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1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limt (dBm)	Verdict
n38	30	10	515000	1@1	DFT_BPSK	23.31	-3.36	19.95	33.01	PASS
n38	30	10	515000	24@0	DFT_QPSK	22.50	-3.36	19.14	33.01	PASS
n38	30	10	515000	12@6	DFT_QPSK	23.51	-3.36	20.15	33.01	PASS
n38	30	10	515000	1@1	DFT_QPSK	23.22	-3.36	19.86	33.01	PASS
n38	30	10	515000	1@22	DFT_QPSK	23.42	-3.36	20.06	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM16	22.19	-3.36	18.83	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM64	20.72	-3.36	17.36	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM256	18.90	-3.36	15.54	33.01	PASS
n38	30	10	515000	1@1	CP_QPSK	21.74	-3.36	18.38	33.01	PASS
n38	30	10	519000	1@1	DFT_BPSK	23.32	-3.36	19.96	33.01	PASS
n38	30	10	519000	24@0	DFT_QPSK	22.39	-3.36	19.03	33.01	PASS
n38	30	10	519000	12@6	DFT_QPSK	23.32	-3.36	19.96	33.01	PASS
n38	30	10	519000	1@1	DFT_QPSK	23.51	-3.36	20.15	33.01	PASS
n38	30	10	519000	1@22	DFT_QPSK	23.29	-3.36	19.93	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM16	22.08	-3.36	18.72	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM64	20.78	-3.36	17.42	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM256	18.55	-3.36	15.19	33.01	PASS
n38	30	10	519000	1@1	CP_QPSK	22.14	-3.36	18.78	33.01	PASS
n38	30	10	523000	1@1	DFT_BPSK	23.22	-3.36	19.86	33.01	PASS
n38	30	10	523000	24@0	DFT_QPSK	22.20	-3.36	18.84	33.01	PASS
n38	30	10	523000	12@6	DFT_QPSK	23.18	-3.36	19.82	33.01	PASS
n38	30	10	523000	1@1	DFT_QPSK	23.32	-3.36	19.96	33.01	PASS
n38	30	10	523000	1@22	DFT_QPSK	23.40	-3.36	20.04	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM16	22.02	-3.36	18.66	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM64	20.44	-3.36	17.08	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM256	18.88	-3.36	15.52	33.01	PASS
n38	30	10	523000	1@1	CP_QPSK	21.78	-3.36	18.42	33.01	PASS
n38	30	15	515500	1@1	DFT_BPSK	23.23	-3.36	19.87	33.01	PASS
n38	30	15	515500	36@0	DFT_QPSK	22.56	-3.36	19.20	33.01	PASS
n38	30	15	515500	18@9	DFT_QPSK	23.44	-3.36	20.08	33.01	PASS
n38	30	15	515500	1@1	DFT_QPSK	23.29	-3.36	19.93	33.01	PASS
n38	30	15	515500	1@36	DFT_QPSK	23.51	-3.36	20.15	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM16	22.31	-3.36	18.95	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM64	20.91	-3.36	17.55	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM256	19.06	-3.36	15.70	33.01	PASS
n38	30	15	515500	1@1	CP_QPSK	22.03	-3.36	18.67	33.01	PASS
n38	30	15	519000	1@1	DFT_BPSK	23.33	-3.36	19.97	33.01	PASS

n38	30	15	519000	36@0	DFT_QPSK	22.45	-3.36	19.09	33.01	PASS
n38	30	15	519000	18@9	DFT_QPSK	23.34	-3.36	19.98	33.01	PASS
n38	30	15	519000	1@1	DFT_QPSK	23.35	-3.36	19.99	33.01	PASS
n38	30	15	519000	1@36	DFT_QPSK	23.09	-3.36	19.73	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM16	23.04	-3.36	19.68	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM64	21.15	-3.36	17.79	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM256	18.76	-3.36	15.40	33.01	PASS
n38	30	15	519000	1@1	CP_QPSK	22.53	-3.36	19.17	33.01	PASS
n38	30	15	522500	1@1	DFT_BPSK	23.17	-3.36	19.81	33.01	PASS
n38	30	15	522500	36@0	DFT_QPSK	22.22	-3.36	18.86	33.01	PASS
n38	30	15	522500	18@9	DFT_QPSK	23.14	-3.36	19.78	33.01	PASS
n38	30	15	522500	1@1	DFT_QPSK	23.26	-3.36	19.90	33.01	PASS
n38	30	15	522500	1@36	DFT_QPSK	23.17	-3.36	19.81	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM16	22.31	-3.36	18.95	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM64	20.44	-3.36	17.08	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM256	18.66	-3.36	15.30	33.01	PASS
n38	30	15	522500	1@1	CP_QPSK	21.63	-3.36	18.27	33.01	PASS
n38	30	20	516000	1@1	DFT_BPSK	23.18	-3.36	19.82	33.01	PASS
n38	30	20	516000	50@0	DFT_QPSK	22.60	-3.36	19.24	33.01	PASS
n38	30	20	516000	25@12	DFT_QPSK	23.62	-3.36	20.26	33.01	PASS
n38	30	20	516000	1@1	DFT_QPSK	23.17	-3.36	19.81	33.01	PASS
n38	30	20	516000	1@49	DFT_QPSK	23.47	-3.36	20.11	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM16	22.25	-3.36	18.89	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM64	21.01	-3.36	17.65	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM256	18.93	-3.36	15.57	33.01	PASS
n38	30	20	516000	1@1	CP_QPSK	22.16	-3.36	18.80	33.01	PASS
n38	30	20	519000	1@1	DFT_BPSK	23.32	-3.36	19.96	33.01	PASS
n38	30	20	519000	50@0	DFT_QPSK	22.36	-3.36	19.00	33.01	PASS
n38	30	20	519000	25@12	DFT_QPSK	23.33	-3.36	19.97	33.01	PASS
n38	30	20	519000	1@1	DFT_QPSK	23.44	-3.36	20.08	33.01	PASS
n38	30	20	519000	1@49	DFT_QPSK	23.12	-3.36	19.76	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM16	22.48	-3.36	19.12	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM64	21.19	-3.36	17.83	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM256	18.91	-3.36	15.55	33.01	PASS
n38	30	20	519000	1@1	CP_QPSK	22.04	-3.36	18.68	33.01	PASS
n38	30	20	522000	1@1	DFT_BPSK	23.07	-3.36	19.71	33.01	PASS
n38	30	20	522000	50@0	DFT_QPSK	22.18	-3.36	18.82	33.01	PASS
n38	30	20	522000	25@12	DFT_QPSK	23.15	-3.36	19.79	33.01	PASS
n38	30	20	522000	1@1	DFT_QPSK	22.98	-3.36	19.62	33.01	PASS
n38	30	20	522000	1@49	DFT_QPSK	23.20	-3.36	19.84	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM16	22.18	-3.36	18.82	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM64	20.52	-3.36	17.16	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM256	18.69	-3.36	15.33	33.01	PASS
n38	30	20	522000	1@1	CP_QPSK	21.60	-3.36	18.24	33.01	PASS

2 Frequency stability for NR FR1

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	-8.73	-0.00339	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	-10.14	-0.00394	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-10.59	-0.00411	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-5.64	-0.00219	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-9.19	-0.00357	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-8.53	-0.00331	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-4.05	-0.00156	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-7.20	-0.00277	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-7.10	-0.00274	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	0.91	0.00035	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	-5.96	-0.00230	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-8.42	-0.00324	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-10.79	-0.00413	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-7.66	-0.00293	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-10.33	-0.00395	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	-10.23	-0.00391	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	-8.68	-0.00332	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-5.93	-0.00227	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-5.70	-0.00221	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-7.40	-0.00287	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-4.34	-0.00168	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	-6.59	-0.00256	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	-7.97	-0.00309	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-8.21	-0.00319	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	-1.85	-0.00071	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	0.39	0.00015	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	-2.28	-0.00088	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	0.17	0.00007	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	2.16	0.00083	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	1.13	0.00044	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	-14.10	-0.00540	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-14.21	-0.00544	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-10.79	-0.00413	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	-13.89	-0.00532	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-8.68	-0.00332	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-10.09	-0.00386	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-6.18	-0.00240	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-5.21	-0.00202	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_BPSK	-5.20	-0.00202	-2.5	2.5	PASS

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n38	30	20	516000	25@12	DFT_QPSK	-4.69	-0.00182	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	-6.27	-0.00243	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_QPSK	-6.89	-0.00267	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_BPSK	-4.36	-0.00168	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	-7.97	-0.00307	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	-5.18	-0.00200	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	-7.57	-0.00292	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	-6.68	-0.00257	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-5.62	-0.00217	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	-4.29	-0.00164	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	-2.67	-0.00102	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	2.74	0.00105	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	-2.84	-0.00109	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	4.92	0.00189	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	-3.07	-0.00118	-2.5	2.5	PASS

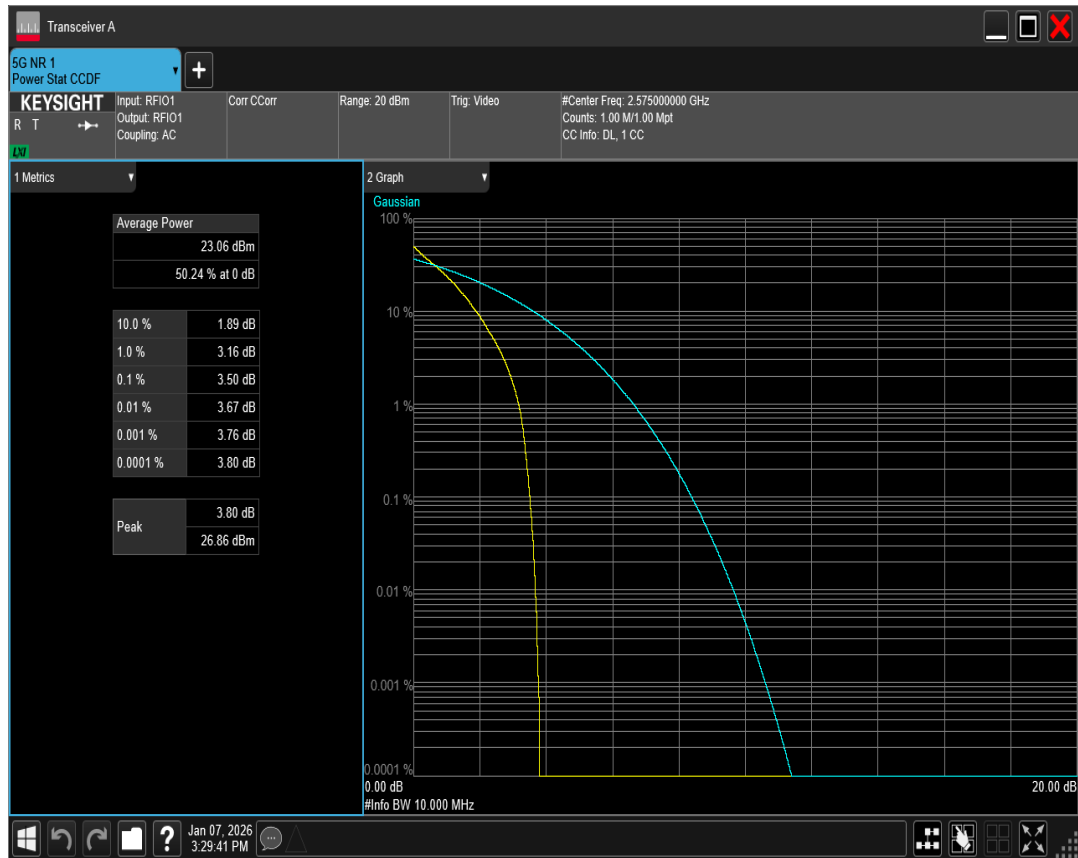
Note: (Voltage: 3.92V, Temperature: 25°C) only reflect the worst mode.

3 Peak-to-Average Ratio for NR FR1

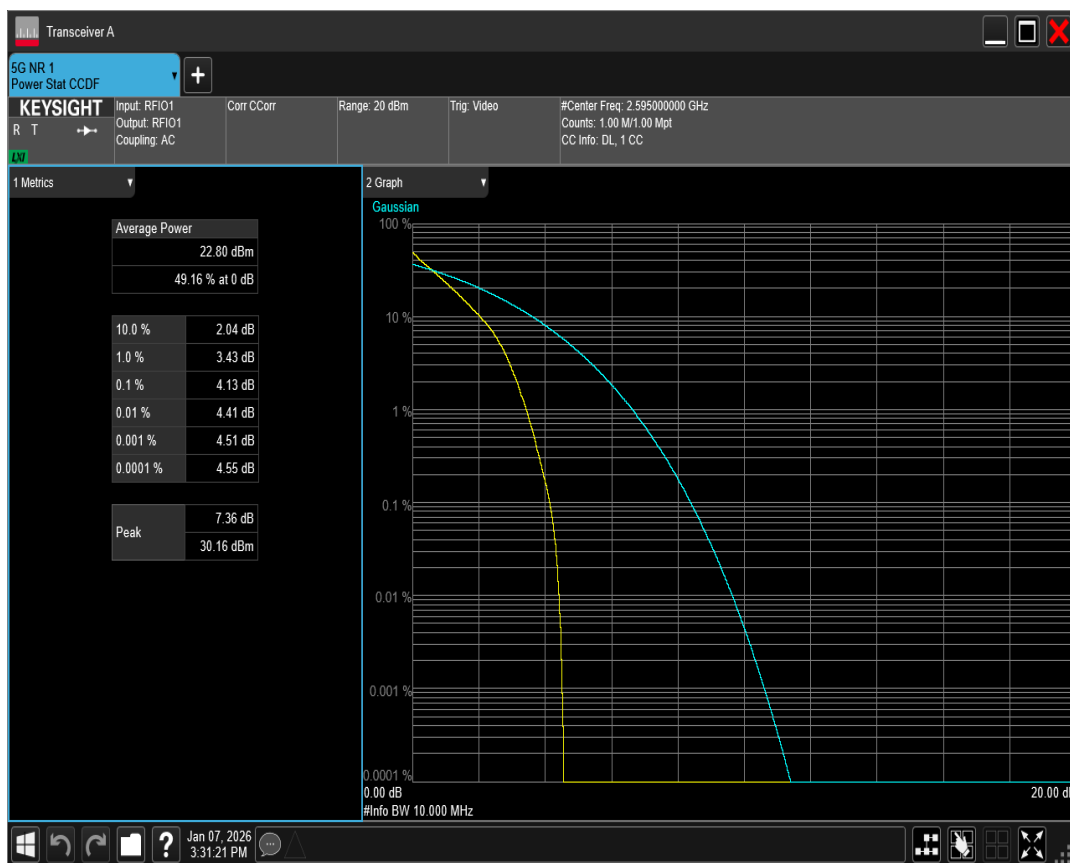
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	3.50	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	4.49	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	5.55	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	5.70	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	6.35	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	4.13	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.09	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	5.67	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.15	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	6.72	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.12	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.19	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	5.93	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.20	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	6.74	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.18	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	4.97	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	5.80	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	5.92	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	6.60	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.35	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.06	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	5.77	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	5.87	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	6.52	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.03	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	5.05	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	5.98	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	6.06	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	6.59	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	4.04	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	5.01	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	5.71	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	5.99	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	6.46	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	4.49	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.21	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	5.82	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.13	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	6.60	13	PASS

n38	30	20	522000	50@0	DFT_BPSK	4.12	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.08	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	5.76	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	6.04	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	6.67	13	PASS

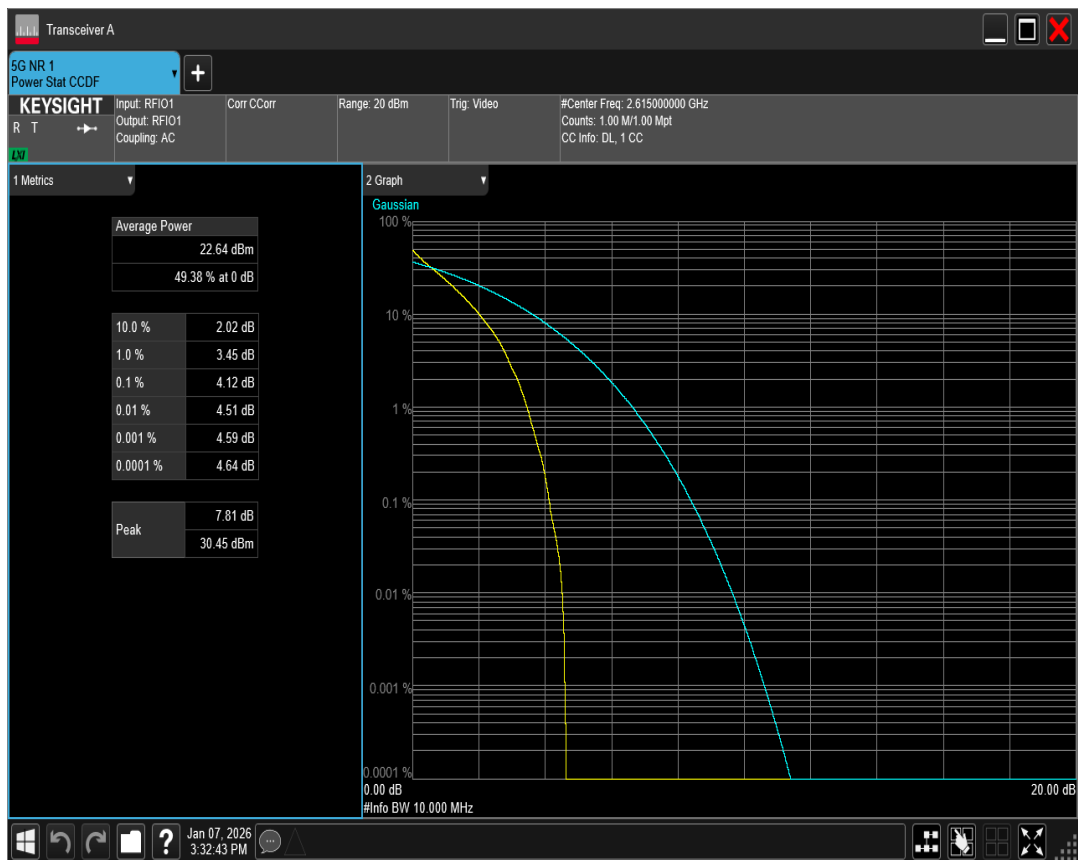
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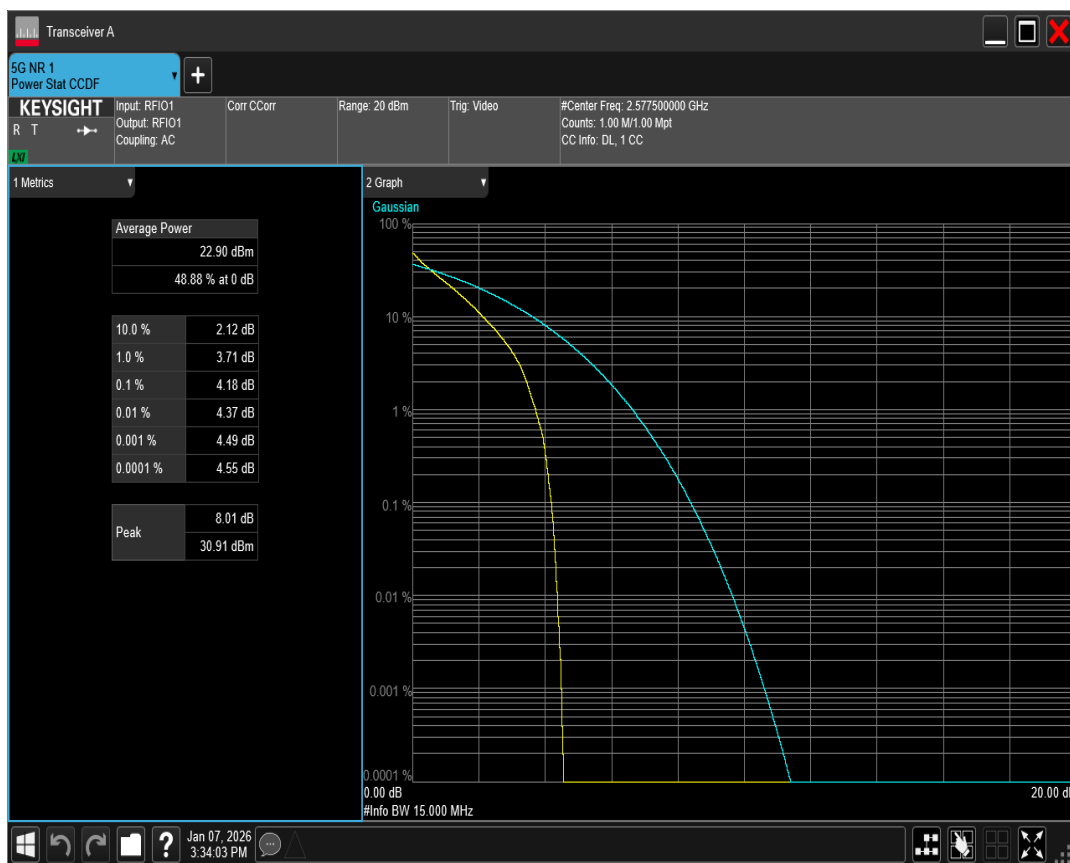
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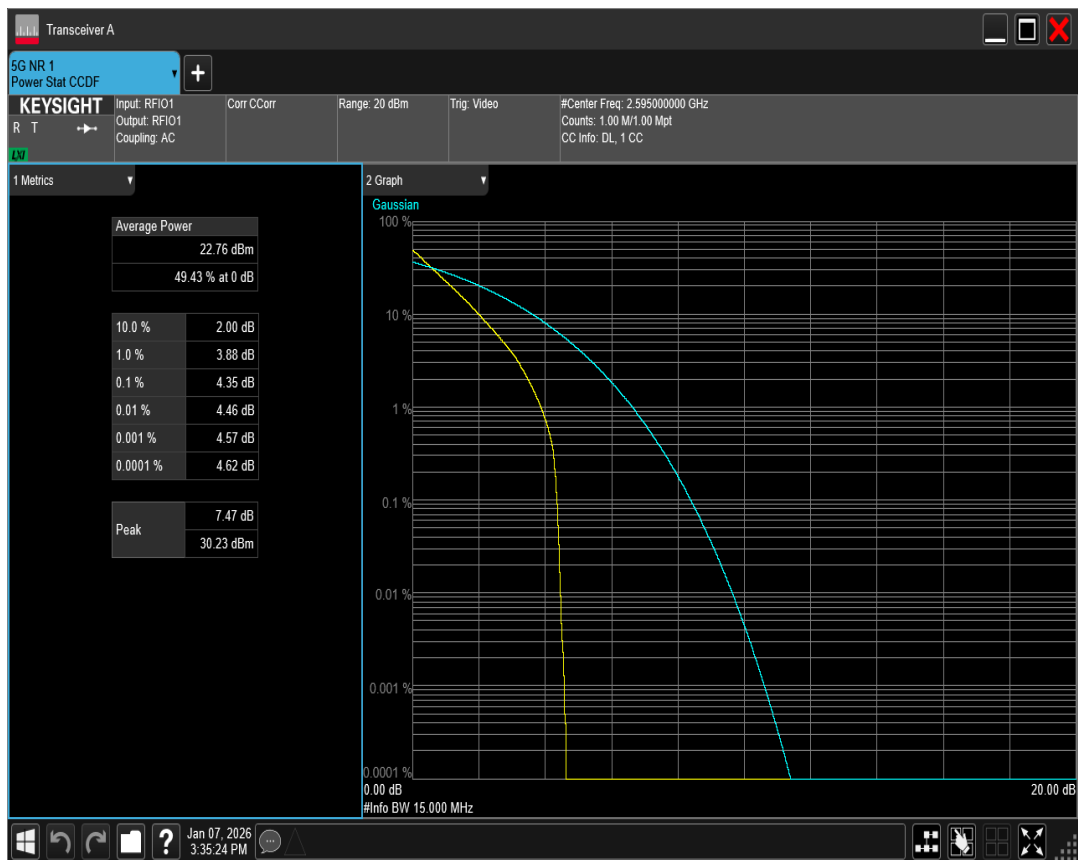
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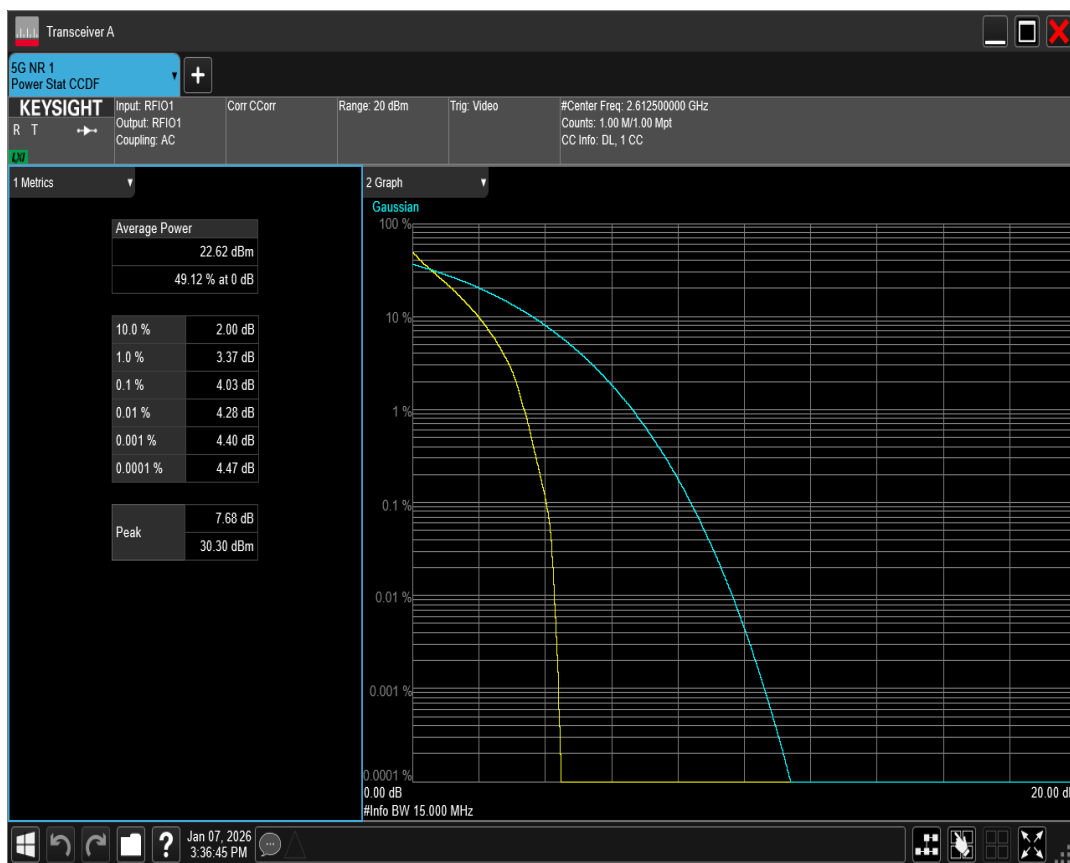
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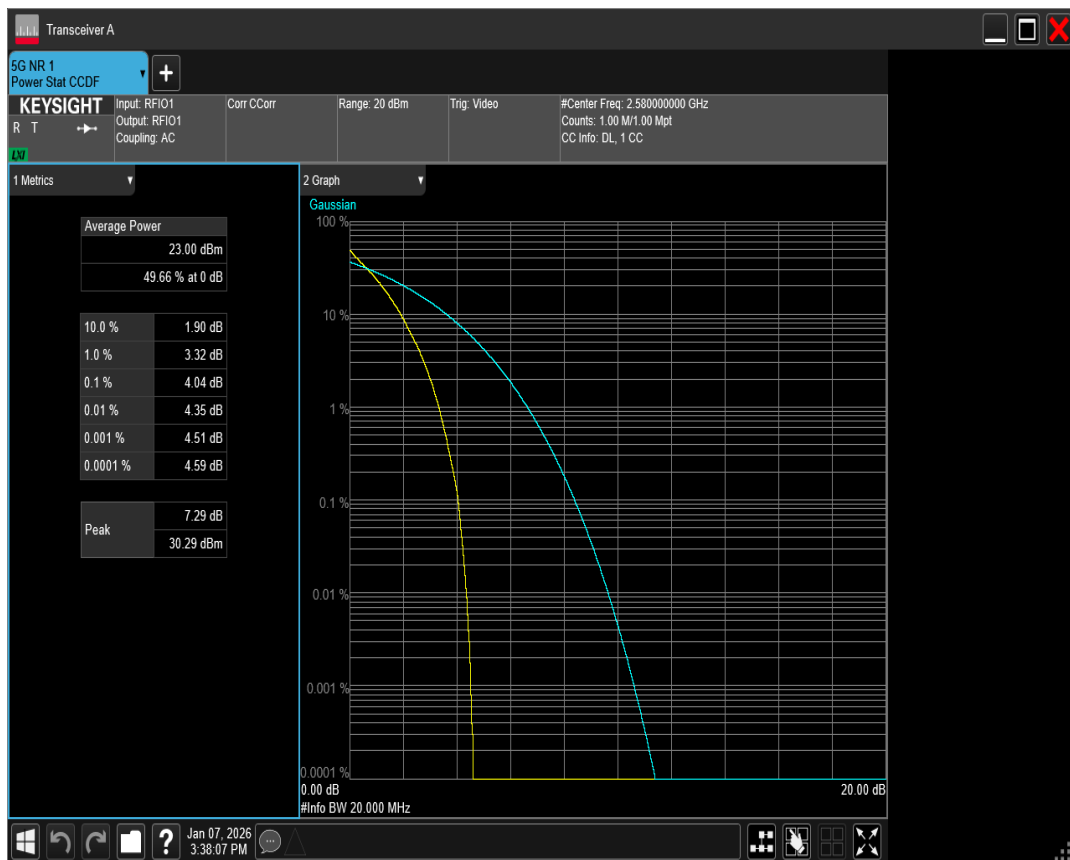
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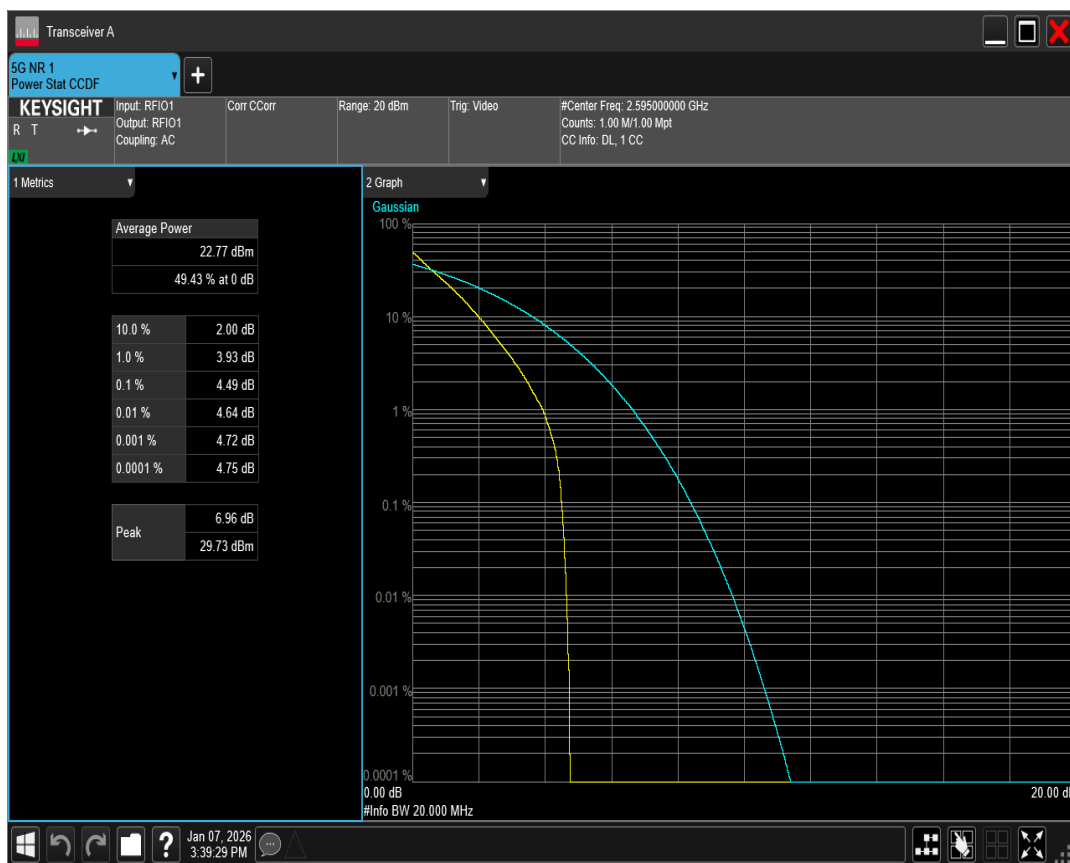
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=522500 RB=36@0



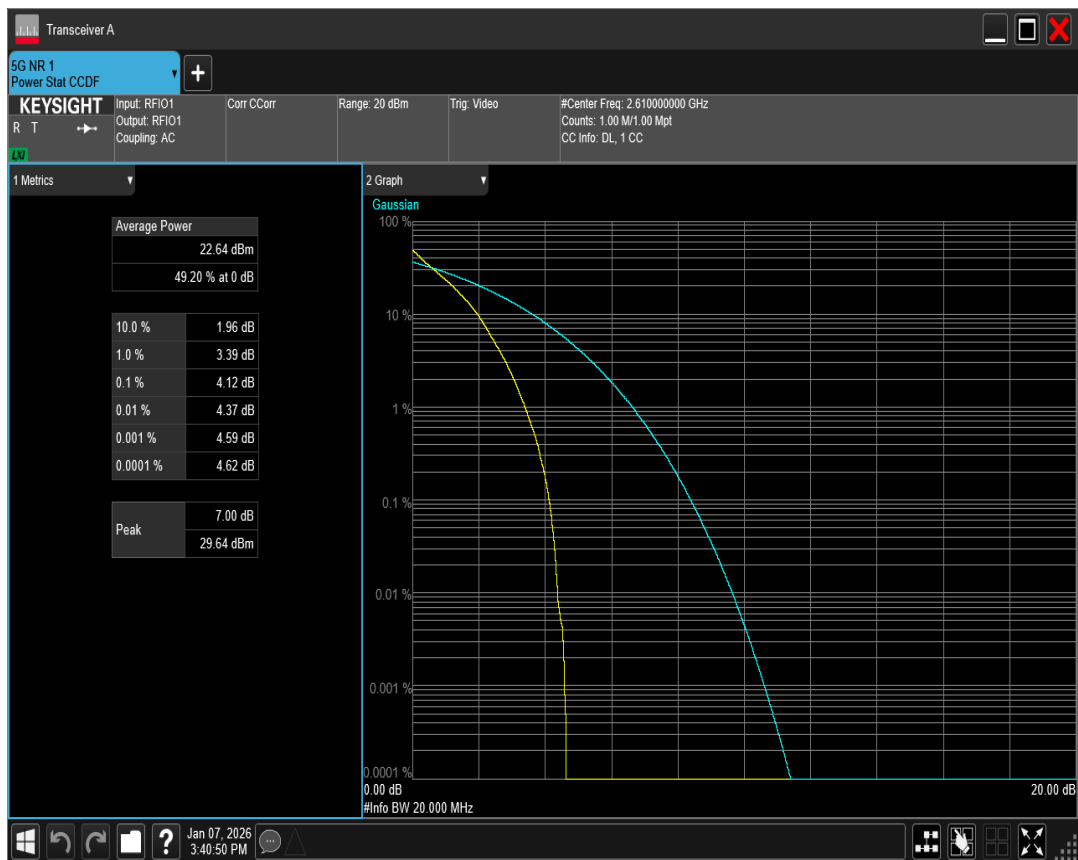
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



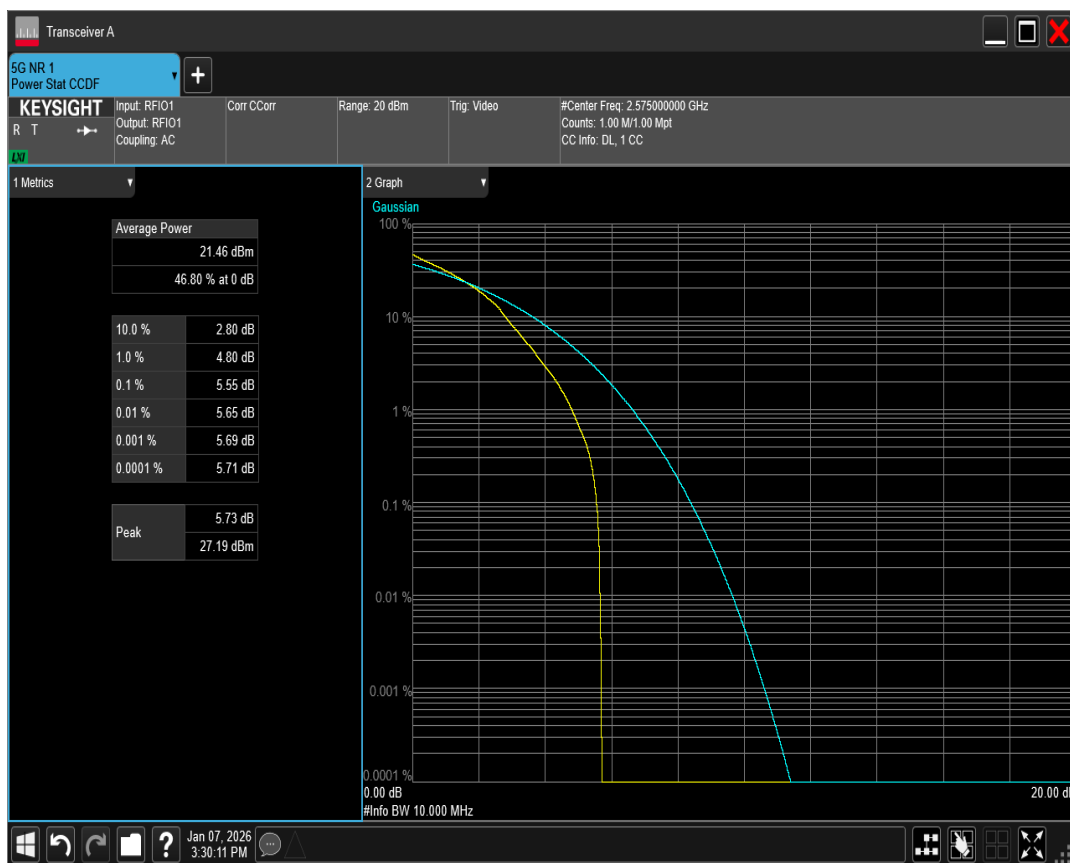
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



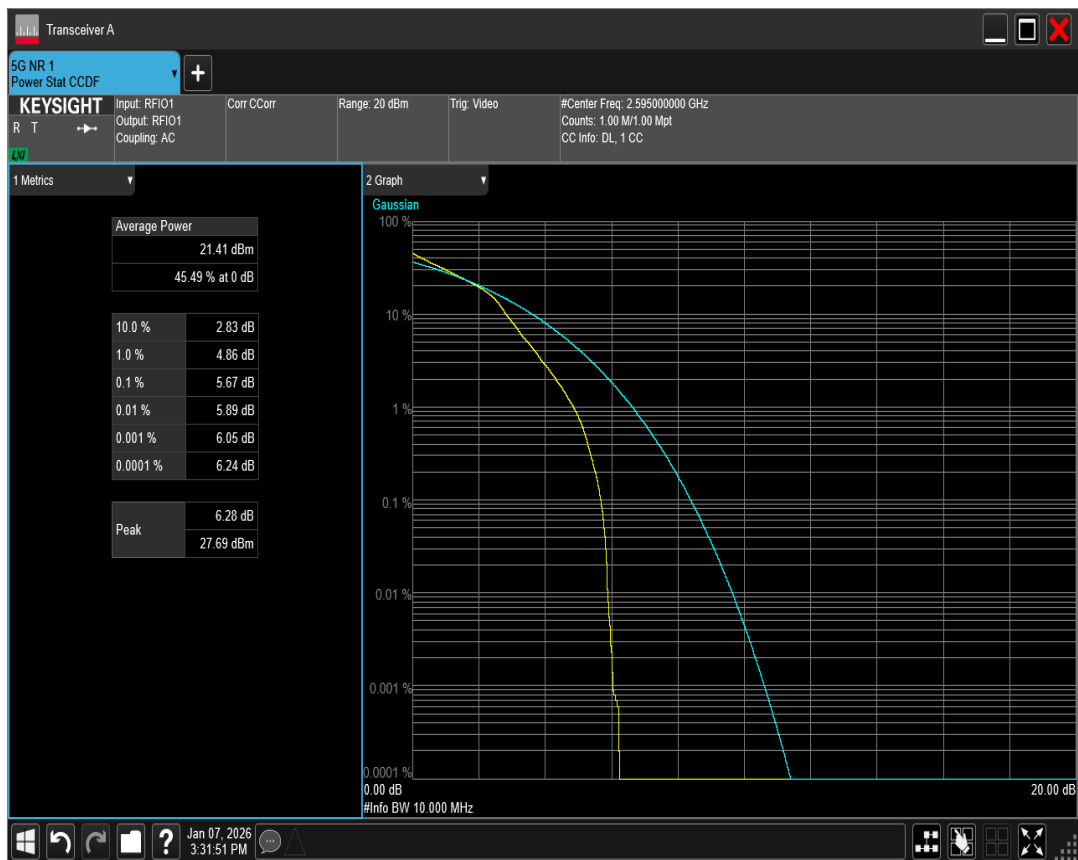
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=522000 RB=50@0



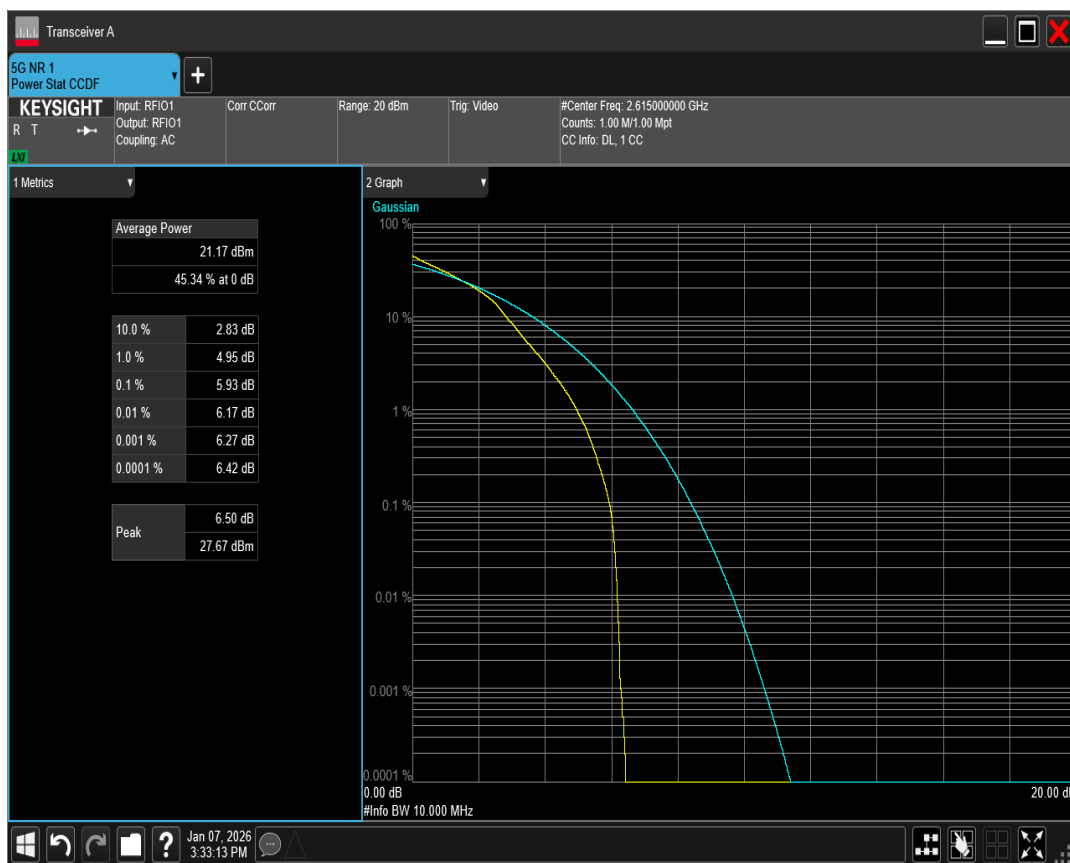
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



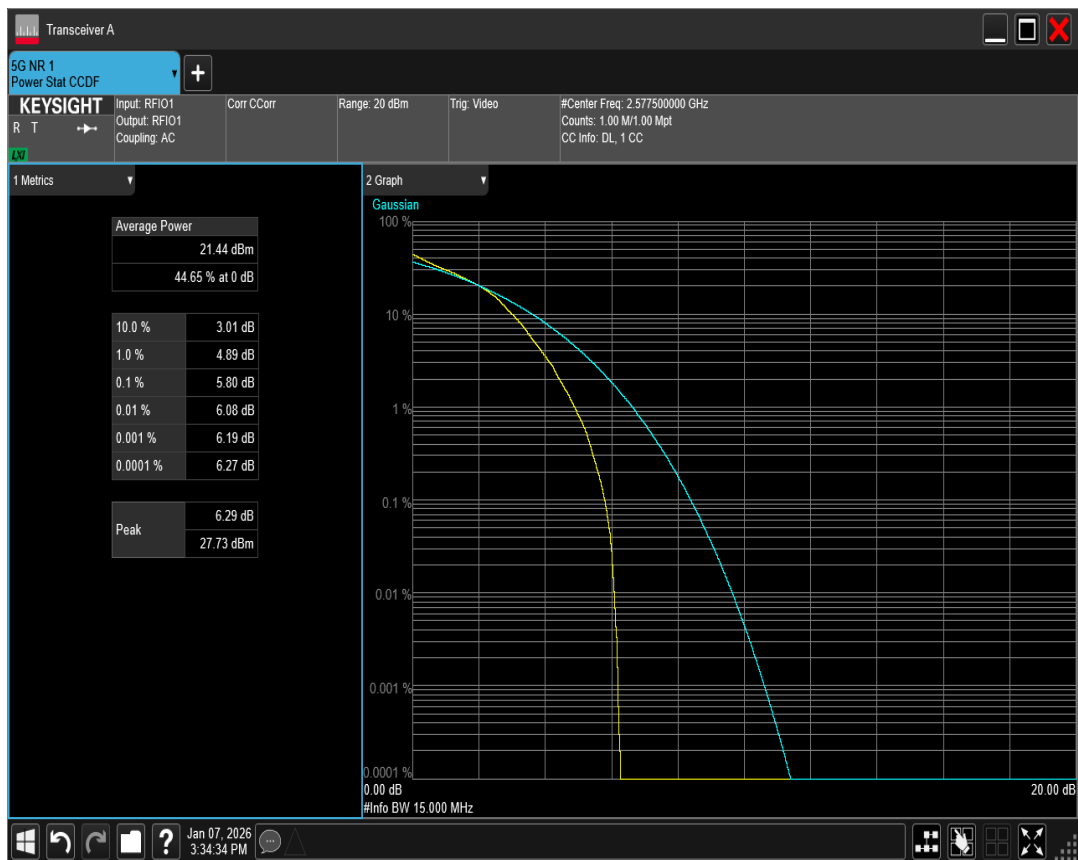
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



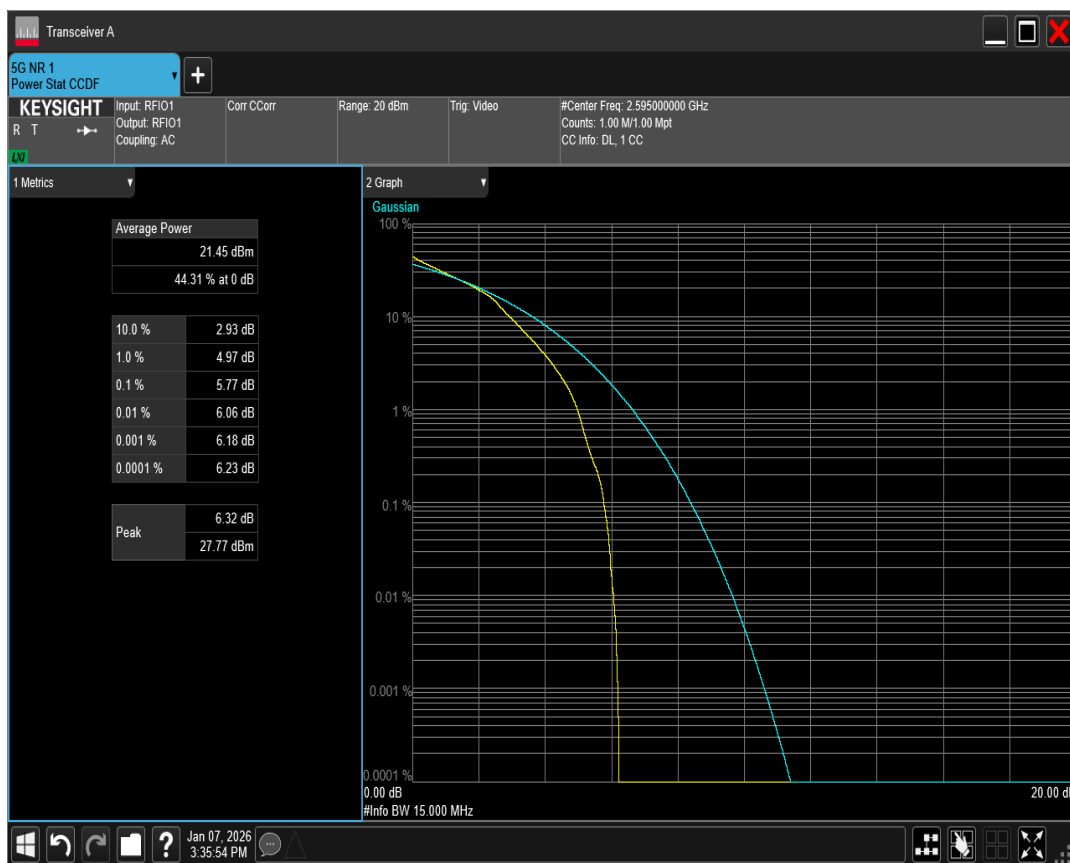
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



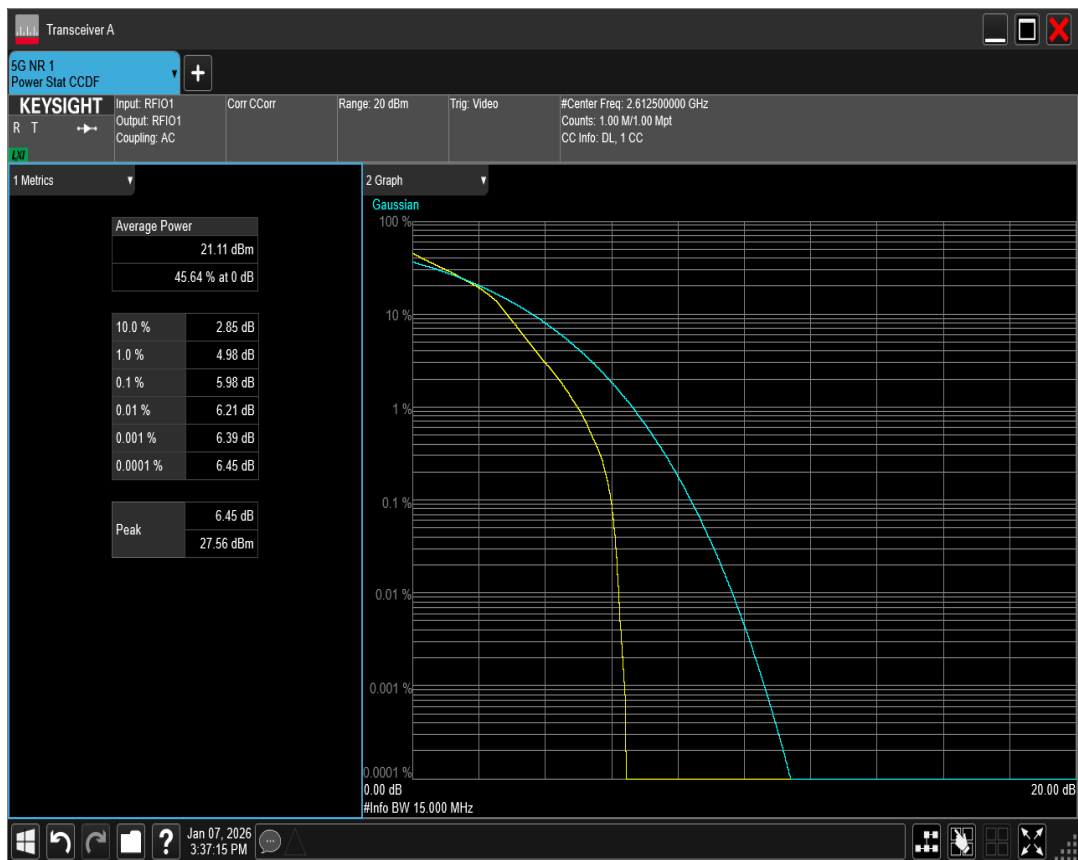
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=515500 RB=36@0



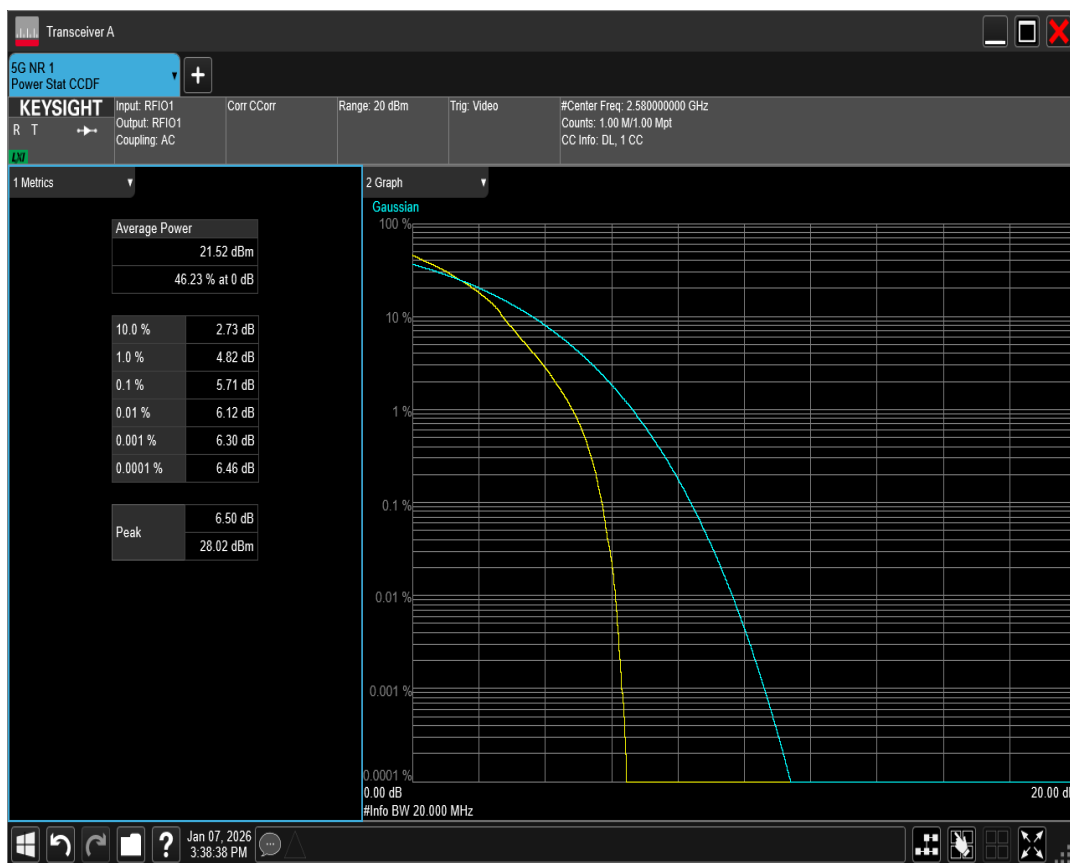
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



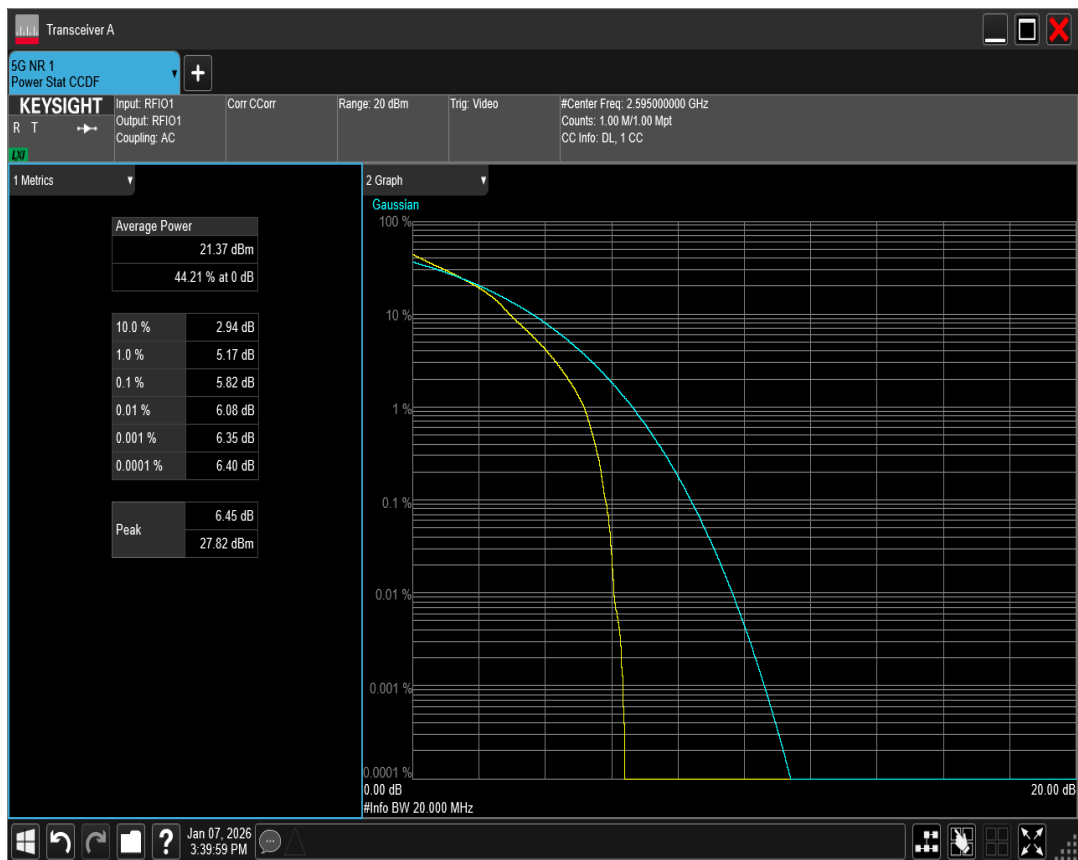
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



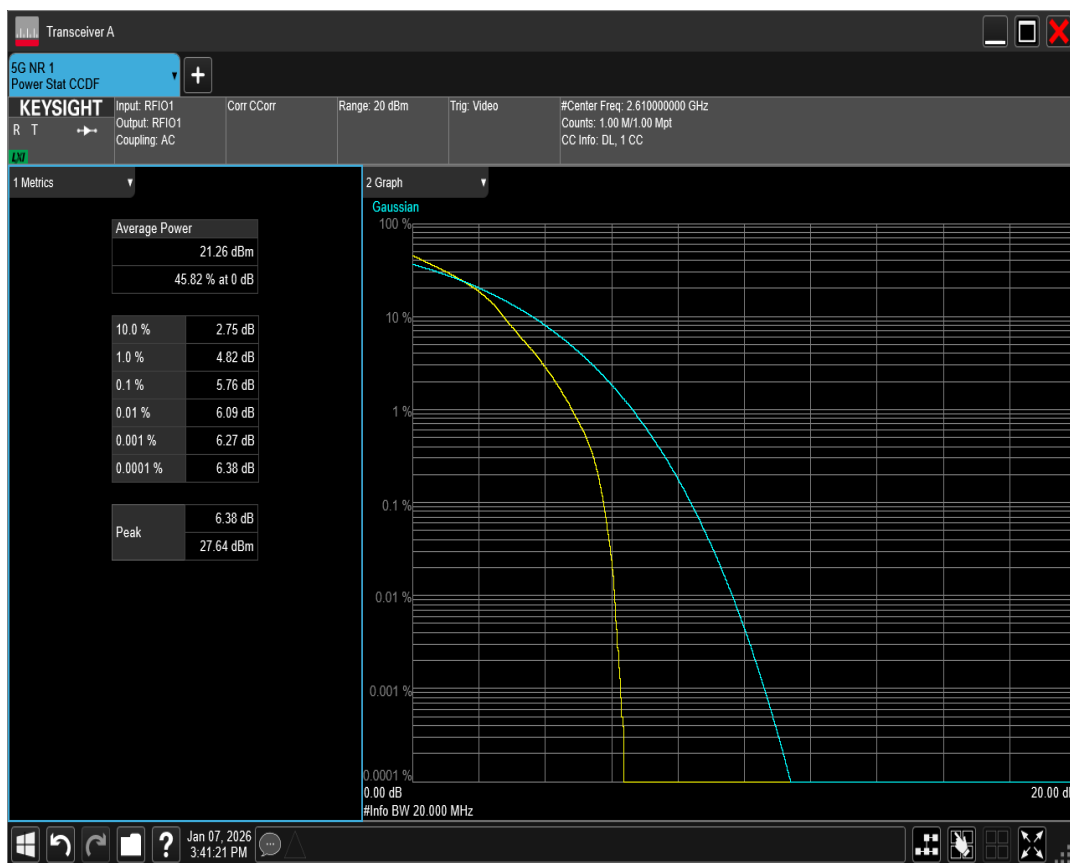
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



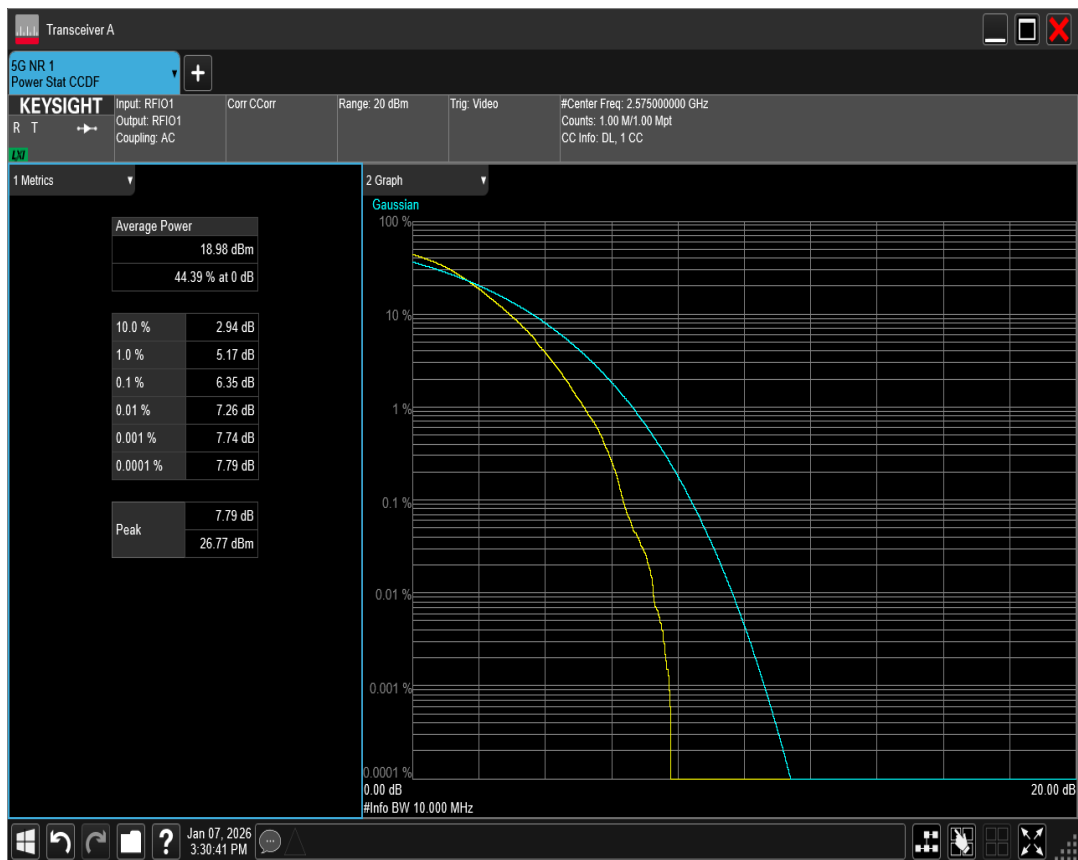
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



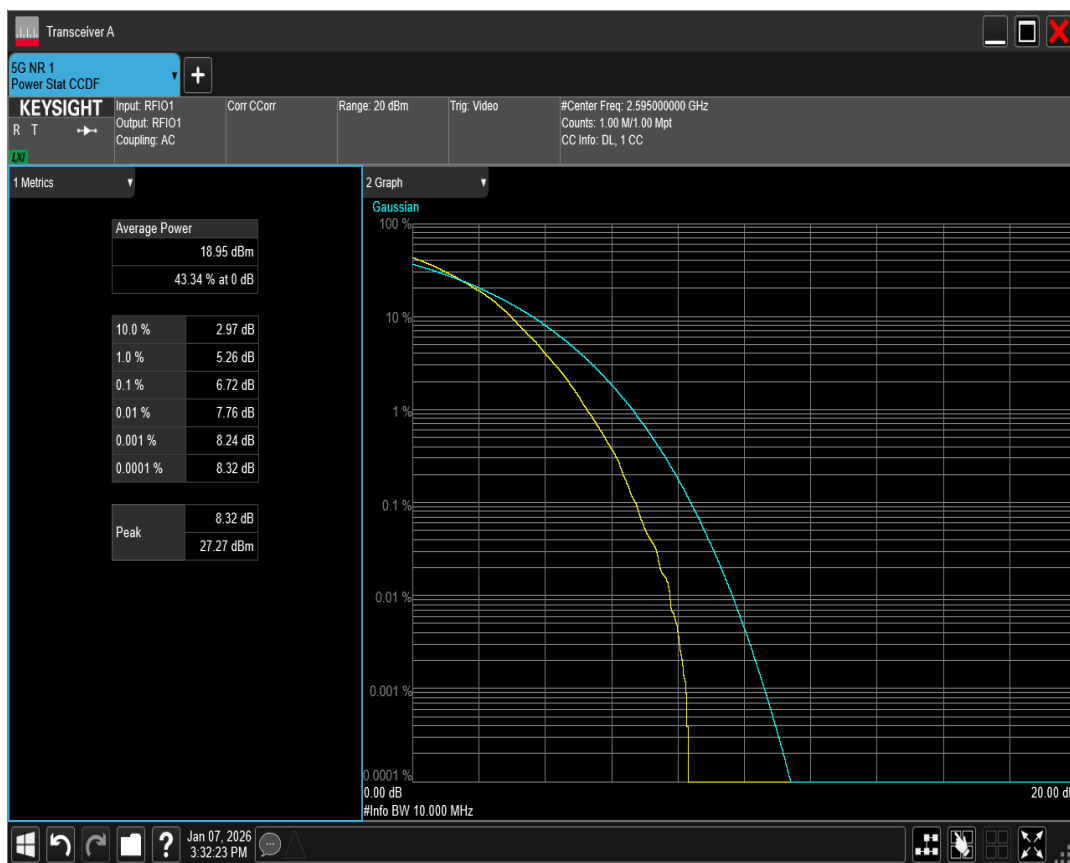
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=522000 RB=50@0



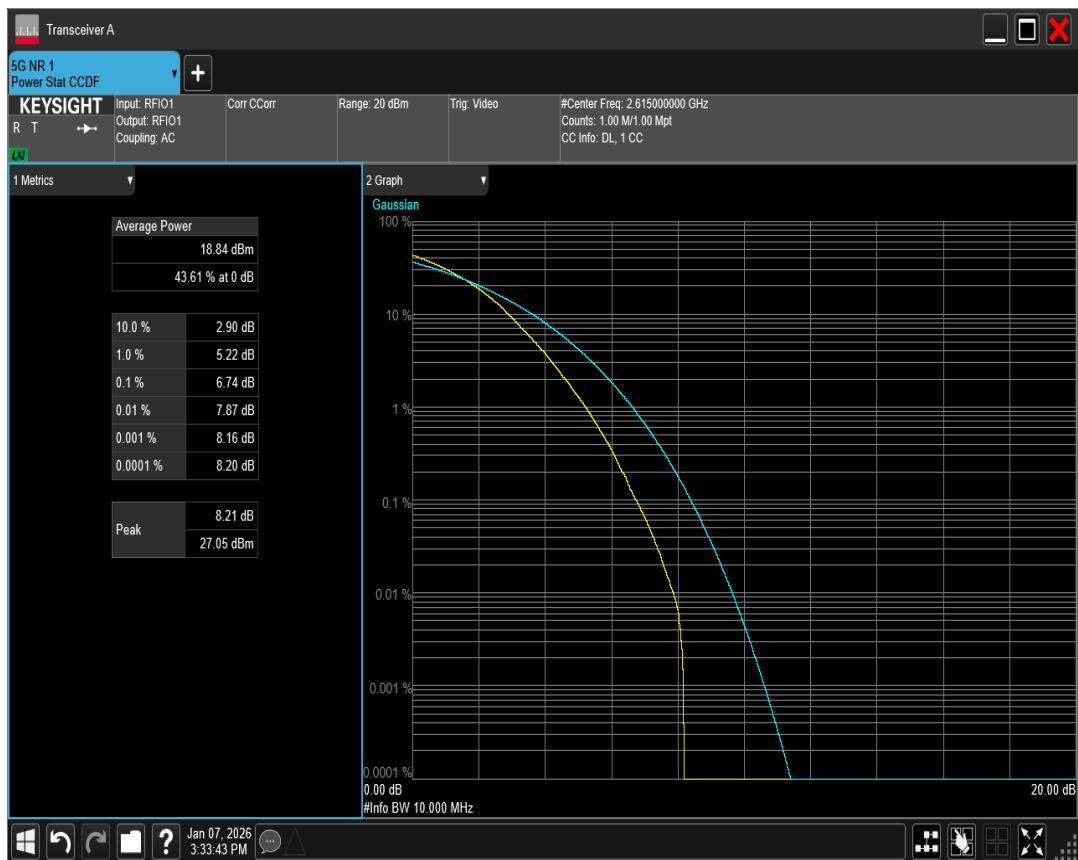
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



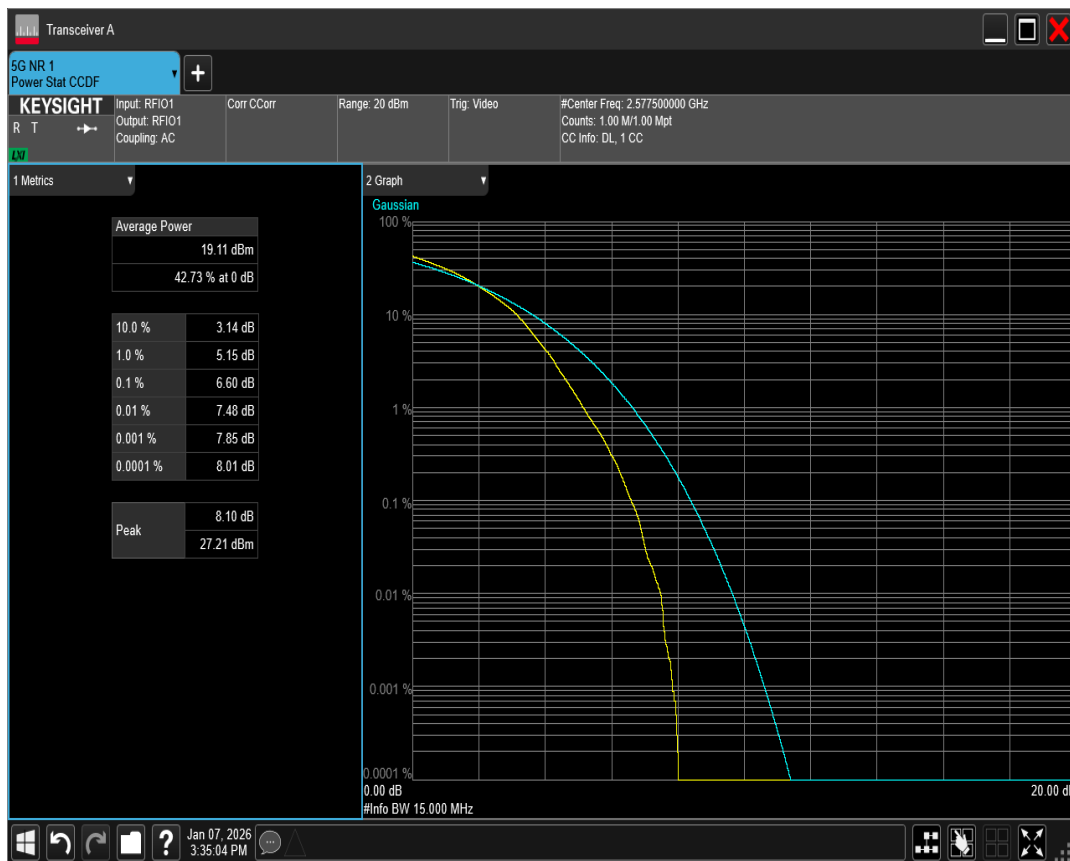
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



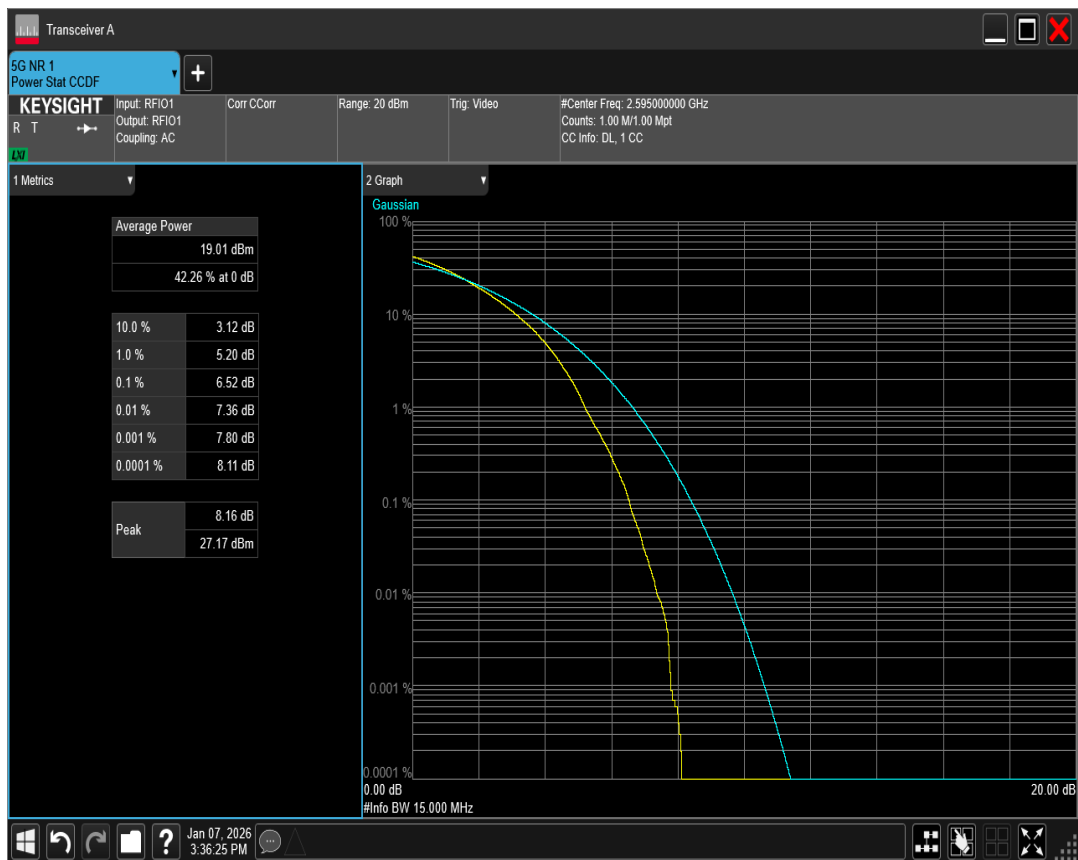
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



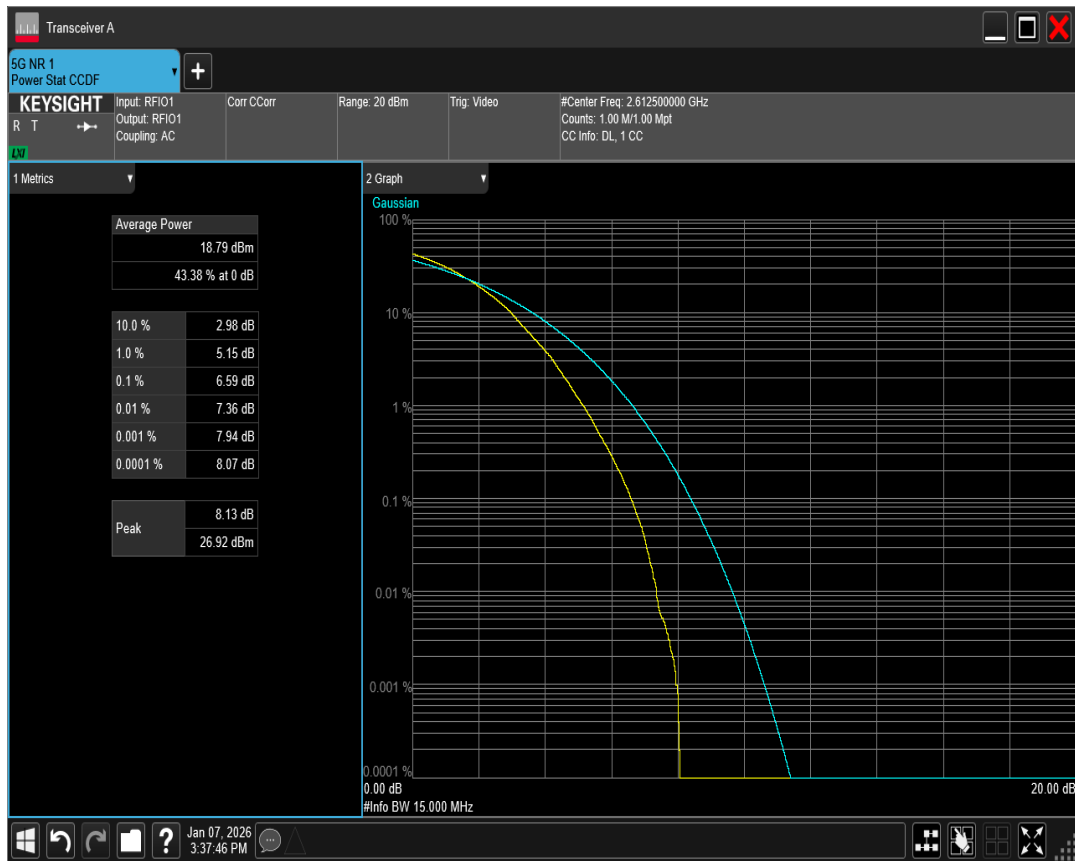
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



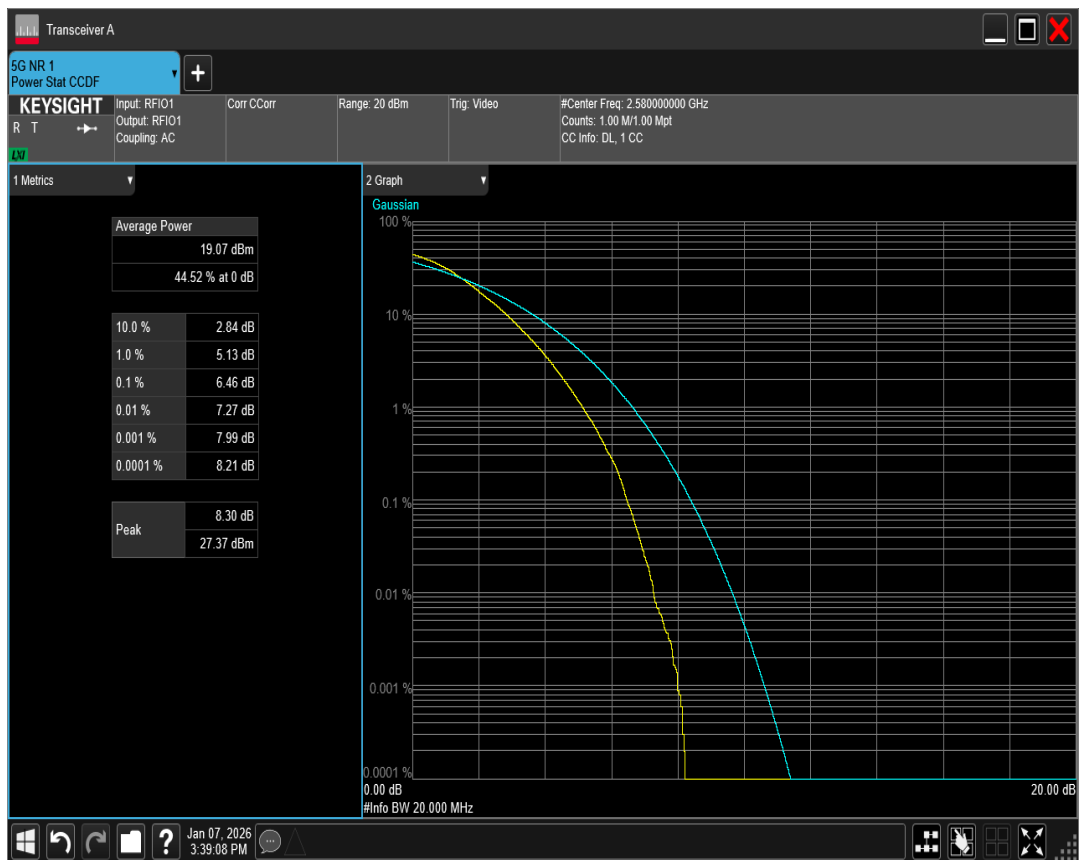
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



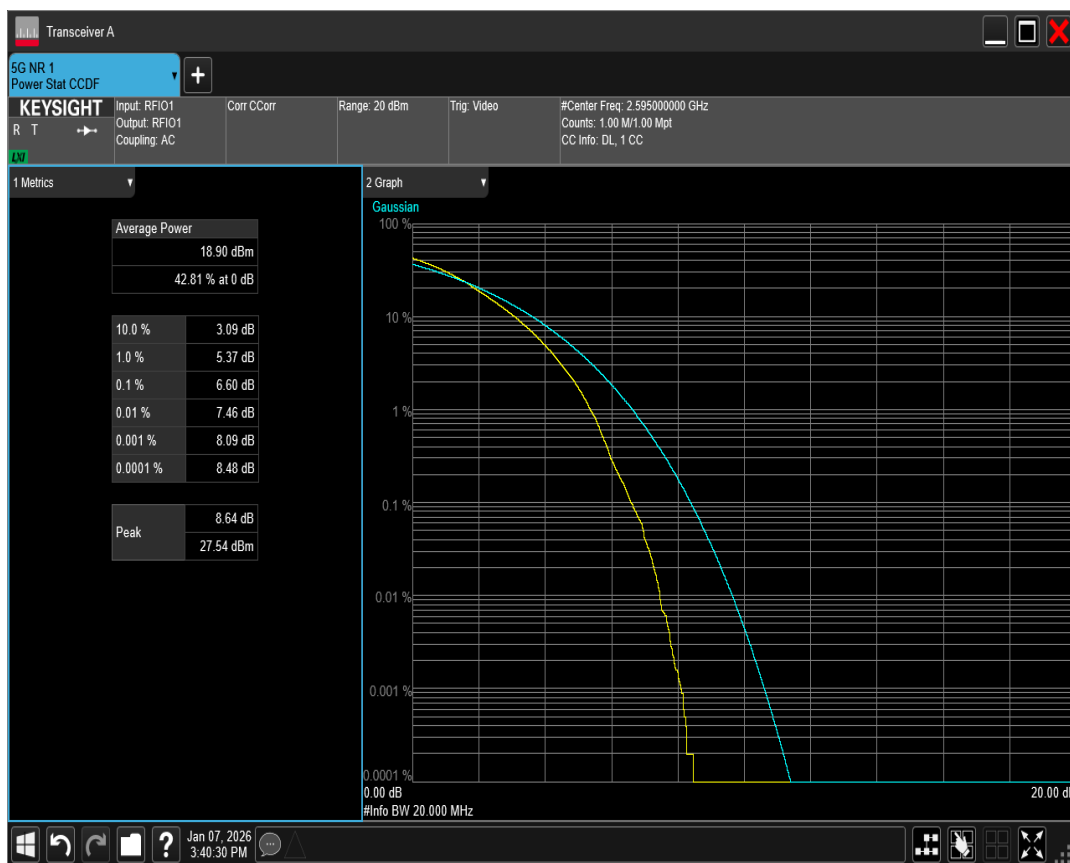
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=522500 RB=36@0



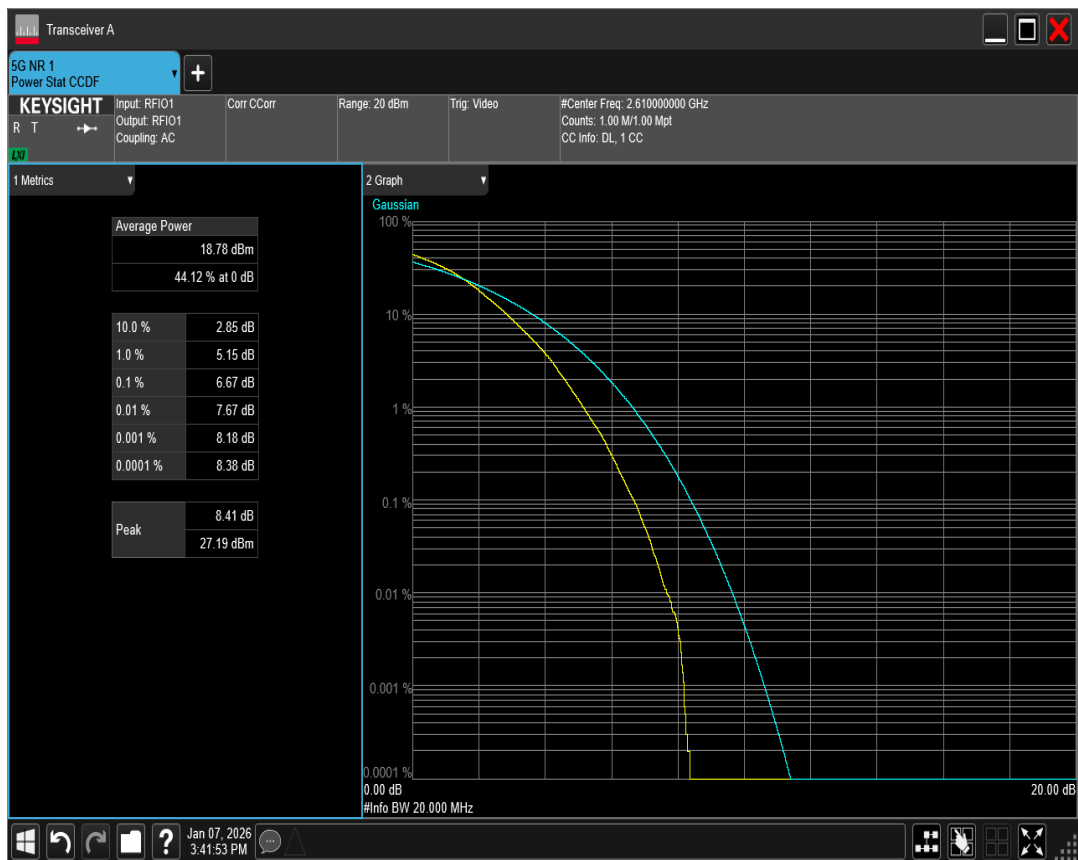
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



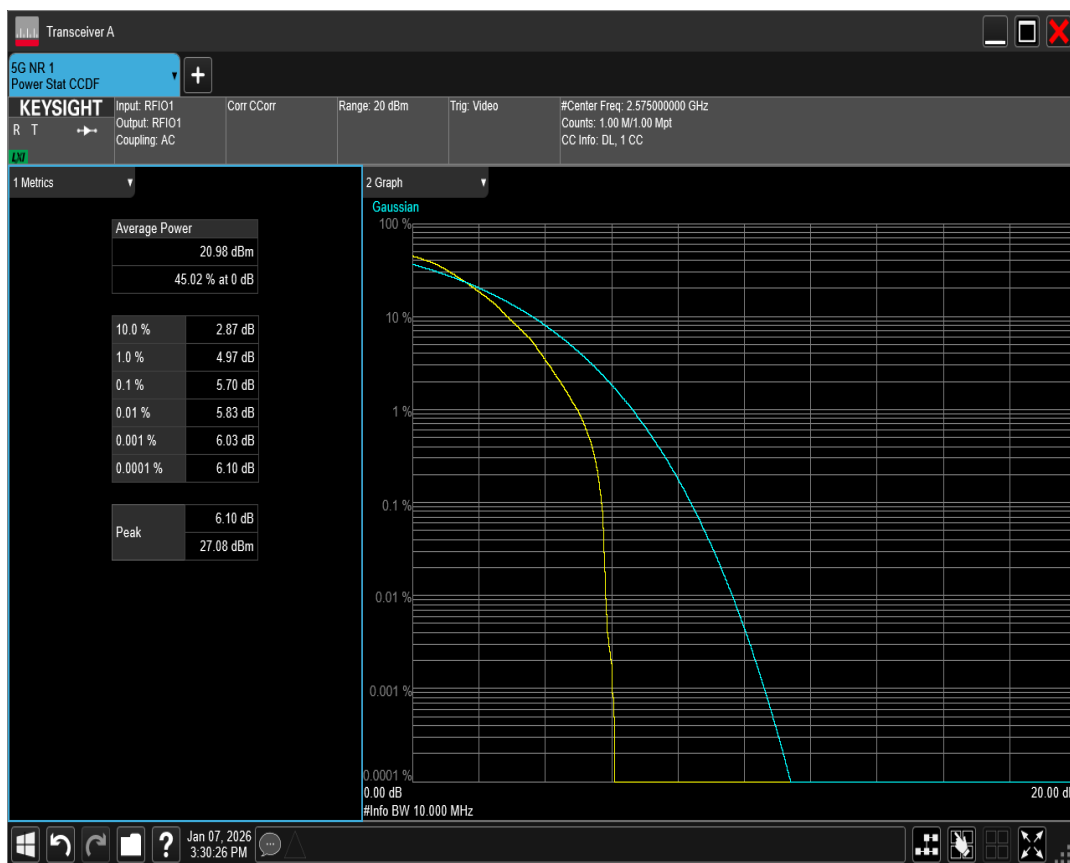
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



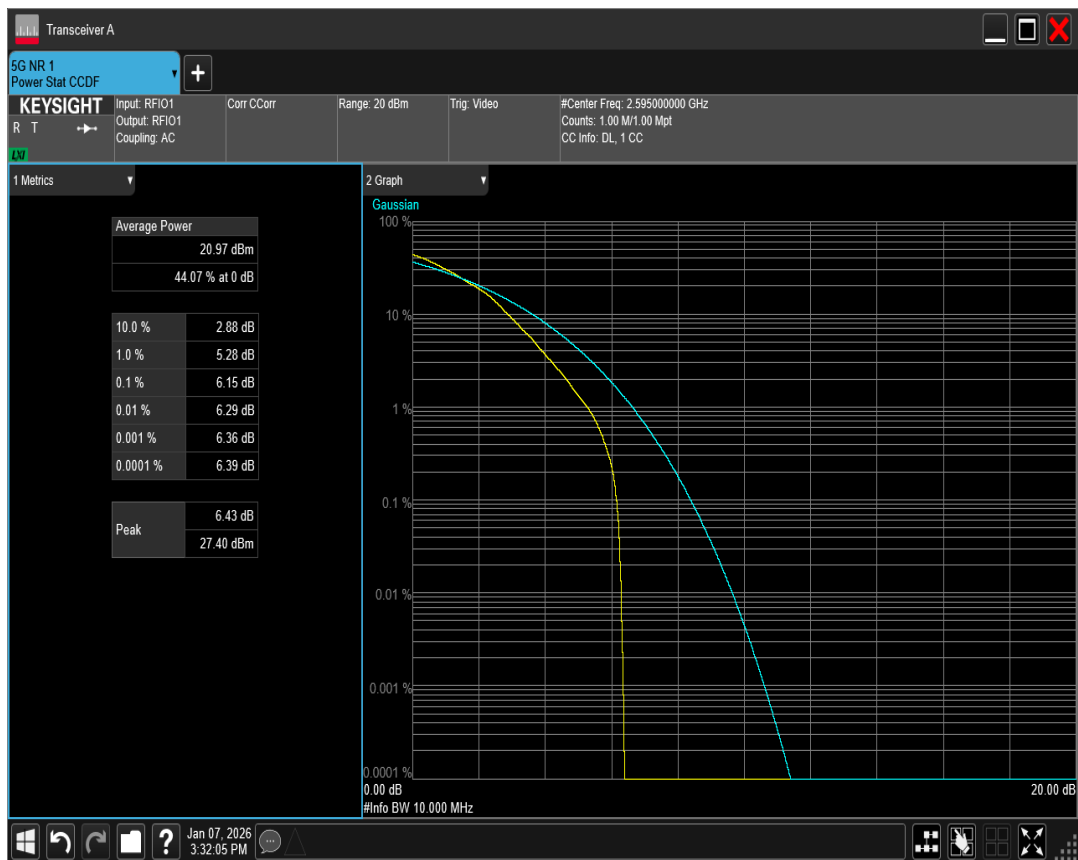
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



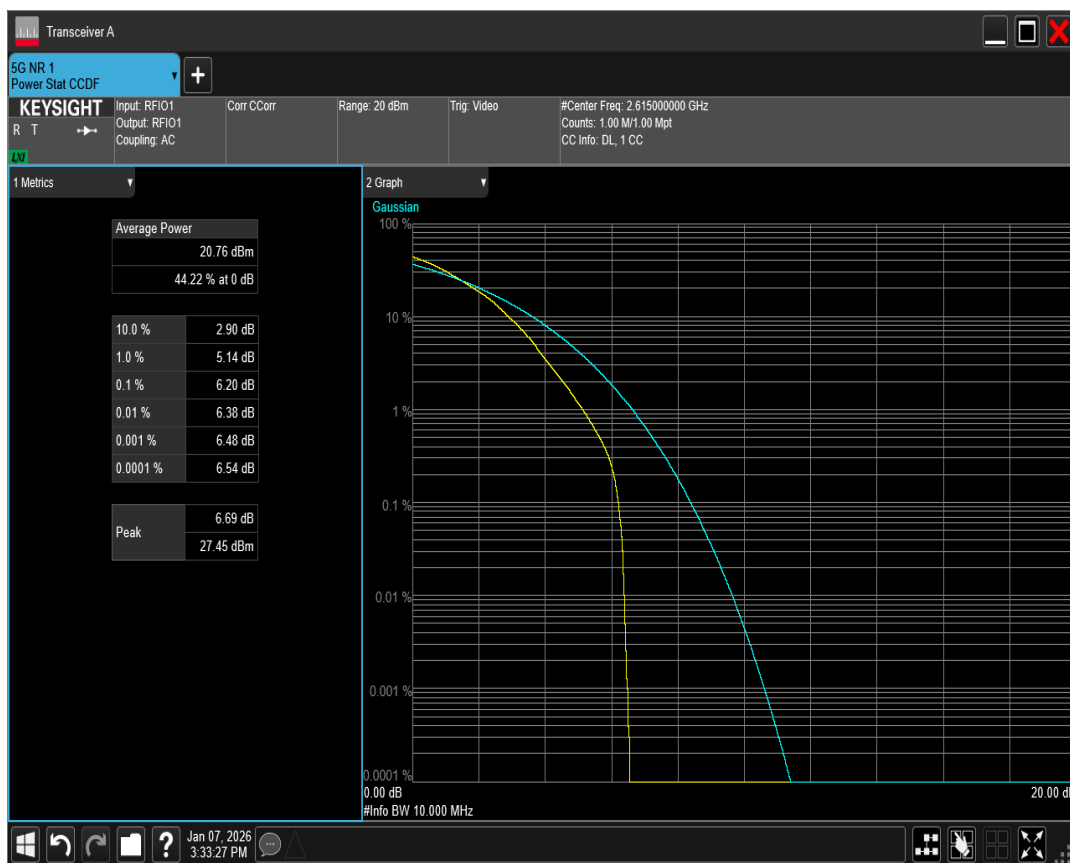
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



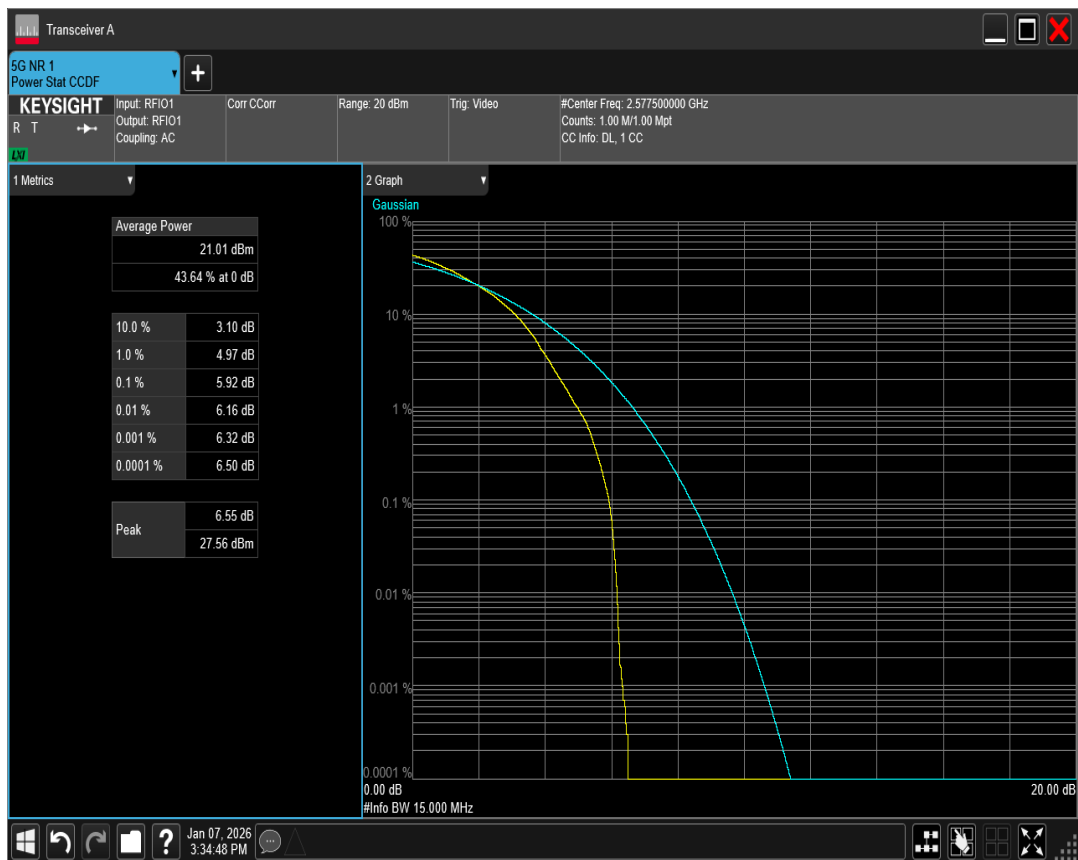
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



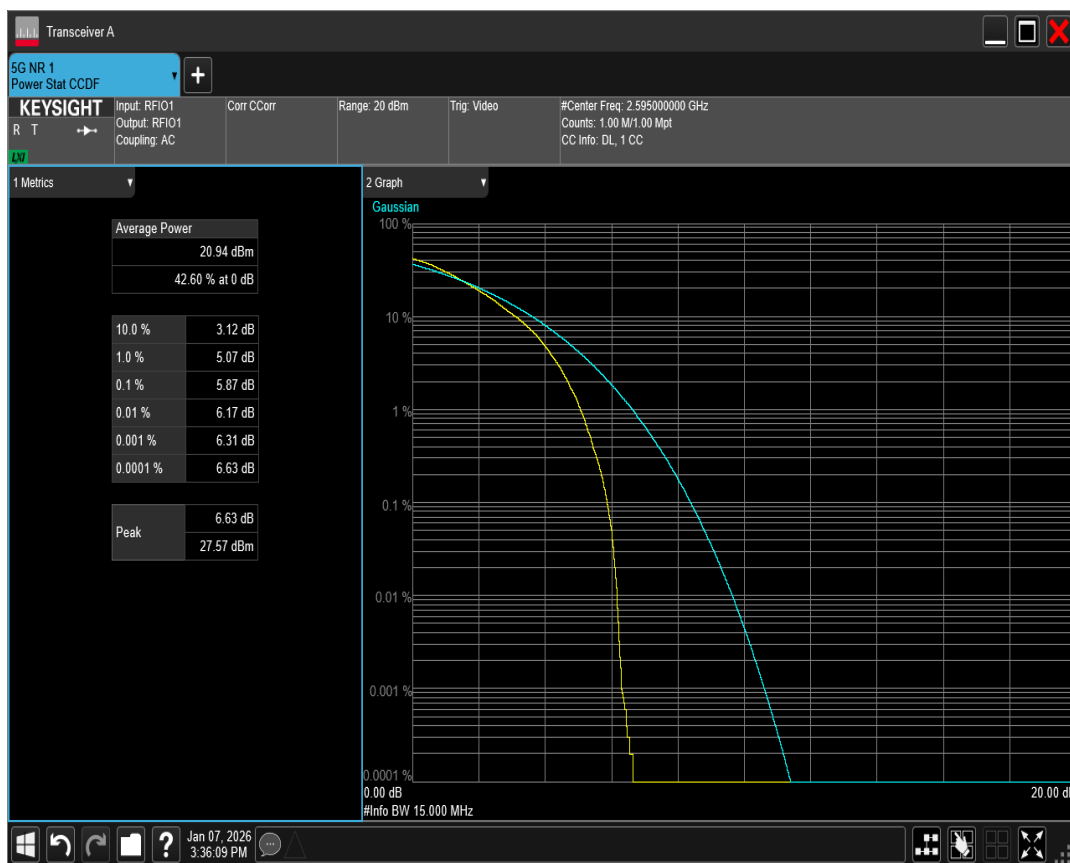
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



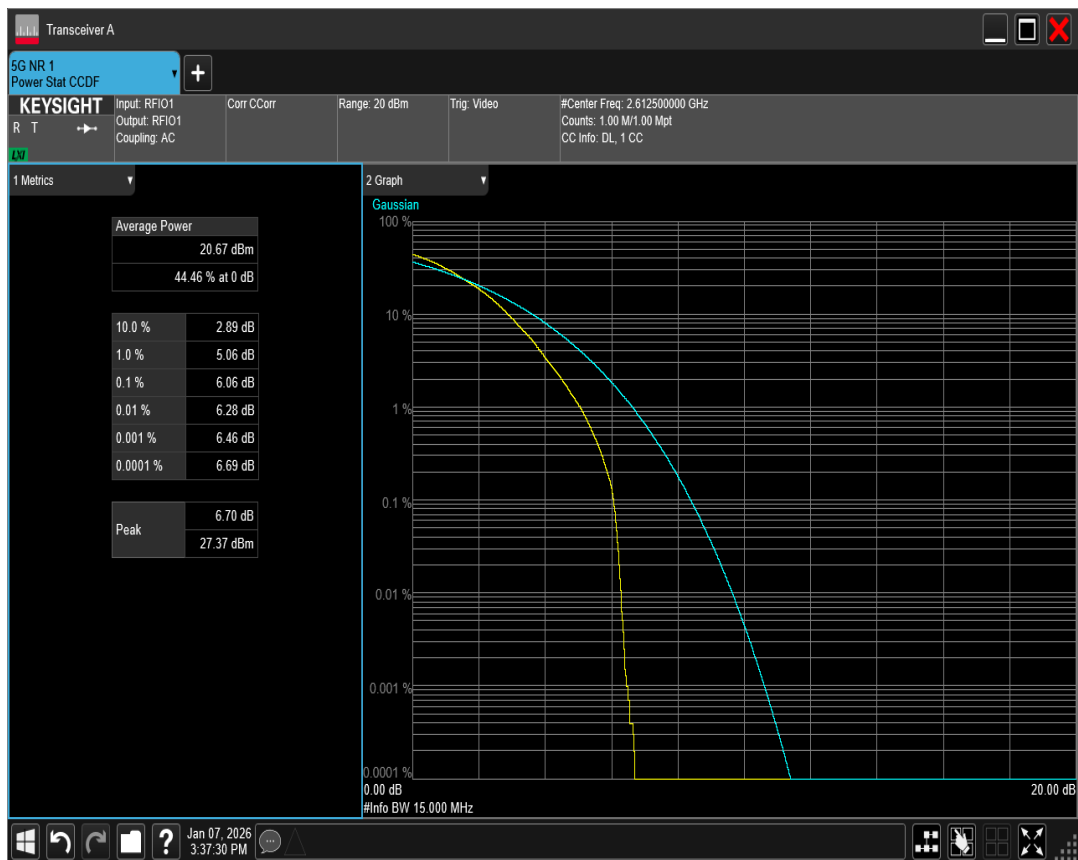
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



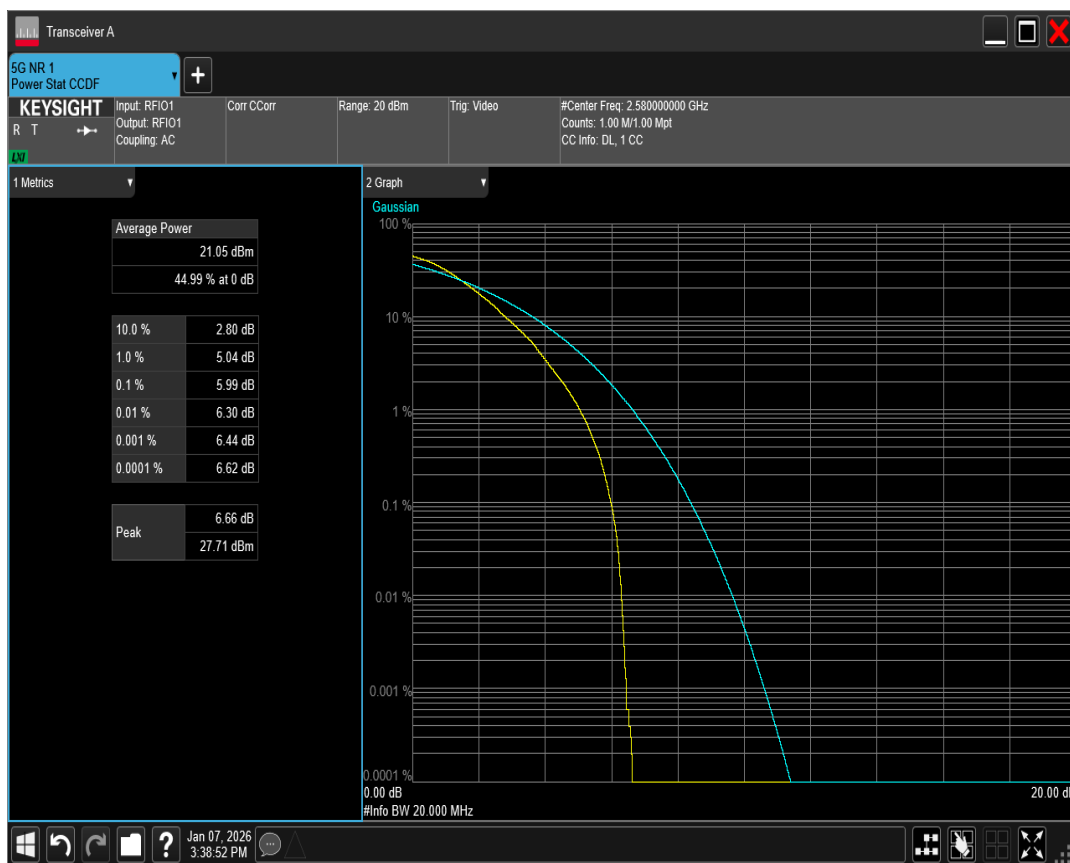
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



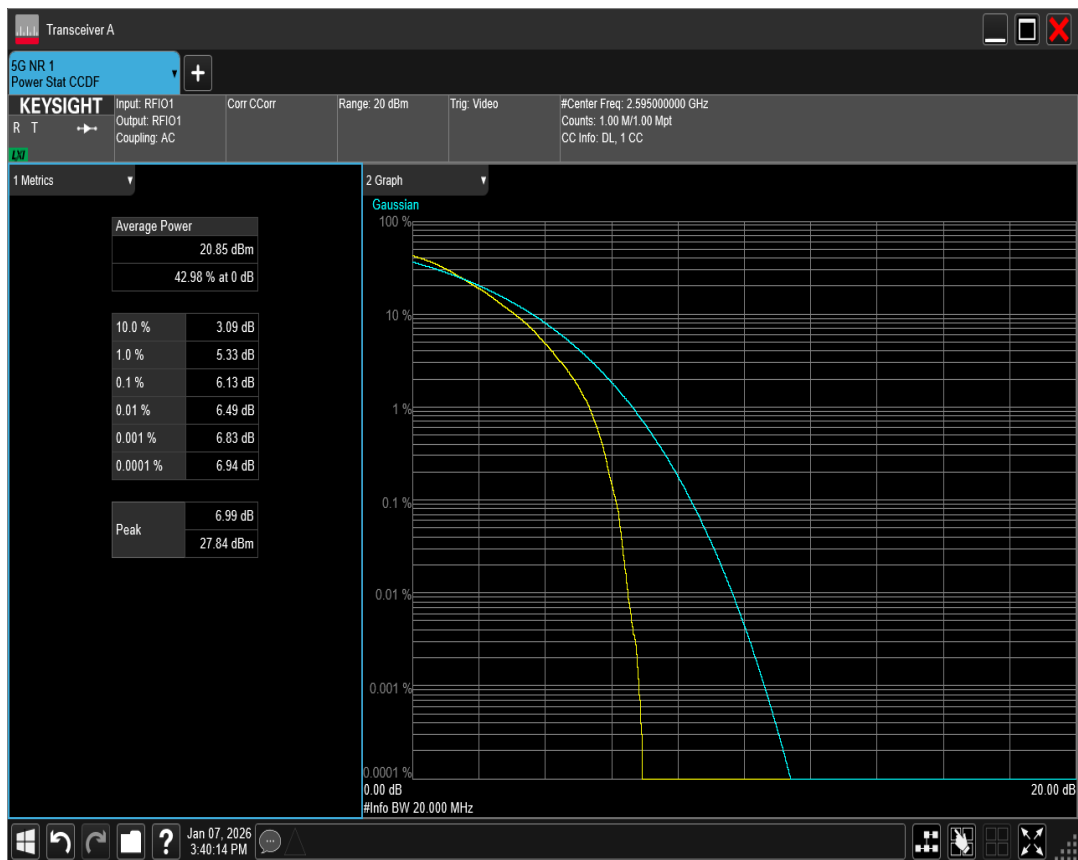
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



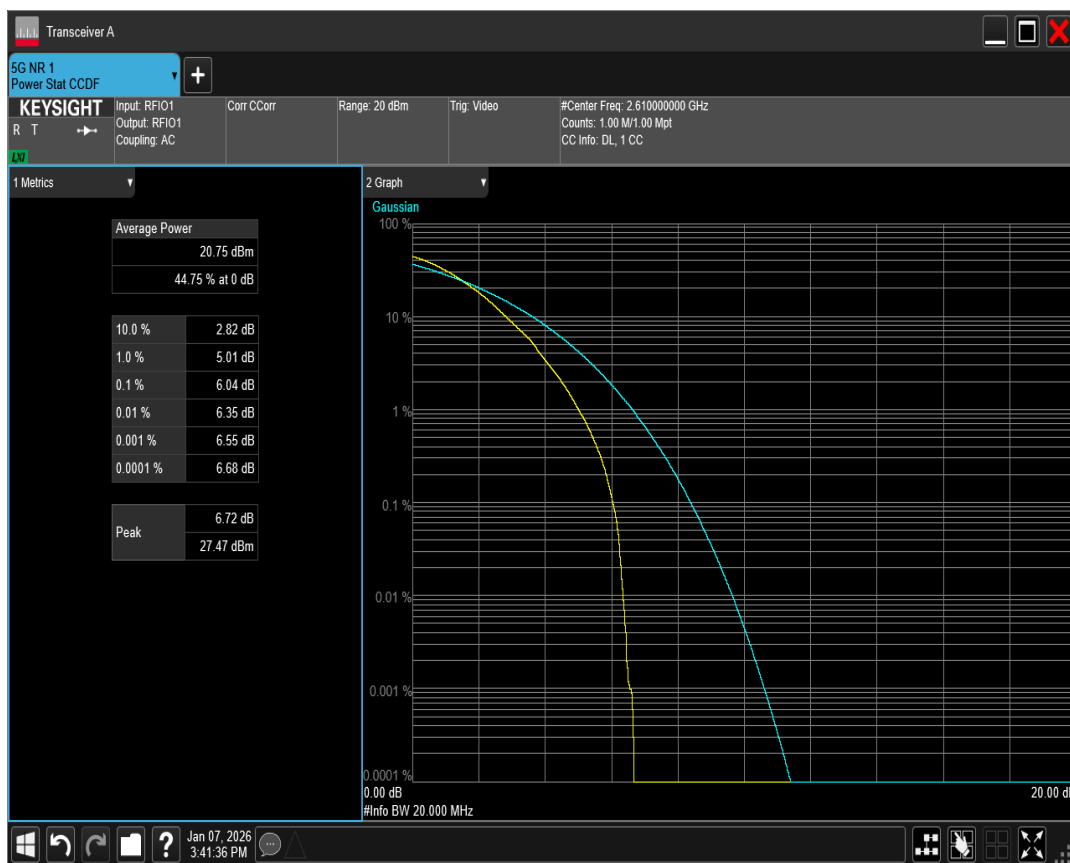
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



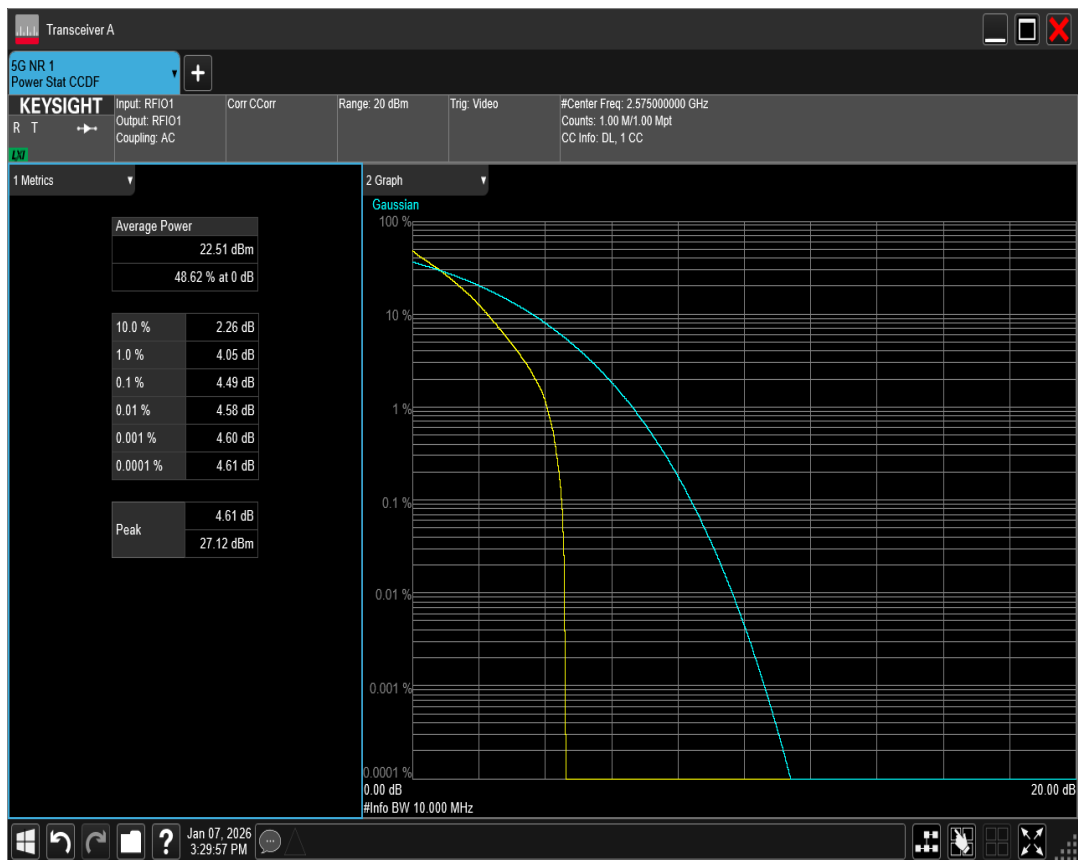
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



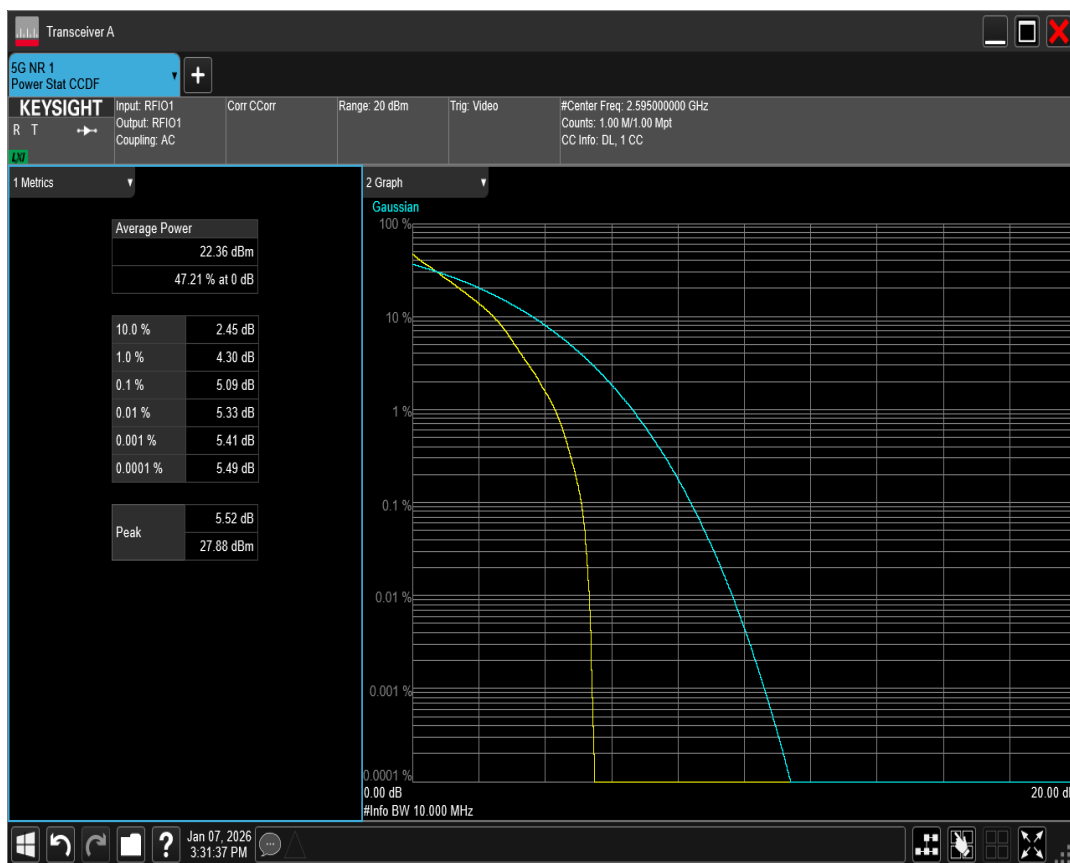
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



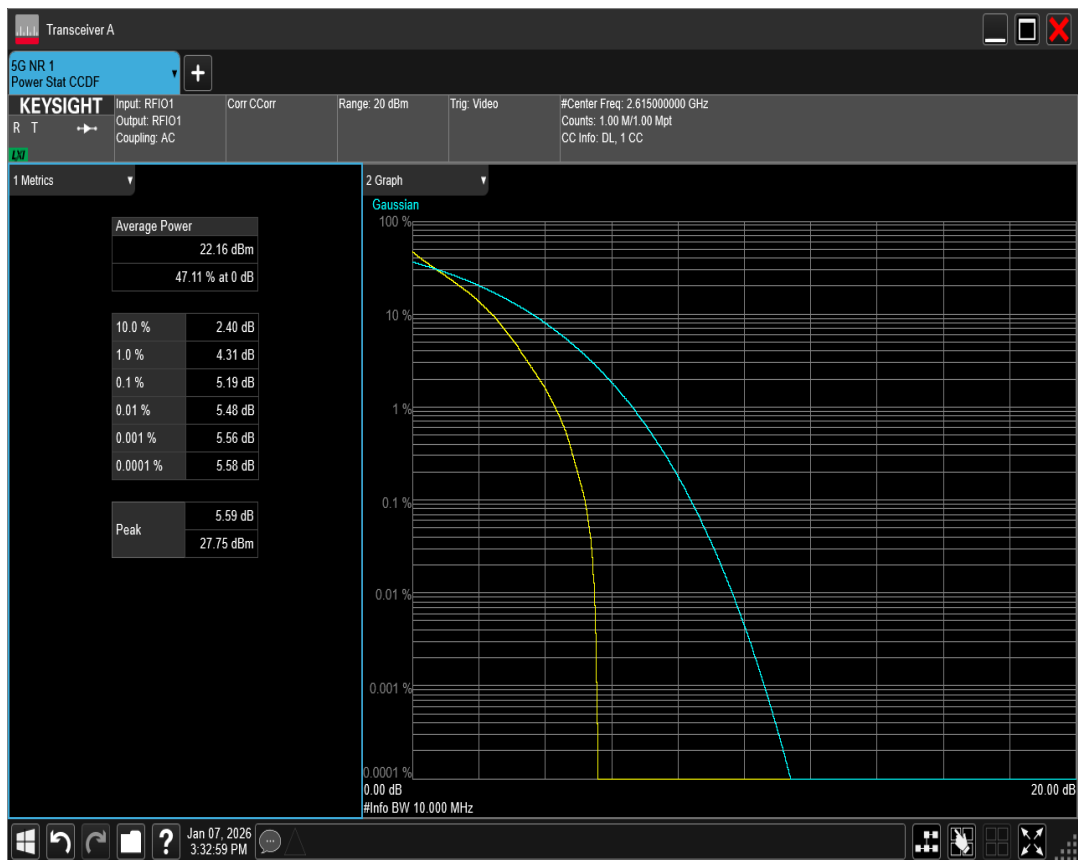
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



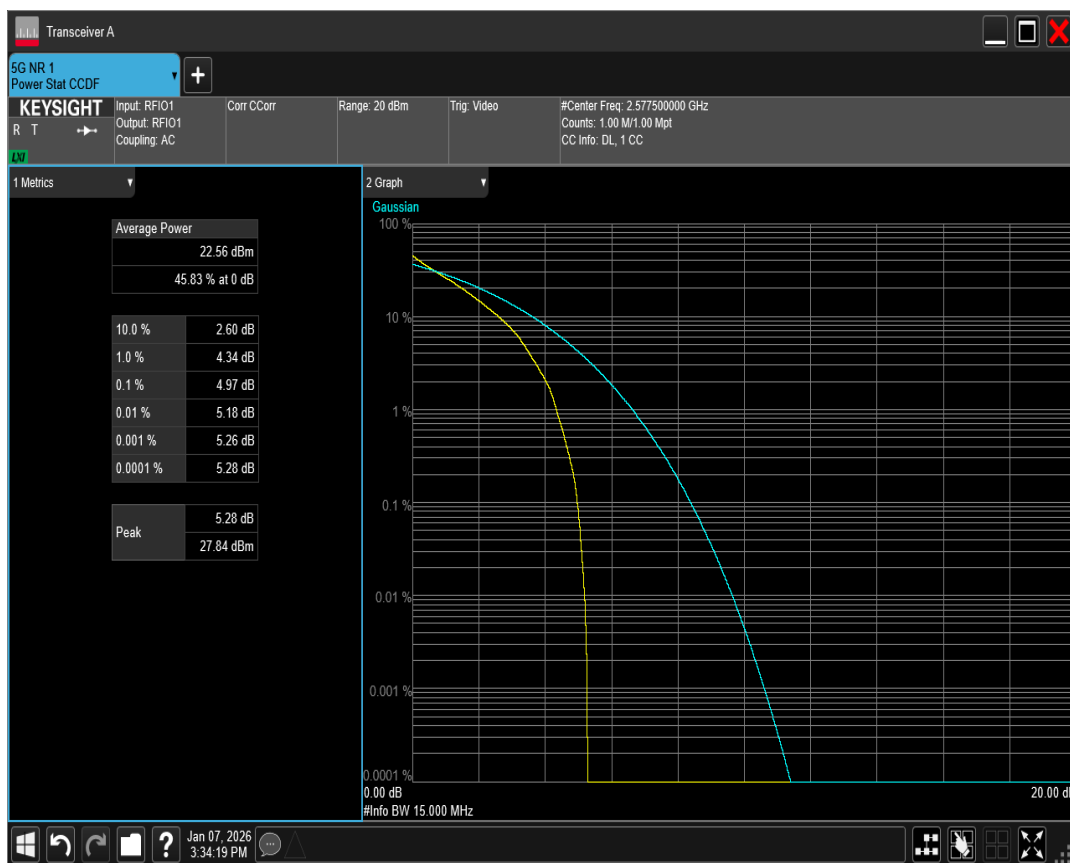
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



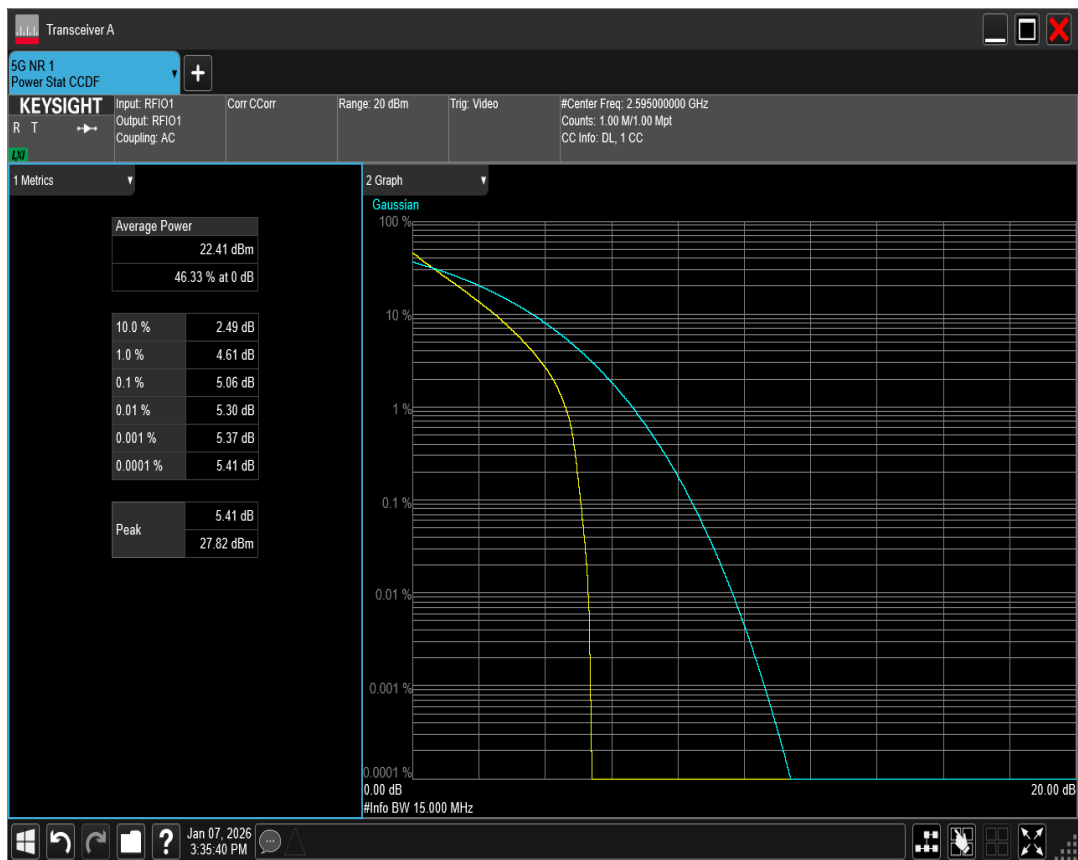
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



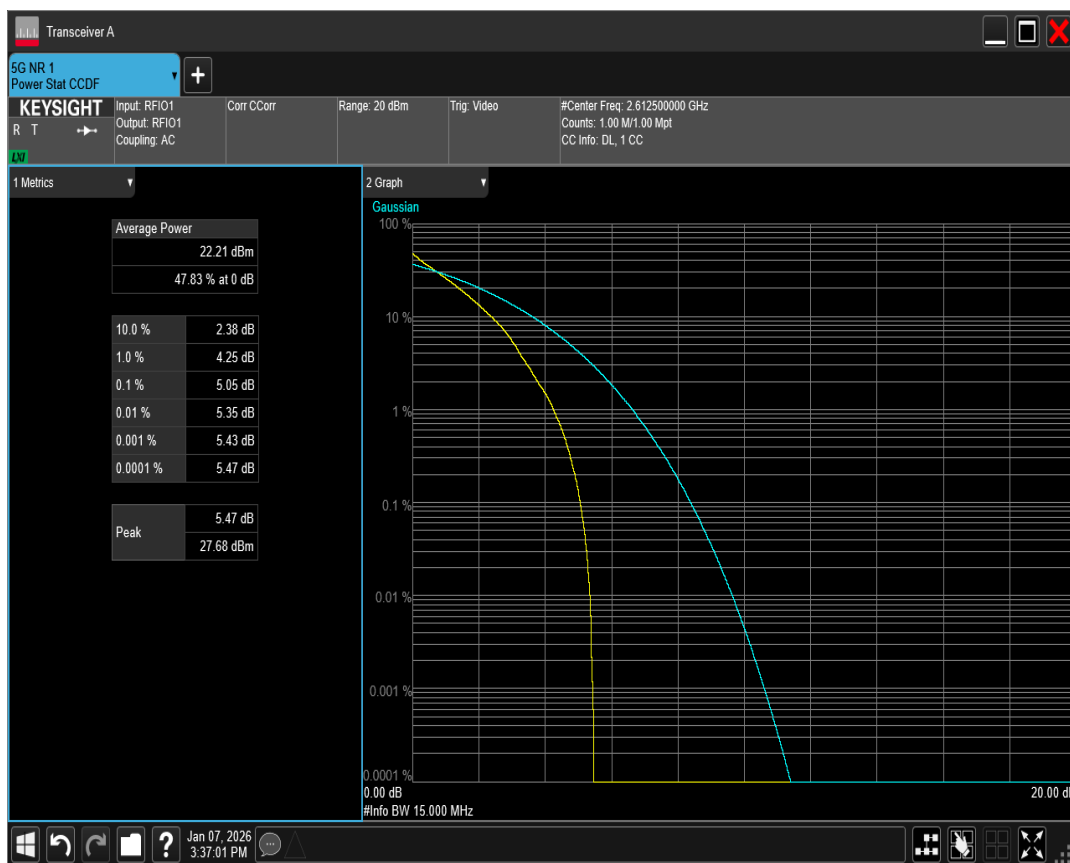
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



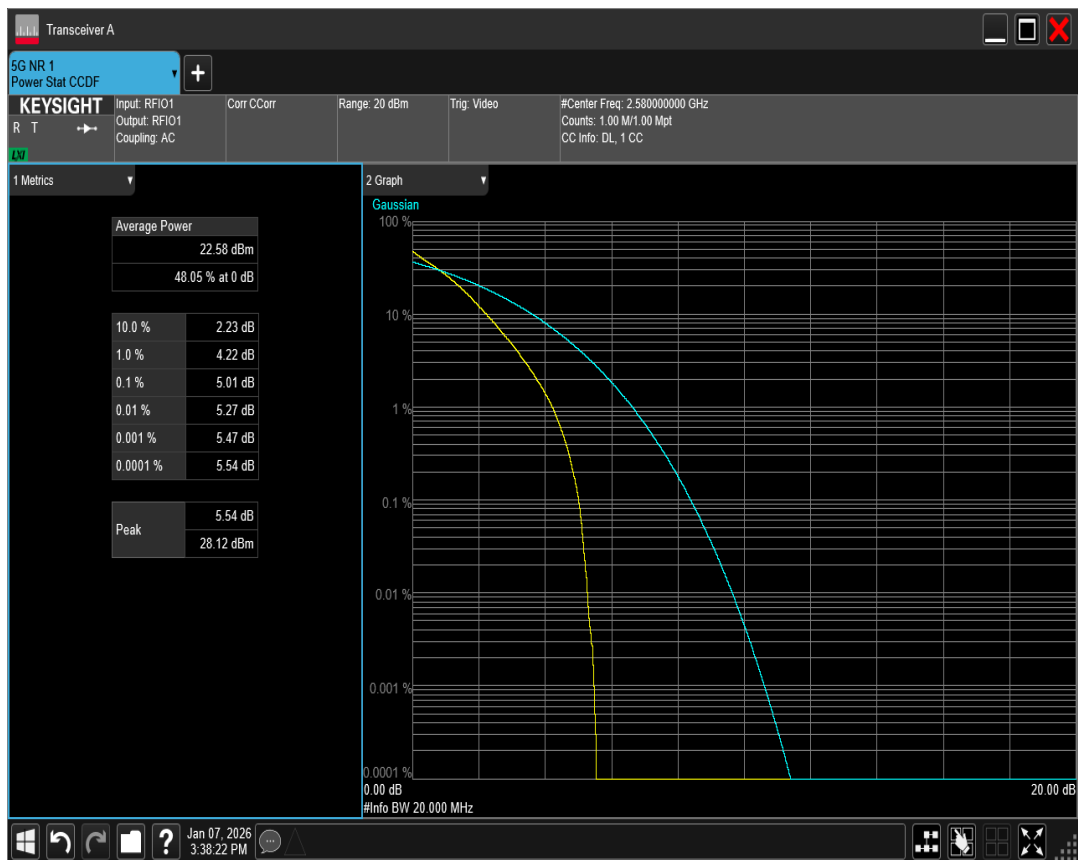
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



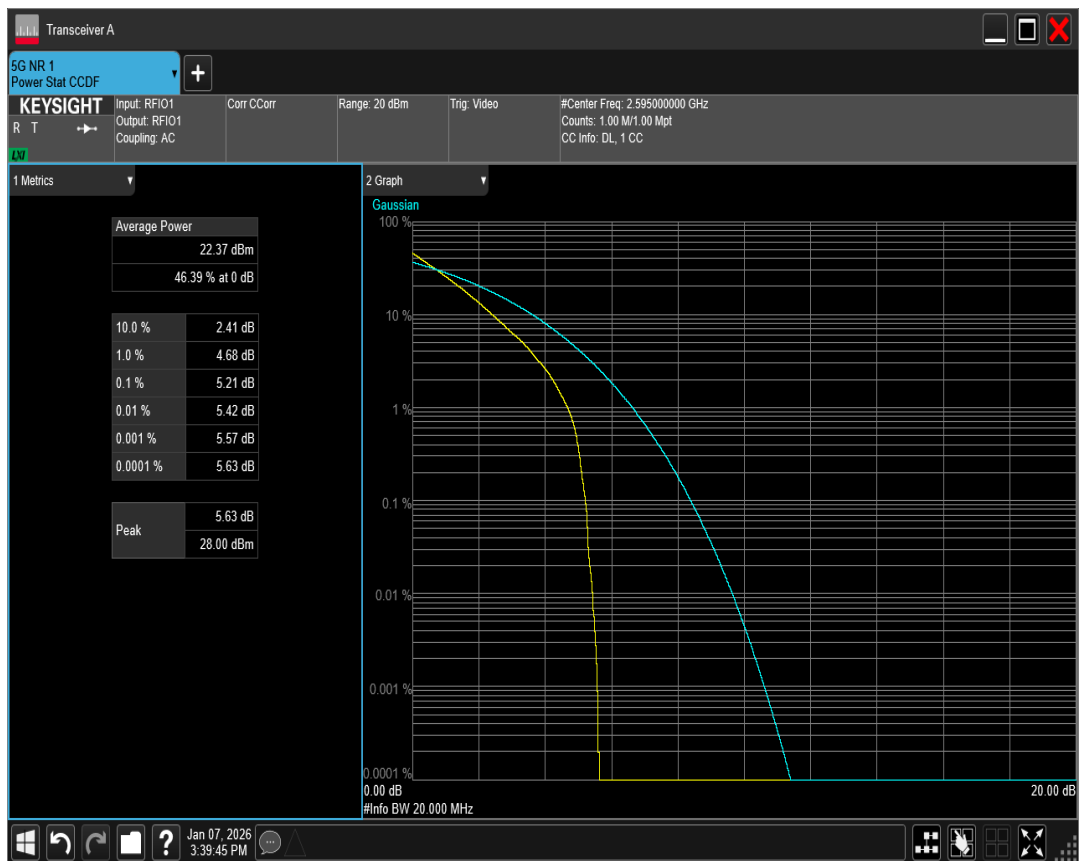
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



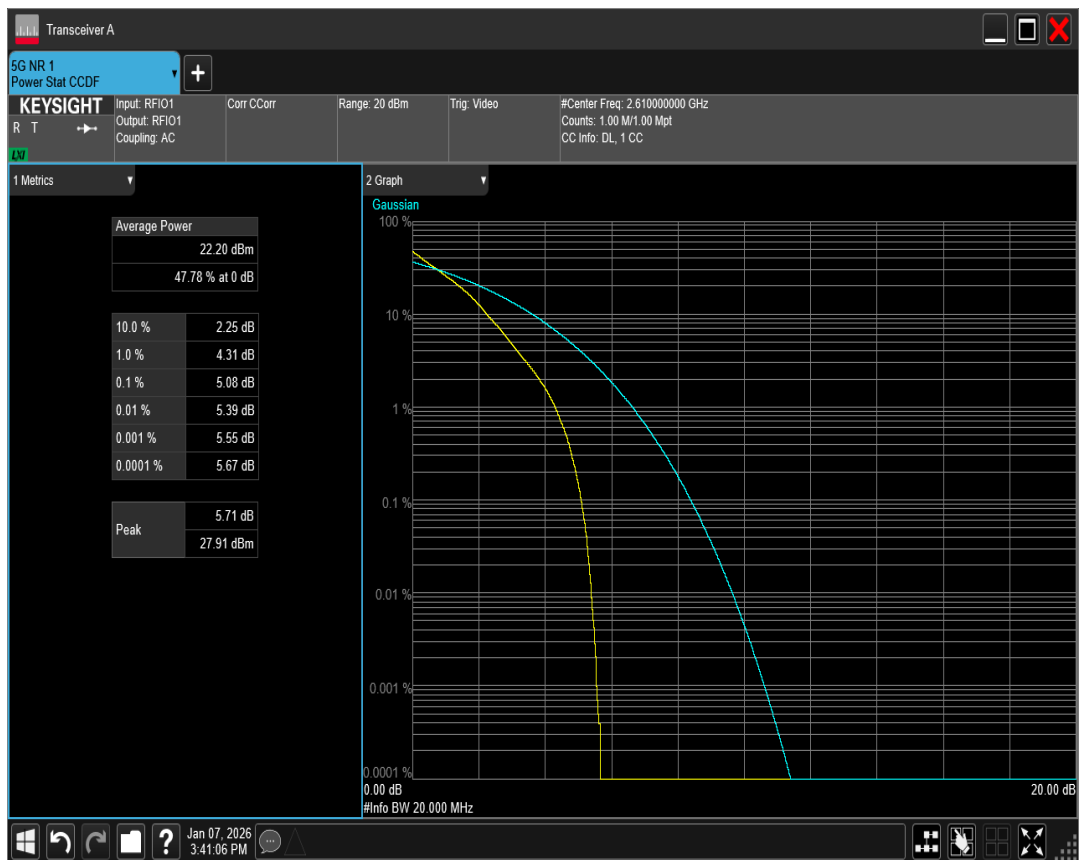
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



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 NR FR1

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	8.580	9.000	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.580	8.880	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.540	8.880	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.390	13.200	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.450	13.200	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.460	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	18.330	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.050	18.350	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.060	18.330	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.030	18.290	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.030	18.270	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



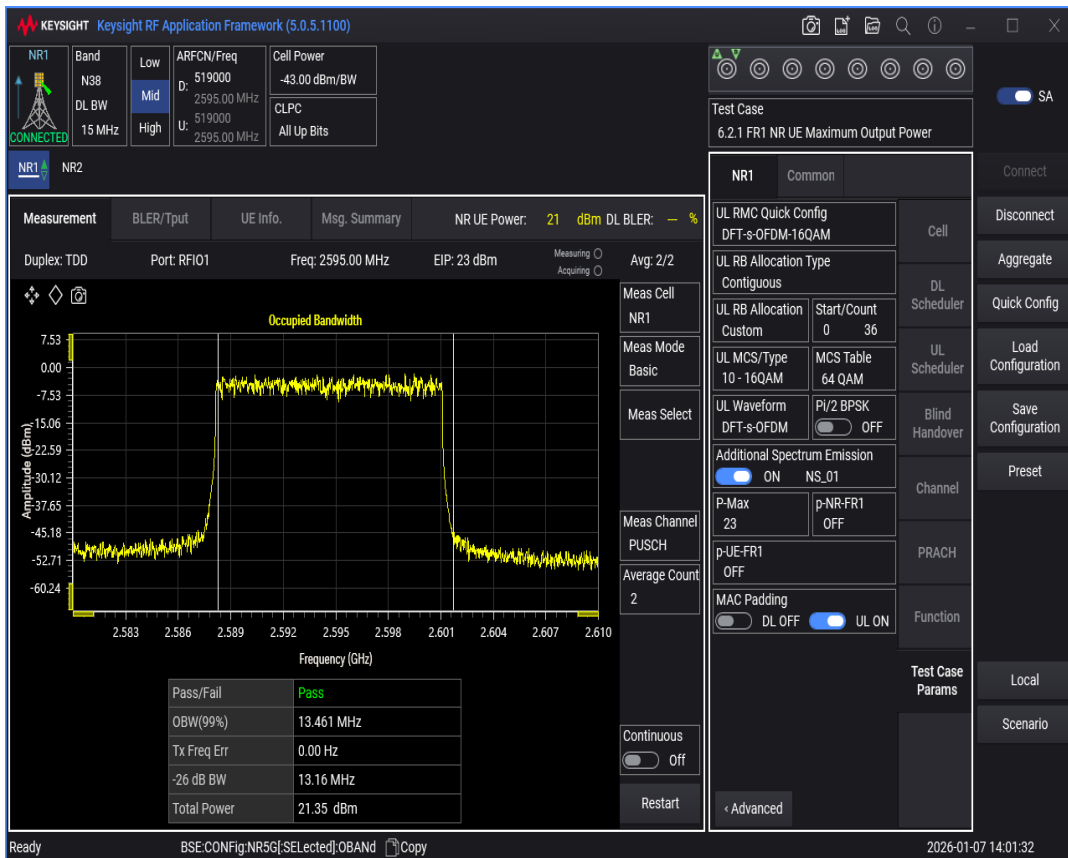
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



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



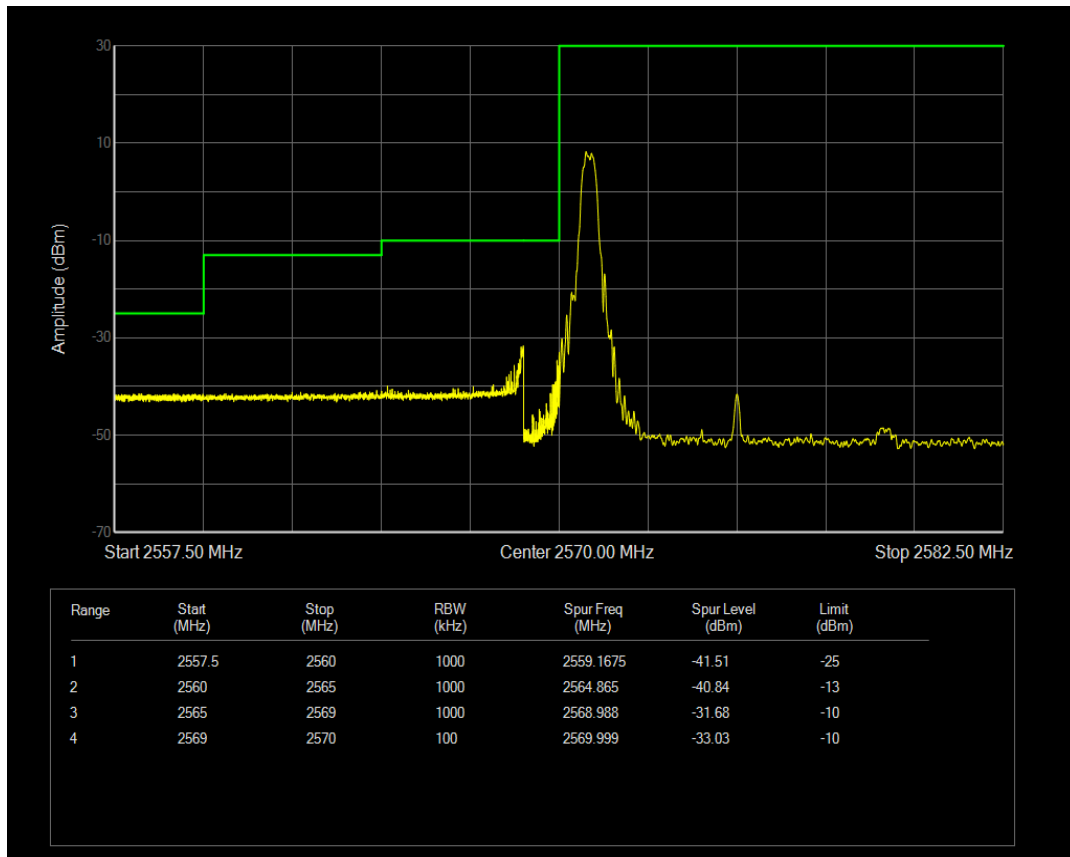
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0

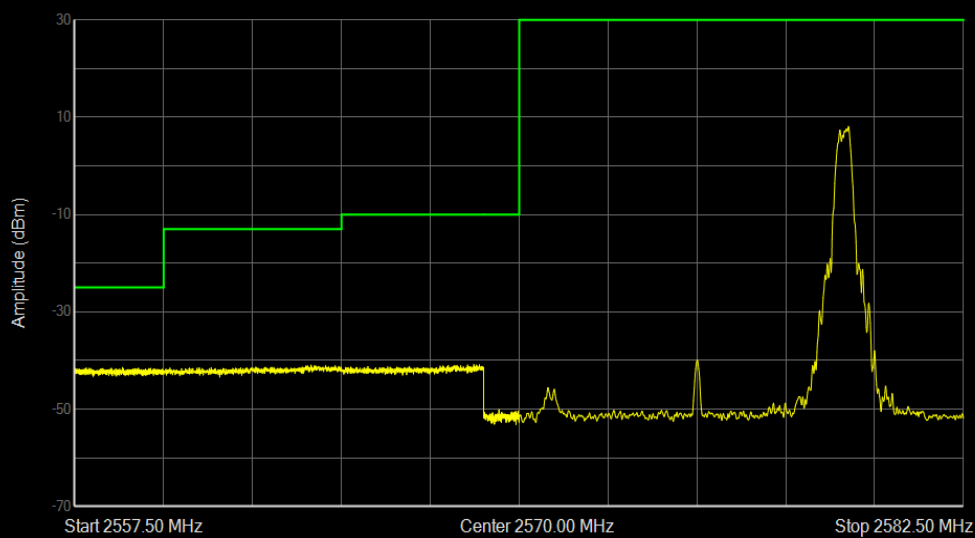


5 Band edge for NR FR1

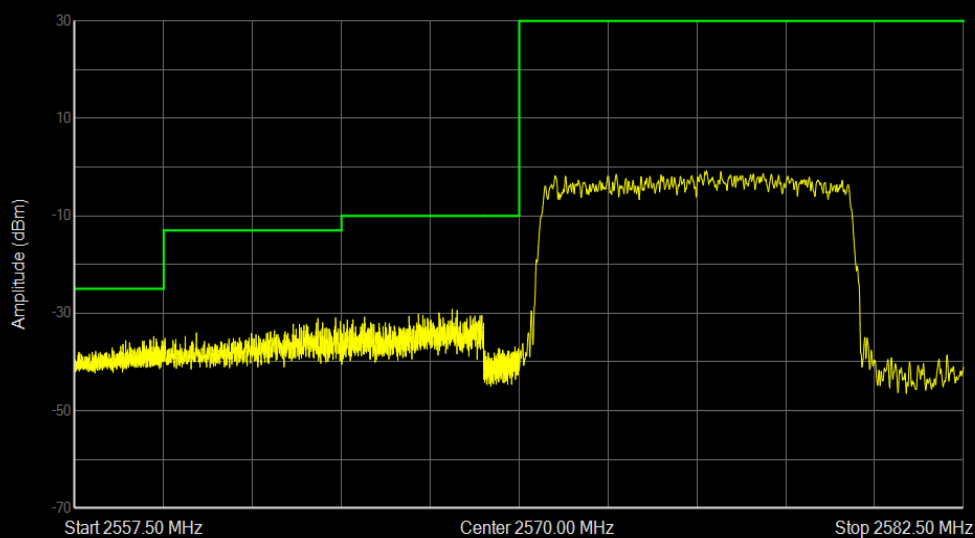
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	2559.72	-34.78	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2559.17	-41.51	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2558.84	-41.42	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2630.09	-37.22	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2632.48	-41.02	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2631.05	-41.23	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2554.87	-37.13	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2552.12	-41.38	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2553.23	-41.32	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2635.50	-40.00	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2635.61	-41.20	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2636.79	-41.13	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2548.67	-37.44	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2546.32	-41.53	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2546.43	-41.42	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2641.35	-40.65	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2641.36	-41.18	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2645.00	-40.90	-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

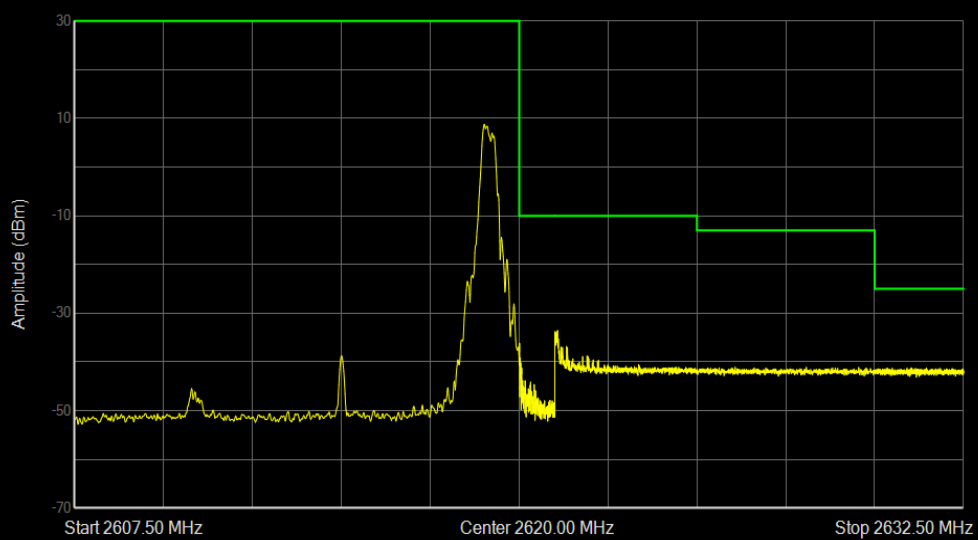
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2558.84	-41.42	-25
2	2560	2565	1000	2564.145	-40.94	-13
3	2565	2569	1000	2568.724	-40.83	-10
4	2569	2570	100	2569.43	-50.14	-10

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	2559.7175	-34.78	-25
2	2560	2565	1000	2564.835	-30.96	-13
3	2565	2569	1000	2568.112	-29.2	-10
4	2569	2570	200	2569.88	-36.9	-10

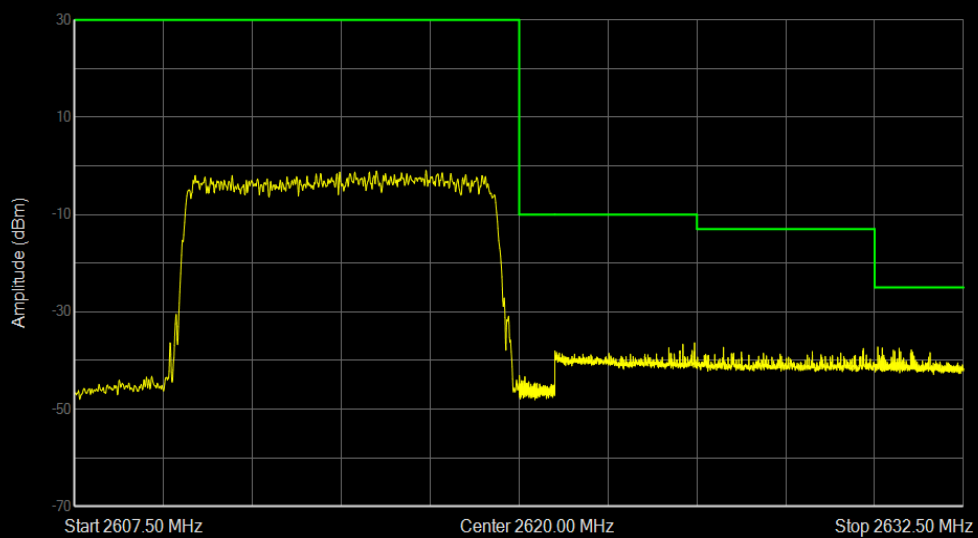
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.192	-50.22	-10
3	2621	2625	1000	2621.68	-40.75	-10
4	2625	2630	1000	2625.395	-40.74	-13
5	2630	2632.5	1000	2632.48	-41.02	-25

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

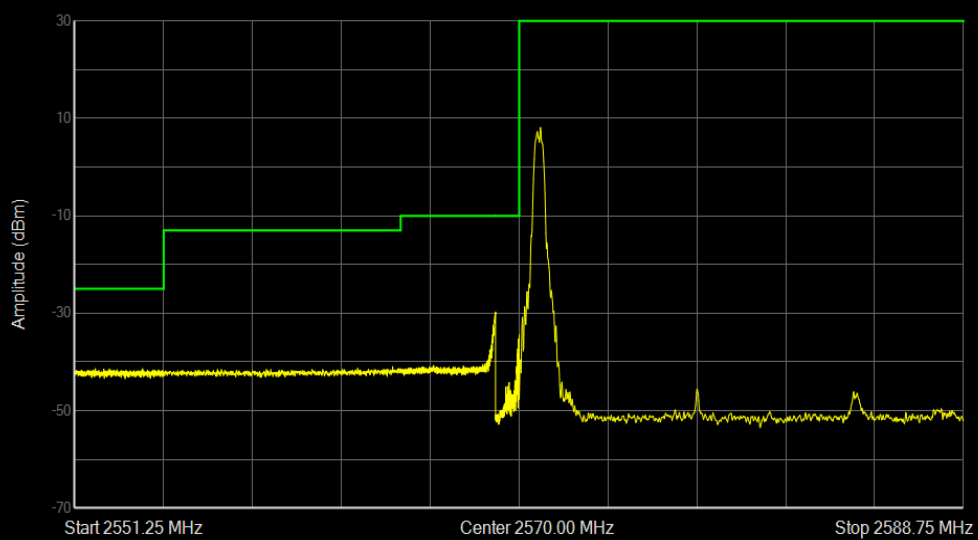
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.008	-36.15	-10
3	2621	2625	1000	2621.08	-33.56	-10
4	2625	2630	1000	2626.075	-41.09	-13
5	2630	2632.5	1000	2631.045	-41.23	-25

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



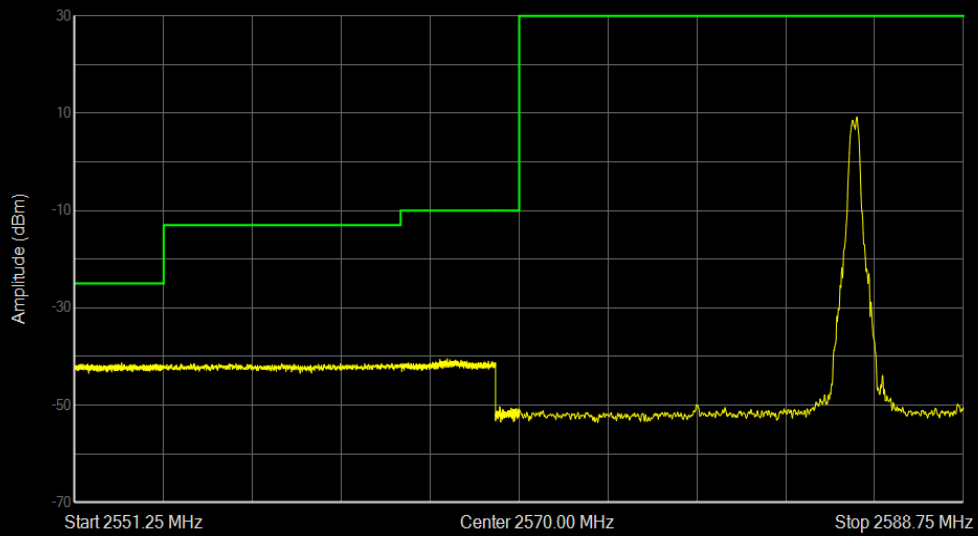
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.004	-43.08	-10
3	2621	2625	1000	2624.932	-36.37	-10
4	2625	2630	1000	2625.745	-37.28	-13
5	2630	2632.5	1000	2630.0875	-37.22	-25

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



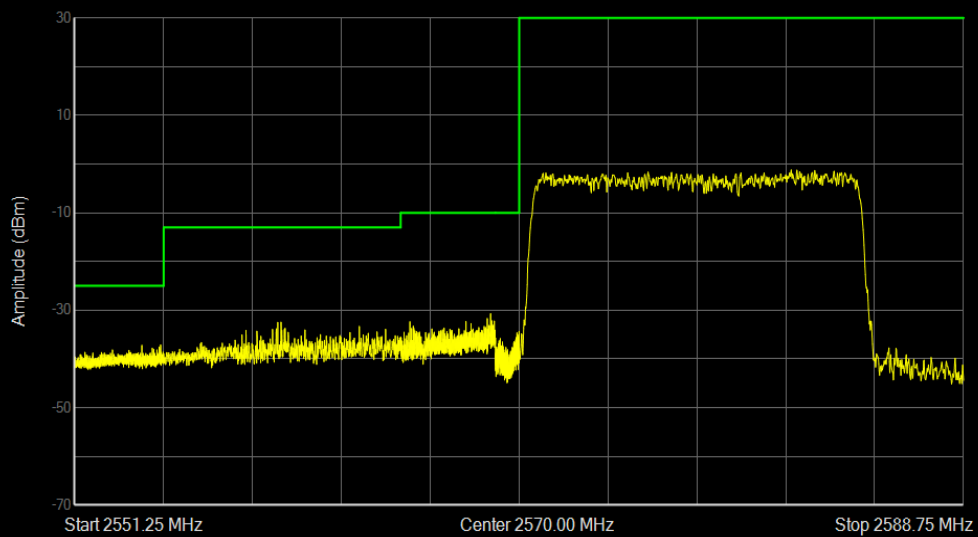
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.11625	-41.38	-25
2	2555	2565	1000	2564.66	-40.97	-13
3	2565	2569	1000	2569	-29.77	-10
4	2569	2570	100	2570	-34.44	-10

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	2553.22625	-41.32	-25
2	2555	2565	1000	2559.97	-41.44	-13
3	2565	2569	1000	2566.96	-40.48	-10
4	2569	2570	100	2569.18	-50.35	-10

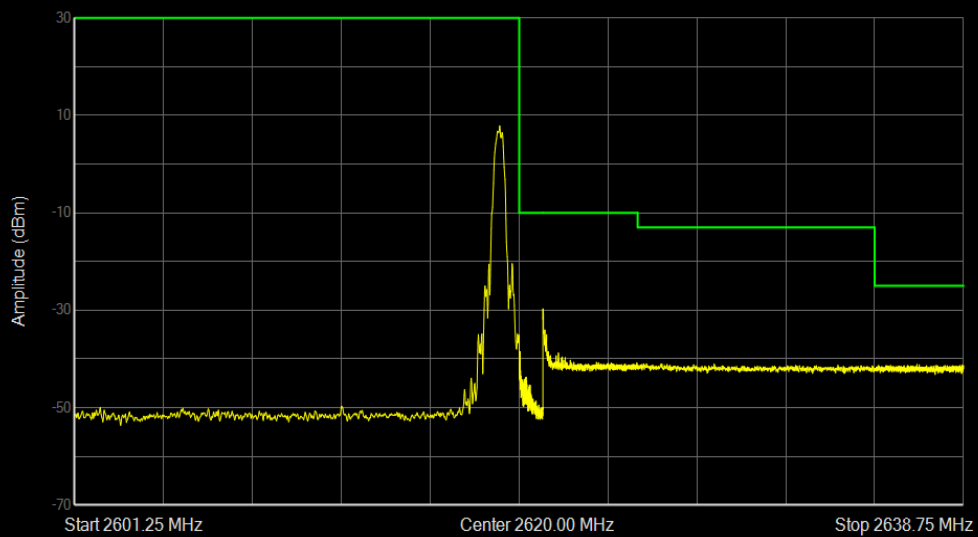
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0



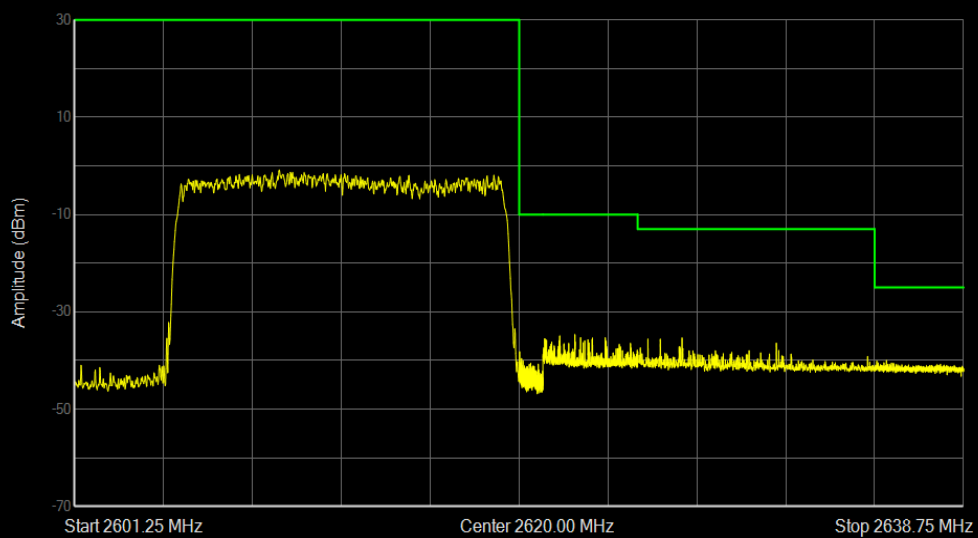
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.86875	-37.13	-25
2	2555	2565	1000	2559.95	-32.45	-13
3	2565	2569	1000	2568.792	-30.71	-10
4	2569	2570	300	2569.994	-34.34	-10

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

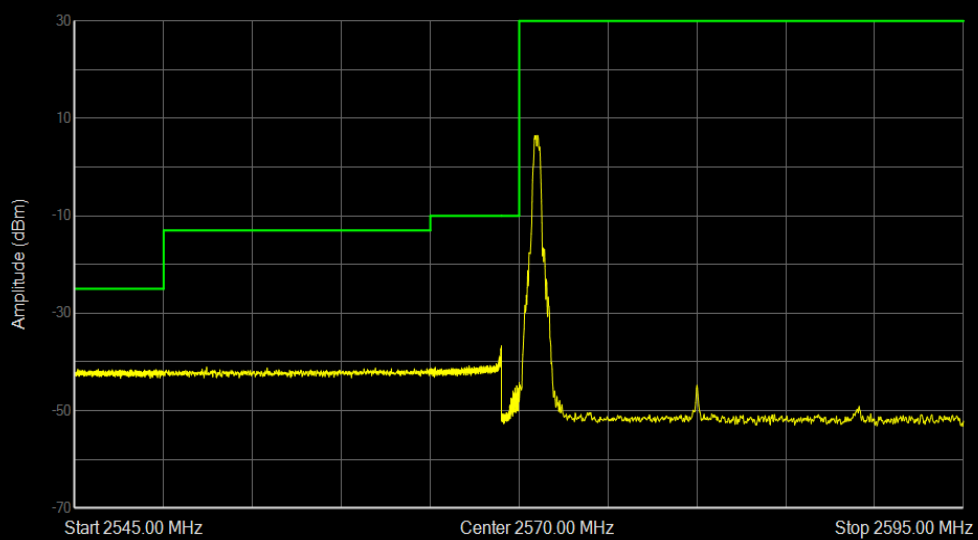
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.746	-50.25	-10
3	2621	2625	1000	2623.308	-40.31	-10
4	2625	2635	1000	2625.19	-40.93	-13
5	2635	2638.75	1000	2635.61125	-41.2	-25

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	2620.039	-38.48	-10
3	2621	2625	1000	2621.016	-29.82	-10
4	2625	2635	1000	2625.37	-40.98	-13
5	2635	2638.75	1000	2636.785	-41.13	-25

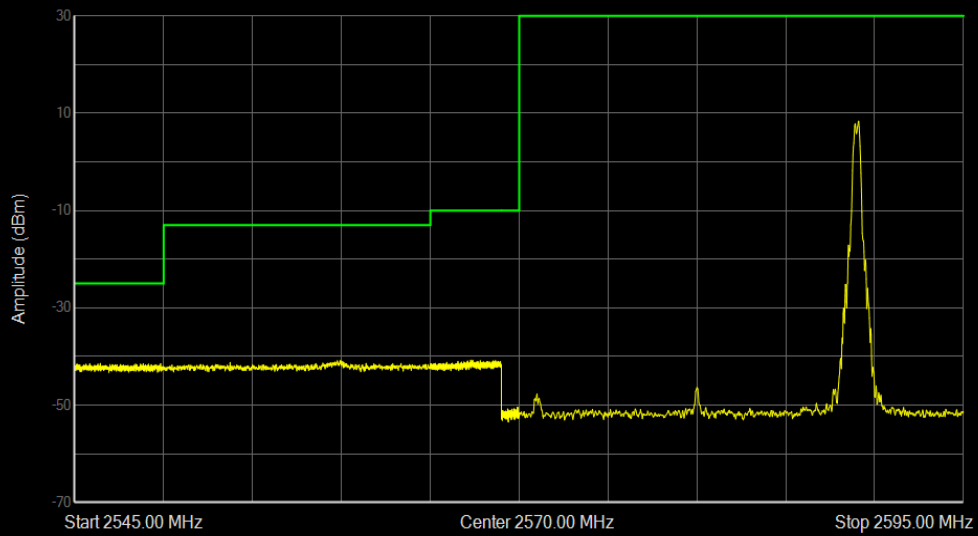
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.017	-38.18	-10
3	2621	2625	1000	2622.348	-34.68	-10
4	2625	2635	1000	2626.87	-35.36	-13
5	2635	2638.75	1000	2635.495	-40	-25

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

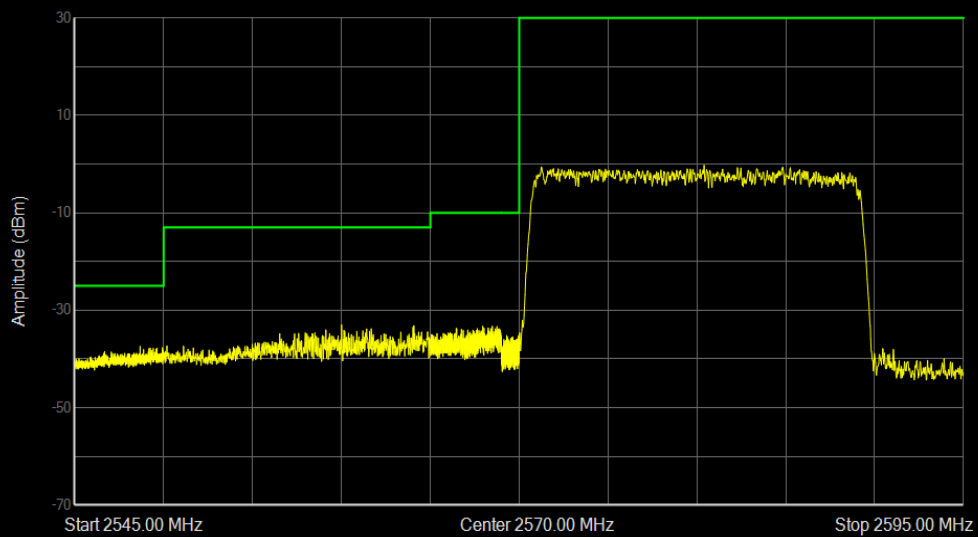
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2546.315	-41.53	-25
2	2550	2565	1000	2552.415	-41.08	-13
3	2565	2569	1000	2568.996	-36.71	-10
4	2569	2570	100	2570	-44.2	-10

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	2546.43	-41.42	-25
2	2550	2565	1000	2559.96	-40.86	-13
3	2565	2569	1000	2567.268	-40.75	-10
4	2569	2570	100	2569.883	-50.45	-10

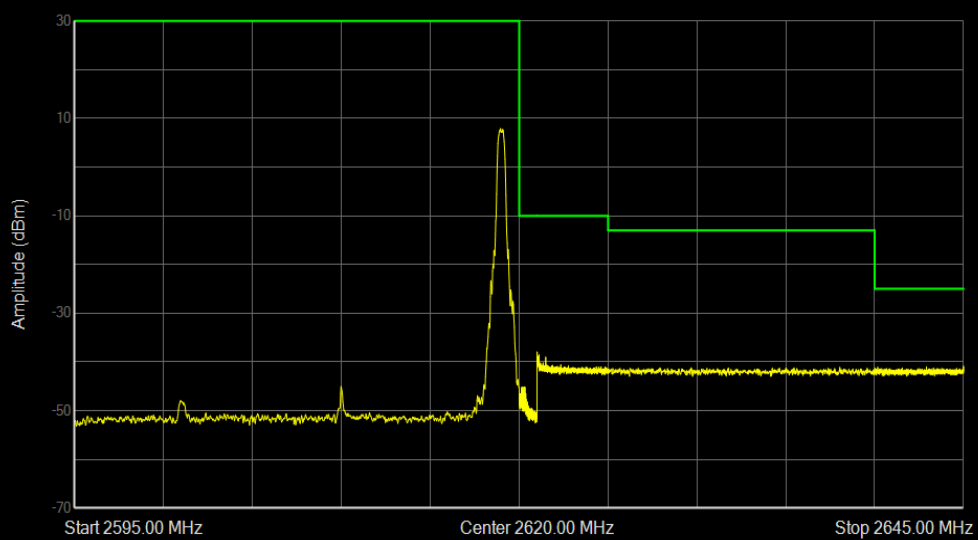
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2548.67	-37.44	-25
2	2550	2565	1000	2560.005	-33.01	-13
3	2565	2569	1000	2567.948	-33.3	-10
4	2569	2570	430	2569.291	-35.21	-10

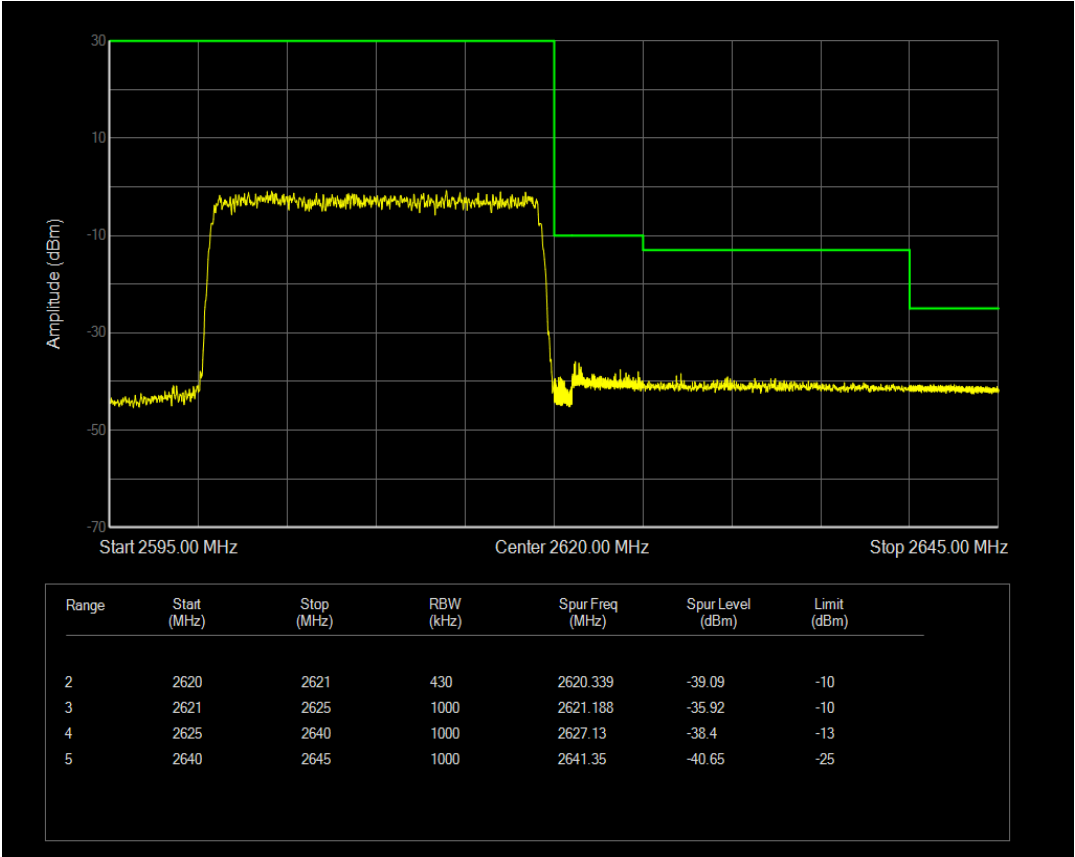
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.639	-50.57	-10
3	2621	2625	1000	2621.396	-40.61	-10
4	2625	2640	1000	2630.22	-40.75	-13
5	2640	2645	1000	2641.355	-41.18	-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	2620.275	-45.12	-10
3	2621	2625	1000	2621.008	-37.95	-10
4	2625	2640	1000	2638.035	-41.13	-13
5	2640	2645	1000	2644.995	-40.9	-25

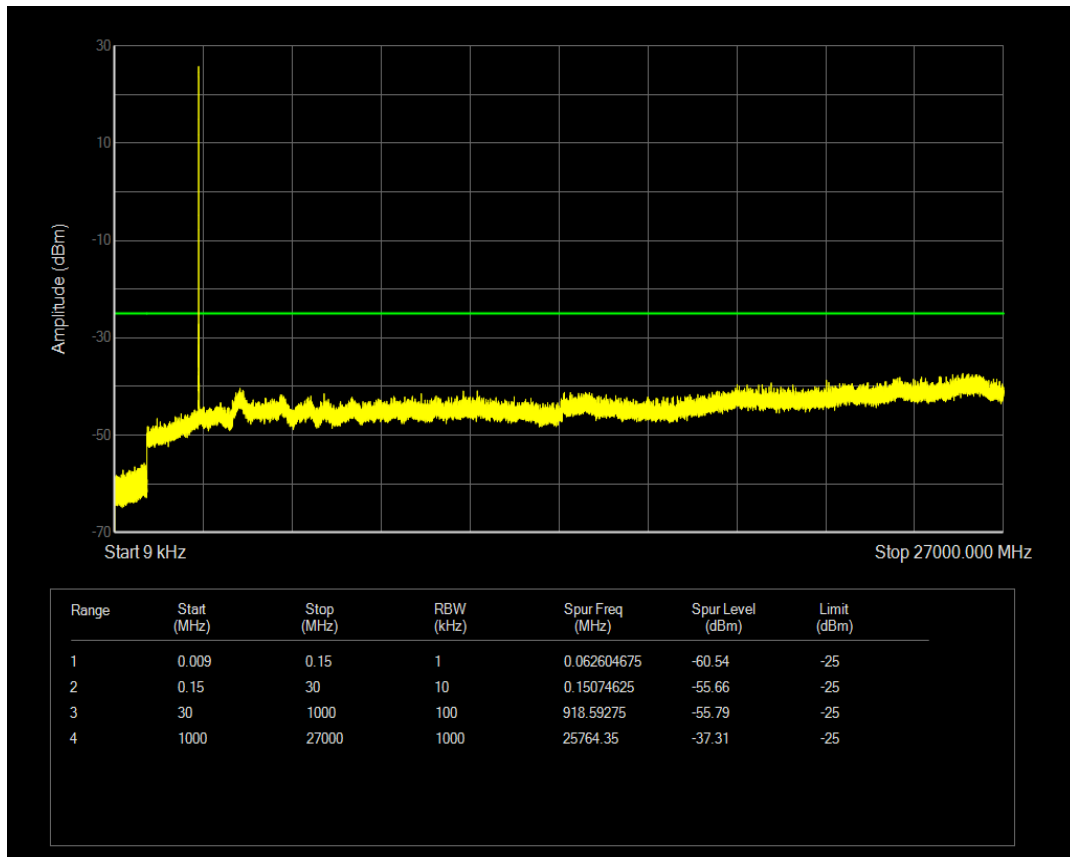
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0

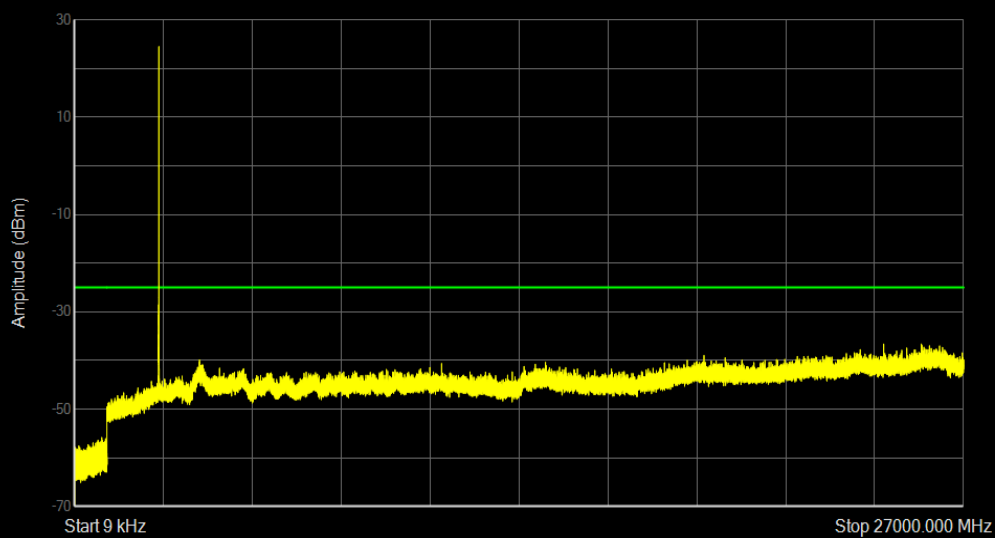


6 Out-of-band emissions for NR FR1

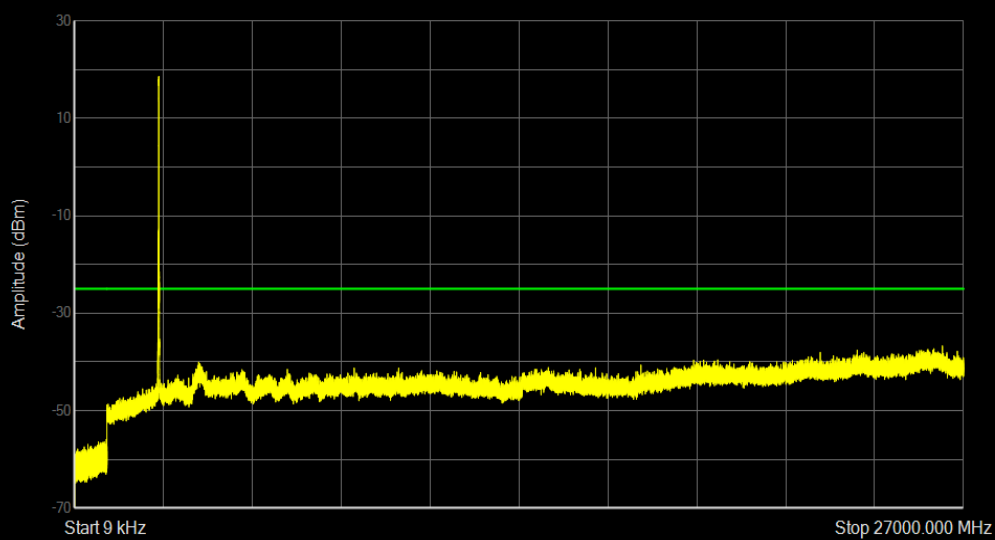
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	26356.50	-36.71	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	25764.35	-37.31	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	25718.20	-36.61	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	26271.35	-36.72	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	23783.15	-36.46	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	25773.45	-36.97	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	26387.70	-37.28	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	26075.70	-35.57	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	25923.60	-36.84	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	25804.65	-36.51	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	26139.40	-36.39	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	26014.60	-36.27	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	25595.35	-37.08	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	26109.50	-36.80	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	26173.85	-36.39	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	26108.85	-36.70	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	26106.25	-36.11	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	26320.10	-36.27	-25	PASS

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

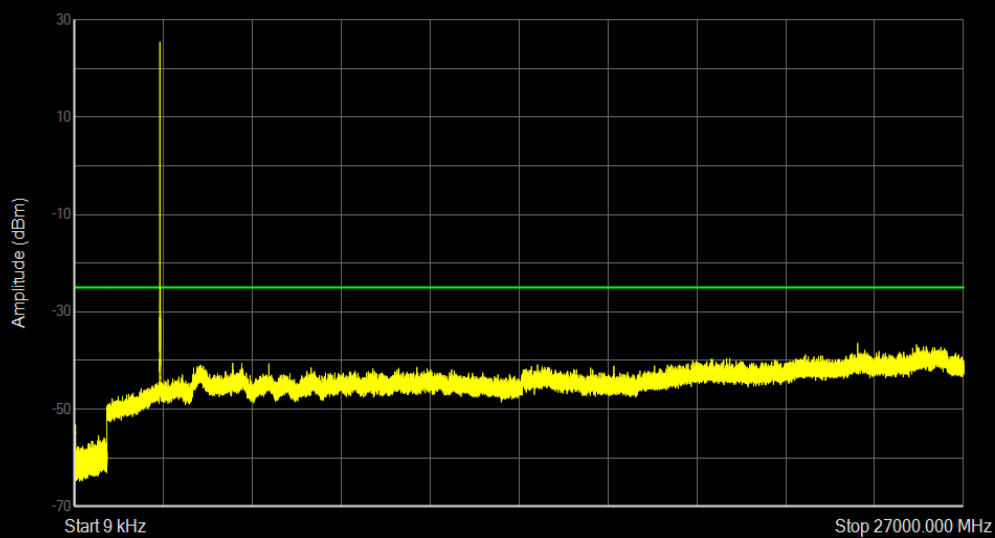


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

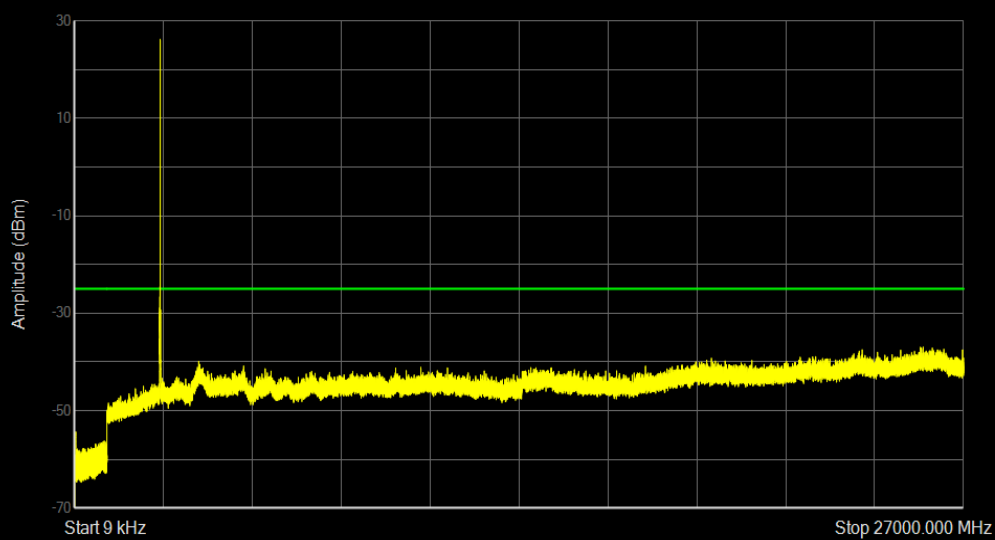
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062548275	-61.08	-25
2	0.15	30	10	0.1544775	-57.38	-25
3	30	1000	100	846.27925	-55.83	-25
4	1000	27000	1000	25718.2	-36.61	-25

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

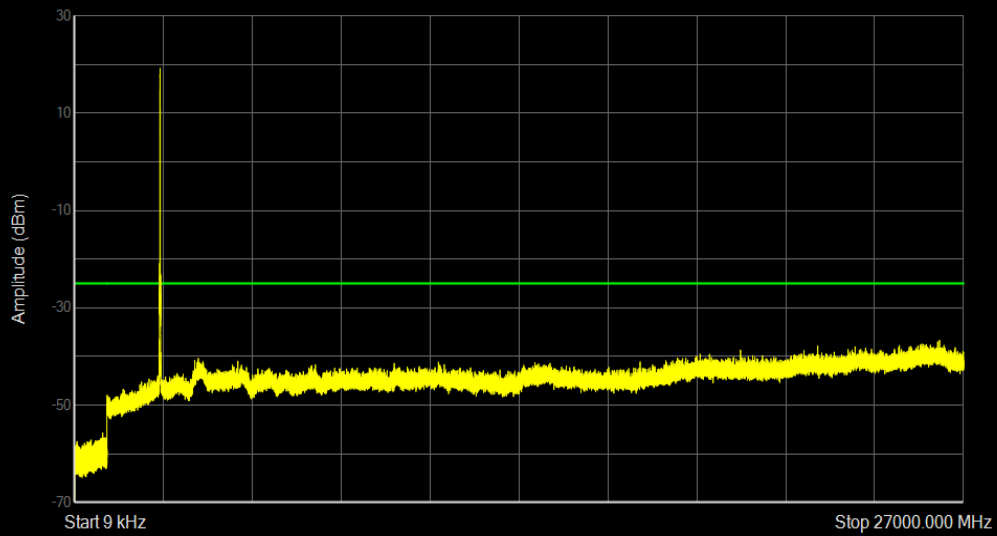
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06272805	-61.42	-25
2	0.15	30	10	0.15522375	-58.01	-25
3	30	1000	100	986.2745	-55.87	-25
4	1000	27000	1000	26356.5	-36.71	-25

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

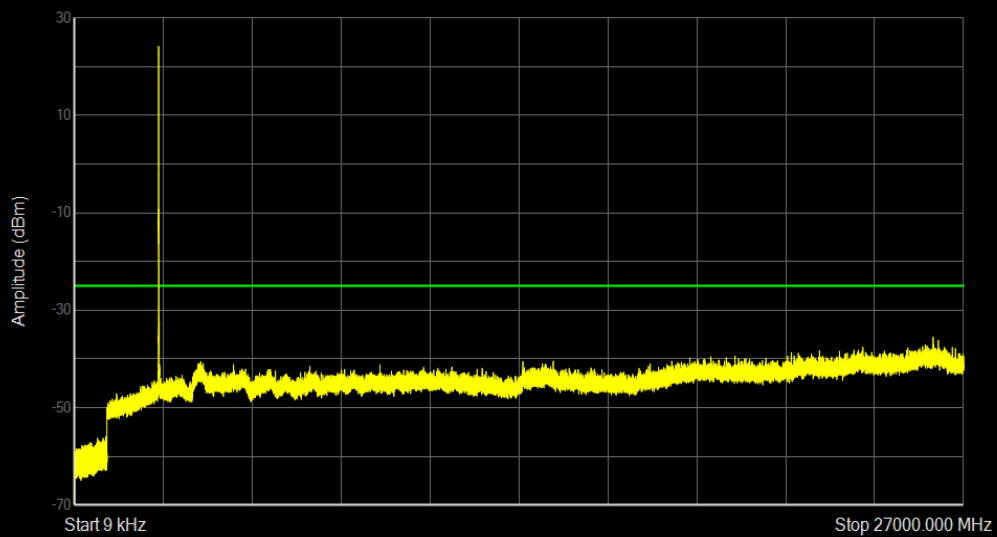
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06274215	-60.84	-25
2	0.15	30	10	0.15	-56.81	-25
3	30	1000	100	49.6425	-53.25	-25
4	1000	27000	1000	23783.15	-36.46	-25

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

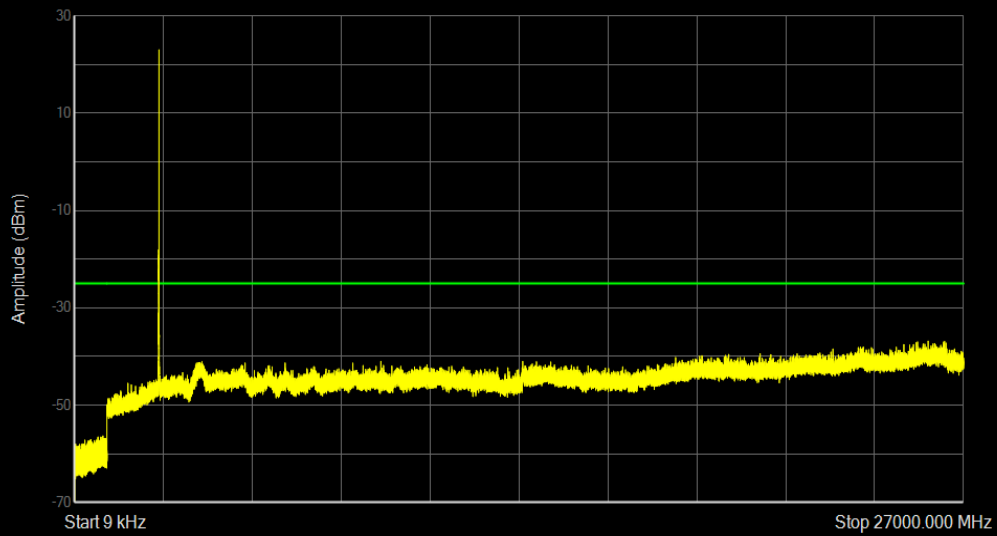
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062724525	-62.25	-25
2	0.15	30	10	0.15522375	-55.42	-25
3	30	1000	100	57.839	-54.36	-25
4	1000	27000	1000	25773.45	-36.97	-25

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

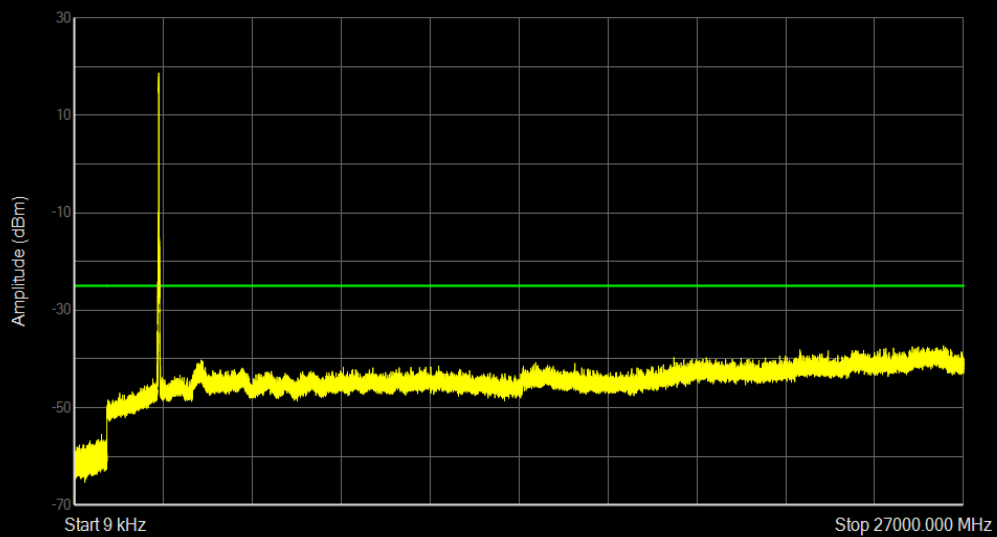
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062802075	-61.5	-25
2	0.15	30	10	0.1514925	-57.57	-25
3	30	1000	100	872.8815	-55.69	-25
4	1000	27000	1000	26271.35	-36.72	-25

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

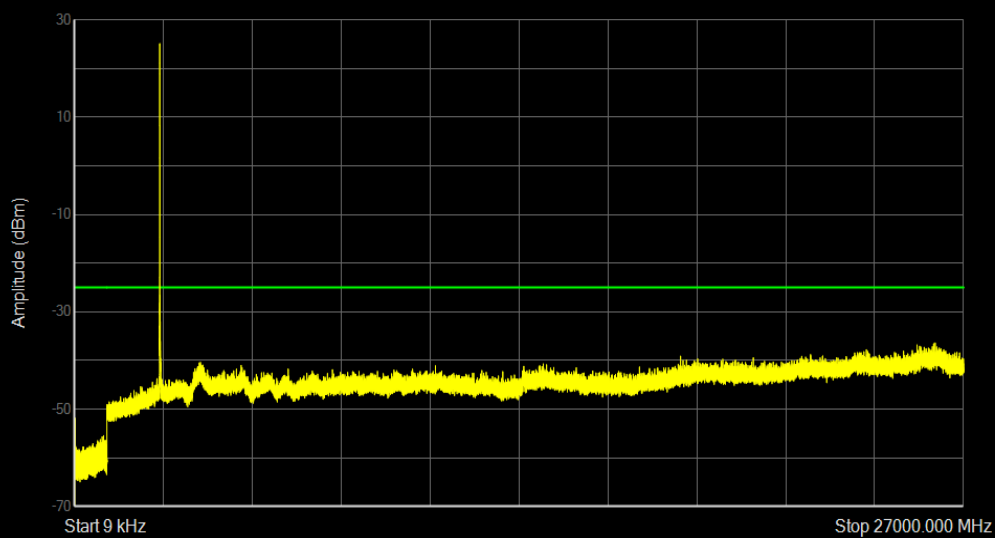
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062830275	-61.03	-25
2	0.15	30	10	0.19701375	-57.94	-25
3	30	1000	100	977.37475	-55.92	-25
4	1000	27000	1000	26075.7	-35.57	-25

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

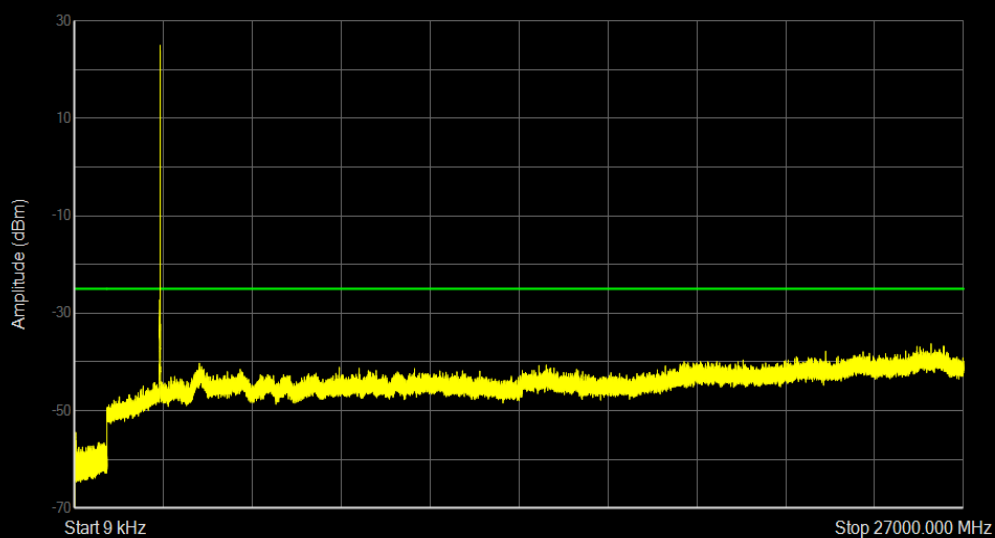
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062421375	-60.84	-25
2	0.15	30	10	0.15074625	-57.12	-25
3	30	1000	100	880.496	-56.32	-25
4	1000	27000	1000	25923.6	-36.84	-25

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

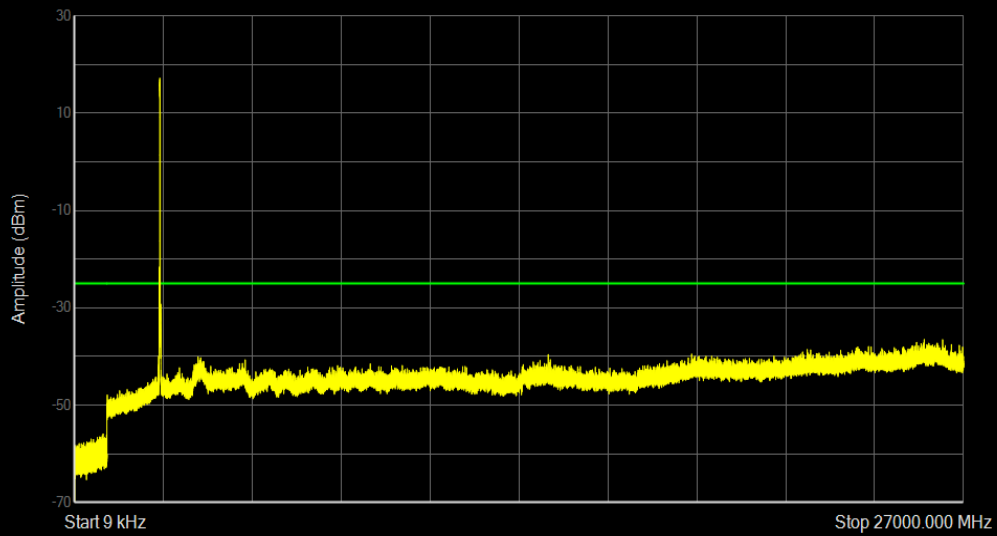
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062858475	-61.46	-25
2	0.15	30	10	0.1574625	-57.38	-25
3	30	1000	100	837.64625	-55.49	-25
4	1000	27000	1000	26387.7	-37.28	-25

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

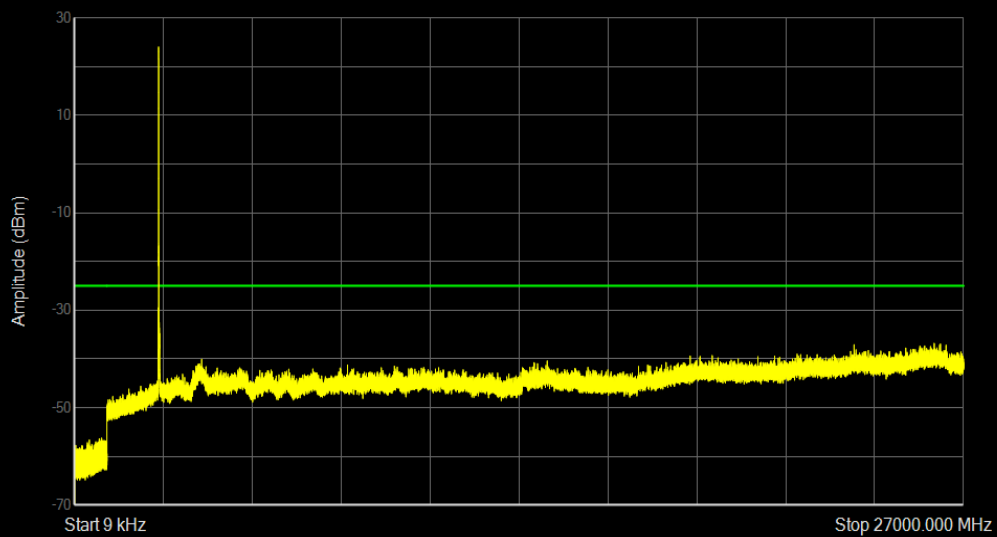
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0624531	-60.72	-25
2	0.15	30	10	0.170895	-56.58	-25
3	30	1000	100	44.67125	-51.88	-25
4	1000	27000	1000	26139.4	-36.39	-25

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

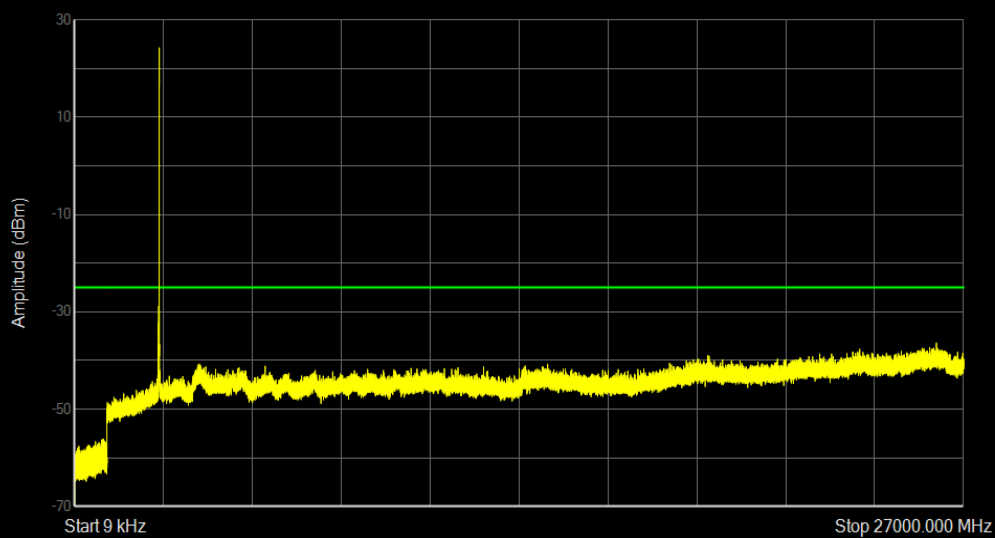
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062759775	-60.69	-25
2	0.15	30	10	0.15223875	-57.12	-25
3	30	1000	100	57.8875	-54.45	-25
4	1000	27000	1000	26014.6	-36.27	-25

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

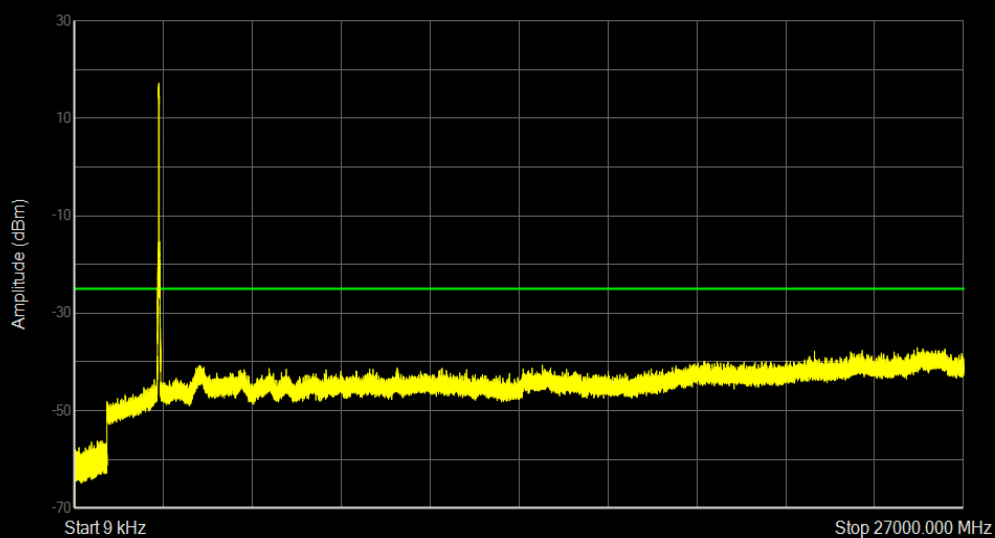
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0626928	-60.58	-25
2	0.15	30	10	0.15	-56.89	-25
3	30	1000	100	887.69825	-55.93	-25
4	1000	27000	1000	25804.65	-36.51	-25

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

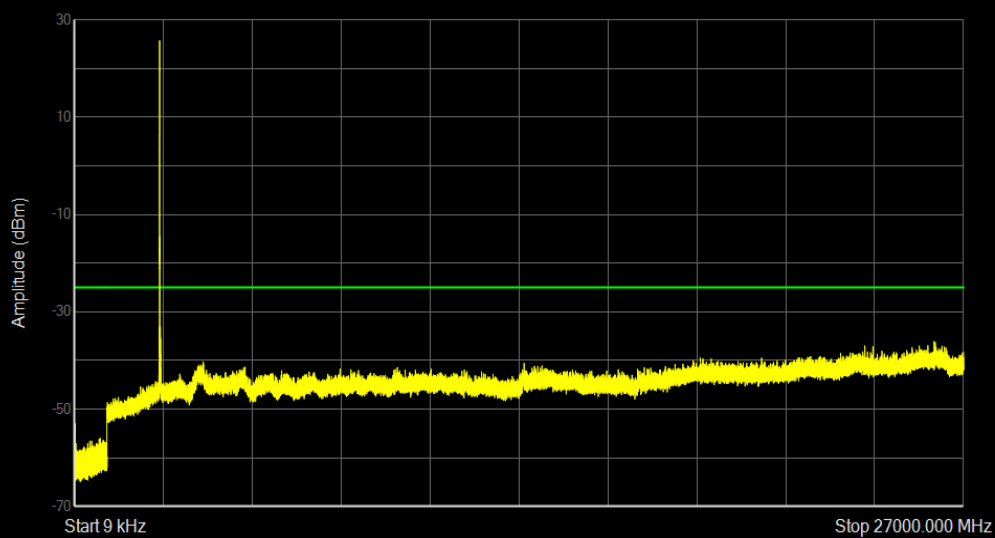
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0626505	-60.68	-25
2	0.15	30	10	0.19104375	-56.83	-25
3	30	1000	100	843.345	-56.24	-25
4	1000	27000	1000	26109.5	-36.8	-25

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

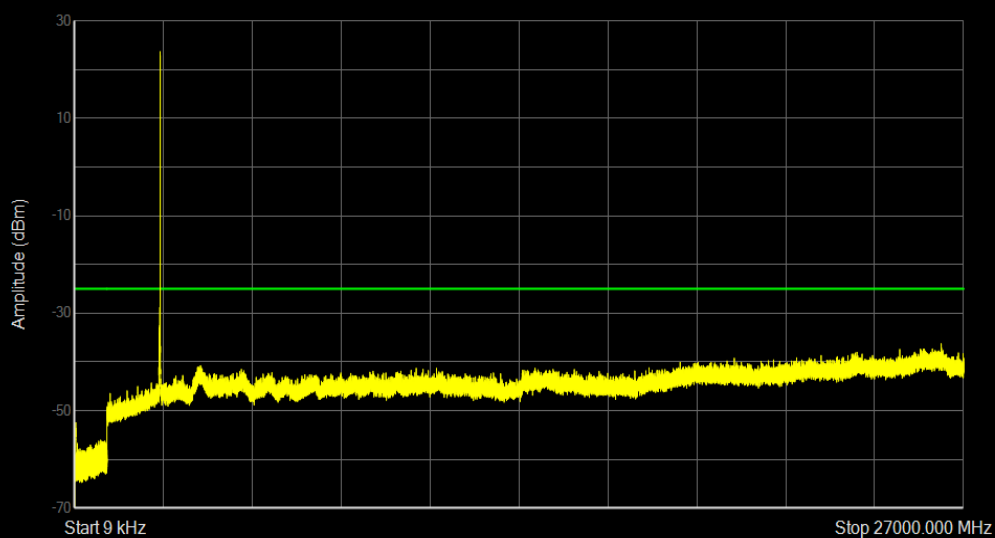
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06248835	-60.46	-25
2	0.15	30	10	0.17985	-56.93	-25
3	30	1000	100	902.87875	-56.18	-25
4	1000	27000	1000	26173.85	-36.39	-25

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	0.062773875	-60.52	-25
2	0.15	30	10	0.16567125	-57.03	-25
3	30	1000	100	707.22975	-56.23	-25
4	1000	27000	1000	25595.35	-37.08	-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	0.0623121	-61.18	-25
2	0.15	30	10	0.164925	-55.37	-25
3	30	1000	100	39.7485	-53.03	-25
4	1000	27000	1000	26106.25	-36.11	-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)
1	0.009	0.15	1	0.062724525	-60.89	-25
2	0.15	30	10	0.15671625	-57.74	-25
3	30	1000	100	57.66925	-52.46	-25
4	1000	27000	1000	26320.1	-36.27	-25

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

