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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	23.48	-3.09	20.39	33.01	Pass
n38	30	10	515000	24@0	DFT_QPSK	22.70	-3.09	19.61	33.01	Pass
n38	30	10	515000	12@6	DFT_QPSK	23.63	-3.09	20.54	33.01	Pass
n38	30	10	515000	1@1	DFT_QPSK	20.66	-3.09	17.57	33.01	Pass
n38	30	10	515000	1@22	DFT_QPSK	23.52	-3.09	20.43	33.01	Pass
n38	30	10	515000	1@1	DFT_QAM16	22.27	-3.09	19.18	33.01	Pass
n38	30	10	515000	1@1	DFT_QAM64	21.06	-3.09	17.97	33.01	Pass
n38	30	10	515000	1@1	DFT_QAM256	19.47	-3.09	16.38	33.01	Pass
n38	30	10	515000	1@1	CP_QPSK	22.65	-3.09	19.56	33.01	Pass
n38	30	10	519000	1@1	DFT_BPSK	23.68	-3.09	20.59	33.01	Pass
n38	30	10	519000	24@0	DFT_QPSK	22.62	-3.09	19.53	33.01	Pass
n38	30	10	519000	12@6	DFT_QPSK	23.55	-3.09	20.46	33.01	Pass
n38	30	10	519000	1@1	DFT_QPSK	23.78	-3.09	20.69	33.01	Pass
n38	30	10	519000	1@22	DFT_QPSK	23.84	-3.09	20.75	33.01	Pass
n38	30	10	519000	1@1	DFT_QAM16	22.49	-3.09	19.40	33.01	Pass
n38	30	10	519000	1@1	DFT_QAM64	19.83	-3.09	16.74	33.01	Pass
n38	30	10	519000	1@1	DFT_QAM256	18.79	-3.09	15.70	33.01	Pass
n38	30	10	519000	1@1	CP_QPSK	22.32	-3.09	19.23	33.01	Pass
n38	30	10	523000	1@1	DFT_BPSK	23.62	-3.09	20.53	33.01	Pass
n38	30	10	523000	24@0	DFT_QPSK	20.95	-3.09	17.86	33.01	Pass
n38	30	10	523000	12@6	DFT_QPSK	23.72	-3.09	20.63	33.01	Pass
n38	30	10	523000	1@1	DFT_QPSK	23.72	-3.09	20.63	33.01	Pass
n38	30	10	523000	1@22	DFT_QPSK	20.76	-3.09	17.67	33.01	Pass
n38	30	10	523000	1@1	DFT_QAM16	22.82	-3.09	19.73	33.01	Pass
n38	30	10	523000	1@1	DFT_QAM64	20.89	-3.09	17.80	33.01	Pass
n38	30	10	523000	1@1	DFT_QAM256	19.25	-3.09	16.16	33.01	Pass
n38	30	10	523000	1@1	CP_QPSK	21.73	-3.09	18.64	33.01	Pass
n38	30	15	515500	1@1	DFT_BPSK	23.50	-3.09	20.41	33.01	Pass
n38	30	15	515500	36@0	DFT_QPSK	22.47	-3.09	19.38	33.01	Pass
n38	30	15	515500	18@9	DFT_QPSK	23.42	-3.09	20.33	33.01	Pass
n38	30	15	515500	1@1	DFT_QPSK	23.46	-3.09	20.37	33.01	Pass
n38	30	15	515500	1@36	DFT_QPSK	23.52	-3.09	20.43	33.01	Pass
n38	30	15	515500	1@1	DFT_QAM16	22.02	-3.09	18.93	33.01	Pass
n38	30	15	515500	1@1	DFT_QAM64	21.09	-3.09	18.00	33.01	Pass
n38	30	15	515500	1@1	DFT_QAM256	18.84	-3.09	15.75	33.01	Pass
n38	30	15	515500	1@1	CP_QPSK	21.57	-3.09	18.48	33.01	Pass
n38	30	15	519000	1@1	DFT_BPSK	23.77	-3.09	20.68	33.01	Pass

n38	30	15	519000	36@0	DFT_QPSK	22.56	-3.09	19.47	33.01	Pass
n38	30	15	519000	18@9	DFT_QPSK	20.62	-3.09	17.53	33.01	Pass
n38	30	15	519000	1@1	DFT_QPSK	23.75	-3.09	20.66	33.01	Pass
n38	30	15	519000	1@36	DFT_QPSK	23.72	-3.09	20.63	33.01	Pass
n38	30	15	519000	1@1	DFT_QAM16	20.06	-3.09	16.97	33.01	Pass
n38	30	15	519000	1@1	DFT_QAM64	21.44	-3.09	18.35	33.01	Pass
n38	30	15	519000	1@1	DFT_QAM256	19.05	-3.09	15.96	33.01	Pass
n38	30	15	519000	1@1	CP_QPSK	22.75	-3.09	19.66	33.01	Pass
n38	30	15	522500	1@1	DFT_BPSK	23.52	-3.09	20.43	33.01	Pass
n38	30	15	522500	36@0	DFT_QPSK	22.58	-3.09	19.49	33.01	Pass
n38	30	15	522500	18@9	DFT_QPSK	23.55	-3.09	20.46	33.01	Pass
n38	30	15	522500	1@1	DFT_QPSK	20.82	-3.09	17.73	33.01	Pass
n38	30	15	522500	1@36	DFT_QPSK	23.65	-3.09	20.56	33.01	Pass
n38	30	15	522500	1@1	DFT_QAM16	22.56	-3.09	19.47	33.01	Pass
n38	30	15	522500	1@1	DFT_QAM64	20.95	-3.09	17.86	33.01	Pass
n38	30	15	522500	1@1	DFT_QAM256	18.99	-3.09	15.90	33.01	Pass
n38	30	15	522500	1@1	CP_QPSK	22.46	-3.09	19.37	33.01	Pass
n38	30	20	516000	1@1	DFT_BPSK	20.57	-3.09	17.48	33.01	Pass
n38	30	20	516000	50@0	DFT_QPSK	19.64	-3.09	16.55	33.01	Pass
n38	30	20	516000	25@12	DFT_QPSK	23.51	-3.09	20.42	33.01	Pass
n38	30	20	516000	1@1	DFT_QPSK	23.34	-3.09	20.25	33.01	Pass
n38	30	20	516000	1@49	DFT_QPSK	20.52	-3.09	17.43	33.01	Pass
n38	30	20	516000	1@1	DFT_QAM16	22.21	-3.09	19.12	33.01	Pass
n38	30	20	516000	1@1	DFT_QAM64	21.07	-3.09	17.98	33.01	Pass
n38	30	20	516000	1@1	DFT_QAM256	15.86	-3.09	12.77	33.01	Pass
n38	30	20	516000	1@1	CP_QPSK	21.62	-3.09	18.53	33.01	Pass
n38	30	20	519000	1@1	DFT_BPSK	23.53	-3.09	20.44	33.01	Pass
n38	30	20	519000	50@0	DFT_QPSK	22.52	-3.09	19.43	33.01	Pass
n38	30	20	519000	25@12	DFT_QPSK	23.45	-3.09	20.36	33.01	Pass
n38	30	20	519000	1@1	DFT_QPSK	23.62	-3.09	20.53	33.01	Pass
n38	30	20	519000	1@49	DFT_QPSK	23.60	-3.09	20.51	33.01	Pass
n38	30	20	519000	1@1	DFT_QAM16	22.30	-3.09	19.21	33.01	Pass
n38	30	20	519000	1@1	DFT_QAM64	20.29	-3.09	17.20	33.01	Pass
n38	30	20	519000	1@1	DFT_QAM256	18.91	-3.09	15.82	33.01	Pass
n38	30	20	519000	1@1	CP_QPSK	21.96	-3.09	18.87	33.01	Pass
n38	30	20	522000	1@1	DFT_BPSK	23.40	-3.09	20.31	33.01	Pass
n38	30	20	522000	50@0	DFT_QPSK	22.55	-3.09	19.46	33.01	Pass
n38	30	20	522000	25@12	DFT_QPSK	23.59	-3.09	20.50	33.01	Pass
n38	30	20	522000	1@1	DFT_QPSK	23.40	-3.09	20.31	33.01	Pass
n38	30	20	522000	1@49	DFT_QPSK	22.64	-3.09	19.55	33.01	Pass
n38	30	20	522000	1@1	DFT_QAM16	22.09	-3.09	19.00	33.01	Pass
n38	30	20	522000	1@1	DFT_QAM64	20.81	-3.09	17.72	33.01	Pass
n38	30	20	522000	1@1	DFT_QAM256	19.09	-3.09	16.00	33.01	Pass
n38	30	20	522000	1@1	CP_QPSK	21.85	-3.09	18.76	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	-10.69	-0.00415	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_BPSK	-12.36	-0.00480	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_BPSK	-18.27	-0.00710	-2.5	2.5	PASS
n38	30	10	515000	12@6	DFT_QPSK	-18.21	-0.00707	-2.5	2.5	PASS
n38	30	10	515000	1@1	DFT_QPSK	-6.95	-0.00270	-2.5	2.5	PASS
n38	30	10	515000	1@22	DFT_QPSK	-13.49	-0.00524	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_BPSK	-3.90	-0.00150	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_BPSK	-10.34	-0.00398	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_BPSK	-7.56	-0.00291	-2.5	2.5	PASS
n38	30	10	519000	12@6	DFT_QPSK	-11.29	-0.00435	-2.5	2.5	PASS
n38	30	10	519000	1@1	DFT_QPSK	-7.30	-0.00281	-2.5	2.5	PASS
n38	30	10	519000	1@22	DFT_QPSK	-5.12	-0.00197	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_BPSK	-9.01	-0.00345	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_BPSK	-6.87	-0.00263	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_BPSK	-15.29	-0.00585	-2.5	2.5	PASS
n38	30	10	523000	12@6	DFT_QPSK	-8.70	-0.00333	-2.5	2.5	PASS
n38	30	10	523000	1@1	DFT_QPSK	-4.61	-0.00176	-2.5	2.5	PASS
n38	30	10	523000	1@22	DFT_QPSK	-4.32	-0.00165	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_BPSK	-13.69	-0.00531	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_BPSK	-9.97	-0.00387	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_BPSK	-10.75	-0.00417	-2.5	2.5	PASS
n38	30	15	515500	18@9	DFT_QPSK	-13.99	-0.00543	-2.5	2.5	PASS
n38	30	15	515500	1@1	DFT_QPSK	-12.93	-0.00502	-2.5	2.5	PASS
n38	30	15	515500	1@36	DFT_QPSK	-8.77	-0.00340	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_BPSK	-2.71	-0.00104	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_BPSK	-3.38	-0.00130	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_BPSK	-8.35	-0.00322	-2.5	2.5	PASS
n38	30	15	519000	18@9	DFT_QPSK	-6.85	-0.00264	-2.5	2.5	PASS
n38	30	15	519000	1@1	DFT_QPSK	-8.67	-0.00334	-2.5	2.5	PASS
n38	30	15	519000	1@36	DFT_QPSK	-12.61	-0.00486	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_BPSK	-6.72	-0.00257	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_BPSK	-13.41	-0.00513	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_BPSK	-6.62	-0.00253	-2.5	2.5	PASS
n38	30	15	522500	18@9	DFT_QPSK	-8.70	-0.00333	-2.5	2.5	PASS
n38	30	15	522500	1@1	DFT_QPSK	-8.91	-0.00341	-2.5	2.5	PASS
n38	30	15	522500	1@36	DFT_QPSK	-17.19	-0.00658	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_BPSK	-9.62	-0.00373	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_BPSK	-9.34	-0.00362	-2.5	2.5	PASS

n38	30	20	516000	1@49	DFT_BPSK	-6.27	-0.00243	-2.5	2.5	PASS
n38	30	20	516000	25@12	DFT_QPSK	-9.39	-0.00364	-2.5	2.5	PASS
n38	30	20	516000	1@1	DFT_QPSK	-6.91	-0.00268	-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	0.56	0.00022	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_BPSK	-4.09	-0.00158	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_BPSK	-11.11	-0.00428	-2.5	2.5	PASS
n38	30	20	519000	25@12	DFT_QPSK	-5.12	-0.00197	-2.5	2.5	PASS
n38	30	20	519000	1@1	DFT_QPSK	-5.36	-0.00207	-2.5	2.5	PASS
n38	30	20	519000	1@49	DFT_QPSK	-4.98	-0.00192	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_BPSK	-6.65	-0.00255	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_BPSK	-6.61	-0.00253	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_BPSK	-5.04	-0.00193	-2.5	2.5	PASS
n38	30	20	522000	25@12	DFT_QPSK	-6.17	-0.00236	-2.5	2.5	PASS
n38	30	20	522000	1@1	DFT_QPSK	-5.24	-0.00201	-2.5	2.5	PASS
n38	30	20	522000	1@49	DFT_QPSK	-4.01	-0.00154	-2.5	2.5	PASS

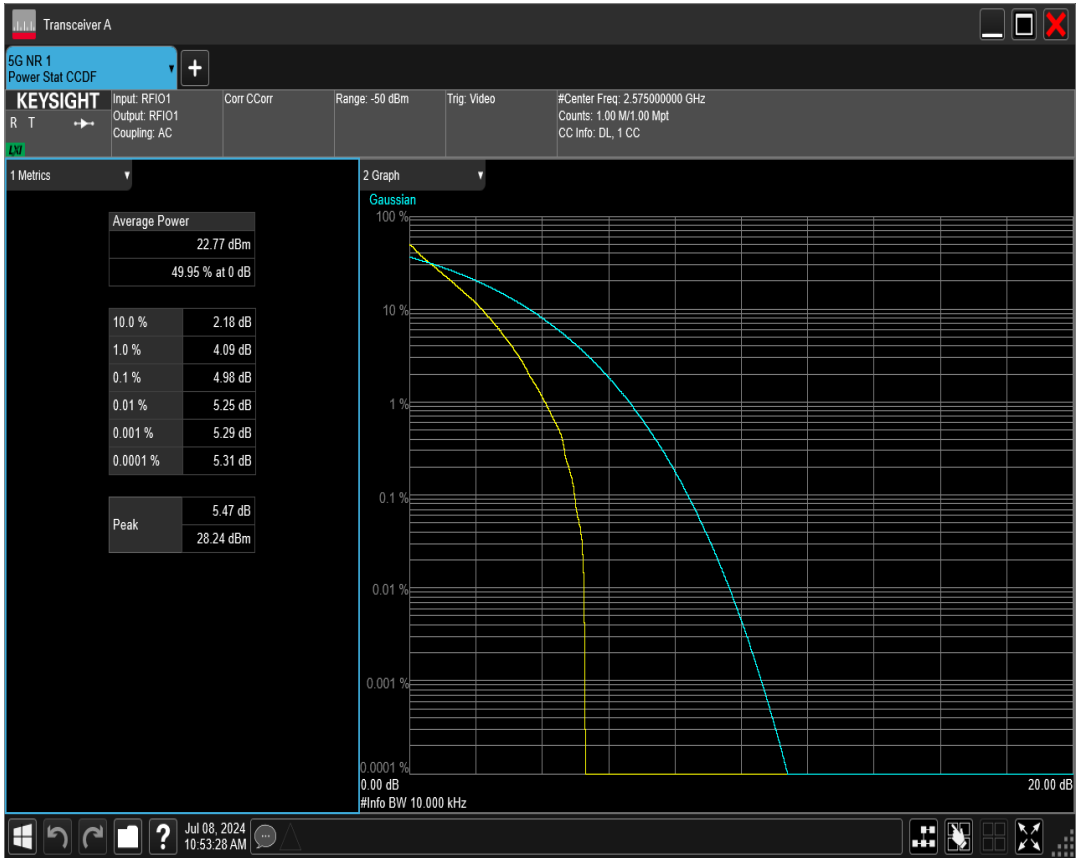
Note: (Voltage: 3.78V, Temperature: 25°C) only reflect the worst mode.

3 Peak-to-Average Ratio for NR FR1

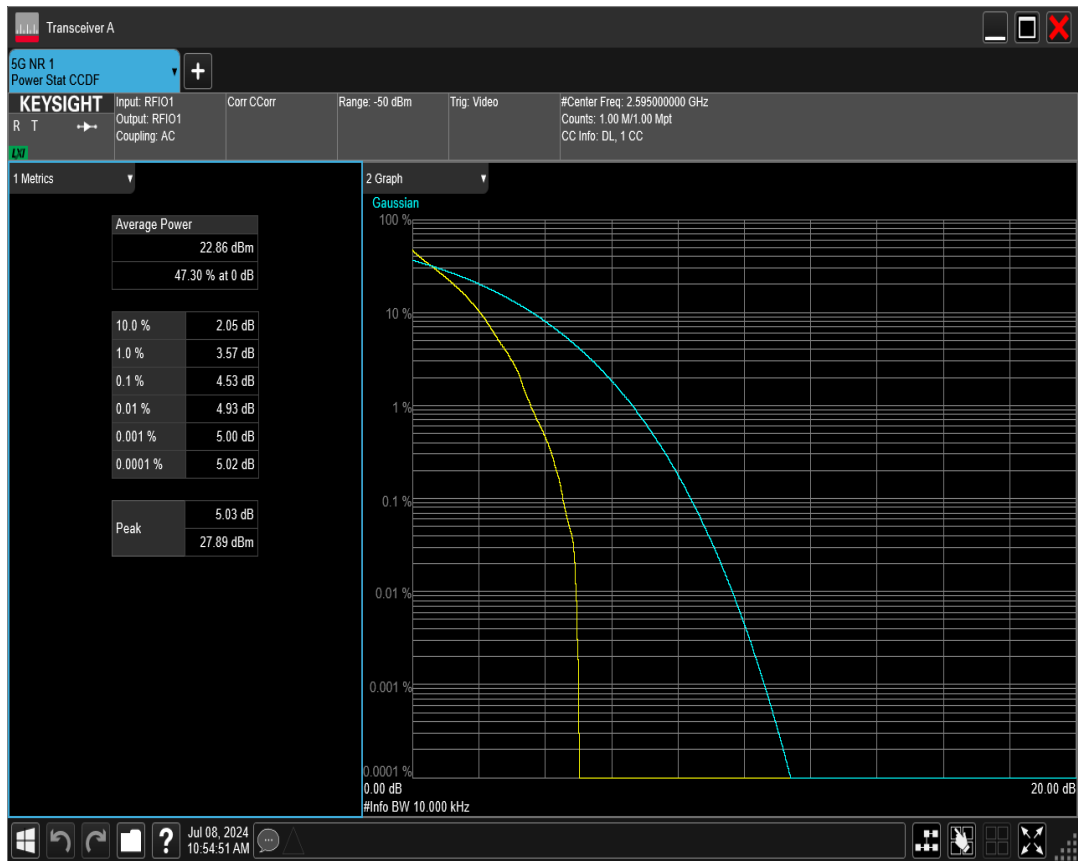
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	4.98	13	PASS
n38	30	10	515000	24@0	DFT_QPSK	5.88	13	PASS
n38	30	10	515000	24@0	DFT_QAM16	6.58	13	PASS
n38	30	10	515000	24@0	DFT_QAM64	6.59	13	PASS
n38	30	10	515000	24@0	DFT_QAM256	7.21	13	PASS
n38	30	10	519000	24@0	DFT_BPSK	4.53	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.88	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	7.01	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	7.05	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	7.21	13	PASS
n38	30	10	523000	24@0	DFT_BPSK	4.75	13	PASS
n38	30	10	523000	24@0	DFT_QPSK	5.94	13	PASS
n38	30	10	523000	24@0	DFT_QAM16	6.87	13	PASS
n38	30	10	523000	24@0	DFT_QAM64	6.98	13	PASS
n38	30	10	523000	24@0	DFT_QAM256	7.18	13	PASS
n38	30	15	515500	36@0	DFT_BPSK	4.54	13	PASS
n38	30	15	515500	36@0	DFT_QPSK	5.90	13	PASS
n38	30	15	515500	36@0	DFT_QAM16	6.77	13	PASS
n38	30	15	515500	36@0	DFT_QAM64	7.04	13	PASS
n38	30	15	515500	36@0	DFT_QAM256	7.05	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.72	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	6.10	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.75	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	6.78	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	7.28	13	PASS
n38	30	15	522500	36@0	DFT_BPSK	4.68	13	PASS
n38	30	15	522500	36@0	DFT_QPSK	6.14	13	PASS
n38	30	15	522500	36@0	DFT_QAM16	6.69	13	PASS
n38	30	15	522500	36@0	DFT_QAM64	7.09	13	PASS
n38	30	15	522500	36@0	DFT_QAM256	7.23	13	PASS
n38	30	20	516000	50@0	DFT_BPSK	5.37	13	PASS
n38	30	20	516000	50@0	DFT_QPSK	5.92	13	PASS
n38	30	20	516000	50@0	DFT_QAM16	6.67	13	PASS
n38	30	20	516000	50@0	DFT_QAM64	7.05	13	PASS
n38	30	20	516000	50@0	DFT_QAM256	7.24	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	5.09	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.88	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	6.55	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	7.08	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	7.23	13	PASS

n38	30	20	522000	50@0	DFT_BPSK	4.56	13	PASS
n38	30	20	522000	50@0	DFT_QPSK	5.84	13	PASS
n38	30	20	522000	50@0	DFT_QAM16	6.96	13	PASS
n38	30	20	522000	50@0	DFT_QAM64	7.27	13	PASS
n38	30	20	522000	50@0	DFT_QAM256	7.25	13	PASS

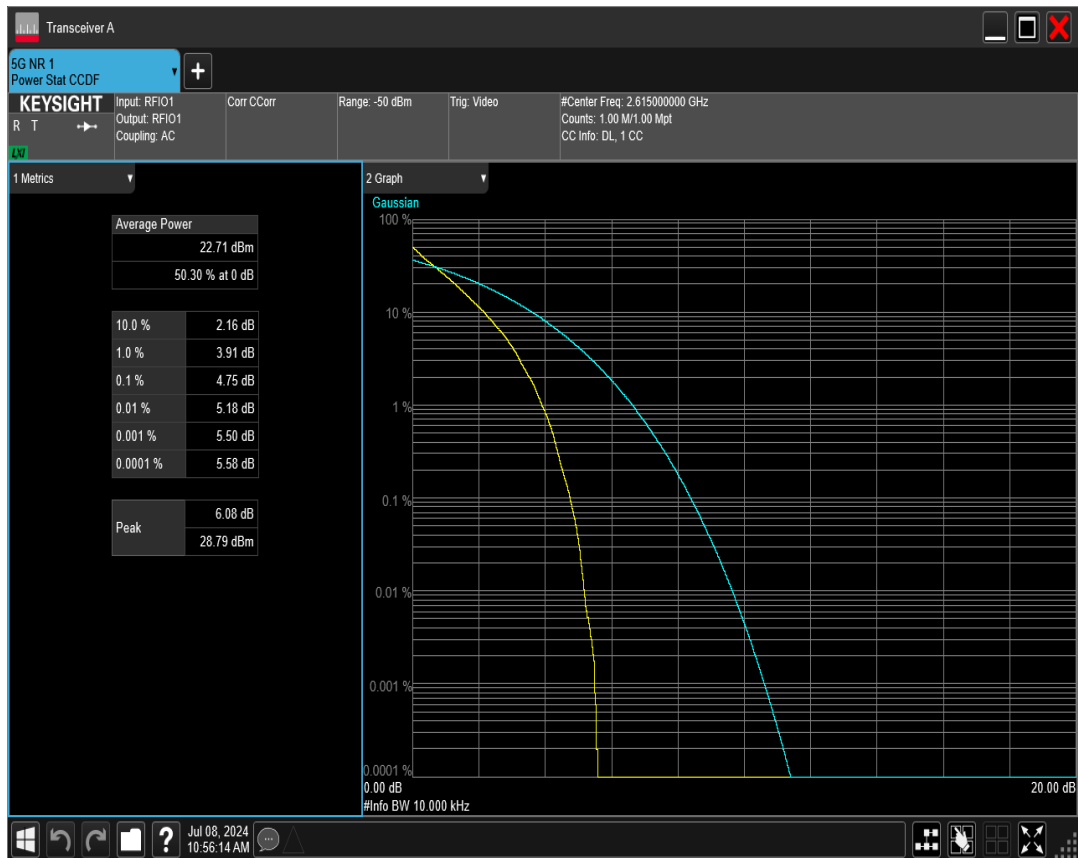
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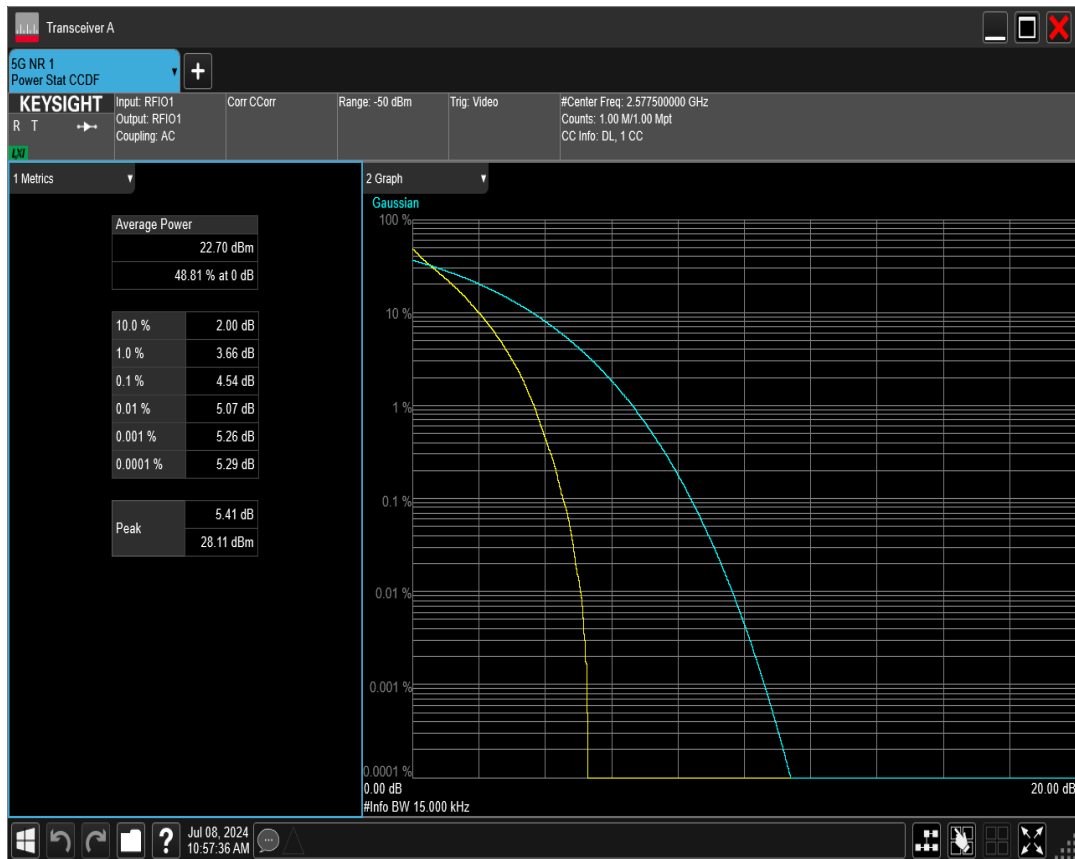
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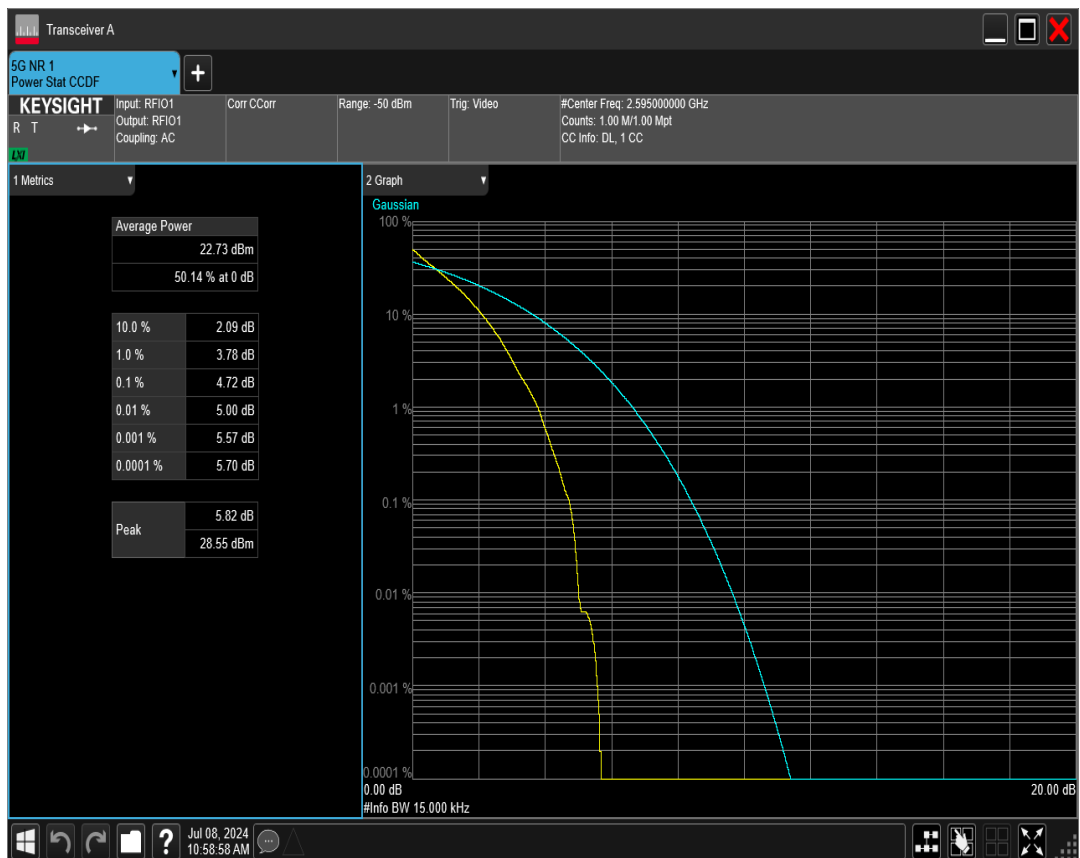
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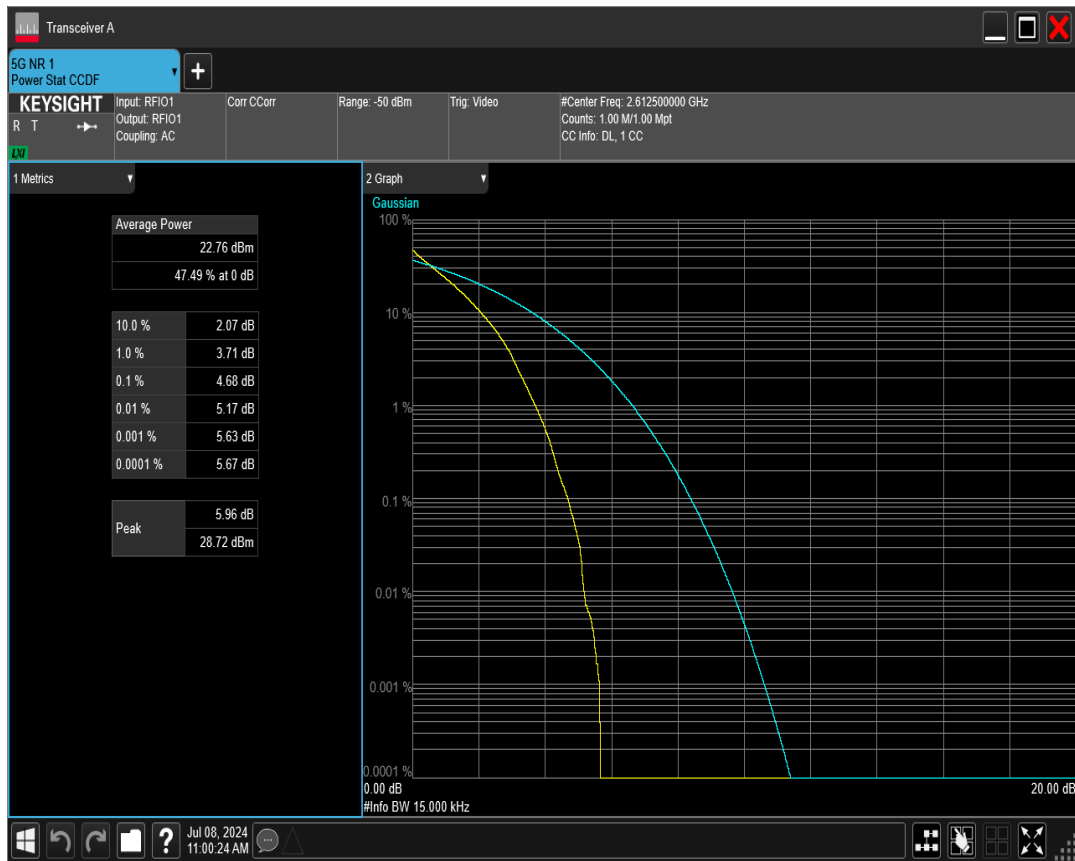
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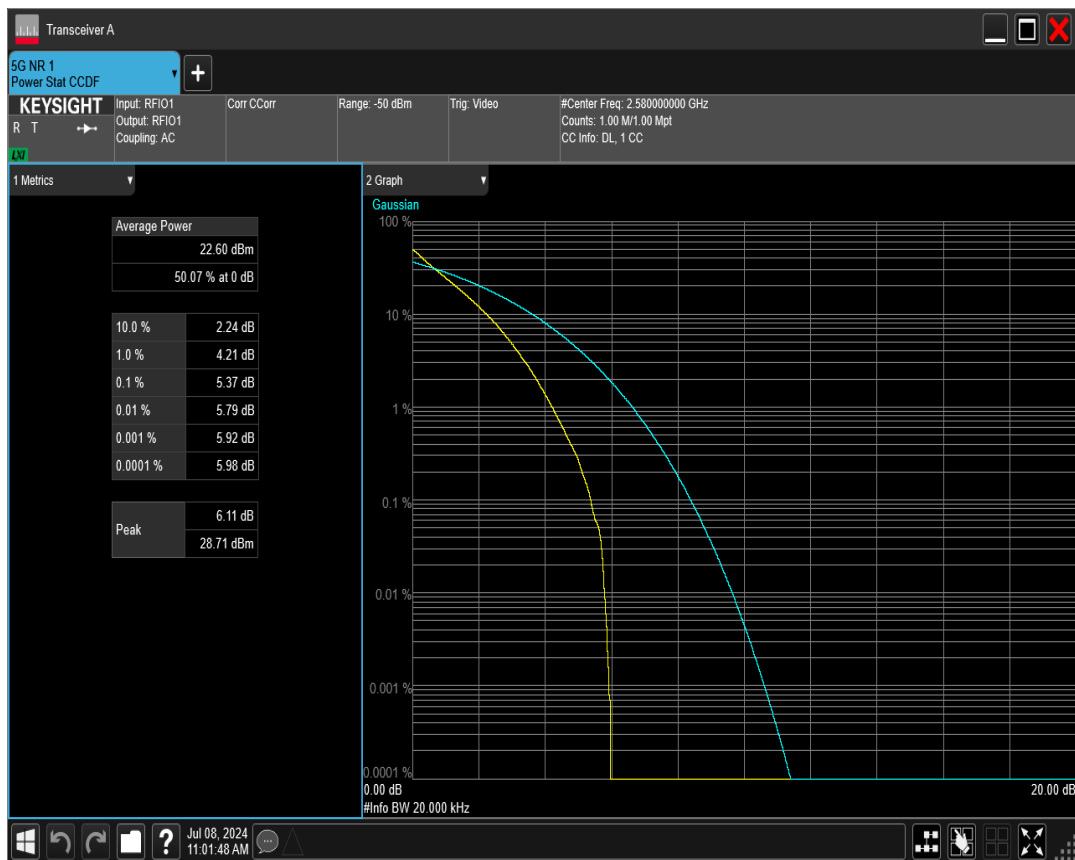
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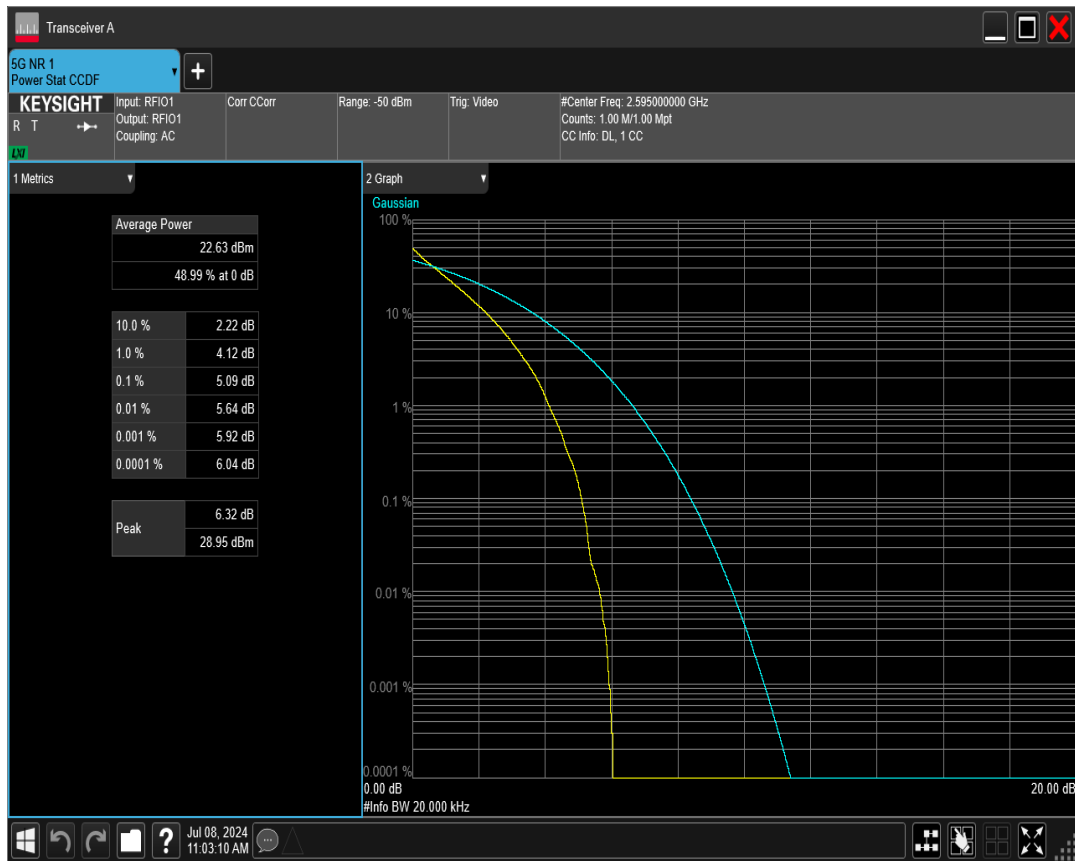
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=522500 RB=36@0



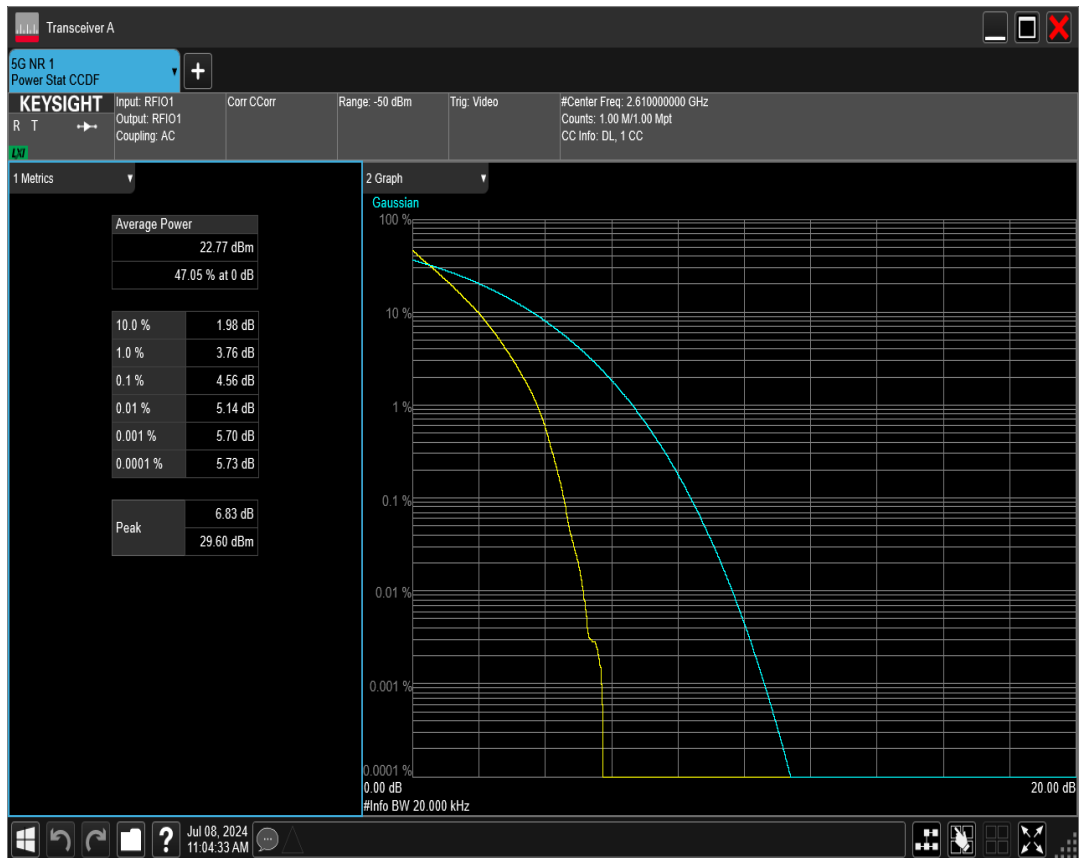
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



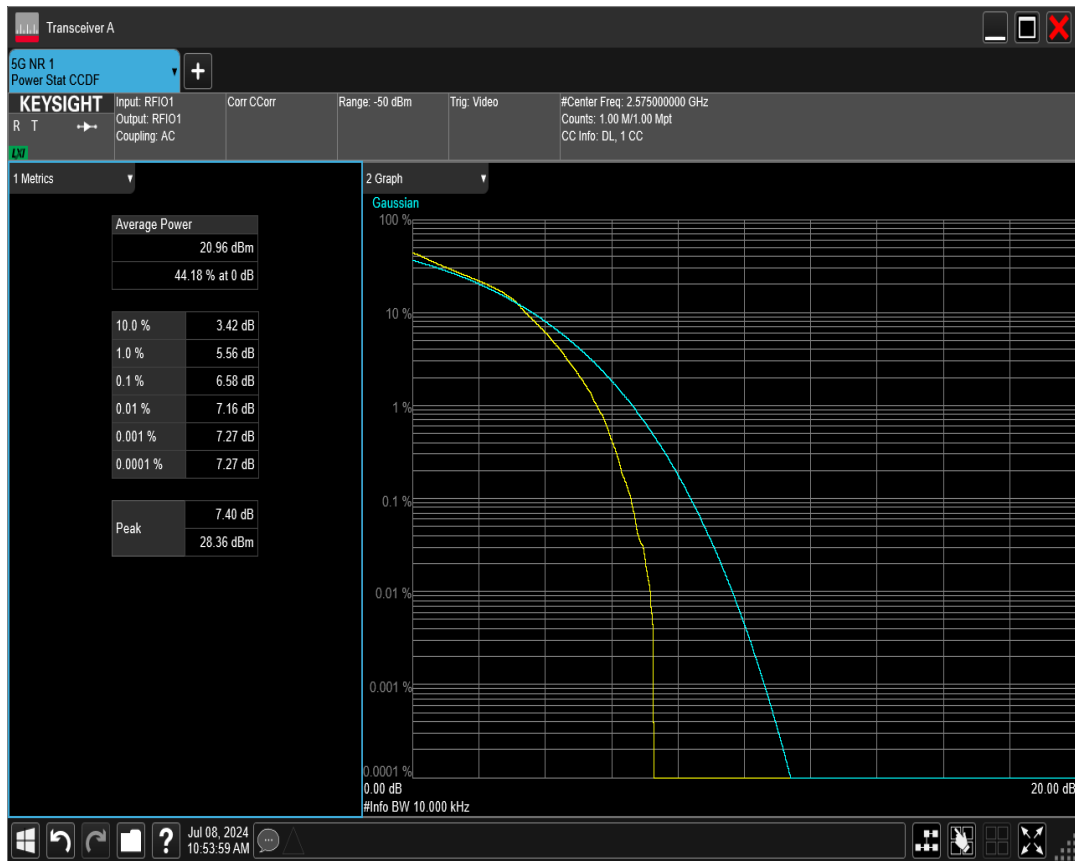
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



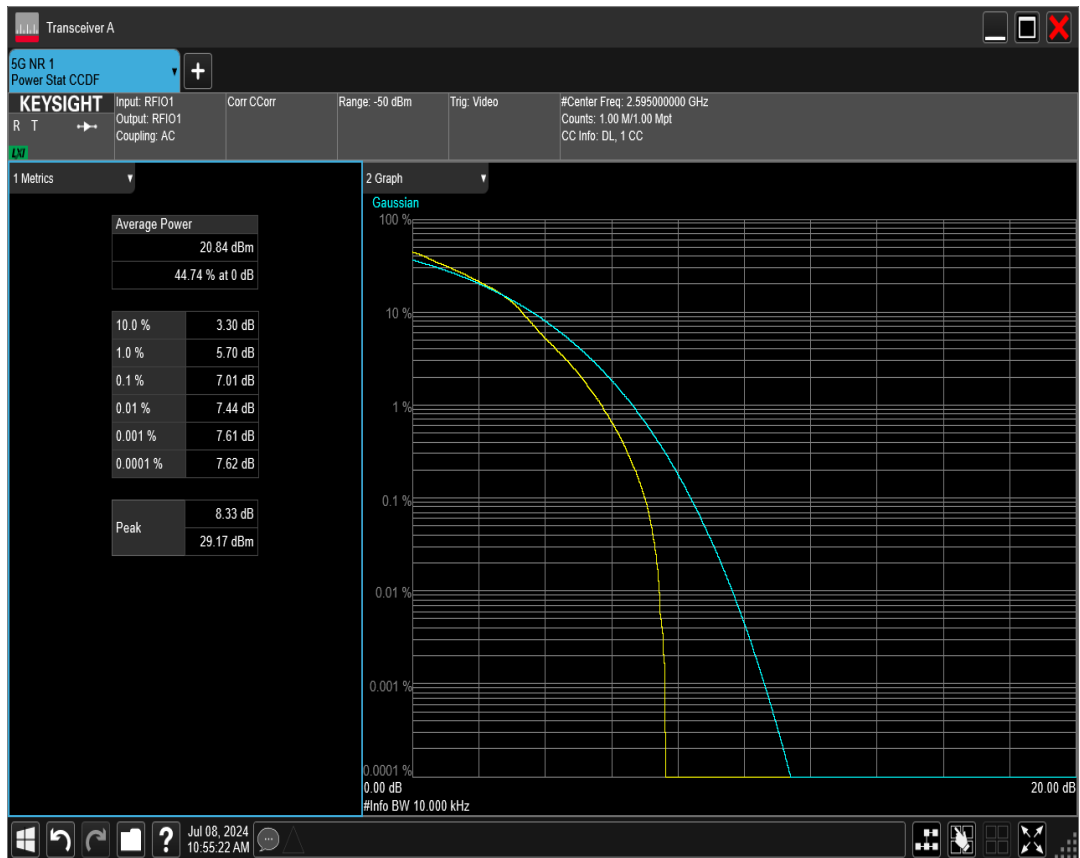
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=522000 RB=50@0



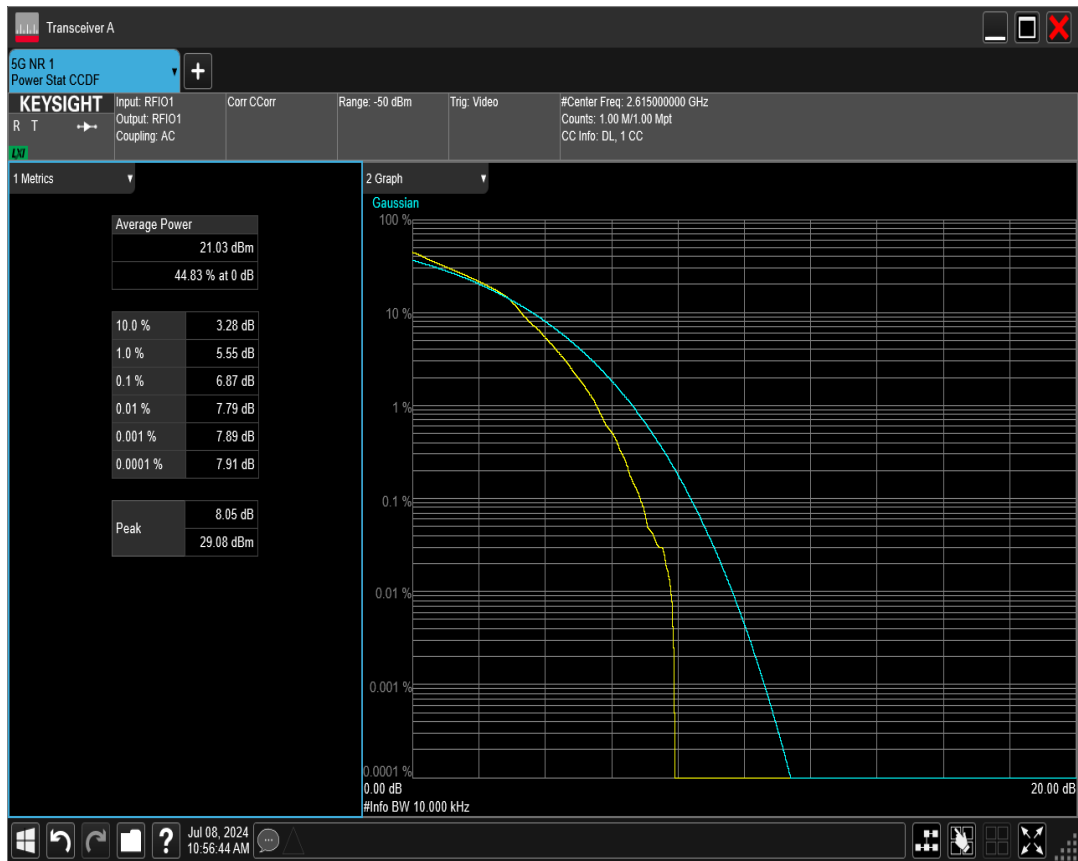
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



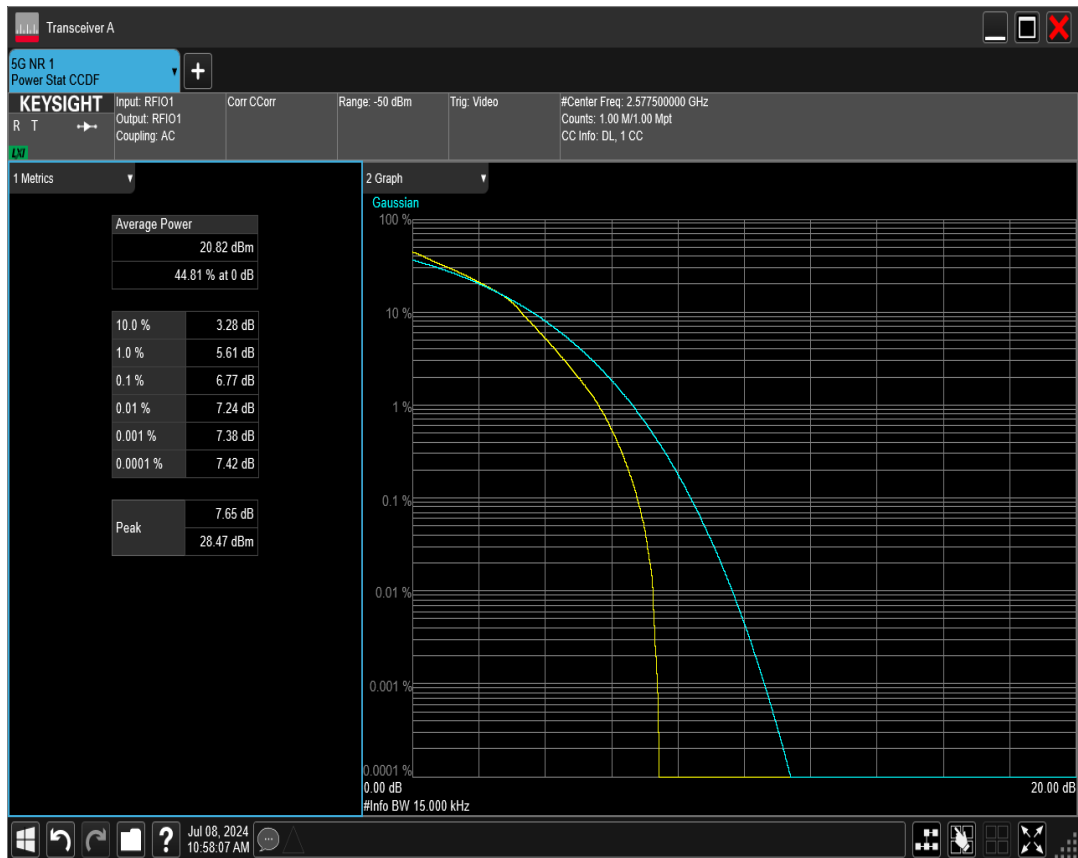
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



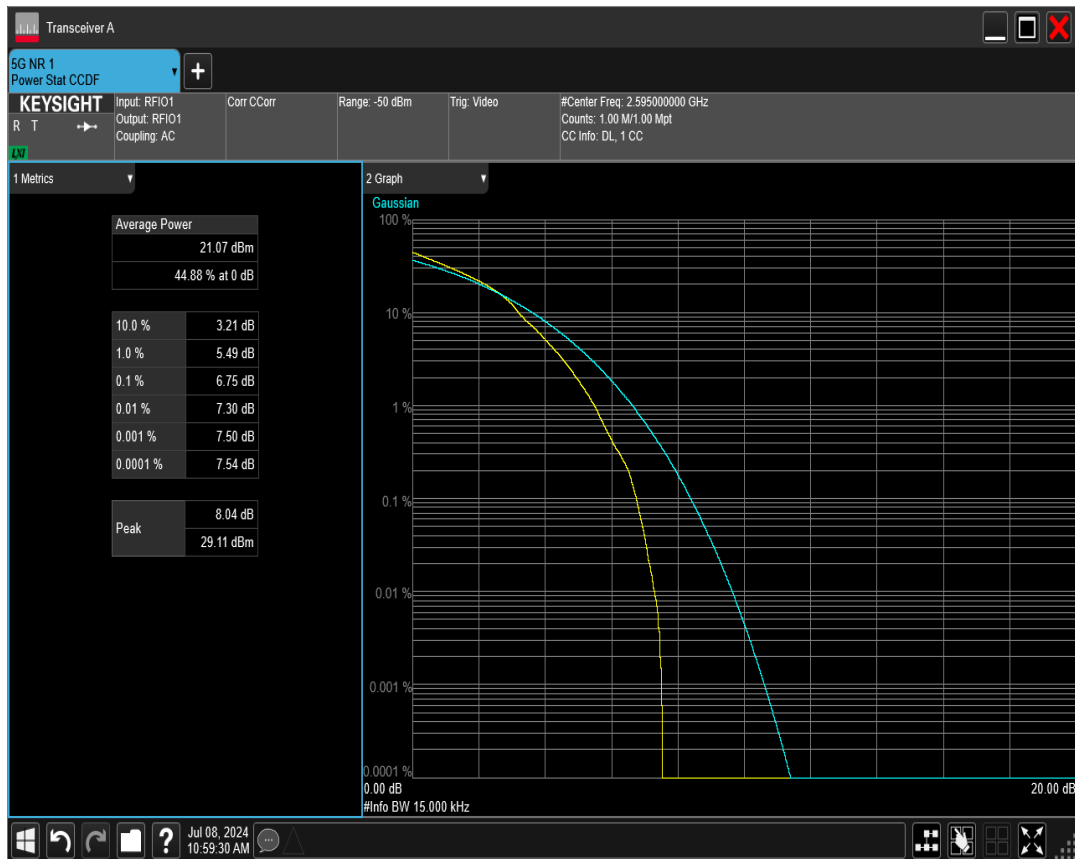
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



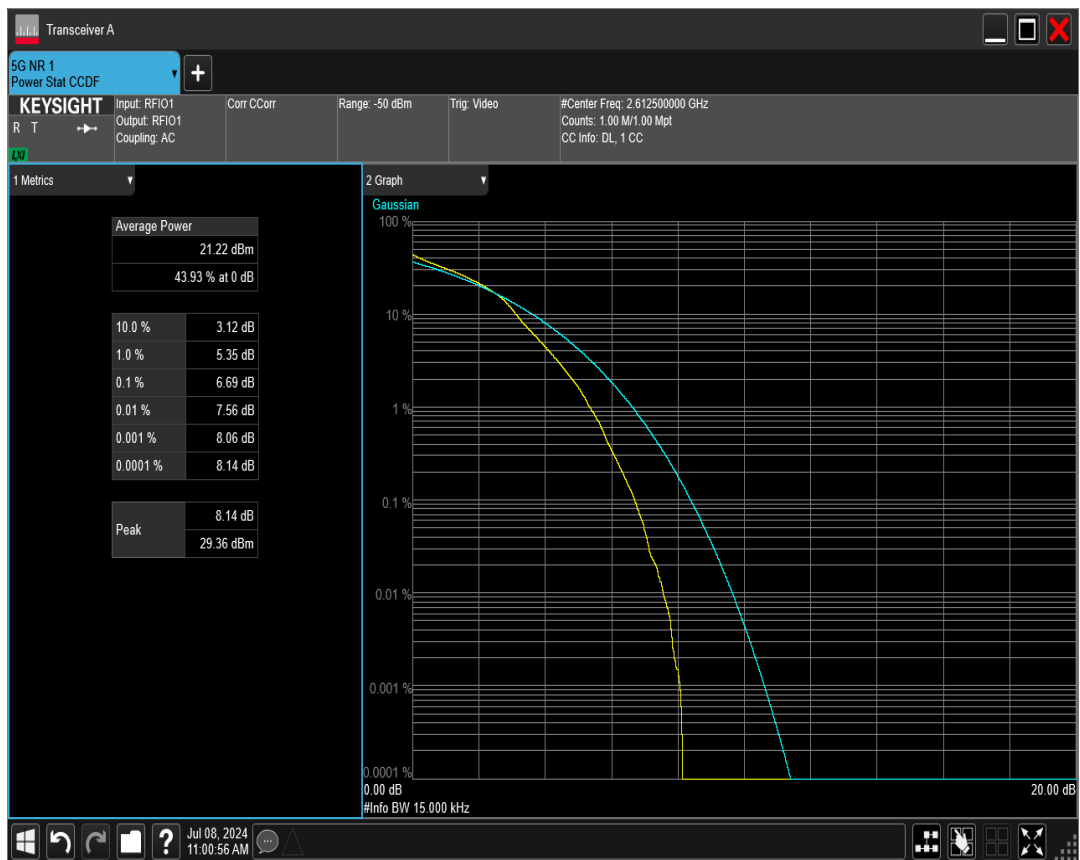
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=515500 RB=36@0



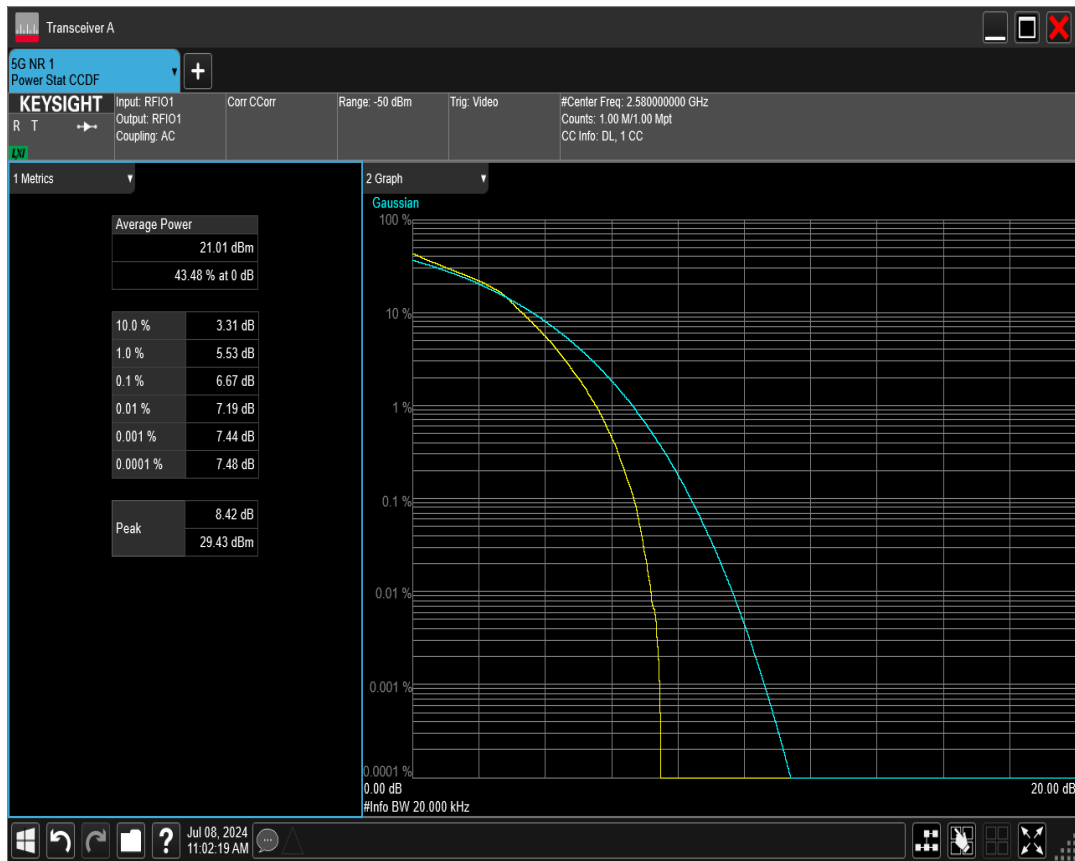
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



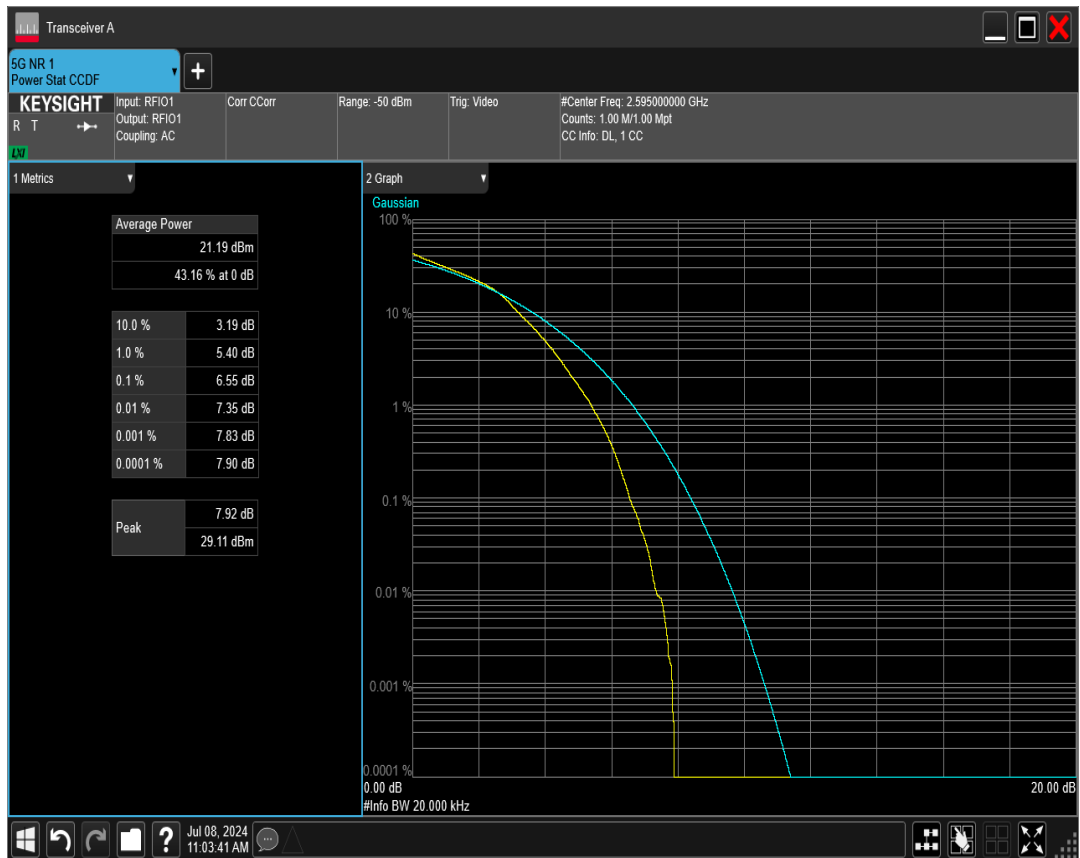
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



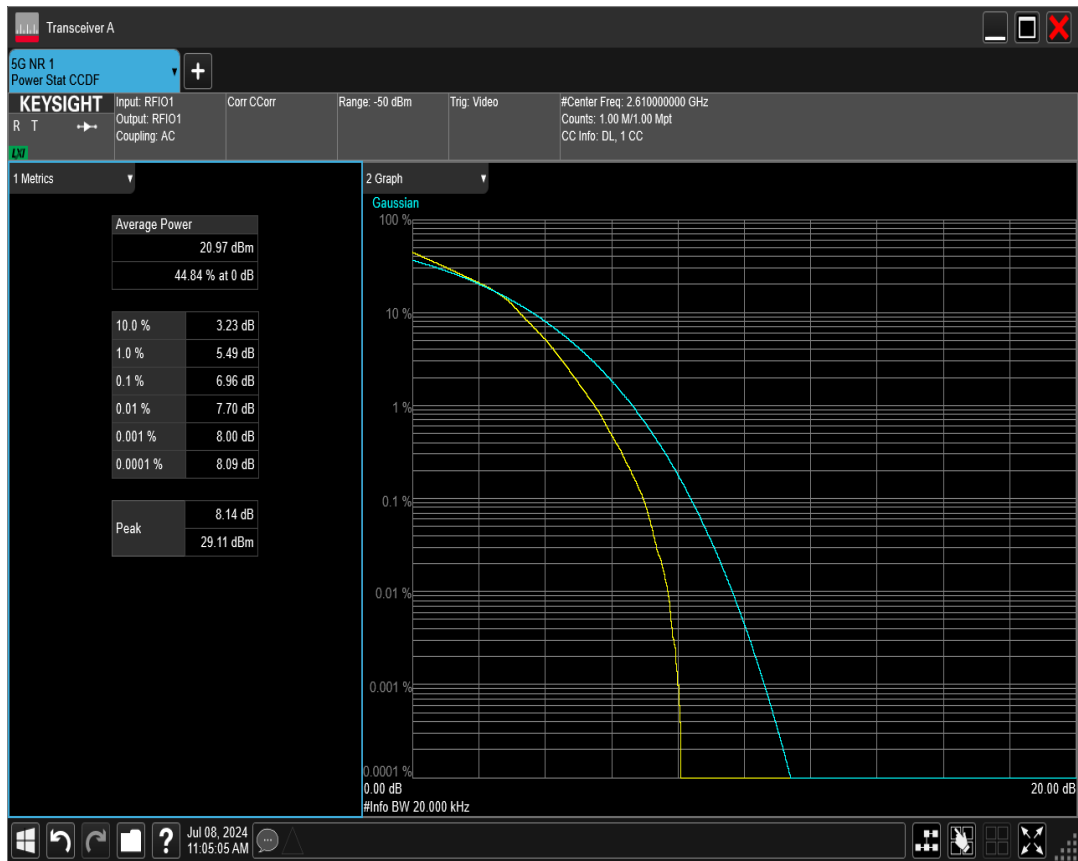
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



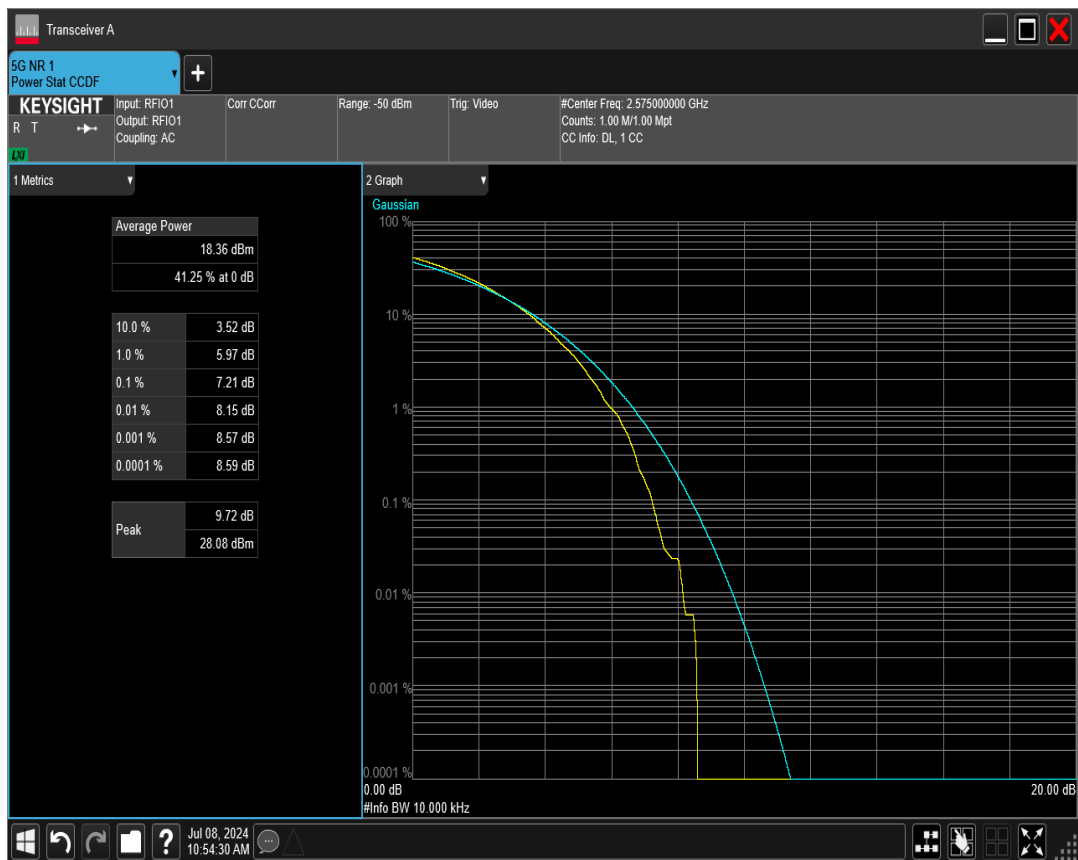
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



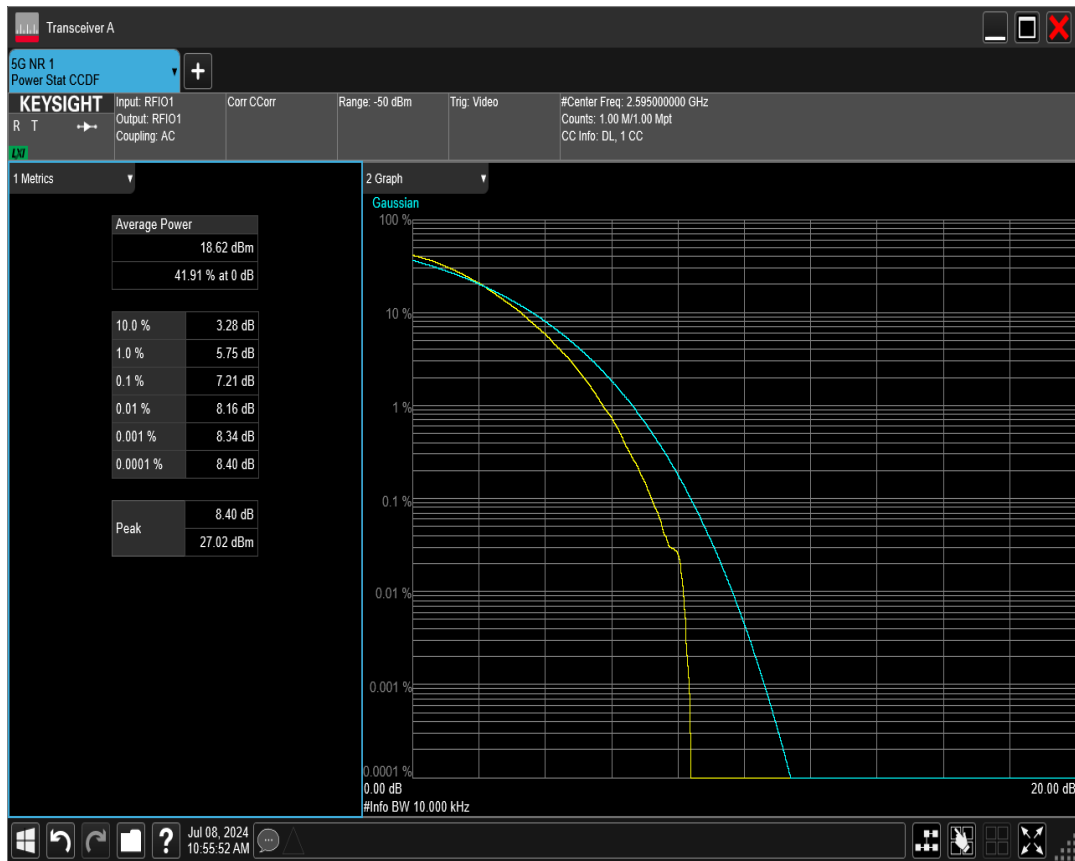
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=522000 RB=50@0



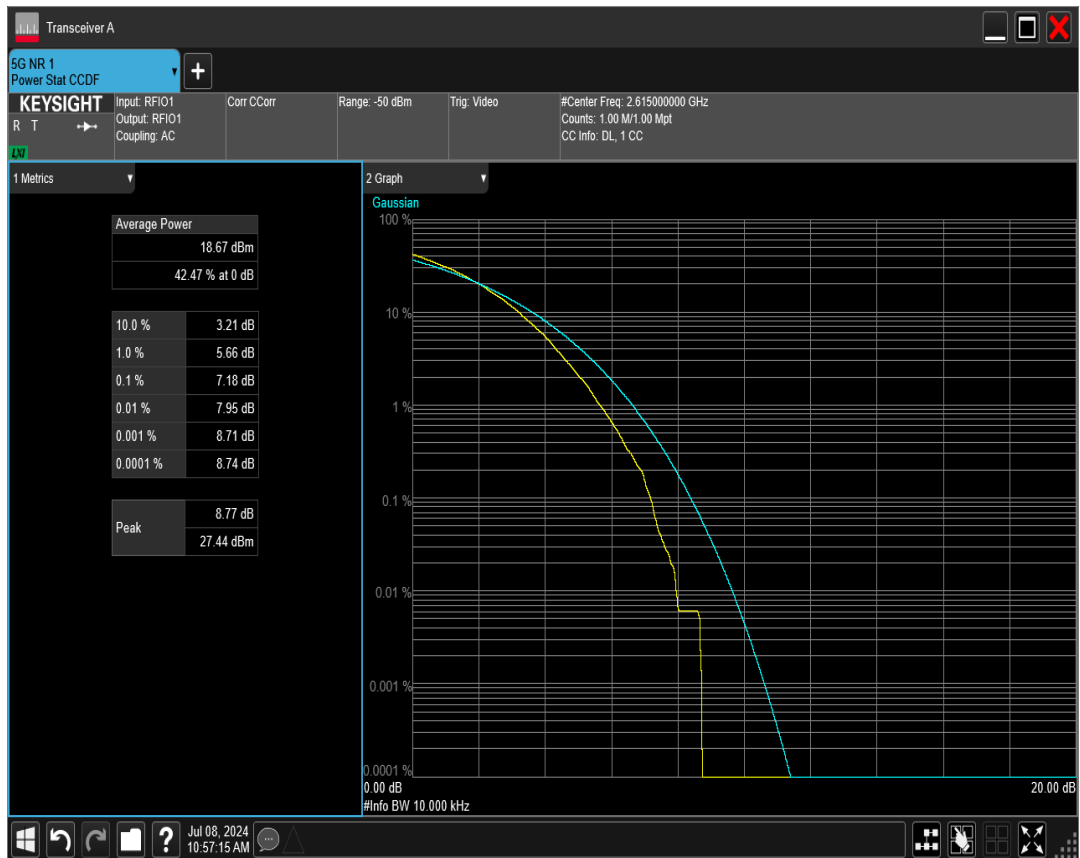
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



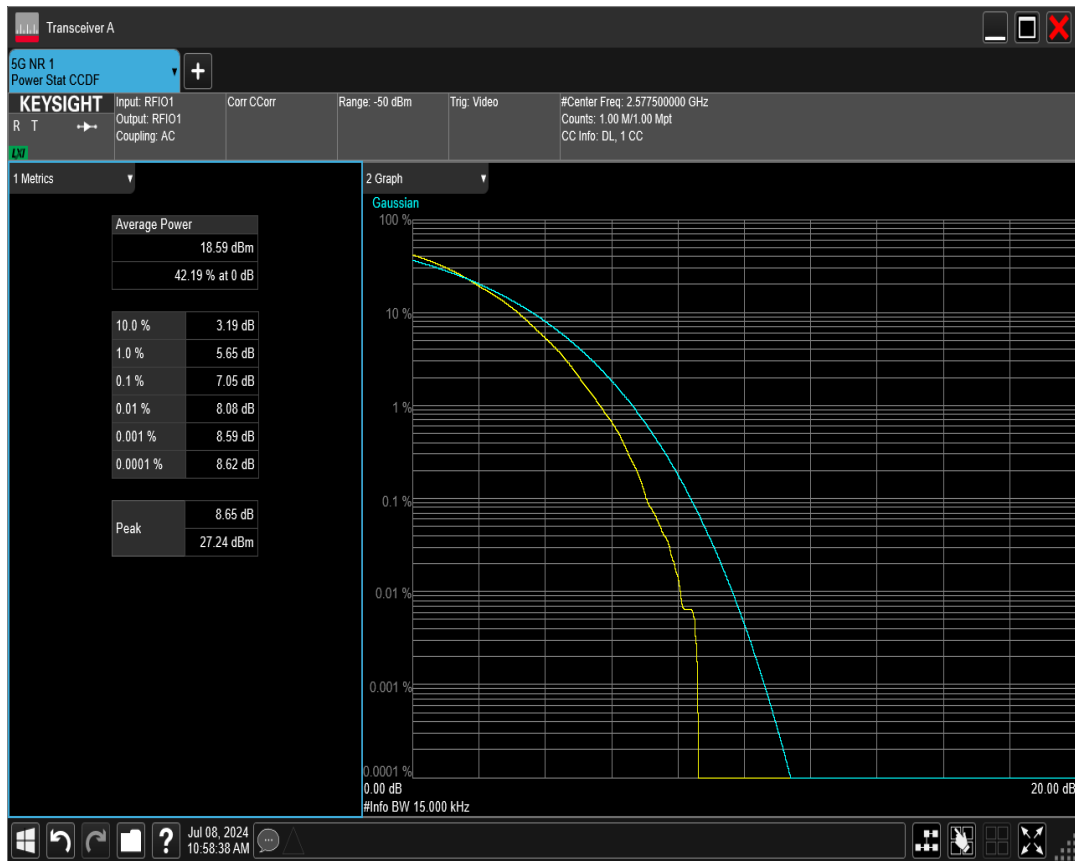
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



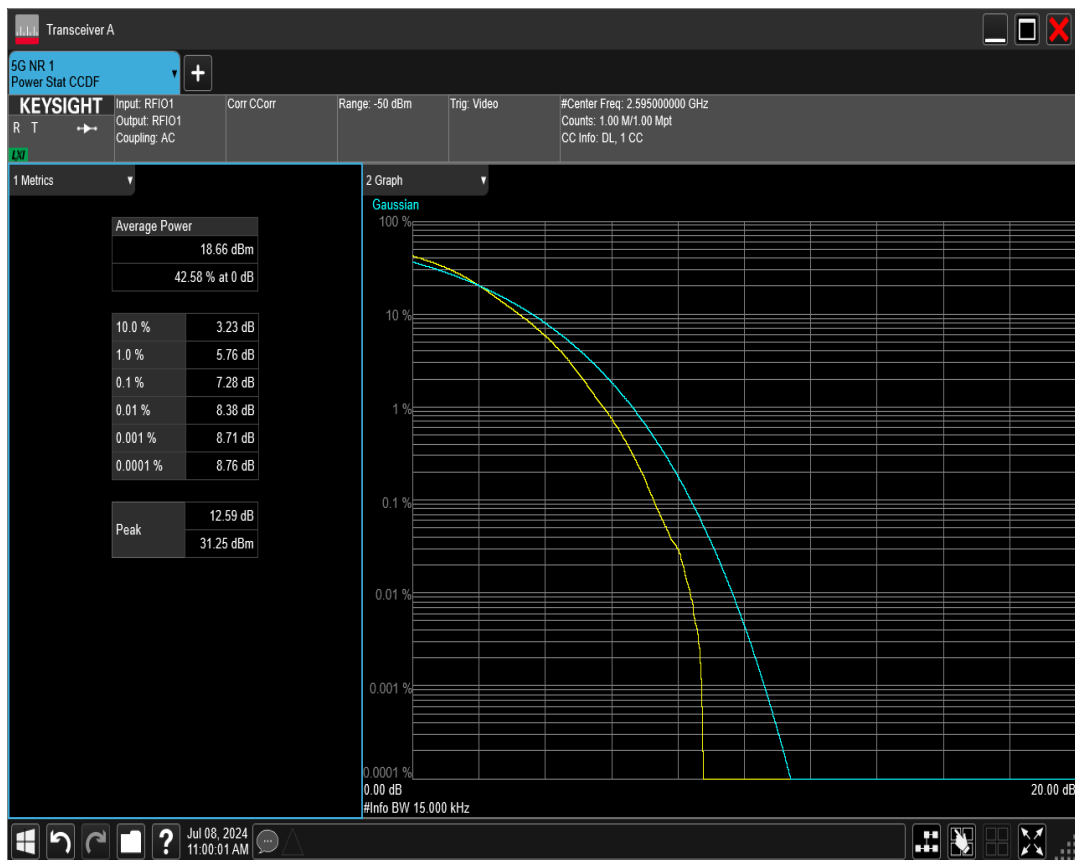
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



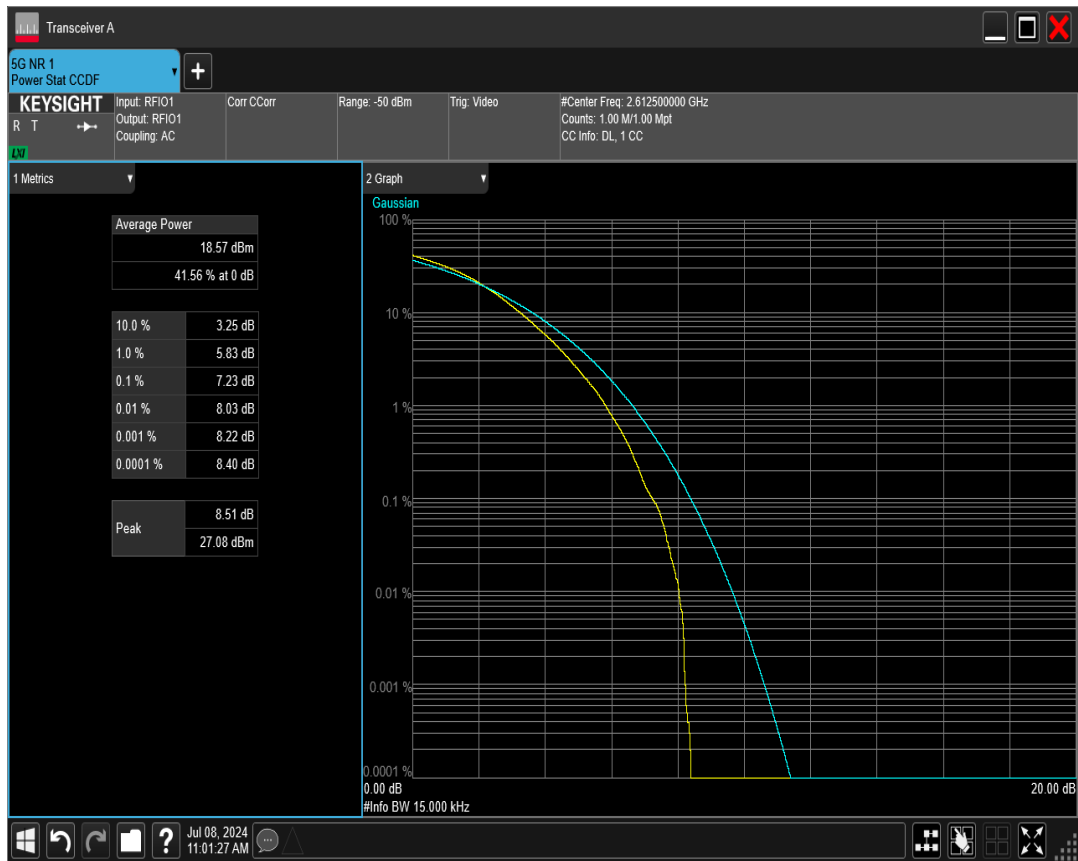
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



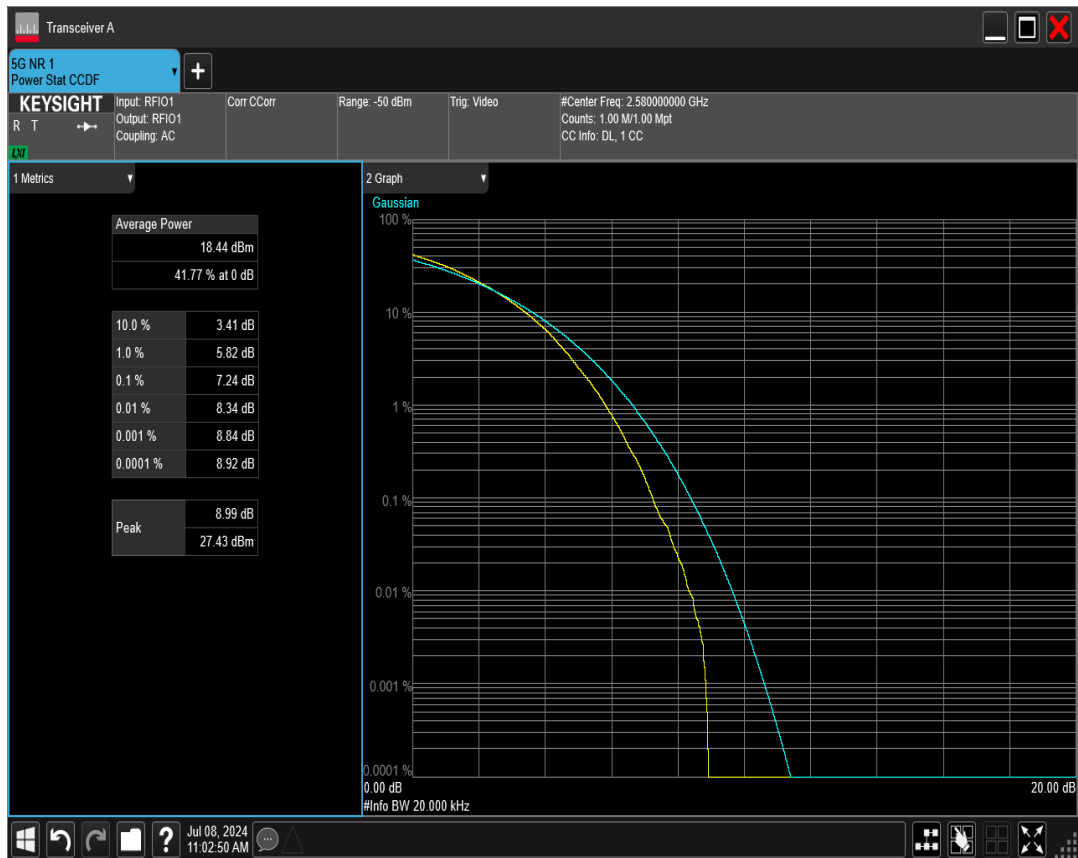
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



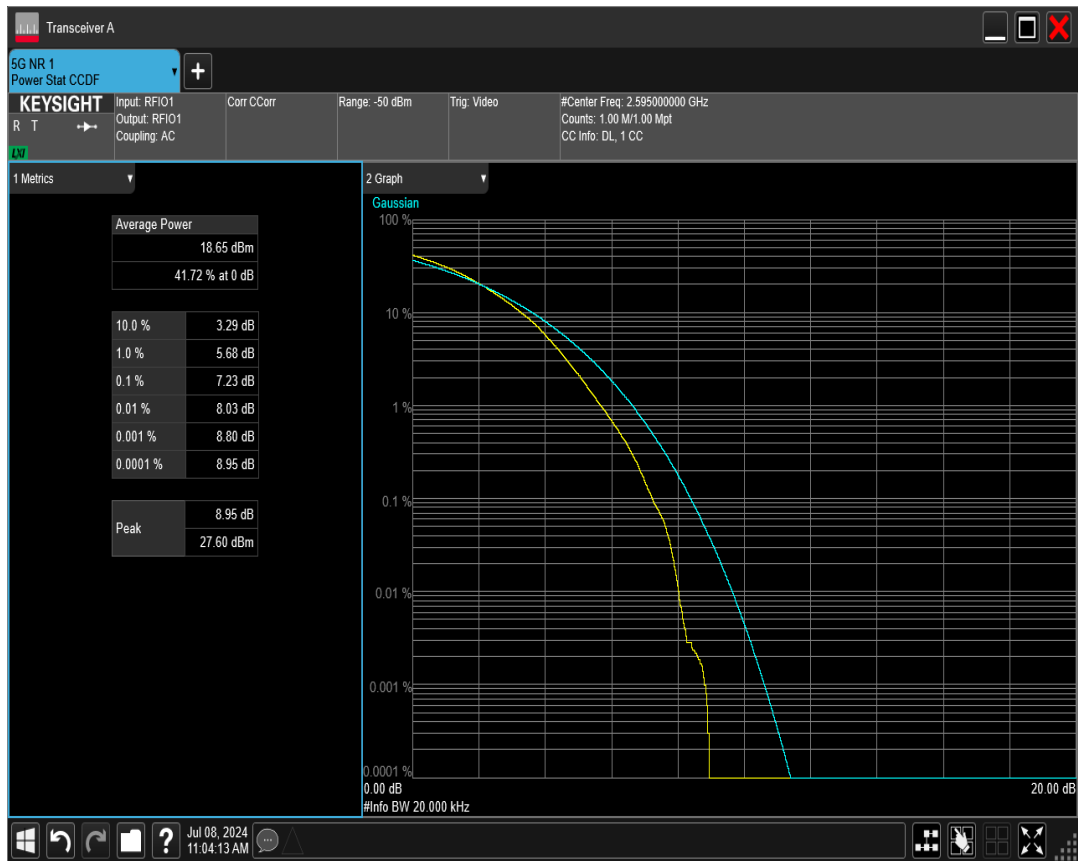
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=522500 RB=36@0



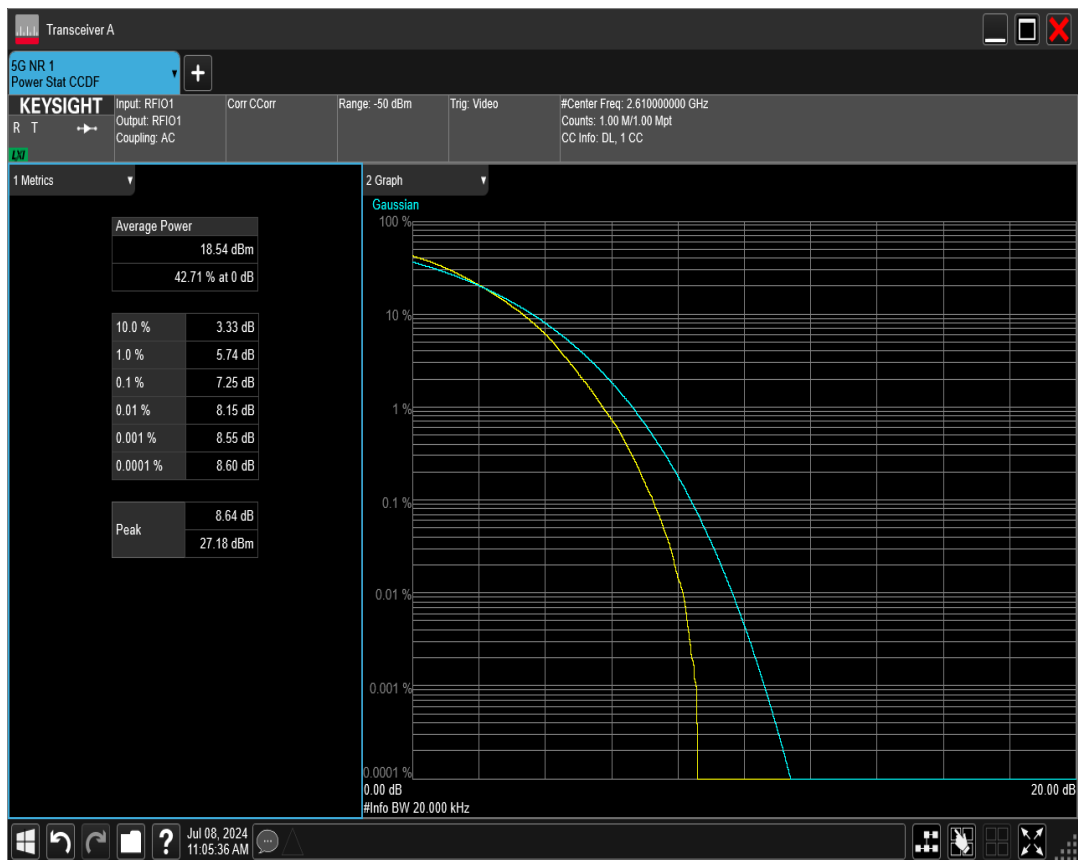
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



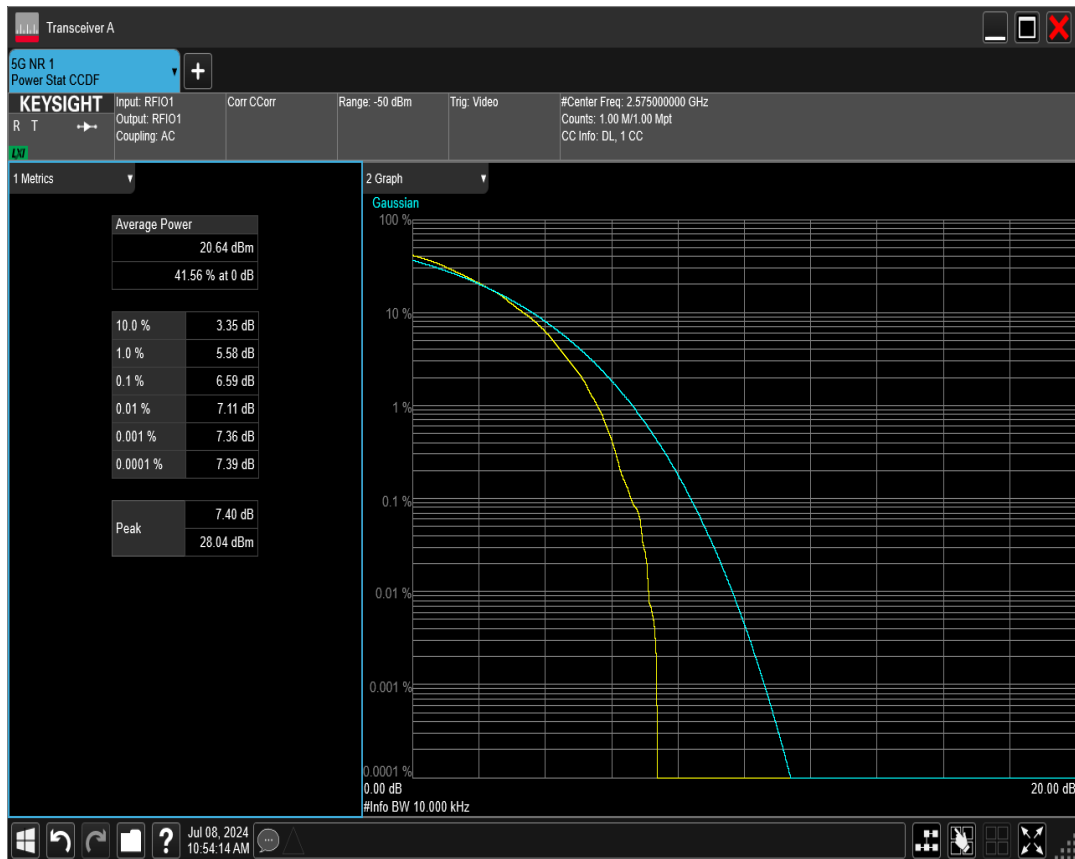
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



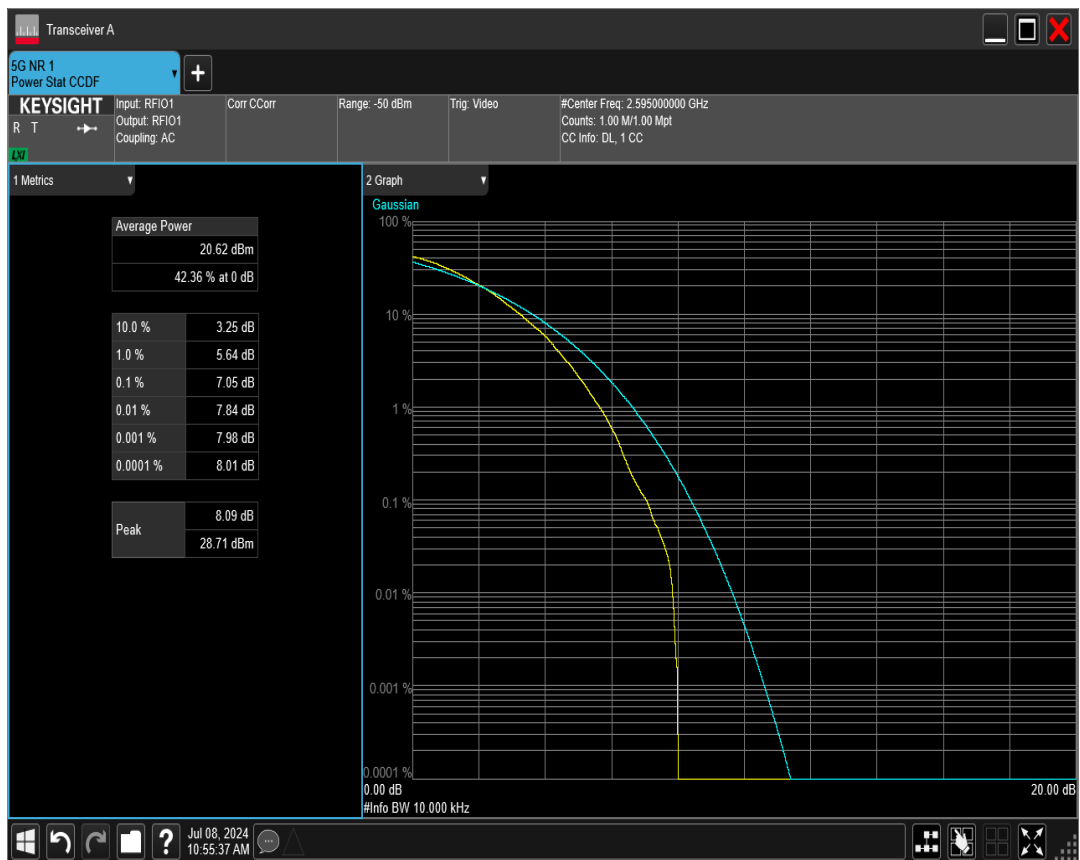
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



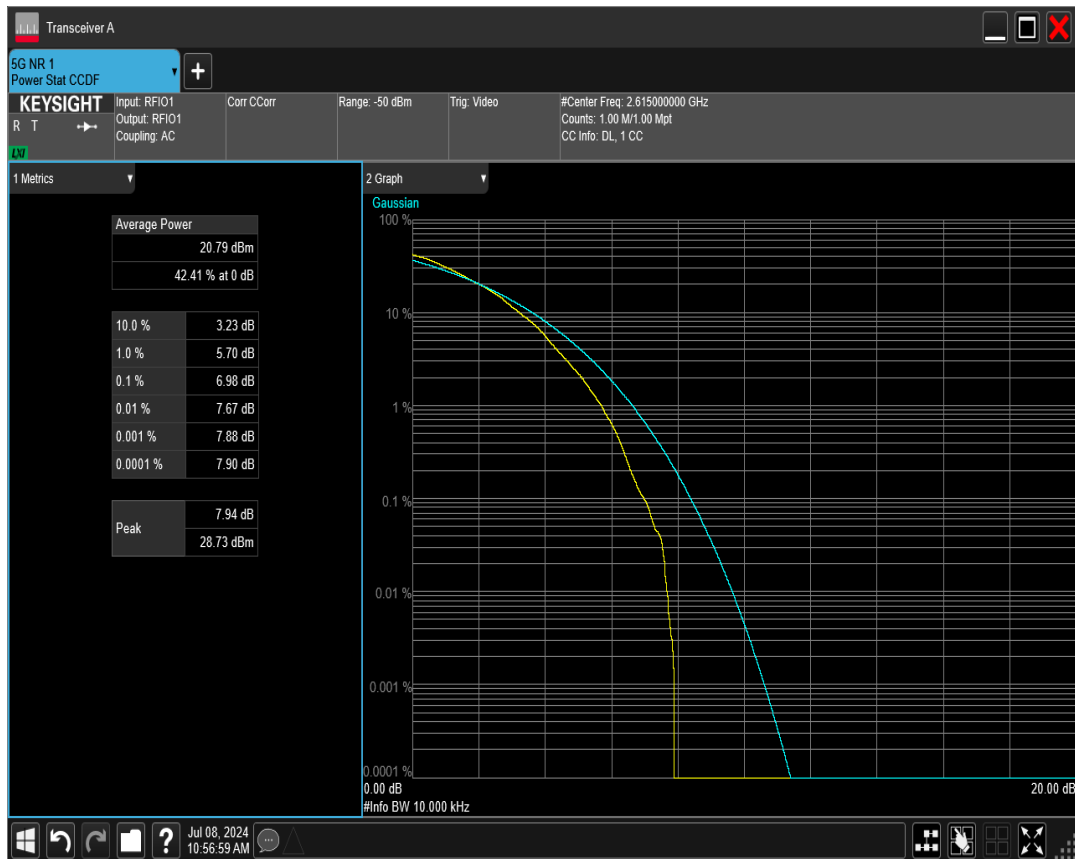
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



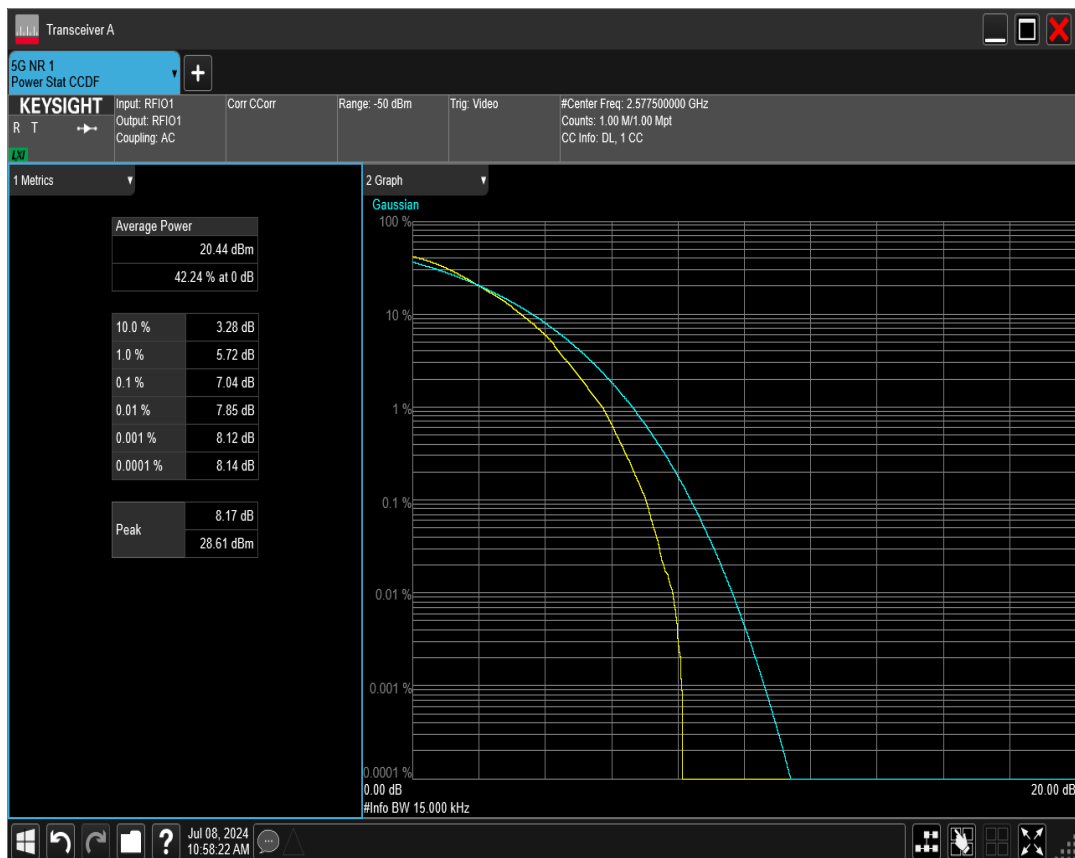
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



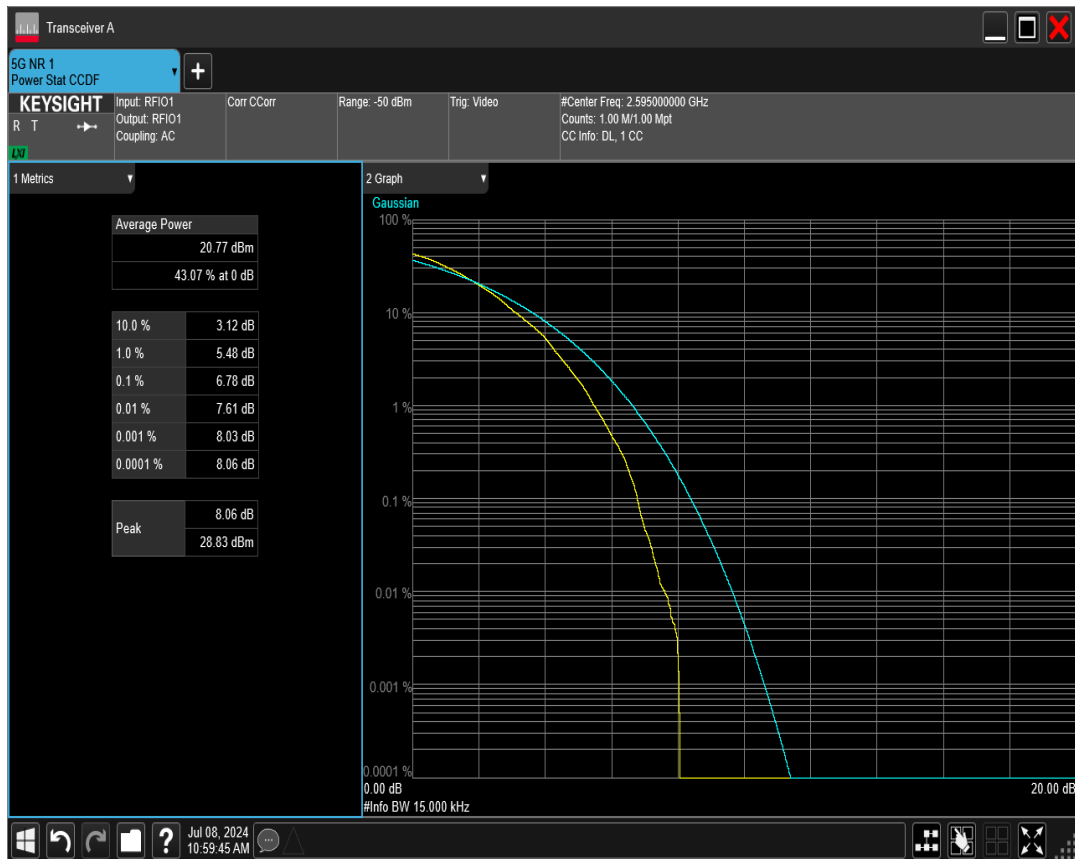
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



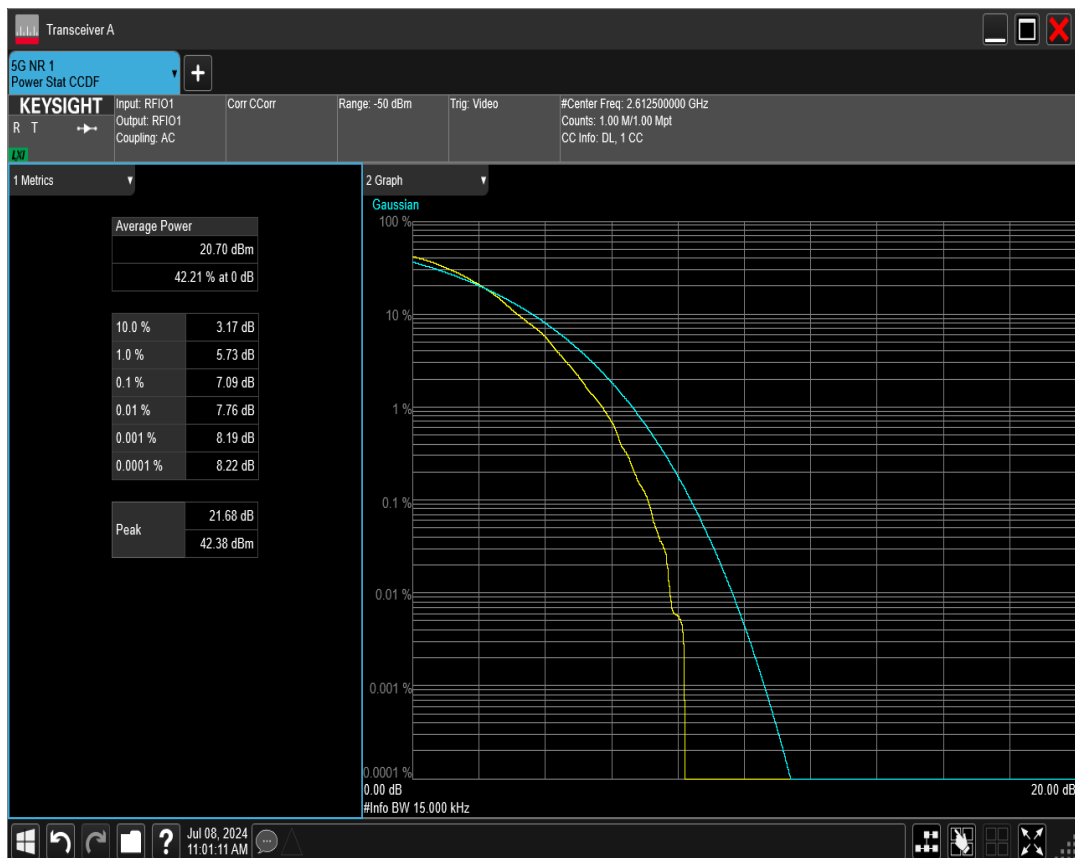
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



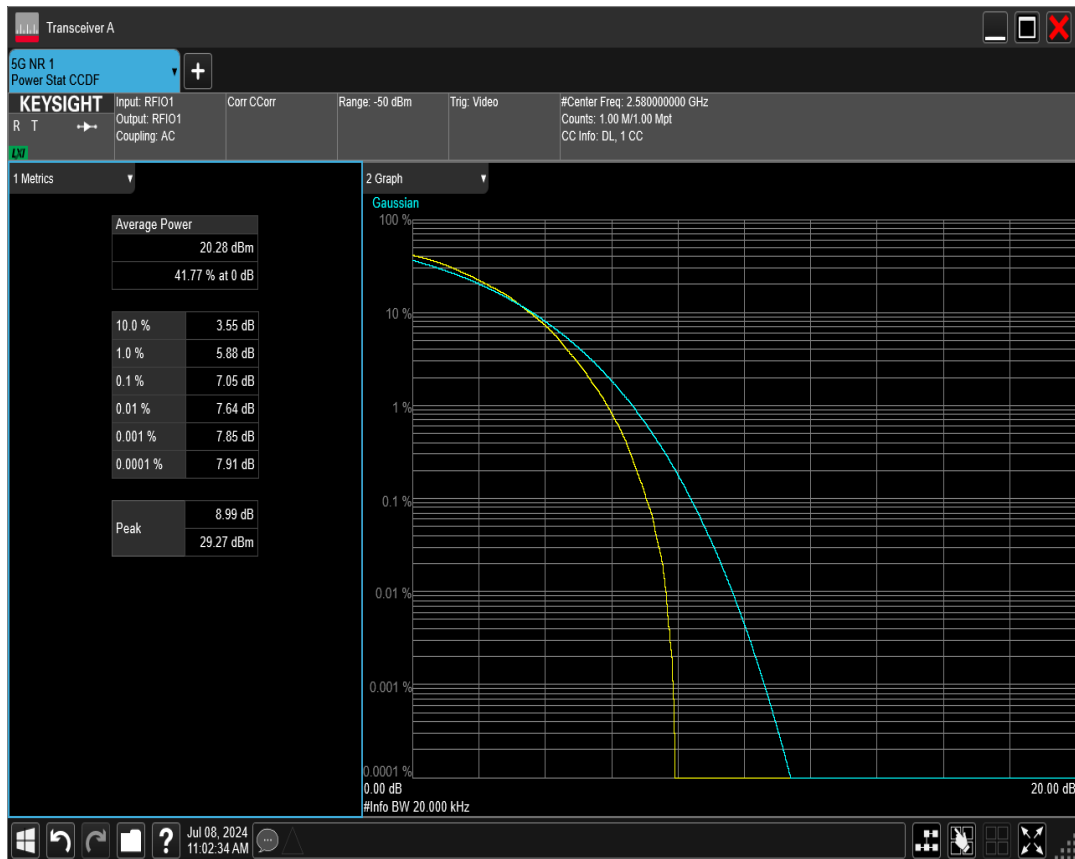
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



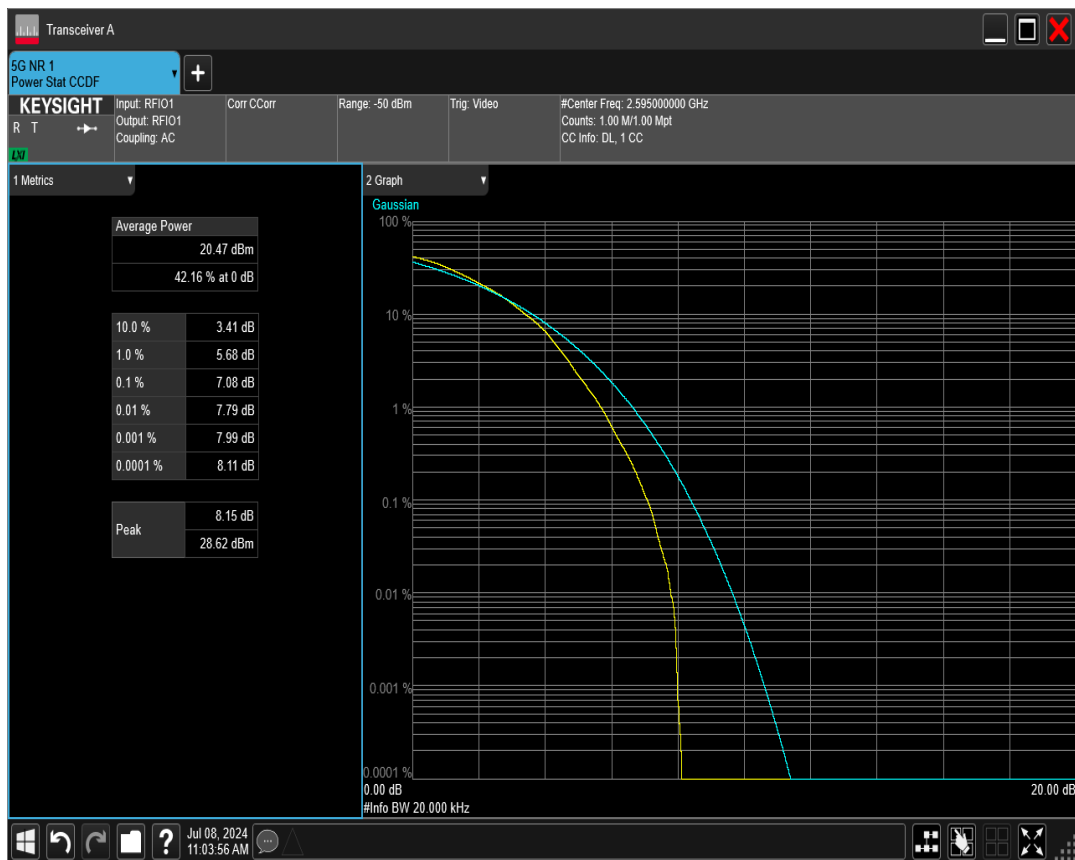
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



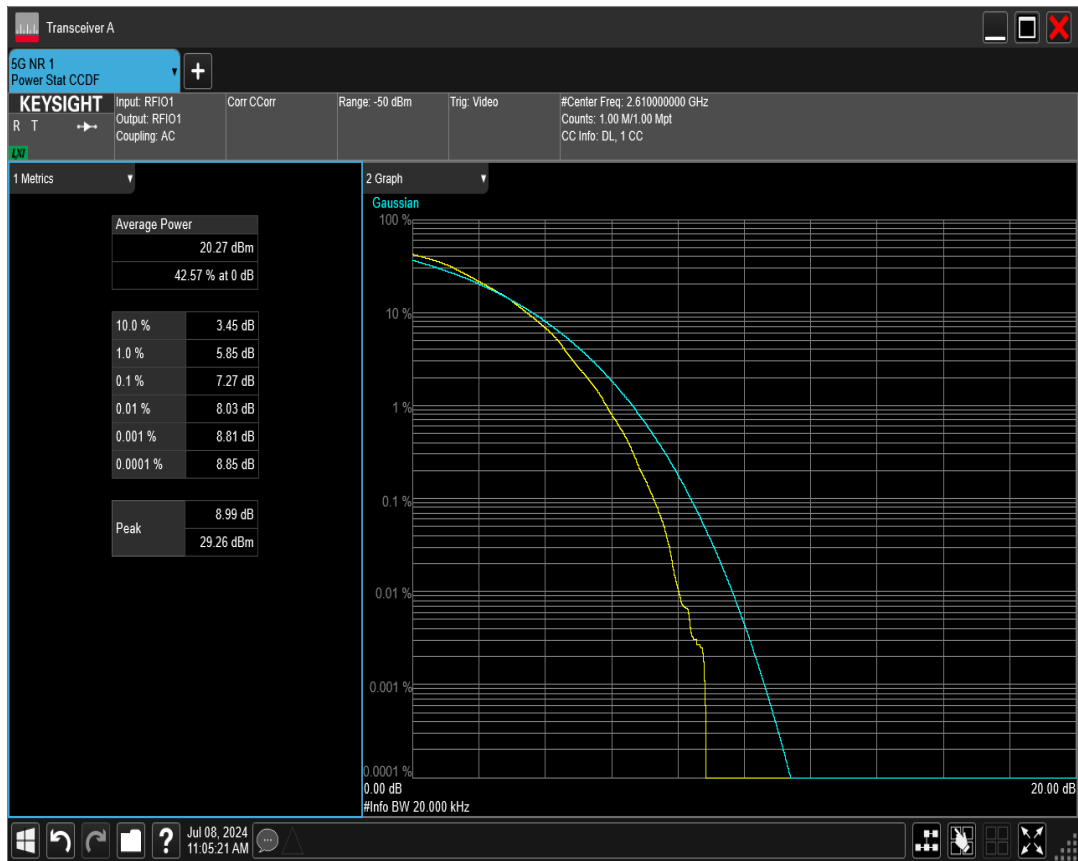
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



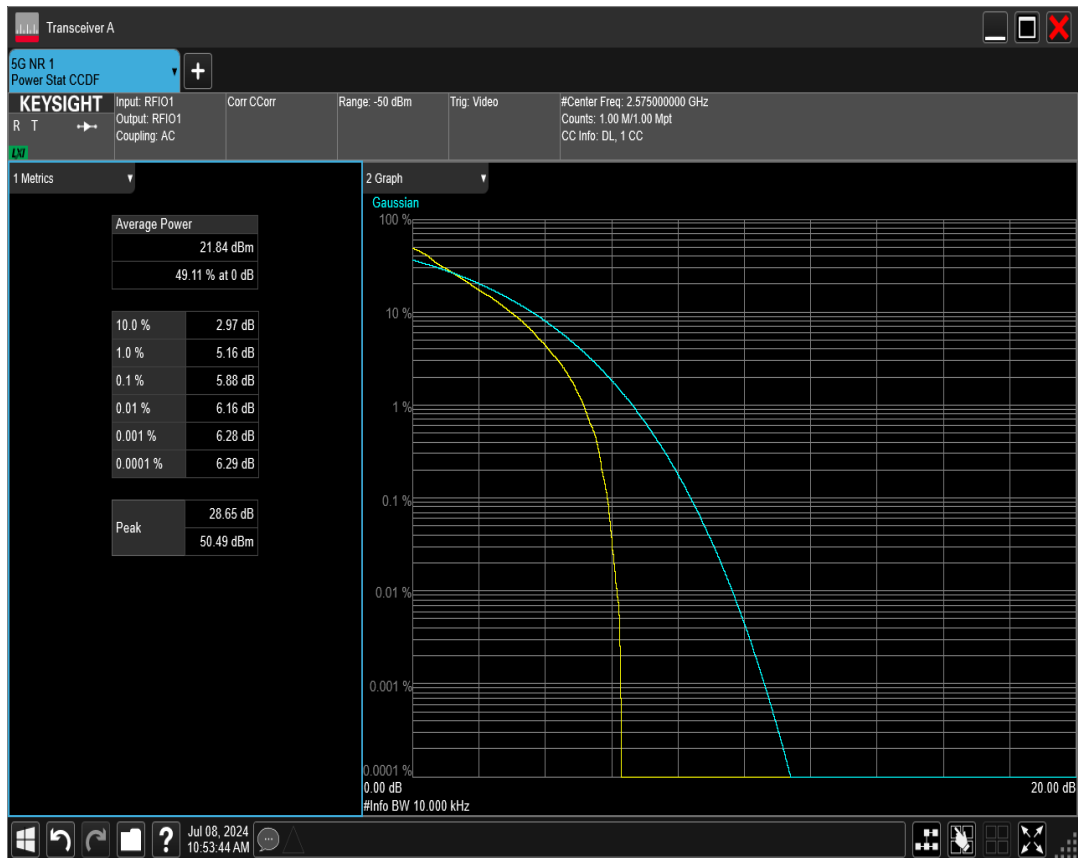
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



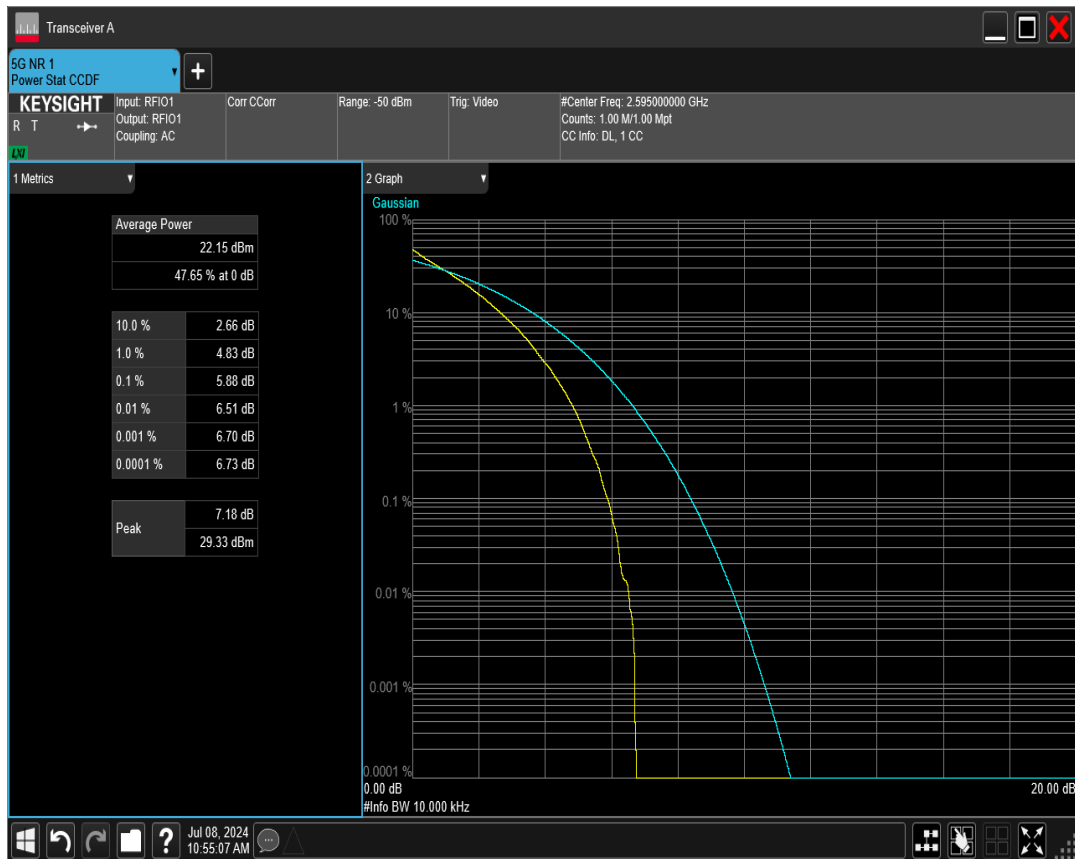
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



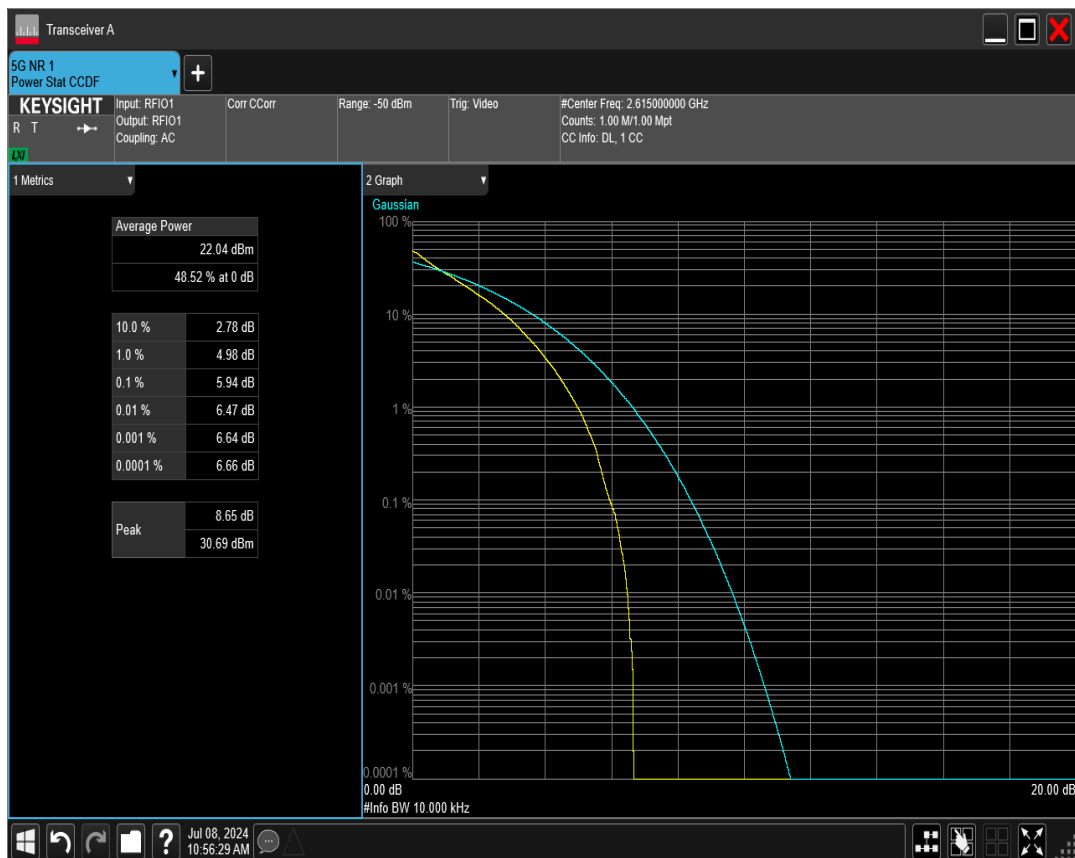
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



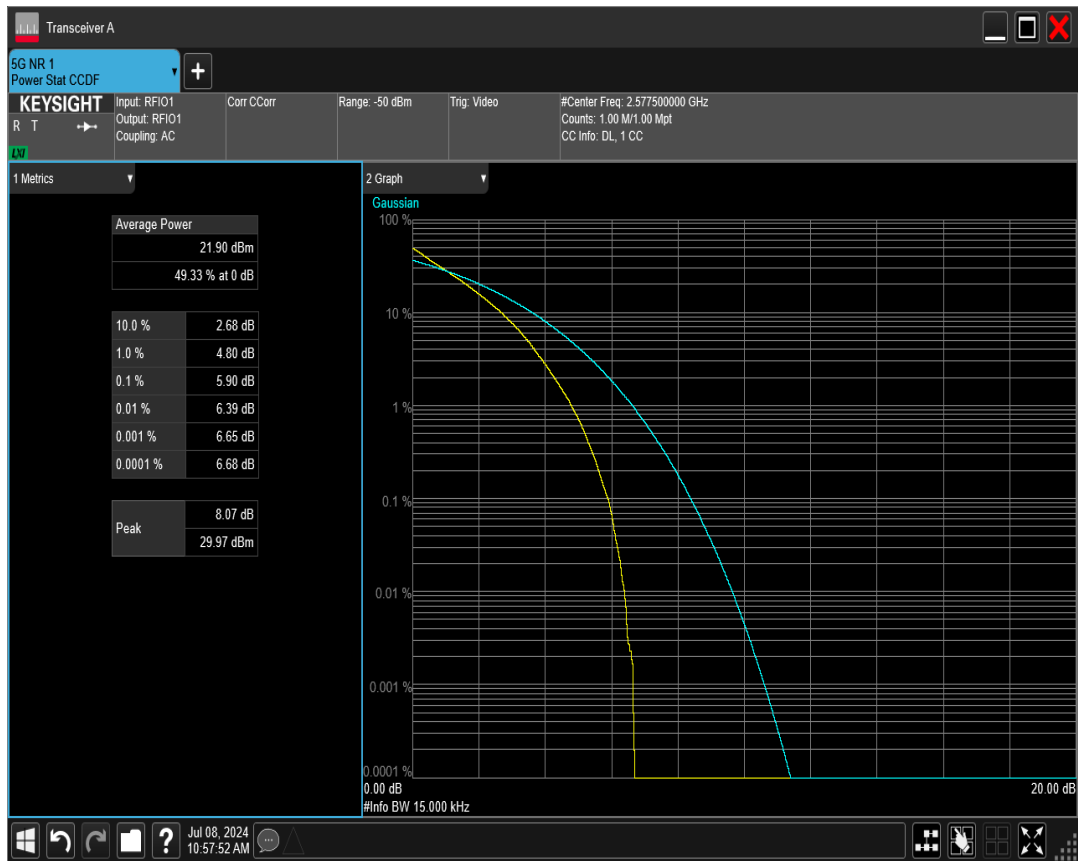
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



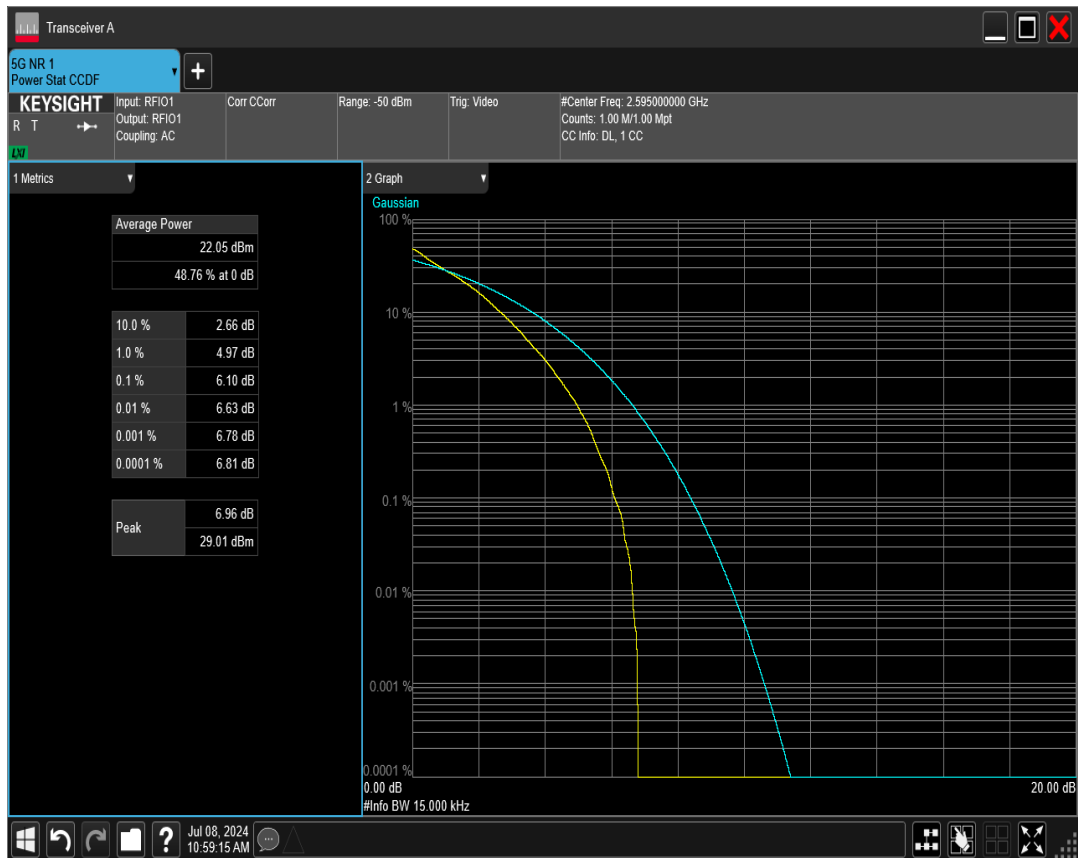
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



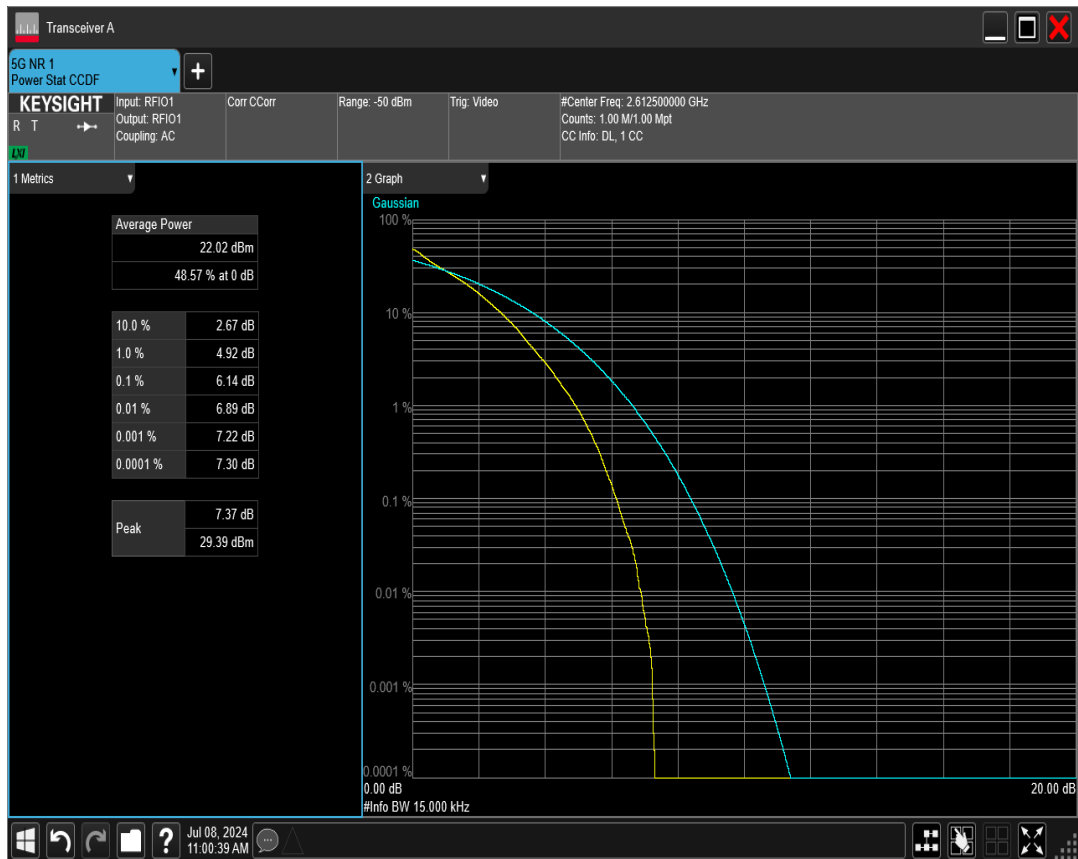
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



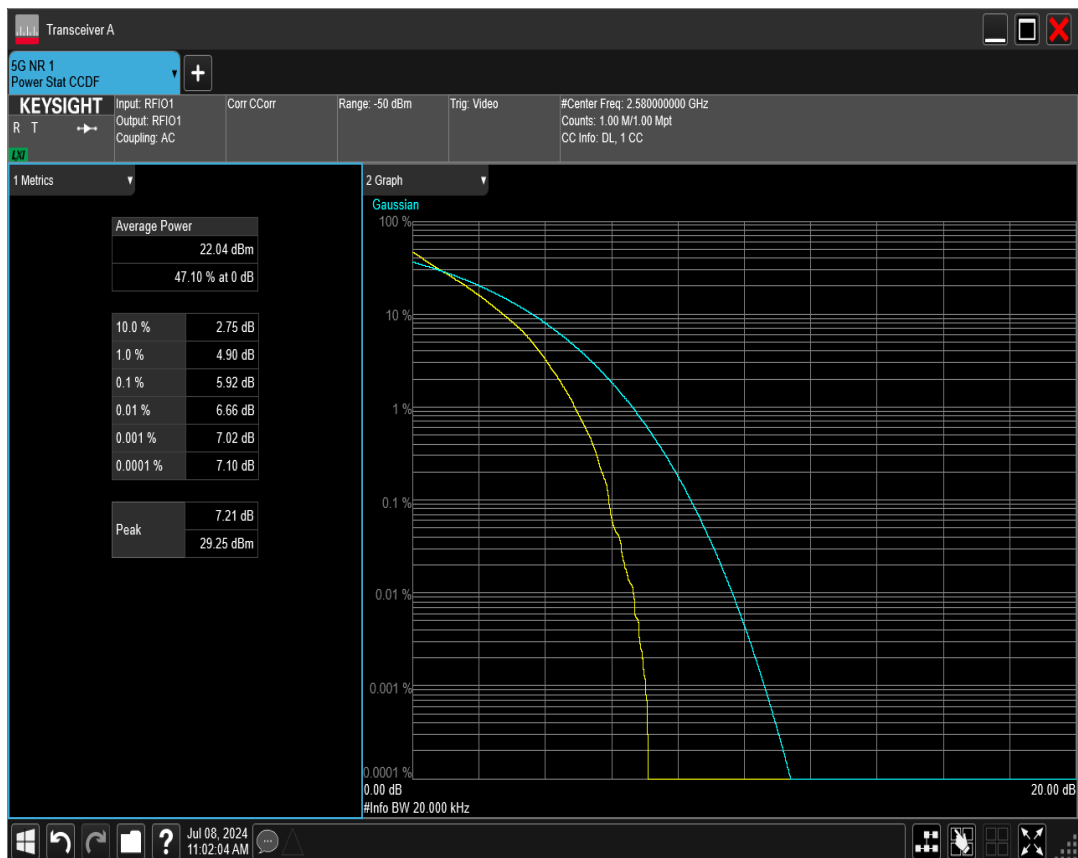
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



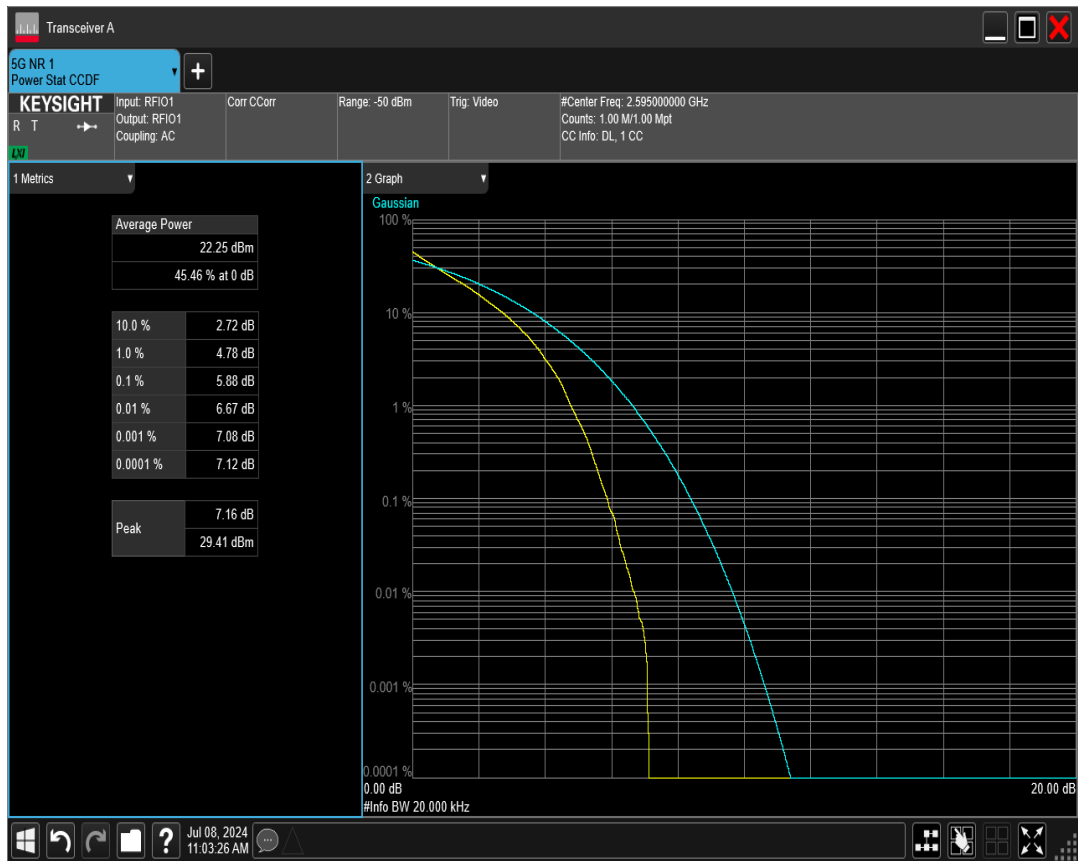
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



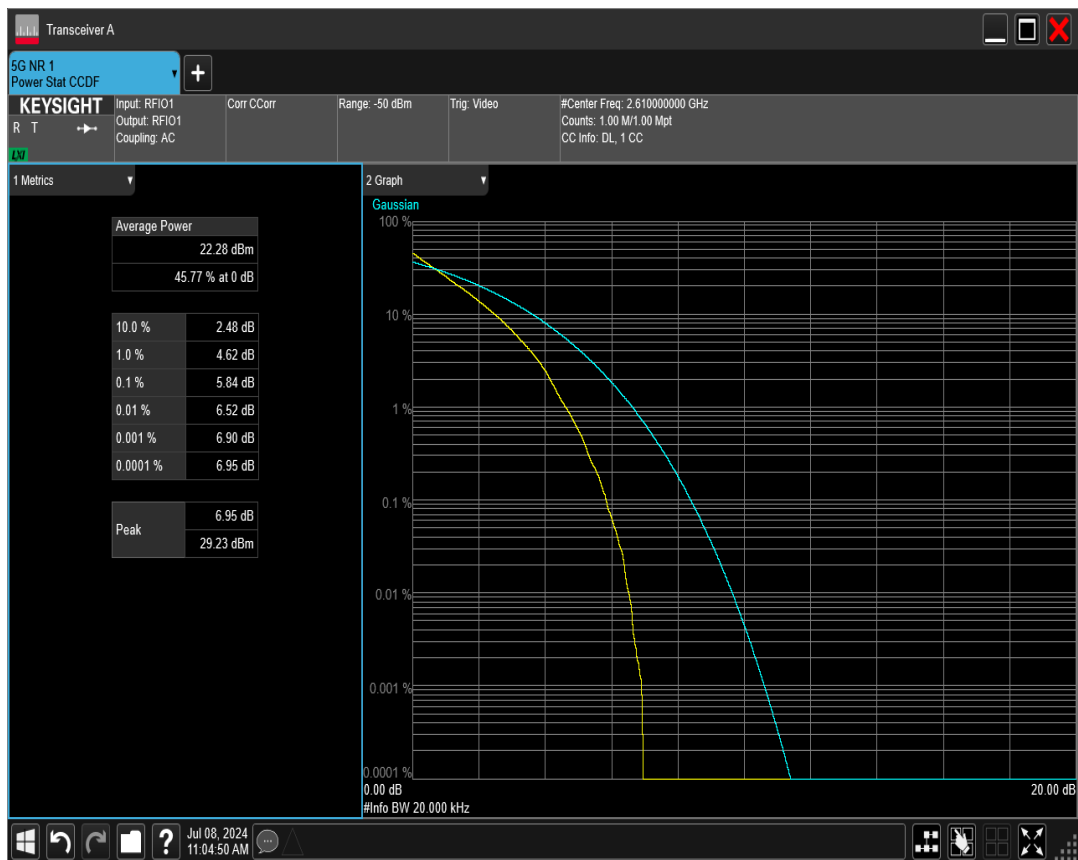
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



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	8.560	8.950	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.580	8.870	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.550	8.920	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.550	8.950	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.570	9.010	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.460	13.230	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.440	13.300	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.440	13.190	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.480	13.270	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.430	13.310	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.030	18.280	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.080	18.300	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.030	18.260	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.060	18.180	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.030	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=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



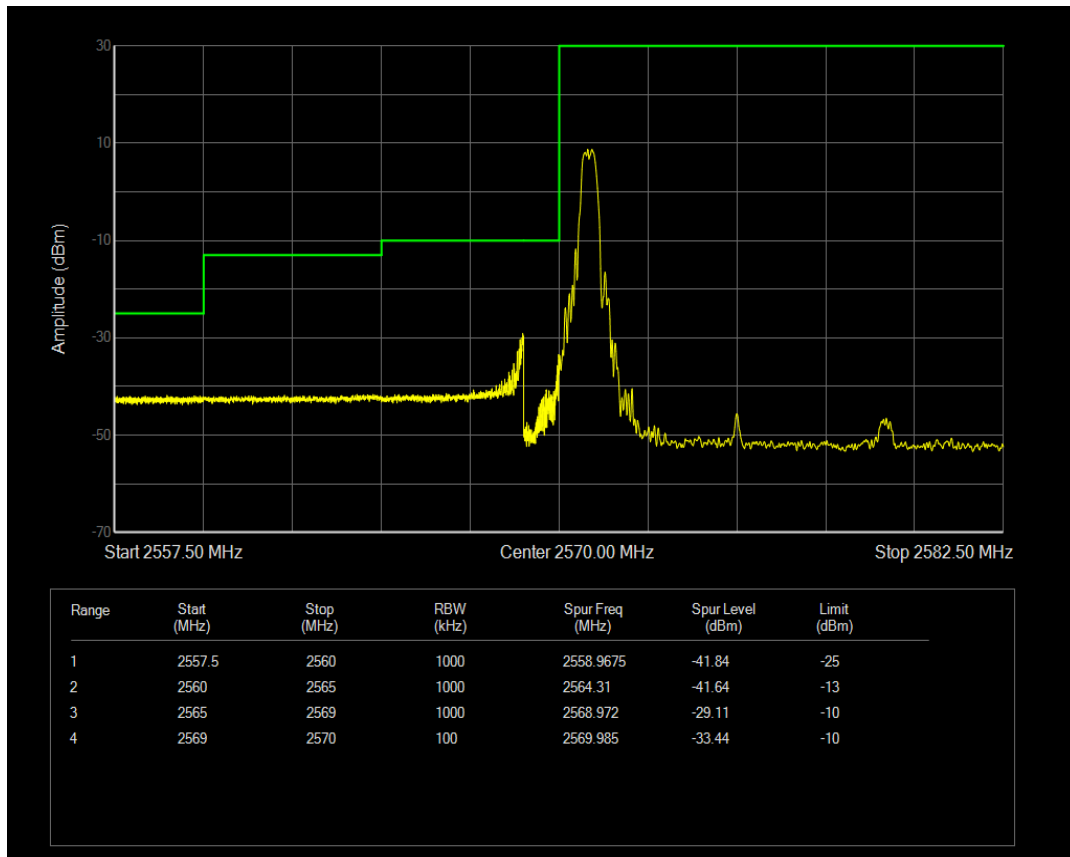
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



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	2559.85	-38.34	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2558.97	-41.84	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2557.84	-41.82	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2630.32	-39.20	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2632.42	-41.65	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2630.69	-41.68	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2554.86	-39.04	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2554.55	-41.94	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2552.56	-41.86	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2636.12	-39.88	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2638.06	-41.31	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2635.44	-41.57	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2549.52	-40.02	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2547.57	-41.82	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2548.53	-41.77	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2640.03	-39.65	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2643.22	-41.53	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2641.02	-41.78	-25	PASS

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

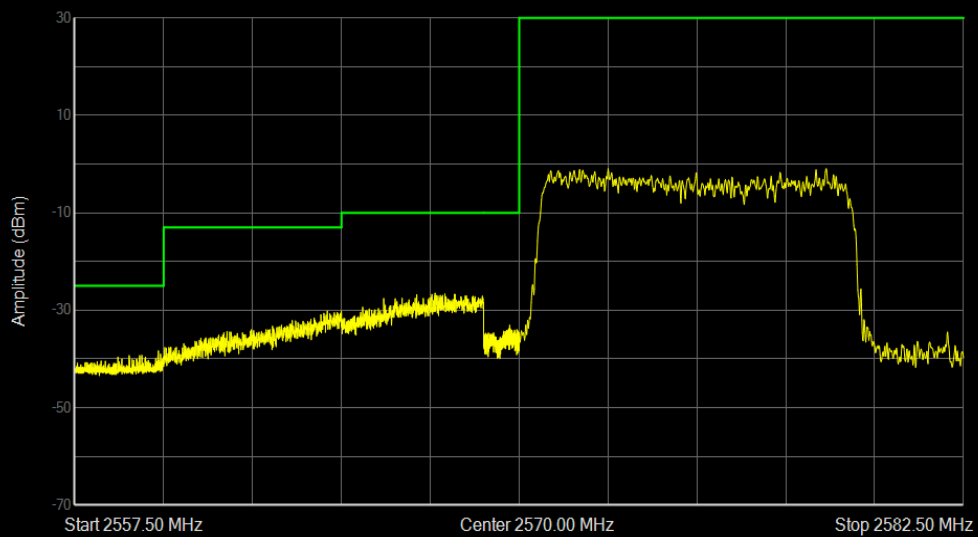


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2557.8425	-41.82	-25
2	2560	2565	1000	2564.685	-41.42	-13
3	2565	2569	1000	2568.892	-40.85	-10
4	2569	2570	100	2569.995	-50.88	-10

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



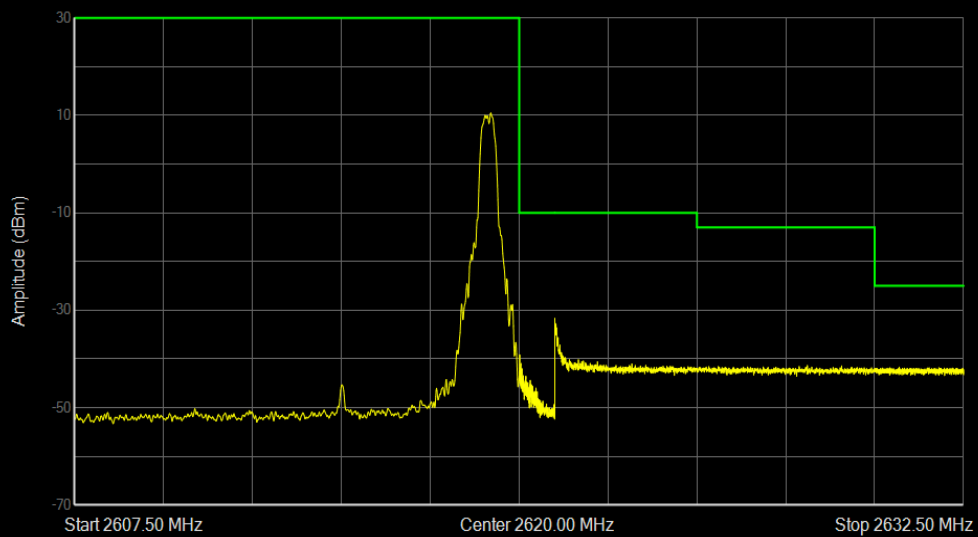
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.85	-38.34	-25
2	2560	2565	1000	2564.6	-30.18	-13
3	2565	2569	1000	2567.632	-26.49	-10
4	2569	2570	200	2569.732	-33.07	-10

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



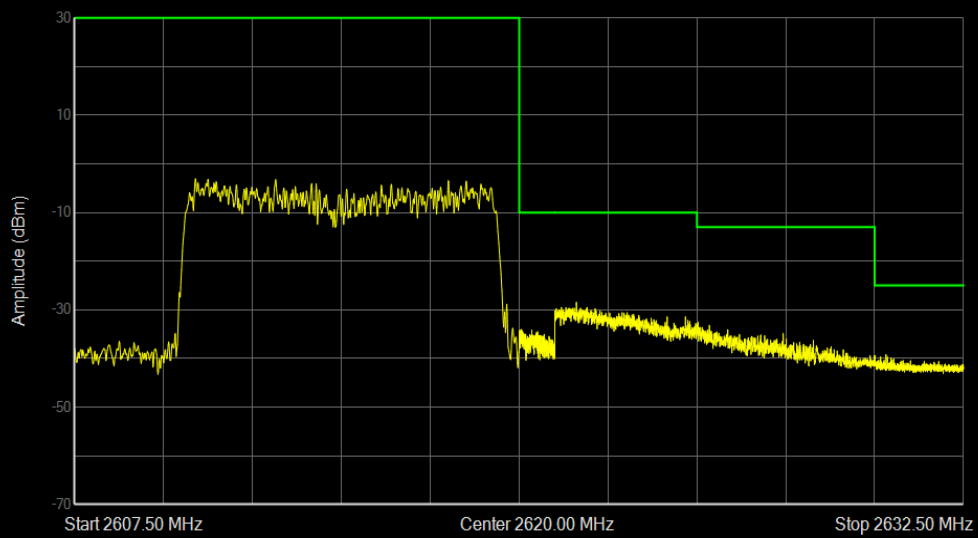
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.85	-50.62	-10
3	2621	2625	1000	2621.424	-41.29	-10
4	2625	2630	1000	2625.58	-40.8	-13
5	2630	2632.5	1000	2632.42	-41.65	-25

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



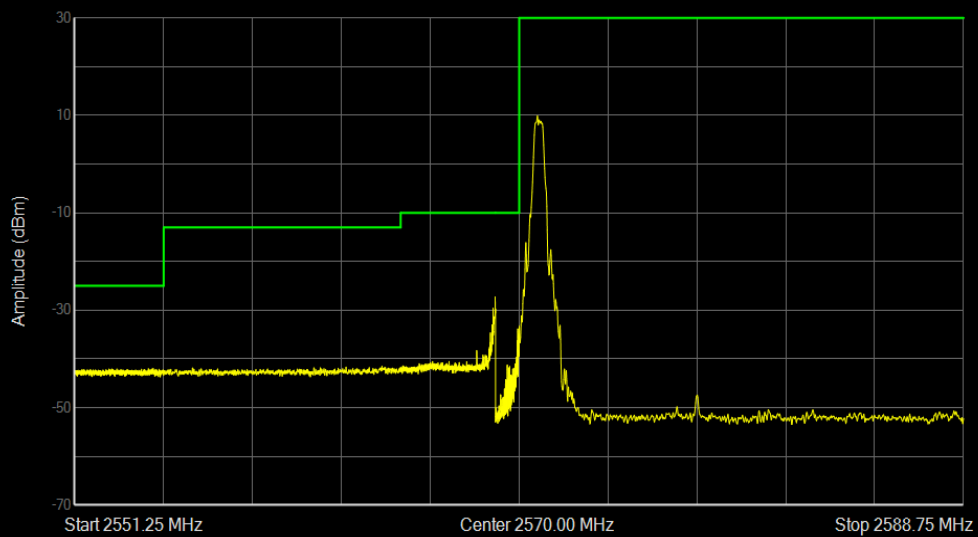
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.012	-39.15	-10
3	2621	2625	1000	2621.032	-32.84	-10
4	2625	2630	1000	2628.105	-41.36	-13
5	2630	2632.5	1000	2630.69	-41.68	-25

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



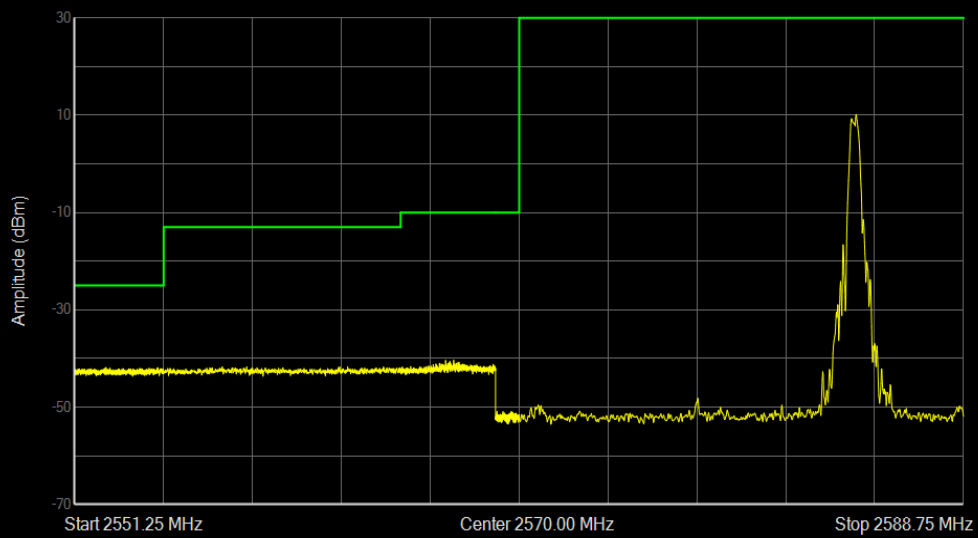
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.067	-34.04	-10
3	2621	2625	1000	2621.608	-28.45	-10
4	2625	2630	1000	2625.03	-32.55	-13
5	2630	2632.5	1000	2630.3175	-39.2	-25

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	2554.55375	-41.94	-25
2	2555	2565	1000	2564.21	-41.5	-13
3	2565	2569	1000	2568.984	-27.28	-10
4	2569	2570	100	2569.939	-33.83	-10

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



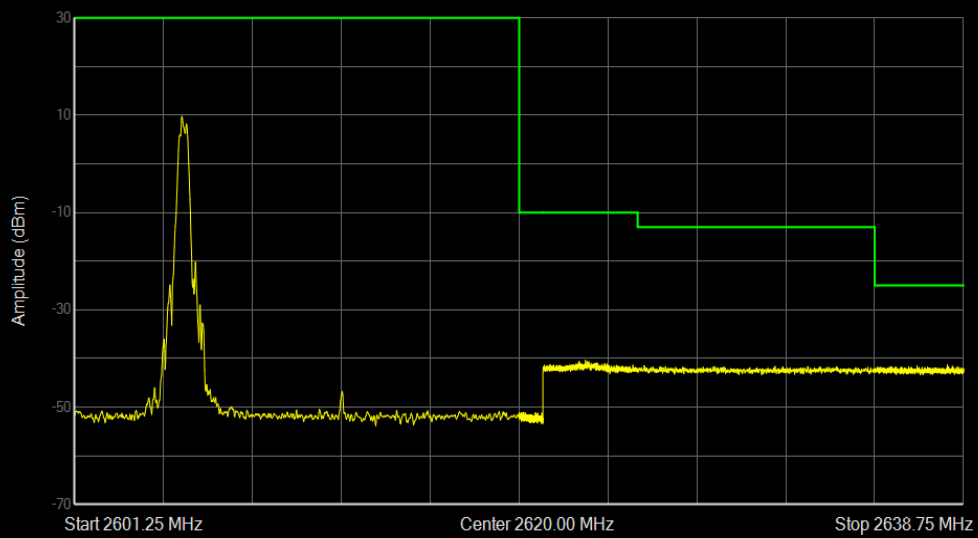
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.5625	-41.86	-25
2	2555	2565	1000	2558.5	-41.72	-13
3	2565	2569	1000	2567.232	-40.36	-10
4	2569	2570	100	2569.059	-50.93	-10

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



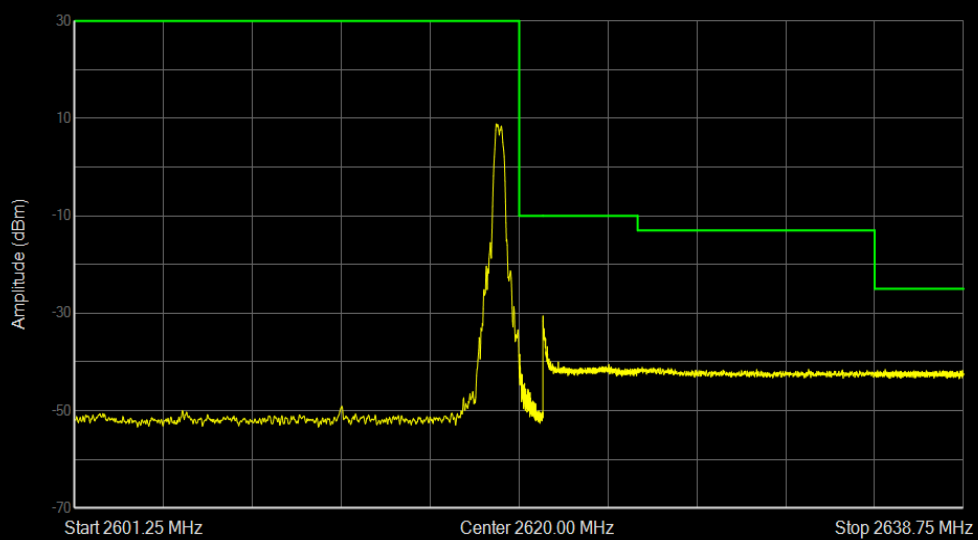
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.8575	-39.04	-25
2	2555	2565	1000	2564.99	-31.32	-13
3	2565	2569	1000	2567.62	-28.23	-10
4	2569	2570	300	2569.407	-34.91	-10

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



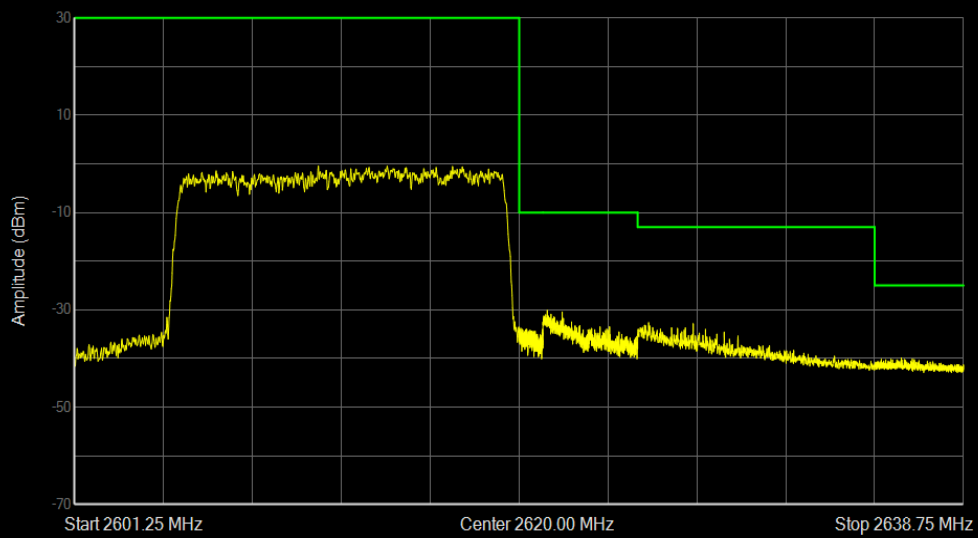
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.187	-51.04	-10
3	2621	2625	1000	2622.796	-40.38	-10
4	2625	2635	1000	2625.27	-41.46	-13
5	2635	2638.75	1000	2638.06375	-41.31	-25

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



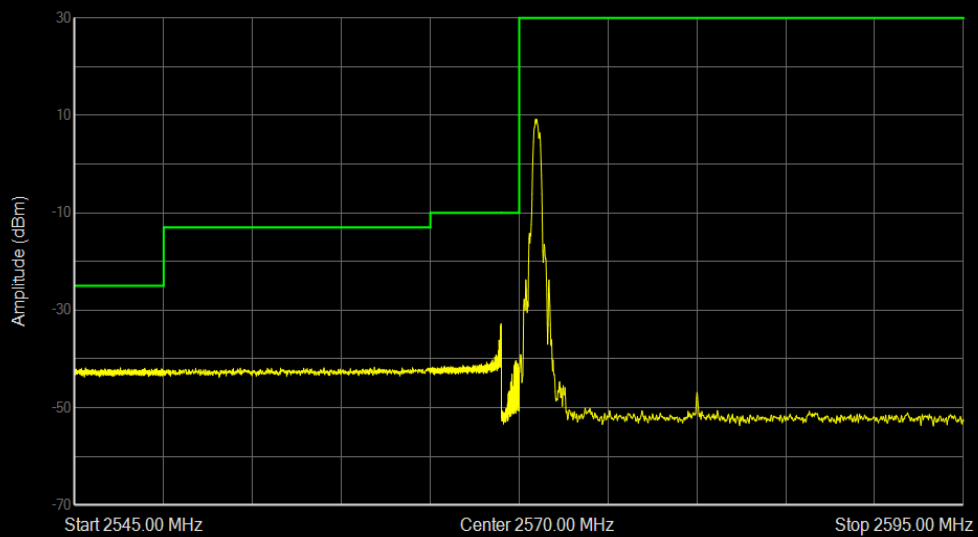
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.02	-38.41	-10
3	2621	2625	1000	2621.004	-30.56	-10
4	2625	2635	1000	2625.19	-41.12	-13
5	2635	2638.75	1000	2635.4425	-41.57	-25

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



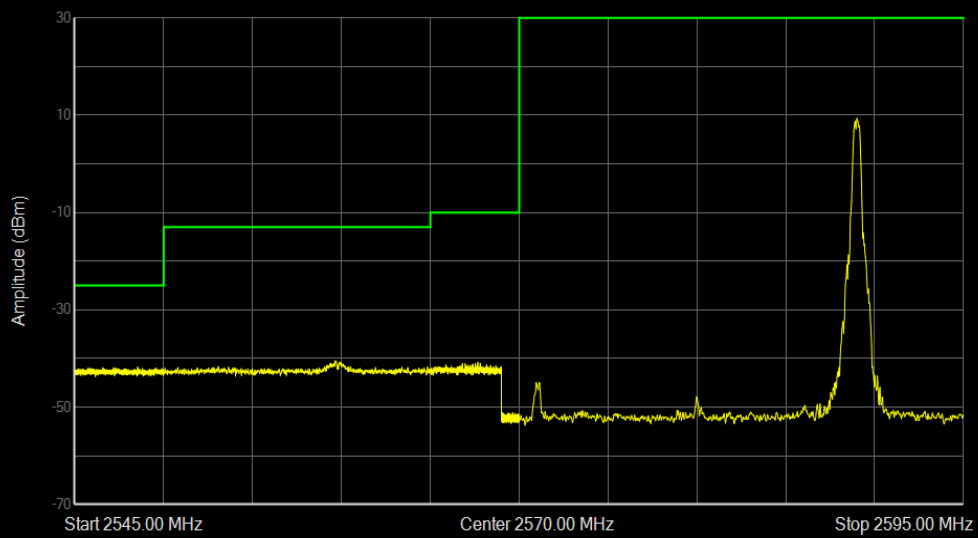
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.065	-33.78	-10
3	2621	2625	1000	2621.184	-30.12	-10
4	2625	2635	1000	2625.46	-32.63	-13
5	2635	2638.75	1000	2636.12125	-39.88	-25

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	2547.565	-41.82	-25
2	2550	2565	1000	2561.85	-41.71	-13
3	2565	2569	1000	2568.976	-32.77	-10
4	2569	2570	100	2569.81	-40.35	-10

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

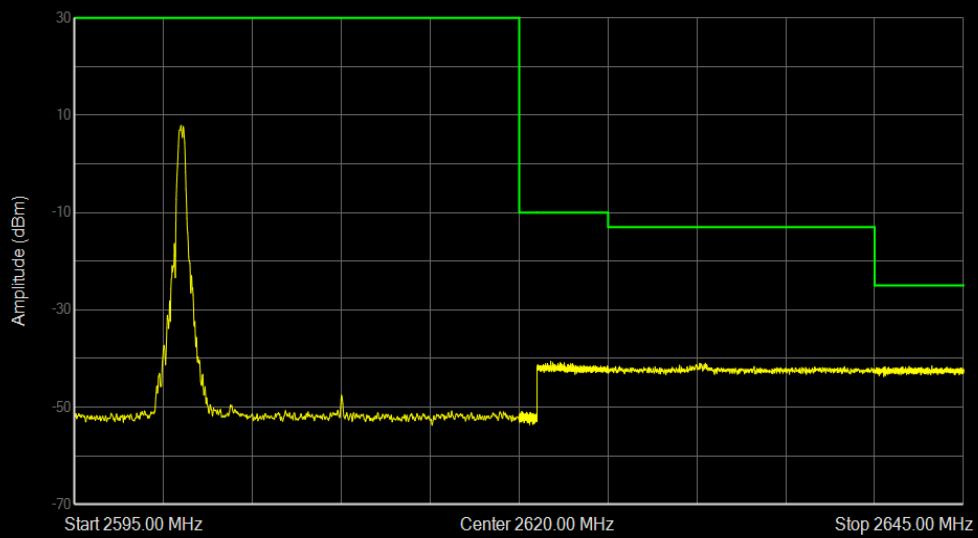


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2548.53	-41.77	-25
2	2550	2565	1000	2559.645	-40.47	-13
3	2565	2569	1000	2567.672	-40.78	-10
4	2569	2570	100	2569.064	-51.16	-10

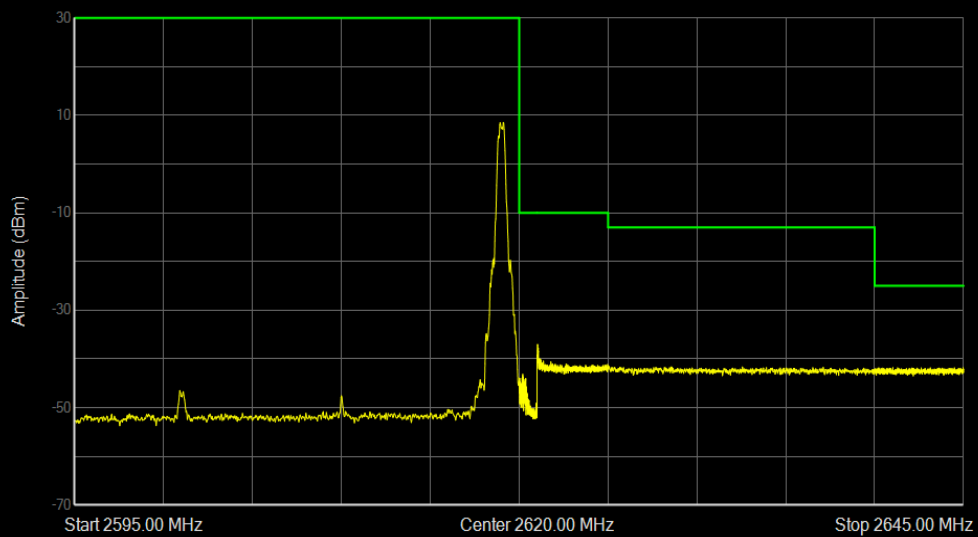
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.515	-40.02	-25
2	2550	2565	1000	2563.98	-31.57	-13
3	2565	2569	1000	2568.848	-27.73	-10
4	2569	2570	430	2569.015	-31.56	-10

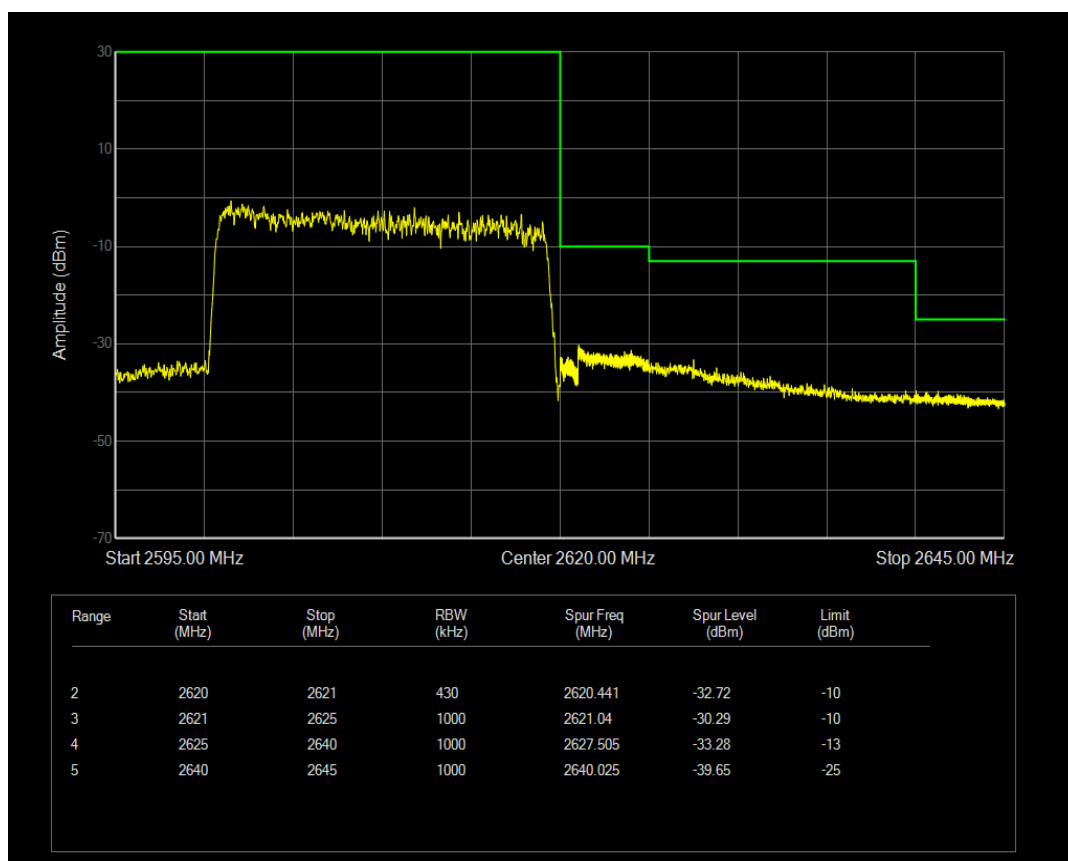
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.144	-50.92	-10
3	2621	2625	1000	2621.772	-40.57	-10
4	2625	2640	1000	2630.16	-40.96	-13
5	2640	2645	1000	2643.22	-41.53	-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	2620.2	-43.14	-10
3	2621	2625	1000	2621.028	-37.03	-10
4	2625	2640	1000	2625.03	-41.53	-13
5	2640	2645	1000	2641.02	-41.78	-25

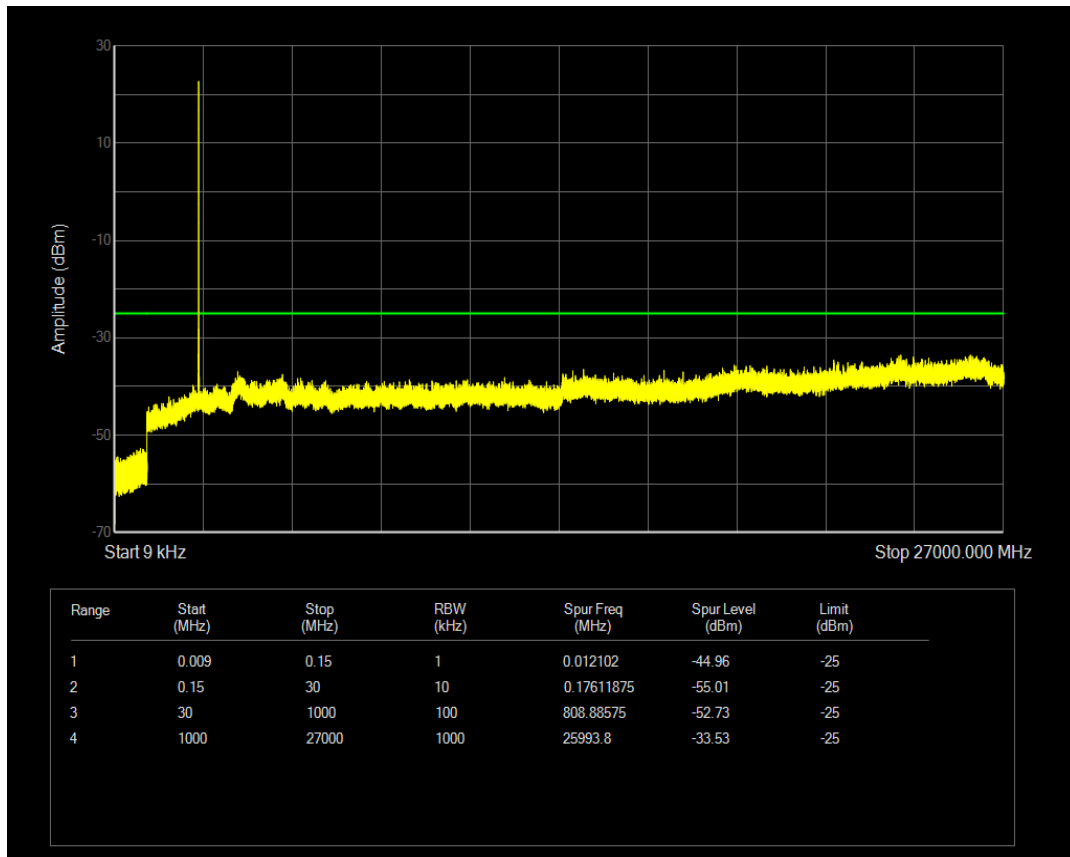
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0

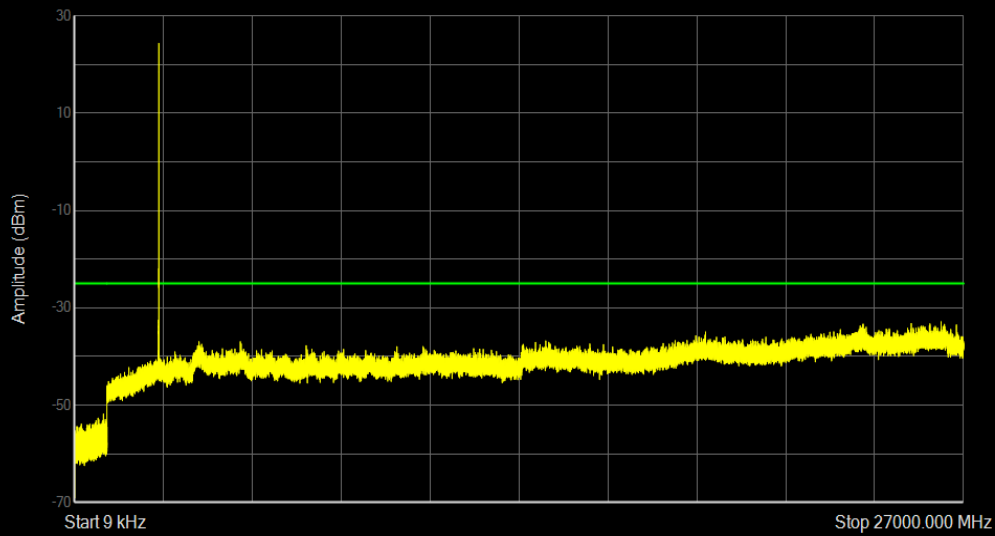


6 Out-of-band emissions for NR FR1

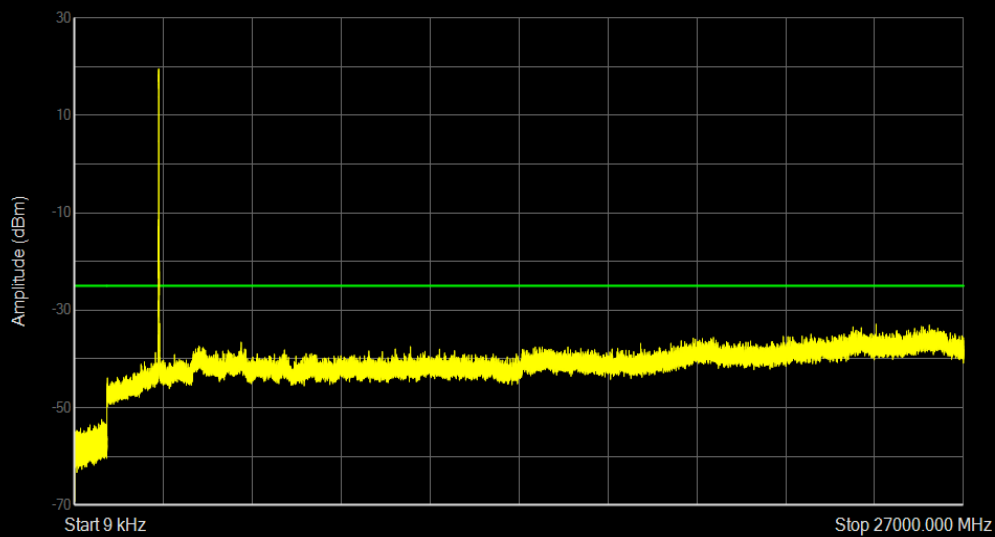
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	24346.70	-32.87	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	25993.80	-33.53	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	26316.85	-32.86	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	26065.30	-33.58	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	26342.20	-32.99	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	25941.15	-32.20	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	25701.95	-32.59	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	25399.05	-33.55	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	23915.75	-32.67	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	24019.75	-32.99	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	23900.80	-33.13	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	5238.65	-32.70	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	26206.35	-33.28	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	25976.90	-33.11	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	26367.55	-32.69	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	26229.10	-32.90	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	25878.75	-32.97	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	26270.05	-32.74	-25	PASS

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

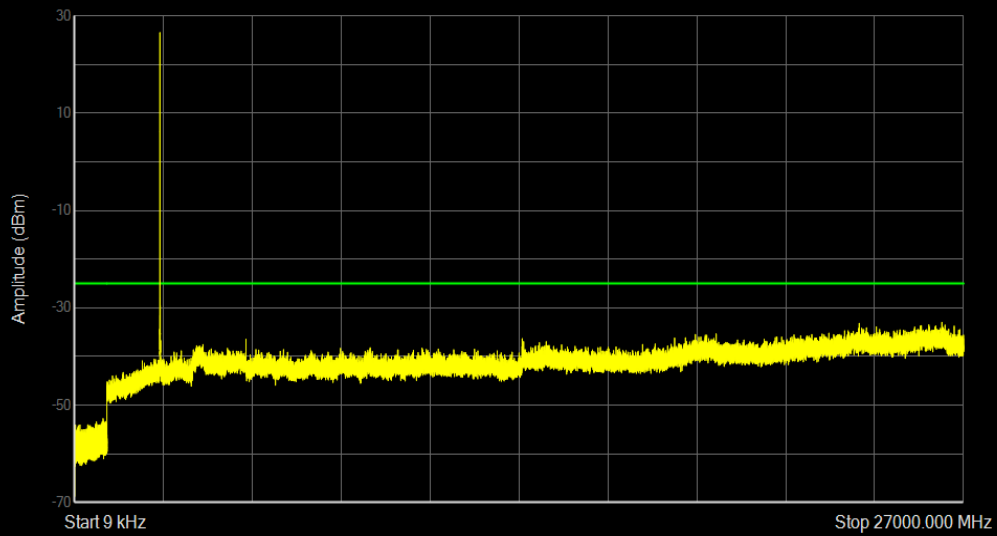


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

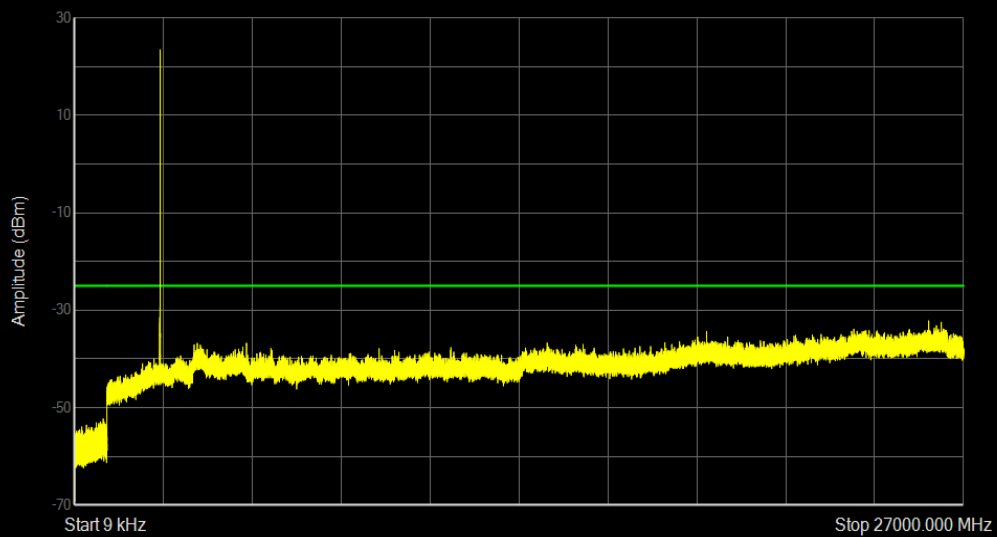
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010269	-44.71	-25
2	0.15	30	10	0.15671625	-52.56	-25
3	30	1000	100	896.5495	-51.83	-25
4	1000	27000	1000	26316.85	-32.86	-25

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

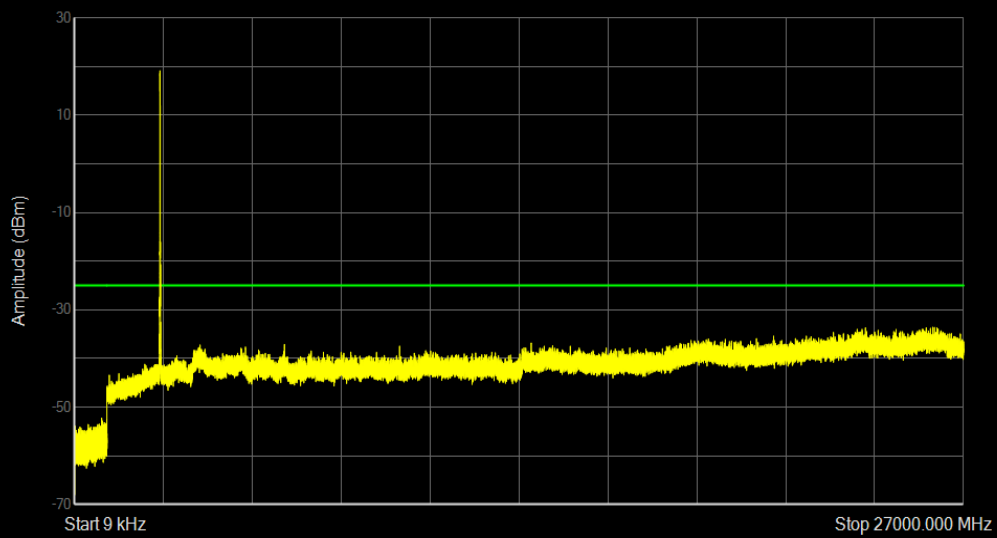
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096063	-43.89	-25
2	0.15	30	10	0.15522375	-54.62	-25
3	30	1000	100	842.93275	-52.43	-25
4	1000	27000	1000	24346.7	-32.87	-25

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

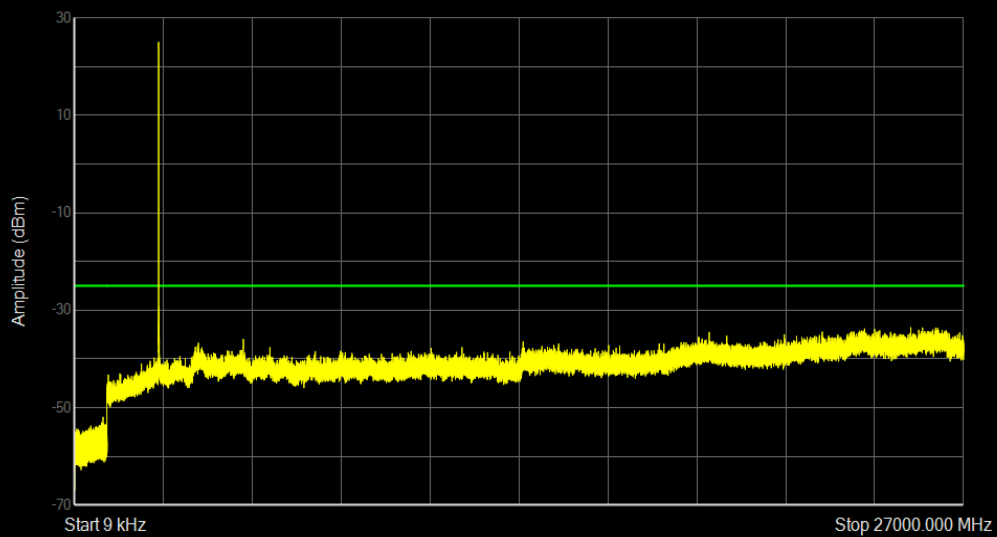
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.09	-25
2	0.15	30	10	0.164925	-54.95	-25
3	30	1000	100	885.37025	-52.81	-25
4	1000	27000	1000	26342.2	-32.99	-25

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	0.01669155	-44.7	-25
2	0.15	30	10	0.2141775	-55.68	-25
3	30	1000	100	890.46275	-52.31	-25
4	1000	27000	1000	25941.15	-32.2	-25

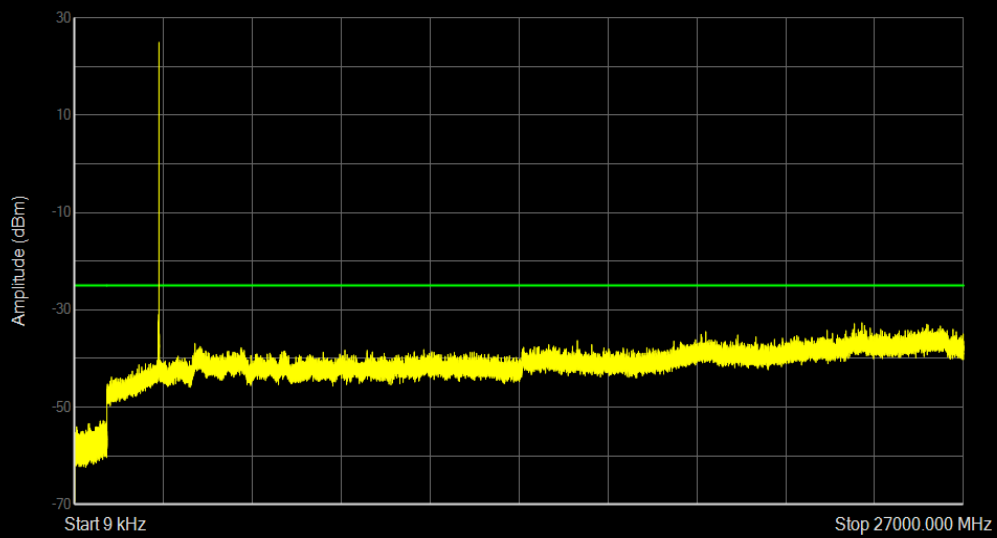
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012415725	-43.81	-25
2	0.15	30	10	0.16119375	-54.07	-25
3	30	1000	100	843.75725	-52.25	-25
4	1000	27000	1000	26065.3	-33.58	-25

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

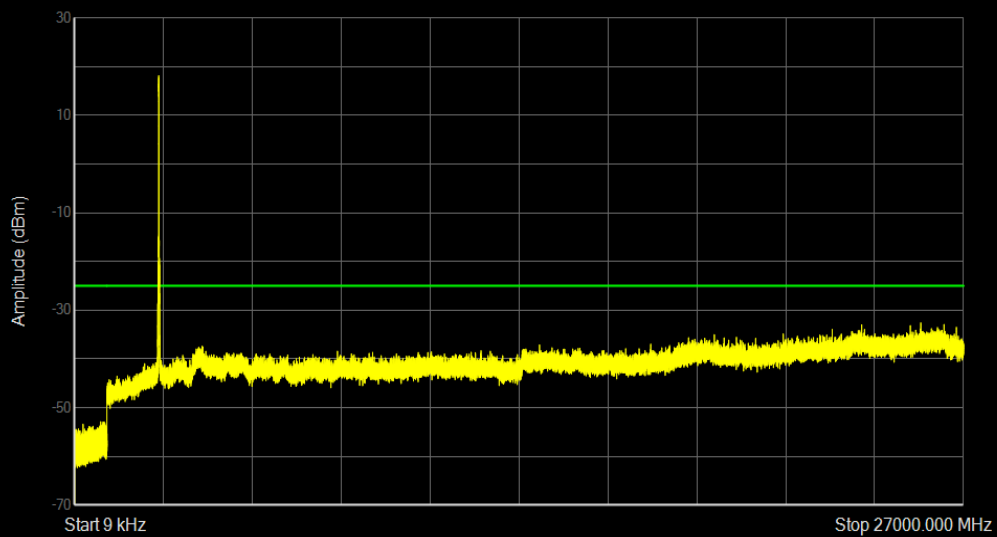
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010540425	-44.34	-25
2	0.15	30	10	0.15970125	-54.72	-25
3	30	1000	100	888.0135	-51.97	-25
4	1000	27000	1000	25399.05	-33.55	-25

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

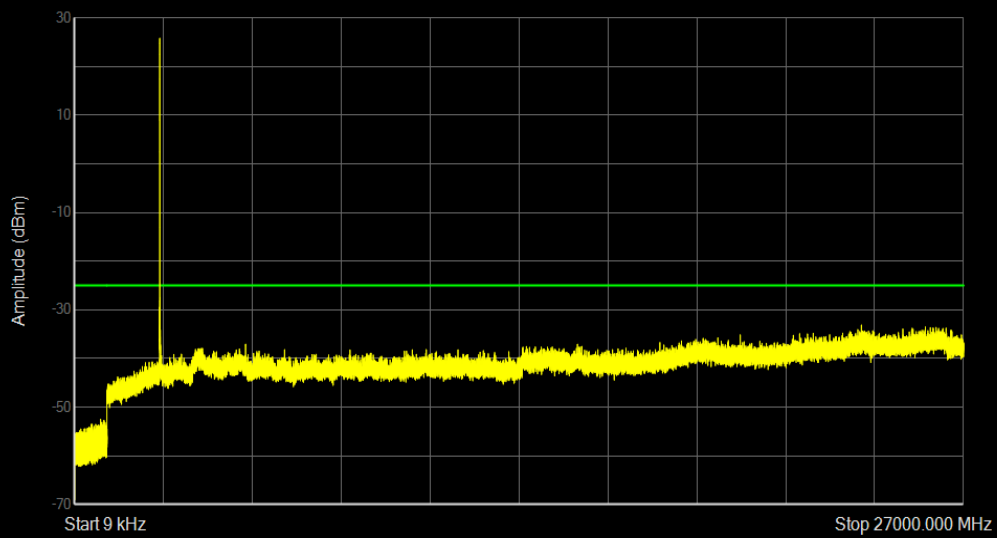


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127506	-44.59	-25
2	0.15	30	10	0.1634325	-55.62	-25
3	30	1000	100	889.63825	-52.79	-25
4	1000	27000	1000	23915.75	-32.67	-25

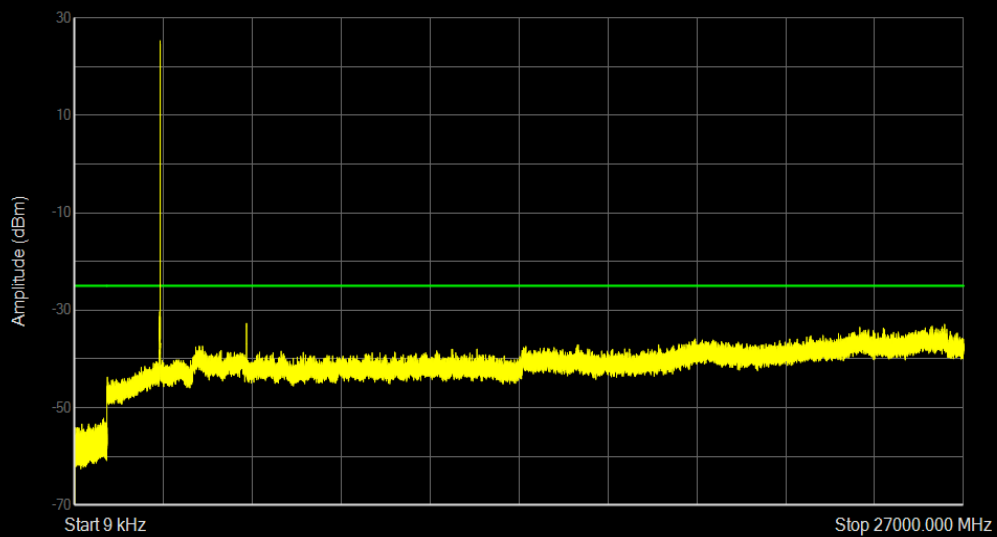
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0



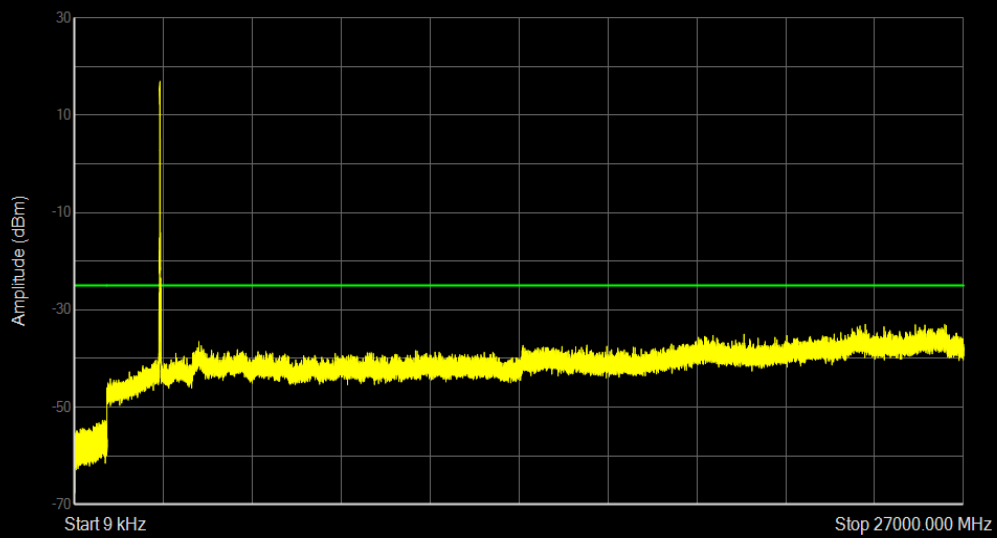
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01805925	-44.13	-25
2	0.15	30	10	0.15074625	-55	-25
3	30	1000	100	813.59025	-52.9	-25
4	1000	27000	1000	25701.95	-32.59	-25

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

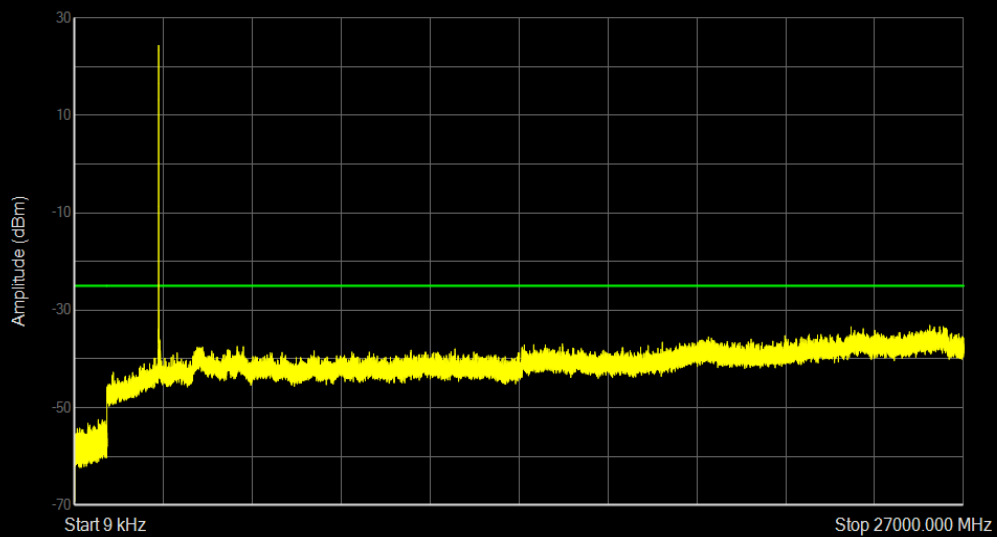
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009497025	-44.06	-25
2	0.15	30	10	0.15223875	-55.02	-25
3	30	1000	100	810.753	-52.52	-25
4	1000	27000	1000	23900.8	-33.13	-25

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	0.012993825	-43.91	-25
2	0.15	30	10	0.1634325	-54.6	-25
3	30	1000	100	902.83025	-52.17	-25
4	1000	27000	1000	5238.65	-32.7	-25

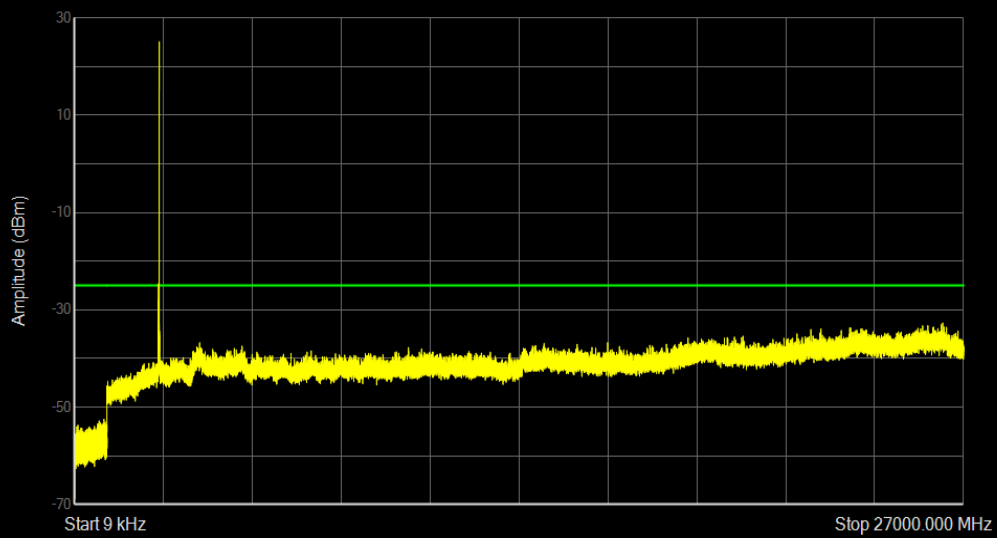
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010448775	-44.57	-25
2	0.15	30	10	0.15820875	-56.09	-25
3	30	1000	100	865.3155	-52.73	-25
4	1000	27000	1000	24019.75	-32.99	-25

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

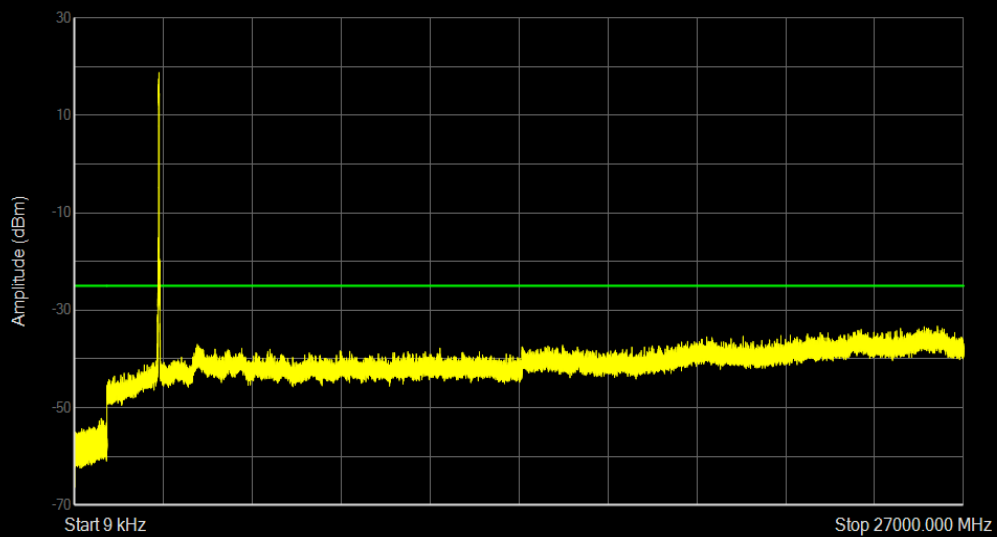
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009165675	-45.46	-25
2	0.15	30	10	0.15522375	-54.35	-25
3	30	1000	100	738.197	-52.45	-25
4	1000	27000	1000	25976.9	-33.11	-25

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

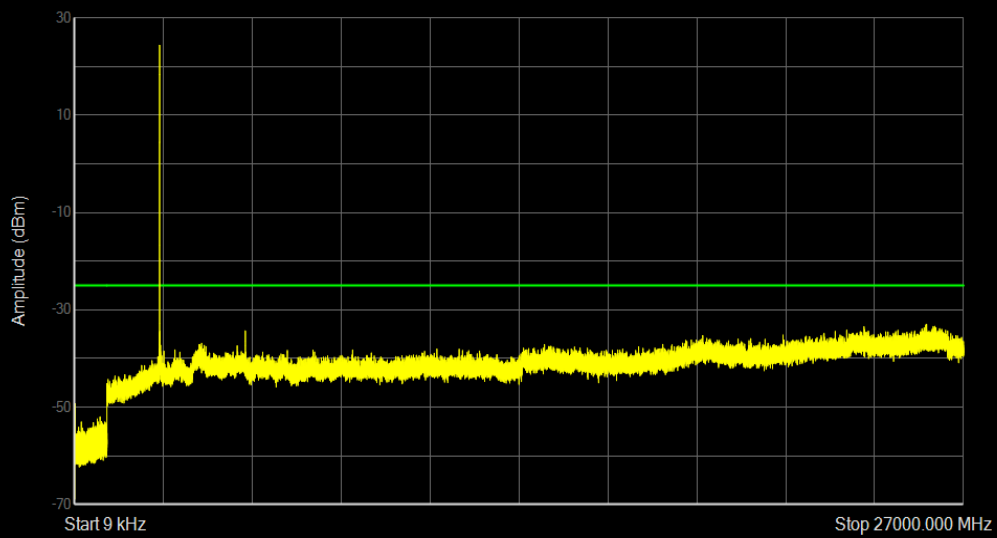


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0144144	-44.86	-25
2	0.15	30	10	0.15373125	-54.9	-25
3	30	1000	100	913.573	-52.53	-25
4	1000	27000	1000	26367.55	-32.69	-25

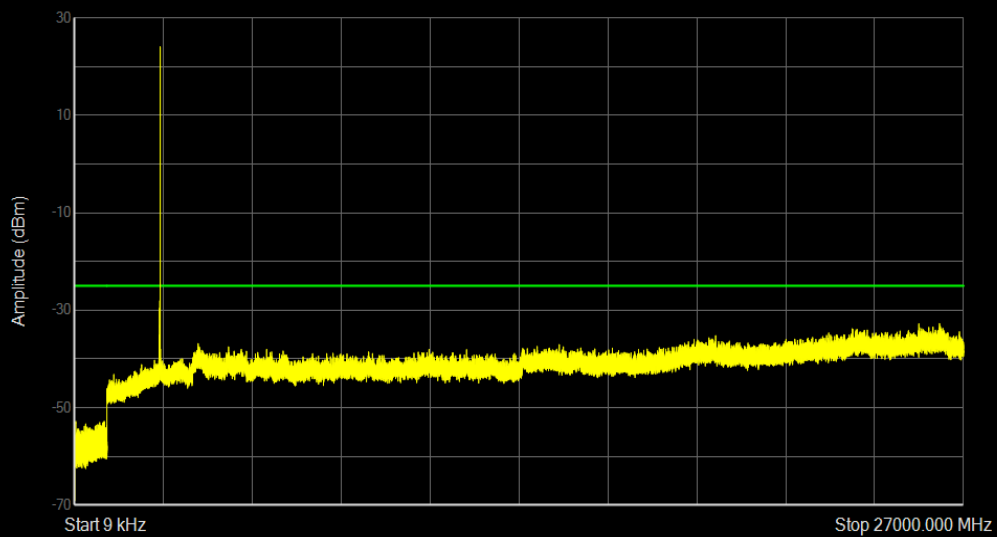
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103536	-44.69	-25
2	0.15	30	10	0.15	-53.58	-25
3	30	1000	100	831.026	-52.22	-25
4	1000	27000	1000	26206.35	-33.28	-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	0.0098601	-42.78	-25
2	0.15	30	10	0.16119375	-54.19	-25
3	30	1000	100	39.72425	-49.26	-25
4	1000	27000	1000	25878.75	-32.97	-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	0.0095076	-43.95	-25
2	0.15	30	10	0.200745	-55.4	-25
3	30	1000	100	57.71775	-52.84	-25
4	1000	27000	1000	26270.05	-32.74	-25

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

