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1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	1@1	DFT_BPSK	22.38	-0.3	21.08	33.01	PASS
n38	30	10	515000	24@0	DFT_QPSK	21.38	-0.3	22.1	33.01	PASS
n38	30	10	515000	12@6	DFT_QPSK	22.40	-0.3	22.06	33.01	PASS
n38	30	10	515000	1@1	DFT_QPSK	22.36	-0.3	22.02	33.01	PASS
n38	30	10	515000	1@22	DFT_QPSK	22.32	-0.3	20.54	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM16	20.84	-0.3	19.75	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM64	20.05	-0.3	17.8	33.01	PASS
n38	30	10	515000	1@1	DFT_QAM256	18.10	-0.3	20.92	33.01	PASS
n38	30	10	515000	1@1	CP_QPSK	21.22	-0.3	21.77	33.01	PASS
n38	30	10	519000	1@1	DFT_BPSK	22.07	-0.3	20.91	33.01	PASS
n38	30	10	519000	24@0	DFT_QPSK	21.21	-0.3	21.85	33.01	PASS
n38	30	10	519000	12@6	DFT_QPSK	22.15	-0.3	21.89	33.01	PASS
n38	30	10	519000	1@1	DFT_QPSK	22.19	-0.3	21.84	33.01	PASS
n38	30	10	519000	1@22	DFT_QPSK	22.14	-0.3	20.84	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM16	21.14	-0.3	19.86	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM64	20.16	-0.3	17.37	33.01	PASS
n38	30	10	519000	1@1	DFT_QAM256	17.67	-0.3	20.51	33.01	PASS
n38	30	10	519000	1@1	CP_QPSK	20.81	-0.3	21.99	33.01	PASS
n38	30	10	523000	1@1	DFT_BPSK	22.29	-0.3	21.03	33.01	PASS
n38	30	10	523000	24@0	DFT_QPSK	21.33	-0.3	22.22	33.01	PASS
n38	30	10	523000	12@6	DFT_QPSK	22.52	-0.3	22.07	33.01	PASS
n38	30	10	523000	1@1	DFT_QPSK	22.37	-0.3	22.08	33.01	PASS
n38	30	10	523000	1@22	DFT_QPSK	22.38	-0.3	20.98	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM16	21.28	-0.3	19.51	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM64	19.81	-0.3	17.48	33.01	PASS
n38	30	10	523000	1@1	DFT_QAM256	17.78	-0.3	20.66	33.01	PASS
n38	30	10	523000	1@1	CP_QPSK	20.96	-0.3	22.04	33.01	PASS
n38	30	15	515500	1@1	DFT_BPSK	22.34	-0.3	21.07	33.01	PASS
n38	30	15	515500	36@0	DFT_QPSK	21.37	-0.3	22.01	33.01	PASS
n38	30	15	515500	18@9	DFT_QPSK	22.31	-0.3	22.18	33.01	PASS
n38	30	15	515500	1@1	DFT_QPSK	22.48	-0.3	22.07	33.01	PASS
n38	30	15	515500	1@36	DFT_QPSK	22.37	-0.3	20.69	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM16	20.99	-0.3	19.29	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM64	19.59	-0.3	17.25	33.01	PASS
n38	30	15	515500	1@1	DFT_QAM256	17.55	-0.3	20.56	33.01	PASS
n38	30	15	515500	1@1	CP_QPSK	20.86	-0.3	21.85	33.01	PASS
n38	30	15	519000	1@1	DFT_BPSK	22.15	-0.3	20.85	33.01	PASS
n38	30	15	519000	36@0	DFT_QPSK	21.15	-0.3	21.82	33.01	PASS

n38	30	15	519000	18@9	DFT_QPSK	22.12	-0.3	21.87	33.01	PASS
n38	30	15	519000	1@1	DFT_QPSK	22.17	-0.3	21.95	33.01	PASS
n38	30	15	519000	1@36	DFT_QPSK	22.25	-0.3	21.06	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM16	21.36	-0.3	19.67	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM64	19.97	-0.3	17.51	33.01	PASS
n38	30	15	519000	1@1	DFT_QAM256	17.81	-0.3	20.63	33.01	PASS
n38	30	15	519000	1@1	CP_QPSK	20.93	-0.3	21.89	33.01	PASS
n38	30	15	522500	1@1	DFT_BPSK	22.19	-0.3	21.09	33.01	PASS
n38	30	15	522500	36@0	DFT_QPSK	21.39	-0.3	22.03	33.01	PASS
n38	30	15	522500	18@9	DFT_QPSK	22.33	-0.3	22.08	33.01	PASS
n38	30	15	522500	1@1	DFT_QPSK	22.38	-0.3	22.34	33.01	PASS
n38	30	15	522500	1@36	DFT_QPSK	22.64	-0.3	20.78	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM16	21.08	-0.3	19.45	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM64	19.75	-0.3	17.47	33.01	PASS
n38	30	15	522500	1@1	DFT_QAM256	17.77	-0.3	20.68	33.01	PASS
n38	30	15	522500	1@1	CP_QPSK	20.98	-0.3	21.92	33.01	PASS
n38	30	20	516000	1@1	DFT_BPSK	22.22	-0.3	20.96	33.01	PASS
n38	30	20	516000	50@0	DFT_QPSK	21.26	-0.3	21.99	33.01	PASS
n38	30	20	516000	25@12	DFT_QPSK	22.29	-0.3	22.02	33.01	PASS
n38	30	20	516000	1@1	DFT_QPSK	22.32	-0.3	21.82	33.01	PASS
n38	30	20	516000	1@49	DFT_QPSK	22.12	-0.3	21.28	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM16	21.58	-0.3	19.43	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM64	19.73	-0.3	17.46	33.01	PASS
n38	30	20	516000	1@1	DFT_QAM256	17.76	-0.3	20.47	33.01	PASS
n38	30	20	516000	1@1	CP_QPSK	20.77	-0.3	21.82	33.01	PASS
n38	30	20	519000	1@1	DFT_BPSK	22.12	-0.3	20.8	33.01	PASS
n38	30	20	519000	50@0	DFT_QPSK	21.10	-0.3	21.77	33.01	PASS
n38	30	20	519000	25@12	DFT_QPSK	22.07	-0.3	21.82	33.01	PASS
n38	30	20	519000	1@1	DFT_QPSK	22.12	-0.3	21.82	33.01	PASS
n38	30	20	519000	1@49	DFT_QPSK	22.12	-0.3	21.3	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM16	21.60	-0.3	18.75	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM64	19.05	-0.3	17.18	33.01	PASS
n38	30	20	519000	1@1	DFT_QAM256	17.48	-0.3	20.1	33.01	PASS
n38	30	20	519000	1@1	CP_QPSK	20.40	-0.3	21.74	33.01	PASS
n38	30	20	522000	1@1	DFT_BPSK	22.04	-0.3	20.99	33.01	PASS
n38	30	20	522000	50@0	DFT_QPSK	21.29	-0.3	22.02	33.01	PASS
n38	30	20	522000	25@12	DFT_QPSK	22.32	-0.3	21.84	33.01	PASS
n38	30	20	522000	1@1	DFT_QPSK	22.14	-0.3	22.09	33.01	PASS
n38	30	20	522000	1@49	DFT_QPSK	22.39	-0.3	20.89	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM16	21.19	-0.3	19.43	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM64	19.73	-0.3	17.35	33.01	PASS
n38	30	20	522000	1@1	DFT_QAM256	17.65	-0.3	20.39	33.01	PASS
n38	30	20	522000	1@1	CP_QPSK	20.69	-0.3	20.31	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	-3.64	-0.00141	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	-5.02	-0.00195	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-2.98	-0.00116	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-7.09	-0.00275	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-7.77	-0.00302	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-4.25	-0.00165	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-2.30	-0.00089	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-3.48	-0.00134	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-2.34	-0.00090	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	-6.28	-0.00242	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	-6.12	-0.00236	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-7.37	-0.00284	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-3.81	-0.00146	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-3.37	-0.00129	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-3.86	-0.00148	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	-3.23	-0.00124	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	-2.34	-0.00089	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-4.19	-0.00160	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-9.26	-0.00359	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-7.24	-0.00281	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-7.14	-0.00277	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	0.15	0.00006	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	-2.07	-0.00080	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-2.28	-0.00088	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	1.50	0.00058	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	0.97	0.00037	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	0.47	0.00018	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	-5.55	-0.00214	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	-5.36	-0.00207	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	-3.12	-0.00120	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	-5.41	-0.00207	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-4.40	-0.00168	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-2.35	-0.00090	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	-7.76	-0.00297	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-4.25	-0.00163	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-5.59	-0.00214	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-4.21	-0.00163	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-0.84	-0.00033	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_BPSK	-2.18	-0.00084	-2.5	2.5	PASS

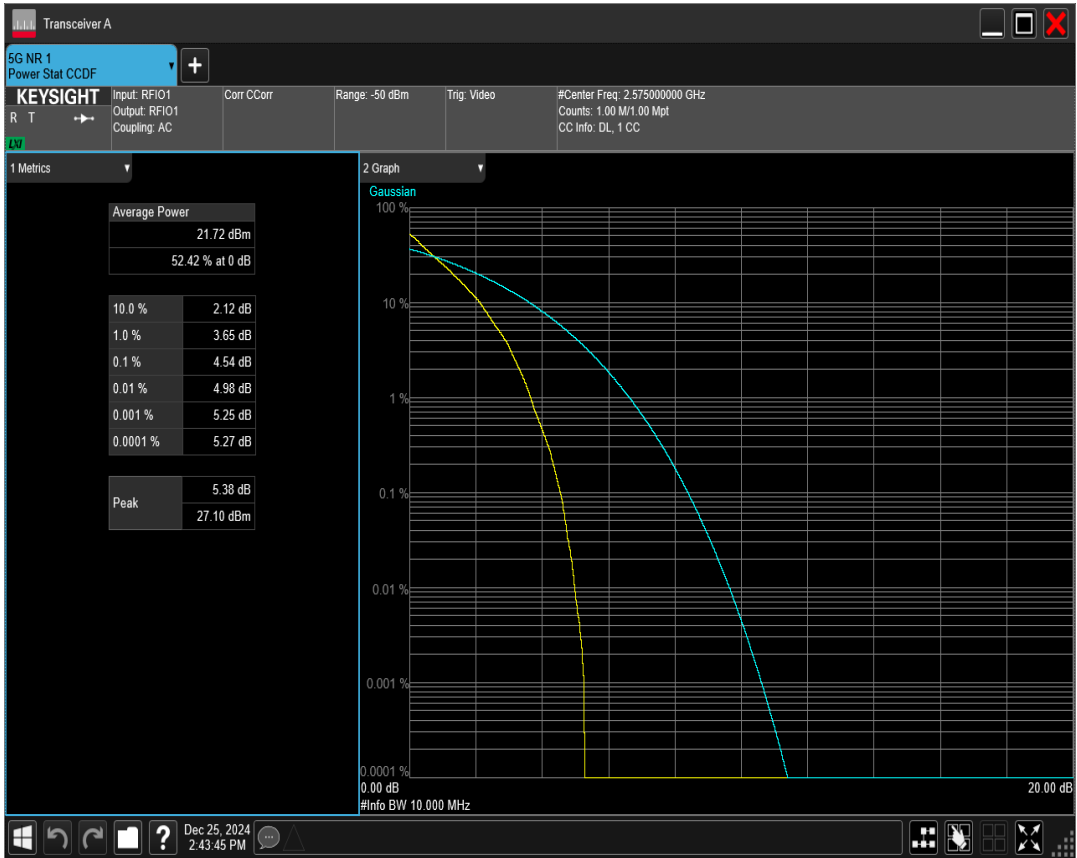
n38	30	20	516000	25@12	DFT_QPSK	-6.74	-0.00261	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	-5.54	-0.00215	-2.5	2.5	PASS
n38	30	20	516000	1@49	DFT_QPSK	-6.56	-0.00254	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_BPSK	-0.37	-0.00014	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	-0.08	-0.00003	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	-0.07	-0.00003	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	-2.22	-0.00086	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	-2.95	-0.00114	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-1.65	-0.00064	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	0.44	0.00017	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	1.66	0.00064	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	2.19	0.00084	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	-3.32	-0.00127	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	-0.35	-0.00013	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	-1.74	-0.00067	-2.5	2.5	PASS

3 Peak-to-Average Ratio for NR FR1

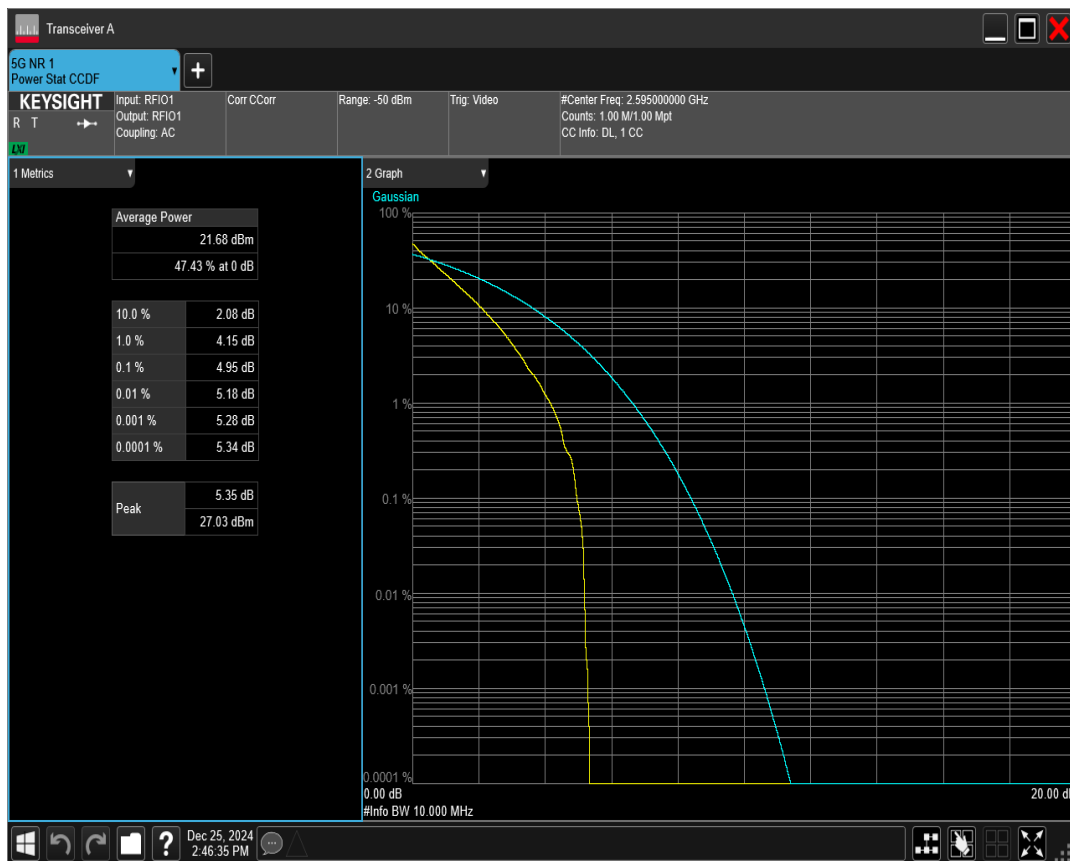
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	4.54	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	5.87	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	6.42	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	6.51	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	7.16	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	4.95	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.52	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	6.45	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.66	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	7.08	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.18	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.47	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	6.25	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.51	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	6.85	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.47	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	5.67	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	6.51	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	6.83	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	7.02	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.54	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.50	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.41	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	6.60	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	7.06	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.27	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	5.31	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	6.35	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	6.67	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	6.96	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	4.58	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	5.84	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	6.52	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	6.91	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	6.92	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	5.31	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.75	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	6.39	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.77	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	7.01	13	PASS

n38	30	20	522000	50@0	DFT_BPSK	4.48	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.42	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	6.35	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	6.56	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	7.28	13	PASS

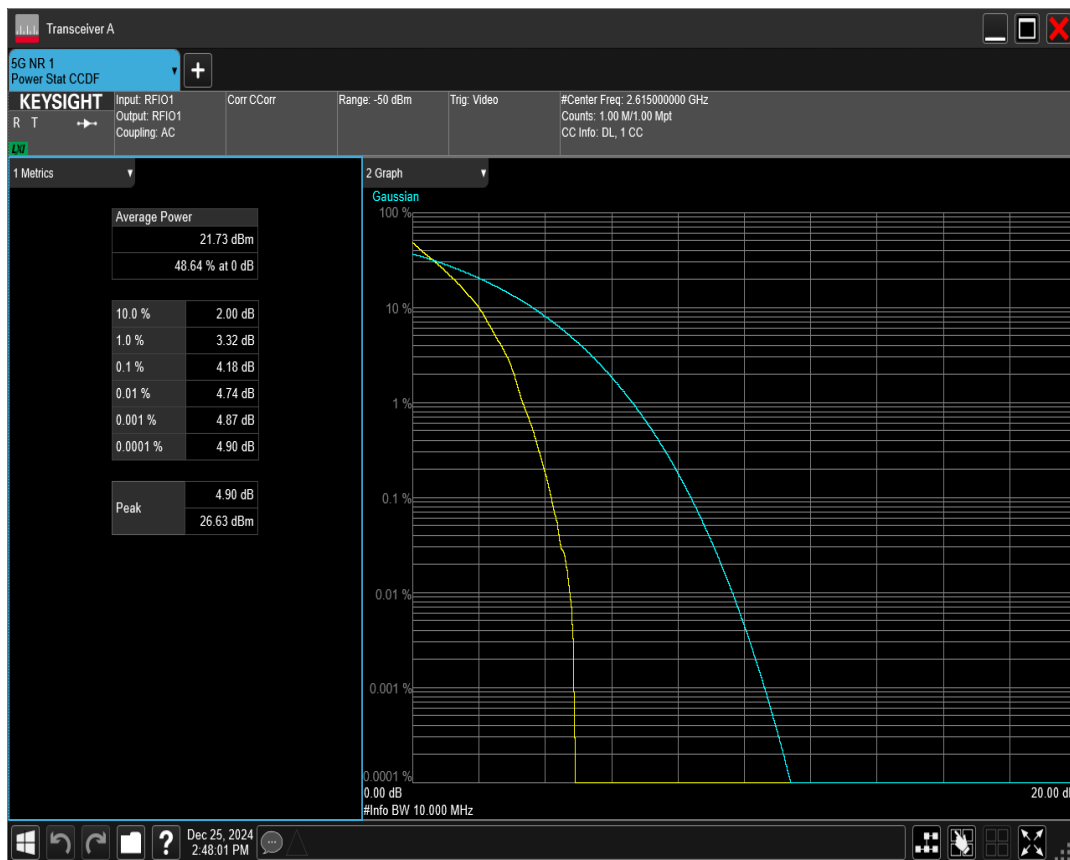
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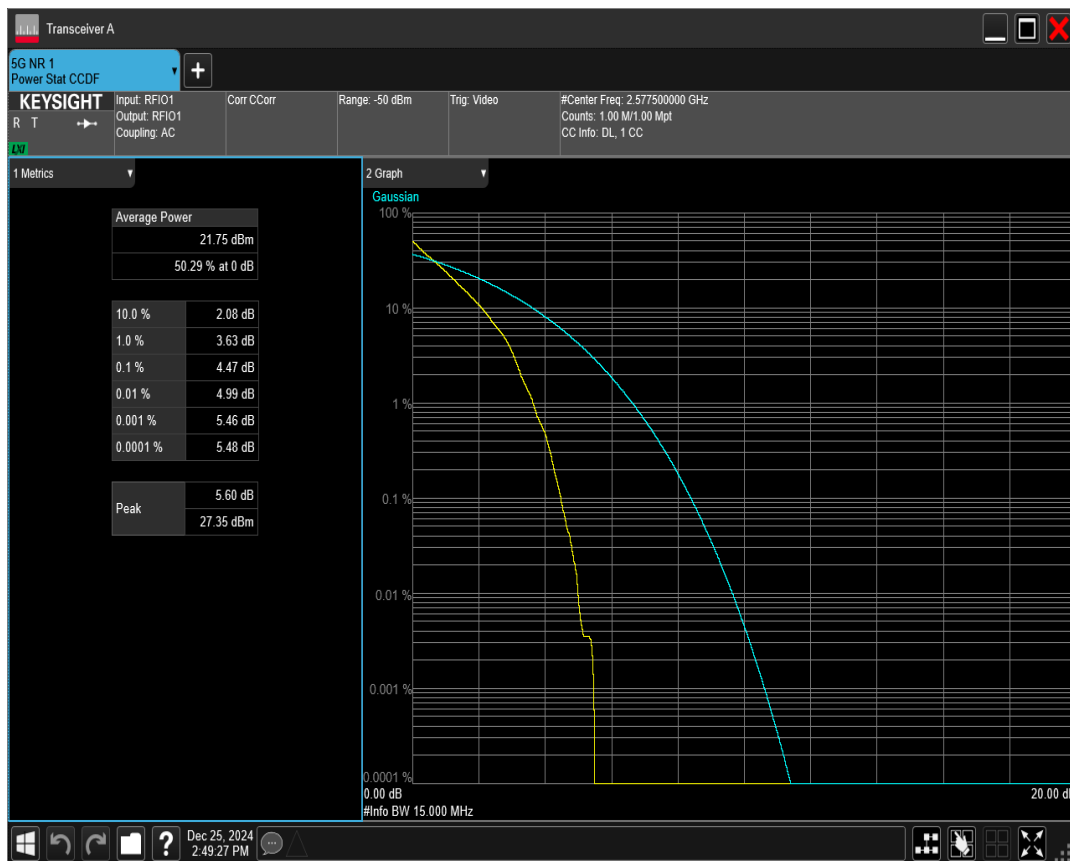
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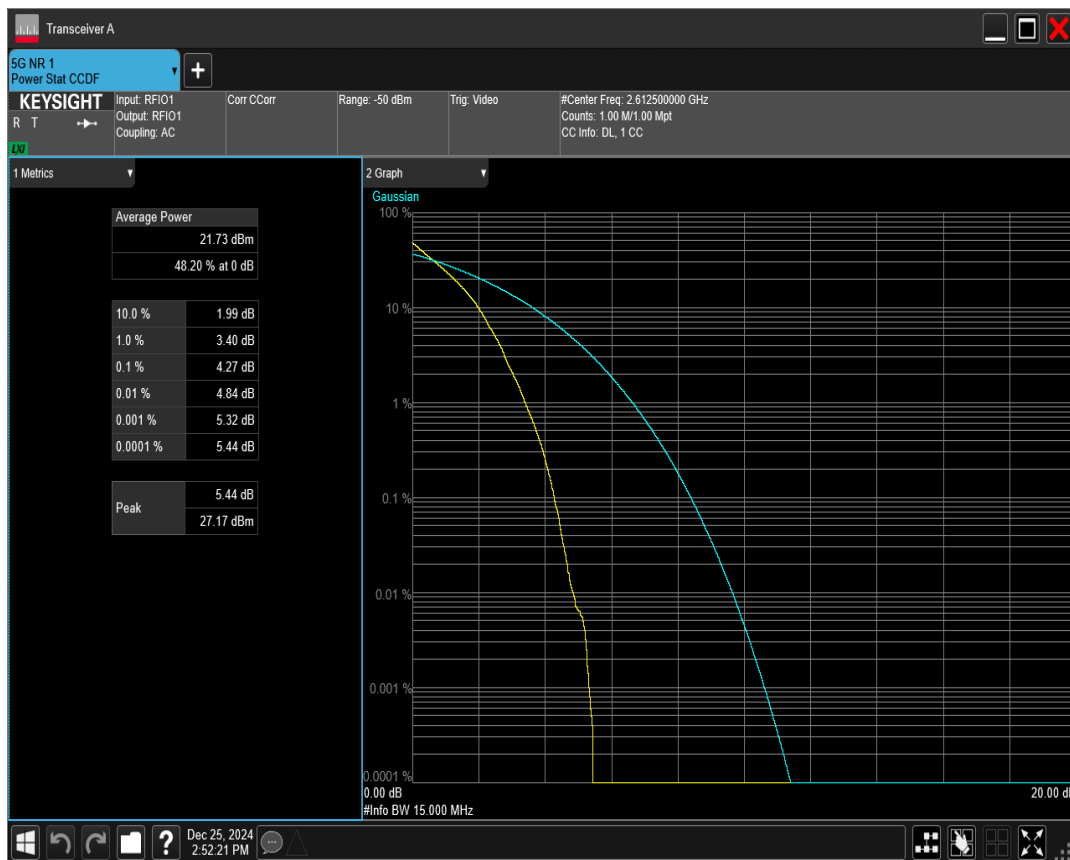
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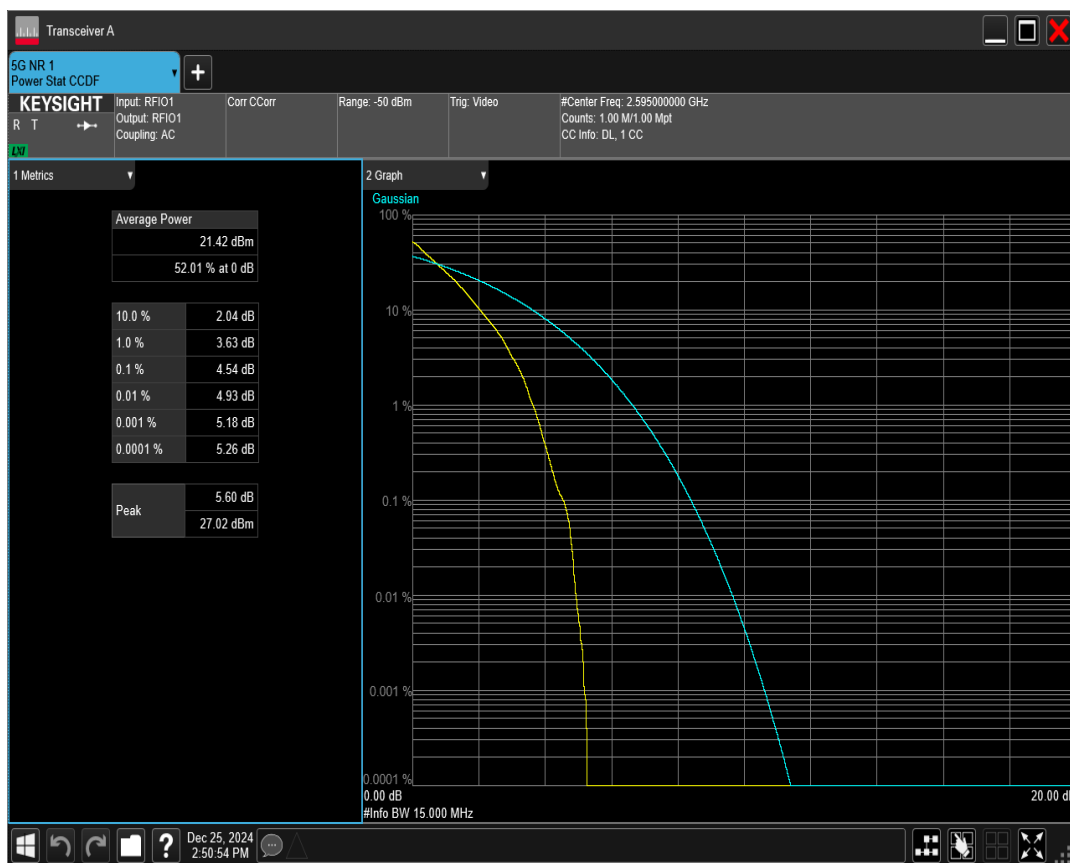
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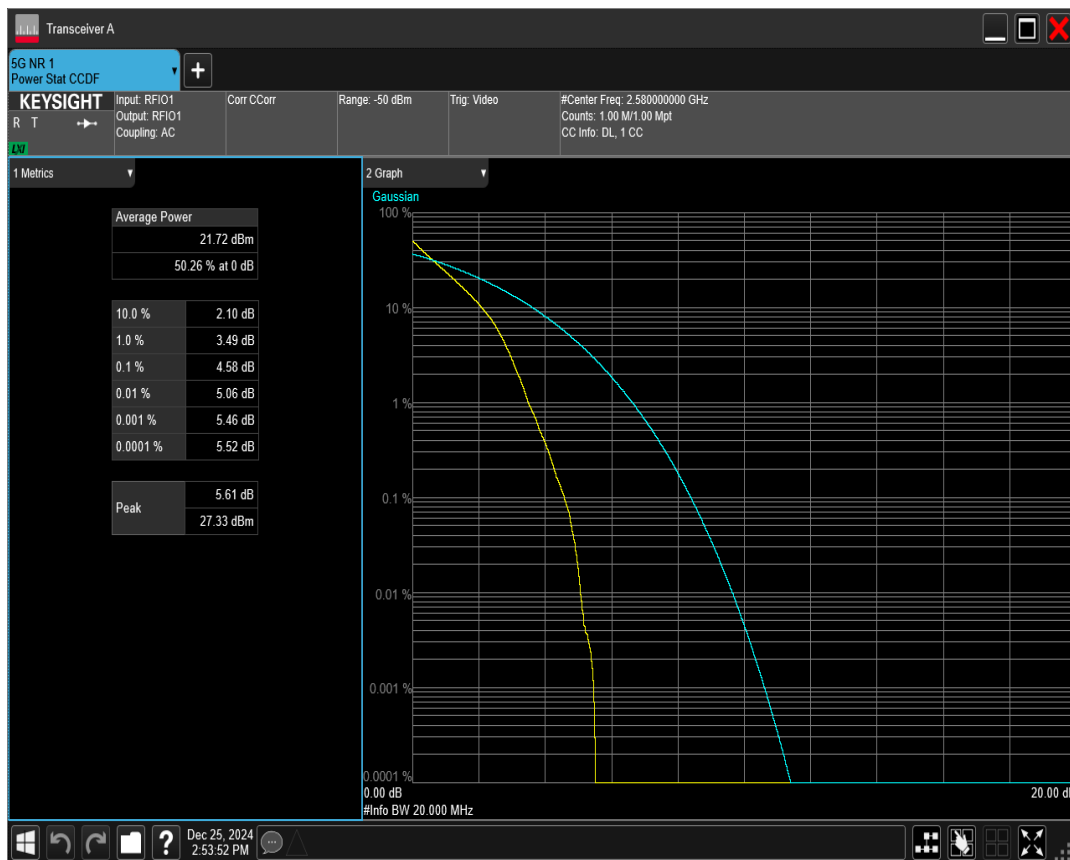
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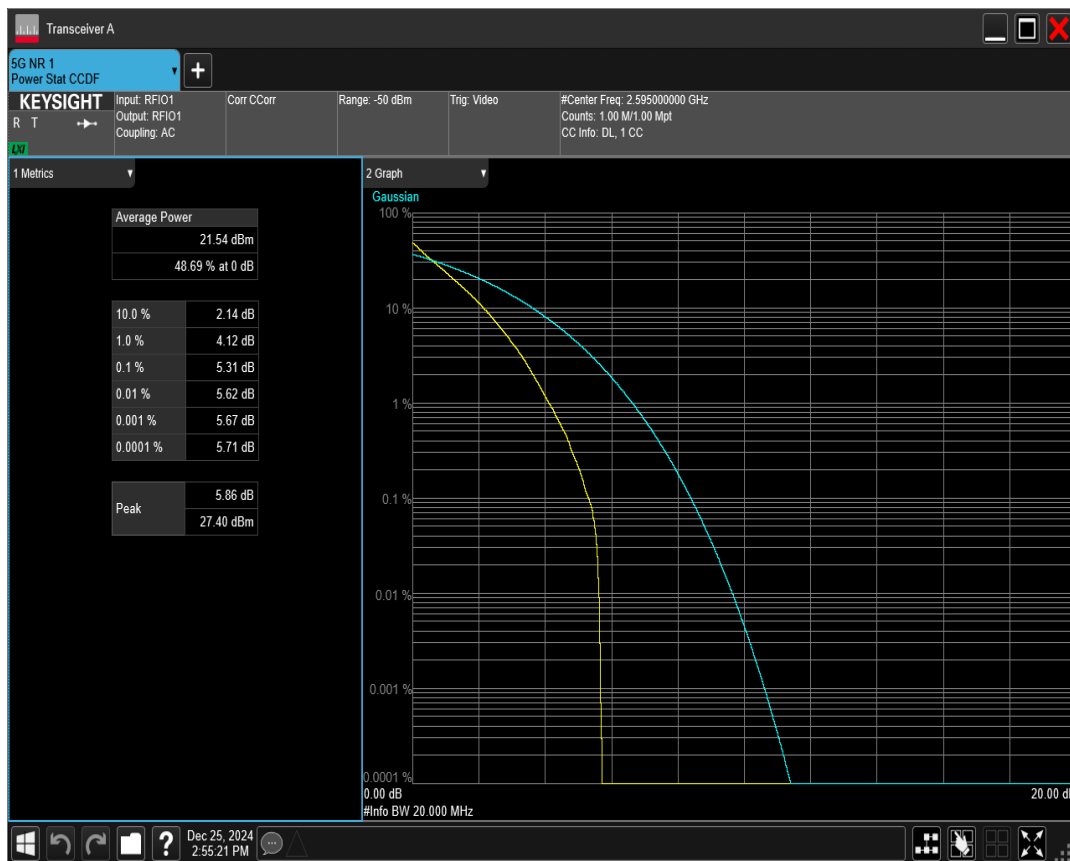
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0



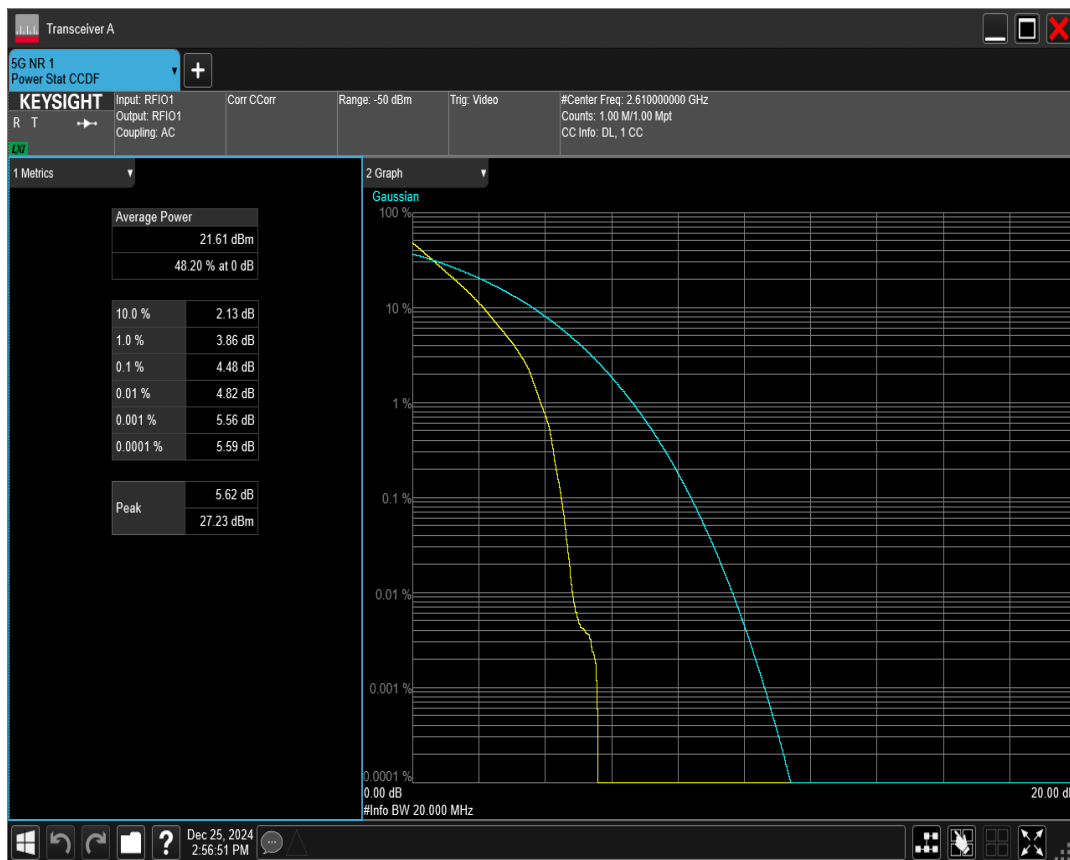
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



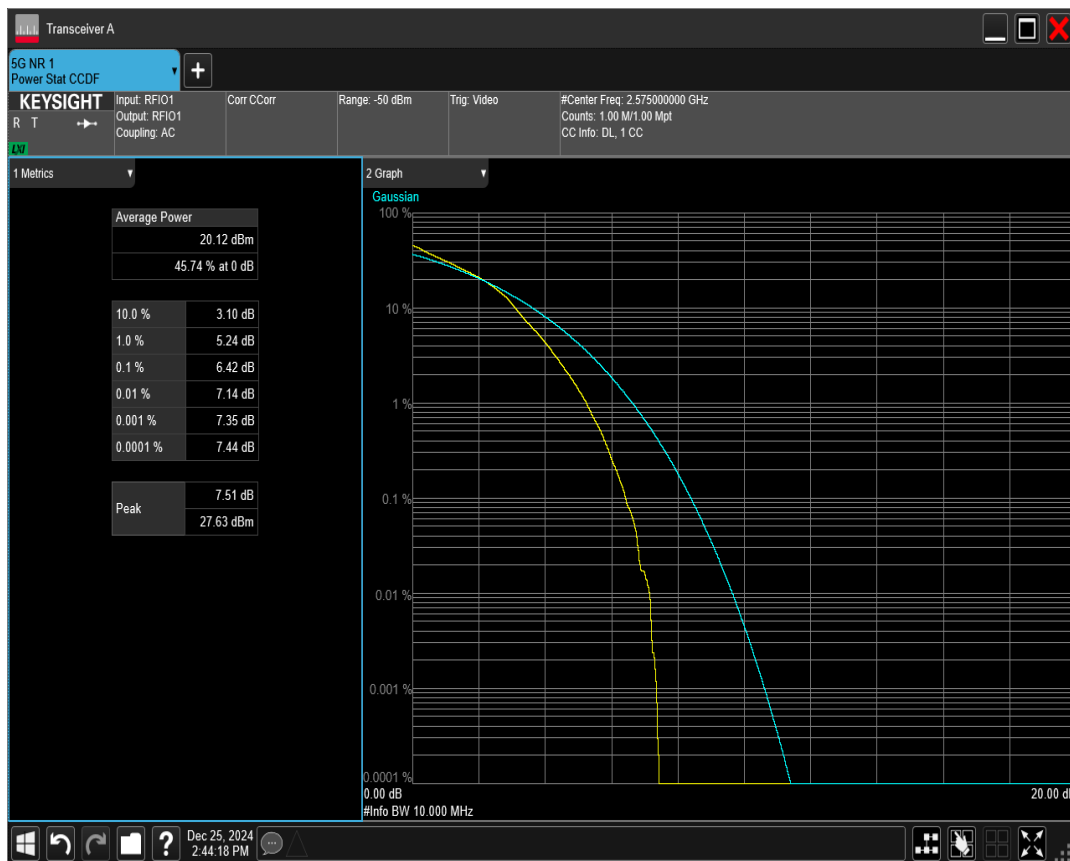
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



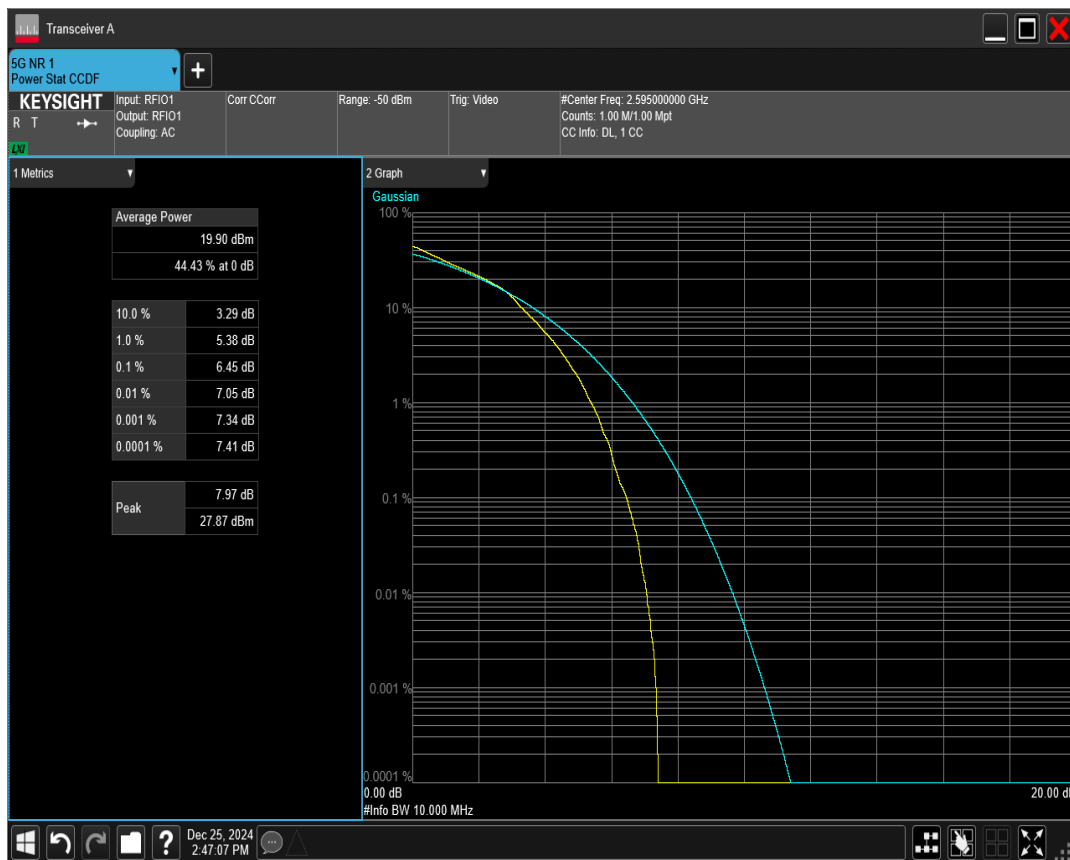
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=522000 RB=50@0



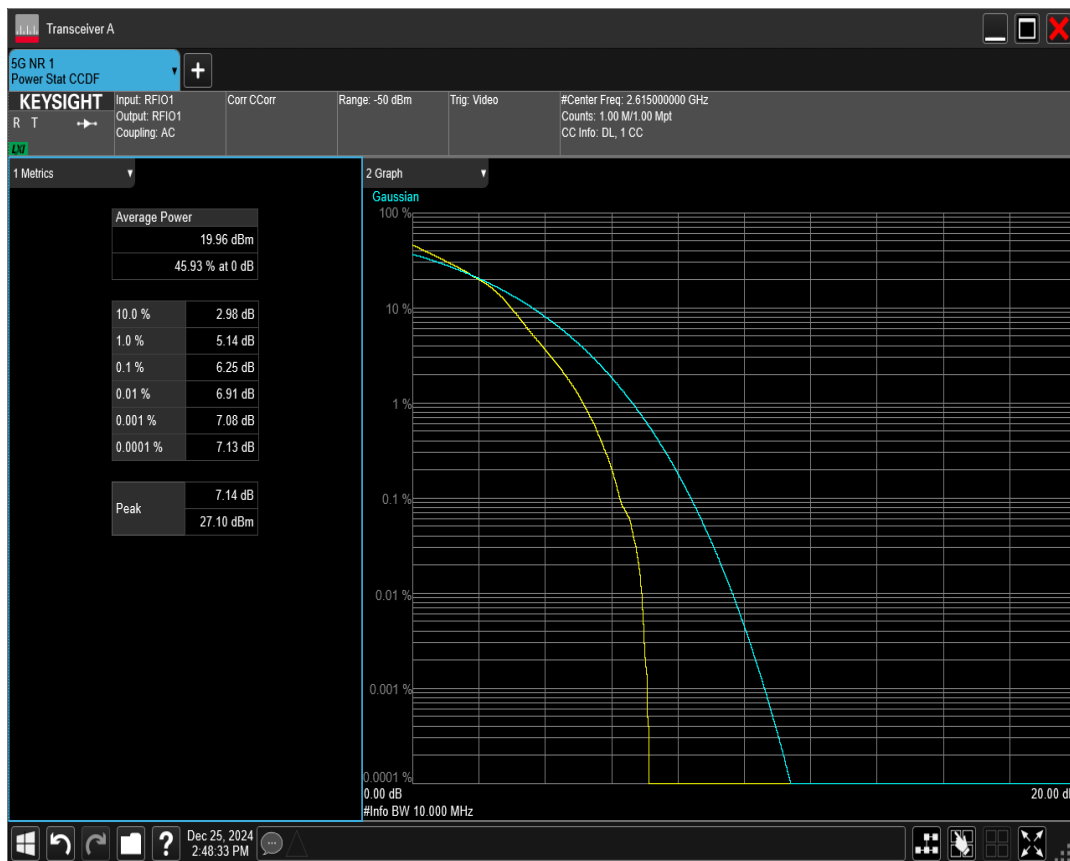
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



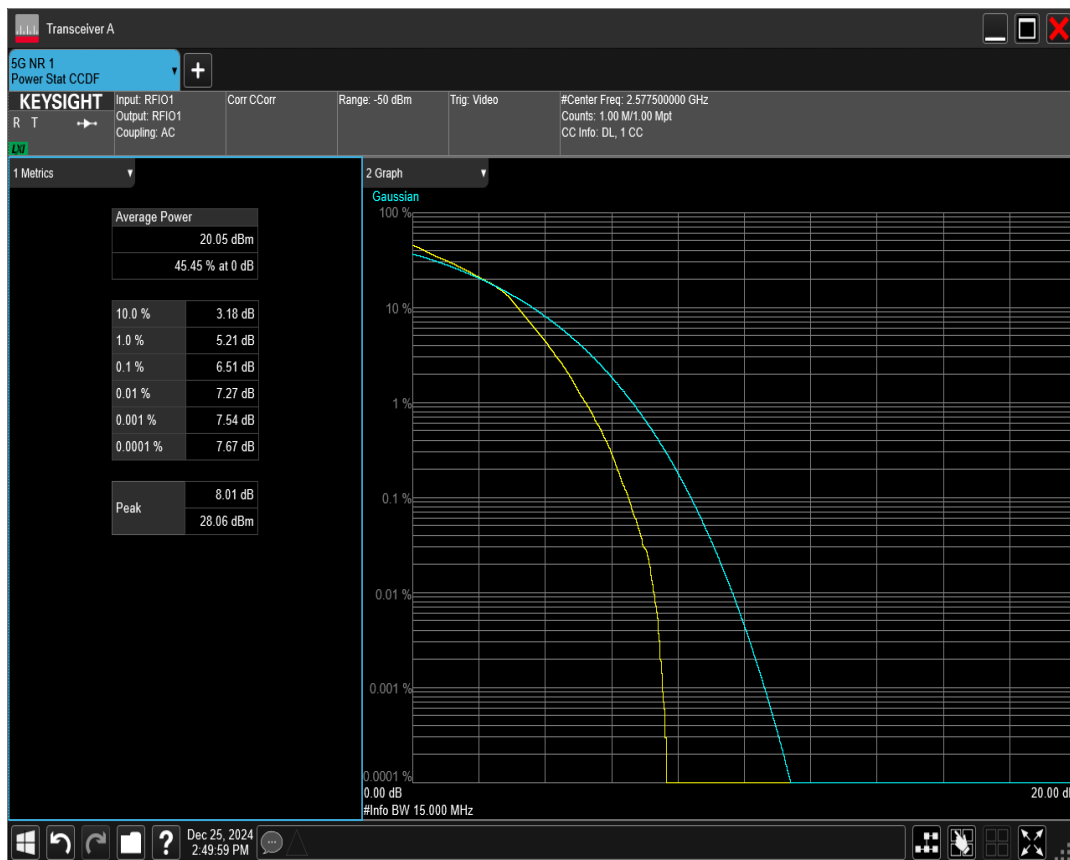
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



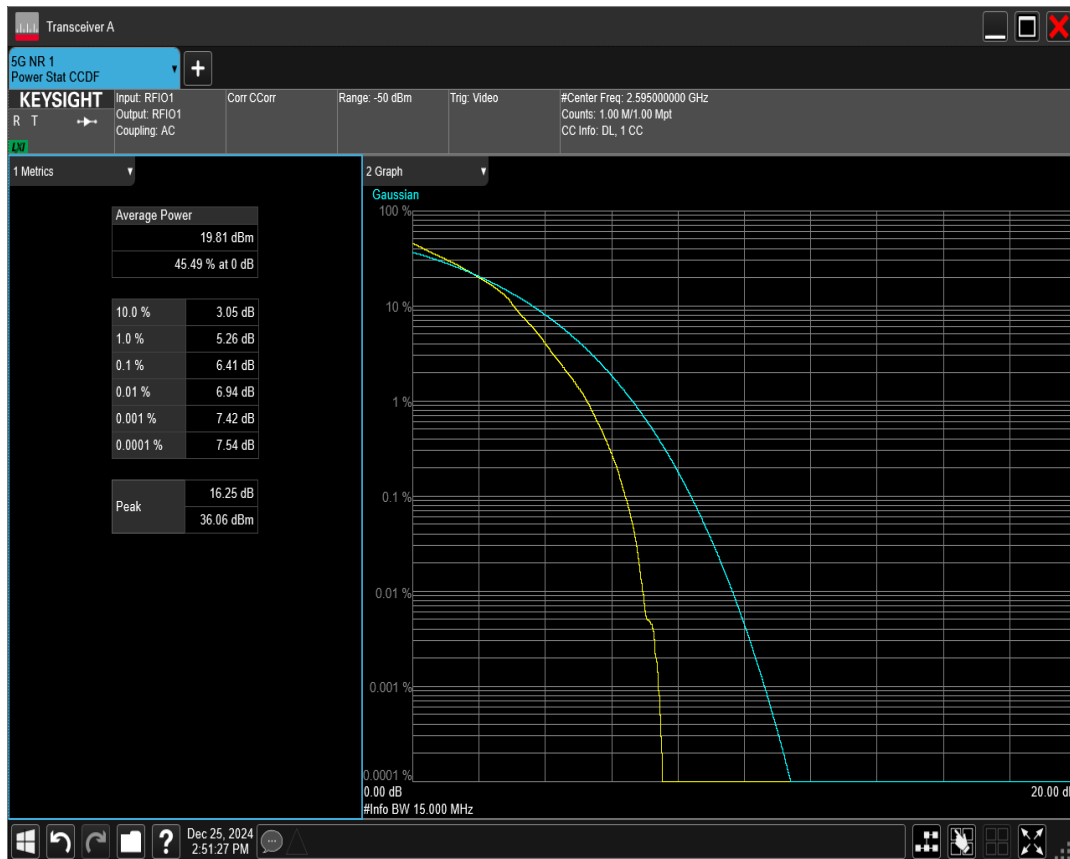
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



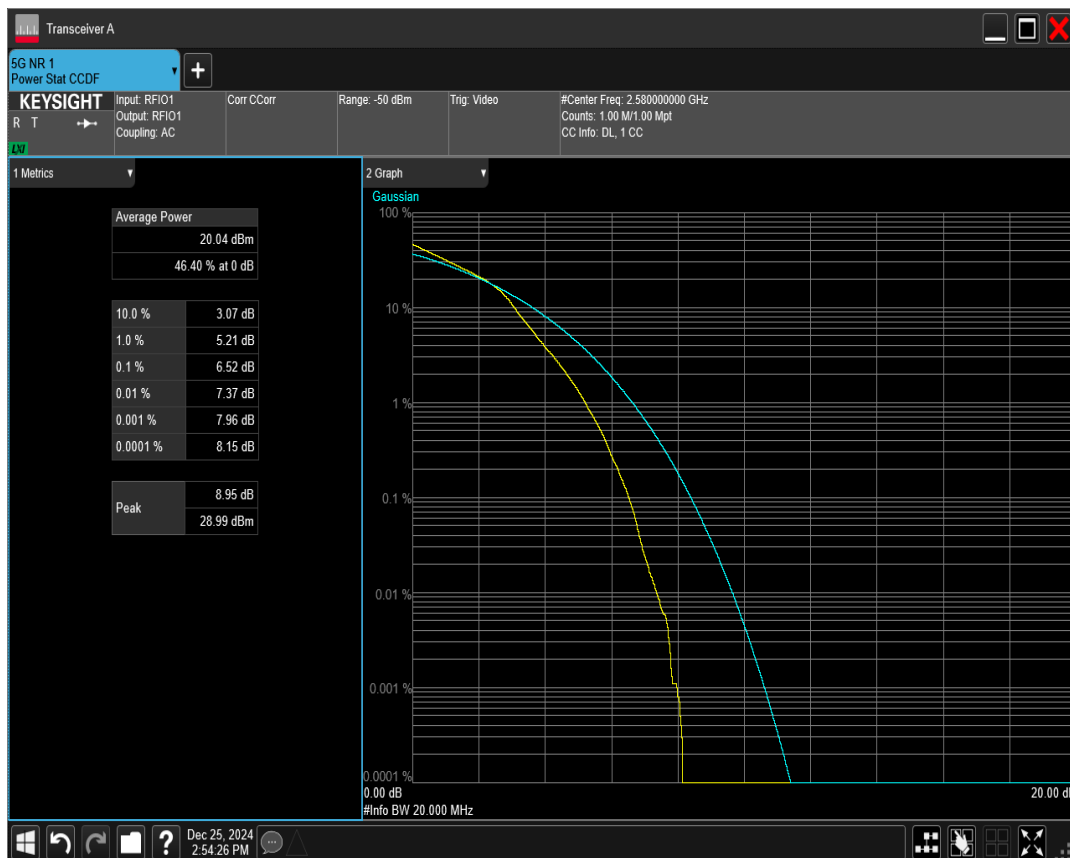
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=515500 RB=36@0



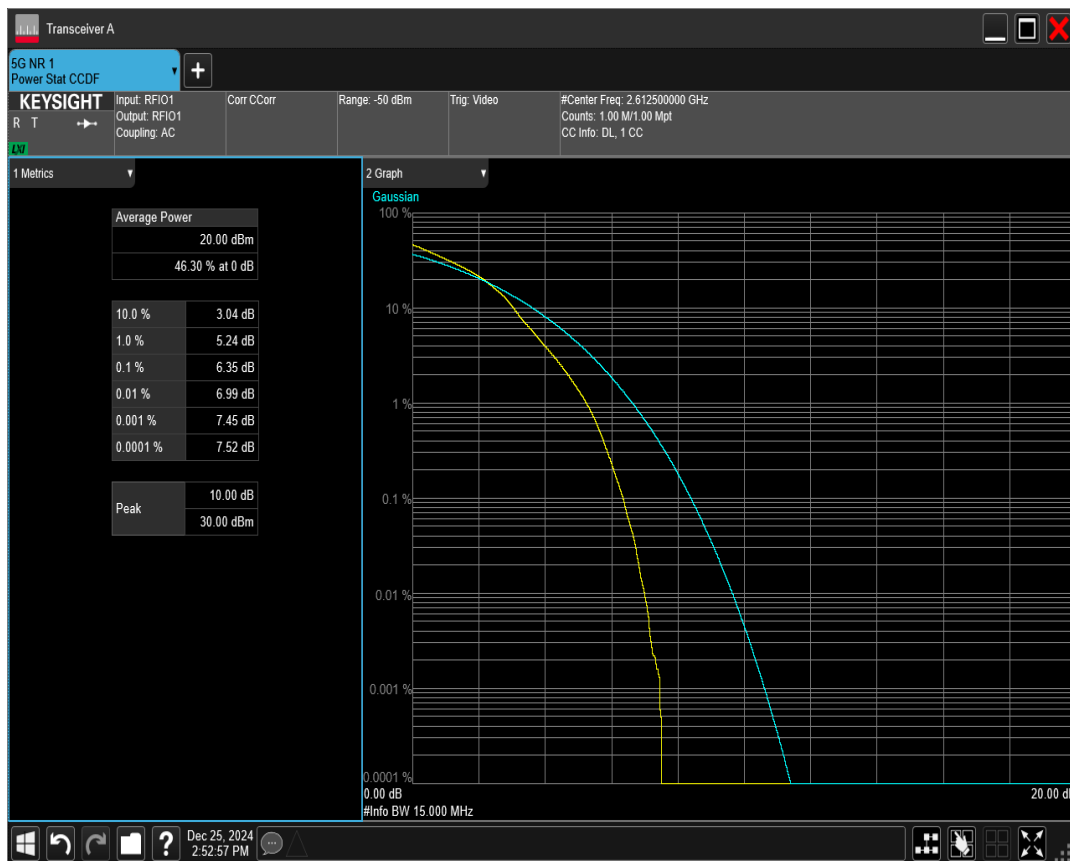
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



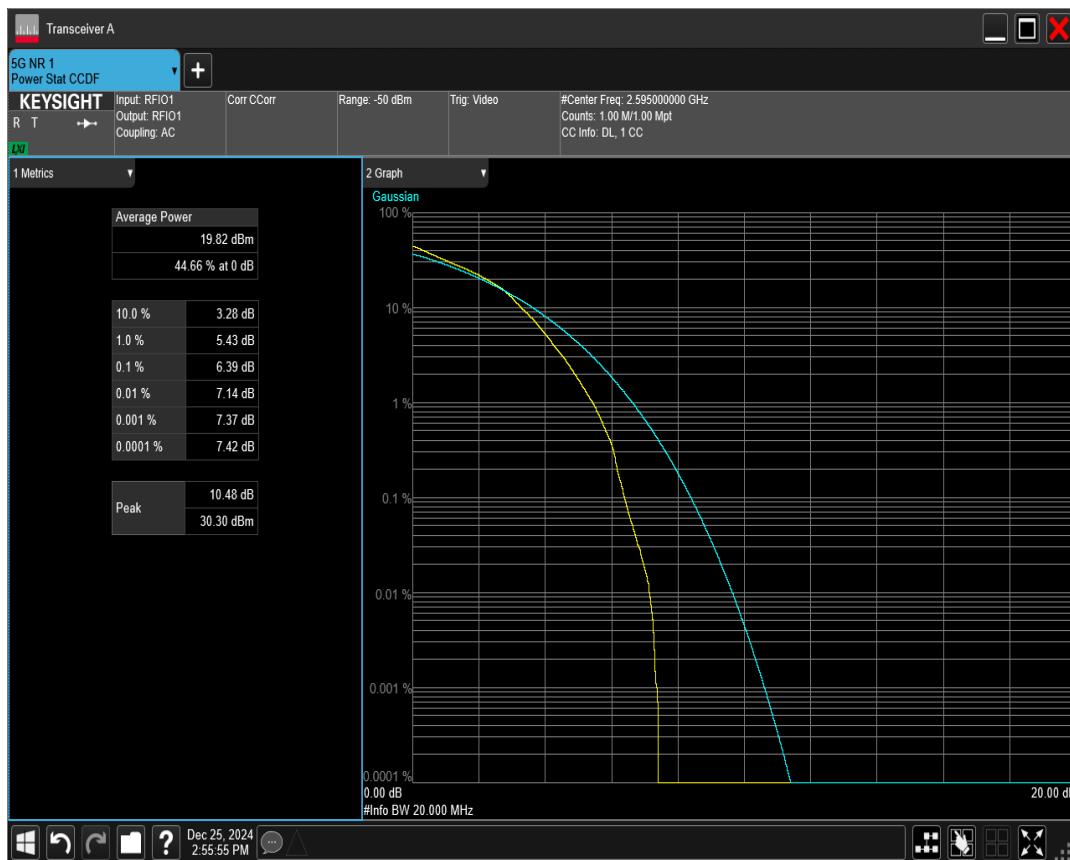
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



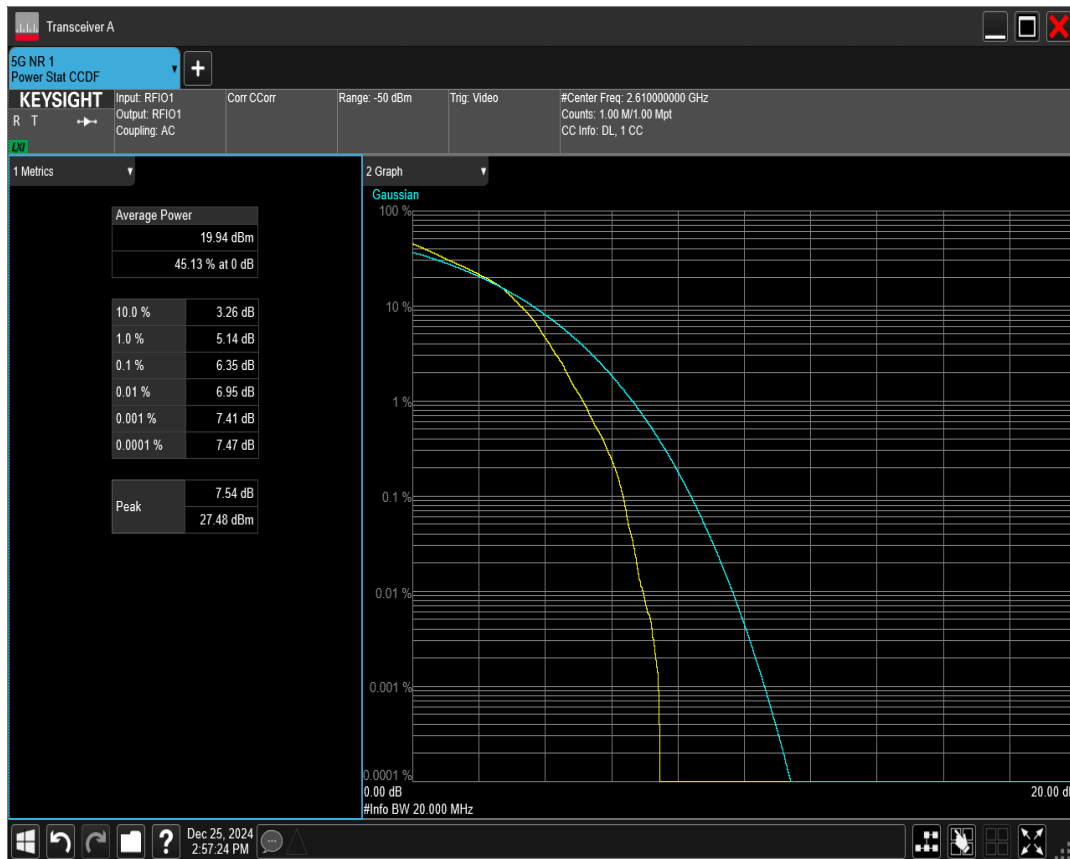
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



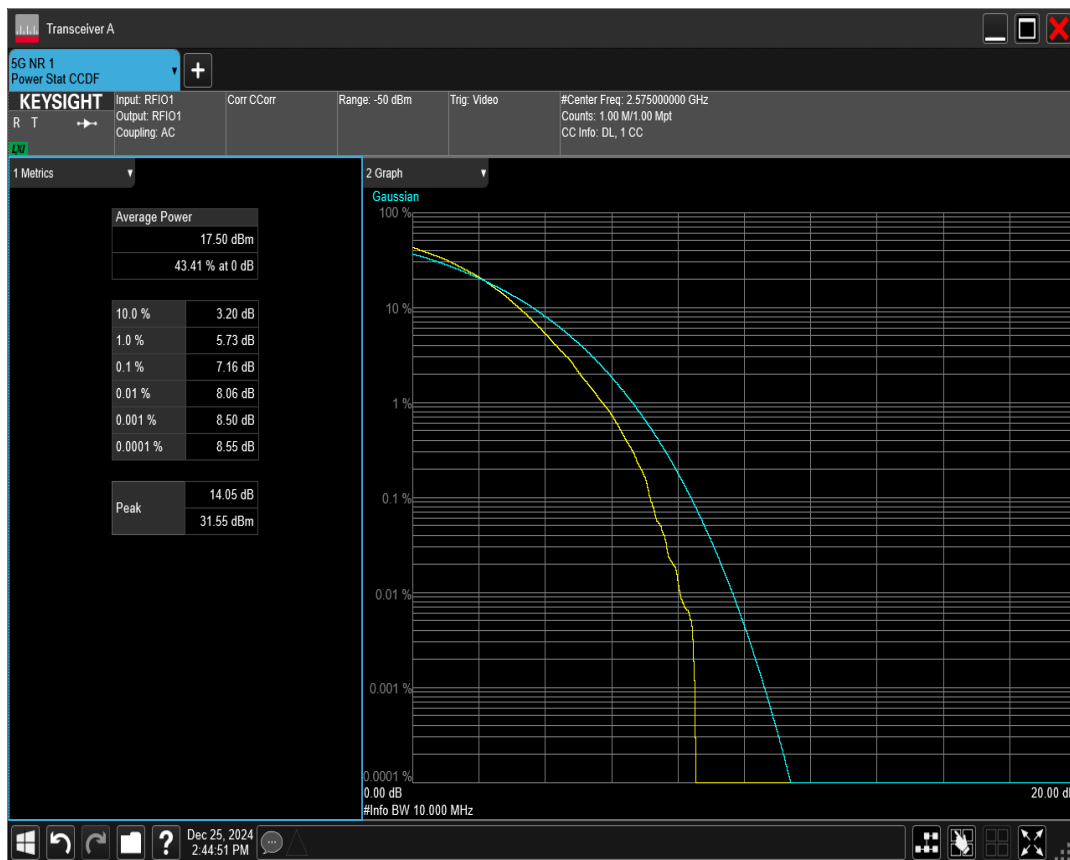
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



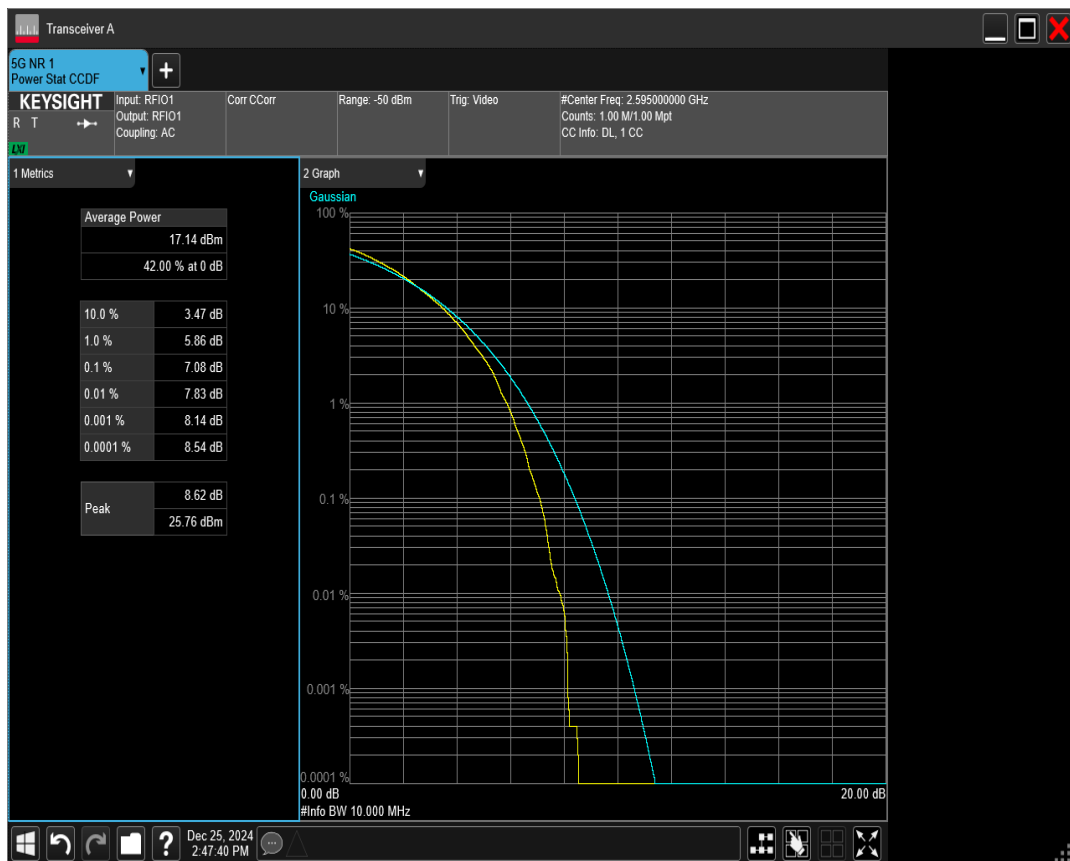
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=522000 RB=50@0



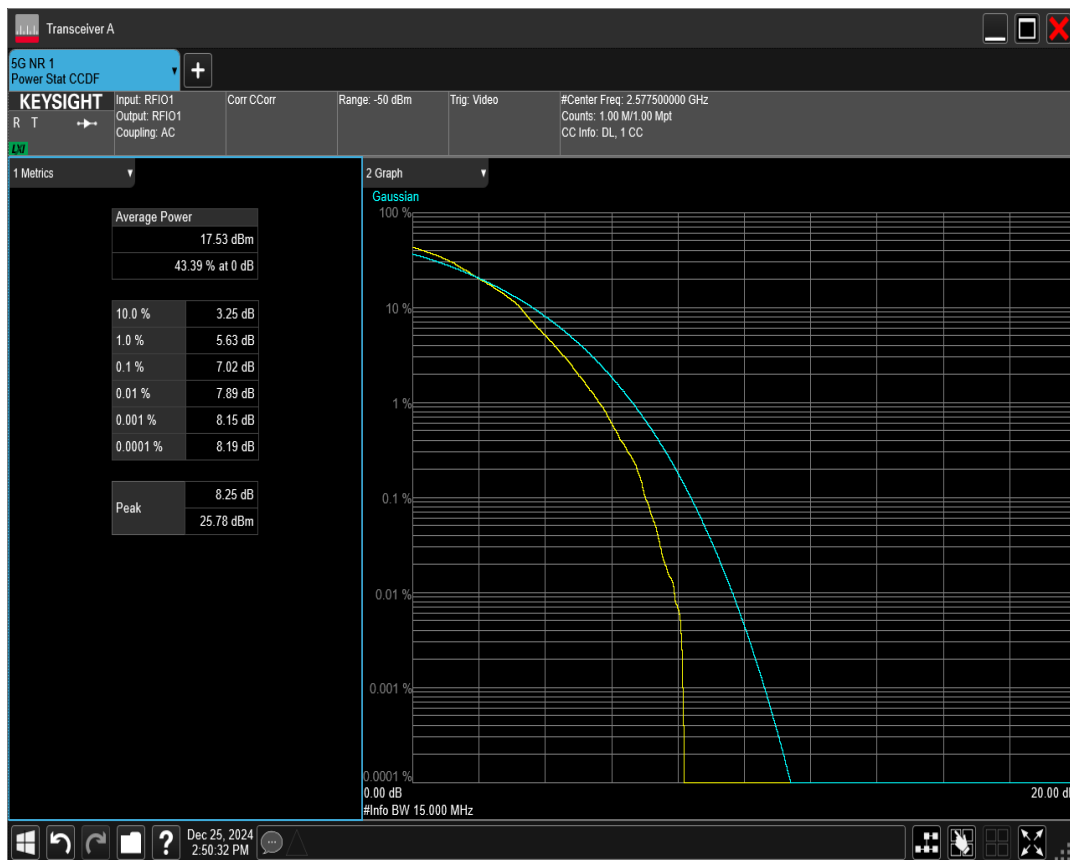
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



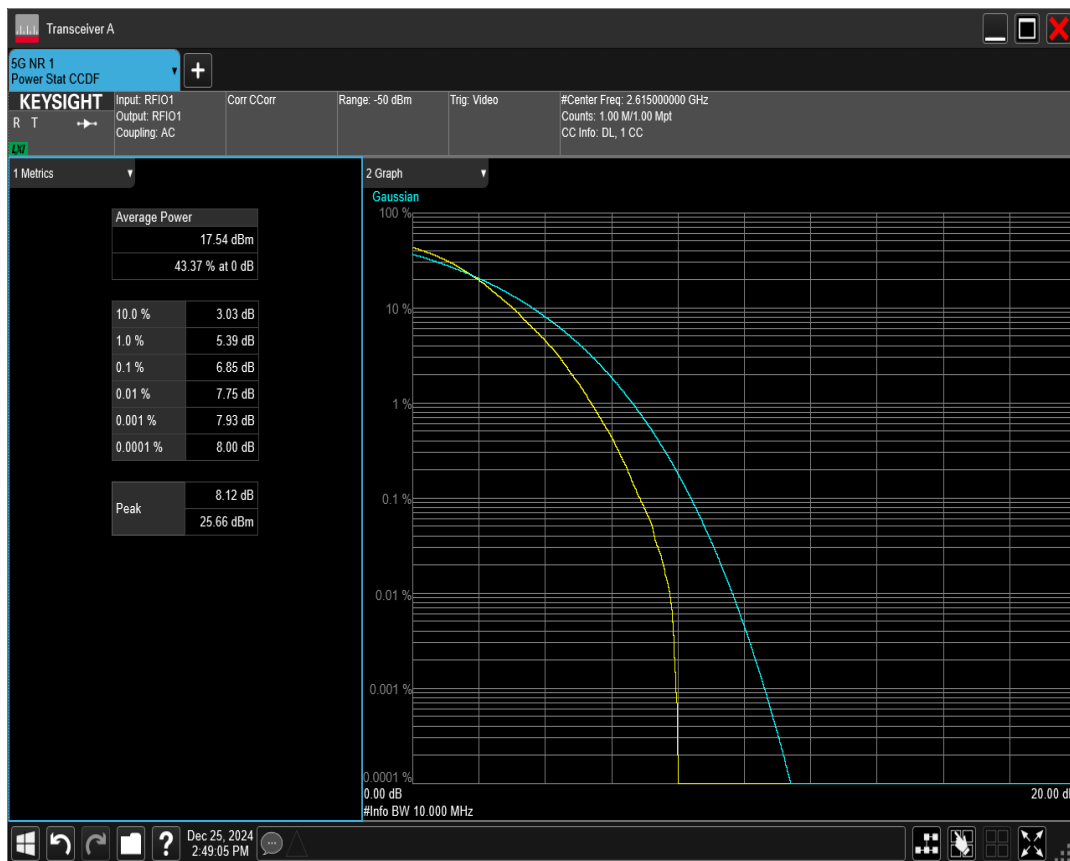
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



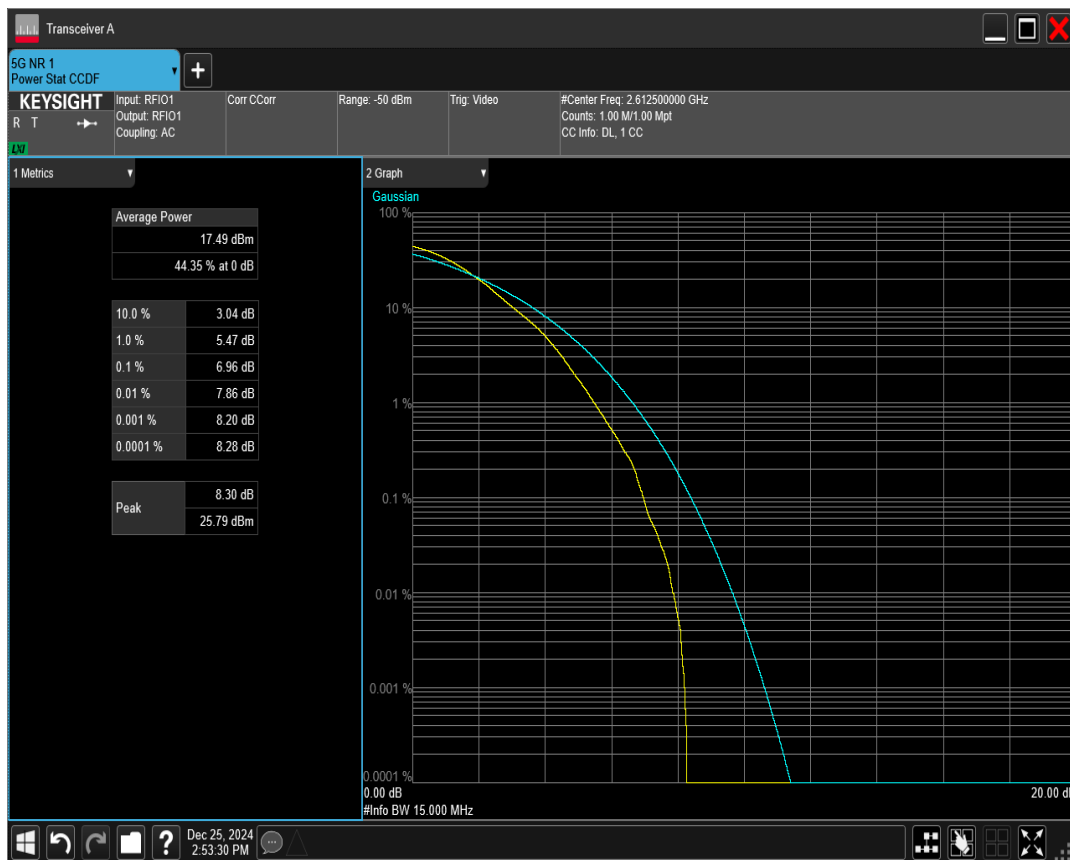
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



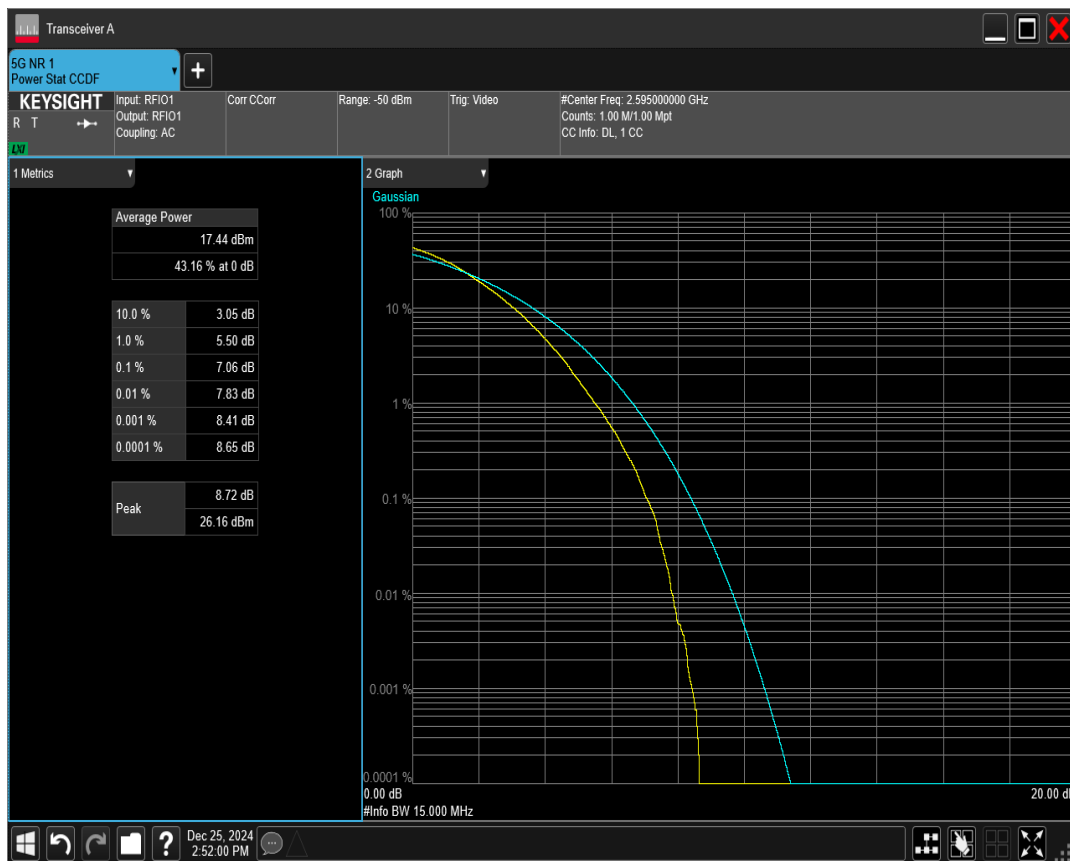
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



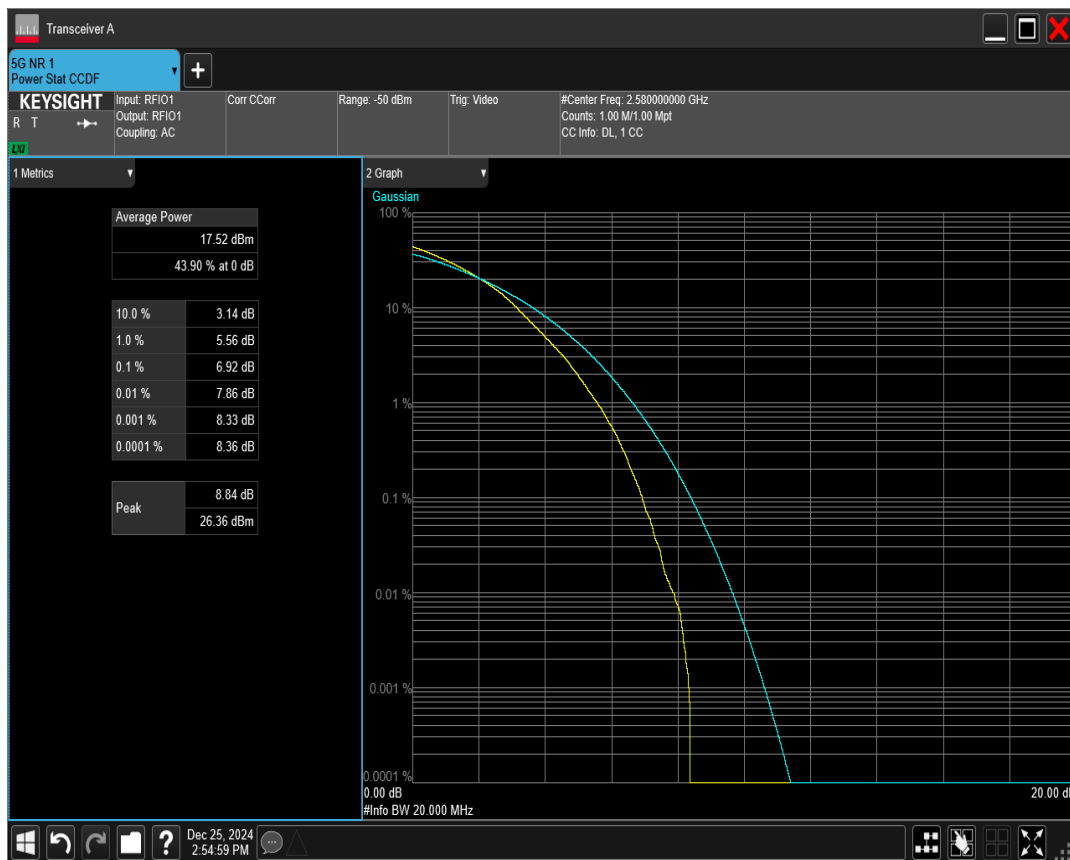
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=522500 RB=36@0



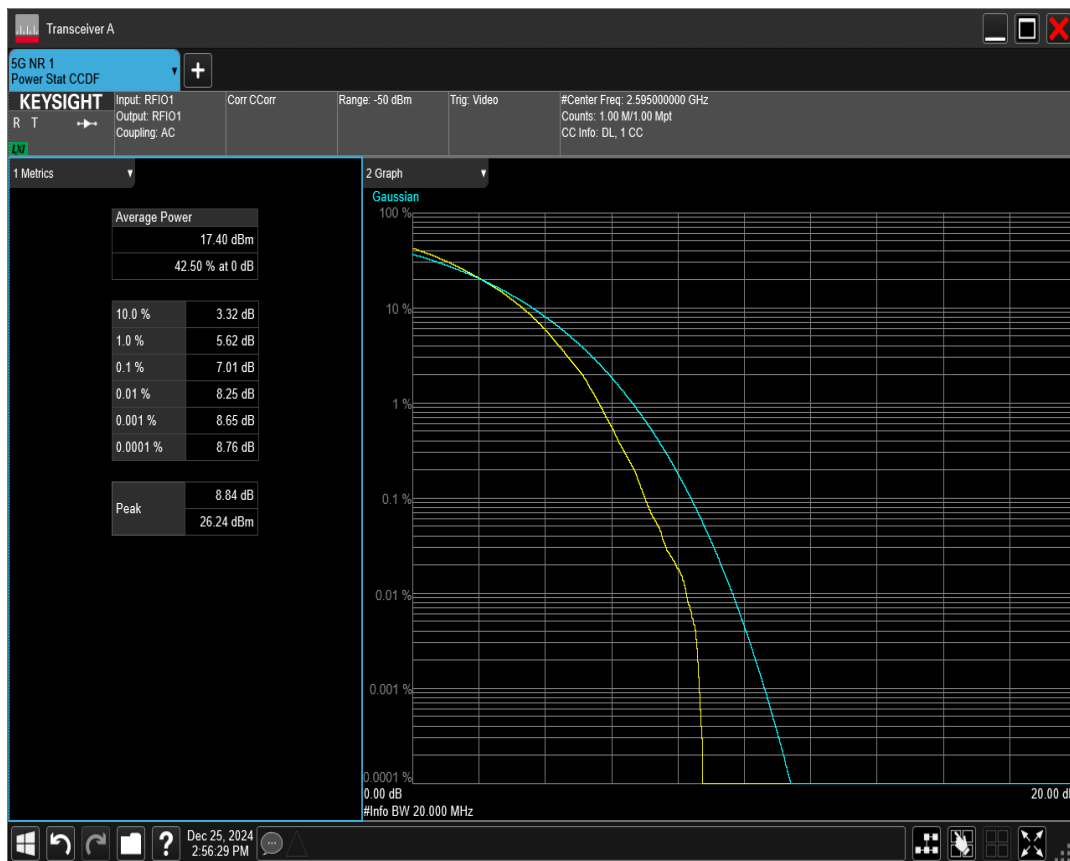
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



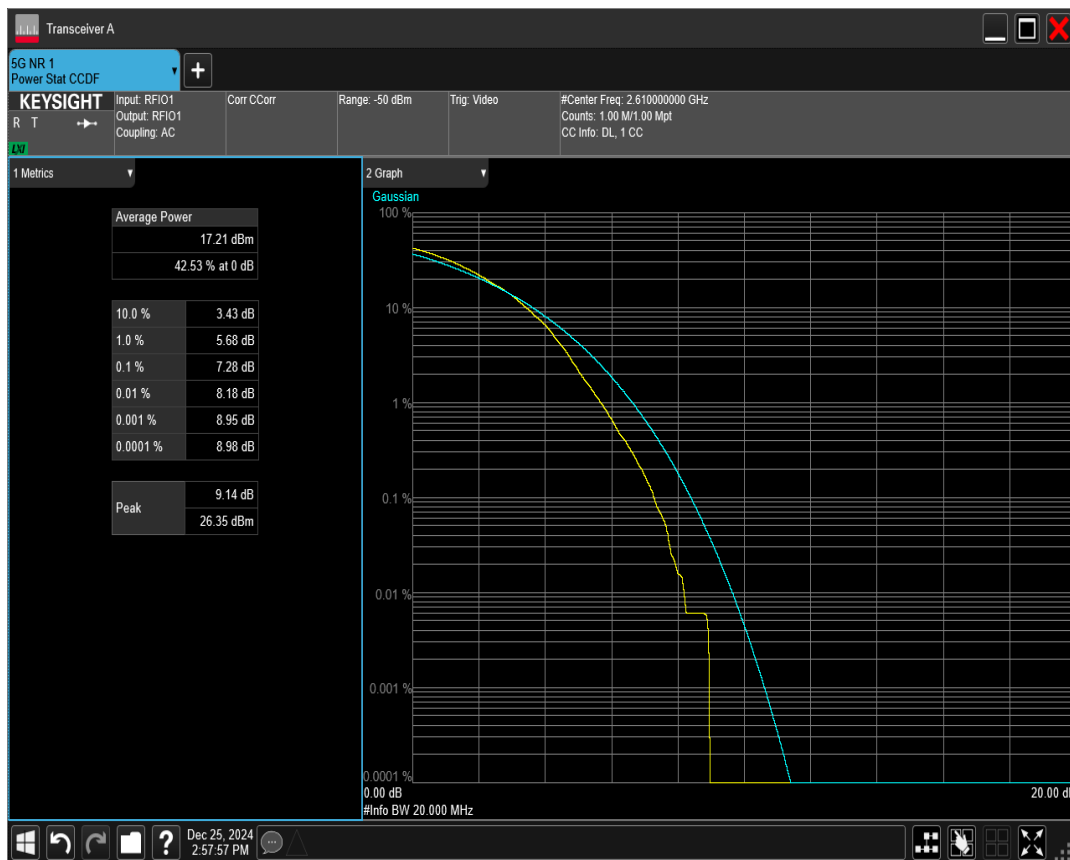
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



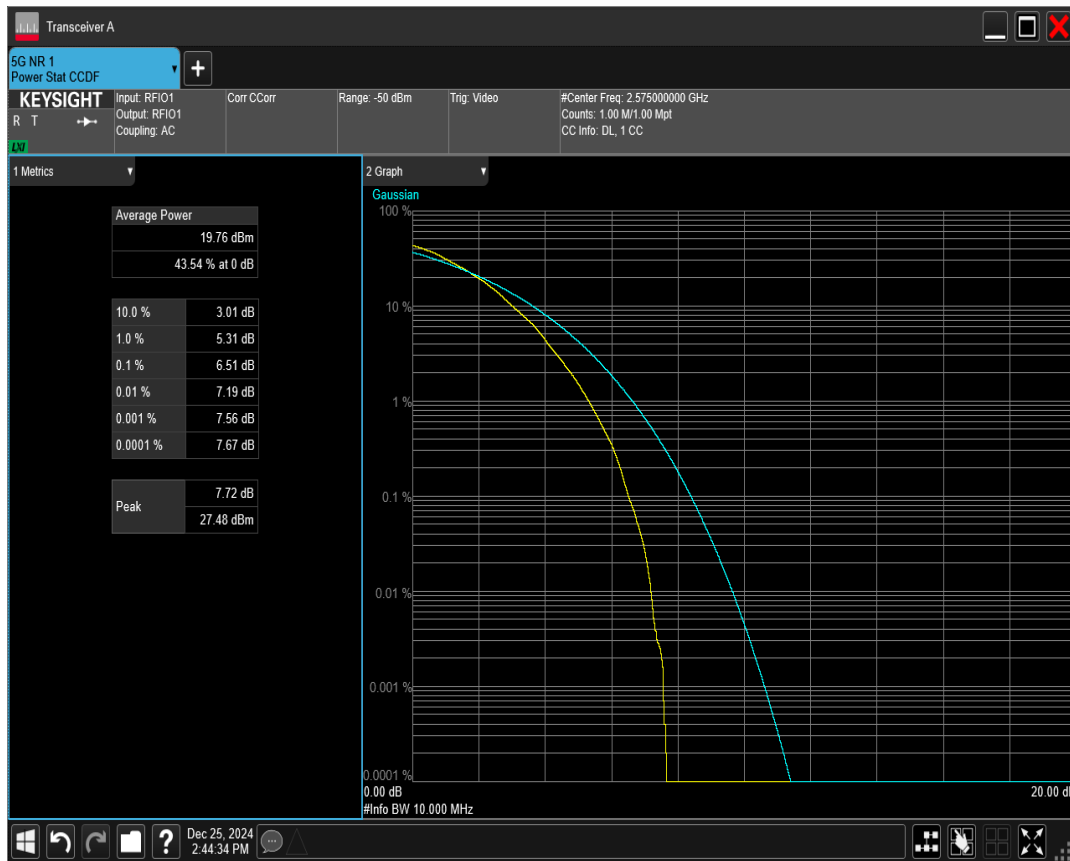
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



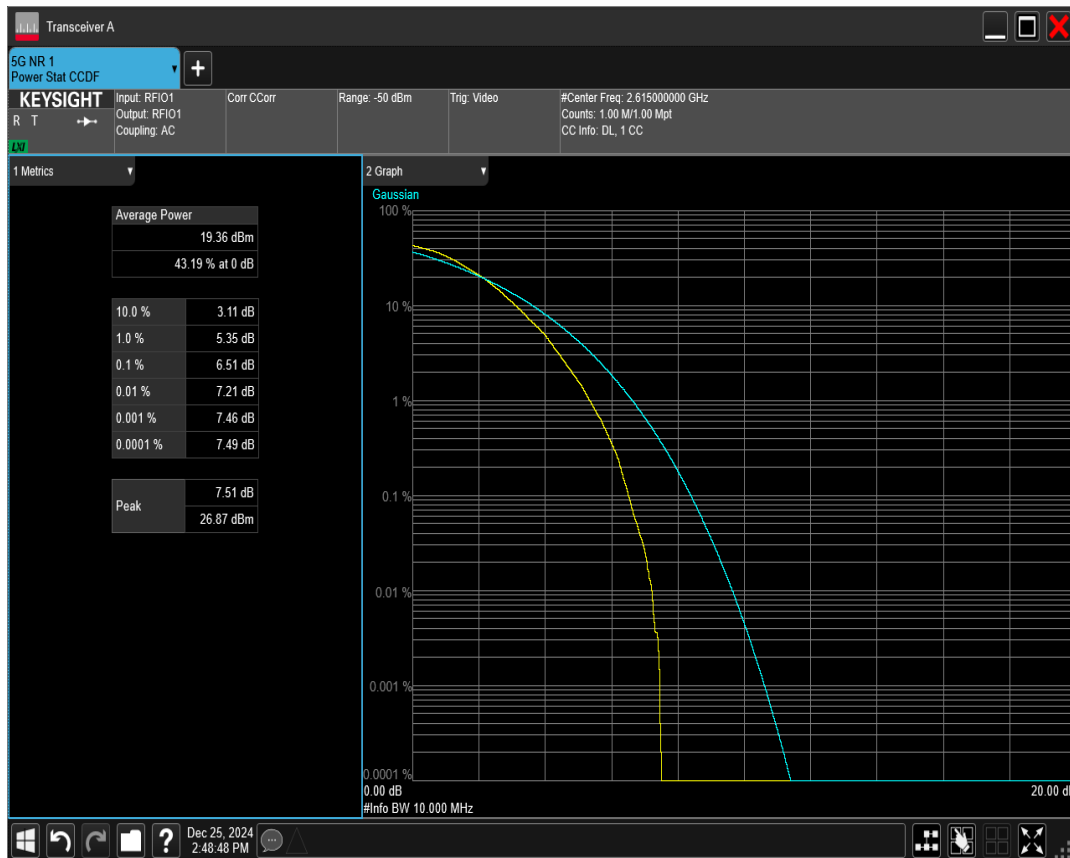
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



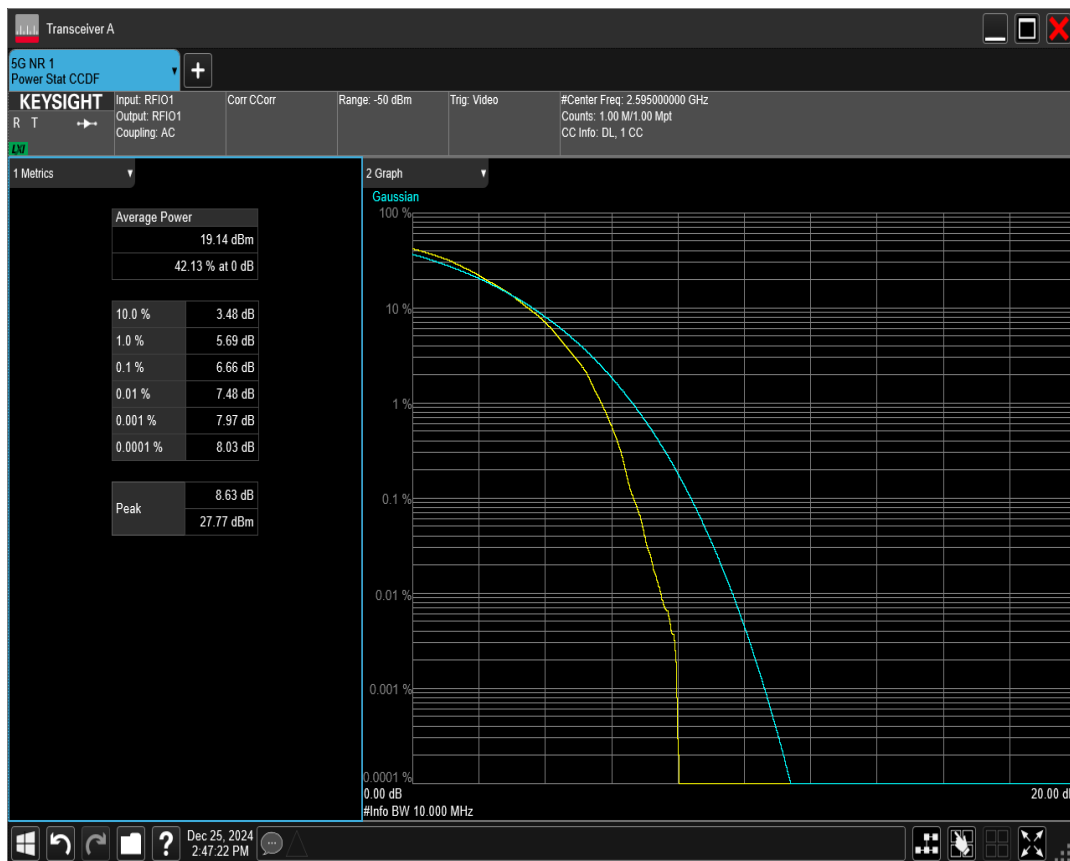
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



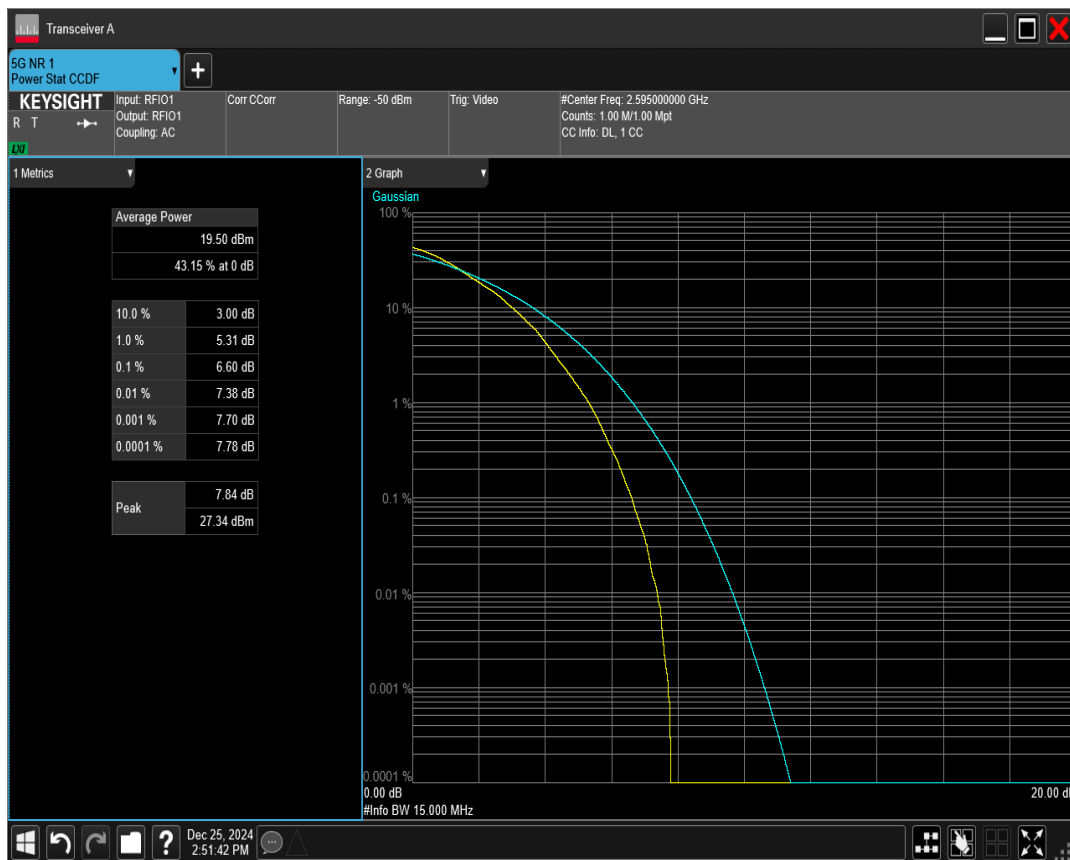
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



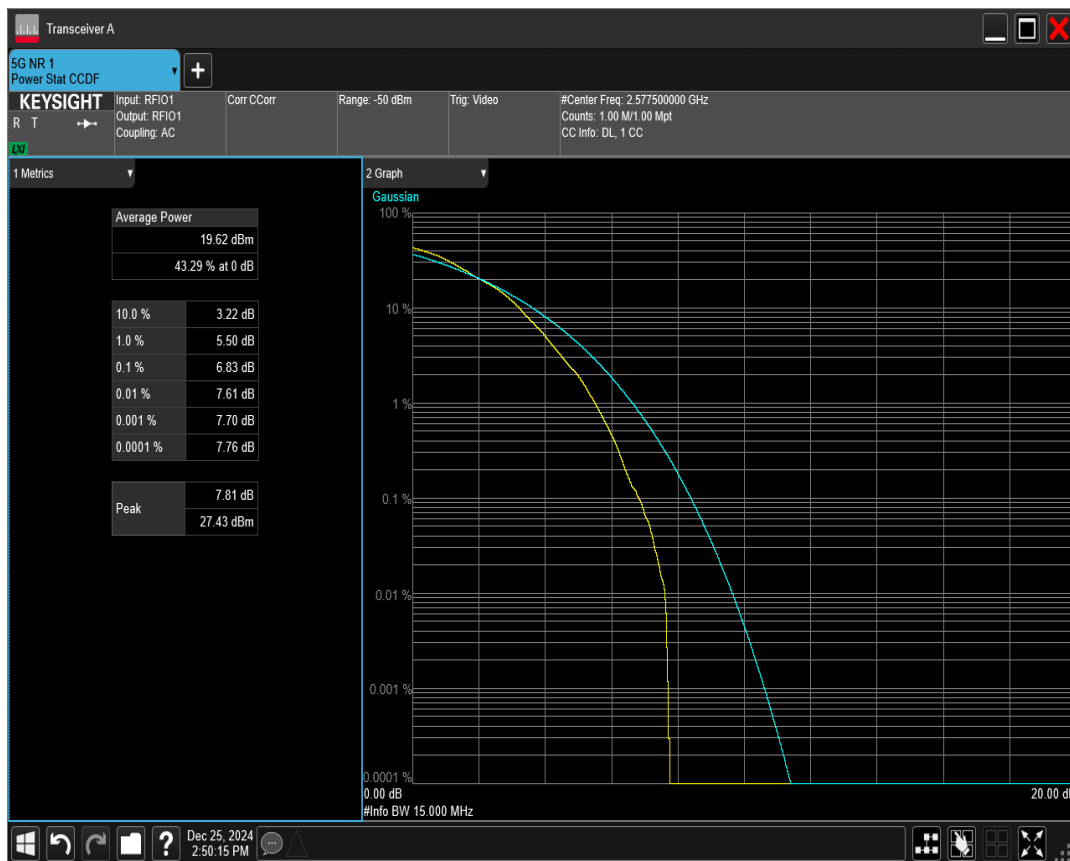
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



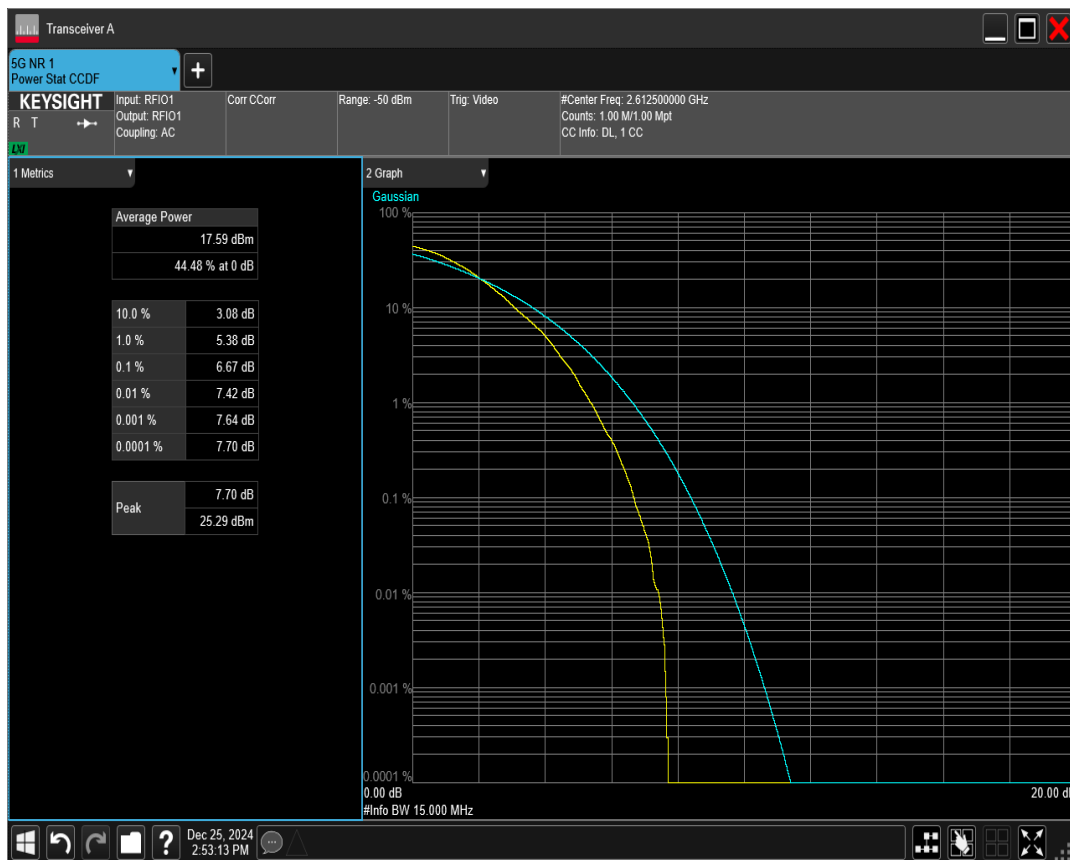
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



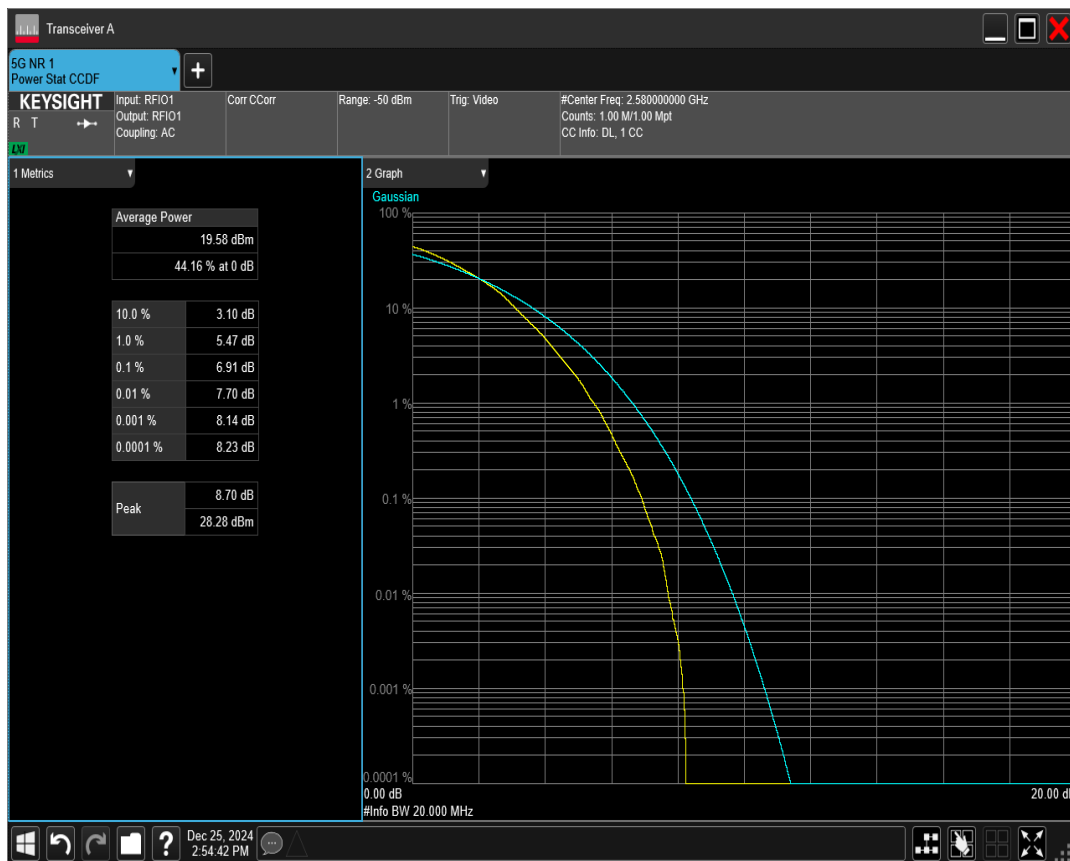
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



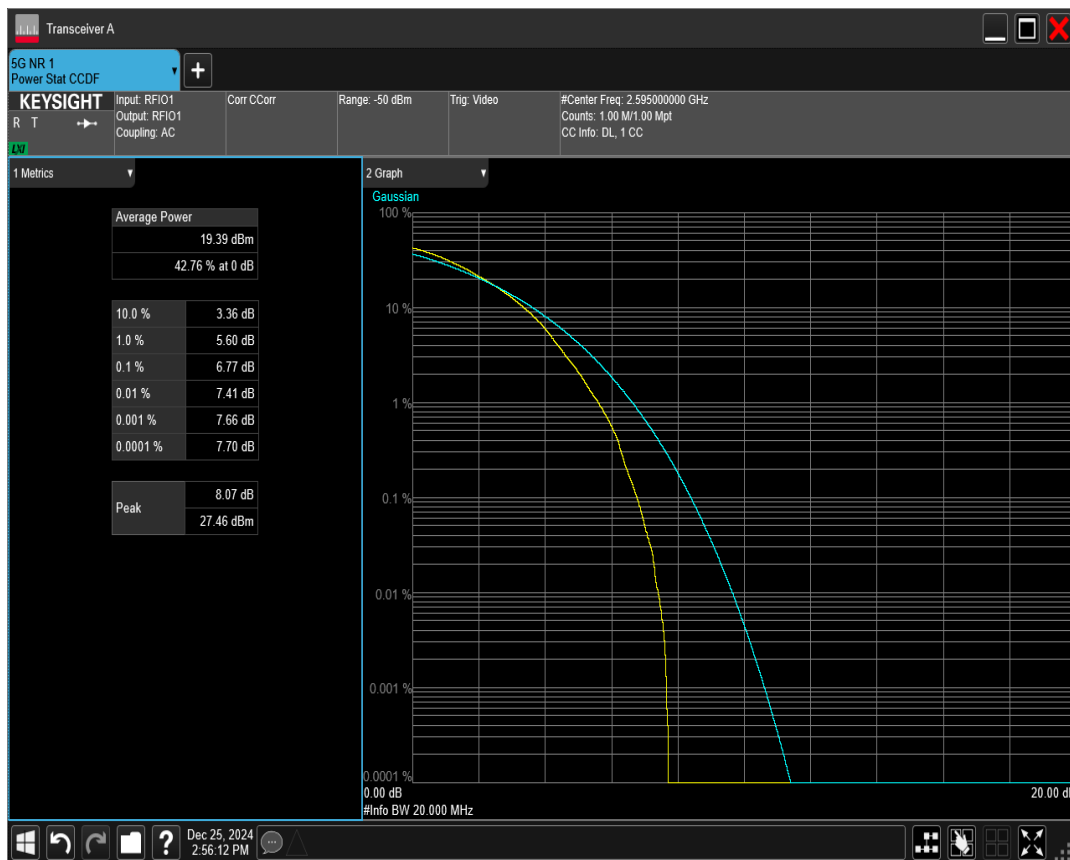
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



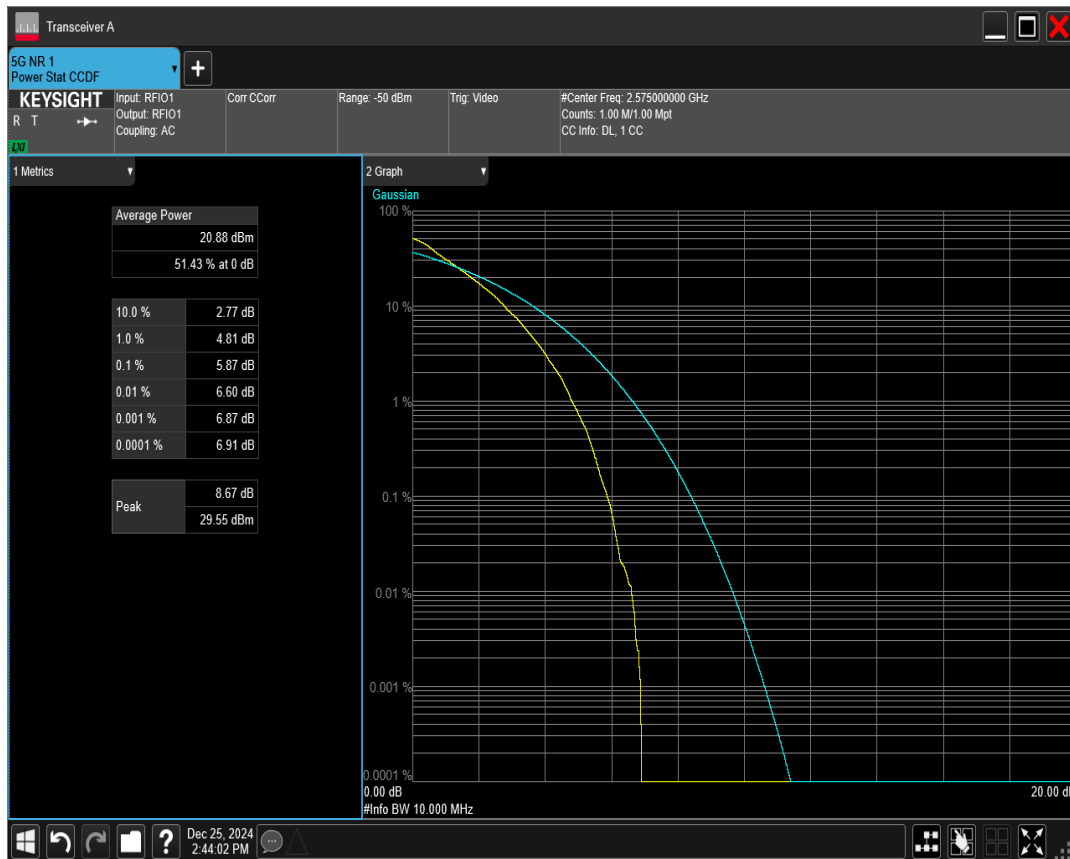
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



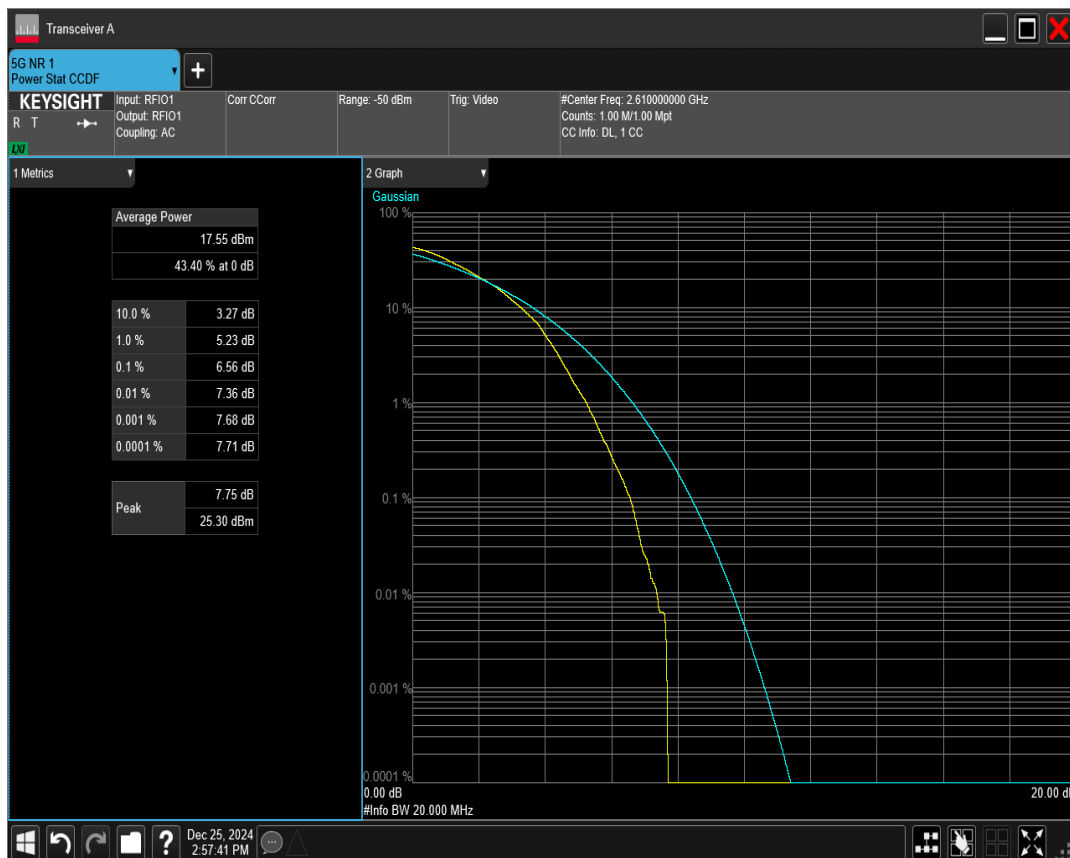
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



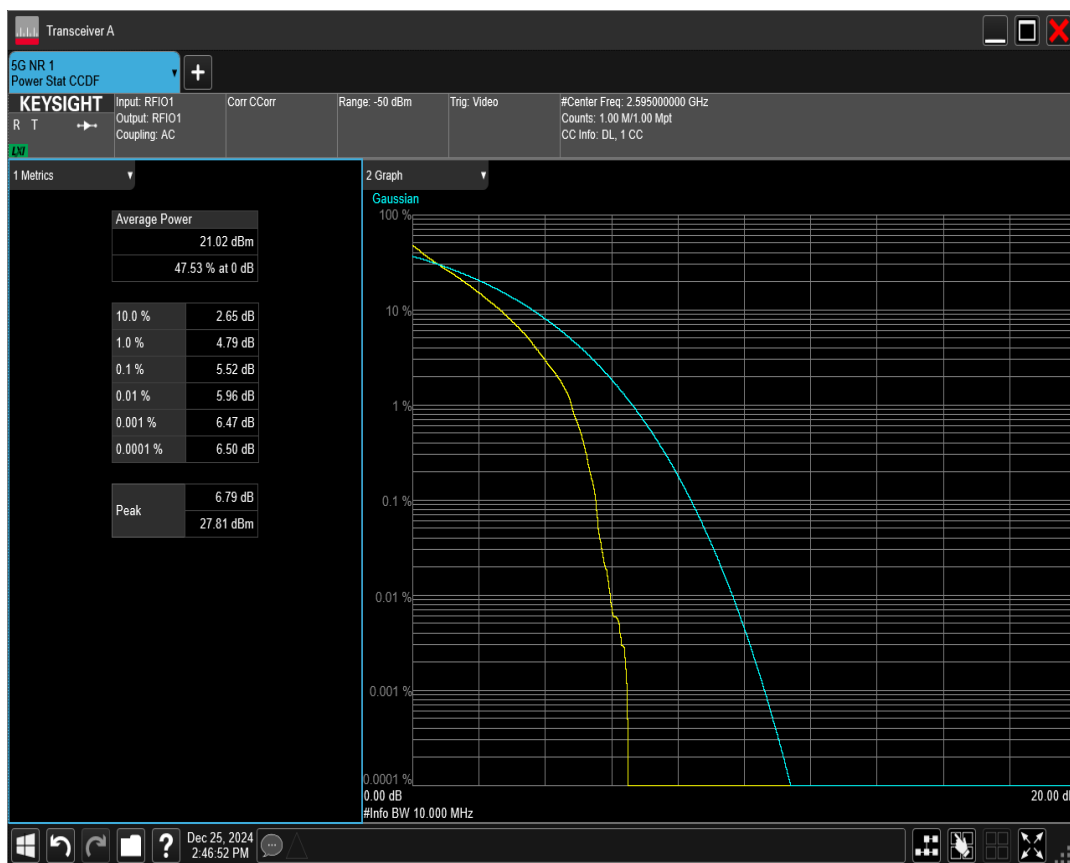
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



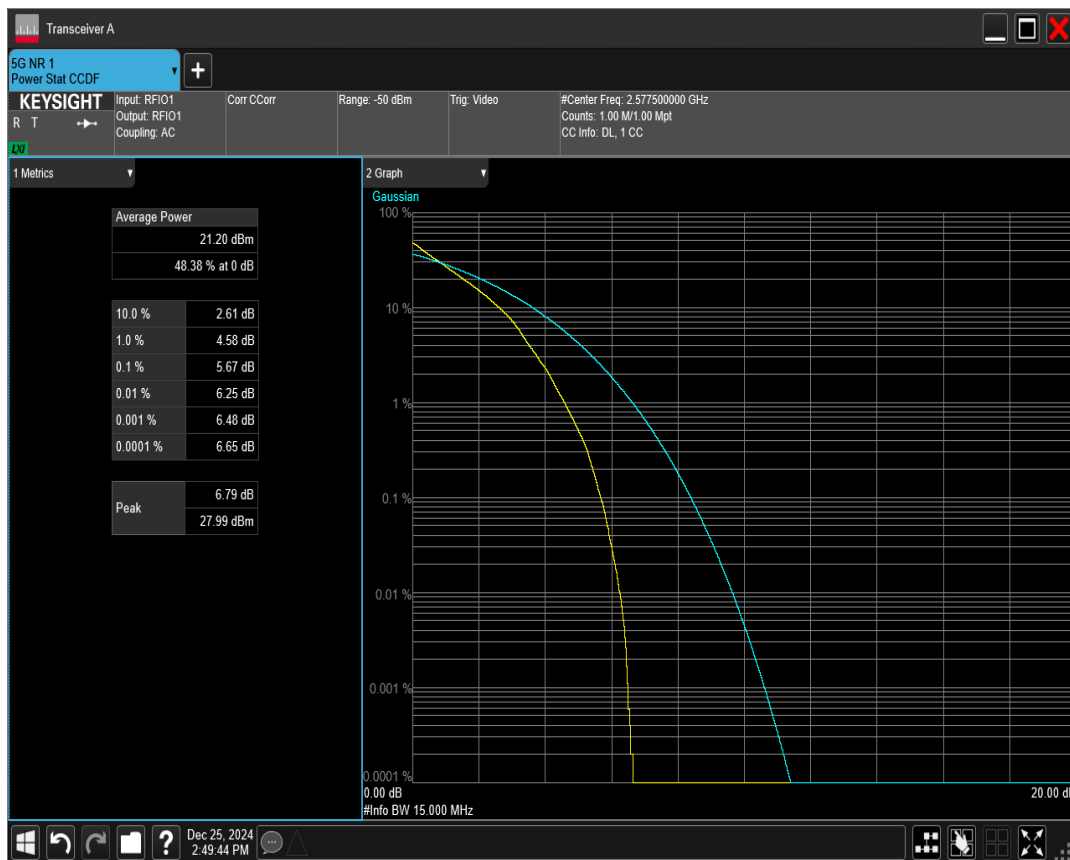
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



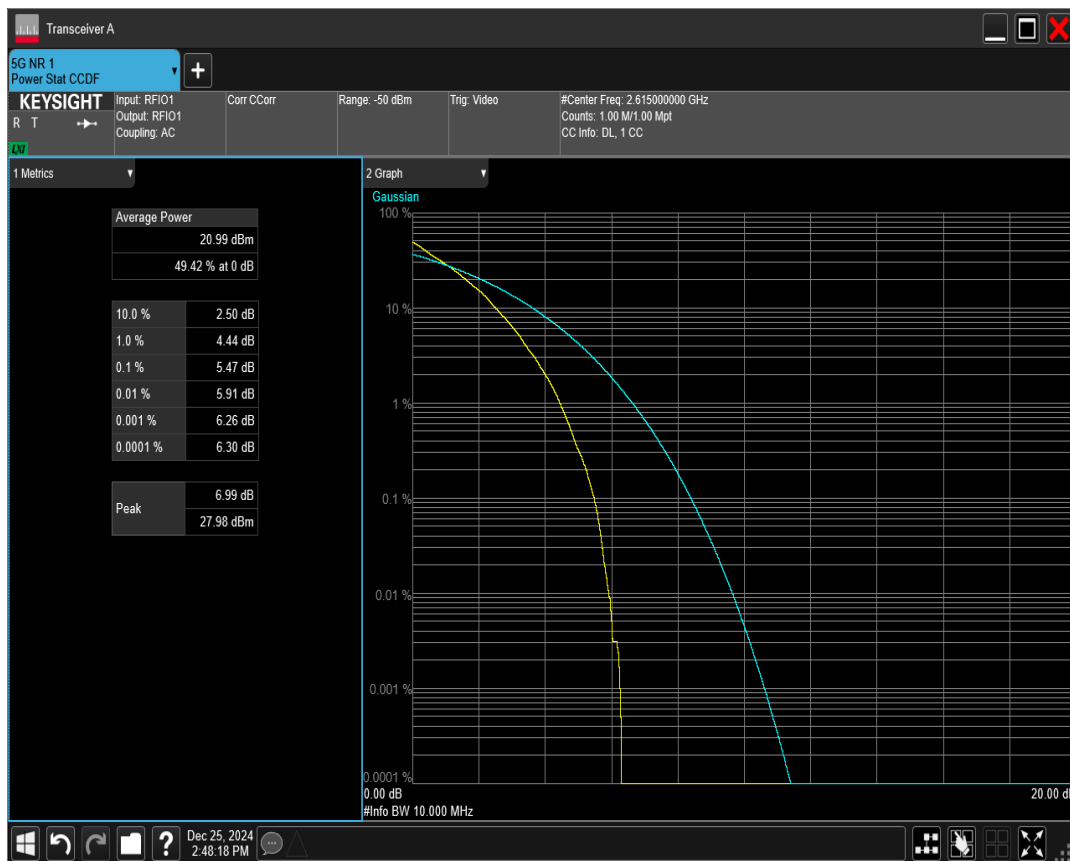
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



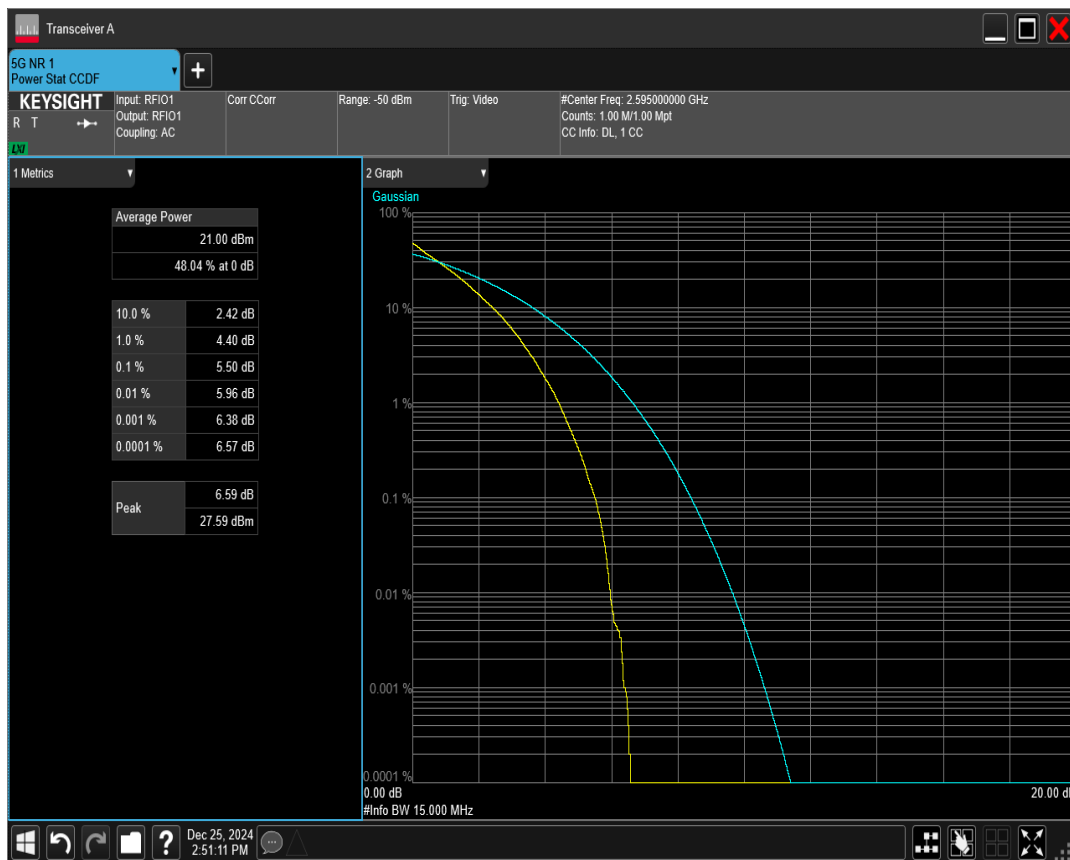
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



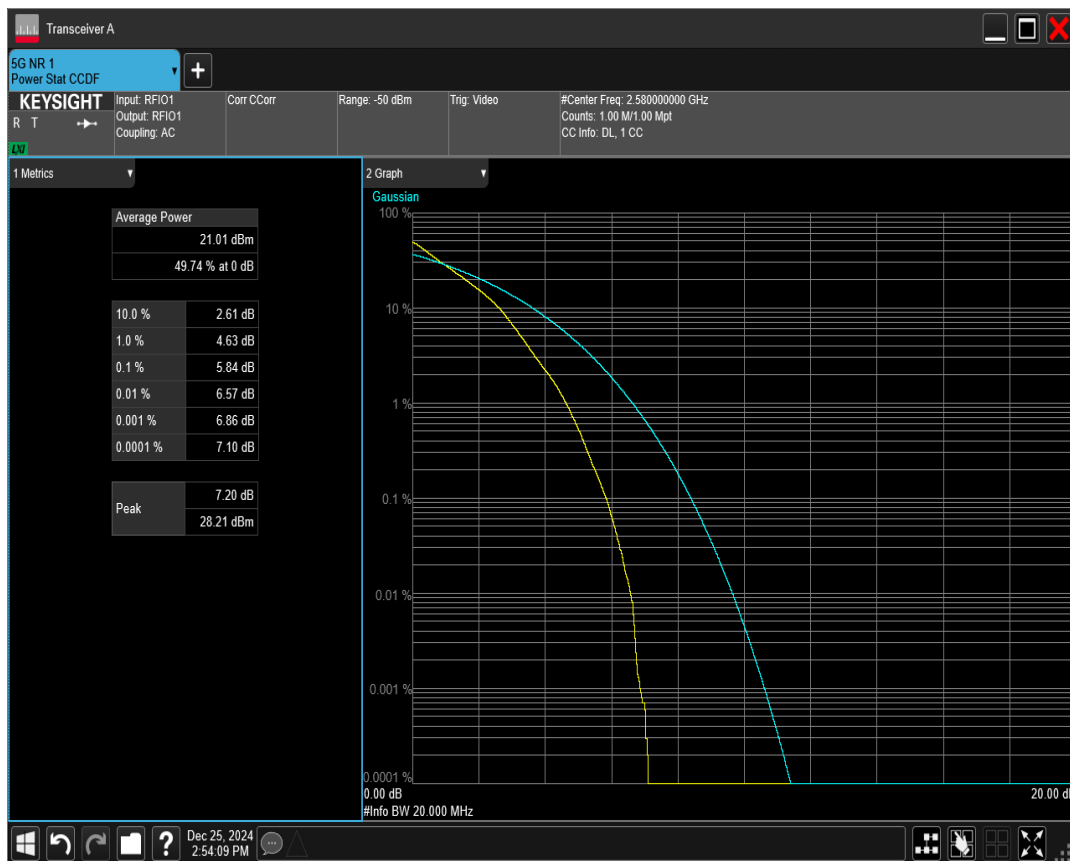
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



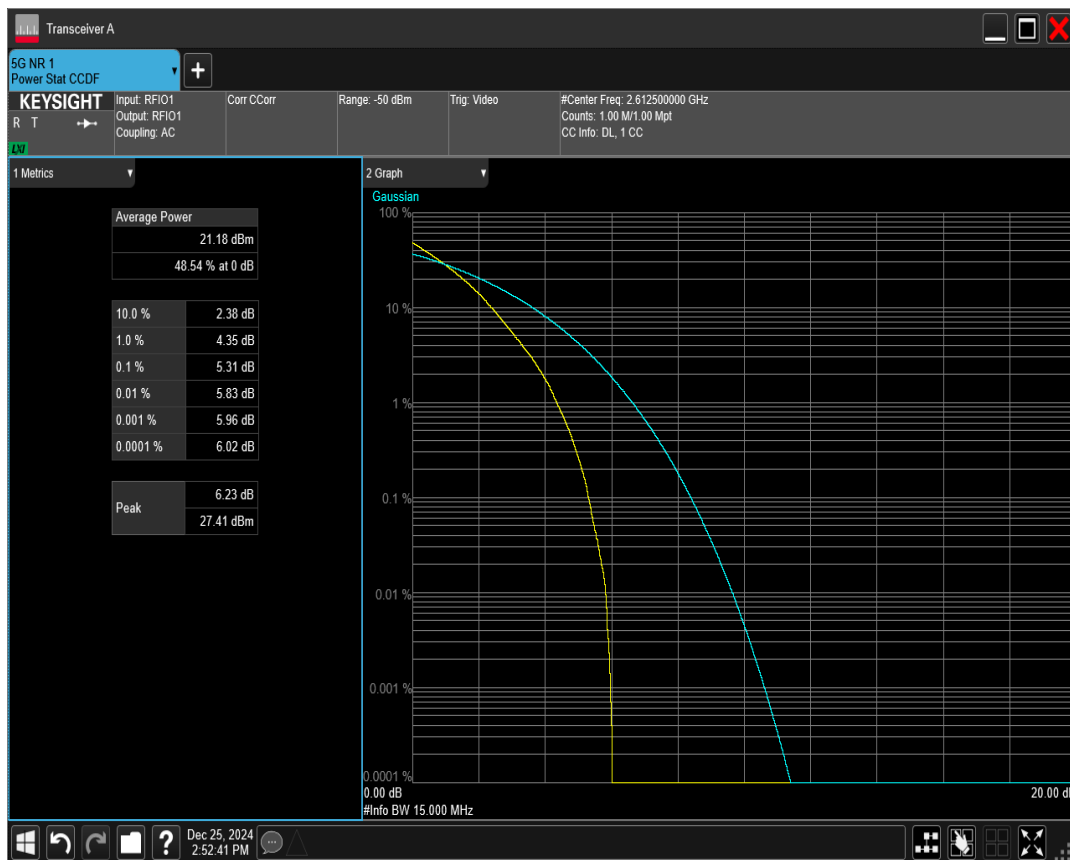
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



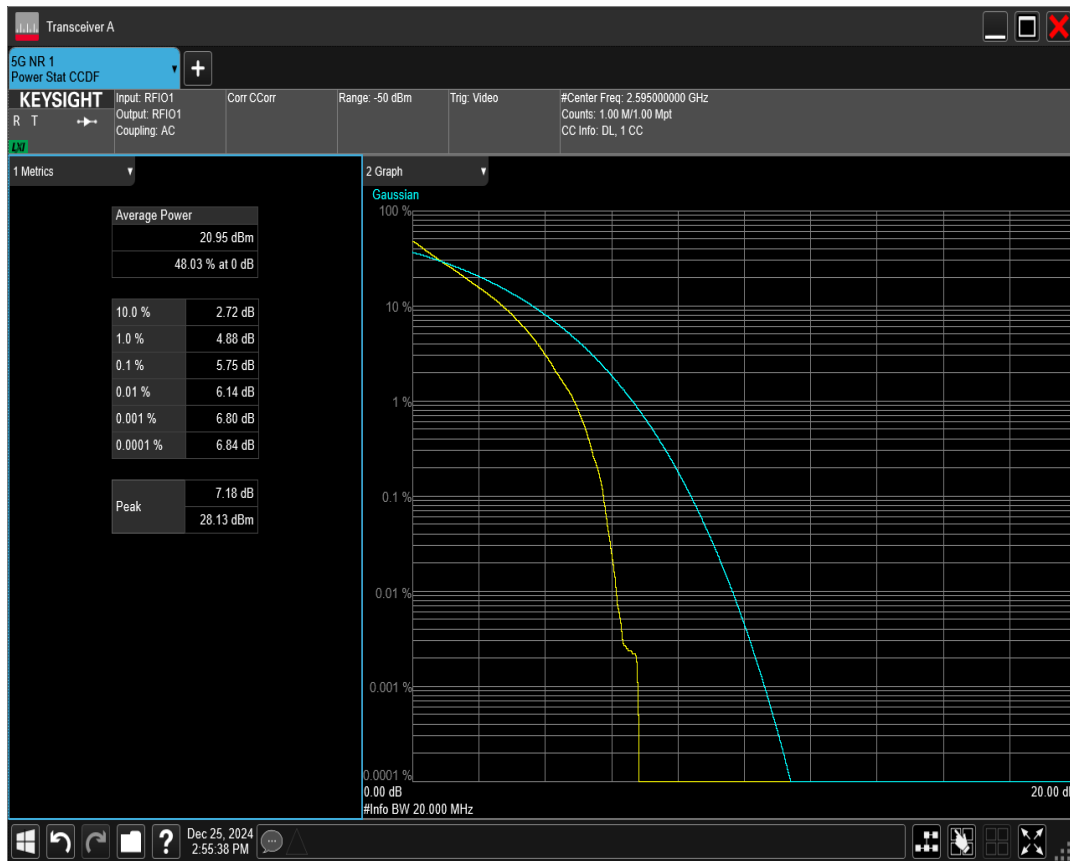
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



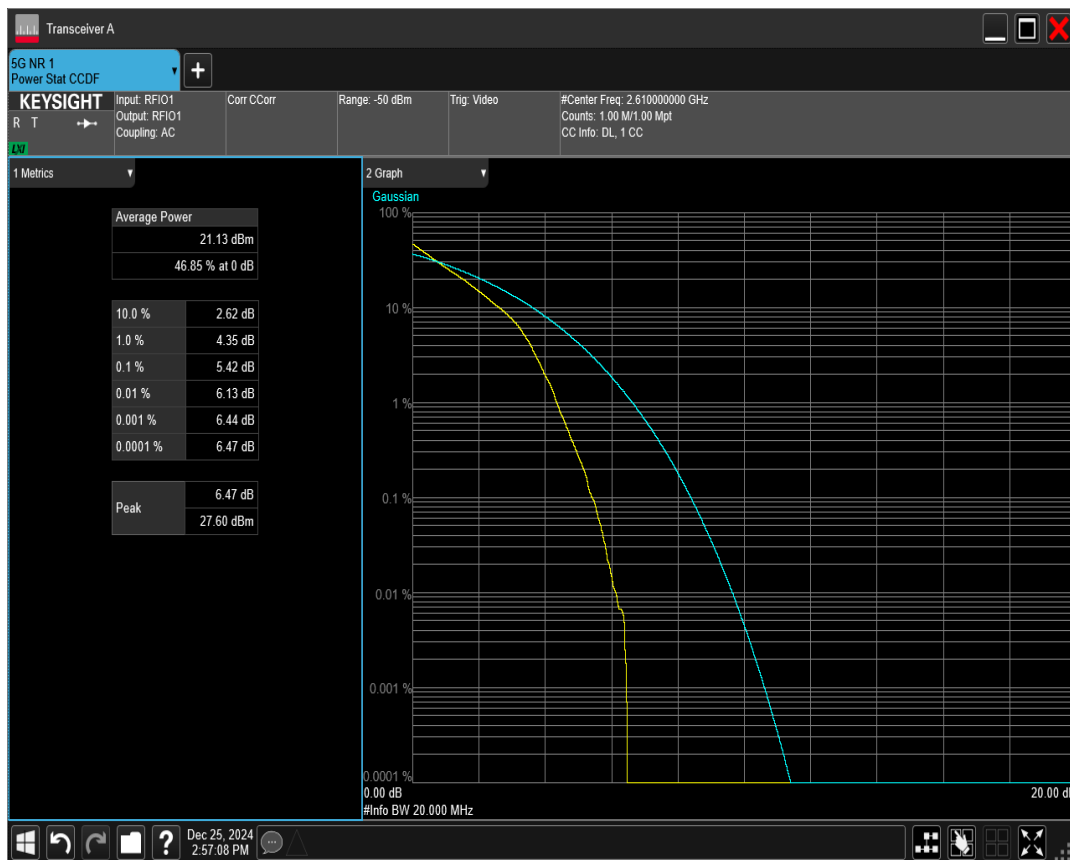
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



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	8.550	8.910	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.560	8.980	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.550	8.890	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.560	8.940	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.570	8.870	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.410	13.330	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.480	13.280	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.430	13.300	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.420	13.260	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.350	13.260	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.060	18.310	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.060	18.280	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.040	18.270	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.010	18.260	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.010	18.260	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=20MHz Channel=519000 RB=50@0



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



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



n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@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=20MHz Channel=519000 RB=50@0



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



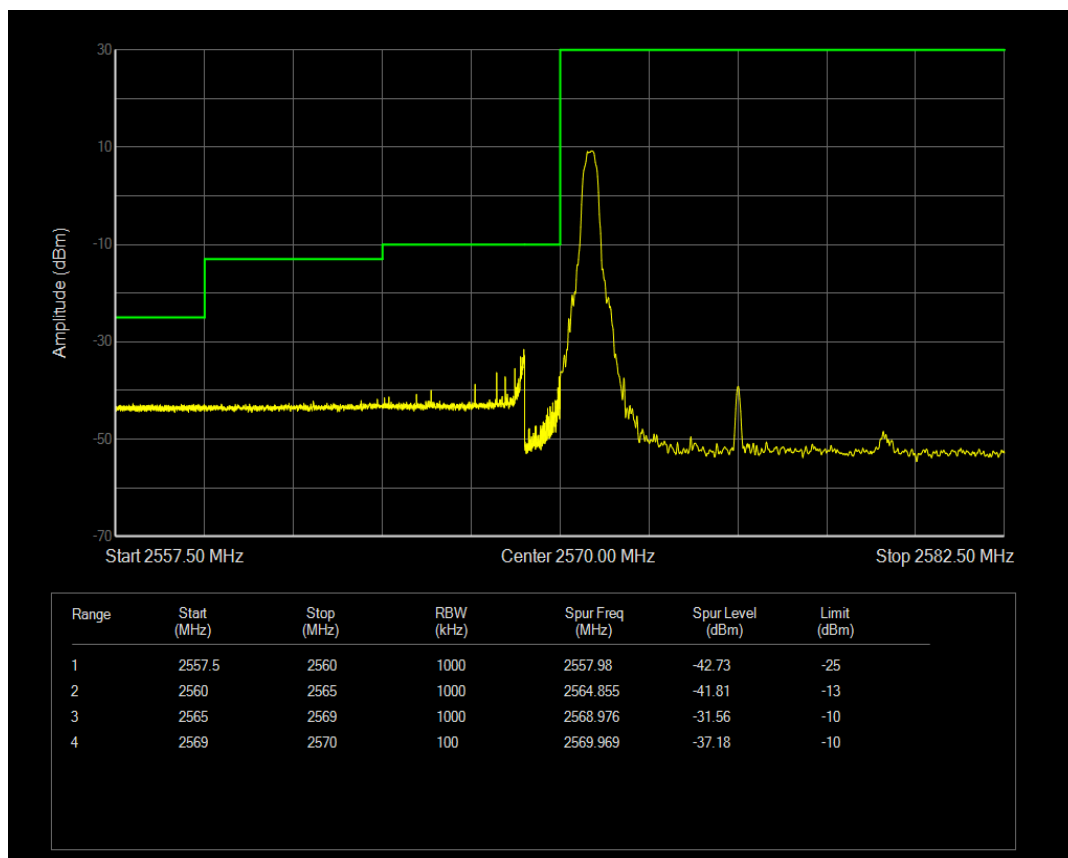
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0

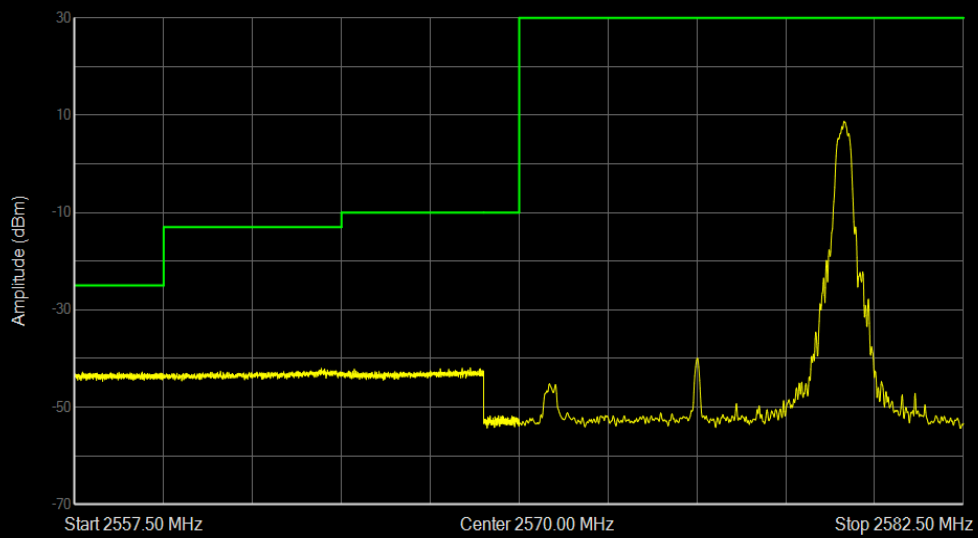


5 Band edge for NR FR1

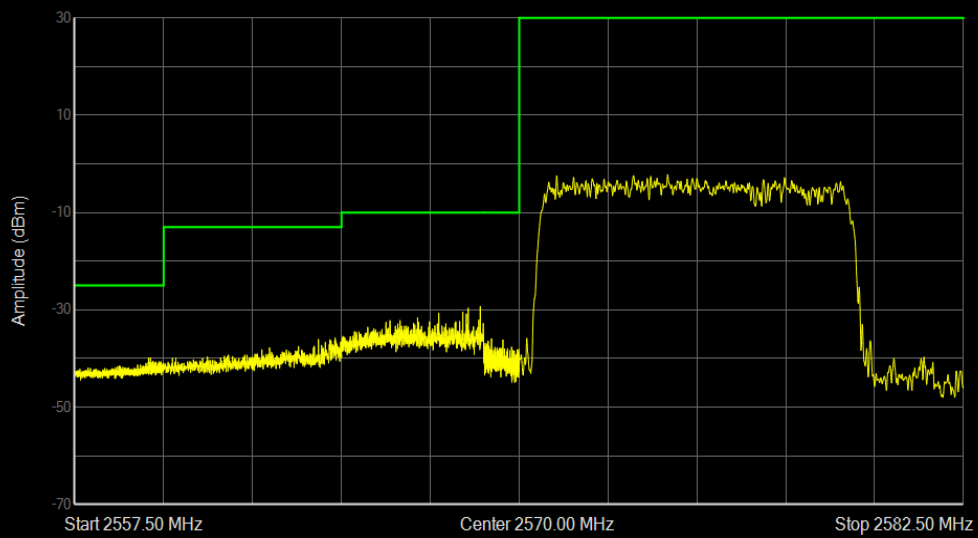
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	2559.57	-39.85	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2557.98	-42.73	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2557.72	-42.79	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2630.18	-39.70	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2631.50	-42.45	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2630.62	-42.66	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2554.49	-40.39	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2554.70	-42.68	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2551.76	-42.80	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2636.21	-39.84	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2638.52	-42.50	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2635.69	-42.78	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2549.59	-41.51	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2549.64	-42.75	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2548.13	-42.83	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2641.23	-40.82	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2643.68	-42.73	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2640.04	-42.80	-25	PASS

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



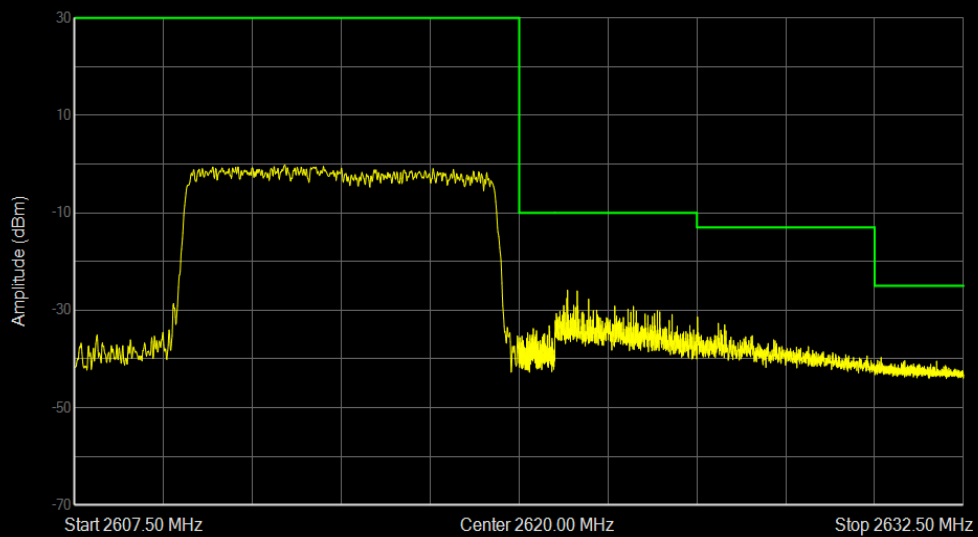
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23*n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0*

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



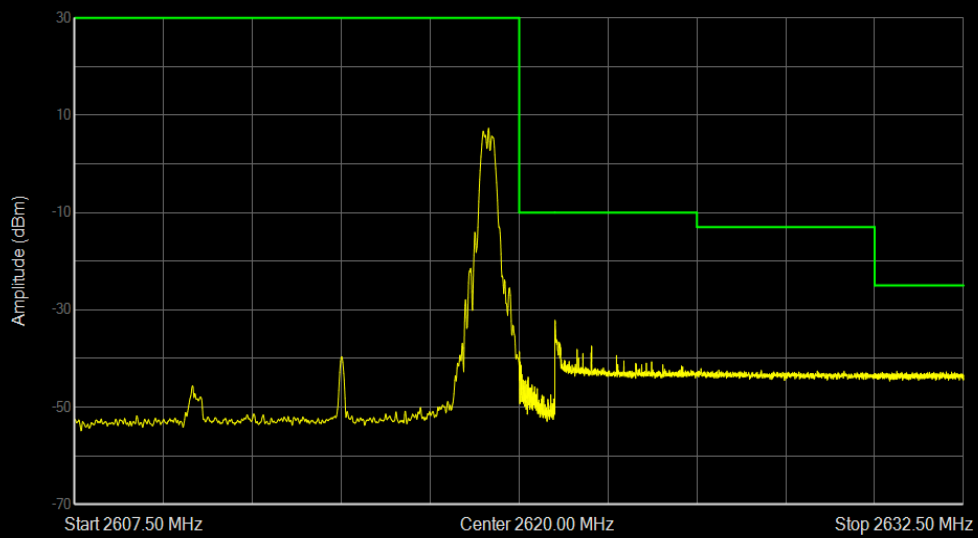
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.5725	-39.85	-25
2	2560	2565	1000	2564.82	-35.78	-13
3	2565	2569	1000	2568.904	-29.3	-10
4	2569	2570	200	2569.219	-35.93	-10

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



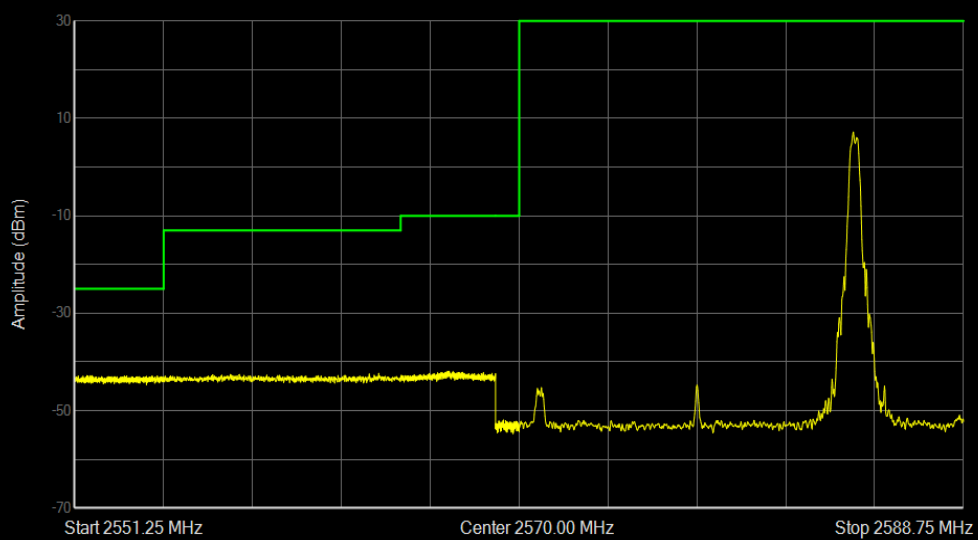
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.843	-33.19	-10
3	2621	2625	1000	2621.36	-25.87	-10
4	2625	2630	1000	2625.015	-31.38	-13
5	2630	2632.5	1000	2630.18	-39.7	-25

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



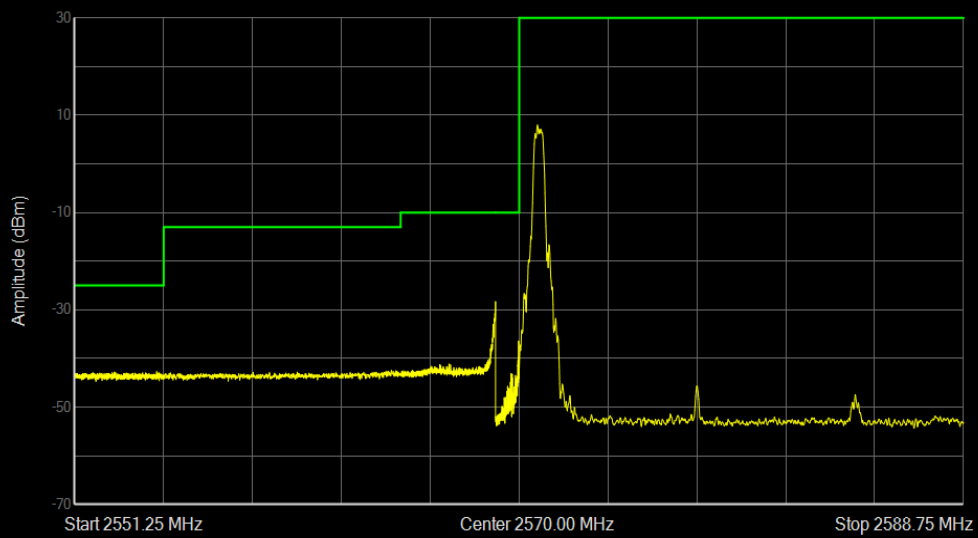
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.005	-38.58	-10
3	2621	2625	1000	2621.008	-32.16	-10
4	2625	2630	1000	2625.115	-42.09	-13
5	2630	2632.5	1000	2630.6225	-42.66	-25

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	2551.25	2555	1000	2551.75625	-42.8	-25
2	2555	2565	1000	2564.07	-42.34	-13
3	2565	2569	1000	2567.044	-41.91	-10
4	2569	2570	100	2569.336	-51.95	-10

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



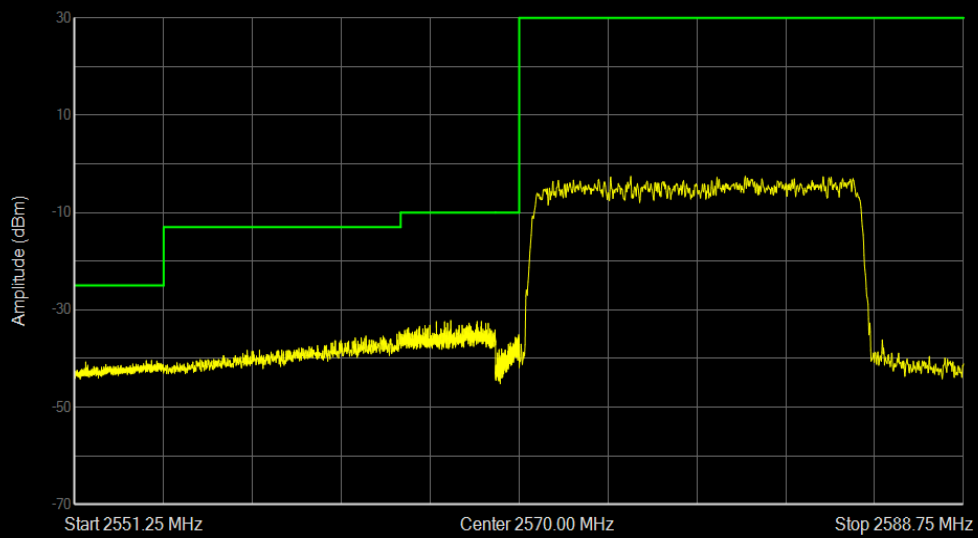
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.7	-42.68	-25
2	2555	2565	1000	2564.6	-42.44	-13
3	2565	2569	1000	2569	-28.31	-10
4	2569	2570	100	2569.975	-36.43	-10

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



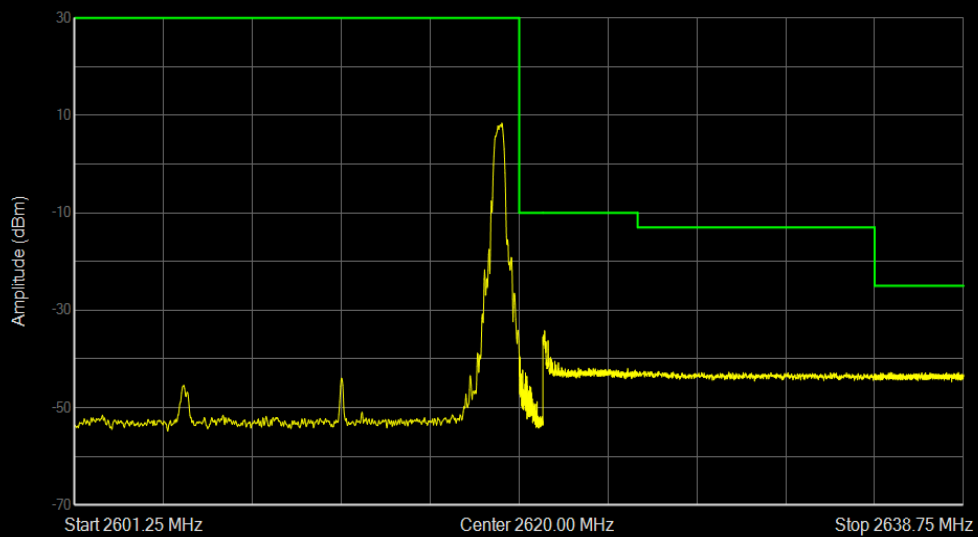
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.394	-51.71	-10
3	2621	2625	1000	2623.168	-42.16	-10
4	2625	2635	1000	2627.52	-42.47	-13
5	2635	2638.75	1000	2638.5175	-42.5	-25

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



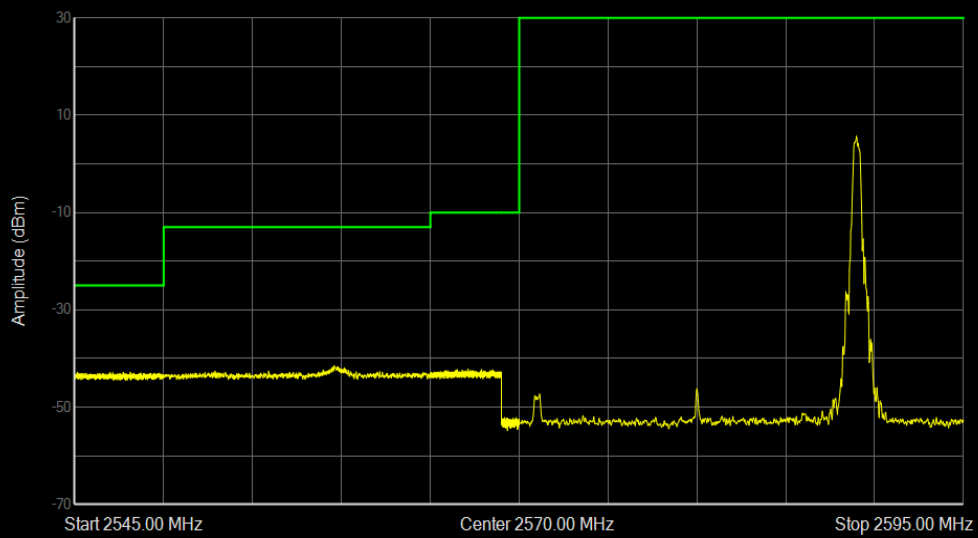
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.48625	-40.39	-25
2	2555	2565	1000	2564.94	-34.5	-13
3	2565	2569	1000	2567.112	-32.19	-10
4	2569	2570	300	2569.979	-35.12	-10

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	2620.005	-39.29	-10
3	2621	2625	1000	2621.072	-34.22	-10
4	2625	2635	1000	2625.26	-42.57	-13
5	2635	2638.75	1000	2635.69375	-42.78	-25

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



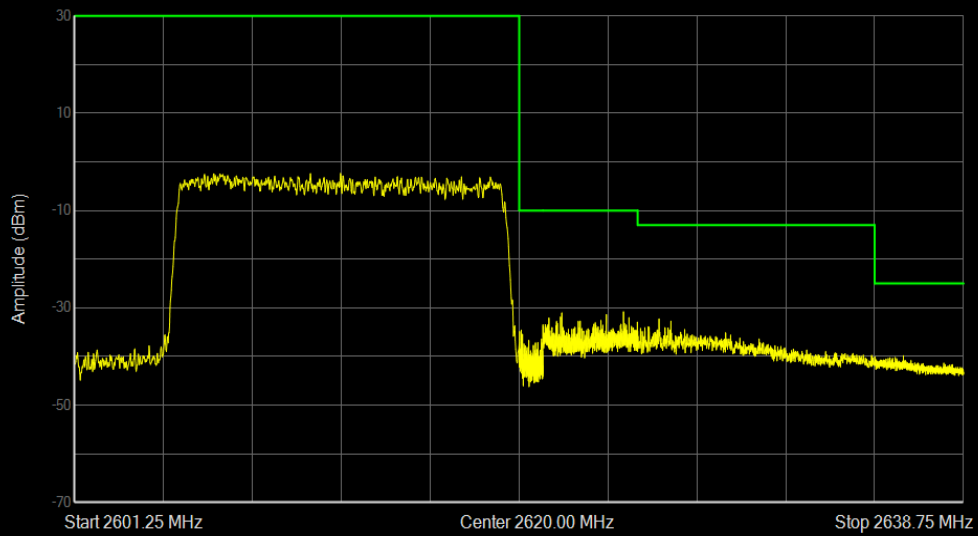
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2548.125	-42.83	-25
2	2550	2565	1000	2559.6	-41.49	-13
3	2565	2569	1000	2567.124	-42.22	-10
4	2569	2570	100	2569.166	-52.17	-10

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	2549.635	-42.75	-25
2	2550	2565	1000	2562.765	-42.61	-13
3	2565	2569	1000	2568.96	-39.94	-10
4	2569	2570	100	2569.749	-42.48	-10

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



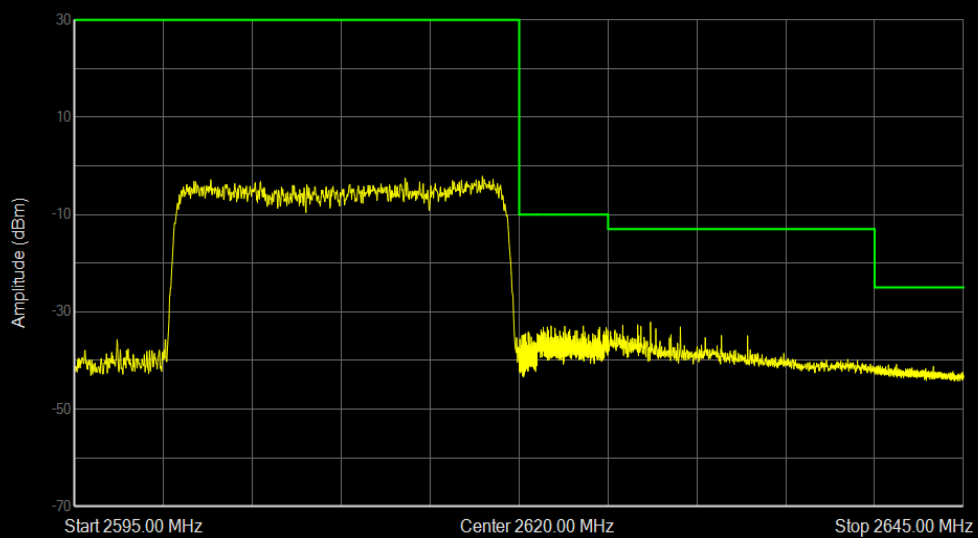
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.089	-34.57	-10
3	2621	2625	1000	2624.4	-30.82	-10
4	2625	2635	1000	2625.9	-32.28	-13
5	2635	2638.75	1000	2636.21125	-39.84	-25

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



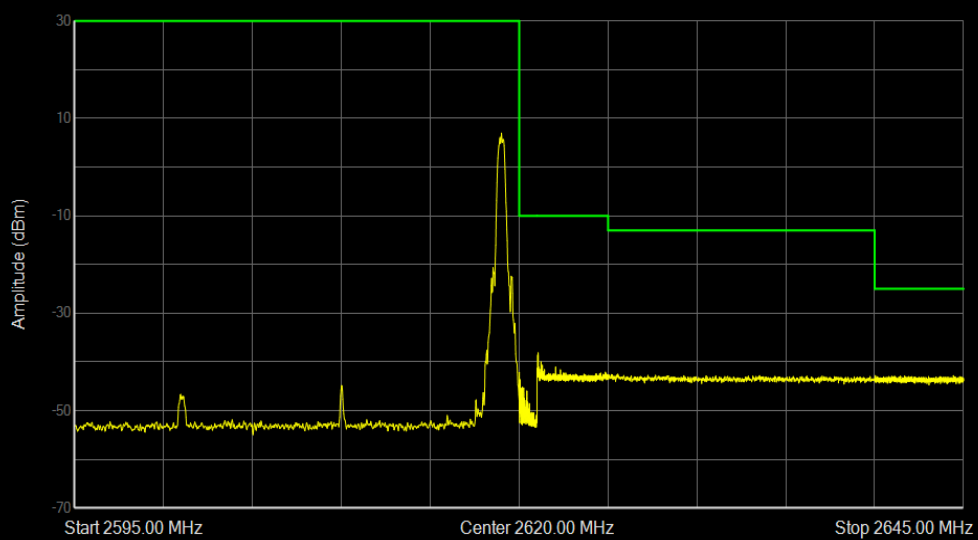
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.585	-41.51	-25
2	2550	2565	1000	2564.895	-35.28	-13
3	2565	2569	1000	2568.604	-34.89	-10
4	2569	2570	430	2569.002	-37.32	-10

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	2620.518	-34.11	-10
3	2621	2625	1000	2621.796	-32.92	-10
4	2625	2640	1000	2627.385	-32.14	-13
5	2640	2645	1000	2641.225	-40.82	-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	2620.004	-42.16	-10
3	2621	2625	1000	2621.064	-38.13	-10
4	2625	2640	1000	2625.555	-42.5	-13
5	2640	2645	1000	2640.04	-42.8	-25

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

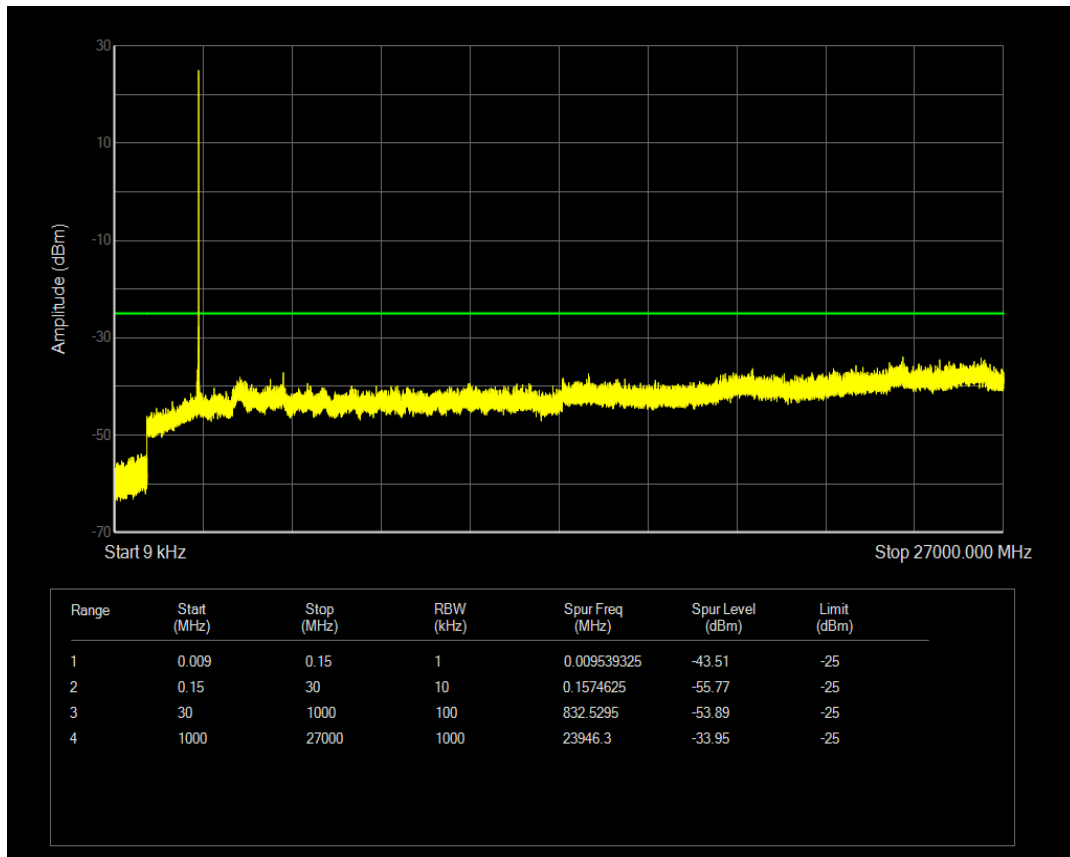


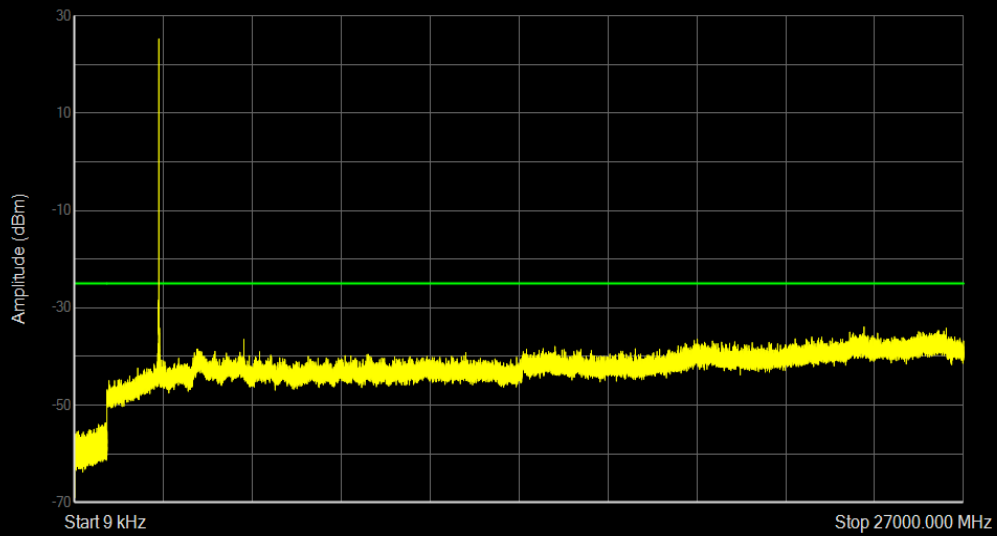
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.45	-51.79	-10
3	2621	2625	1000	2622.044	-41.88	-10
4	2625	2640	1000	2630.325	-42.12	-13
5	2640	2645	1000	2643.675	-42.73	-25

6 Out-of-band emissions for NR FR1

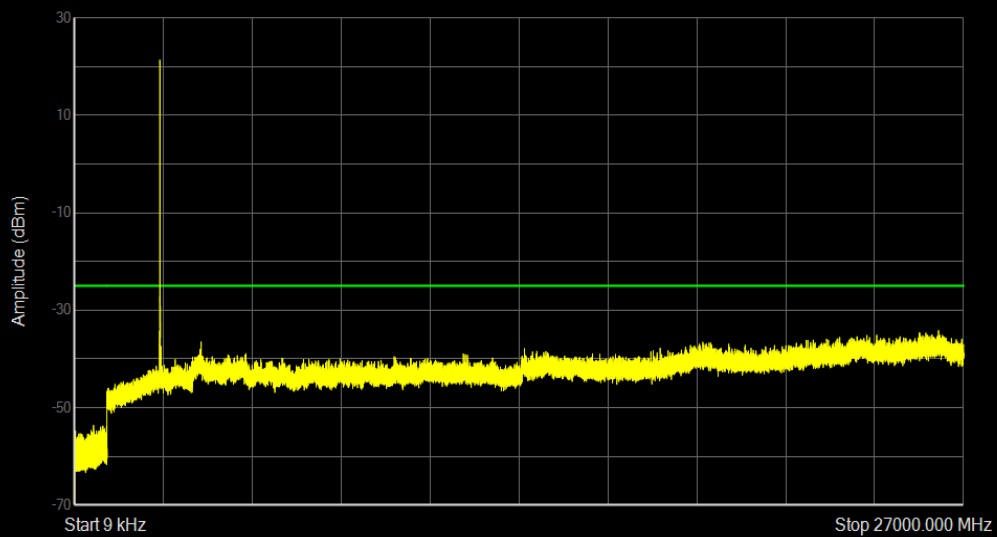
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	26018.50	-33.93	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	23946.30	-33.95	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	23980.75	-33.92	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	26134.20	-33.86	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	26238.85	-34.18	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	5238.65	-32.82	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	26368.20	-34.04	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	26262.25	-34.30	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2688.70	-31.83	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	26180.35	-34.40	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	5212.00	-31.85	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	26266.80	-33.07	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	26494.30	-33.02	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	25693.50	-34.19	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	26331.15	-34.38	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	25930.10	-34.32	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	26285.65	-34.36	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	25852.75	-34.19	-25	PASS

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



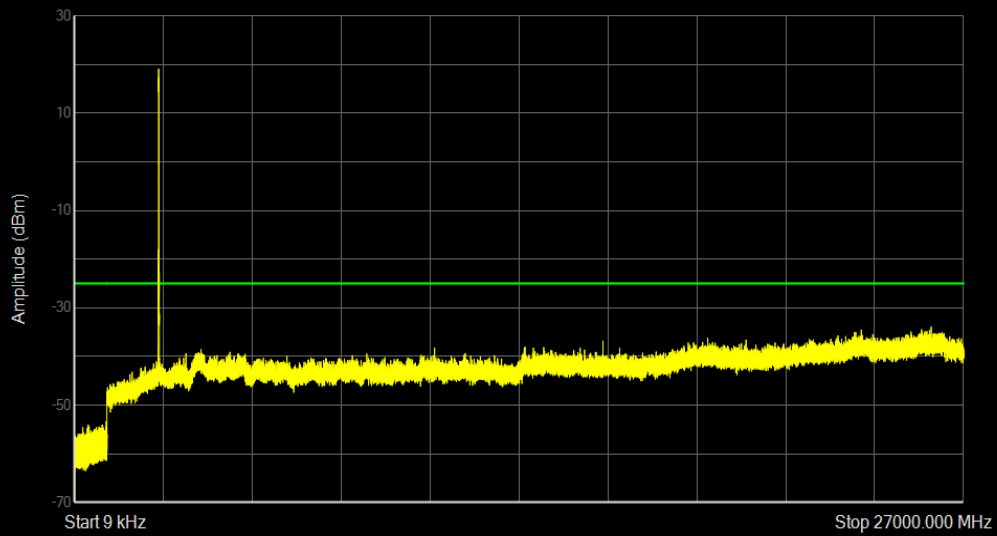
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010096275	-44.69	-25
2	0.15	30	10	0.15	-56.4	-25
3	30	1000	100	963.9645	-53.62	-25
4	1000	27000	1000	23980.75	-33.92	-25

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

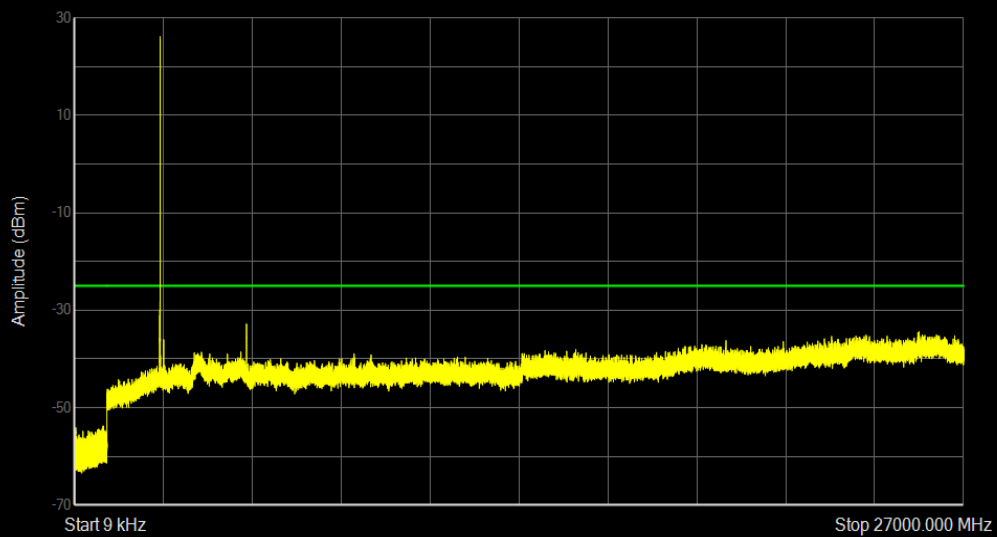
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01102335	-45.76	-25
2	0.15	30	10	0.16865625	-55.25	-25
3	30	1000	100	597.353	-53.68	-25
4	1000	27000	1000	26238.85	-34.18	-25

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

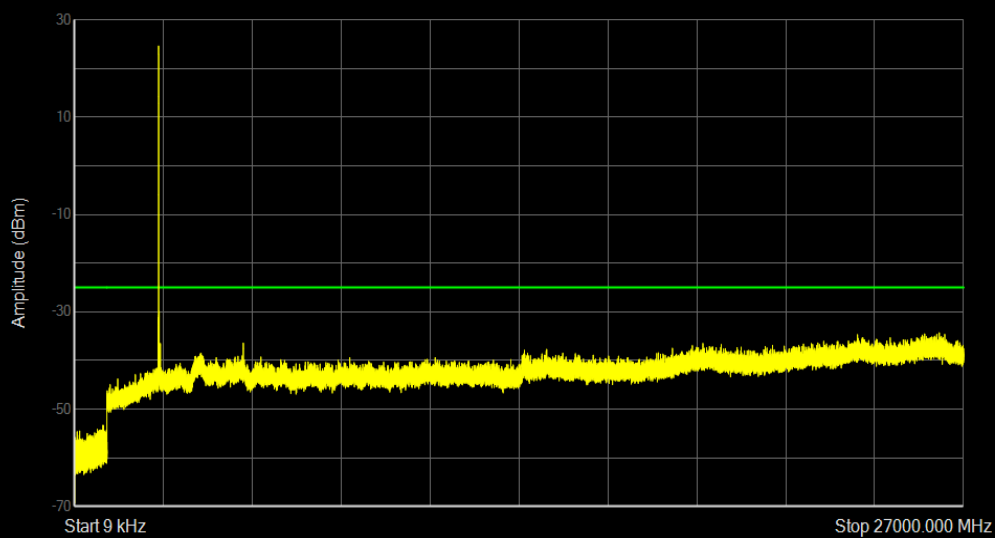


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01212315	-45.41	-25
2	0.15	30	10	0.15970125	-55.51	-25
3	30	1000	100	983.607	-53.35	-25
4	1000	27000	1000	26018.5	-33.93	-25

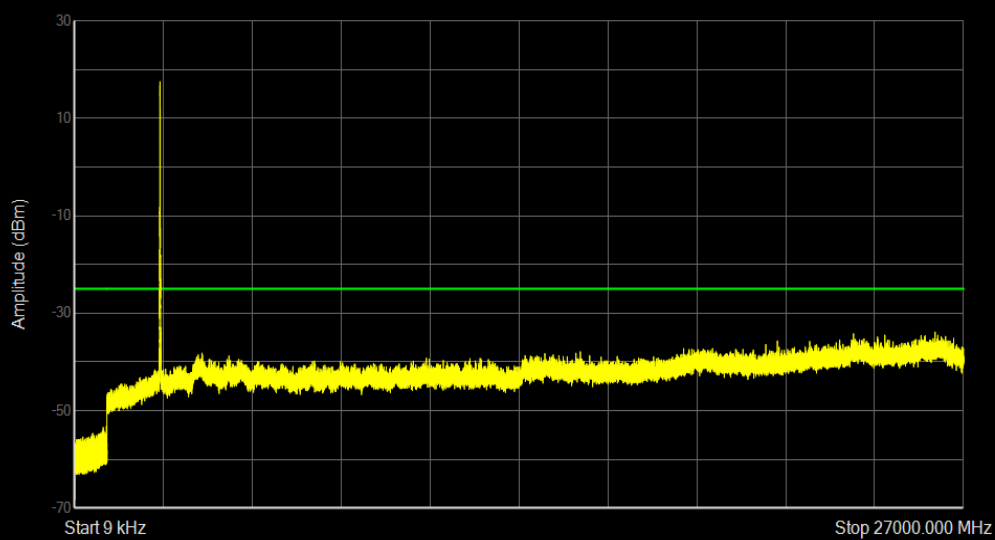
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23



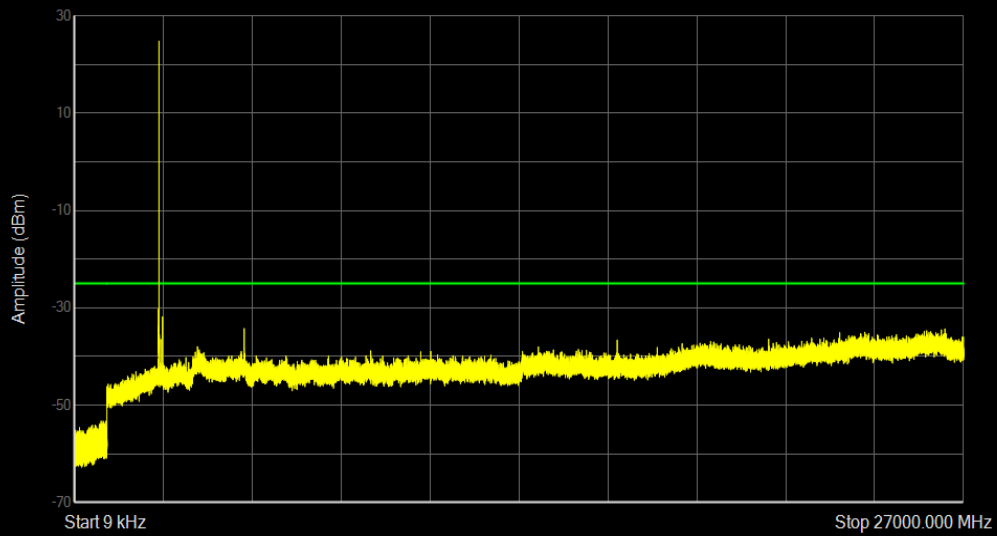
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014150025	-44.35	-25
2	0.15	30	10	0.158955	-55.51	-25
3	30	1000	100	887.189	-53.78	-25
4	1000	27000	1000	5238.65	-32.82	-25

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

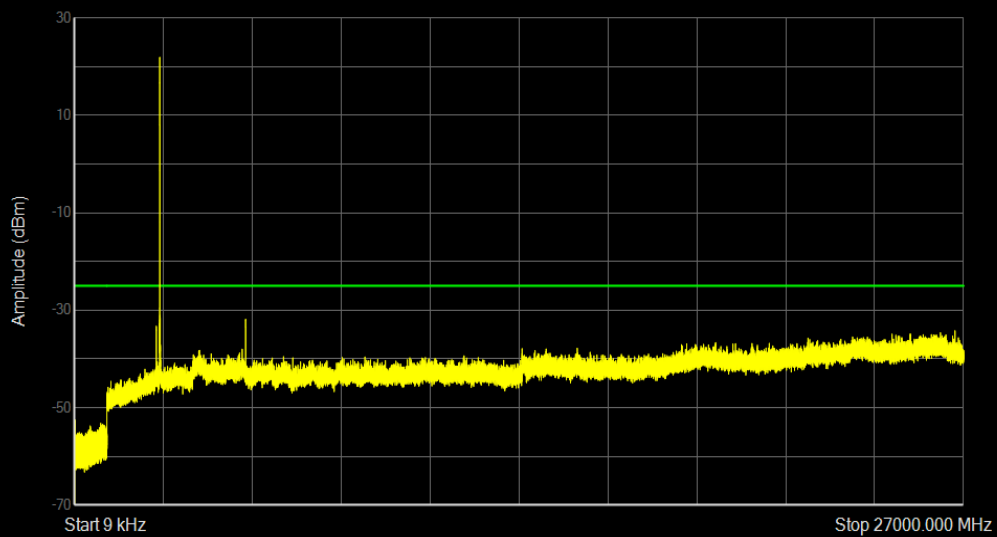
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01602885	-44.85	-25
2	0.15	30	10	0.15	-56.52	-25
3	30	1000	100	903.2425	-53.33	-25
4	1000	27000	1000	26262.25	-34.3	-25

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	0.010892925	-45.61	-25
2	0.15	30	10	0.15	-54.88	-25
3	30	1000	100	991.3185	-53.17	-25
4	1000	27000	1000	26134.2	-33.86	-25

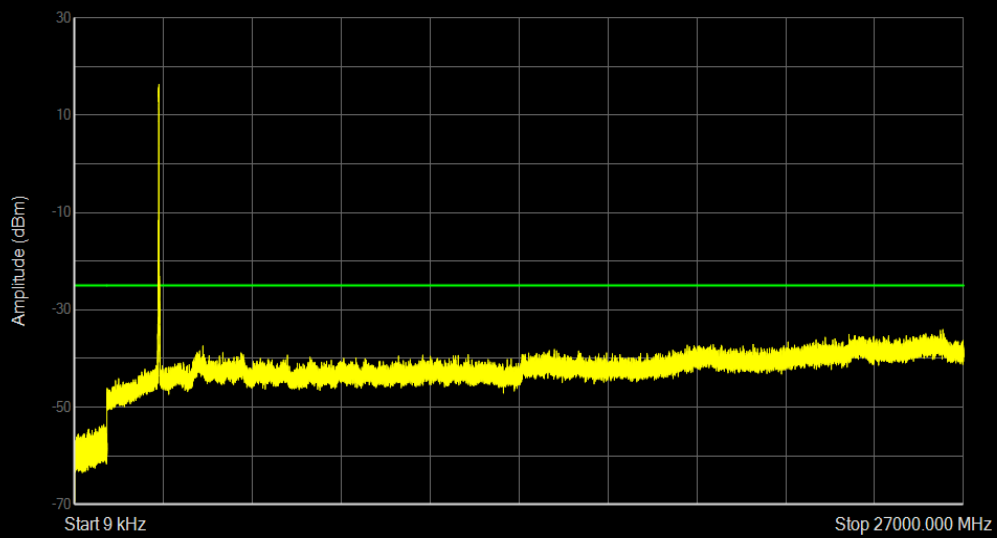
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01570455	-45.01	-25
2	0.15	30	10	0.15820875	-56.38	-25
3	30	1000	100	888.37725	-53.29	-25
4	1000	27000	1000	2688.7	-31.83	-25

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

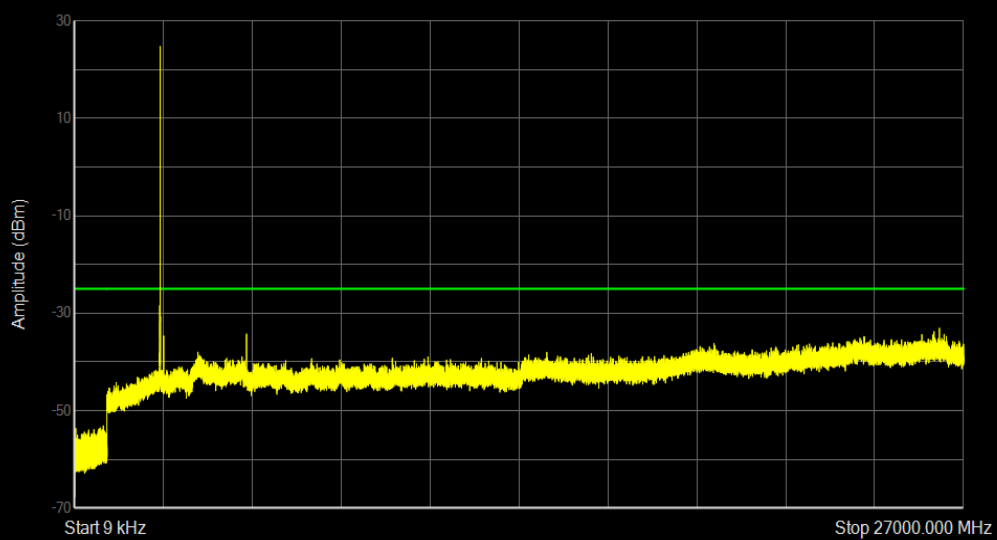
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091551	-45.26	-25
2	0.15	30	10	0.1813425	-56.72	-25
3	30	1000	100	44.57425	-52.56	-25
4	1000	27000	1000	5212	-31.85	-25

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



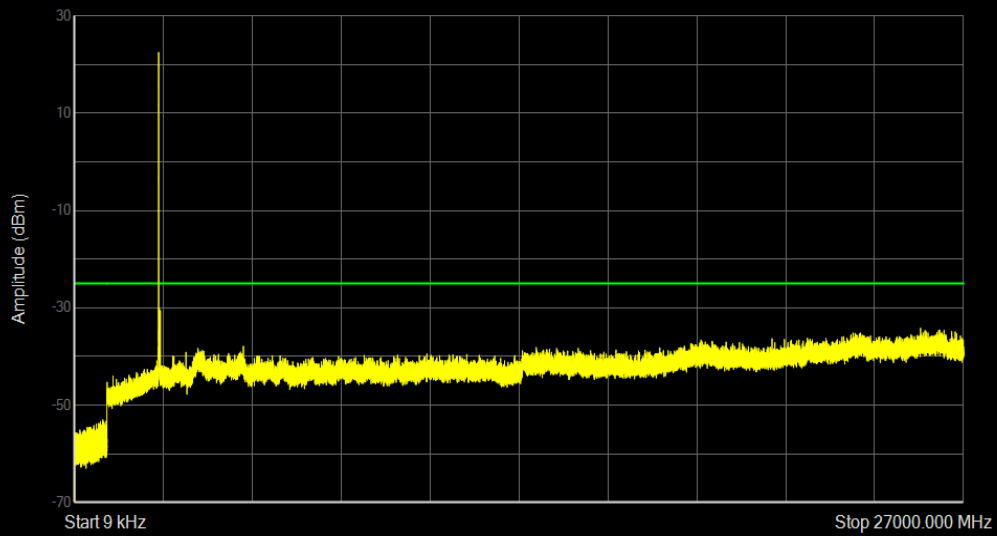
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01908855	-45.13	-25
2	0.15	30	10	0.15	-54.99	-25
3	30	1000	100	904.843	-53.57	-25
4	1000	27000	1000	26368.2	-34.04	-25

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



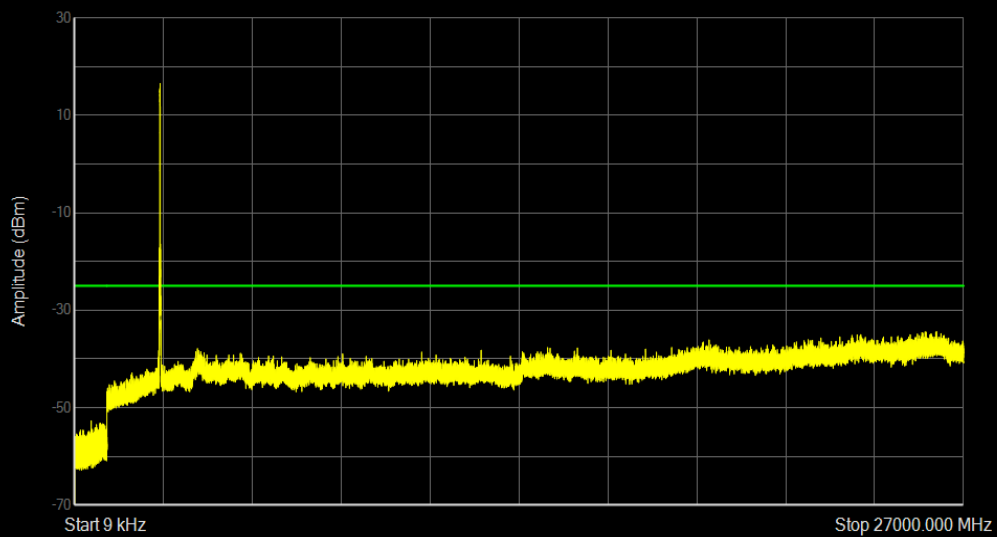
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014594175	-45.45	-25
2	0.15	30	10	0.15373125	-56.07	-25
3	30	1000	100	893.4455	-53.11	-25
4	1000	27000	1000	26266.8	-33.07	-25

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

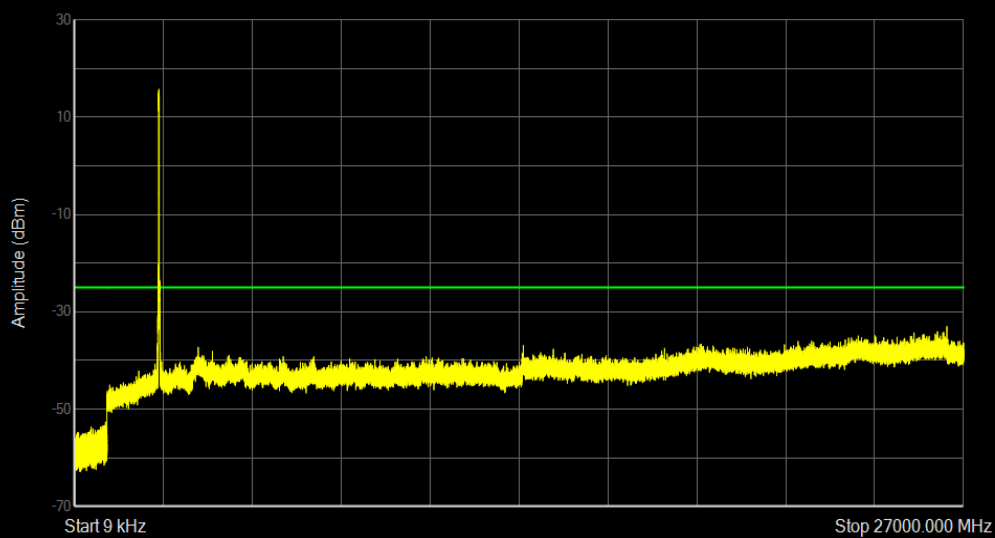


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00985305	-44.94	-25
2	0.15	30	10	0.15	-56.47	-25
3	30	1000	100	880.37475	-53.02	-25
4	1000	27000	1000	25693.5	-34.19	-25

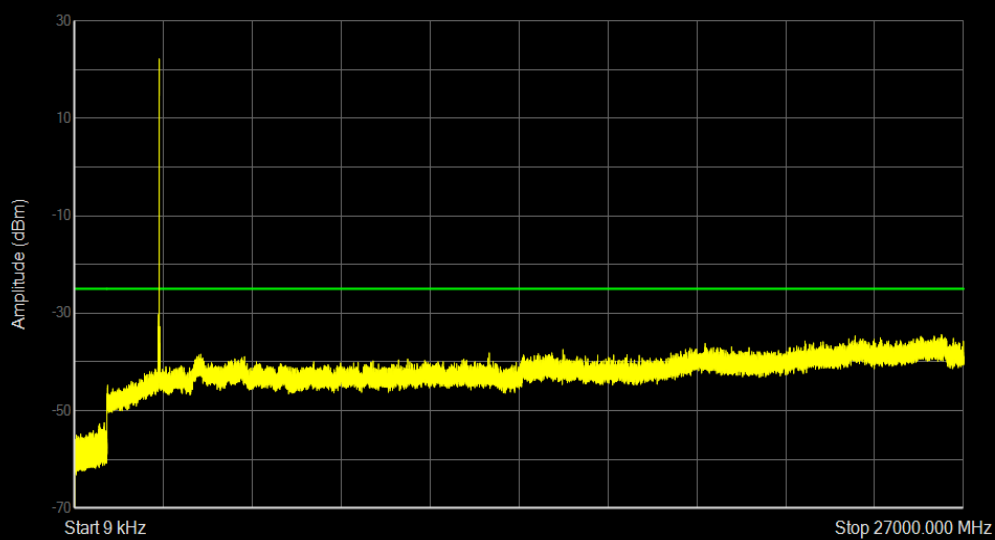
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011612025	-45.49	-25
2	0.15	30	10	0.15	-54.52	-25
3	30	1000	100	523.31775	-52.7	-25
4	1000	27000	1000	26180.35	-34.4	-25

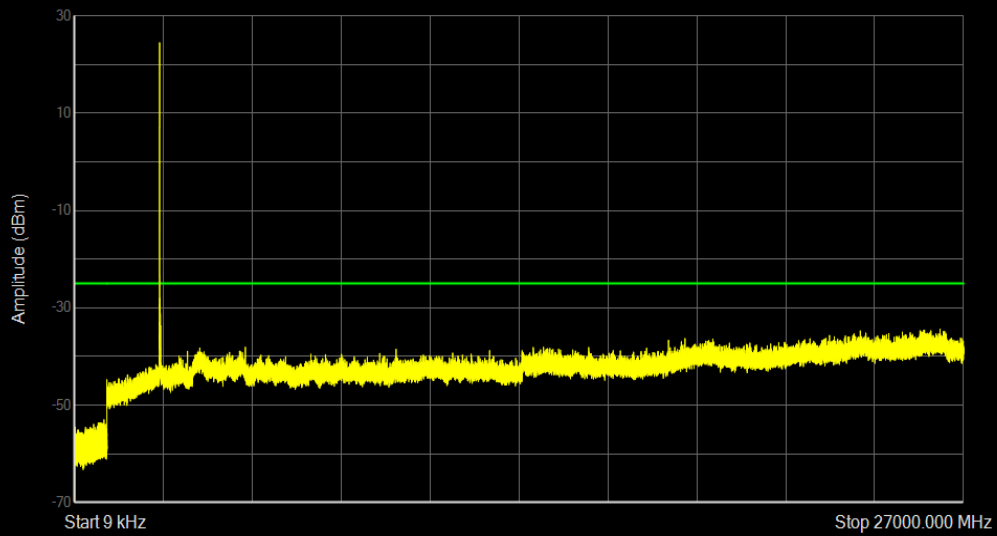
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012711825	-45.53	-25
2	0.15	30	10	0.1574625	-56.94	-25
3	30	1000	100	961.394	-52.65	-25
4	1000	27000	1000	26494.3	-33.02	-25

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

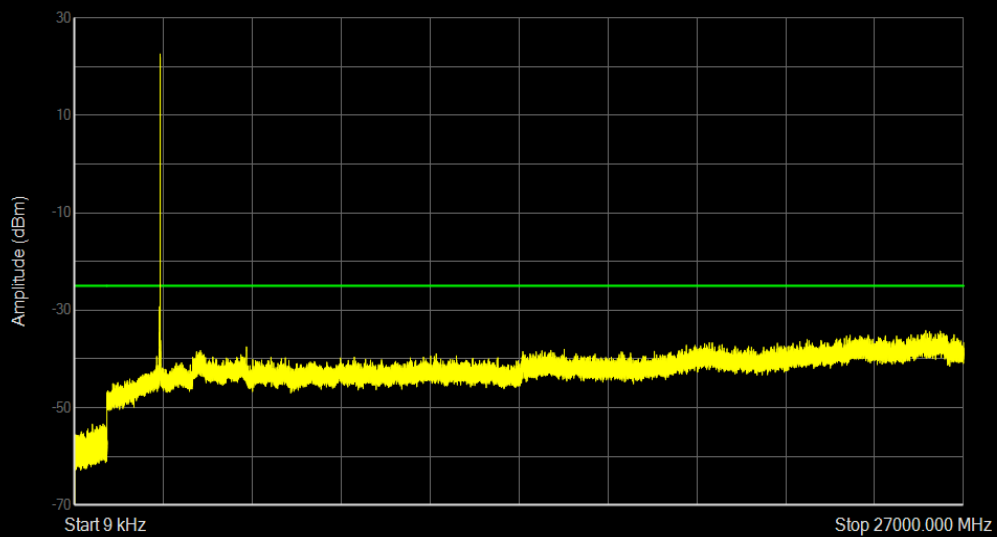
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011837625	-45.32	-25
2	0.15	30	10	0.16791	-57.51	-25
3	30	1000	100	922.109	-52.49	-25
4	1000	27000	1000	26331.15	-34.38	-25

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	0.01016325	-45.44	-25
2	0.15	30	10	0.1514925	-56.33	-25
3	30	1000	100	916.1435	-53.02	-25
4	1000	27000	1000	26285.65	-34.36	-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	0.010885875	-44.59	-25
2	0.15	30	10	0.15	-53.74	-25
3	30	1000	100	886.43725	-53.38	-25
4	1000	27000	1000	25852.75	-34.19	-25

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

