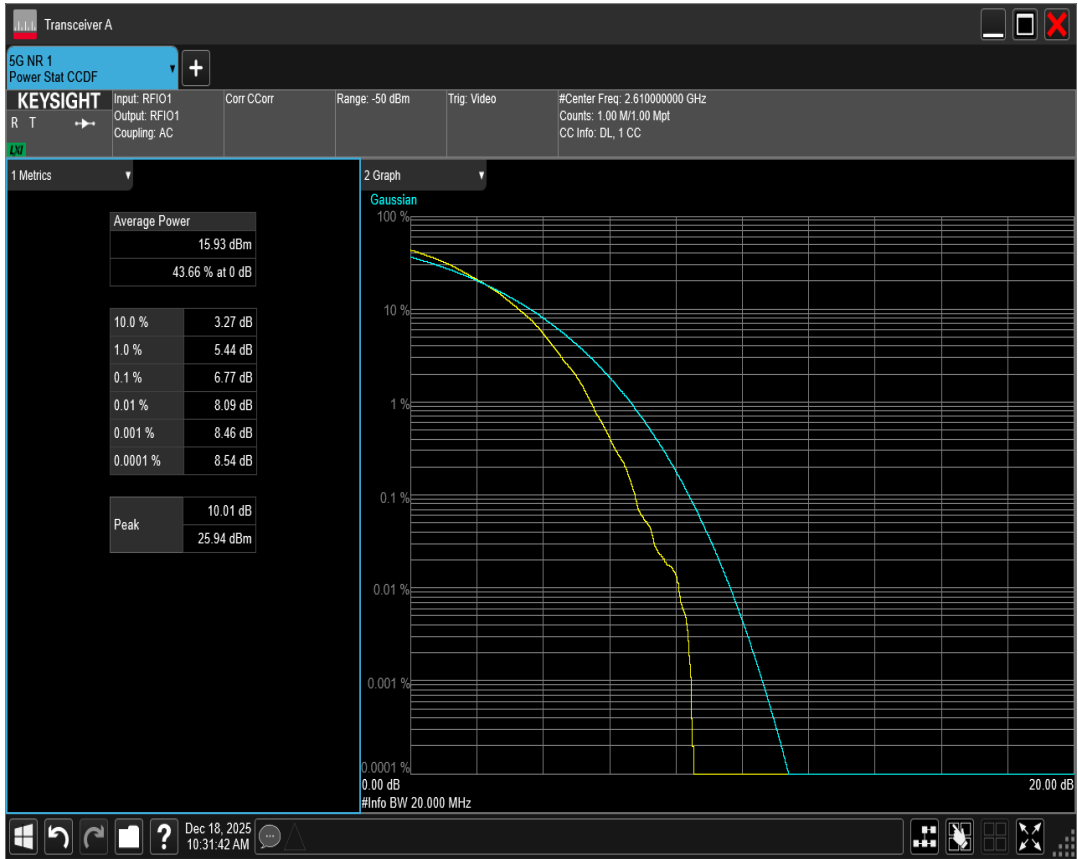
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



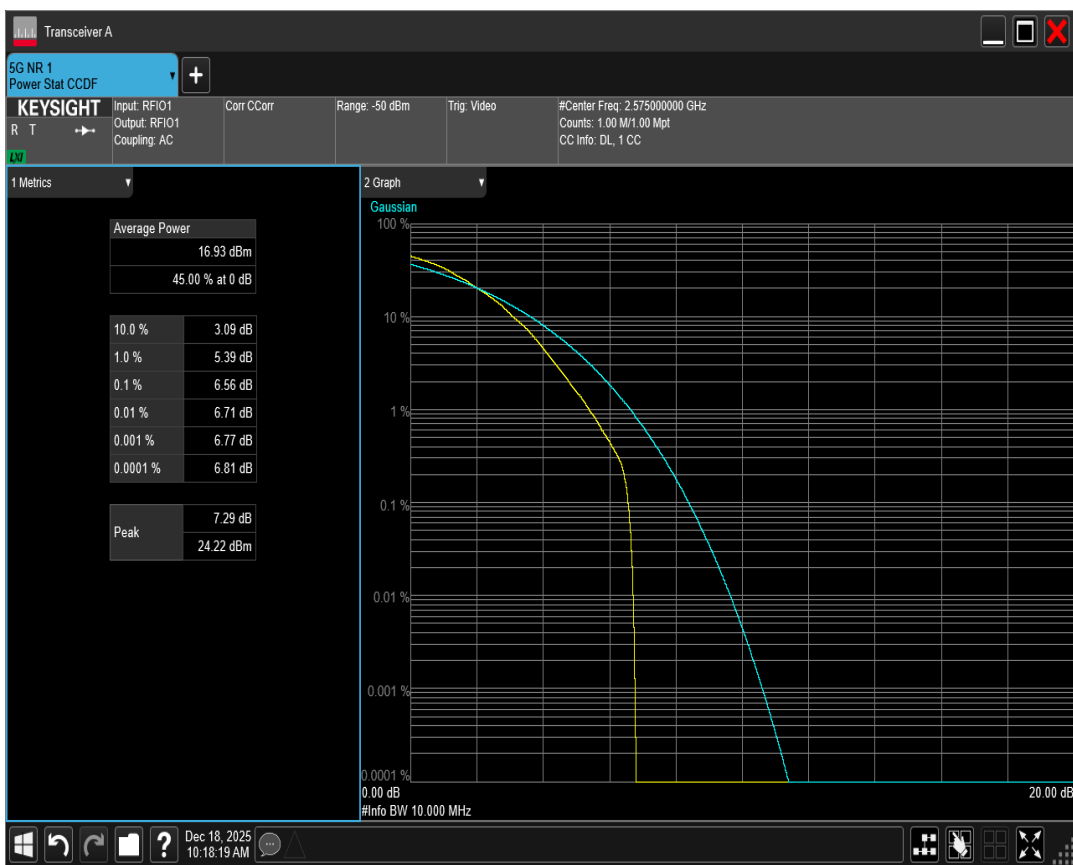
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



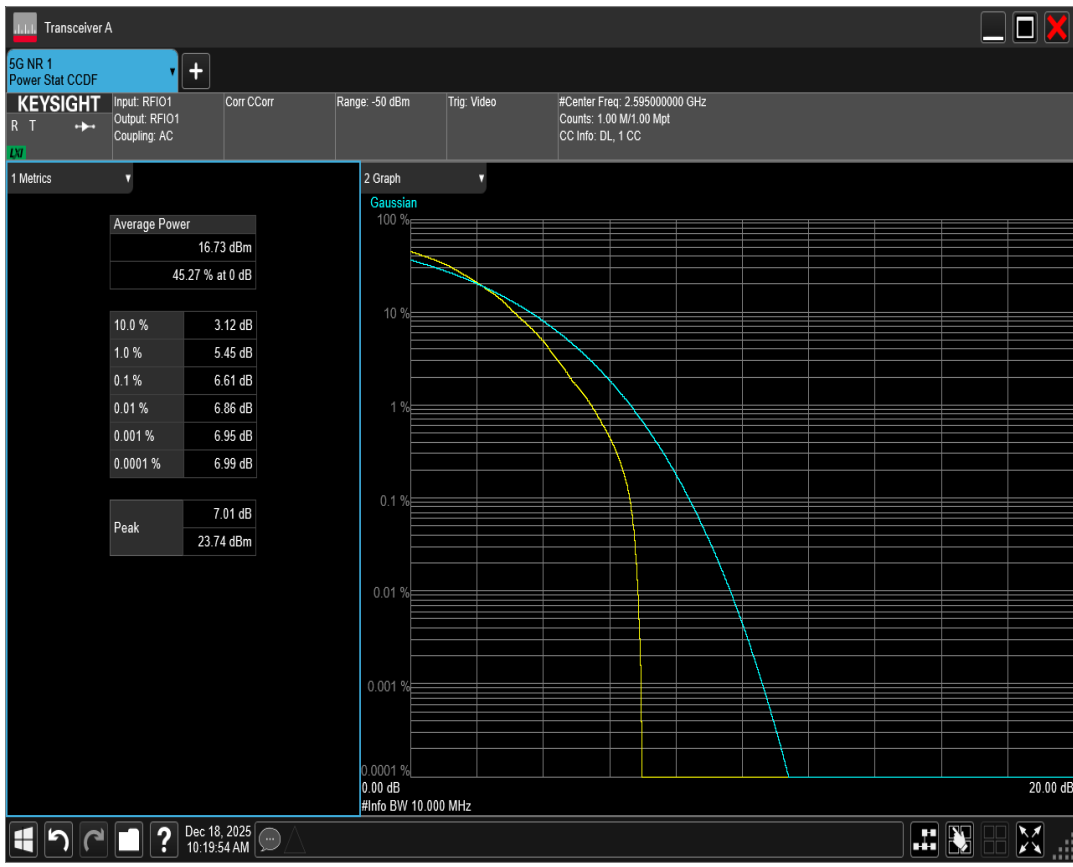
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



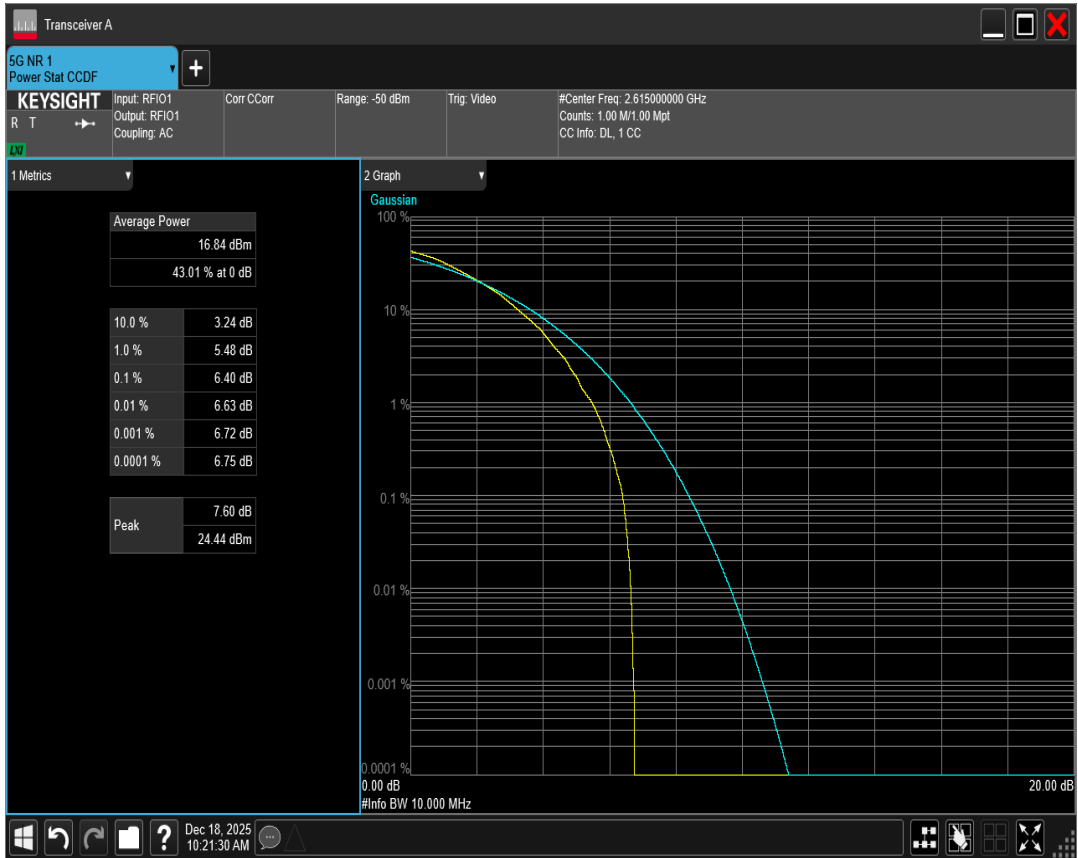
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



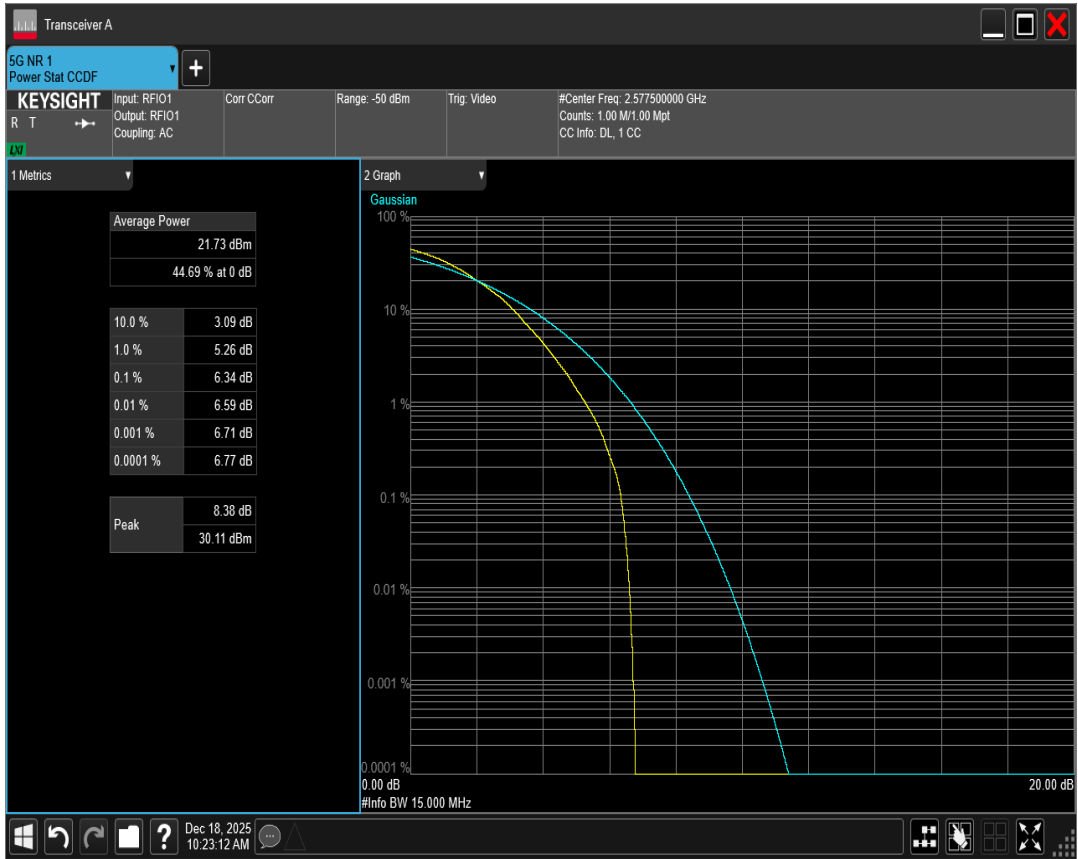
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



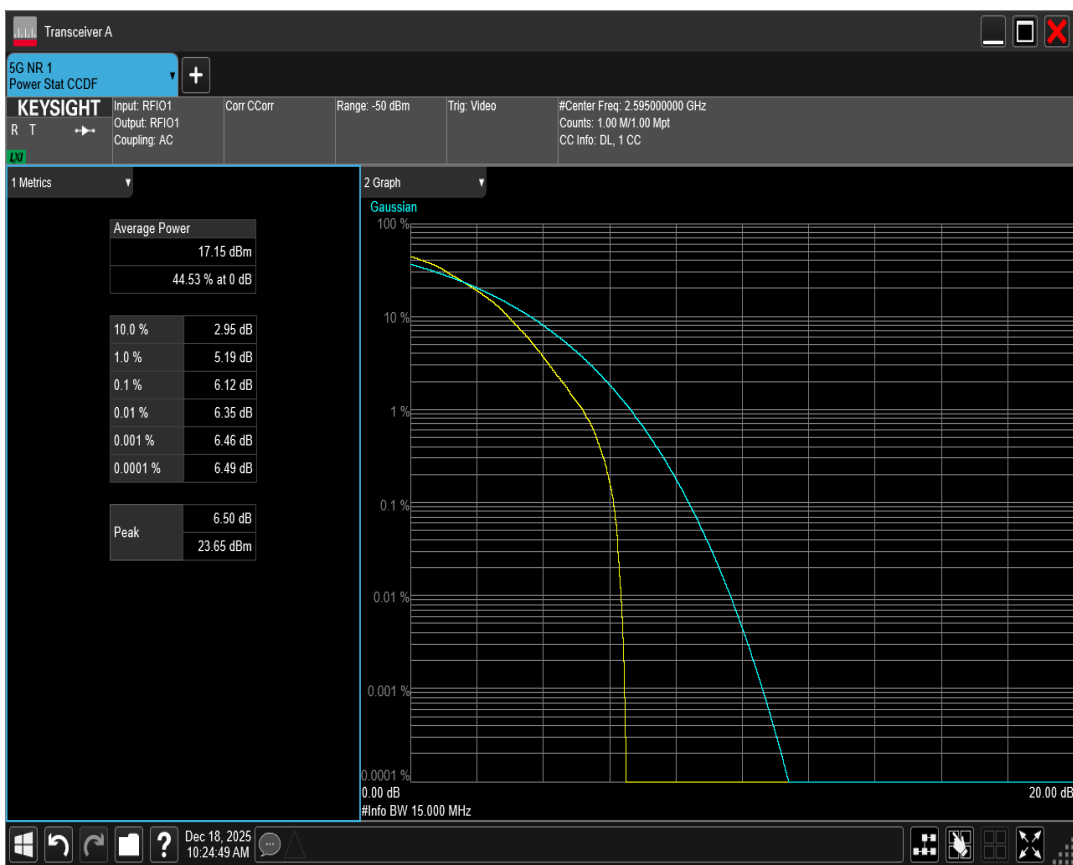
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



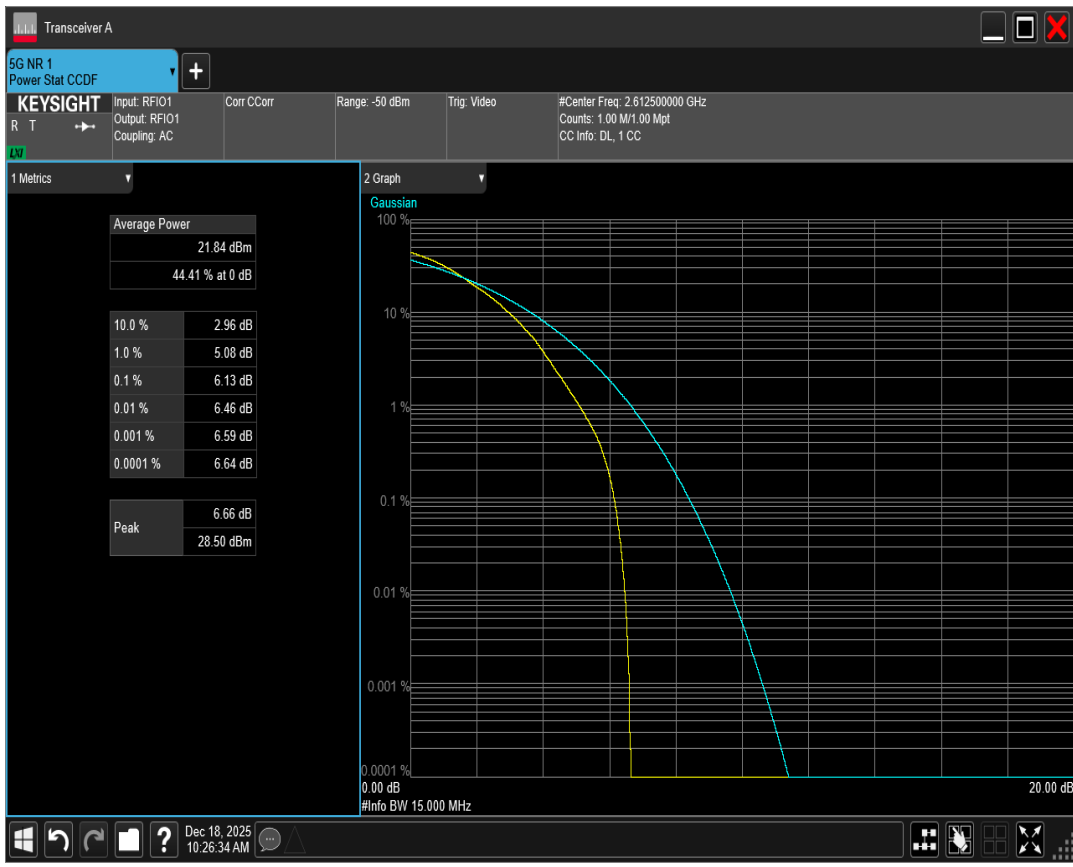
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



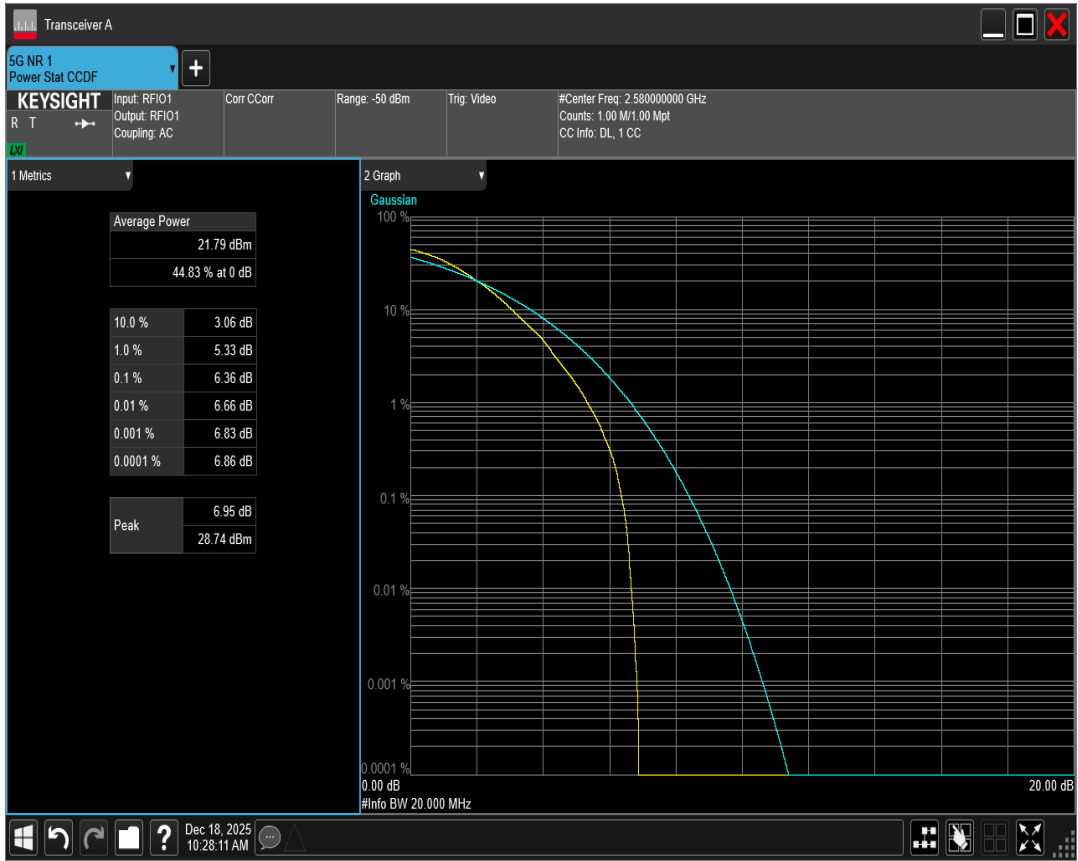
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



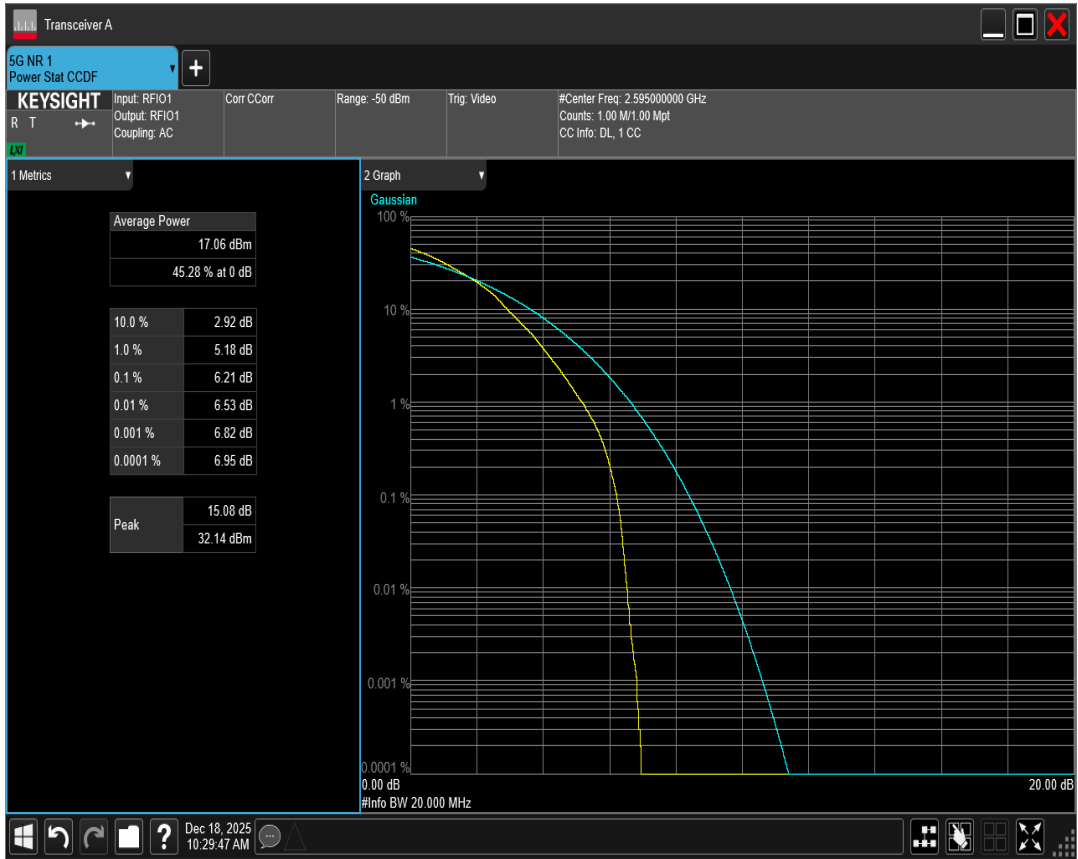
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



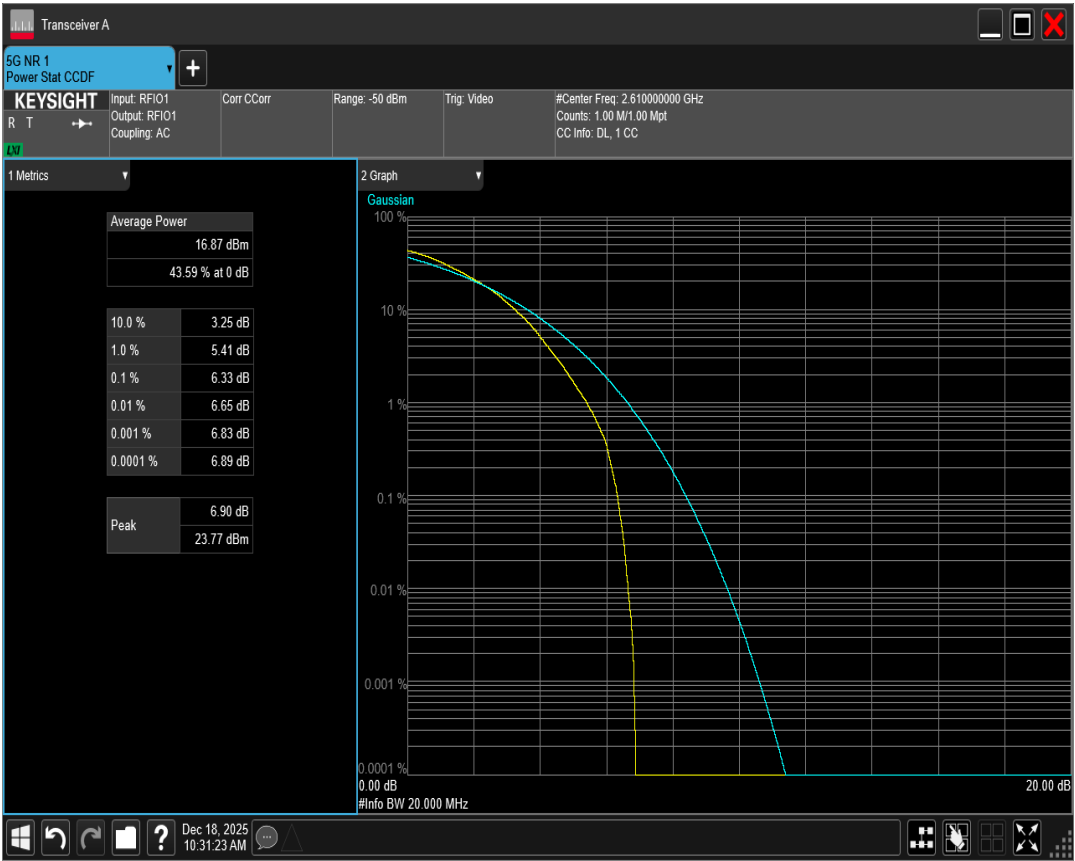
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



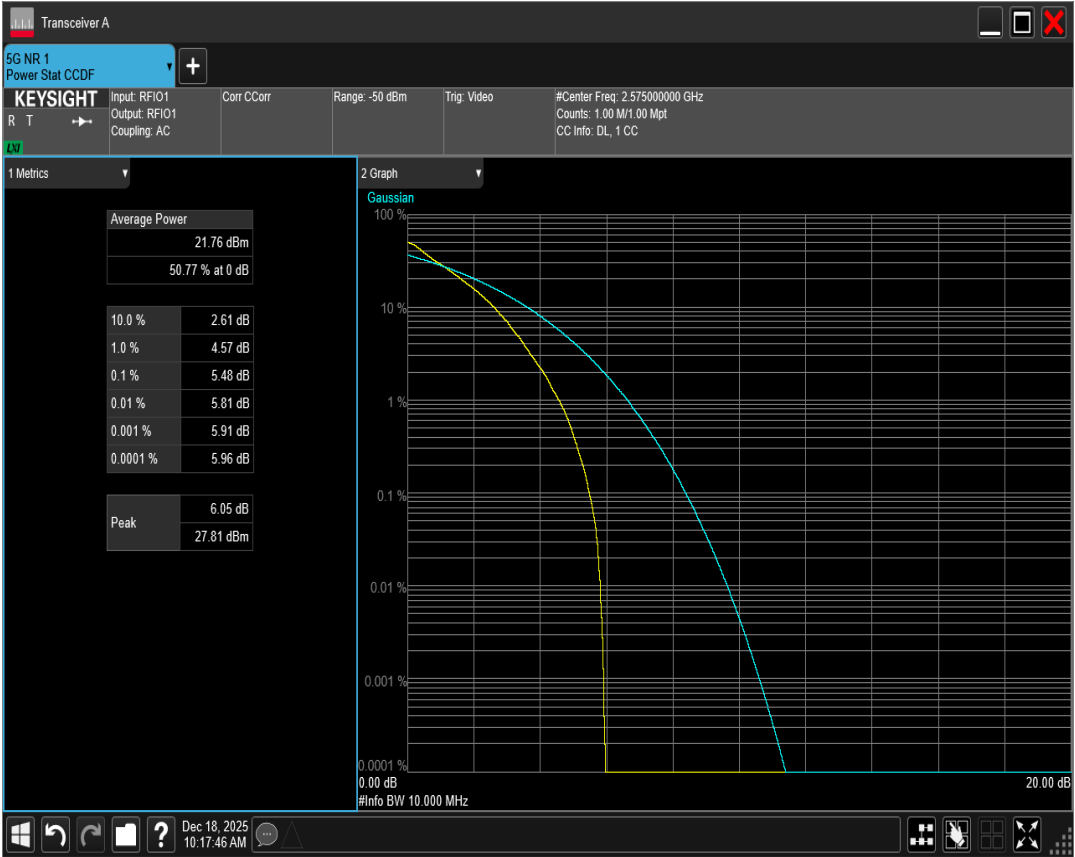
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



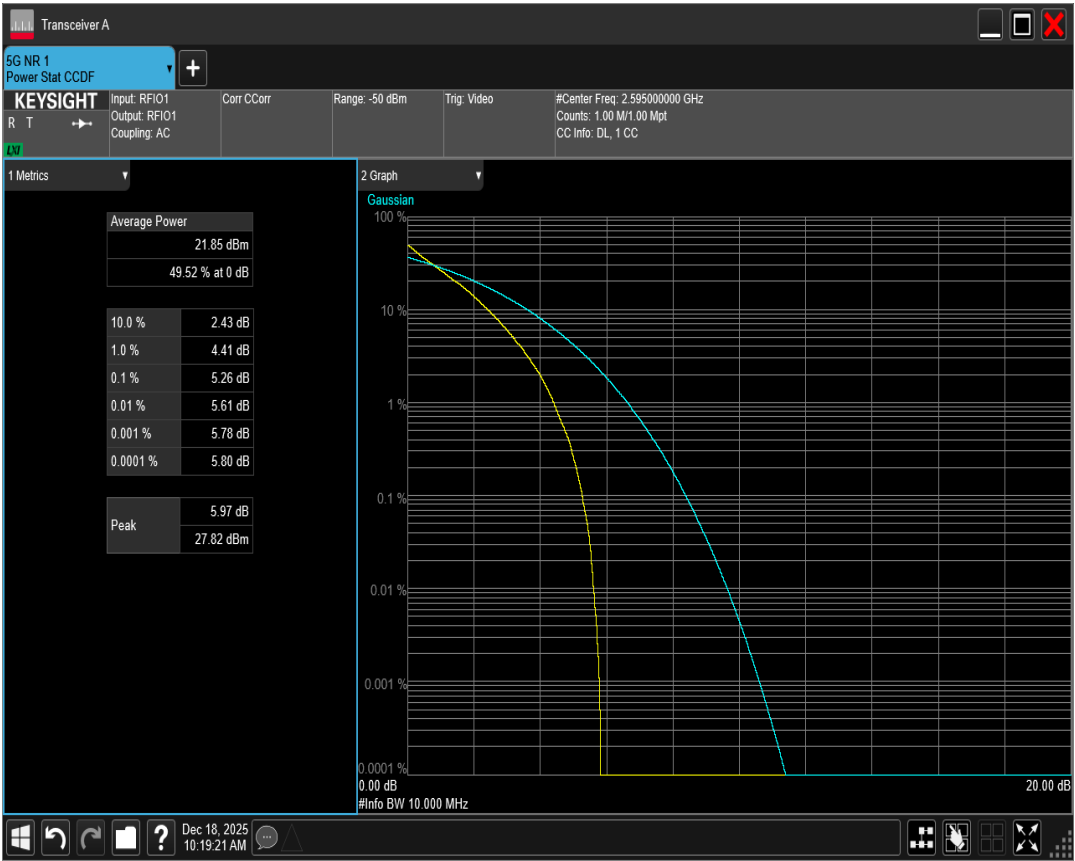
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



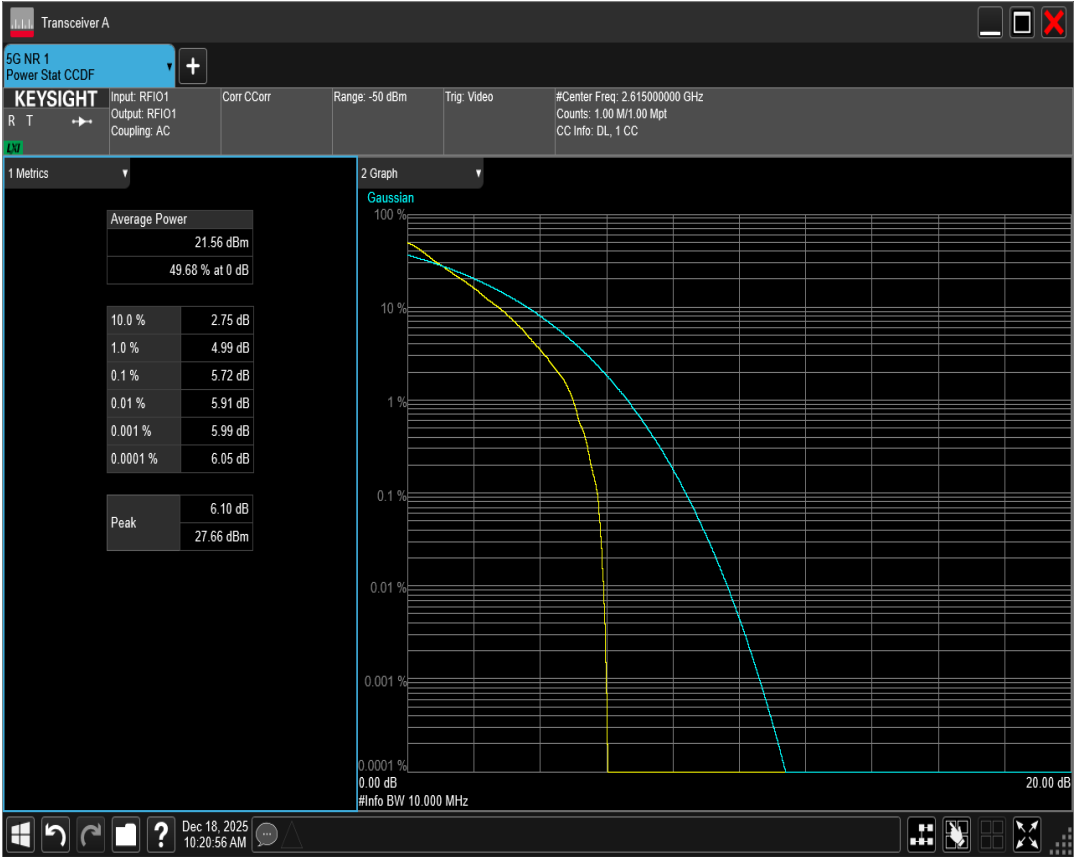
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



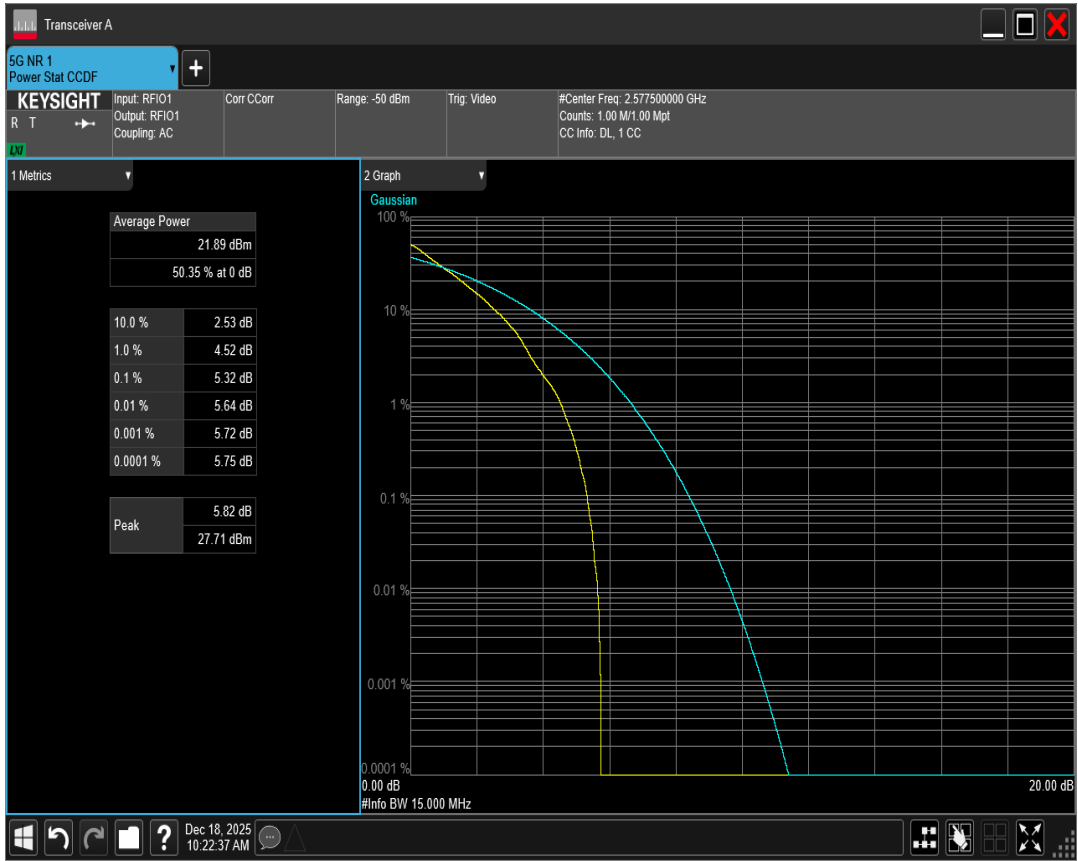
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



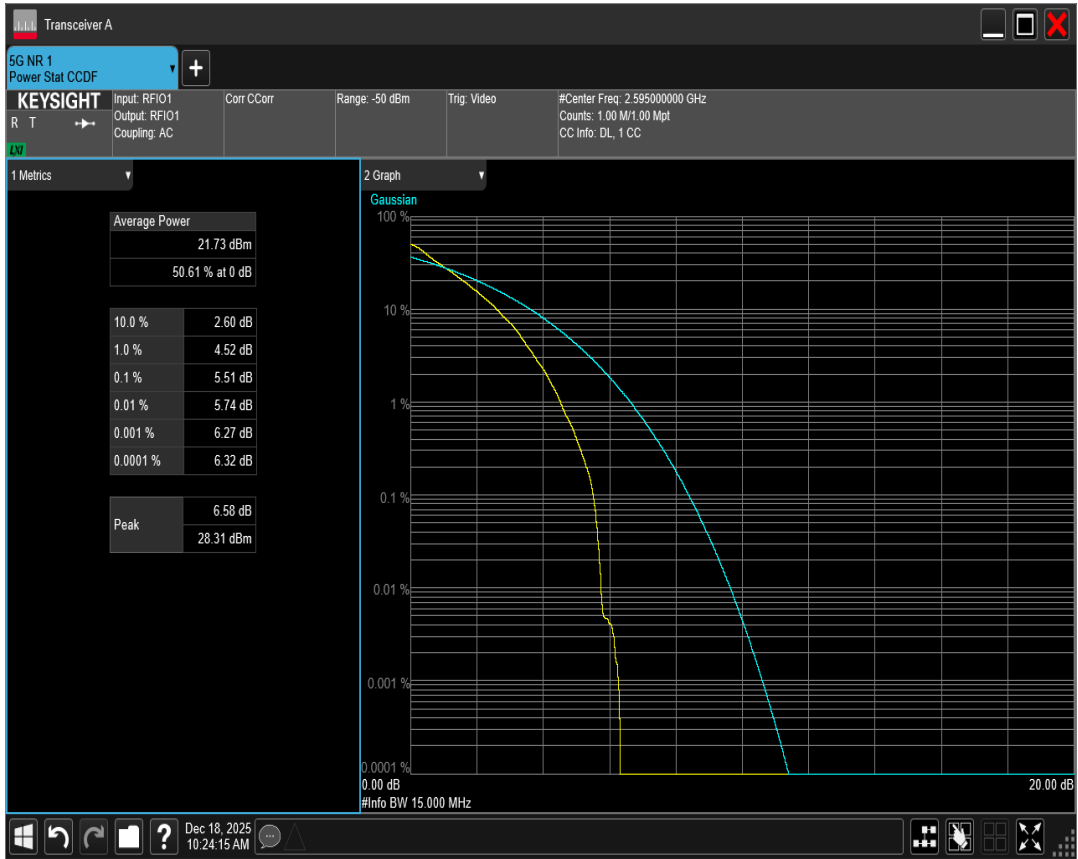
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



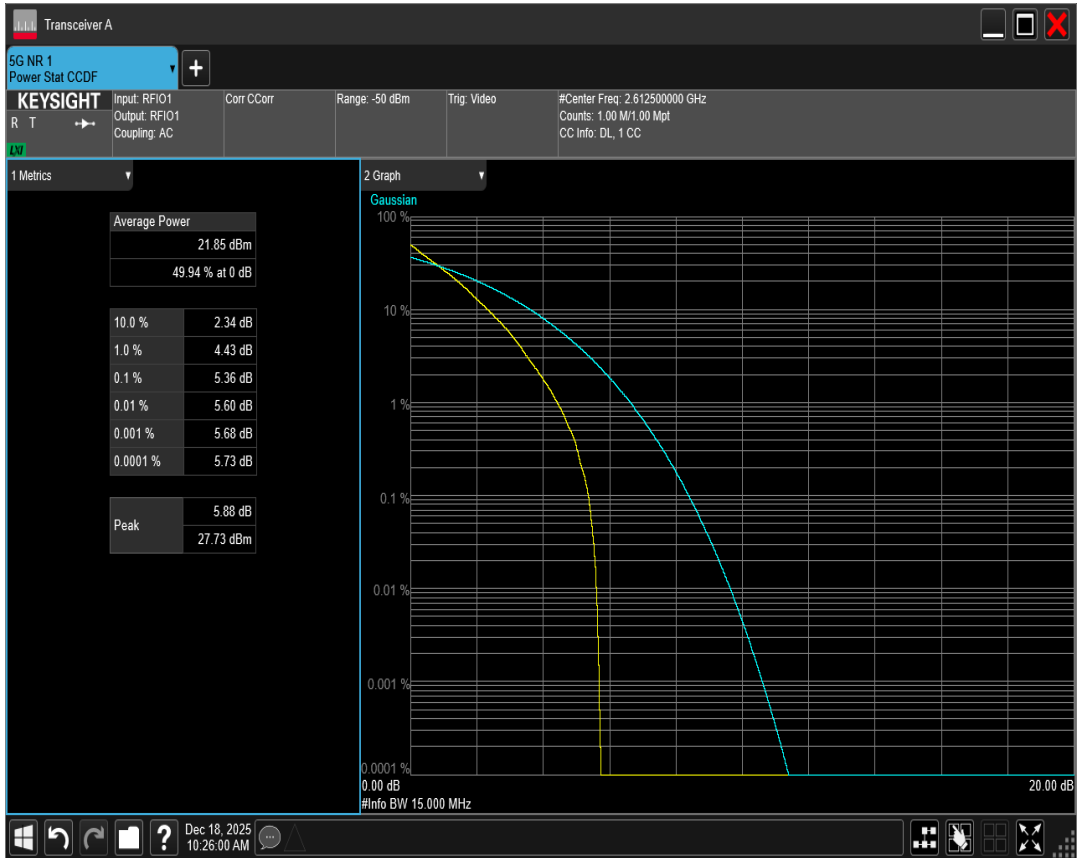
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



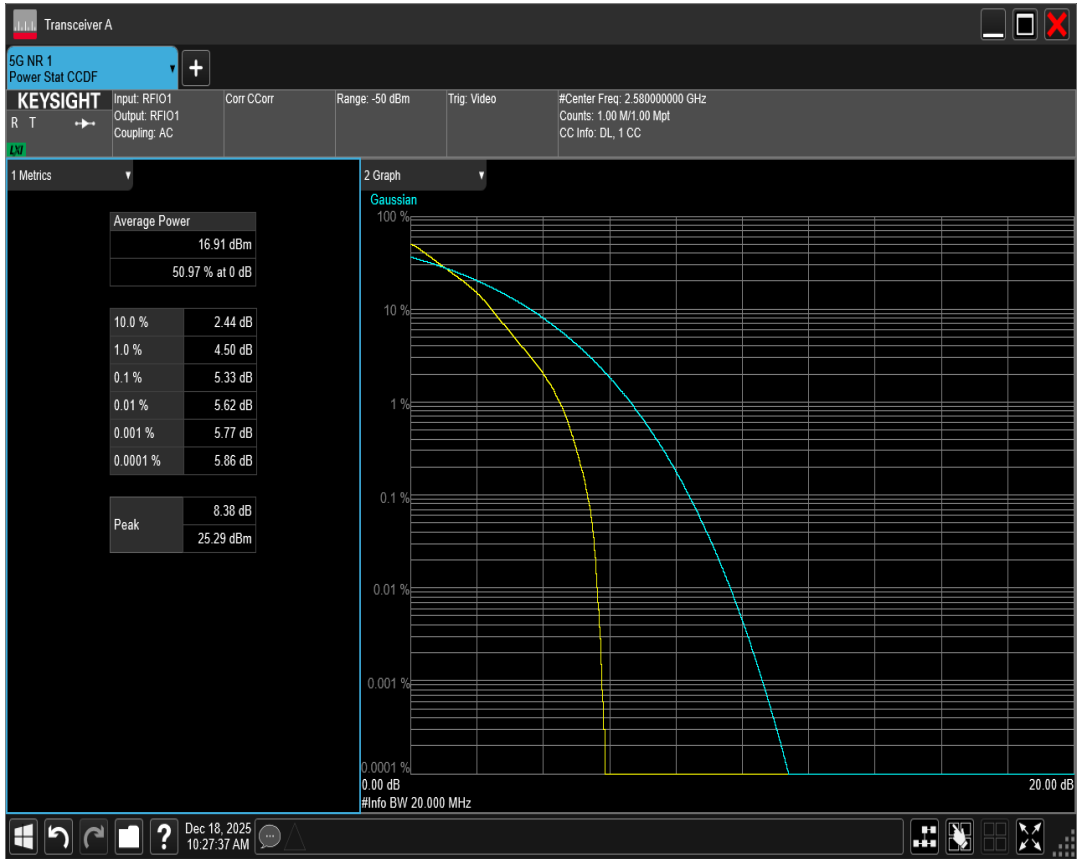
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



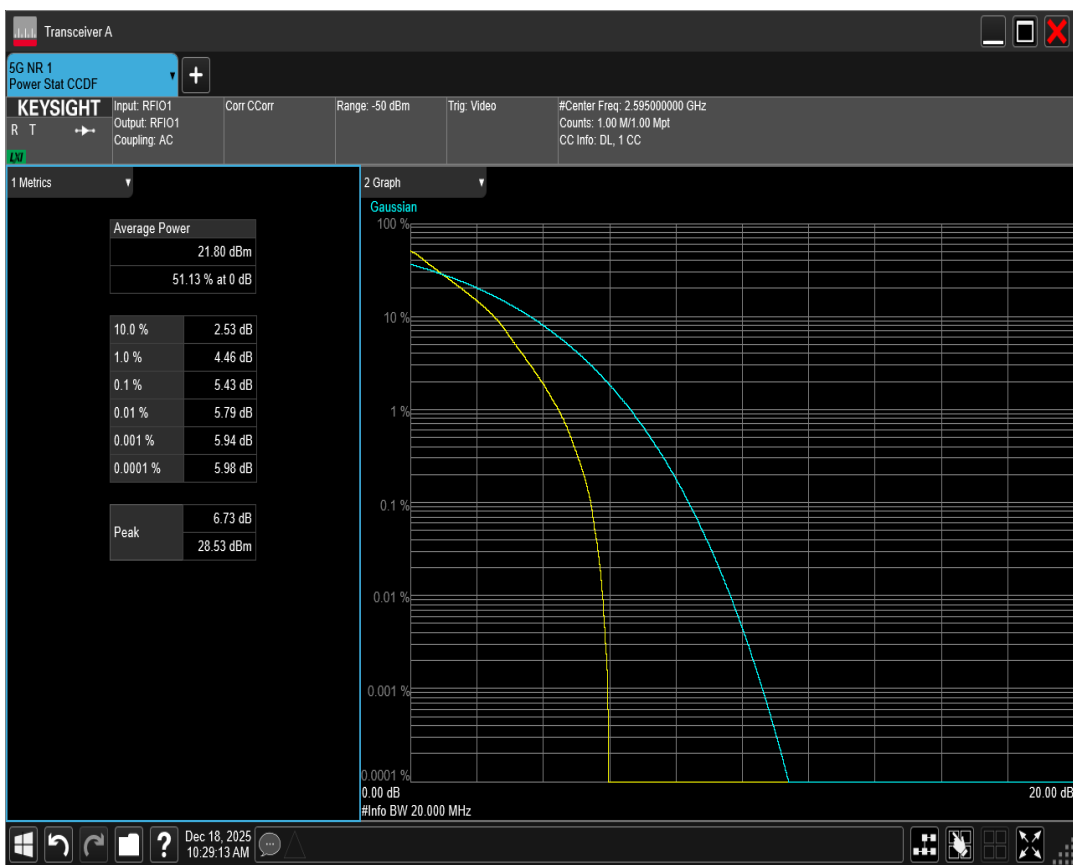
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



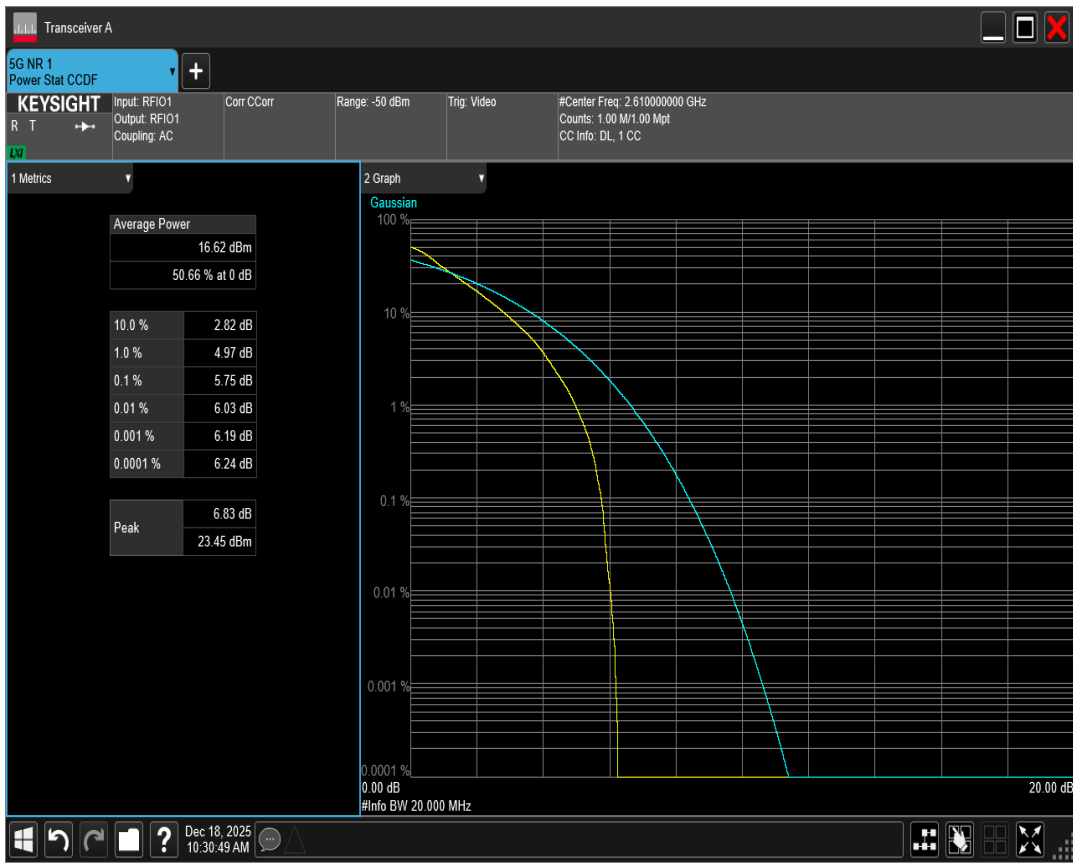
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



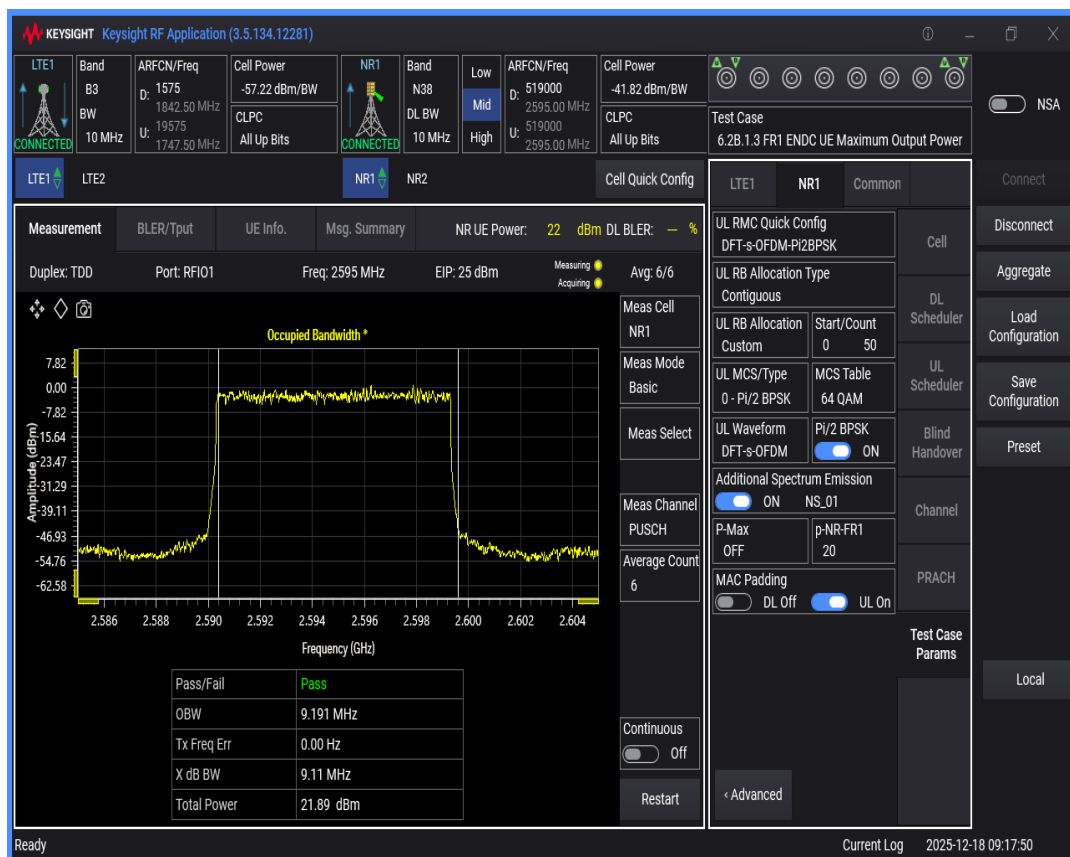
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=522000 RB=50@0



4 Occupied bandwidth for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n38	30	10	519000	24@0	DFT_BPSK	8.580	8.880	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.530	8.910	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.570	8.990	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.570	8.880	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.540	8.880	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.380	13.210	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.440	13.200	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.450	13.160	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.440	13.180	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.470	13.140	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.060	18.290	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.030	18.340	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.040	18.320	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.010	18.290	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.010	18.270	PASS

n38 SCS=15kHz DFT_BPSK BW=10MHz Channel=519000 RB=50@0



n38 SCS=15kHz DFT_BPSK BW=15MHz Channel=519000 RB=75@0



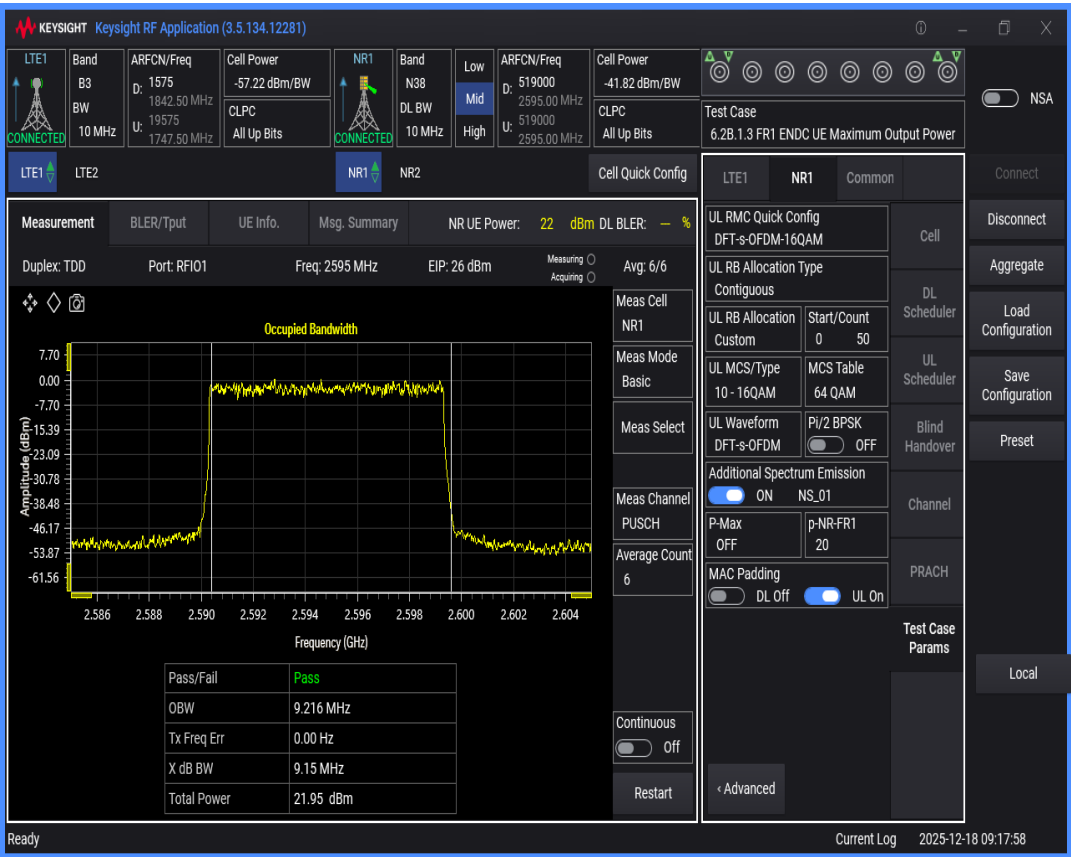
n38 SCS=15kHz DFT_BPSK BW=20MHz Channel=519000 RB=100@0



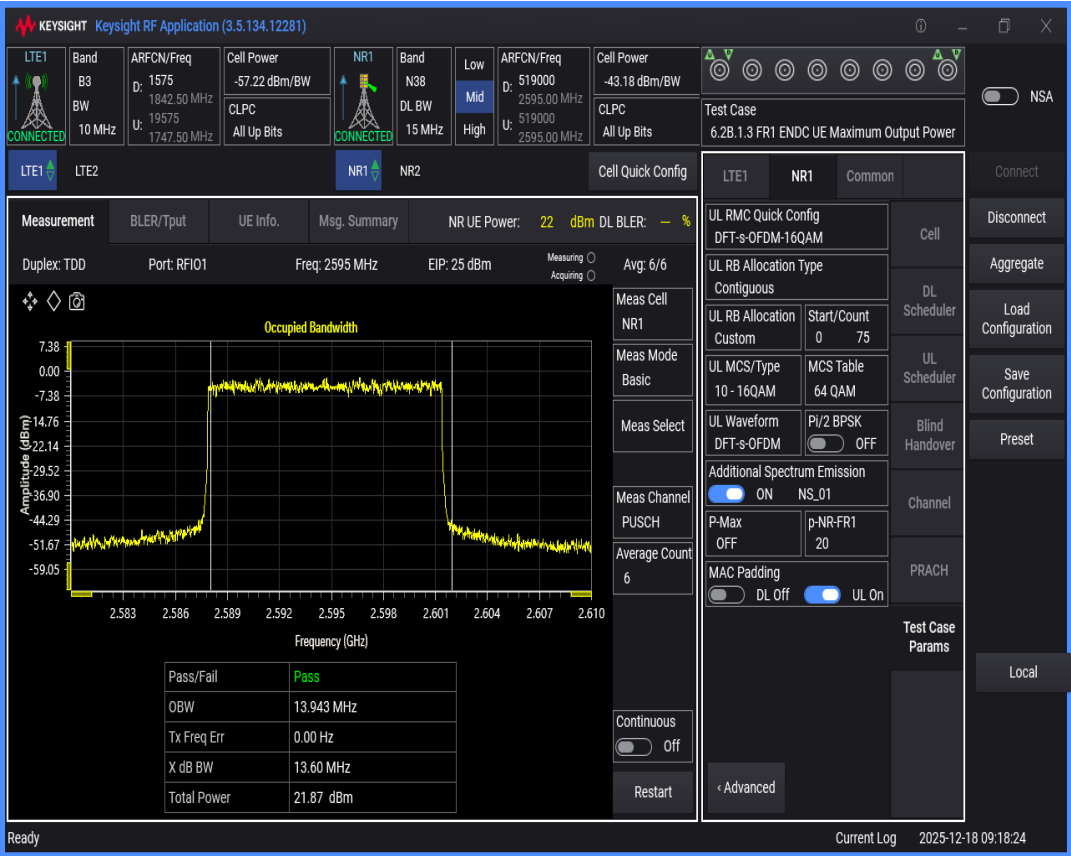
n38 SCS=15kHz DFT_BPSK BW=5MHz Channel=519000 RB=25@0



n38 SCS=15kHz DFT_QAM16 BW=10MHz Channel=519000 RB=50@0



n38 SCS=15kHz DFT_QAM16 BW=15MHz Channel=519000 RB=75@0



n38 SCS=15kHz DFT_QAM16 BW=20MHz Channel=519000 RB=100@0



n38 SCS=15kHz DFT_QAM16 BW=5MHz Channel=519000 RB=25@0



n38 SCS=15kHz DFT_QAM256 BW=10MHz Channel=519000 RB=50@0



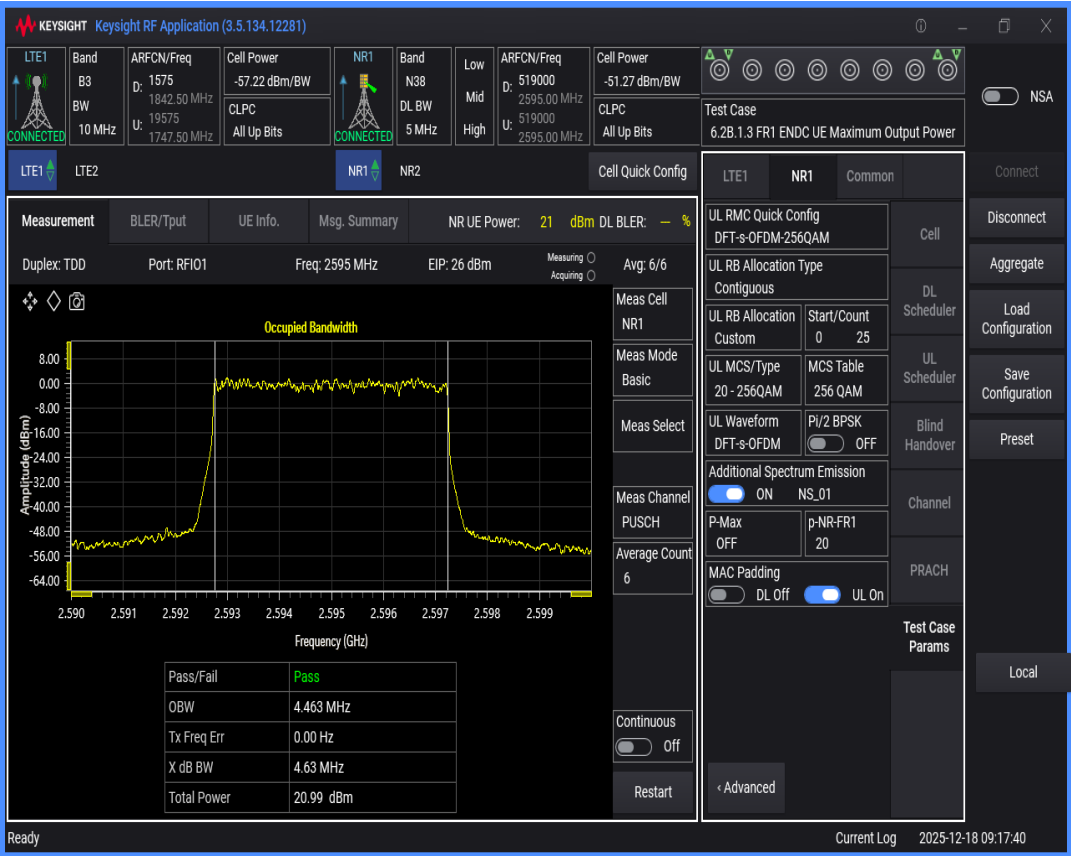
n38 SCS=15kHz DFT_QAM256 BW=15MHz Channel=519000 RB=75@0



n38 SCS=15kHz DFT_QAM256 BW=20MHz Channel=519000 RB=100@0



n38 SCS=15kHz DFT_QAM256 BW=5MHz Channel=519000 RB=25@0



n38 SCS=15kHz DFT_QAM64 BW=10MHz Channel=519000 RB=50@0



n38 SCS=15kHz DFT_QAM64 BW=15MHz Channel=519000 RB=75@0



n38 SCS=15kHz DFT_QAM64 BW=20MHz Channel=519000 RB=100@0



n38 SCS=15kHz DFT_QAM64 BW=5MHz Channel=519000 RB=25@0



n38 SCS=15kHz DFT_QPSK BW=10MHz Channel=519000 RB=50@0



n38 SCS=15kHz DFT_QPSK BW=15MHz Channel=519000 RB=75@0



n38 SCS=15kHz DFT_QPSK BW=20MHz Channel=519000 RB=100@0



n38 SCS=15kHz DFT_QPSK BW=5MHz Channel=519000 RB=25@0



n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=519000 RB=24@0



n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0