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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
Band5	30	5	20425	1@0	QPSK	9.55			
n38	30	10	515000	1@0	DFT_BPSK	21.41			
Sum	30					21.68	19	26	PASS
Band5	30	5	20525	8@0	QPSK	8.98			
n38	30	10	519000	12@6	DFT_BPSK	21.64			
Sum	30					21.86	19	26	PASS
Band5	30	5	20525	8@0	QPSK	8.95			
n38	30	10	519000	12@6	DFT_QPSK	21.78			
Sum	30					22.00	19	26	PASS
Band5	30	5	20625	1@17	QPSK	8.04			
n38	30	10	523000	1@23	DFT_BPSK	21.49			
Sum	30					21.68	19	26	PASS
Band5	30	5	20625	8@17	QPSK	8.74			
n38	30	10	523000	12@6	DFT_BPSK	21.87			
Sum	30					22.07	19	26	PASS
Band5	30	5	20625	1@17	QPSK	8.05			
n38	30	10	523000	1@23	DFT_QPSK	21.48			
Sum	30					21.67	19	26	PASS
Band5	30	5	20625	8@17	QPSK	8.71			
n38	30	10	523000	12@6	DFT_QPSK	21.97			
Sum	30					22.17	19	26	PASS
Band5	30	10	20450	1@0	QPSK	9.23			
n38	30	20	516000	1@0	DFT_BPSK	21.00			
Sum	30					21.26	19	26	PASS
Band5	30	10	20525	12@0	QPSK	8.96			
n38	30	20	519000	25@12	DFT_BPSK	21.66			
Sum	30					21.88	19	26	PASS
Band5	30	10	20525	12@0	QPSK	8.90			
n38	30	20	519000	25@12	DFT_QPSK	21.63			
Sum	30					21.85	19	26	PASS
Band5	30	10	20600	1@38	QPSK	8.59			
n38	30	20	522000	1@50	DFT_BPSK	21.32			
Sum	30					21.54	19	26	PASS
Band5	30	10	20600	12@38	QPSK	8.72			
n38	30	20	522000	25@12	DFT_BPSK	21.95			
Sum	30					22.15	19	26	PASS
Band5	30	10	20600	1@38	QPSK	8.64			
n38	30	20	522000	1@50	DFT_QPSK	21.45			
Sum	30					21.67	19	26	PASS

Band5	30	10	20600	12@38	QPSK	8.72			
n38	30	20	522000	25@12	DFT_QPSK	21.86			
Sum	30					22.06	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	-5.02	-0.00195	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	-3.93	-0.00153	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-4.94	-0.00192	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-3.80	-0.00148	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-5.66	-0.00220	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-3.91	-0.00152	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-2.57	-0.00099	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-4.07	-0.00157	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-3.82	-0.00147	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	-4.05	-0.00156	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	-4.14	-0.00160	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-2.40	-0.00092	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-5.37	-0.00205	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-4.16	-0.00159	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-3.69	-0.00141	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	-3.69	-0.00141	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	-4.04	-0.00154	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-5.14	-0.00197	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-6.21	-0.00241	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-2.96	-0.00115	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-5.57	-0.00216	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	-3.44	-0.00133	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	-4.61	-0.00179	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-5.70	-0.00221	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	-3.86	-0.00149	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	-1.88	-0.00072	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	-2.98	-0.00115	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	-5.82	-0.00224	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	-4.06	-0.00156	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	-1.44	-0.00055	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	-3.76	-0.00144	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-2.82	-0.00108	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-4.00	-0.00153	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	-4.73	-0.00181	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-5.28	-0.00202	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-2.29	-0.00088	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-3.68	-0.00143	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-5.14	-0.00199	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_BPSK	-5.56	-0.00216	-2.5	2.5	PASS

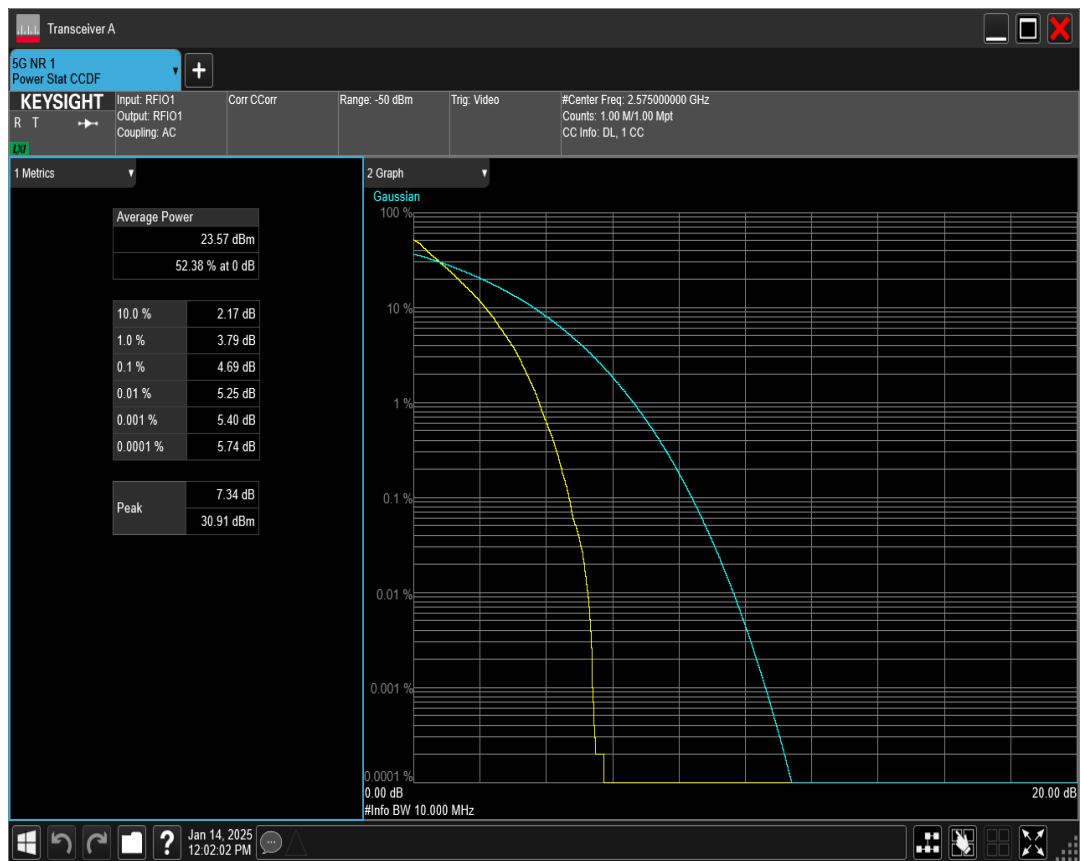
n38	30	20	516000	25@12	DFT_QPSK	-4.06	-0.00157	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	-5.21	-0.00202	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_QPSK	-6.53	-0.00253	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_BPSK	-3.25	-0.00125	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	-3.23	-0.00124	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	-4.31	-0.00166	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	-3.62	-0.00139	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	-4.11	-0.00158	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-3.60	-0.00139	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	-4.37	-0.00167	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	-2.48	-0.00095	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	-2.79	-0.00107	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	-2.85	-0.00109	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	-2.54	-0.00097	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	-3.04	-0.00116	-2.5	2.5	PASS

3 Peak-to-Average Ratio for EN-DC

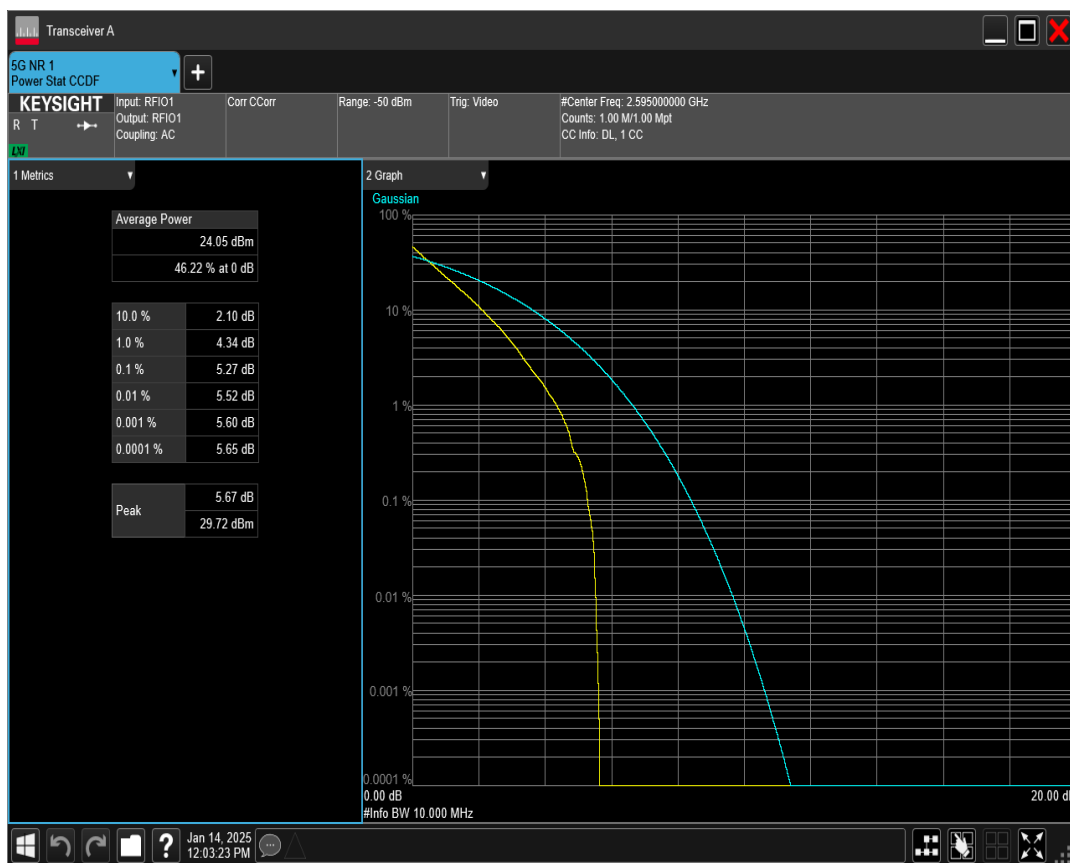
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	4.69	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	5.76	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	6.75	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	6.63	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	7.47	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	5.27	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	6.04	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	6.40	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.58	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	7.11	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.39	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.74	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	6.64	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.93	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	7.18	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.50	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	5.81	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	6.65	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	6.98	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	7.06	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.48	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.75	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.56	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	6.82	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	6.98	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.36	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	5.77	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	6.75	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	6.79	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	7.09	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	4.59	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	6.02	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	6.74	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	7.05	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	6.91	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	5.50	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.97	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	6.49	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.87	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	7.16	13	PASS

n38	30	20	522000	50@0	DFT_BPSK	4.56	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.91	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	6.56	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	6.66	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	7.04	13	PASS

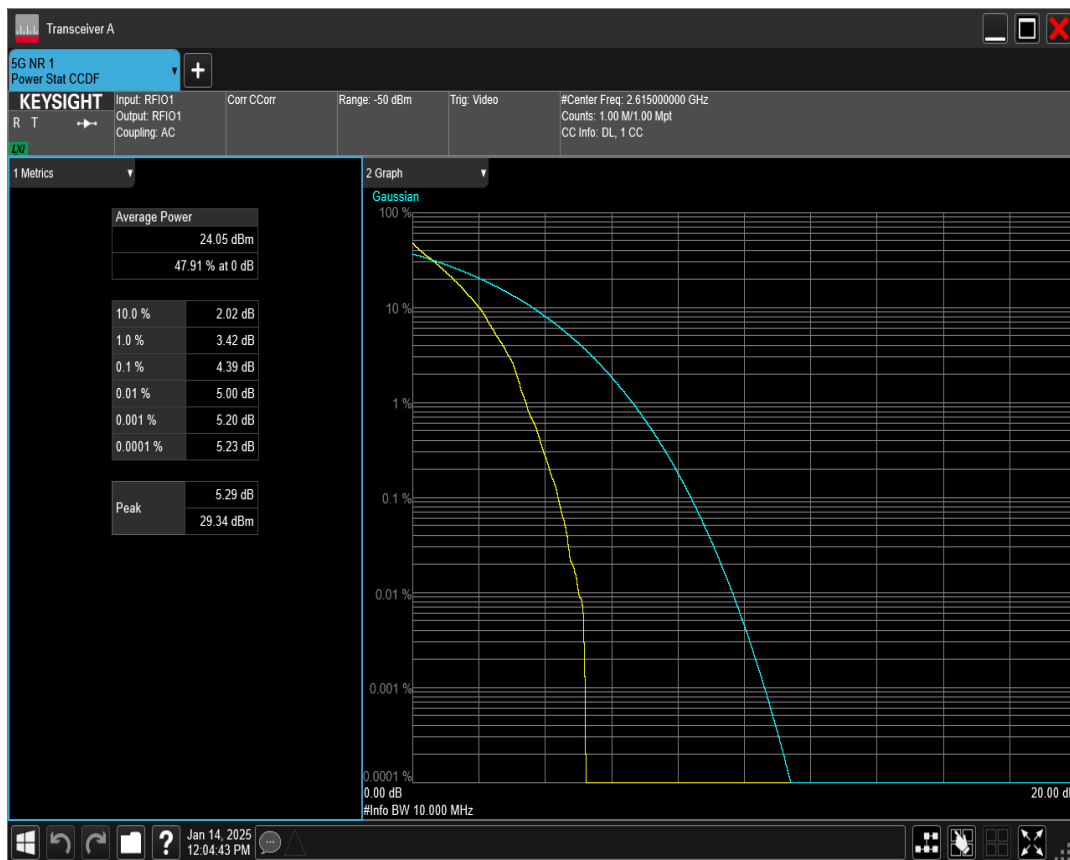
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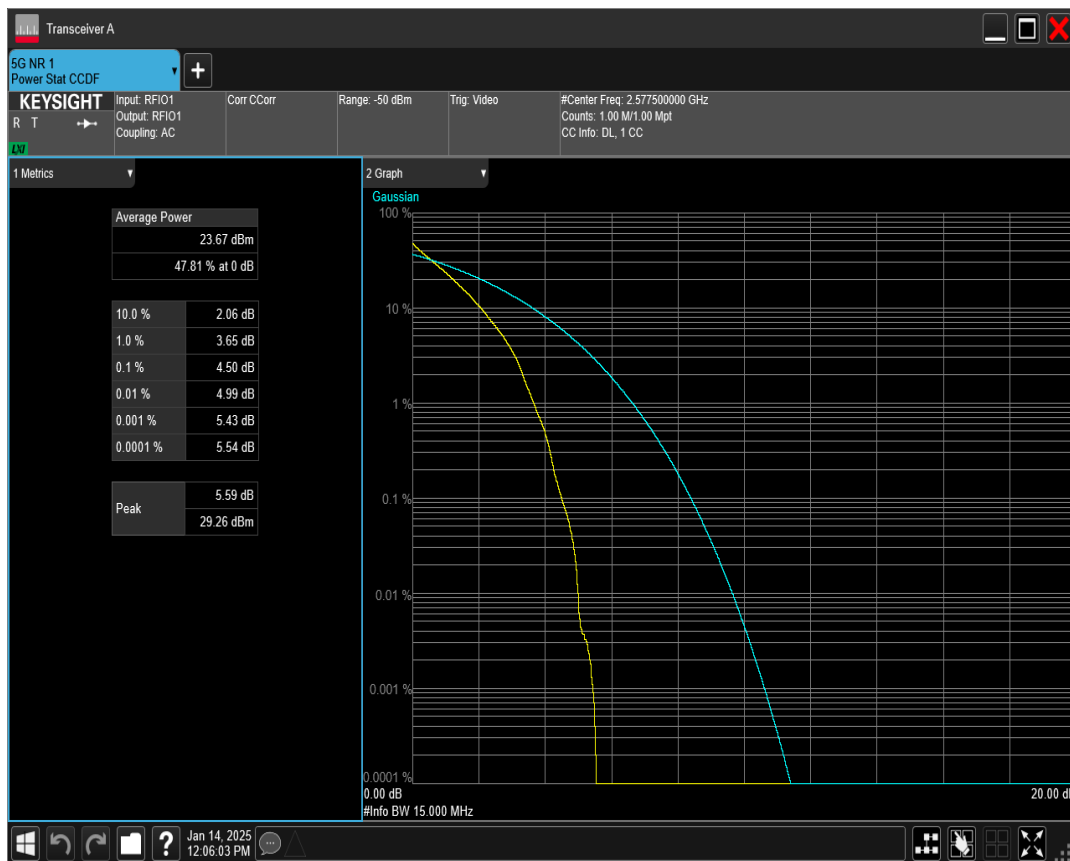
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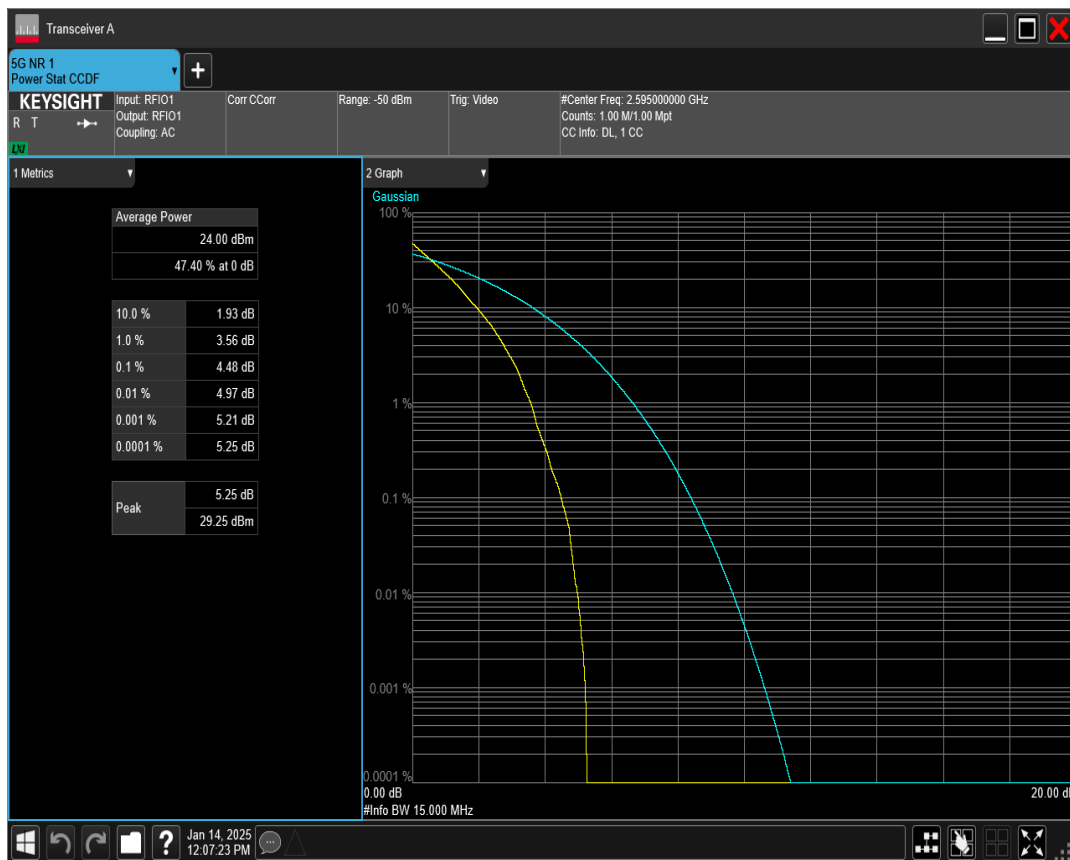
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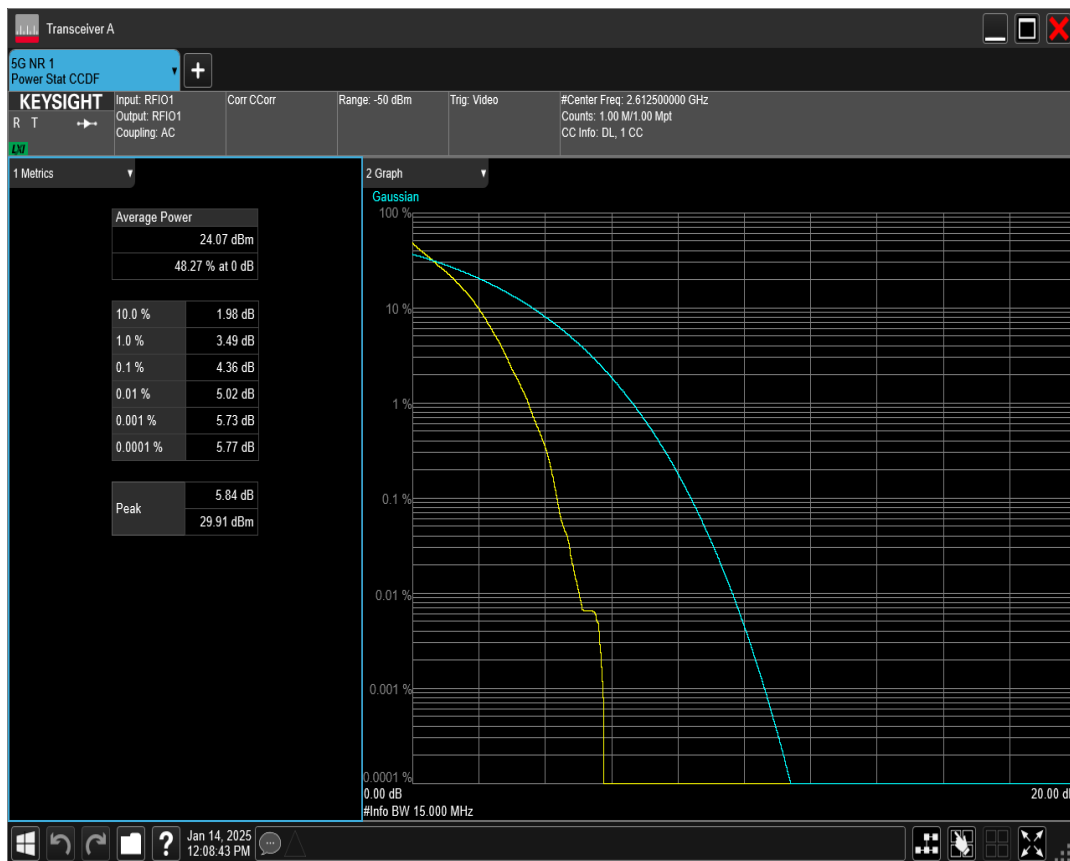
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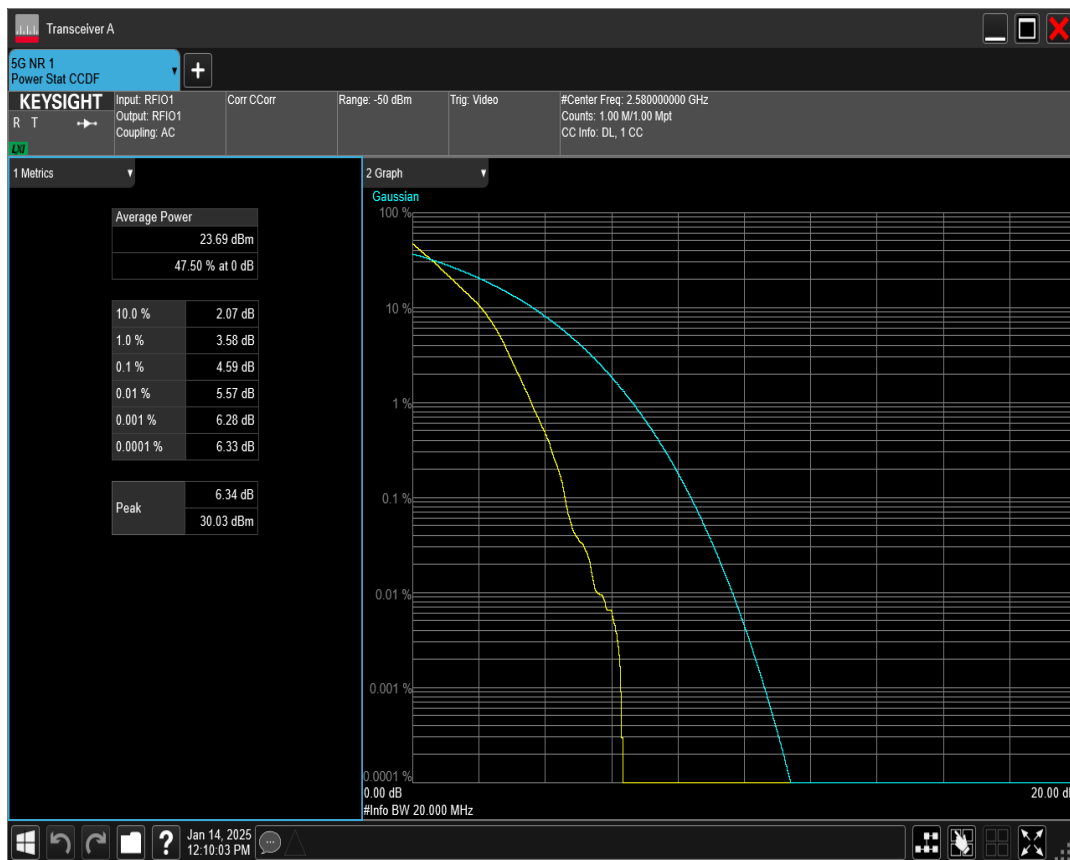
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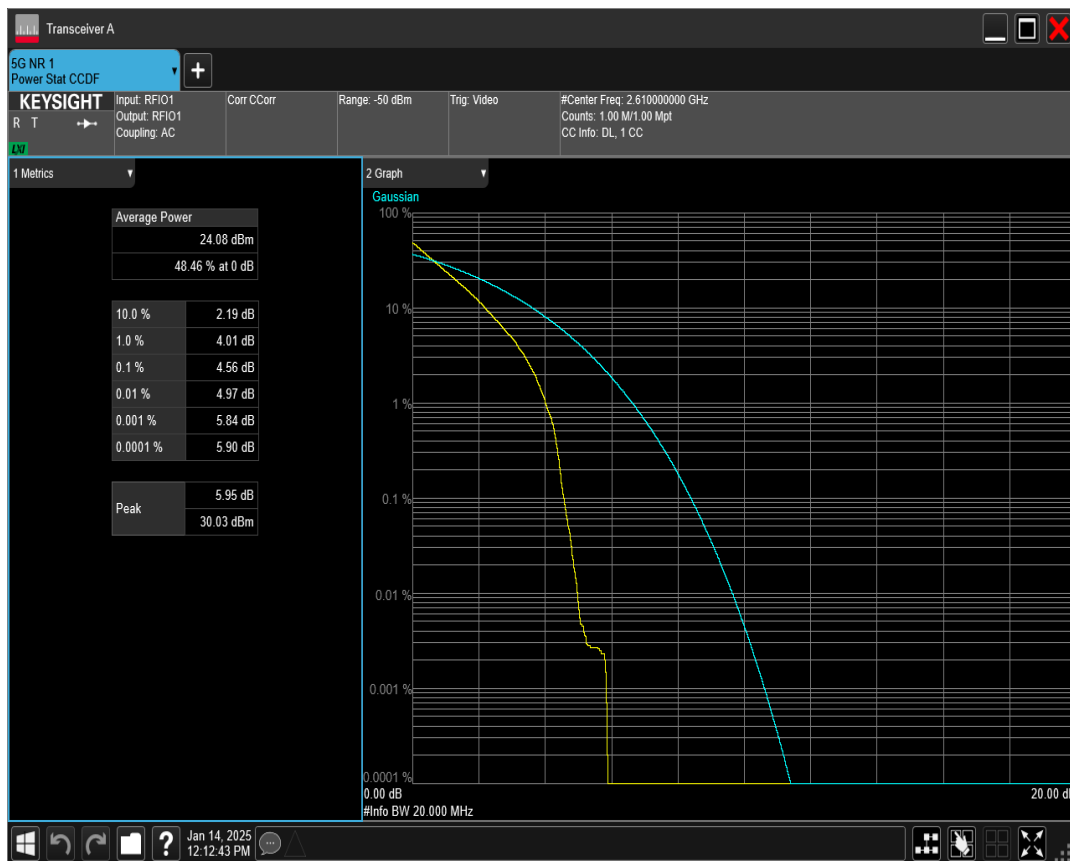
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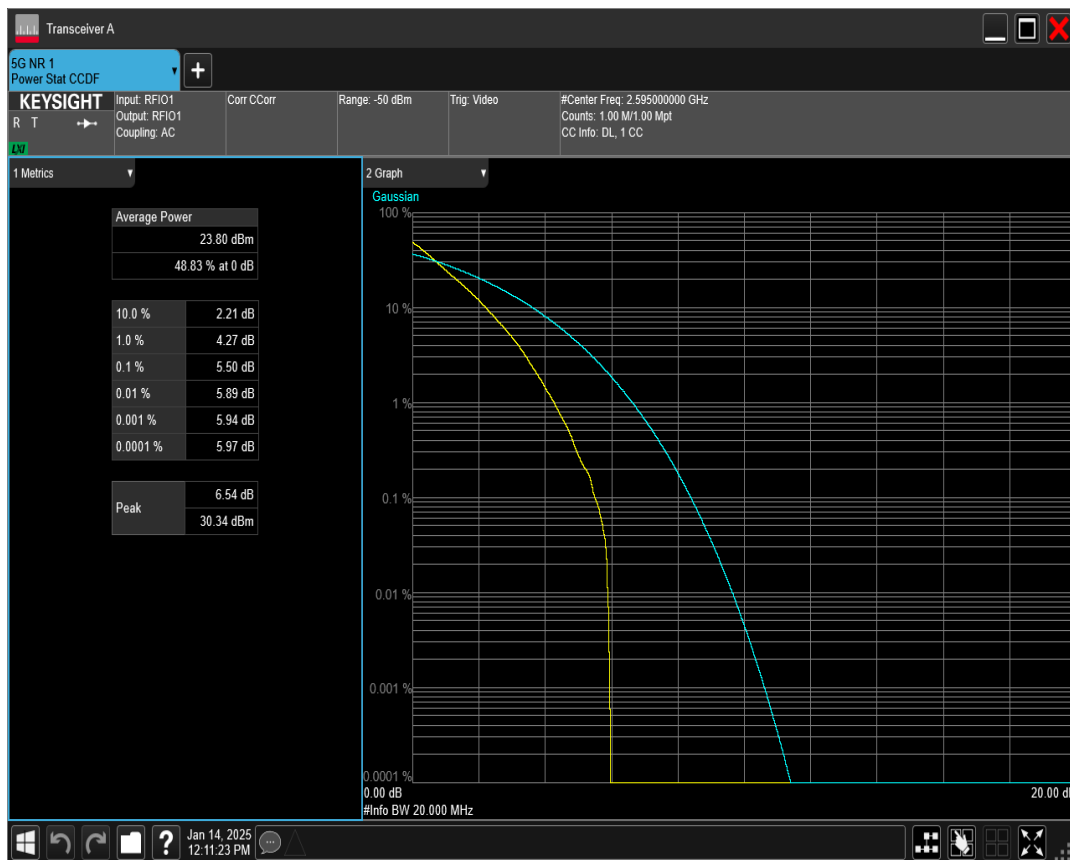
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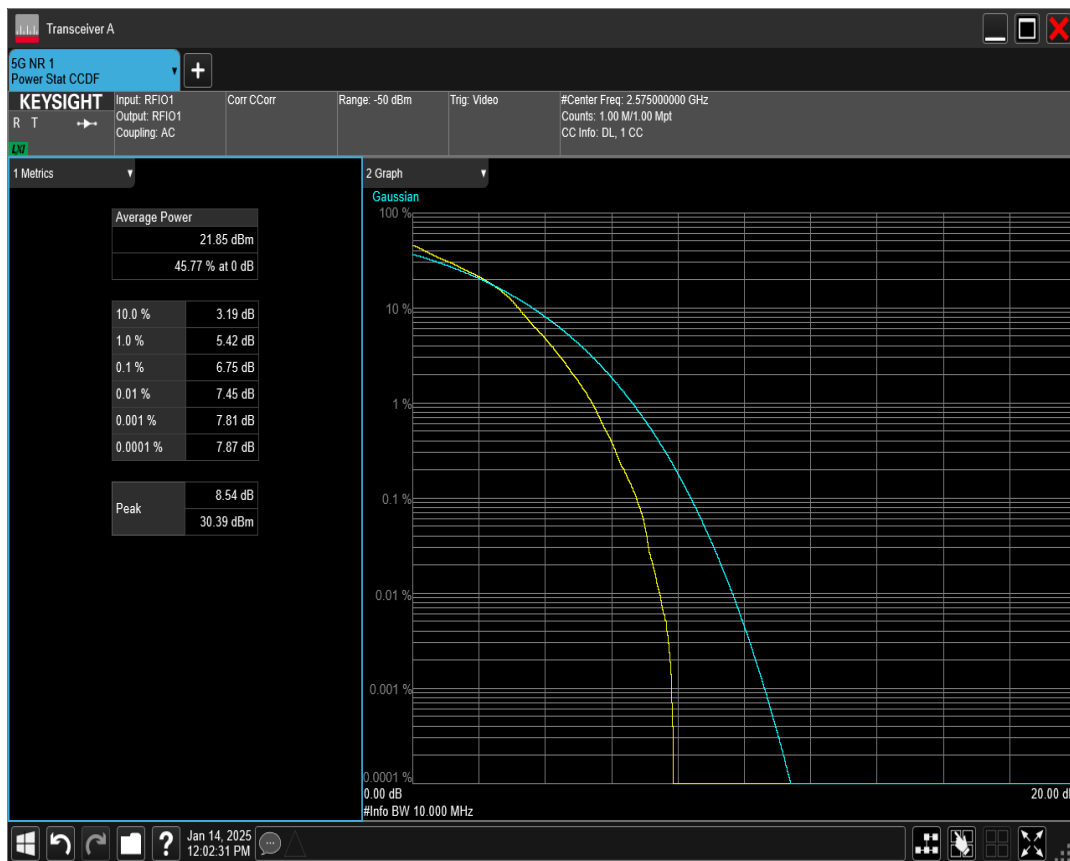
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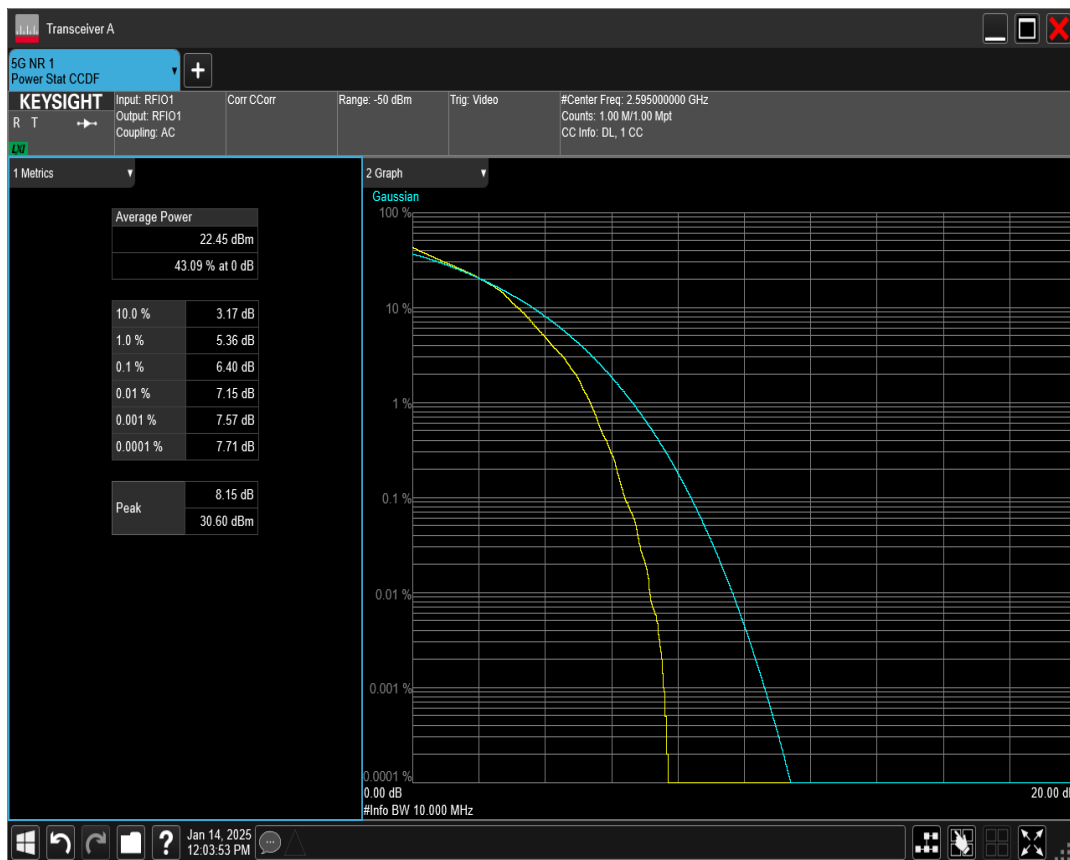
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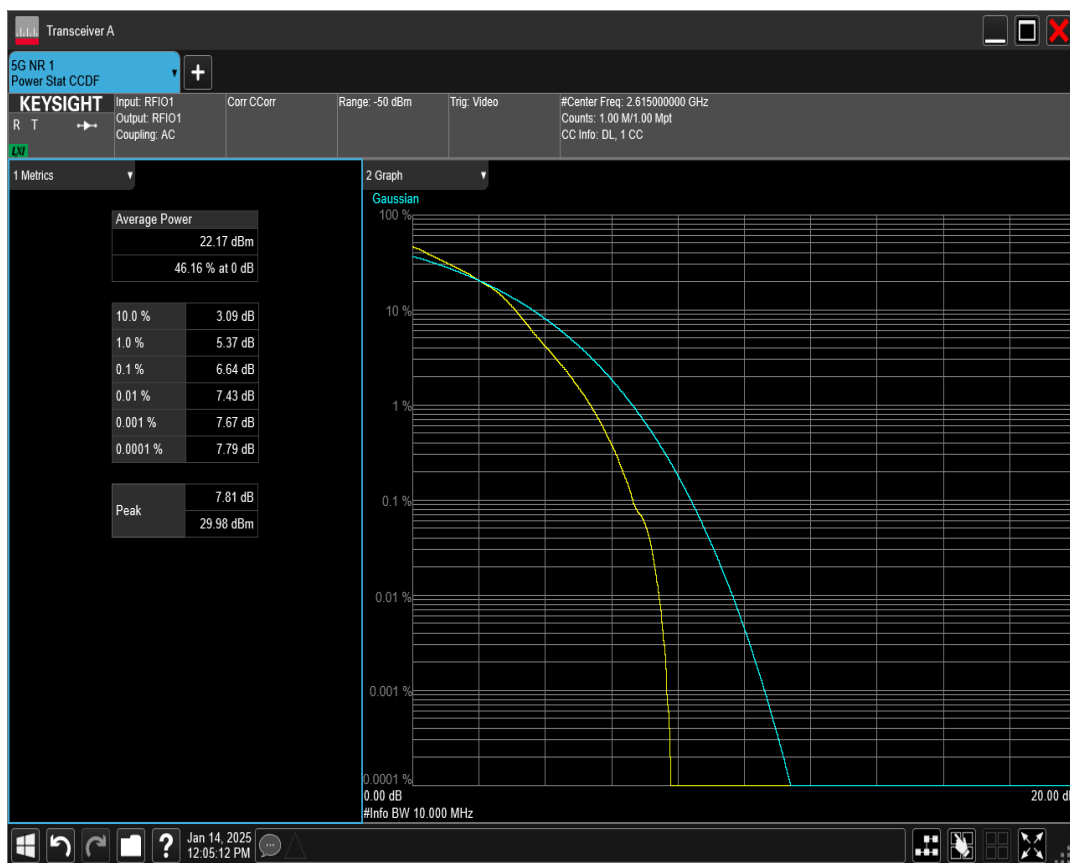
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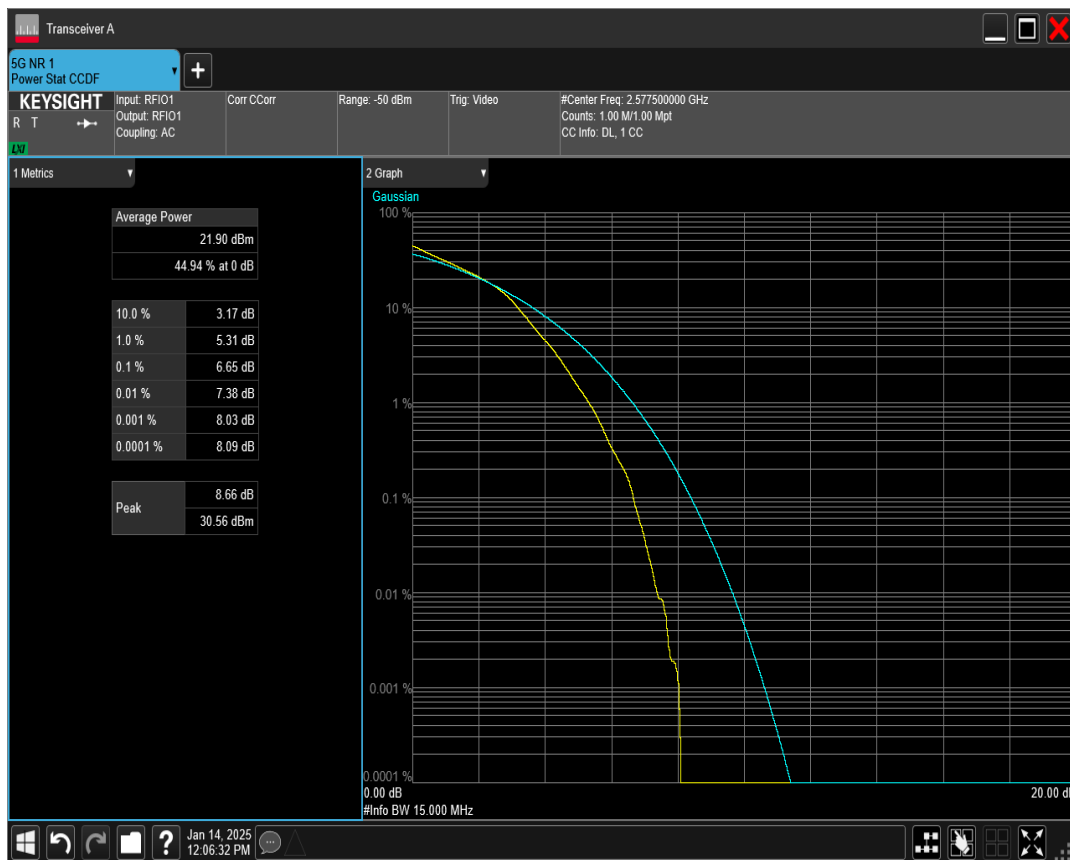
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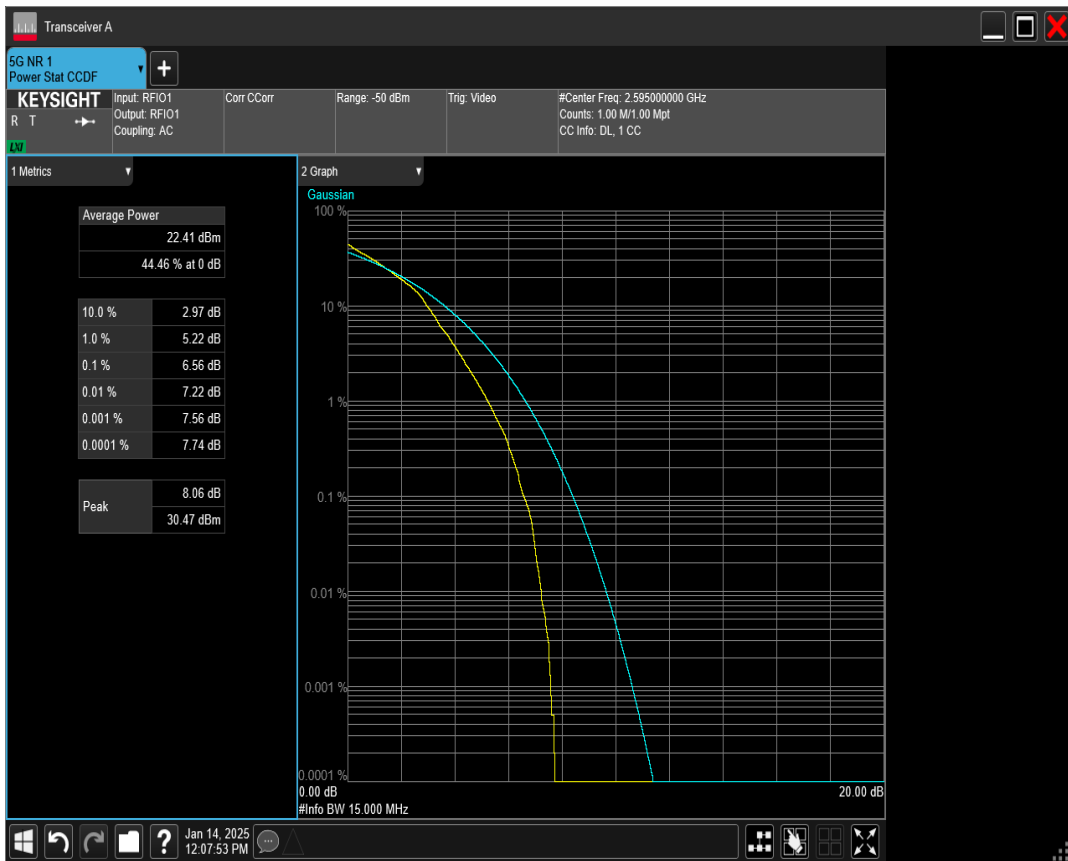
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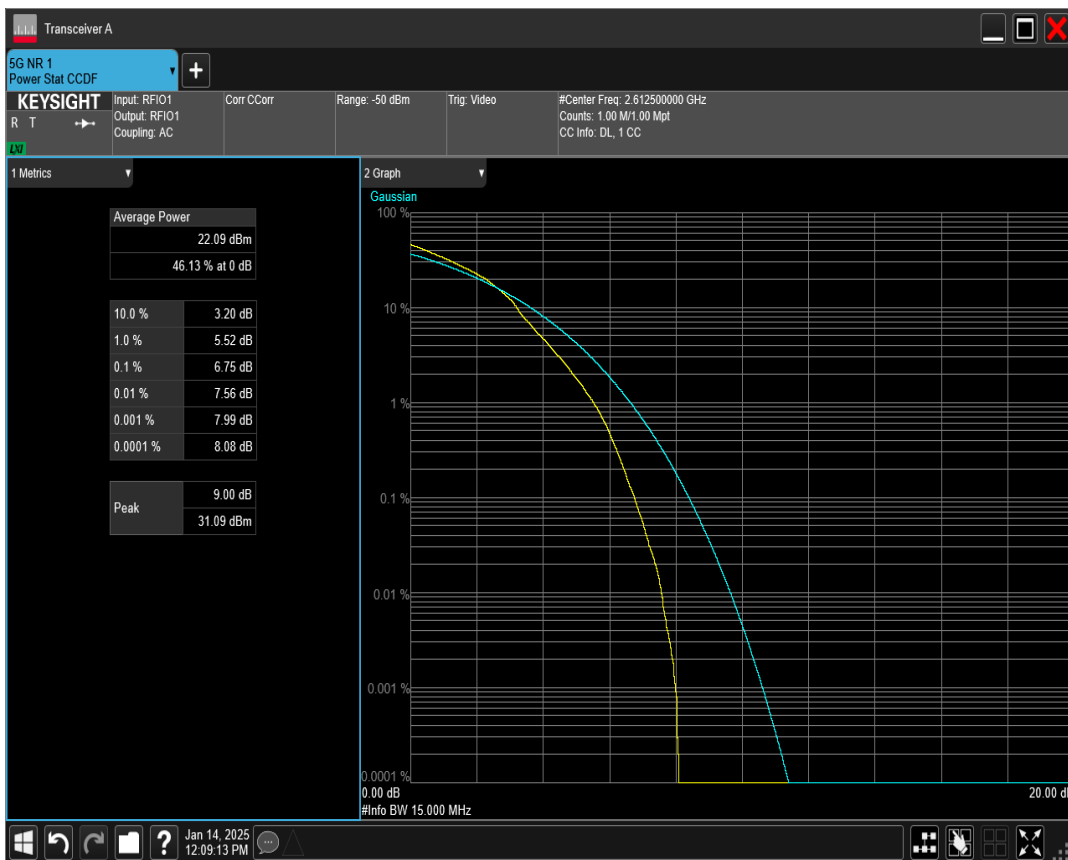
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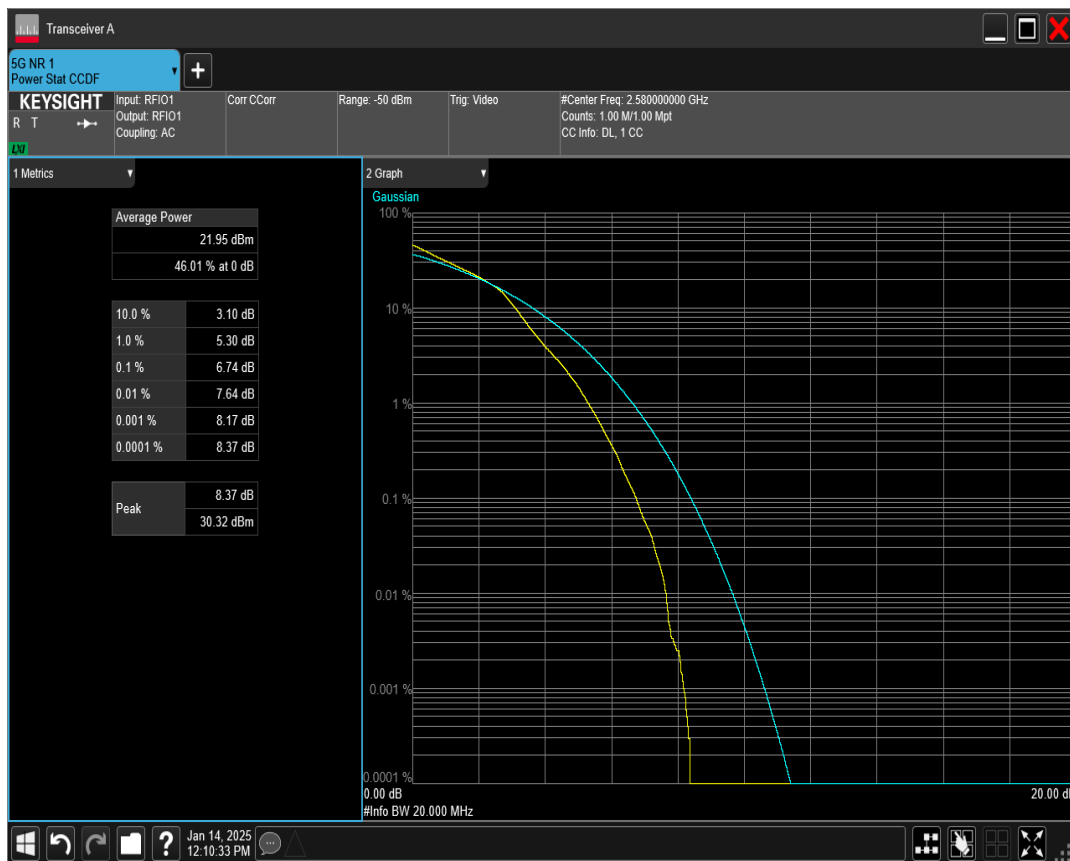
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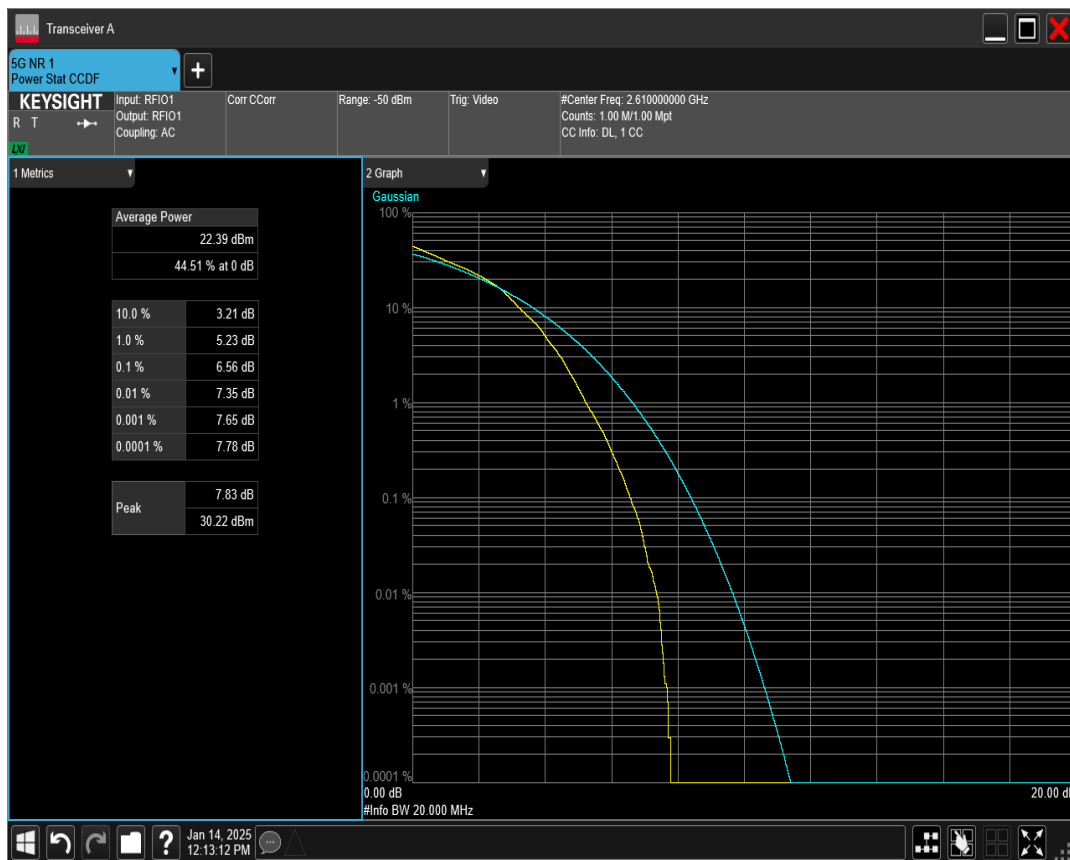
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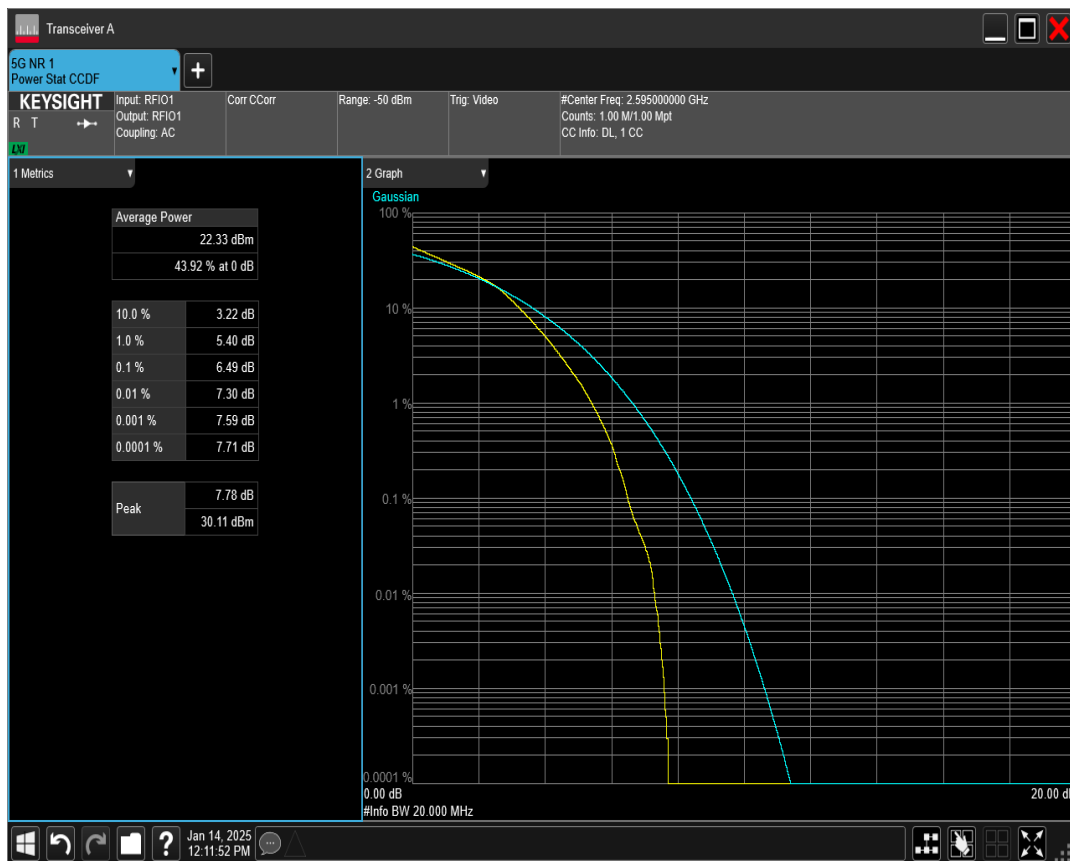
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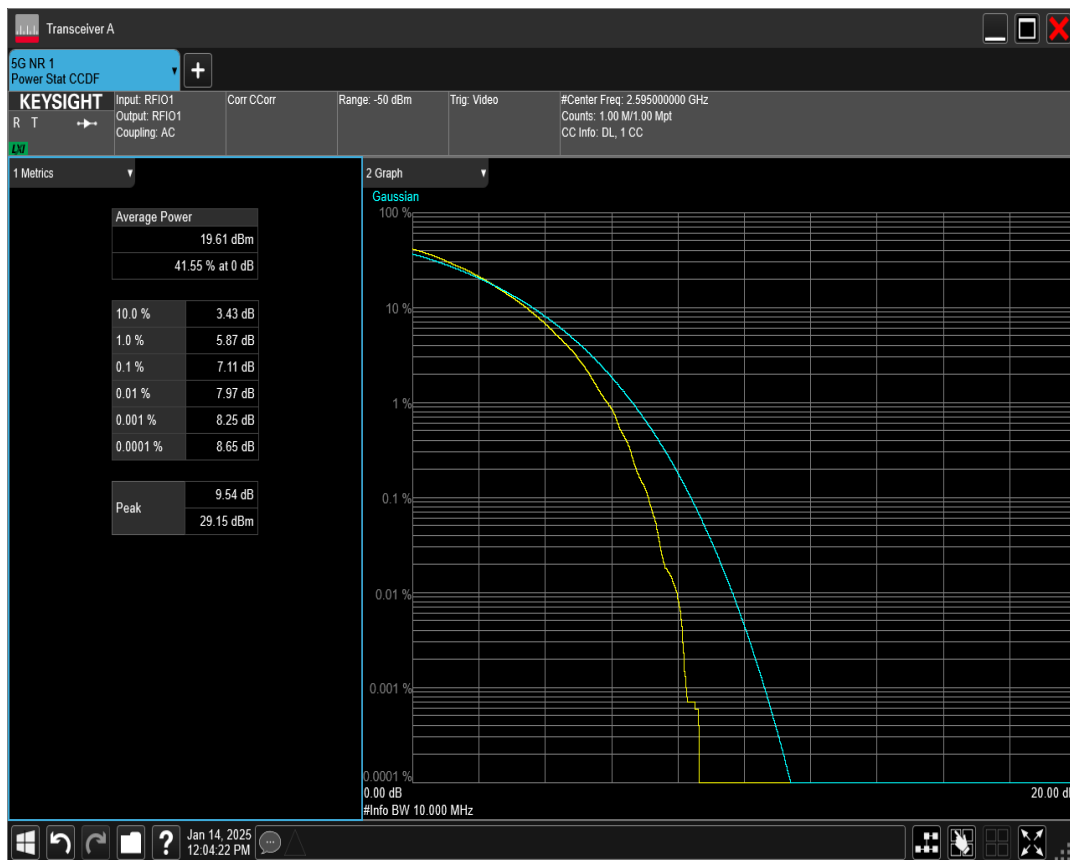
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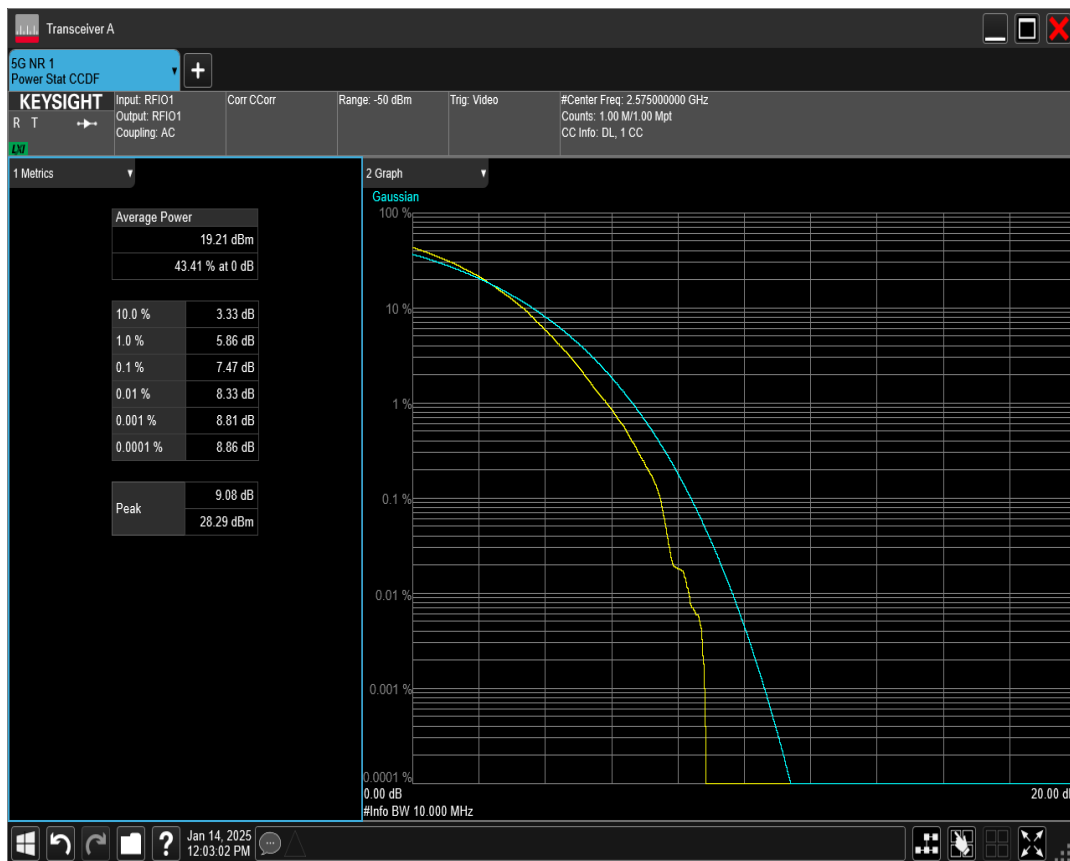
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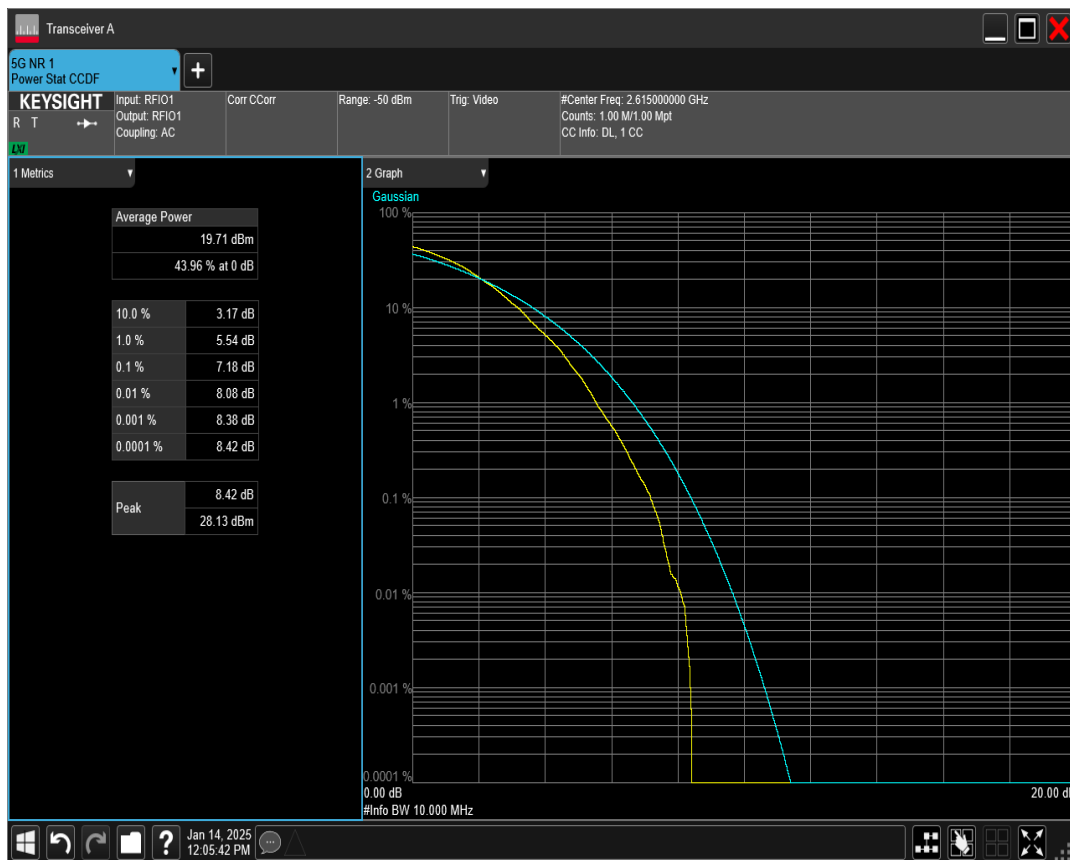
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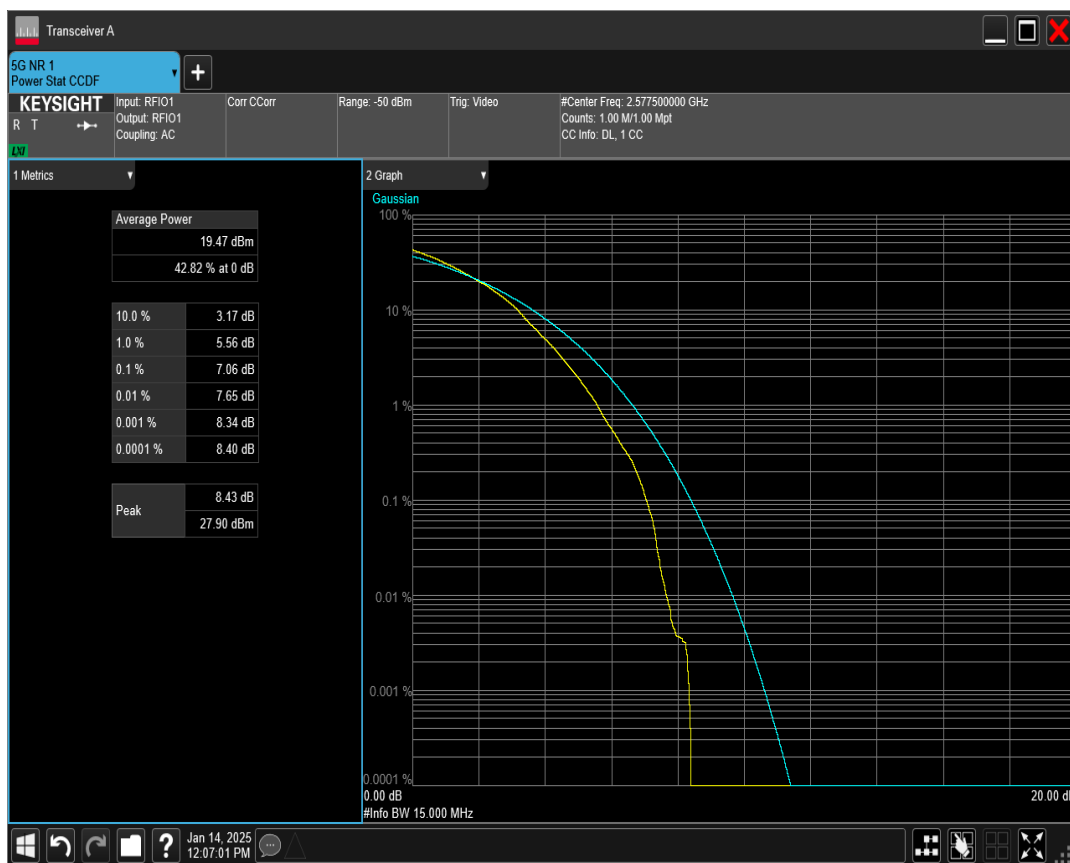
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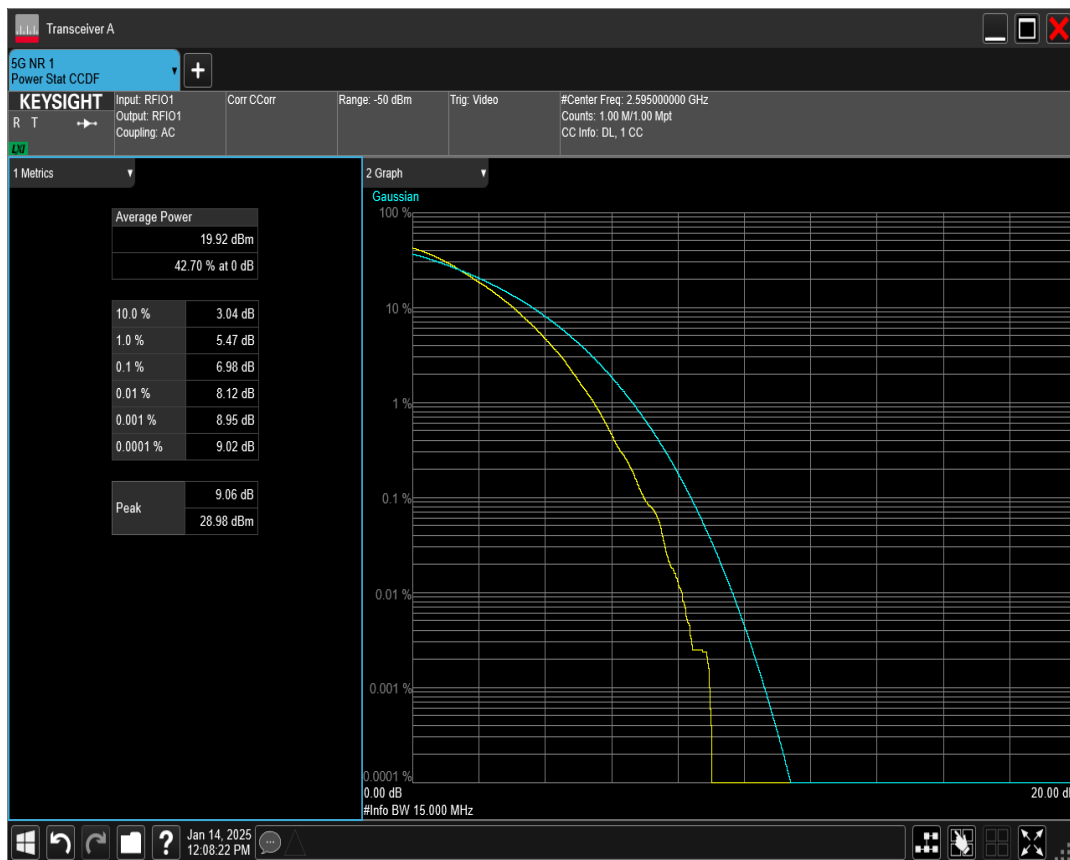
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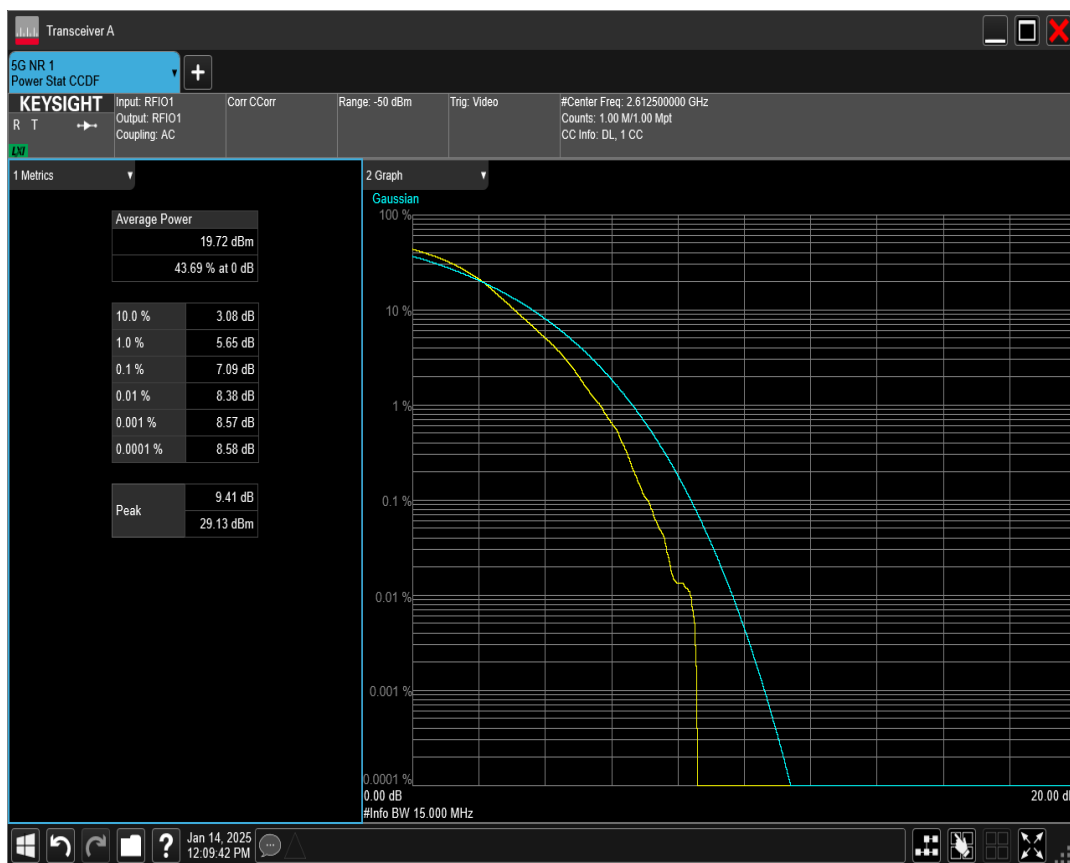
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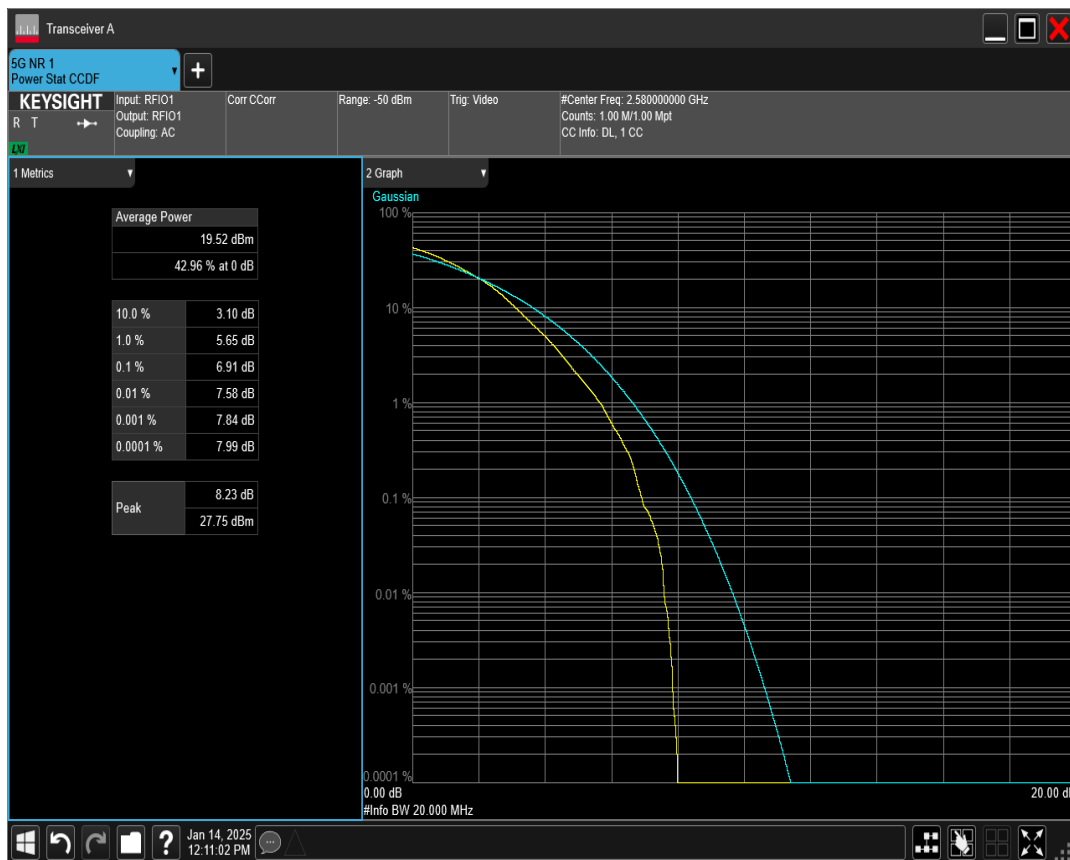
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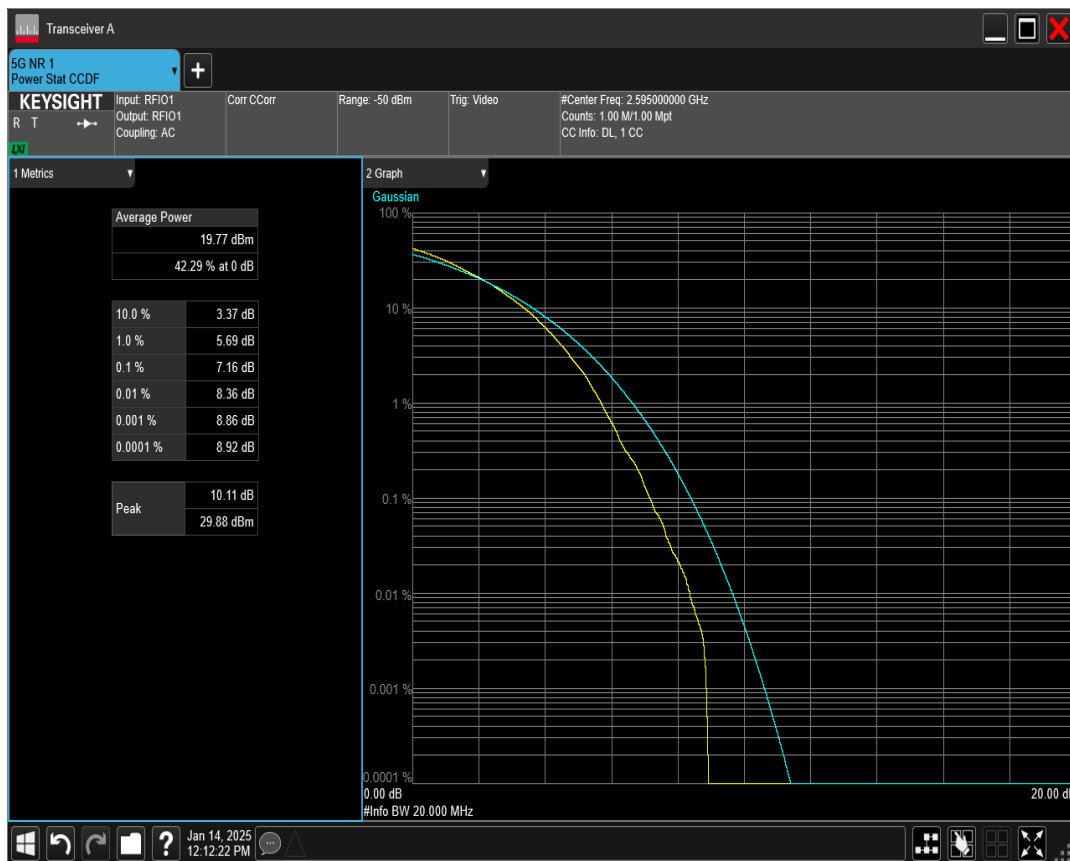
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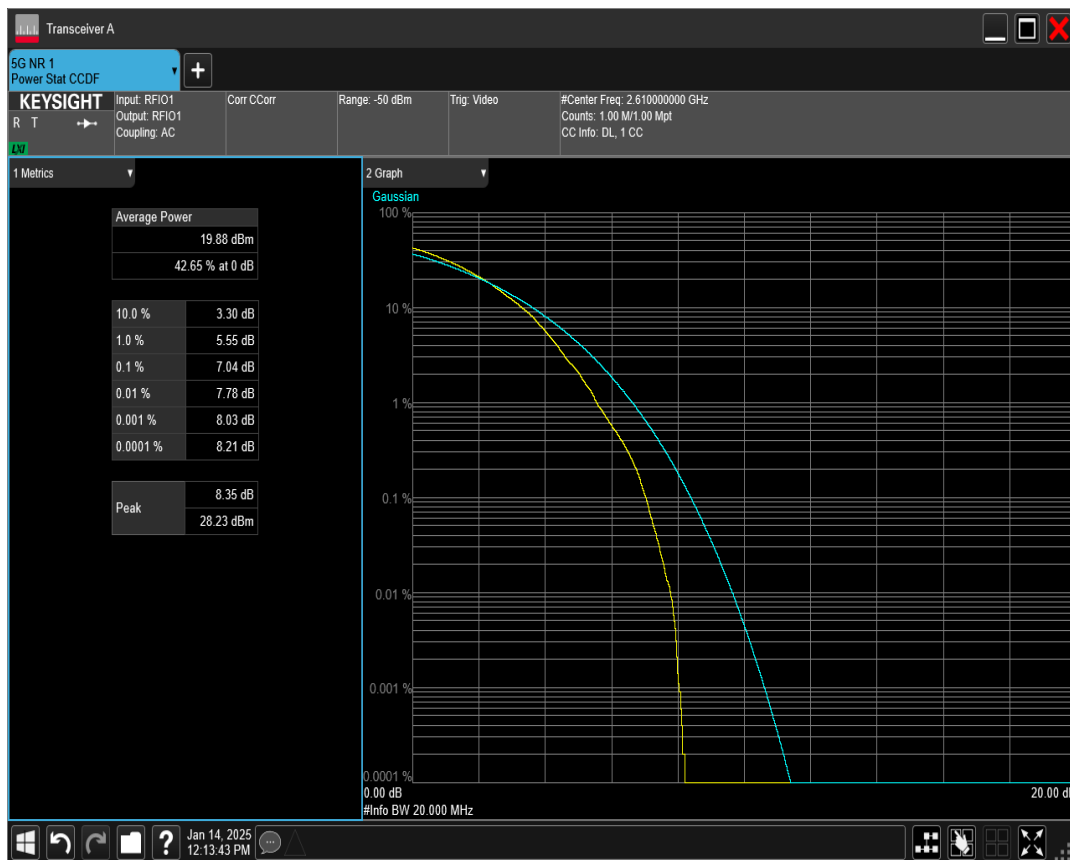
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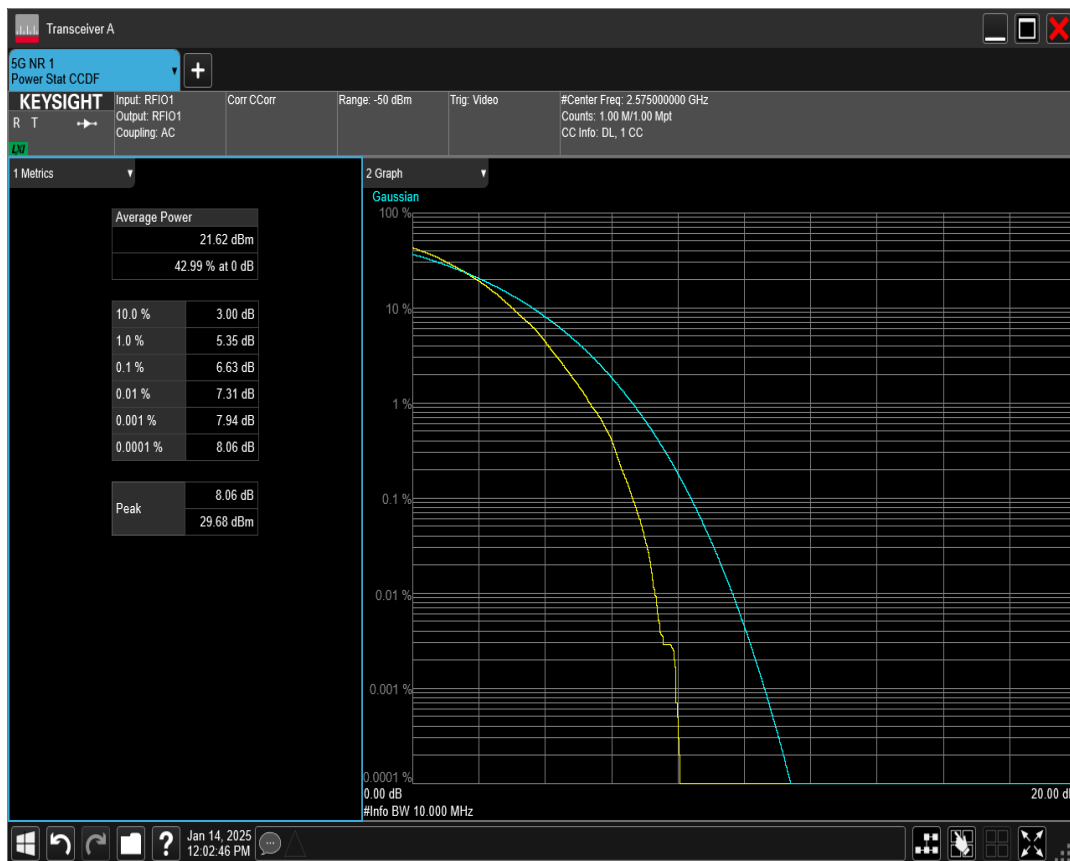
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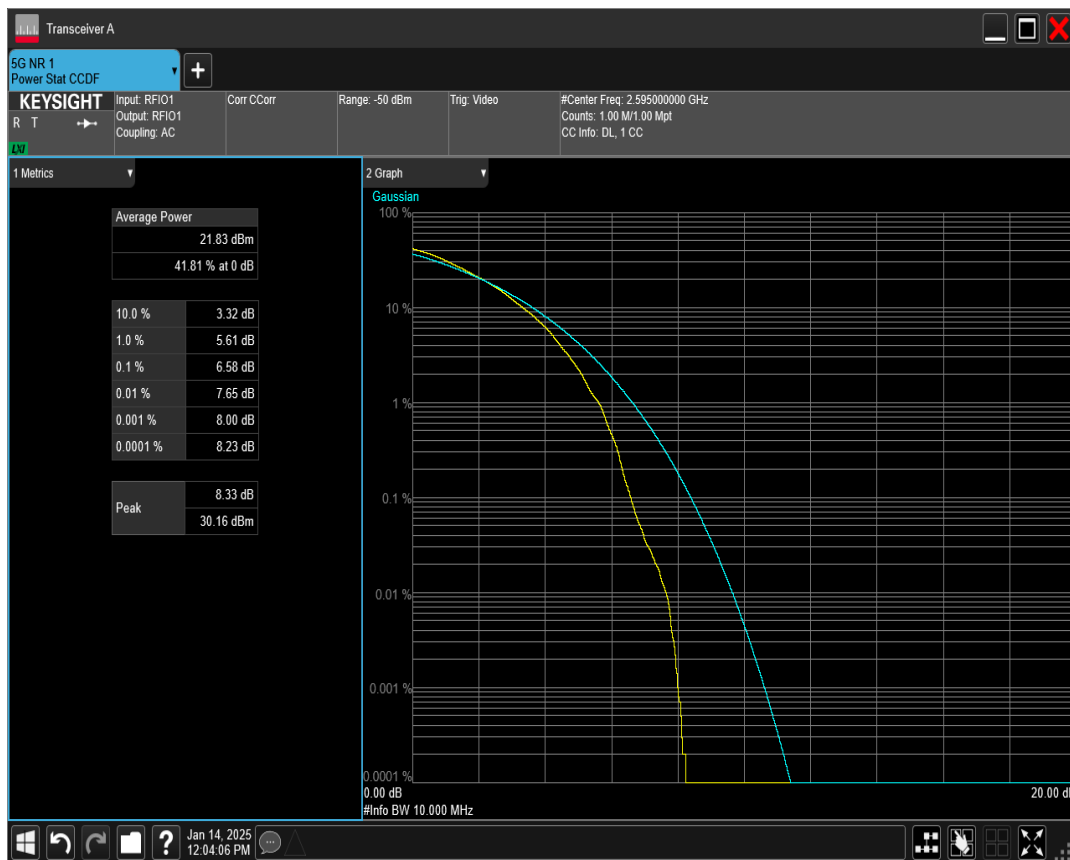
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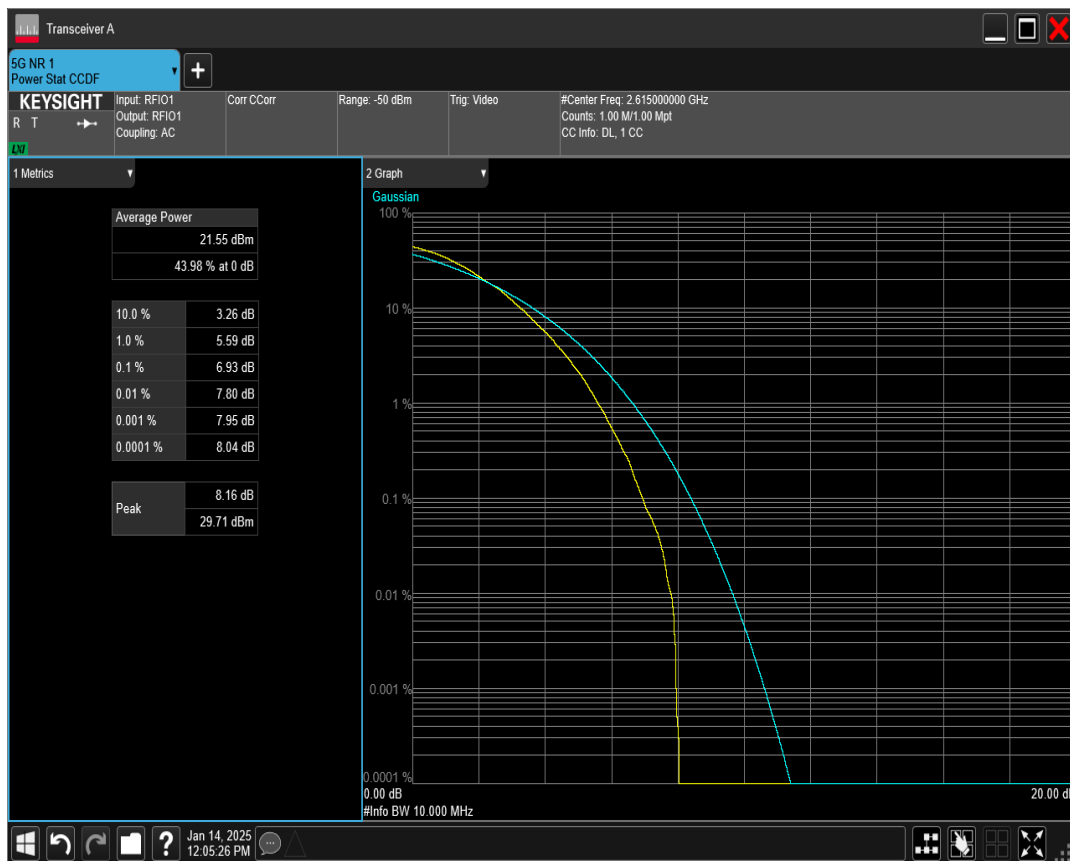
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



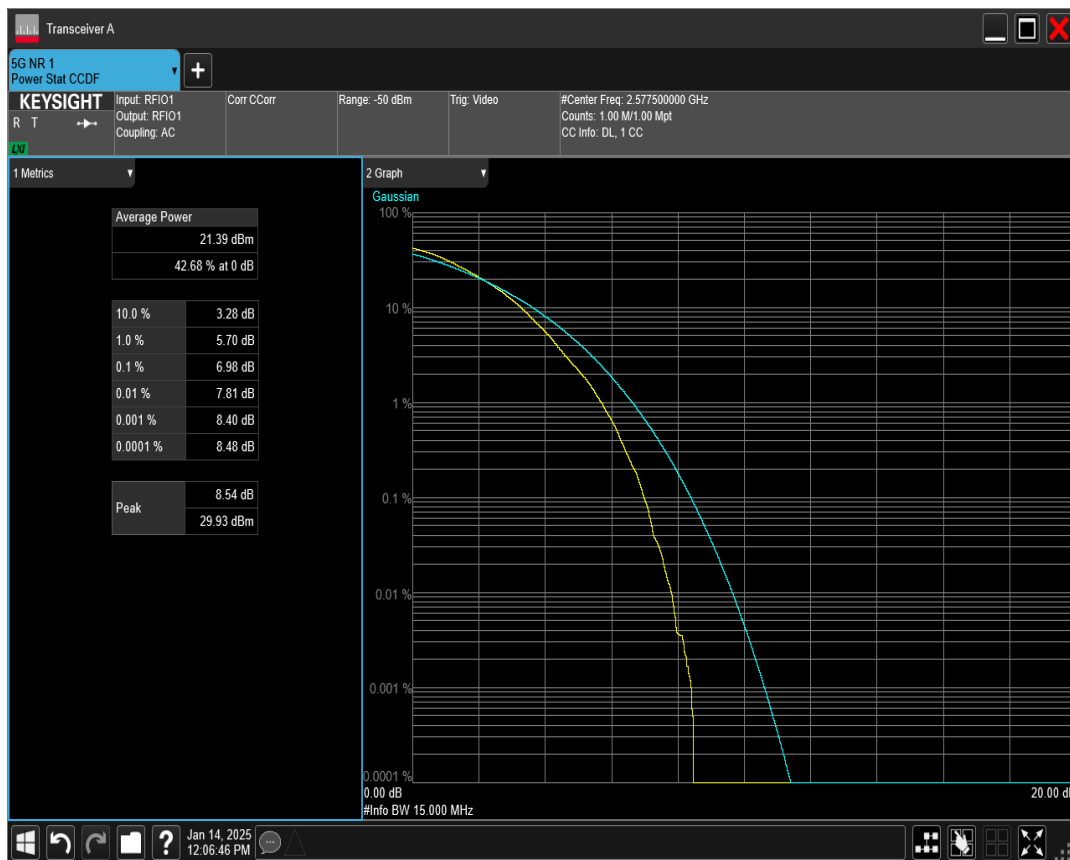
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



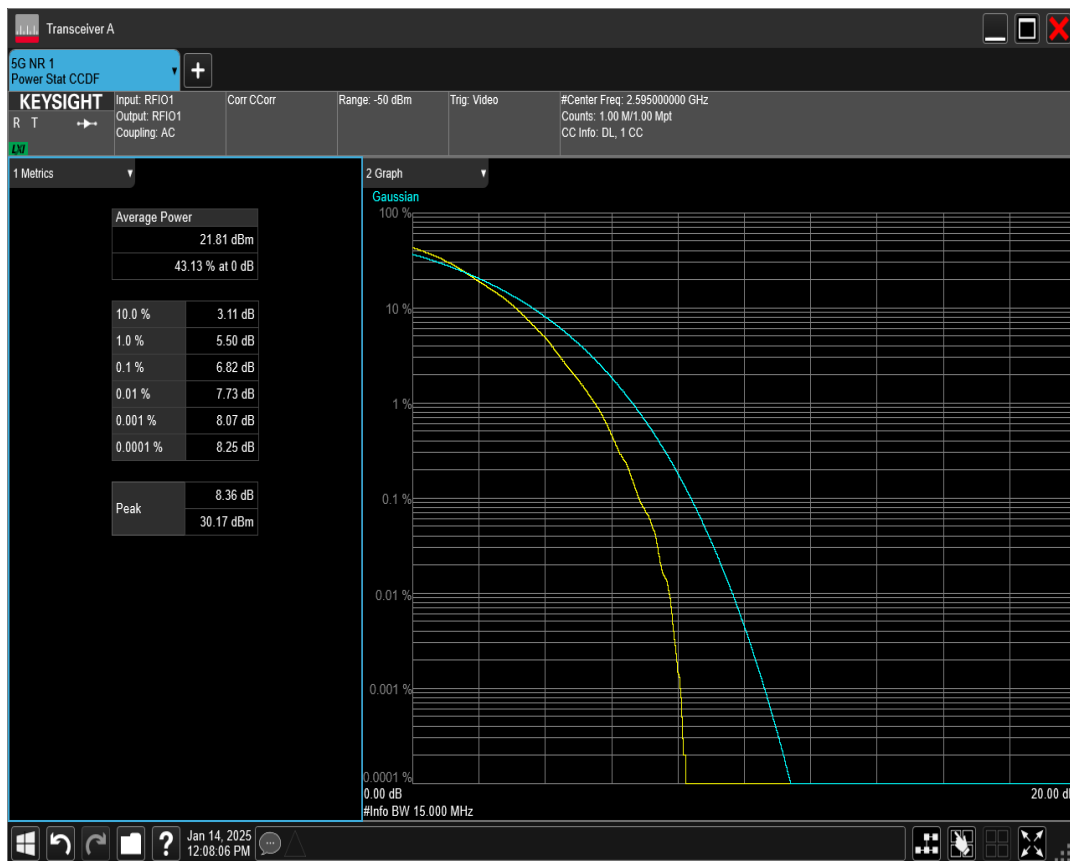
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



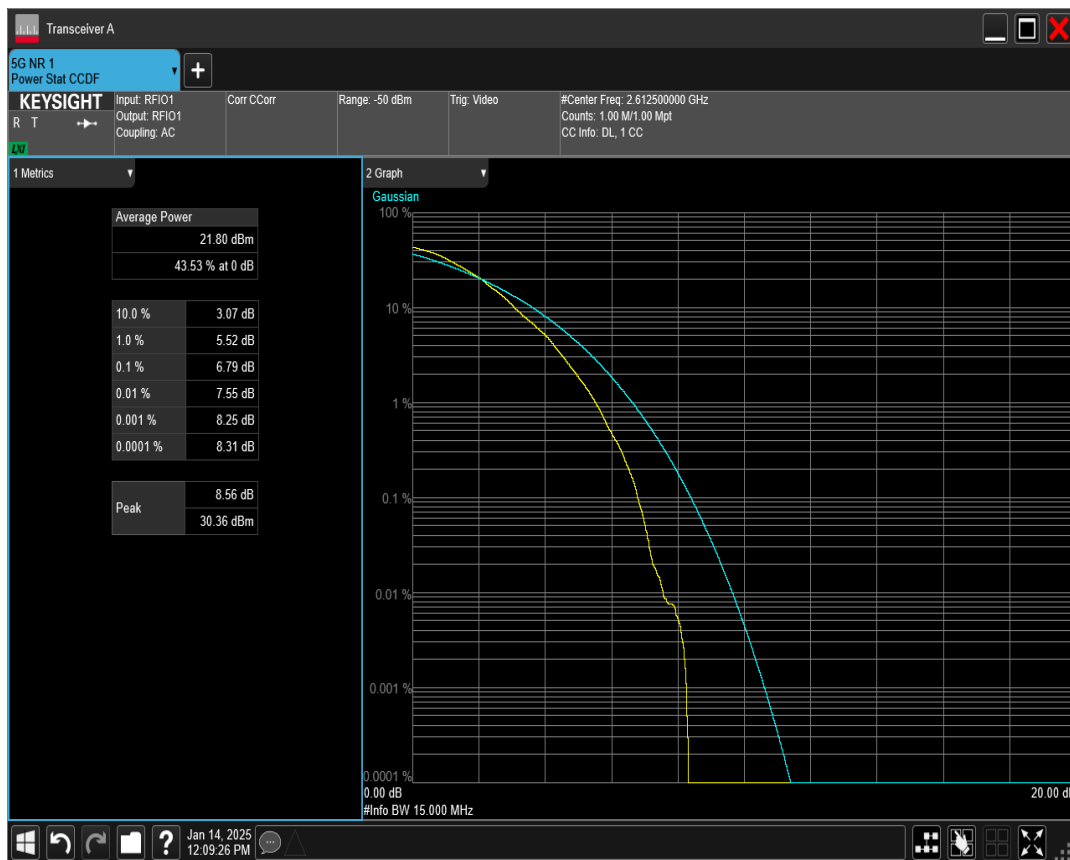
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



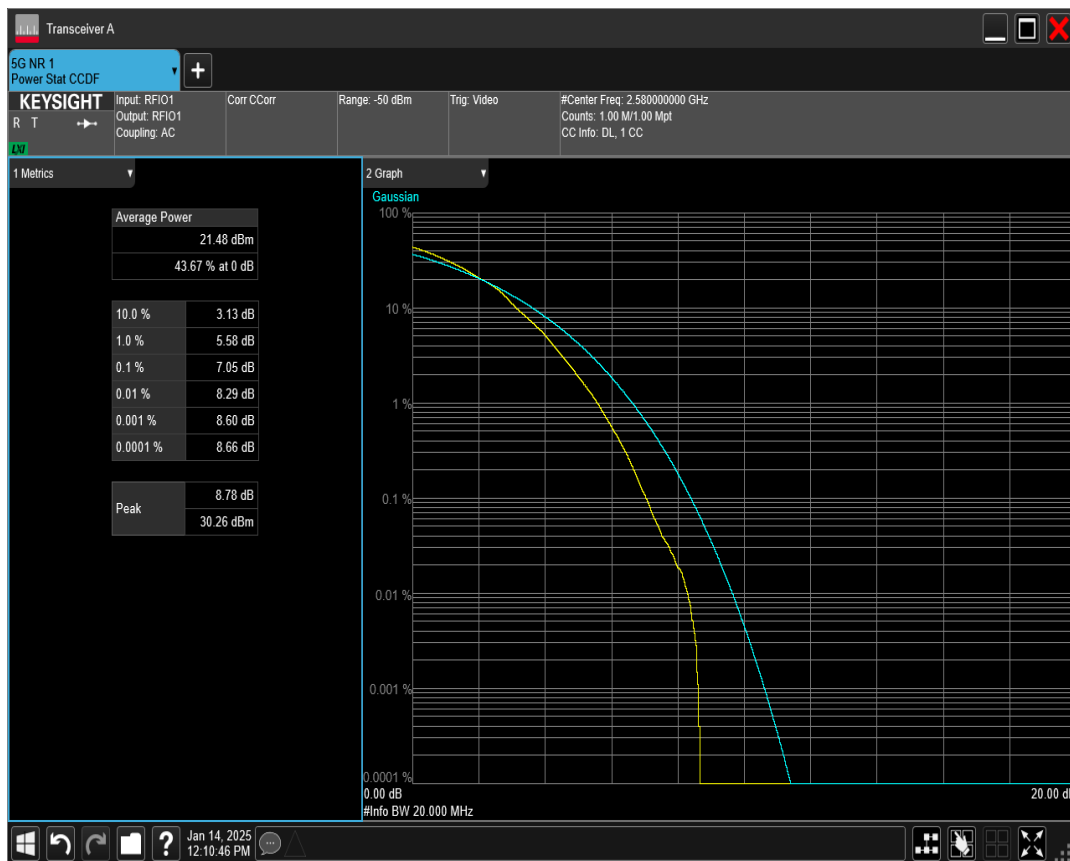
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



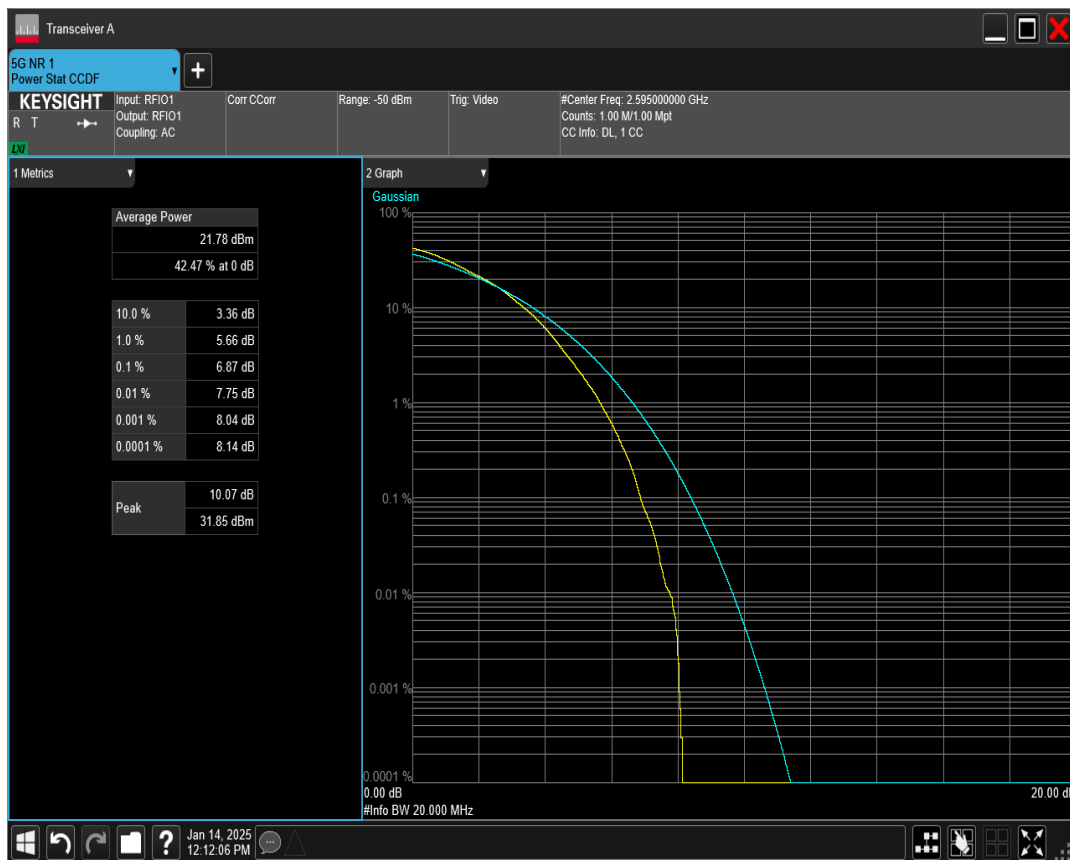
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



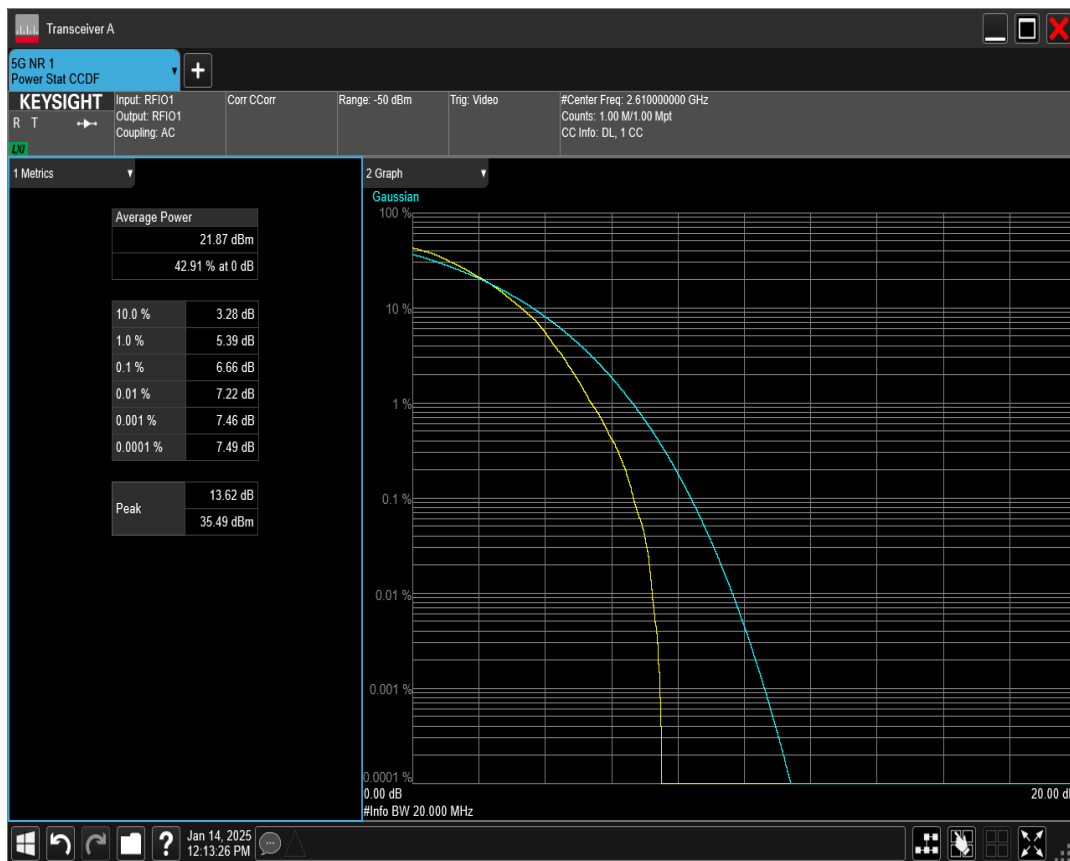
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



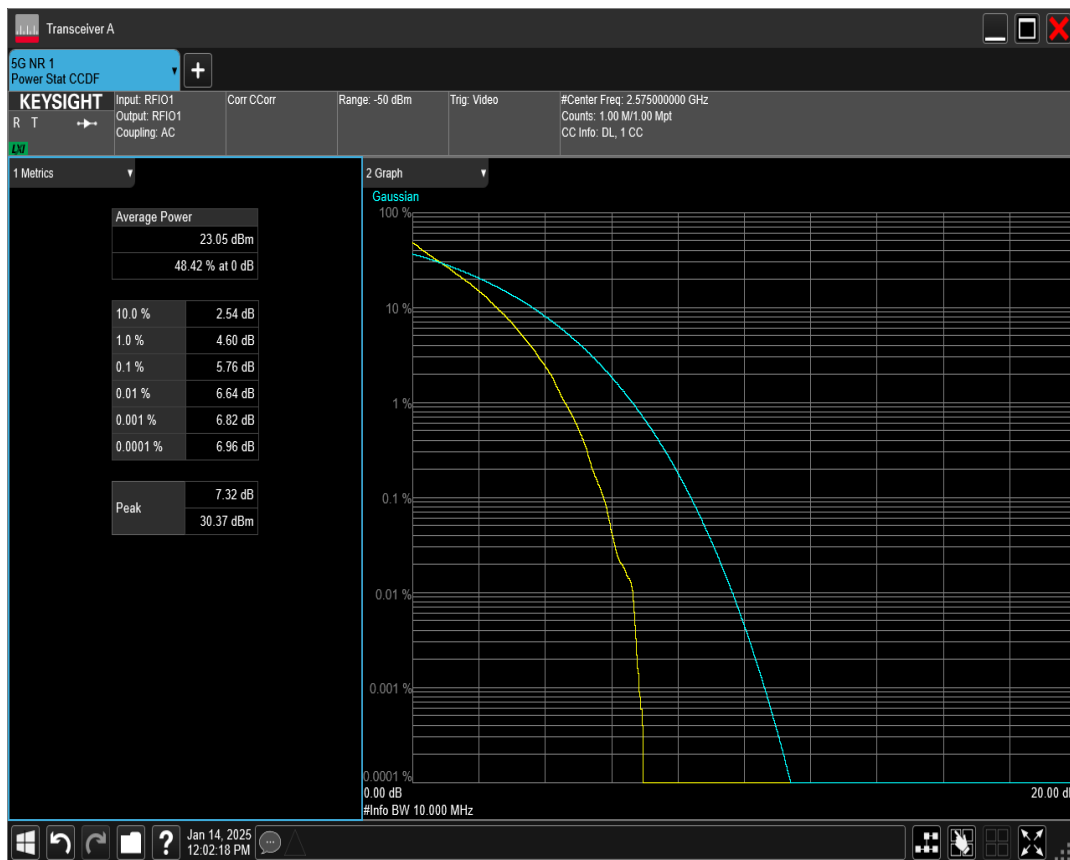
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



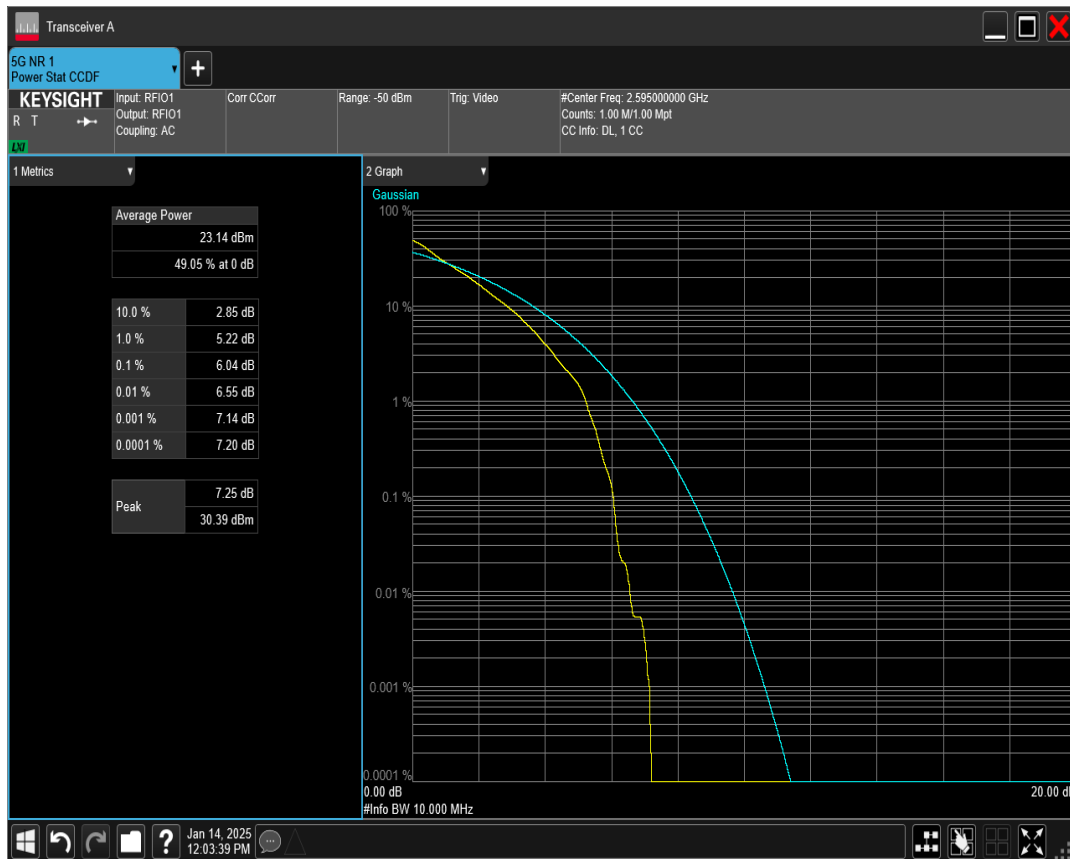
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



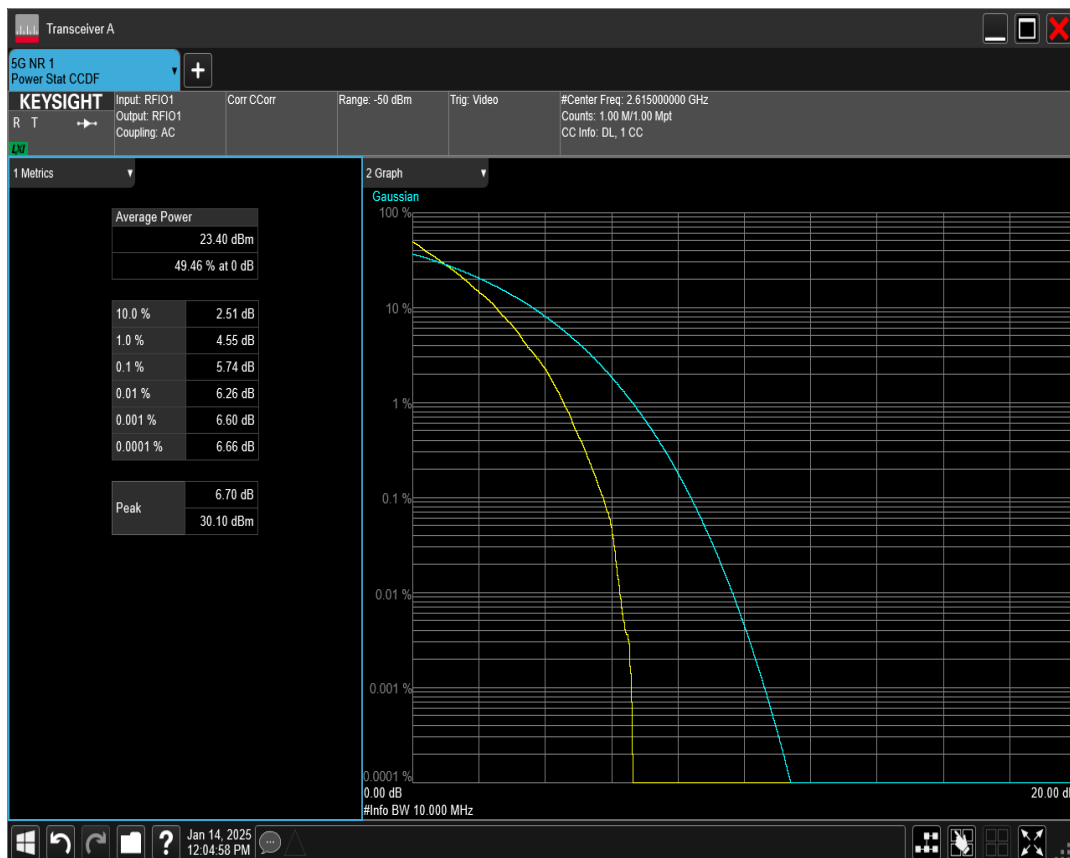
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



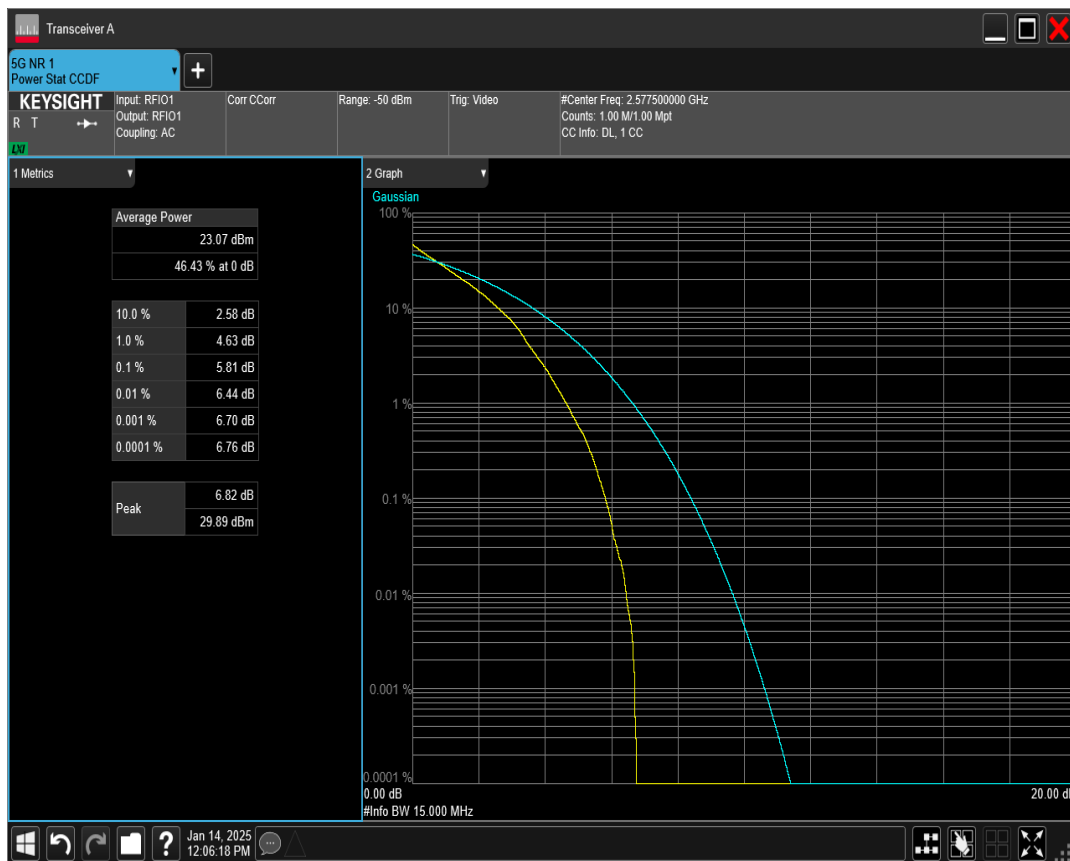
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



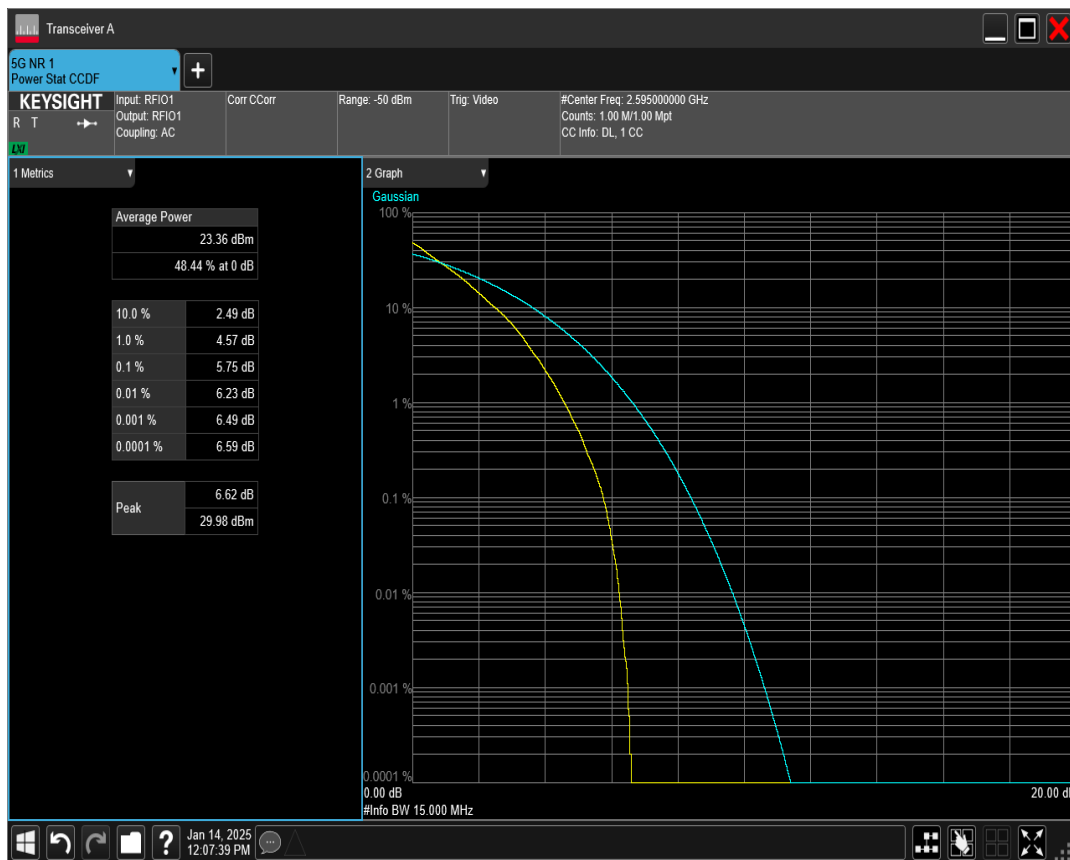
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



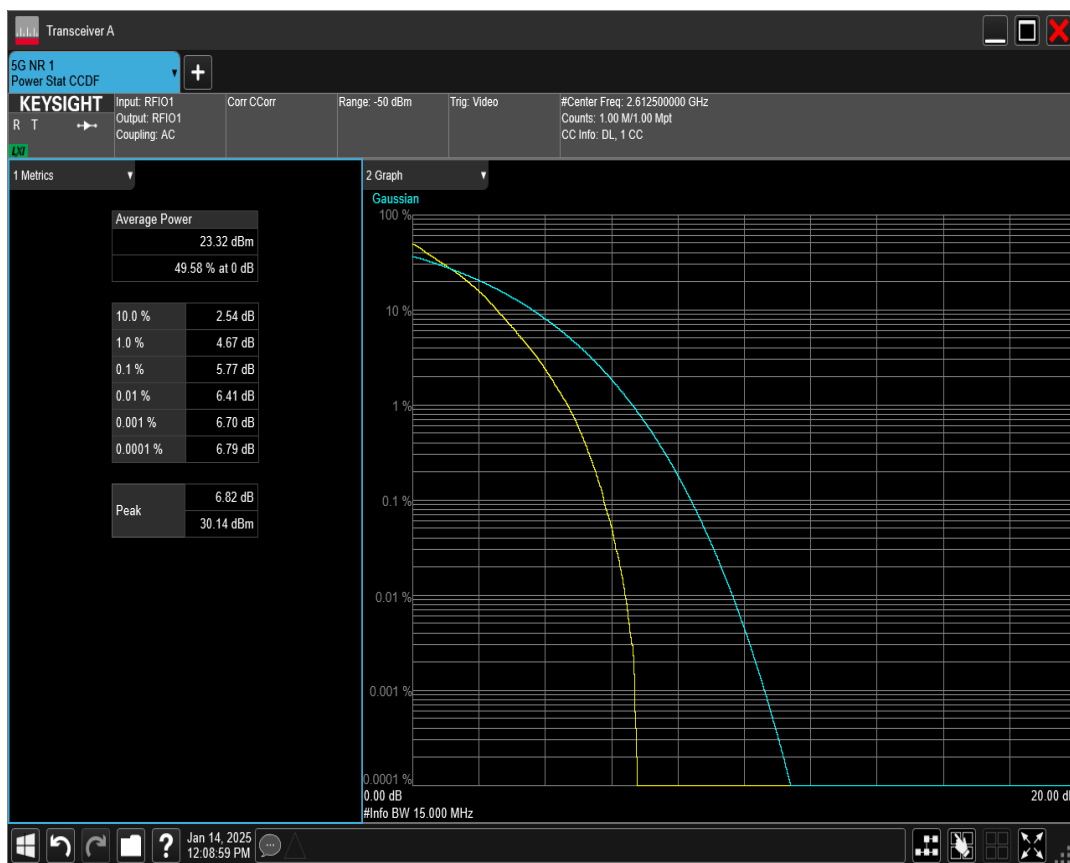
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



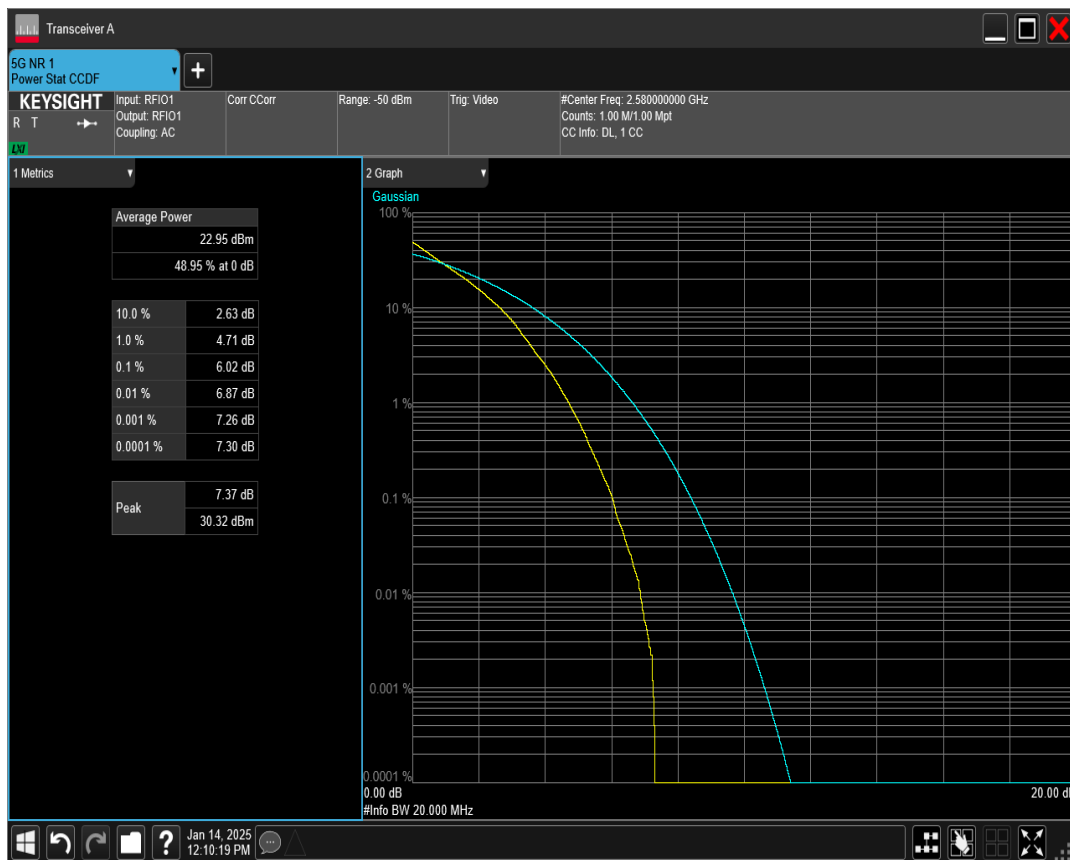
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



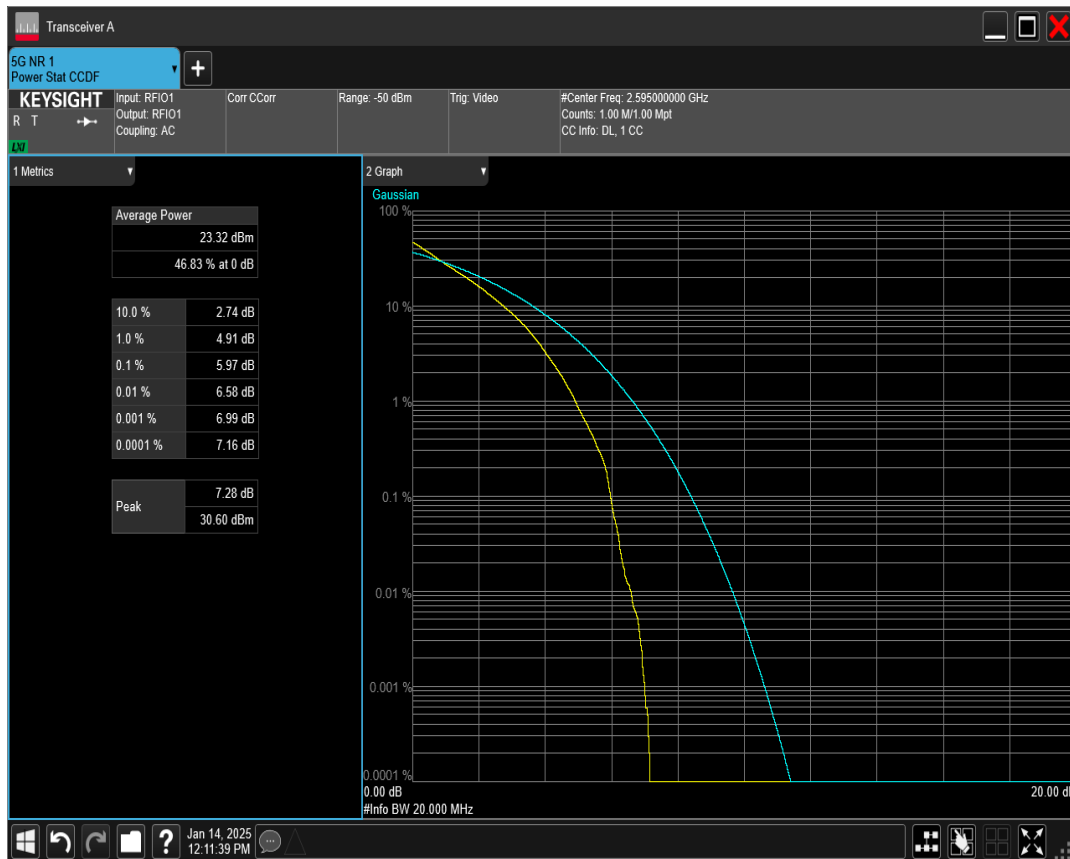
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



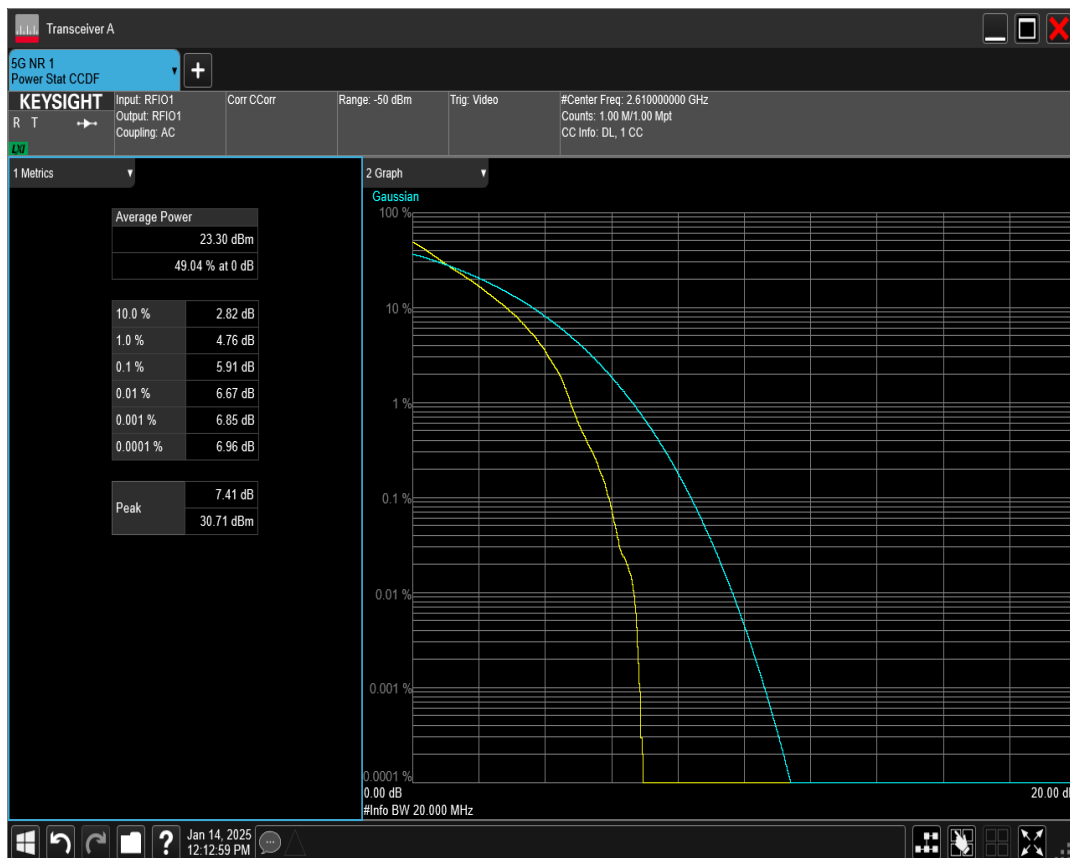
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



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	8.540	8.900	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.560	8.970	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.550	8.910	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.560	8.880	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.560	8.890	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.470	13.300	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.470	13.280	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.410	13.240	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.480	13.220	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.430	13.240	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.010	18.330	PASS
n38	30	20	519000	50@0	DFT_QPSK	17.970	18.360	PASS
n38	30	20	519000	50@0	DFT_QAM16	17.950	18.250	PASS
n38	30	20	519000	50@0	DFT_QAM64	17.910	18.230	PASS
n38	30	20	519000	50@0	DFT_QAM256	17.920	18.320	PASS

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



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



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



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



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



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



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



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



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



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



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



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



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



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



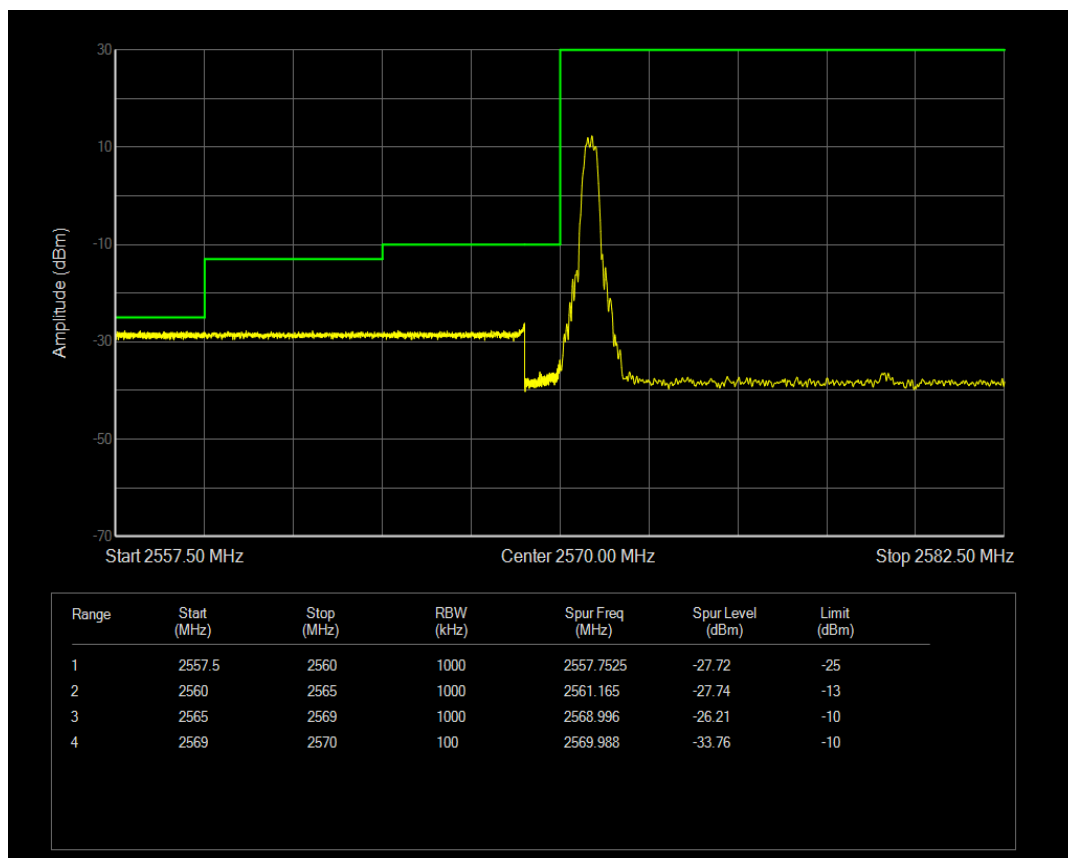
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



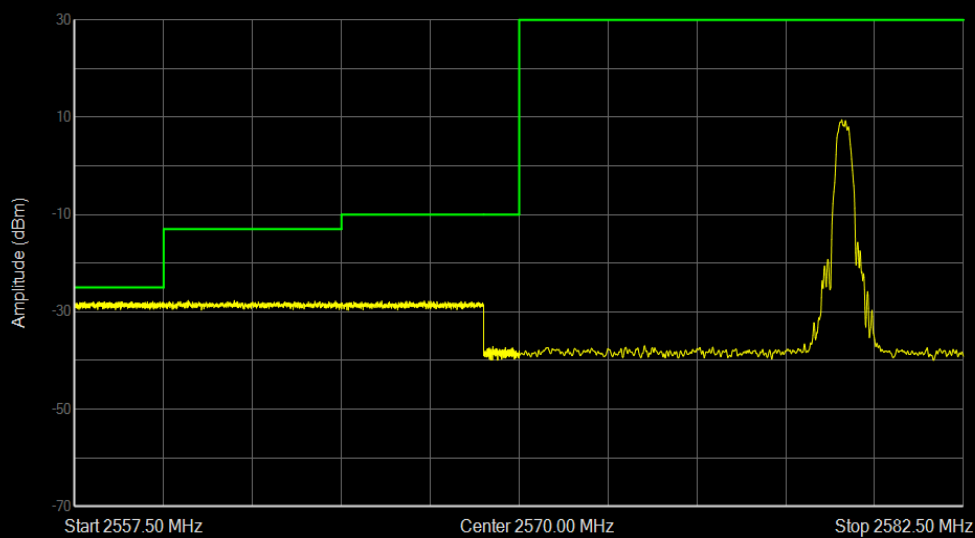
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	2559.69	-27.69	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2557.75	-27.72	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2559.69	-27.89	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2631.21	-27.45	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2631.17	-27.43	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2632.10	-27.48	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2551.87	-27.78	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2552.68	-27.58	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2551.33	-27.76	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2637.37	-27.39	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2635.46	-27.53	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2636.44	-27.49	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2547.74	-27.58	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2549.95	-27.77	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2546.37	-27.85	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2640.37	-27.40	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2642.31	-27.48	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2640.79	-27.51	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0



n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

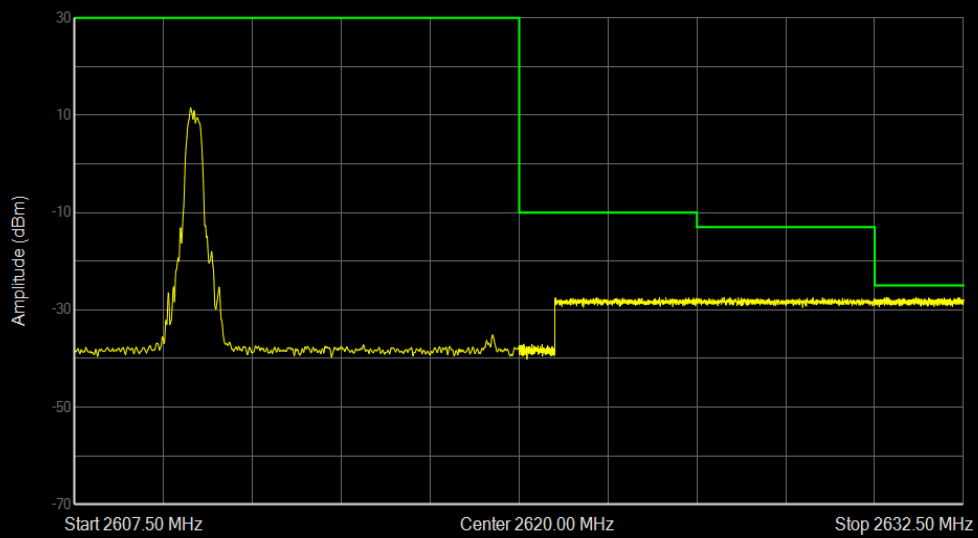


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.69	-27.89	-25
2	2560	2565	1000	2560.685	-27.67	-13
3	2565	2569	1000	2566.132	-27.79	-10
4	2569	2570	100	2569.26	-37.15	-10

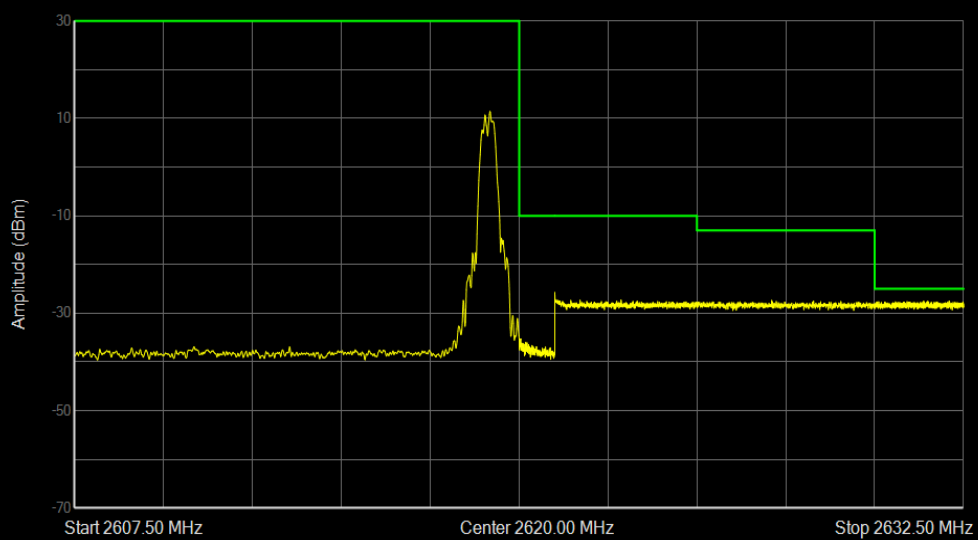
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.6925	-27.69	-25
2	2560	2565	1000	2563.485	-26.92	-13
3	2565	2569	1000	2568.58	-24.57	-10
4	2569	2570	200	2569.089	-31.33	-10

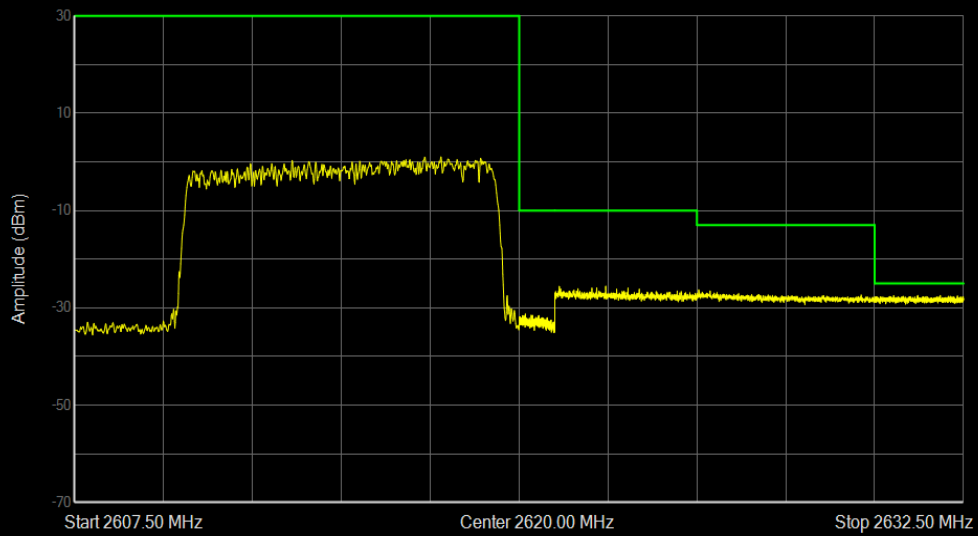
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.126	-37.06	-10
3	2621	2625	1000	2623.944	-27.47	-10
4	2625	2630	1000	2625.76	-27.44	-13
5	2630	2632.5	1000	2631.165	-27.43	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.039	-35.27	-10
3	2621	2625	1000	2621.004	-26.91	-10
4	2625	2630	1000	2627.1	-27.37	-13
5	2630	2632.5	1000	2632.095	-27.48	-25

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



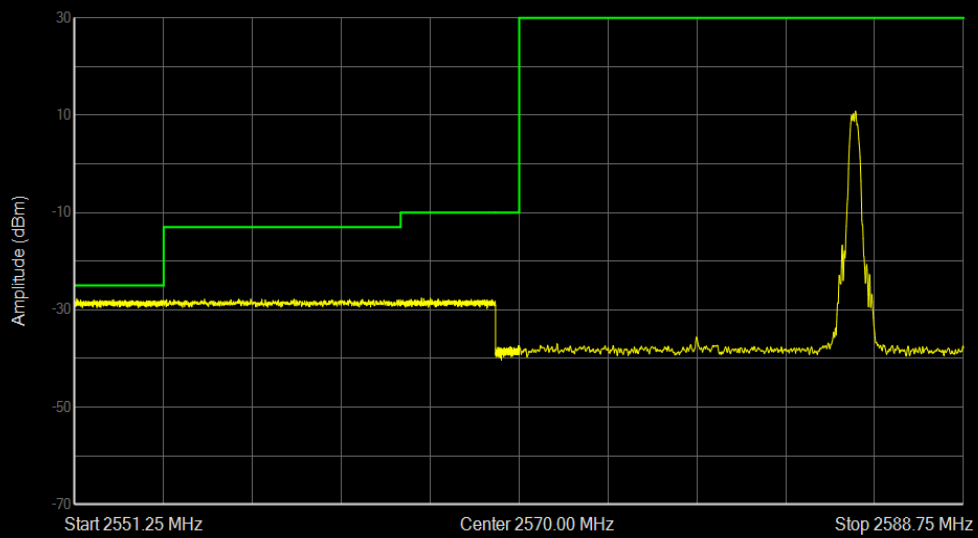
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.173	-31.26	-10
3	2621	2625	1000	2622.432	-25.56	-10
4	2625	2630	1000	2625.05	-26.3	-13
5	2630	2632.5	1000	2631.21	-27.45	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.67875	-27.58	-25
2	2555	2565	1000	2564.02	-27.75	-13
3	2565	2569	1000	2568.972	-24.28	-10
4	2569	2570	100	2569.982	-32.68	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37



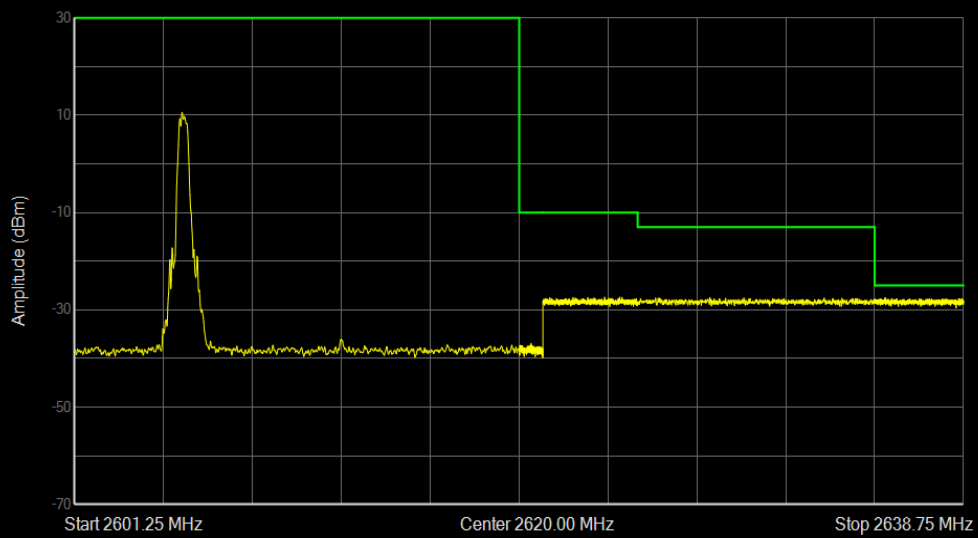
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2551.3325	-27.76	-25
2	2555	2565	1000	2558.17	-27.8	-13
3	2565	2569	1000	2565.876	-27.56	-10
4	2569	2570	100	2569.958	-37.39	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2551.865	-27.78	-25
2	2555	2565	1000	2564.69	-26.72	-13
3	2565	2569	1000	2568.34	-25.51	-10
4	2569	2570	300	2569.158	-30.46	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.5	-36.94	-10
3	2621	2625	1000	2624.236	-27.4	-10
4	2625	2635	1000	2628.04	-27.47	-13
5	2635	2638.75	1000	2635.4575	-27.53	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.016	-31.99	-10
3	2621	2625	1000	2621.032	-25.42	-10
4	2625	2635	1000	2627.58	-27.46	-13
5	2635	2638.75	1000	2636.43625	-27.49	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0



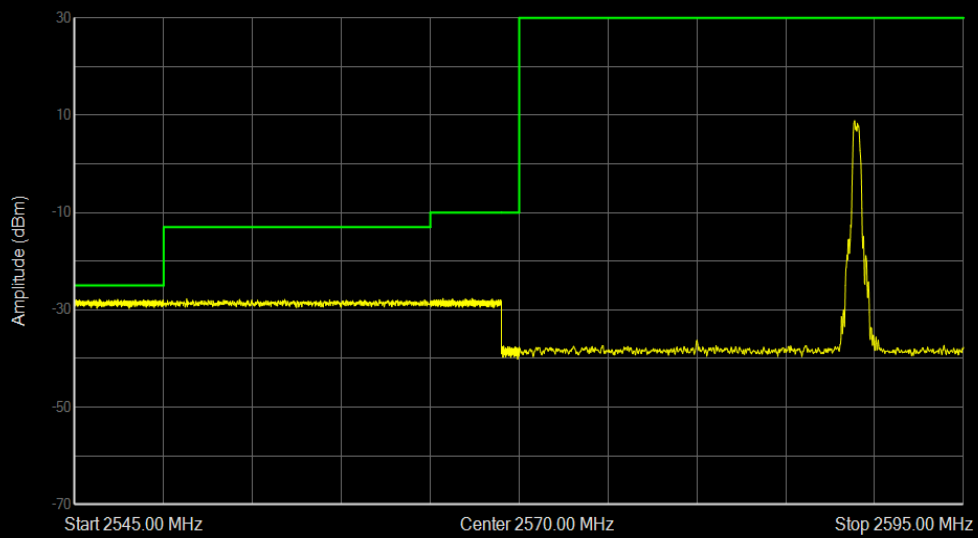
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.001	-30.7	-10
3	2621	2625	1000	2621.18	-25.24	-10
4	2625	2635	1000	2625.5	-26.73	-13
5	2635	2638.75	1000	2637.37	-27.39	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0



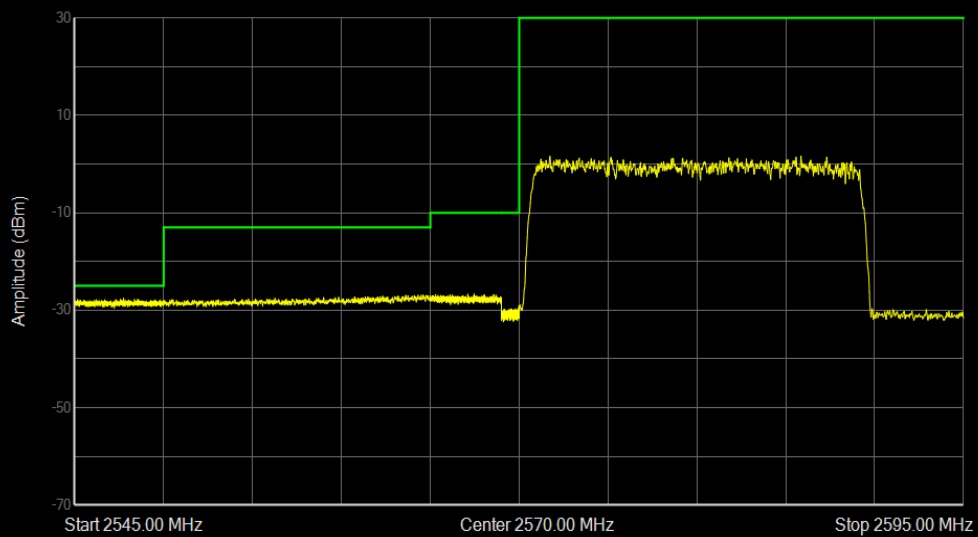
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.945	-27.77	-25
2	2550	2565	1000	2558.52	-27.66	-13
3	2565	2569	1000	2568.98	-27.42	-10
4	2569	2570	100	2569.739	-36.94	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50



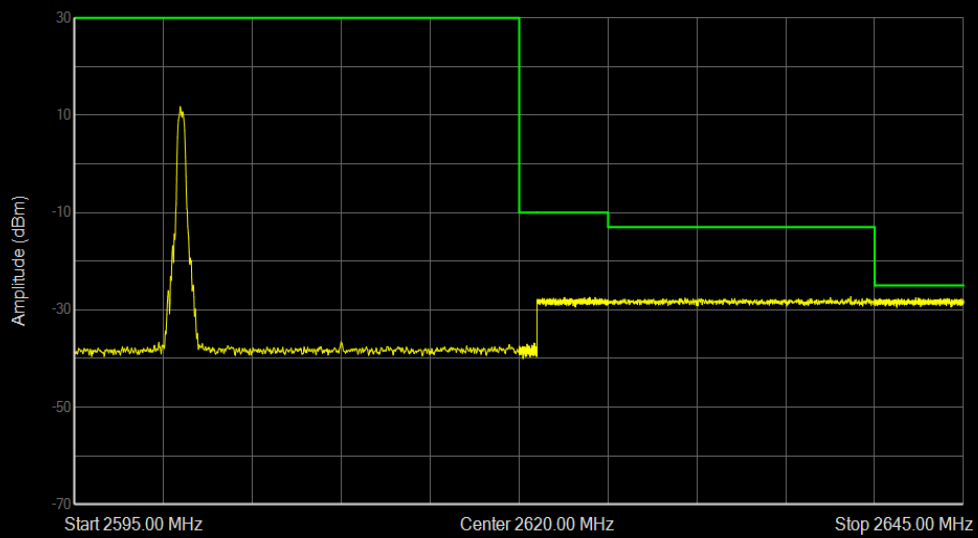
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2546.37	-27.85	-25
2	2550	2565	1000	2551.29	-27.76	-13
3	2565	2569	1000	2565.712	-27.67	-10
4	2569	2570	100	2569.127	-37.49	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



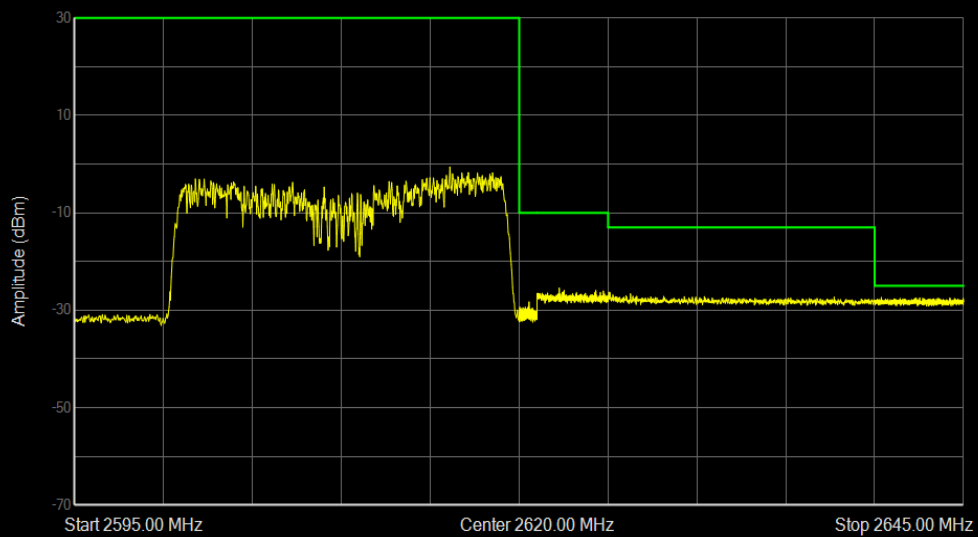
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2547.74	-27.58	-25
2	2550	2565	1000	2564.565	-26.86	-13
3	2565	2569	1000	2567.464	-26.65	-10
4	2569	2570	430	2569.989	-29.07	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.835	-36.86	-10
3	2621	2625	1000	2623.956	-27.42	-10
4	2625	2640	1000	2638.65	-27.26	-13
5	2640	2645	1000	2642.31	-27.48	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	430	2620.553	-28.29	-10
3	2621	2625	1000	2622.252	-25.44	-10
4	2625	2640	1000	2625.045	-26.31	-13
5	2640	2645	1000	2640.37	-27.4	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50

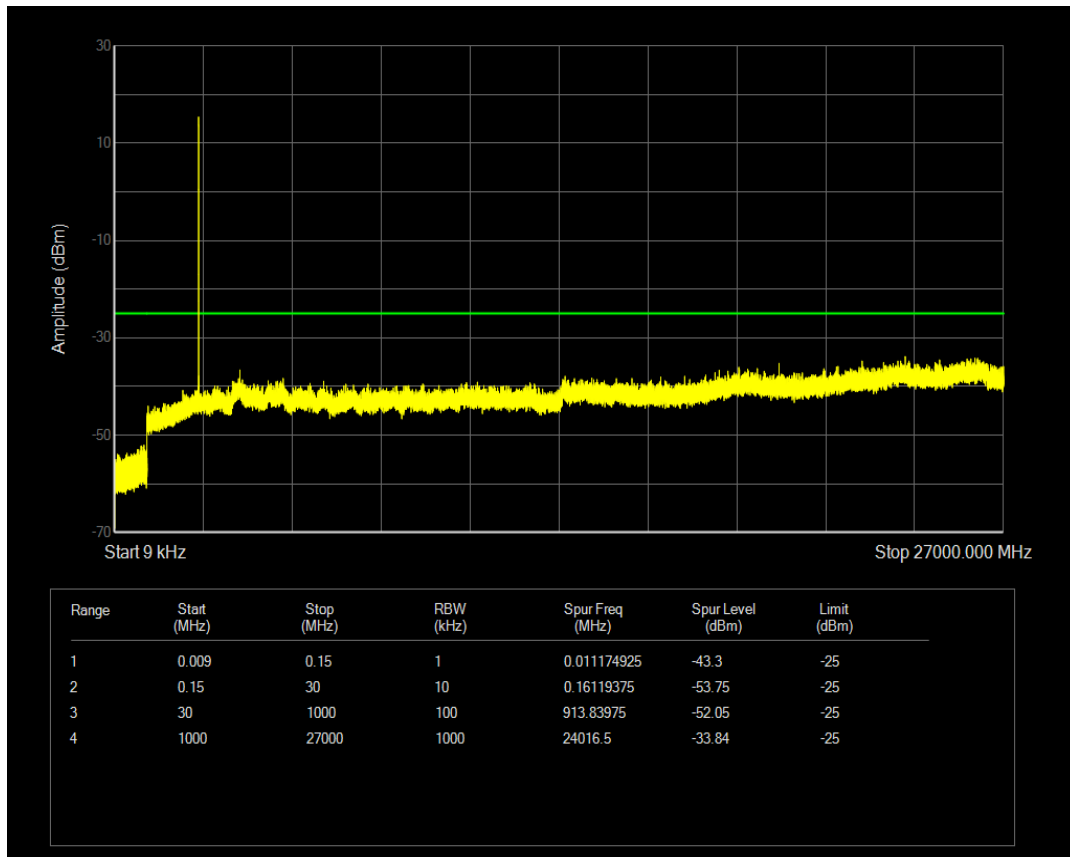


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.351	-36.51	-10
3	2621	2625	1000	2621.912	-27.47	-10
4	2625	2640	1000	2625.915	-27.37	-13
5	2640	2645	1000	2640.79	-27.51	-25

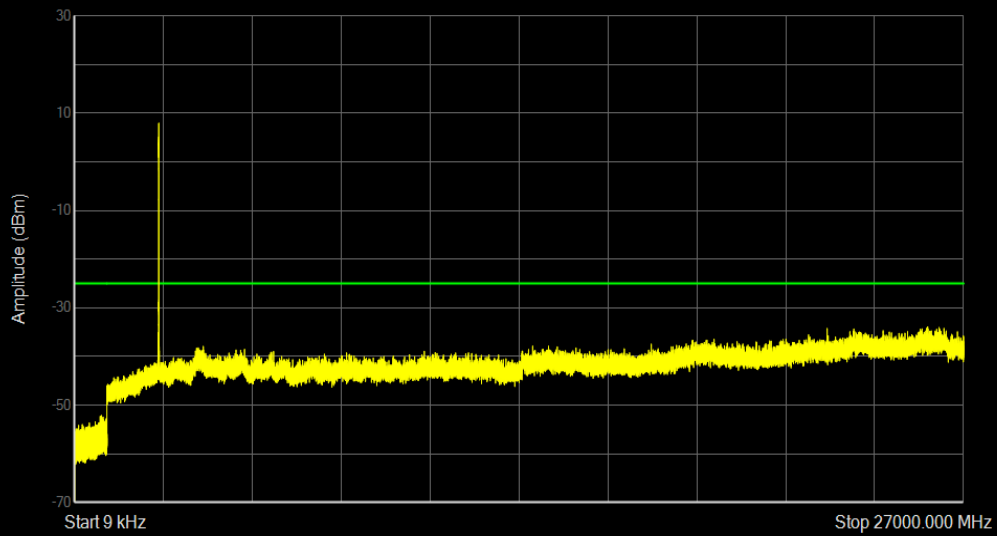
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	25910.60	-33.90	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	24016.50	-33.84	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	23627.80	-33.47	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	25885.90	-33.61	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	26383.15	-33.56	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	26281.75	-33.17	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	25550.50	-34.15	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	25787.75	-33.86	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	25832.60	-34.12	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	25792.30	-33.77	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	23635.60	-33.79	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	25625.90	-33.33	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	23803.30	-33.64	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	25379.55	-33.88	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	23907.30	-33.81	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	26229.75	-33.64	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	26305.15	-32.98	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	23838.40	-33.86	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0

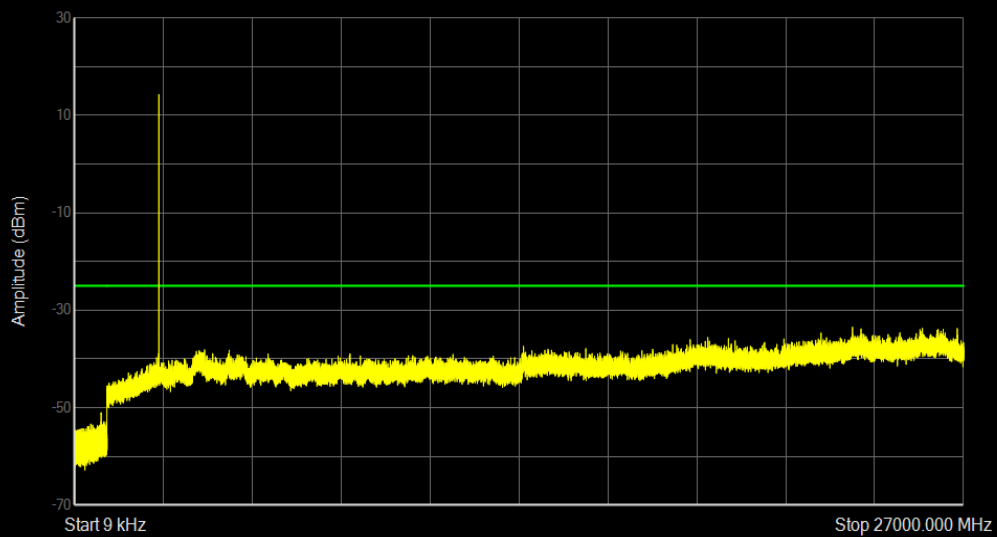


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0

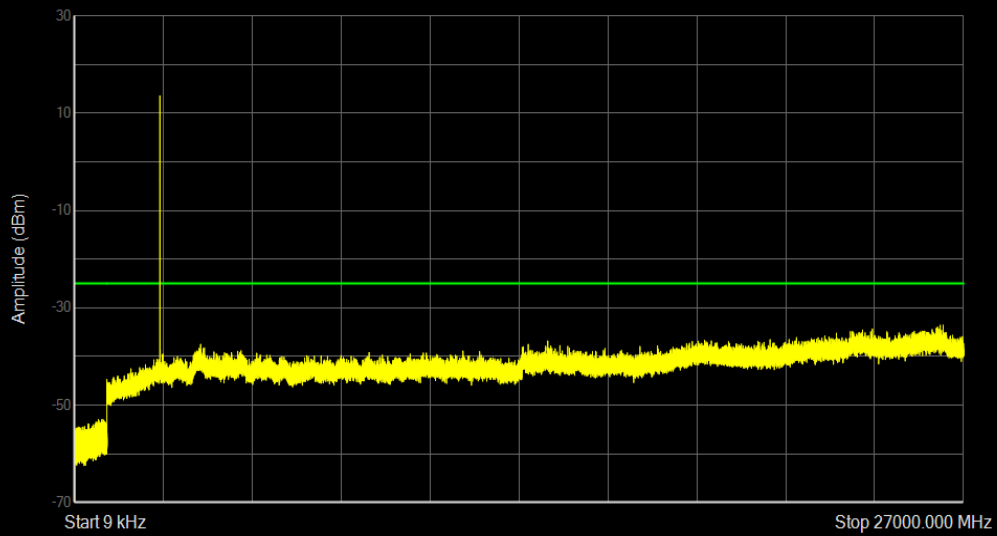


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01694535	-43.75	-25
2	0.15	30	10	0.164925	-55.34	-25
3	30	1000	100	832.94175	-52.12	-25
4	1000	27000	1000	25910.6	-33.9	-25

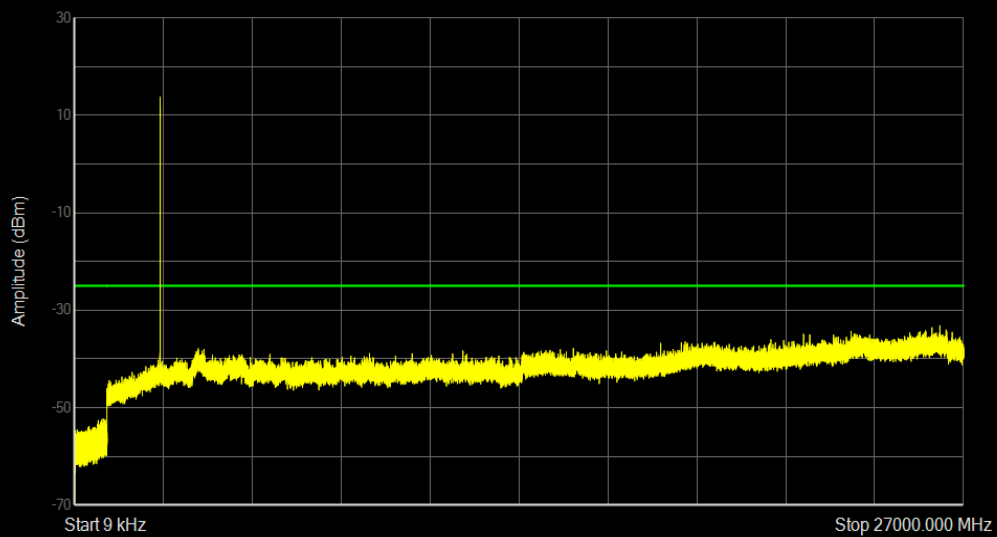
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013621275	-43.02	-25
2	0.15	30	10	0.16268625	-53.65	-25
3	30	1000	100	825.42425	-51.05	-25
4	1000	27000	1000	23627.8	-33.47	-25

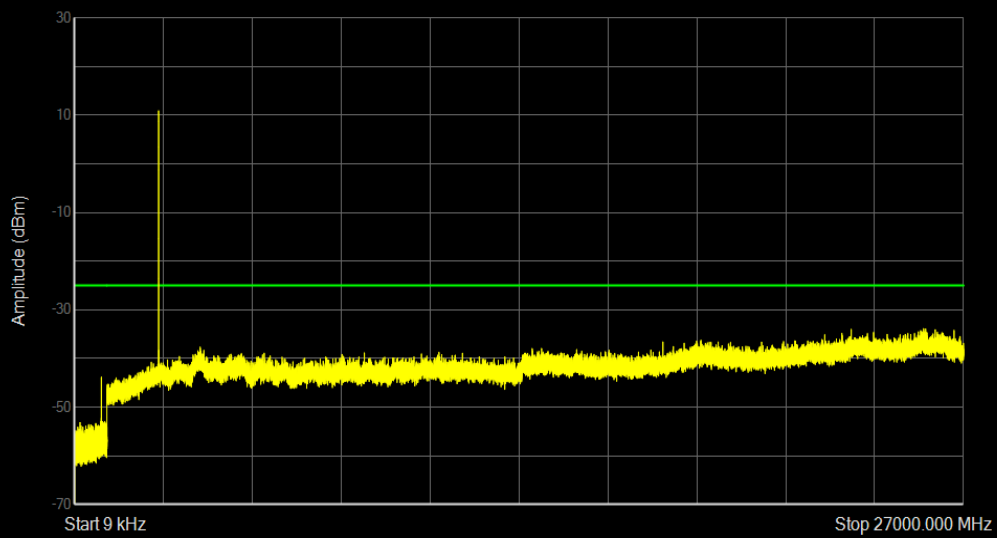
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01538025	-44.05	-25
2	0.15	30	10	0.1694025	-53.8	-25
3	30	1000	100	854.62125	-52.91	-25
4	1000	27000	1000	26383.15	-33.56	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23

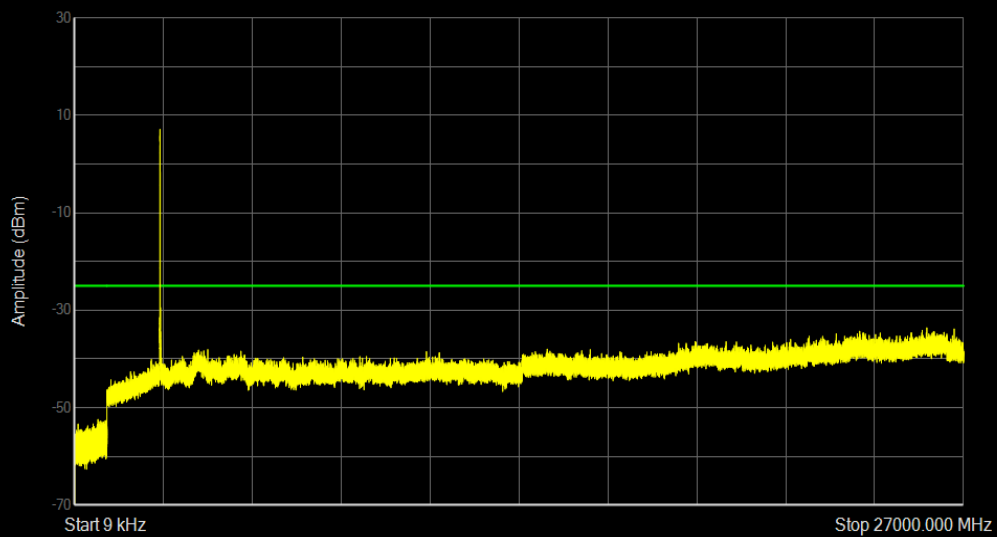
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014988975	-42.94	-25
2	0.15	30	10	0.15074625	-55.27	-25
3	30	1000	100	889.83225	-52.31	-25
4	1000	27000	1000	26281.75	-33.17	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0

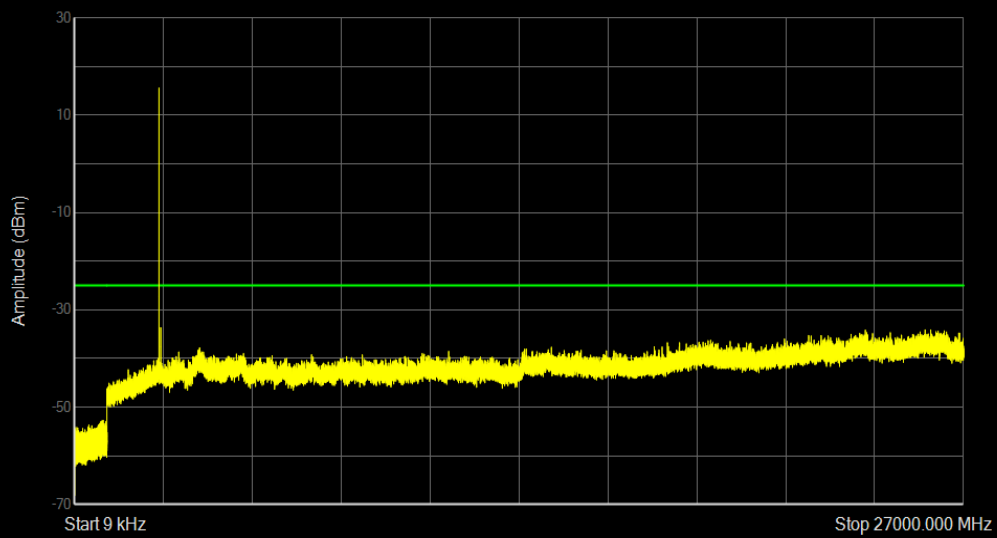


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01397025	-43.3	-25
2	0.15	30	10	0.15671625	-55.05	-25
3	30	1000	100	836.458	-43.83	-25
4	1000	27000	1000	25787.75	-33.86	-25

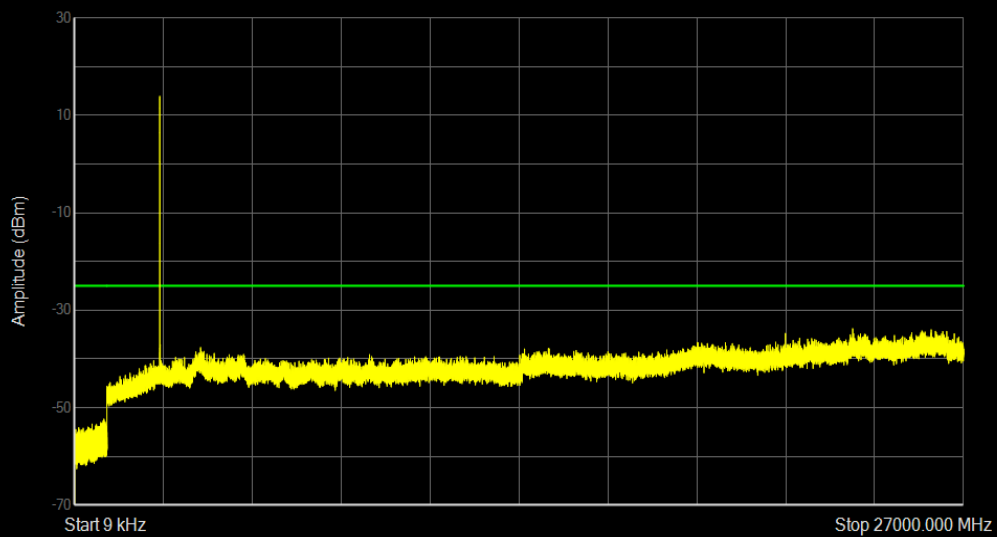
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0



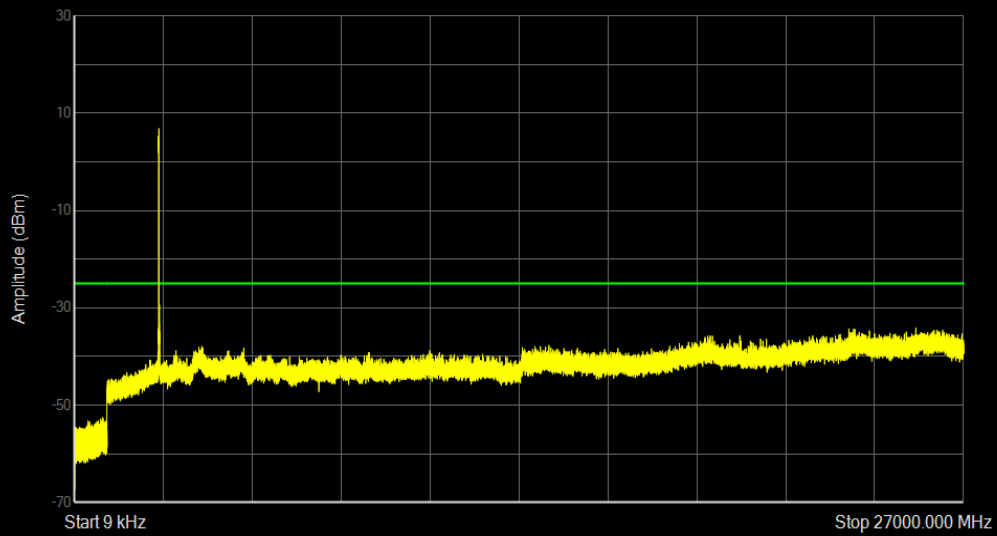
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009828375	-44.12	-25
2	0.15	30	10	0.15223875	-54.12	-25
3	30	1000	100	732.8135	-52.42	-25
4	1000	27000	1000	25885.9	-33.61	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37

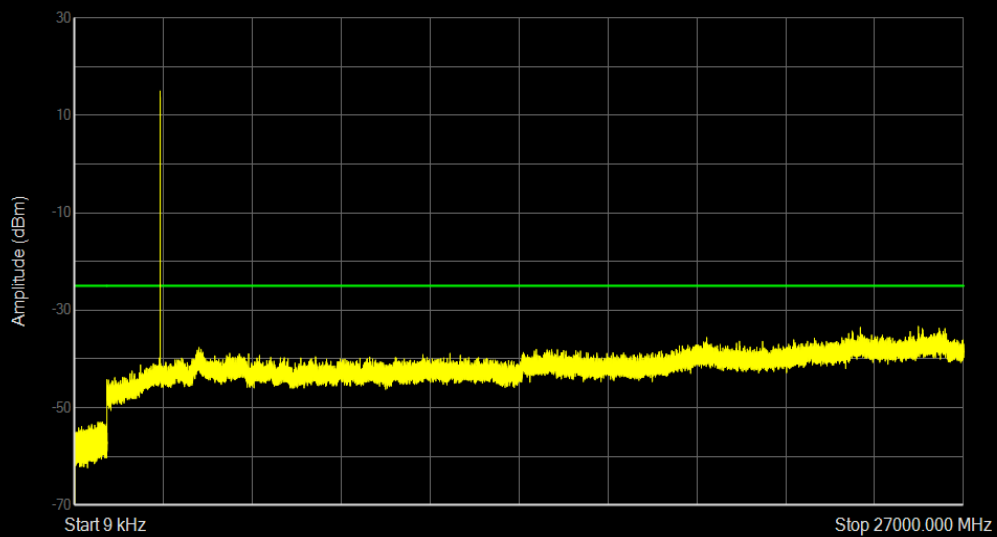
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00969795	-45.35	-25
2	0.15	30	10	0.17611875	-54.06	-25
3	30	1000	100	888.838	-52.74	-25
4	1000	27000	1000	25832.6	-34.12	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0

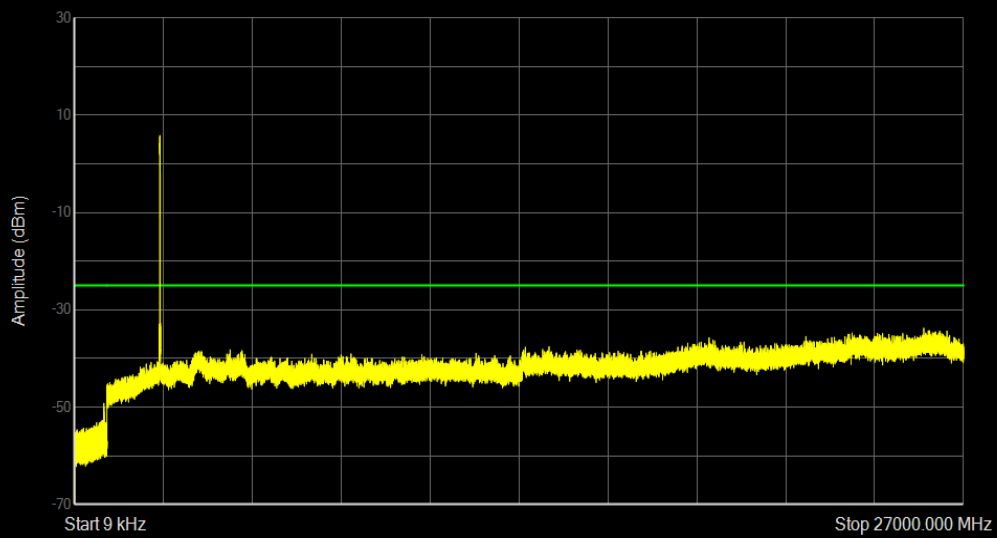
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090282	-44.38	-25
2	0.15	30	10	0.16268625	-54.33	-25
3	30	1000	100	911.924	-52.35	-25
4	1000	27000	1000	23635.6	-33.79	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0

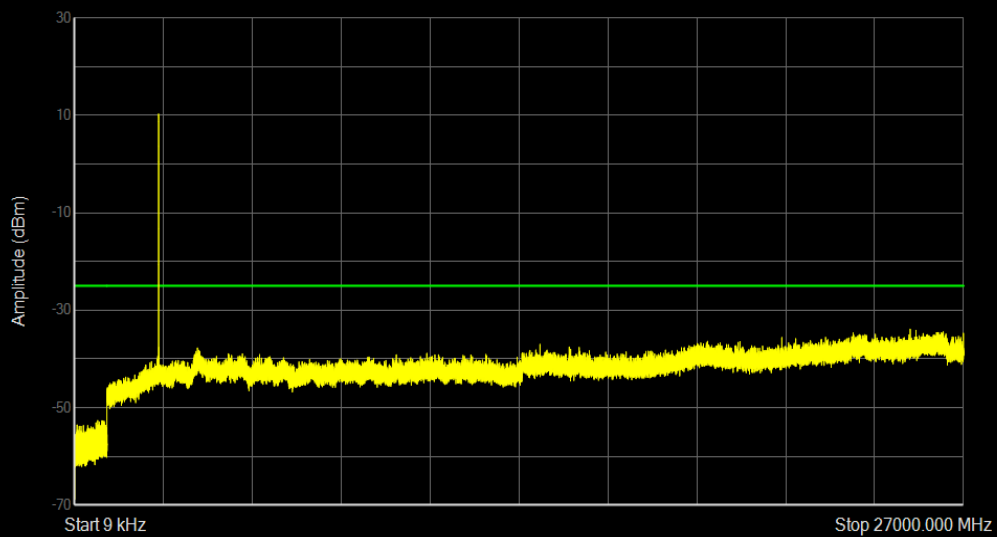
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00906345	-42.23	-25
2	0.15	30	10	0.17014875	-55.62	-25
3	30	1000	100	876.30075	-52.51	-25
4	1000	27000	1000	25550.5	-34.15	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012570825	-44.42	-25
2	0.15	30	10	0.16268625	-54.6	-25
3	30	1000	100	866.11575	-52.94	-25
4	1000	27000	1000	25625.9	-33.33	-25

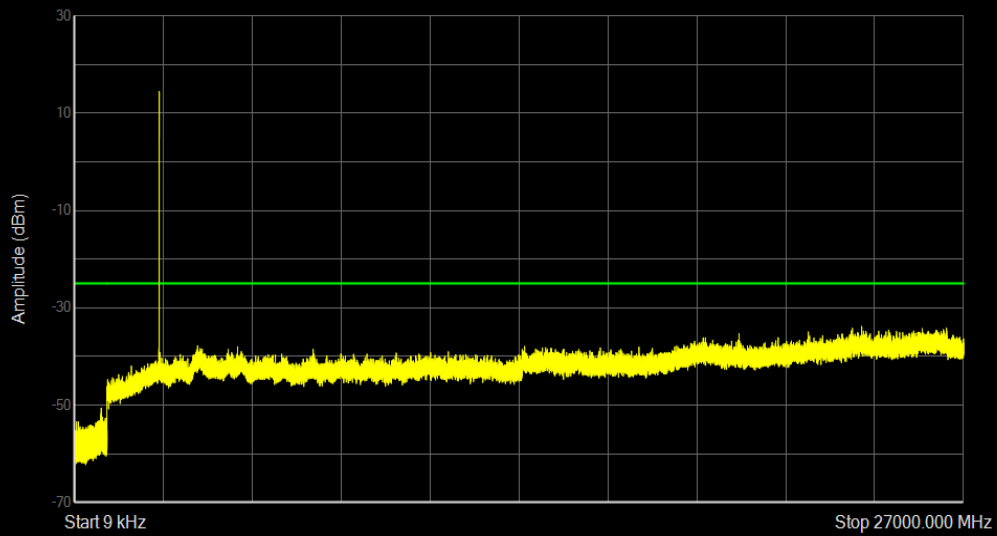
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011886975	-44.05	-25
2	0.15	30	10	0.15	-54.84	-25
3	30	1000	100	910.5175	-49.23	-25
4	1000	27000	1000	25792.3	-33.77	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0

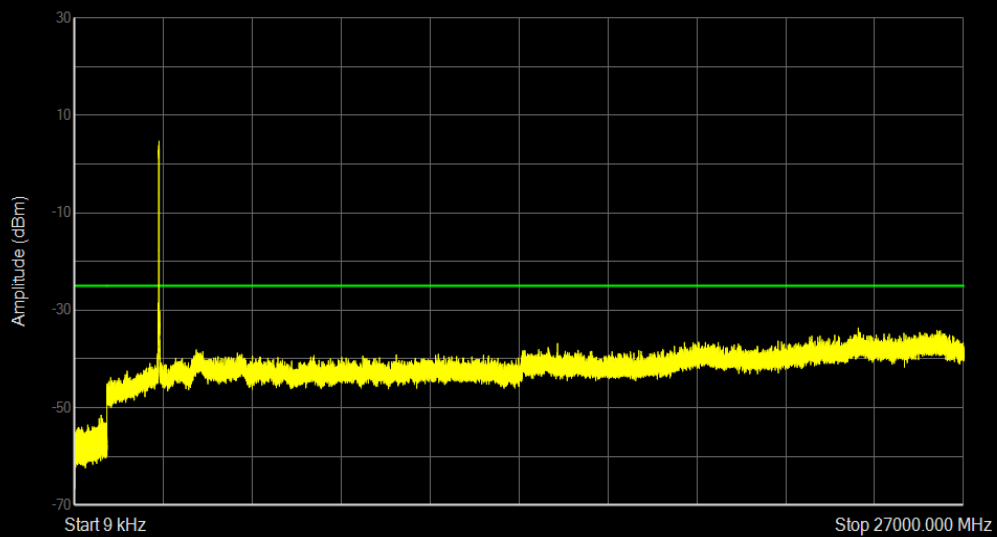
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093948	-43.45	-25
2	0.15	30	10	0.15820875	-55.14	-25
3	30	1000	100	723.9865	-52.63	-25
4	1000	27000	1000	25379.55	-33.88	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50



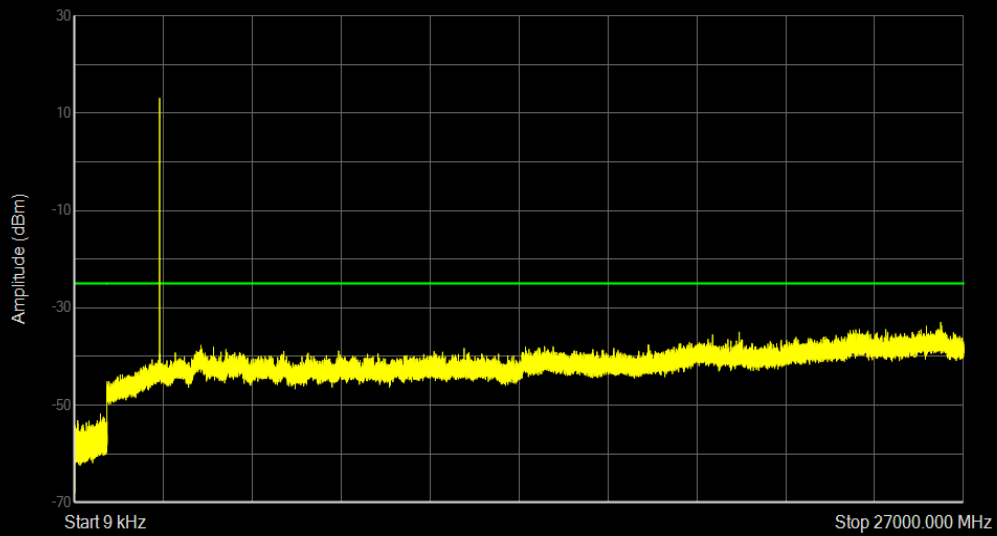
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009243225	-42.81	-25
2	0.15	30	10	0.15	-54.88	-25
3	30	1000	100	830.12875	-50.62	-25
4	1000	27000	1000	23907.3	-33.81	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



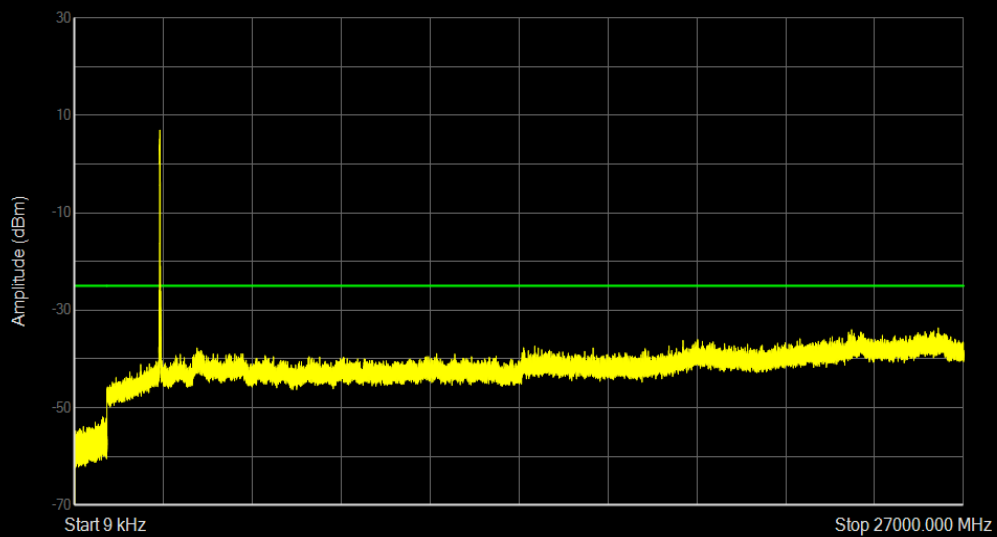
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.016131075	-43.71	-25
2	0.15	30	10	0.15	-55.26	-25
3	30	1000	100	828.3585	-51.56	-25
4	1000	27000	1000	23803.3	-33.64	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0120597	-43.85	-25
2	0.15	30	10	0.15	-55.7	-25
3	30	1000	100	807.23675	-51.85	-25
4	1000	27000	1000	26305.15	-32.98	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014819775	-43.48	-25
2	0.15	30	10	0.15	-55.09	-25
3	30	1000	100	870.311	-51.91	-25
4	1000	27000	1000	26229.75	-33.64	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50

