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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)	Antenna Gain (dBd)	ERP (dBm)	Limt (dBm)	Verdict
n12	15	5	140300	1@1	DFT_BPSK	24.03	-6.31	-8.46	15.57	34.77	Pass
n12	15	5	140300	25@0	DFT_QPSK	23.05	-6.31	-8.46	14.59	34.77	Pass
n12	15	5	140300	12@6	DFT_QPSK	22.97	-6.31	-8.46	14.51	34.77	Pass
n12	15	5	140300	1@1	DFT_QPSK	23.85	-6.31	-8.46	15.39	34.77	Pass
n12	15	5	140300	1@23	DFT_QPSK	23.68	-6.31	-8.46	15.22	34.77	Pass
n12	15	5	140300	1@1	DFT_QAM16	23.03	-6.31	-8.46	14.57	34.77	Pass
n12	15	5	140300	1@1	DFT_QAM64	21.51	-6.31	-8.46	13.05	34.77	Pass
n12	15	5	140300	1@1	DFT_QAM256	19.66	-6.31	-8.46	11.20	34.77	Pass
n12	15	5	140300	1@1	CP_QPSK	22.42	-6.31	-8.46	13.96	34.77	Pass
n12	15	5	141500	1@1	DFT_BPSK	22.50	-6.31	-8.46	14.04	34.77	Pass
n12	15	5	141500	25@0	DFT_QPSK	22.17	-6.31	-8.46	13.71	34.77	Pass
n12	15	5	141500	12@6	DFT_QPSK	23.19	-6.31	-8.46	14.73	34.77	Pass
n12	15	5	141500	1@1	DFT_QPSK	23.02	-6.31	-8.46	14.56	34.77	Pass
n12	15	5	141500	1@23	DFT_QPSK	23.28	-6.31	-8.46	14.82	34.77	Pass
n12	15	5	141500	1@1	DFT_QAM16	22.11	-6.31	-8.46	13.65	34.77	Pass
n12	15	5	141500	1@1	DFT_QAM64	20.92	-6.31	-8.46	12.46	34.77	Pass
n12	15	5	141500	1@1	DFT_QAM256	18.69	-6.31	-8.46	10.23	34.77	Pass
n12	15	5	141500	1@1	CP_QPSK	21.83	-6.31	-8.46	13.37	34.77	Pass
n12	15	5	142700	1@1	DFT_BPSK	22.98	-6.31	-8.46	14.52	34.77	Pass
n12	15	5	142700	25@0	DFT_QPSK	21.50	-6.31	-8.46	13.04	34.77	Pass
n12	15	5	142700	12@6	DFT_QPSK	23.16	-6.31	-8.46	14.70	34.77	Pass
n12	15	5	142700	1@1	DFT_QPSK	23.49	-6.31	-8.46	15.03	34.77	Pass
n12	15	5	142700	1@23	DFT_QPSK	23.51	-6.31	-8.46	15.05	34.77	Pass
n12	15	5	142700	1@1	DFT_QAM16	22.01	-6.31	-8.46	13.55	34.77	Pass
n12	15	5	142700	1@1	DFT_QAM64	20.37	-6.31	-8.46	11.91	34.77	Pass
n12	15	5	142700	1@1	DFT_QAM256	18.66	-6.31	-8.46	10.20	34.77	Pass
n12	15	5	142700	1@1	CP_QPSK	21.81	-6.31	-8.46	13.35	34.77	Pass
n12	15	10	140800	1@1	DFT_BPSK	23.22	-6.31	-8.46	14.76	34.77	Pass
n12	15	10	140800	50@0	DFT_QPSK	22.19	-6.31	-8.46	13.73	34.77	Pass
n12	15	10	140800	25@12	DFT_QPSK	22.54	-6.31	-8.46	14.08	34.77	Pass
n12	15	10	140800	1@1	DFT_QPSK	23.16	-6.31	-8.46	14.70	34.77	Pass
n12	15	10	140800	1@50	DFT_QPSK	23.18	-6.31	-8.46	14.72	34.77	Pass
n12	15	10	140800	1@1	DFT_QAM16	21.01	-6.31	-8.46	12.55	34.77	Pass
n12	15	10	140800	1@1	DFT_QAM64	20.63	-6.31	-8.46	12.17	34.77	Pass
n12	15	10	140800	1@1	DFT_QAM256	18.32	-6.31	-8.46	9.86	34.77	Pass
n12	15	10	140800	1@1	CP_QPSK	21.93	-6.31	-8.46	13.47	34.77	Pass
n12	15	10	141500	1@1	DFT_BPSK	22.95	-6.31	-8.46	14.49	34.77	Pass

n12	15	10	141500	50@0	DFT_QPSK	21.62	-6.31	-8.46	13.16	34.77	Pass
n12	15	10	141500	25@12	DFT_QPSK	23.18	-6.31	-8.46	14.72	34.77	Pass
n12	15	10	141500	1@1	DFT_QPSK	22.98	-6.31	-8.46	14.52	34.77	Pass
n12	15	10	141500	1@50	DFT_QPSK	22.95	-6.31	-8.46	14.49	34.77	Pass
n12	15	10	141500	1@1	DFT_QAM16	22.43	-6.31	-8.46	13.97	34.77	Pass
n12	15	10	141500	1@1	DFT_QAM64	21.08	-6.31	-8.46	12.62	34.77	Pass
n12	15	10	141500	1@1	DFT_QAM256	18.29	-6.31	-8.46	9.83	34.77	Pass
n12	15	10	141500	1@1	CP_QPSK	21.47	-6.31	-8.46	13.01	34.77	Pass
n12	15	10	142200	1@1	DFT_BPSK	22.13	-6.31	-8.46	13.67	34.77	Pass
n12	15	10	142200	50@0	DFT_QPSK	22.14	-6.31	-8.46	13.68	34.77	Pass
n12	15	10	142200	25@12	DFT_QPSK	23.15	-6.31	-8.46	14.69	34.77	Pass
n12	15	10	142200	1@1	DFT_QPSK	22.17	-6.31	-8.46	13.71	34.77	Pass
n12	15	10	142200	1@50	DFT_QPSK	23.11	-6.31	-8.46	14.65	34.77	Pass
n12	15	10	142200	1@1	DFT_QAM16	22.22	-6.31	-8.46	13.76	34.77	Pass
n12	15	10	142200	1@1	DFT_QAM64	19.42	-6.31	-8.46	10.96	34.77	Pass
n12	15	10	142200	1@1	DFT_QAM256	18.76	-6.31	-8.46	10.30	34.77	Pass
n12	15	10	142200	1@1	CP_QPSK	20.90	-6.31	-8.46	12.44	34.77	Pass
n12	15	15	141300	1@1	DFT_BPSK	23.13	-6.31	-8.46	14.67	34.77	Pass
n12	15	15	141300	75@0	DFT_QPSK	22.19	-6.31	-8.46	13.73	34.77	Pass
n12	15	15	141300	36@18	DFT_QPSK	23.20	-6.31	-8.46	14.74	34.77	Pass
n12	15	15	141300	1@1	DFT_QPSK	22.43	-6.31	-8.46	13.97	34.77	Pass
n12	15	15	141300	1@77	DFT_QPSK	23.14	-6.31	-8.46	14.68	34.77	Pass
n12	15	15	141300	1@1	DFT_QAM16	21.61	-6.31	-8.46	13.15	34.77	Pass
n12	15	15	141300	1@1	DFT_QAM64	21.48	-6.31	-8.46	13.02	34.77	Pass
n12	15	15	141300	1@1	DFT_QAM256	18.31	-6.31	-8.46	9.85	34.77	Pass
n12	15	15	141300	1@1	CP_QPSK	20.59	-6.31	-8.46	12.13	34.77	Pass
n12	15	15	141500	1@1	DFT_BPSK	23.16	-6.31	-8.46	14.70	34.77	Pass
n12	15	15	141500	75@0	DFT_QPSK	22.22	-6.31	-8.46	13.76	34.77	Pass
n12	15	15	141500	36@18	DFT_QPSK	23.20	-6.31	-8.46	14.74	34.77	Pass
n12	15	15	141500	1@1	DFT_QPSK	23.32	-6.31	-8.46	14.86	34.77	Pass
n12	15	15	141500	1@77	DFT_QPSK	23.27	-6.31	-8.46	14.81	34.77	Pass
n12	15	15	141500	1@1	DFT_QAM16	21.73	-6.31	-8.46	13.27	34.77	Pass
n12	15	15	141500	1@1	DFT_QAM64	21.10	-6.31	-8.46	12.64	34.77	Pass
n12	15	15	141500	1@1	DFT_QAM256	18.72	-6.31	-8.46	10.26	34.77	Pass
n12	15	15	141500	1@1	CP_QPSK	21.87	-6.31	-8.46	13.41	34.77	Pass
n12	15	15	141700	1@1	DFT_BPSK	22.99	-6.31	-8.46	14.53	34.77	Pass
n12	15	15	141700	75@0	DFT_QPSK	22.20	-6.31	-8.46	13.74	34.77	Pass
n12	15	15	141700	36@18	DFT_QPSK	23.10	-6.31	-8.46	14.64	34.77	Pass
n12	15	15	141700	1@1	DFT_QPSK	22.85	-6.31	-8.46	14.39	34.77	Pass
n12	15	15	141700	1@77	DFT_QPSK	22.75	-6.31	-8.46	14.29	34.77	Pass
n12	15	15	141700	1@1	DFT_QAM16	21.51	-6.31	-8.46	13.05	34.77	Pass
n12	15	15	141700	1@1	DFT_QAM64	20.66	-6.31	-8.46	12.20	34.77	Pass
n12	15	15	141700	1@1	DFT_QAM256	18.27	-6.31	-8.46	9.81	34.77	Pass
n12	15	15	141700	1@1	CP_QPSK	21.15	-6.31	-8.46	12.69	34.77	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
n12	15	5	140300	12@6	DFT_BPSK	-1.48	-0.00211	-2.5	2.5	PASS
n12	15	5	140300	1@1	DFT_BPSK	-1.89	-0.00269	-2.5	2.5	PASS
n12	15	5	140300	1@23	DFT_BPSK	-0.13	-0.00019	-2.5	2.5	PASS
n12	15	5	140300	12@6	DFT_QPSK	-3.06	-0.00436	-2.5	2.5	PASS
n12	15	5	140300	1@1	DFT_QPSK	-1.08	-0.00154	-2.5	2.5	PASS
n12	15	5	140300	1@23	DFT_QPSK	-1.44	-0.00205	-2.5	2.5	PASS
n12	15	5	141500	12@6	DFT_BPSK	-1.74	-0.00246	-2.5	2.5	PASS
n12	15	5	141500	1@1	DFT_BPSK	-3.30	-0.00466	-2.5	2.5	PASS
n12	15	5	141500	1@23	DFT_BPSK	-1.81	-0.00256	-2.5	2.5	PASS
n12	15	5	141500	12@6	DFT_QPSK	-3.30	-0.00466	-2.5	2.5	PASS
n12	15	5	141500	1@1	DFT_QPSK	-2.10	-0.00297	-2.5	2.5	PASS
n12	15	5	141500	1@23	DFT_QPSK	-3.47	-0.00490	-2.5	2.5	PASS
n12	15	5	142700	12@6	DFT_BPSK	-1.82	-0.00255	-2.5	2.5	PASS
n12	15	5	142700	1@1	DFT_BPSK	-2.62	-0.00367	-2.5	2.5	PASS
n12	15	5	142700	1@23	DFT_BPSK	-3.75	-0.00526	-2.5	2.5	PASS
n12	15	5	142700	12@6	DFT_QPSK	-2.54	-0.00356	-2.5	2.5	PASS
n12	15	5	142700	1@1	DFT_QPSK	-3.78	-0.00530	-2.5	2.5	PASS
n12	15	5	142700	1@23	DFT_QPSK	-3.35	-0.00470	-2.5	2.5	PASS
n12	15	10	140800	25@12	DFT_BPSK	-4.18	-0.00594	-2.5	2.5	PASS
n12	15	10	140800	1@1	DFT_BPSK	-2.64	-0.00375	-2.5	2.5	PASS
n12	15	10	140800	1@50	DFT_BPSK	-3.17	-0.00450	-2.5	2.5	PASS
n12	15	10	140800	25@12	DFT_QPSK	-2.23	-0.00317	-2.5	2.5	PASS
n12	15	10	140800	1@1	DFT_QPSK	-2.36	-0.00335	-2.5	2.5	PASS
n12	15	10	140800	1@50	DFT_QPSK	-1.36	-0.00193	-2.5	2.5	PASS
n12	15	10	141500	25@12	DFT_BPSK	-4.36	-0.00616	-2.5	2.5	PASS
n12	15	10	141500	1@1	DFT_BPSK	-3.34	-0.00472	-2.5	2.5	PASS
n12	15	10	141500	1@50	DFT_BPSK	-2.78	-0.00393	-2.5	2.5	PASS
n12	15	10	141500	25@12	DFT_QPSK	-2.50	-0.00353	-2.5	2.5	PASS
n12	15	10	141500	1@1	DFT_QPSK	-5.36	-0.00758	-2.5	2.5	PASS
n12	15	10	141500	1@50	DFT_QPSK	-3.07	-0.00434	-2.5	2.5	PASS
n12	15	10	142200	25@12	DFT_BPSK	-0.87	-0.00122	-2.5	2.5	PASS
n12	15	10	142200	1@1	DFT_BPSK	-2.64	-0.00371	-2.5	2.5	PASS
n12	15	10	142200	1@50	DFT_BPSK	-1.41	-0.00198	-2.5	2.5	PASS
n12	15	10	142200	25@12	DFT_QPSK	-2.16	-0.00304	-2.5	2.5	PASS
n12	15	10	142200	1@1	DFT_QPSK	-2.68	-0.00377	-2.5	2.5	PASS
n12	15	10	142200	1@50	DFT_QPSK	-1.82	-0.00256	-2.5	2.5	PASS
n12	15	15	141300	36@18	DFT_BPSK	-4.66	-0.00660	-2.5	2.5	PASS
n12	15	15	141300	1@1	DFT_BPSK	-3.66	-0.00518	-2.5	2.5	PASS

n12	15	15	141300	1@77	DFT_BPSK	-2.73	-0.00386	-2.5	2.5	PASS
n12	15	15	141300	36@18	DFT_QPSK	-2.13	-0.00301	-2.5	2.5	PASS
n12	15	15	141300	1@1	DFT_QPSK	-3.53	-0.00500	-2.5	2.5	PASS
n12	15	15	141300	1@77	DFT_QPSK	-2.12	-0.00300	-2.5	2.5	PASS
n12	15	15	141500	36@18	DFT_BPSK	-2.13	-0.00301	-2.5	2.5	PASS
n12	15	15	141500	1@1	DFT_BPSK	-1.69	-0.00239	-2.5	2.5	PASS
n12	15	15	141500	1@77	DFT_BPSK	-4.42	-0.00625	-2.5	2.5	PASS
n12	15	15	141500	36@18	DFT_QPSK	-3.82	-0.00540	-2.5	2.5	PASS
n12	15	15	141500	1@1	DFT_QPSK	-2.95	-0.00417	-2.5	2.5	PASS
n12	15	15	141500	1@77	DFT_QPSK	-3.79	-0.00536	-2.5	2.5	PASS
n12	15	15	141700	36@18	DFT_BPSK	-2.26	-0.00319	-2.5	2.5	PASS
n12	15	15	141700	1@1	DFT_BPSK	-3.26	-0.00460	-2.5	2.5	PASS
n12	15	15	141700	1@77	DFT_BPSK	-3.39	-0.00478	-2.5	2.5	PASS
n12	15	15	141700	36@18	DFT_QPSK	-3.33	-0.00470	-2.5	2.5	PASS
n12	15	15	141700	1@1	DFT_QPSK	-1.08	-0.00152	-2.5	2.5	PASS
n12	15	15	141700	1@77	DFT_QPSK	-2.45	-0.00346	-2.5	2.5	PASS

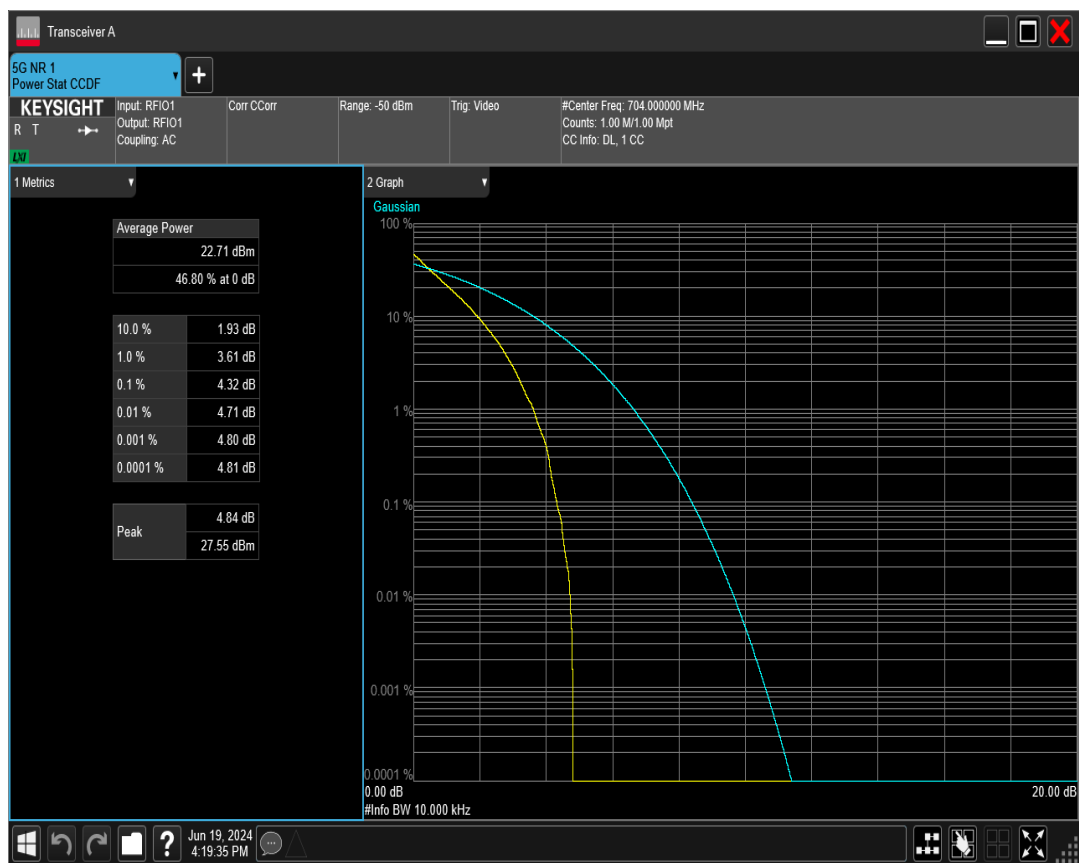
Note: (Voltage: 3.78V, Temperature: 25°C) only reflect the worst mode.

3 Peak-to-Average Ratio for NR FR1

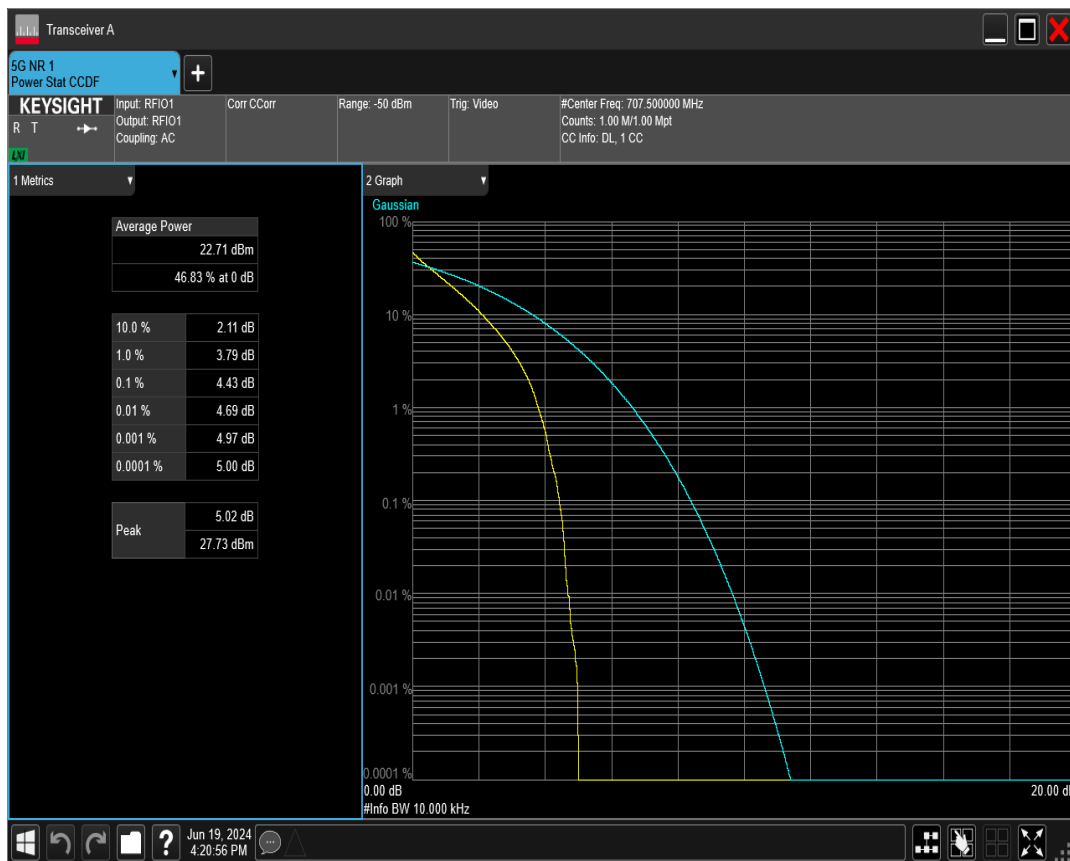
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n12	15	5	140300	25@0	DFT_BPSK	4.79	13	PASS
n12	15	5	140300	25@0	DFT_QPSK	5.20	13	PASS
n12	15	5	140300	25@0	DFT_QAM16	5.92	13	PASS
n12	15	5	140300	25@0	DFT_QAM64	6.43	13	PASS
n12	15	5	140300	25@0	DFT_QAM256	7.20	13	PASS
n12	15	5	141500	25@0	DFT_BPSK	4.27	13	PASS
n12	15	5	141500	25@0	DFT_QPSK	4.99	13	PASS
n12	15	5	141500	25@0	DFT_QAM16	5.87	13	PASS
n12	15	5	141500	25@0	DFT_QAM64	6.27	13	PASS
n12	15	5	141500	25@0	DFT_QAM256	7.19	13	PASS
n12	15	5	142700	25@0	DFT_BPSK	4.08	13	PASS
n12	15	5	142700	25@0	DFT_QPSK	5.20	13	PASS
n12	15	5	142700	25@0	DFT_QAM16	5.91	13	PASS
n12	15	5	142700	25@0	DFT_QAM64	6.25	13	PASS
n12	15	5	142700	25@0	DFT_QAM256	7.29	13	PASS
n12	15	10	140800	50@0	DFT_BPSK	4.32	13	PASS
n12	15	10	140800	50@0	DFT_QPSK	5.22	13	PASS
n12	15	10	140800	50@0	DFT_QAM16	6.01	13	PASS
n12	15	10	140800	50@0	DFT_QAM64	6.37	13	PASS
n12	15	10	140800	50@0	DFT_QAM256	7.03	13	PASS
n12	15	10	141500	50@0	DFT_BPSK	4.43	13	PASS
n12	15	10	141500	50@0	DFT_QPSK	5.16	13	PASS
n12	15	10	141500	50@0	DFT_QAM16	6.02	13	PASS
n12	15	10	141500	50@0	DFT_QAM64	6.43	13	PASS
n12	15	10	141500	50@0	DFT_QAM256	7.16	13	PASS
n12	15	10	142200	50@0	DFT_BPSK	4.13	13	PASS
n12	15	10	142200	50@0	DFT_QPSK	5.20	13	PASS
n12	15	10	142200	50@0	DFT_QAM16	6.11	13	PASS
n12	15	10	142200	50@0	DFT_QAM64	6.37	13	PASS
n12	15	10	142200	50@0	DFT_QAM256	6.99	13	PASS
n12	15	15	141300	75@0	DFT_BPSK	4.34	13	PASS
n12	15	15	141300	75@0	DFT_QPSK	5.30	13	PASS
n12	15	15	141300	75@0	DFT_QAM16	6.16	13	PASS
n12	15	15	141300	75@0	DFT_QAM64	6.41	13	PASS
n12	15	15	141300	75@0	DFT_QAM256	7.10	13	PASS
n12	15	15	141500	75@0	DFT_BPSK	4.67	13	PASS
n12	15	15	141500	75@0	DFT_QPSK	5.24	13	PASS
n12	15	15	141500	75@0	DFT_QAM16	6.08	13	PASS
n12	15	15	141500	75@0	DFT_QAM64	6.38	13	PASS
n12	15	15	141500	75@0	DFT_QAM256	6.88	13	PASS

n12	15	15	141700	75@0	DFT_BPSK	4.27	13	PASS
n12	15	15	141700	75@0	DFT_QPSK	5.19	13	PASS
n12	15	15	141700	75@0	DFT_QAM16	6.16	13	PASS
n12	15	15	141700	75@0	DFT_QAM64	6.49	13	PASS
n12	15	15	141700	75@0	DFT_QAM256	6.97	13	PASS

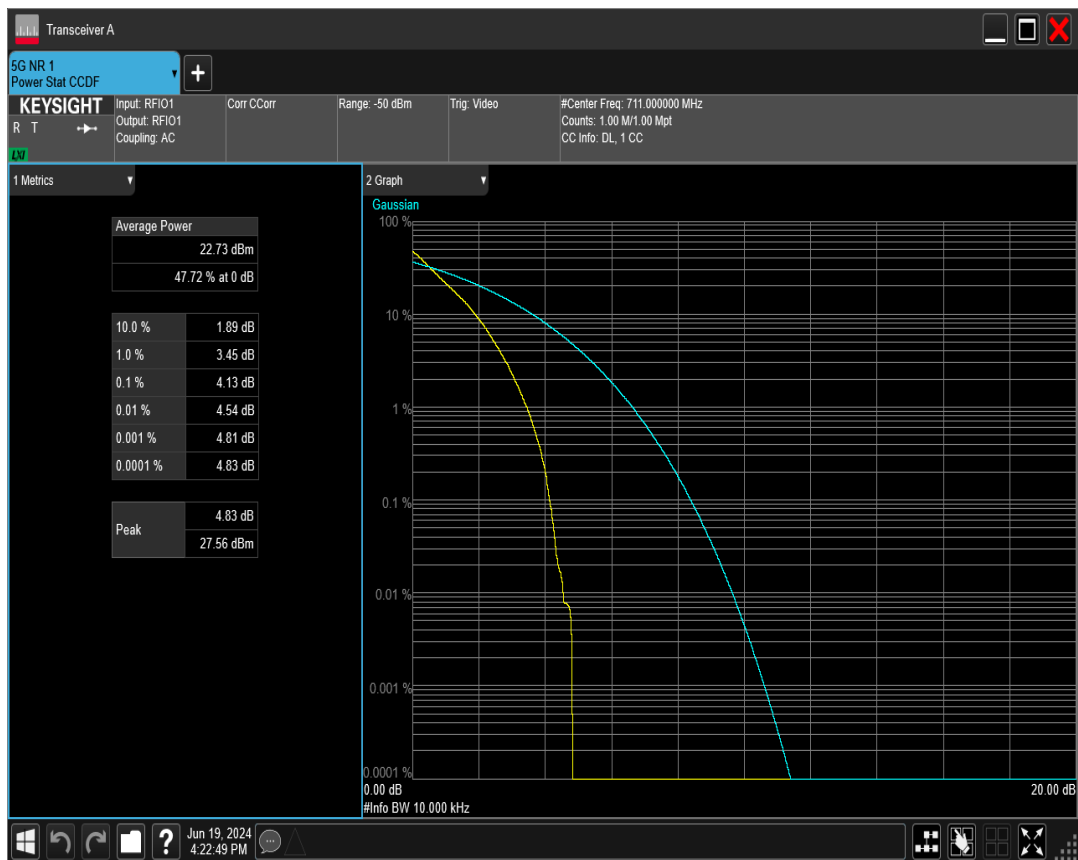
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=140800 RB=50@0



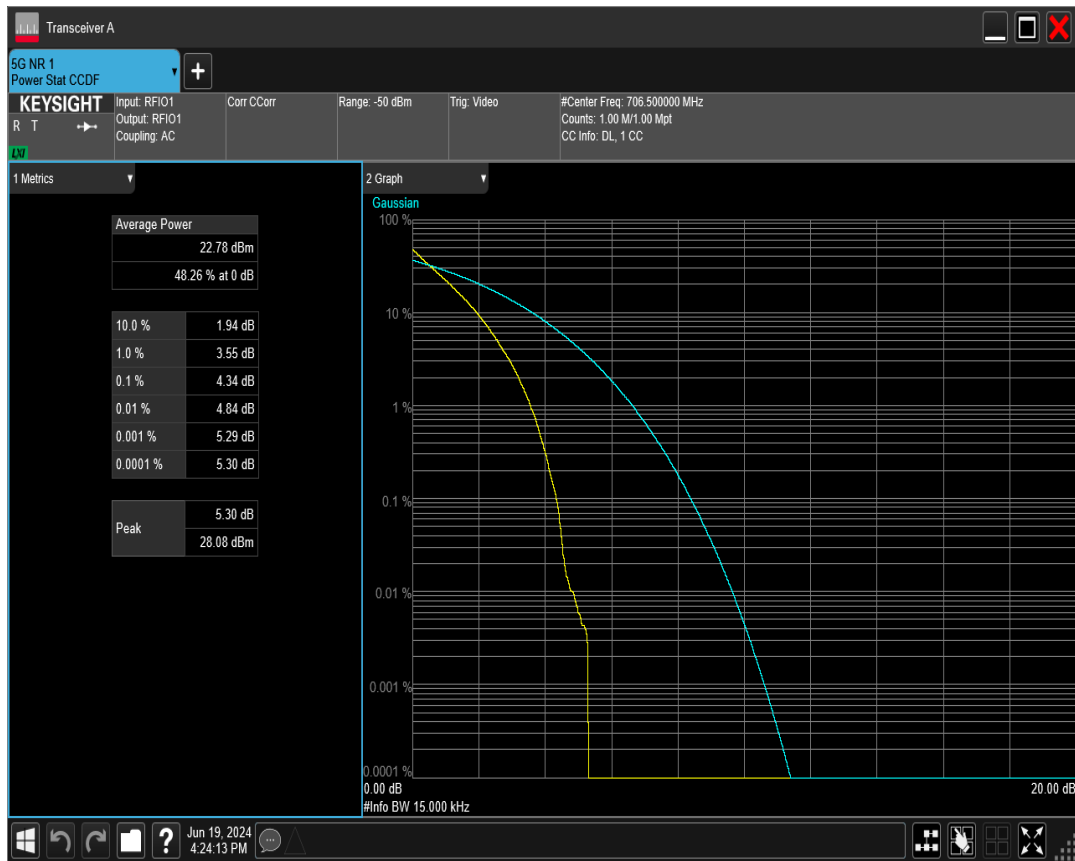
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=141500 RB=50@0



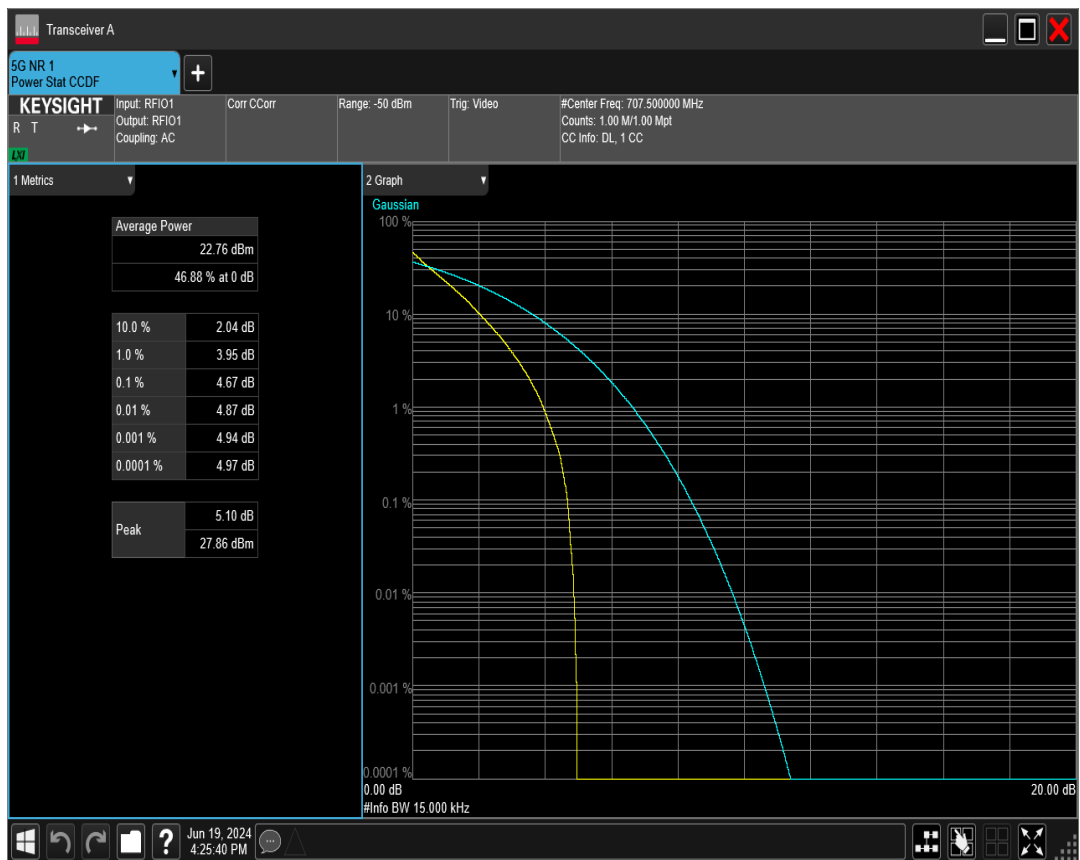
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=142200 RB=50@0



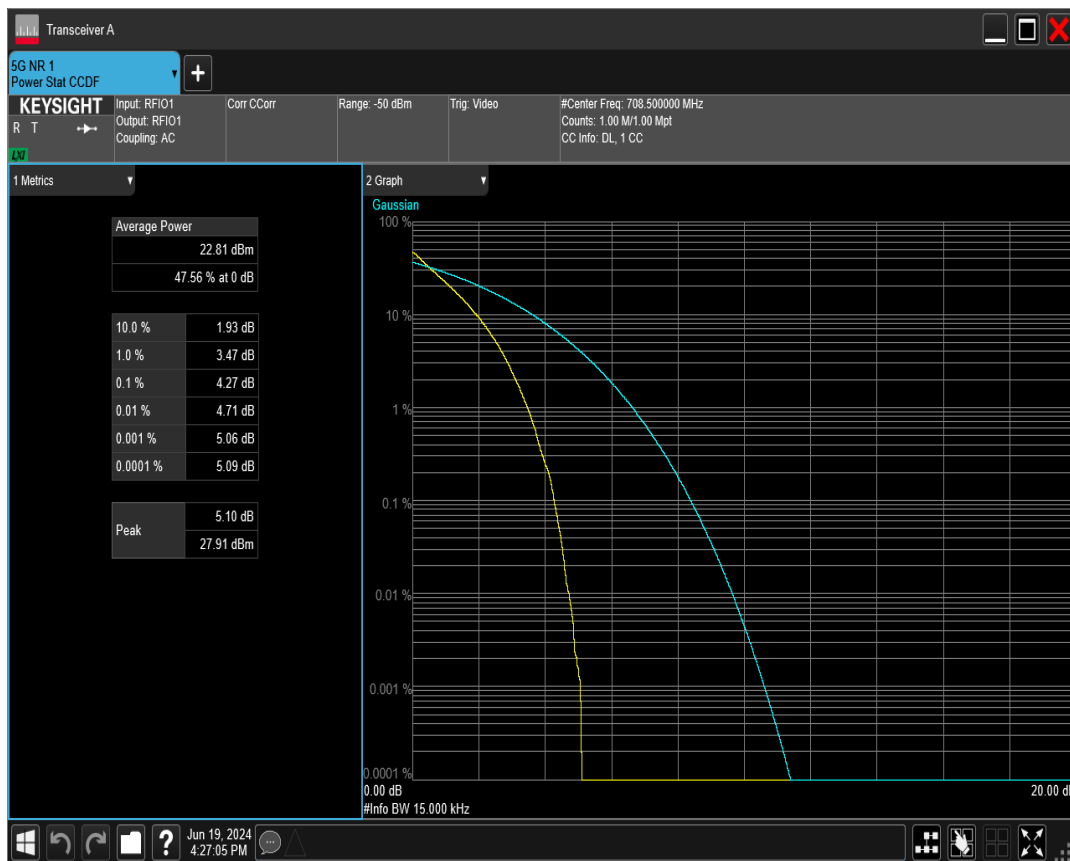
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141300 RB=75@0



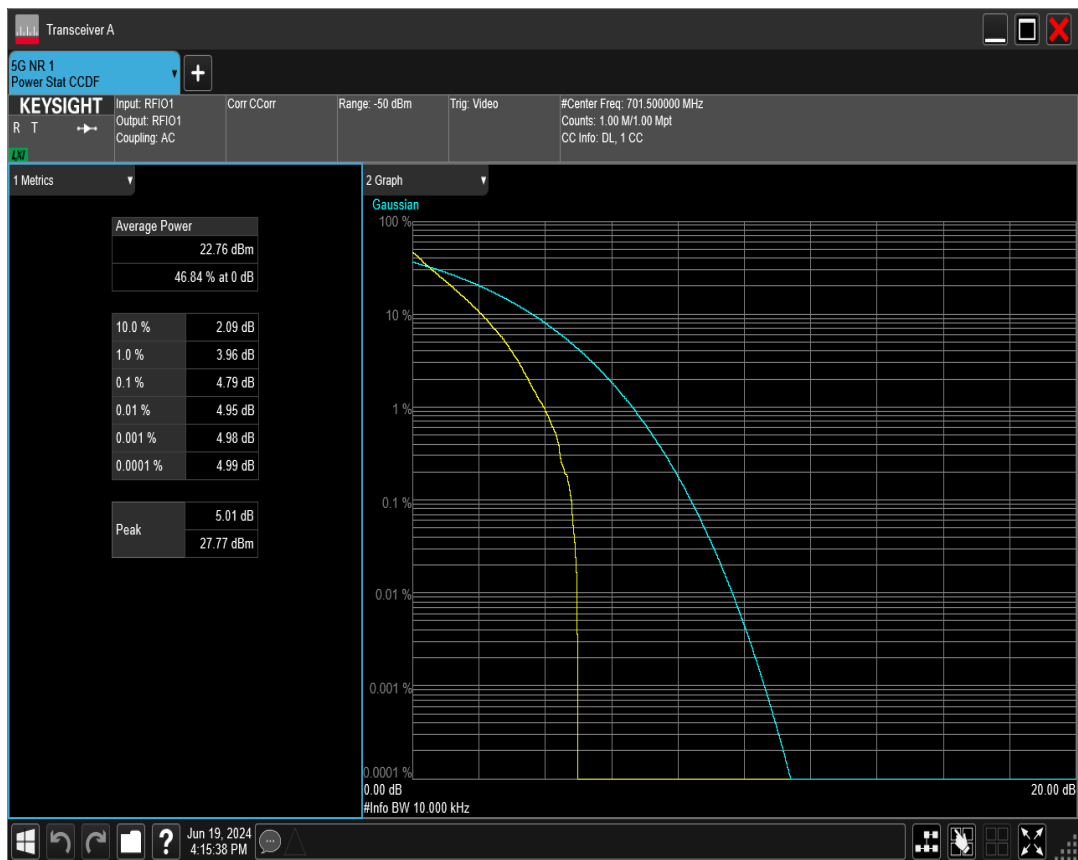
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141500 RB=75@0



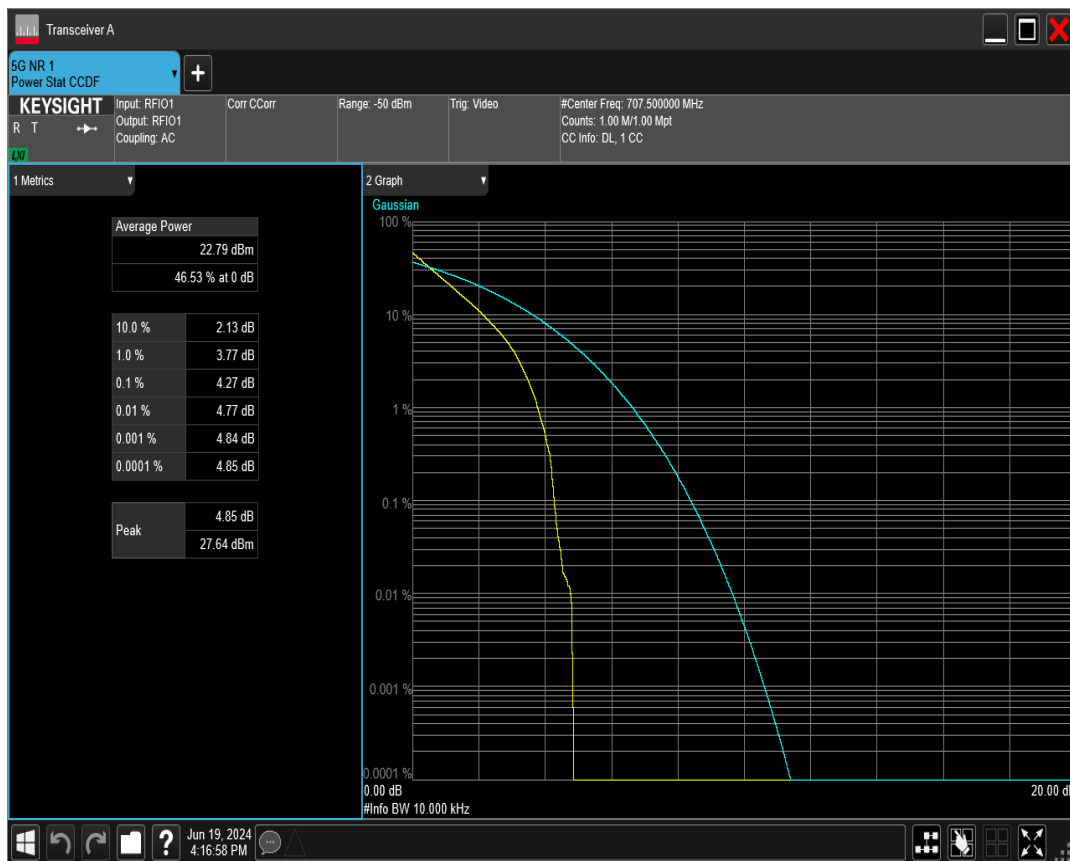
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141700 RB=75@0



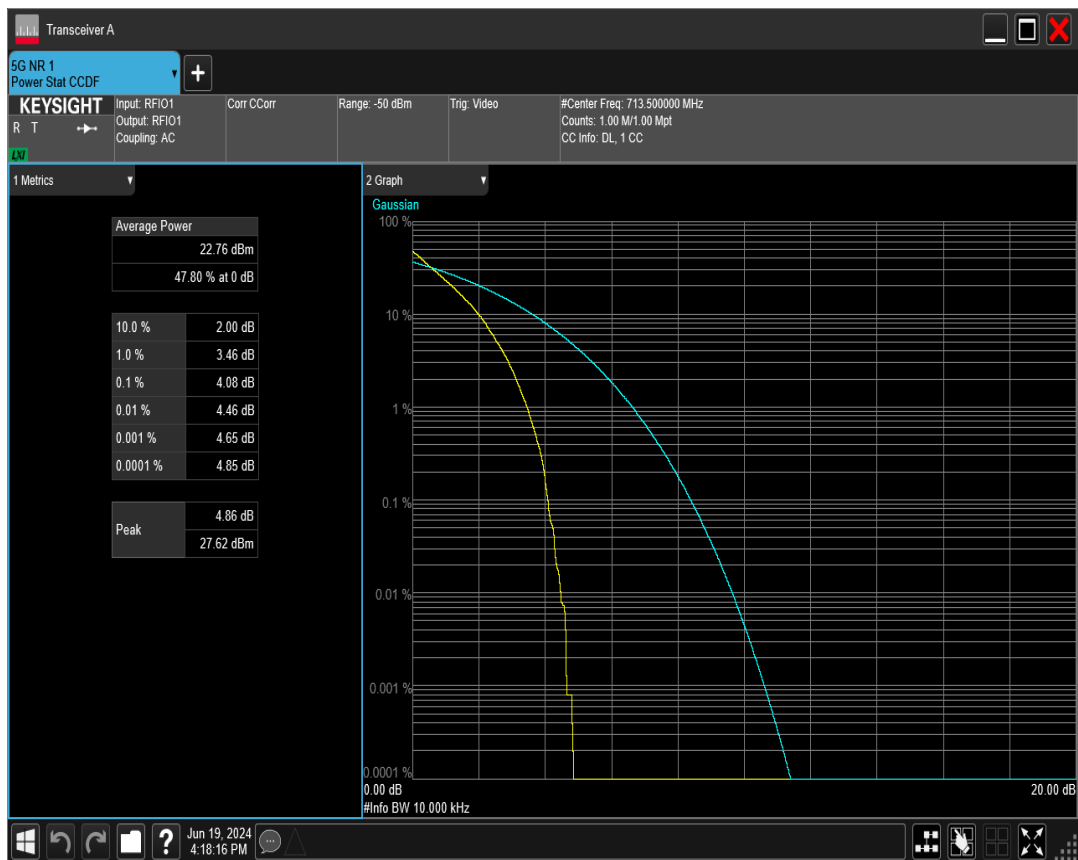
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=140300 RB=25@0



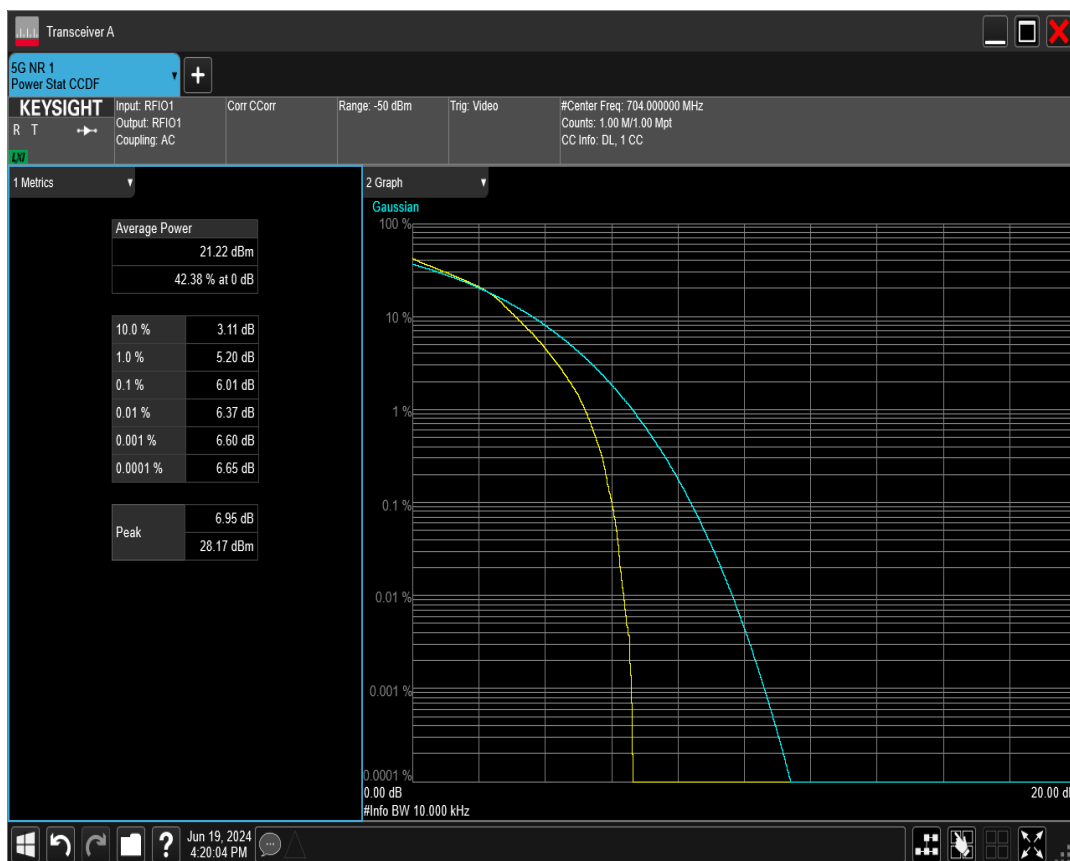
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



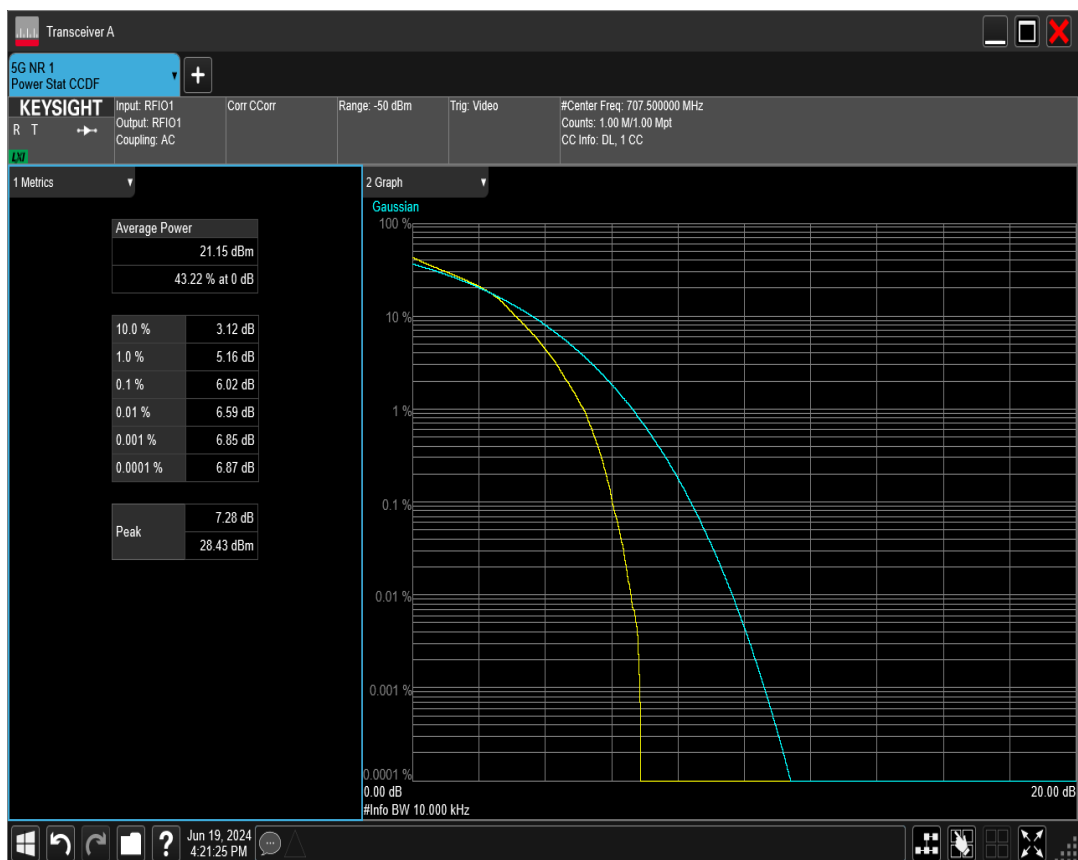
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=142700 RB=25@0



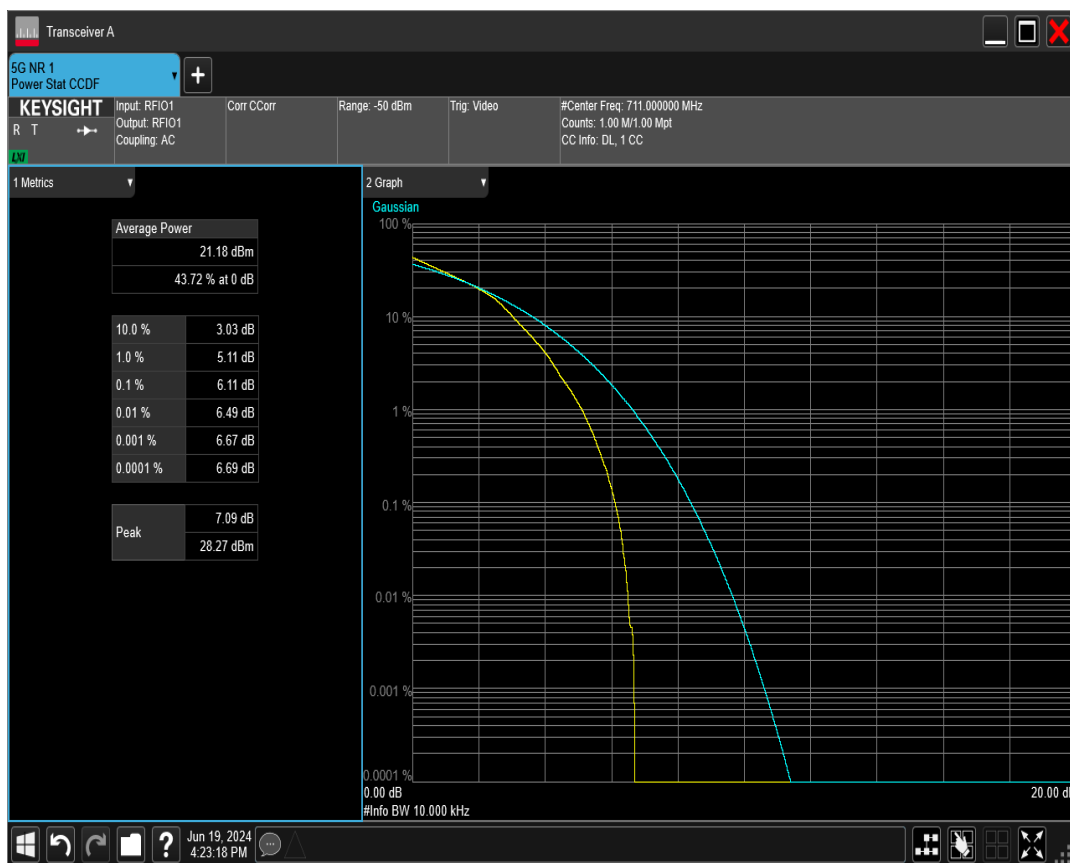
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=140800 RB=50@0



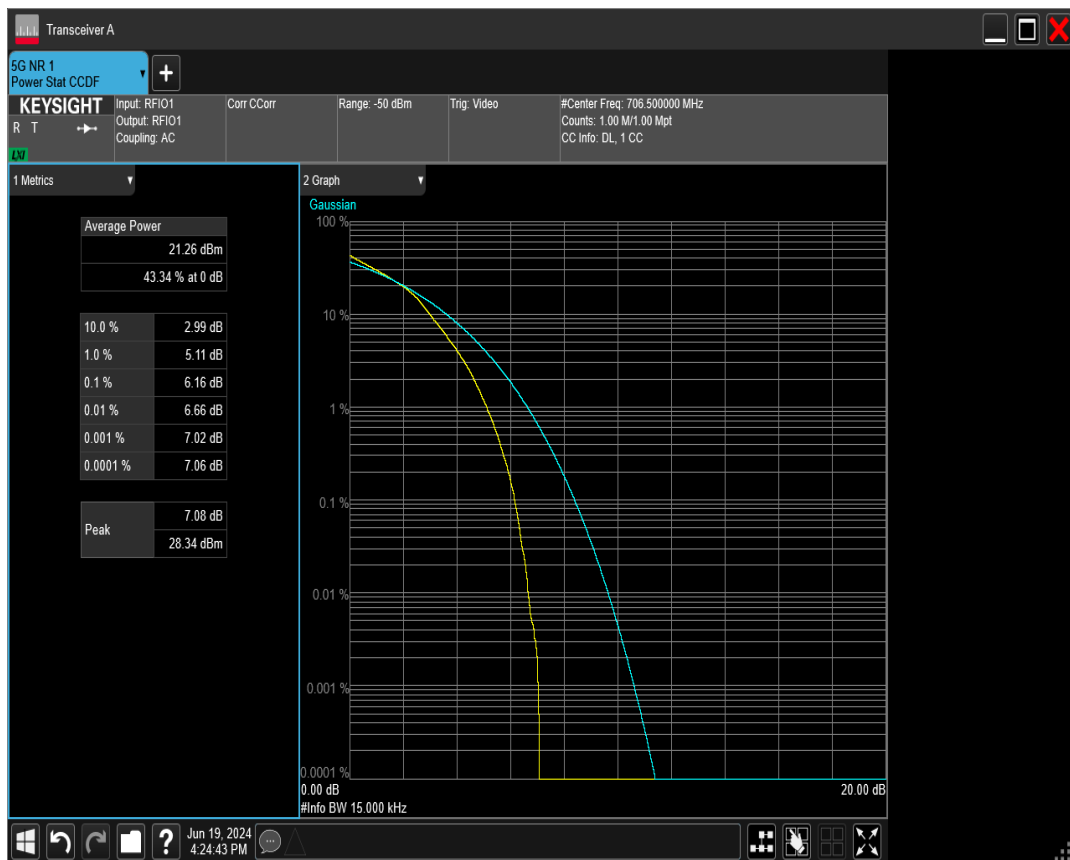
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=141500 RB=50@0



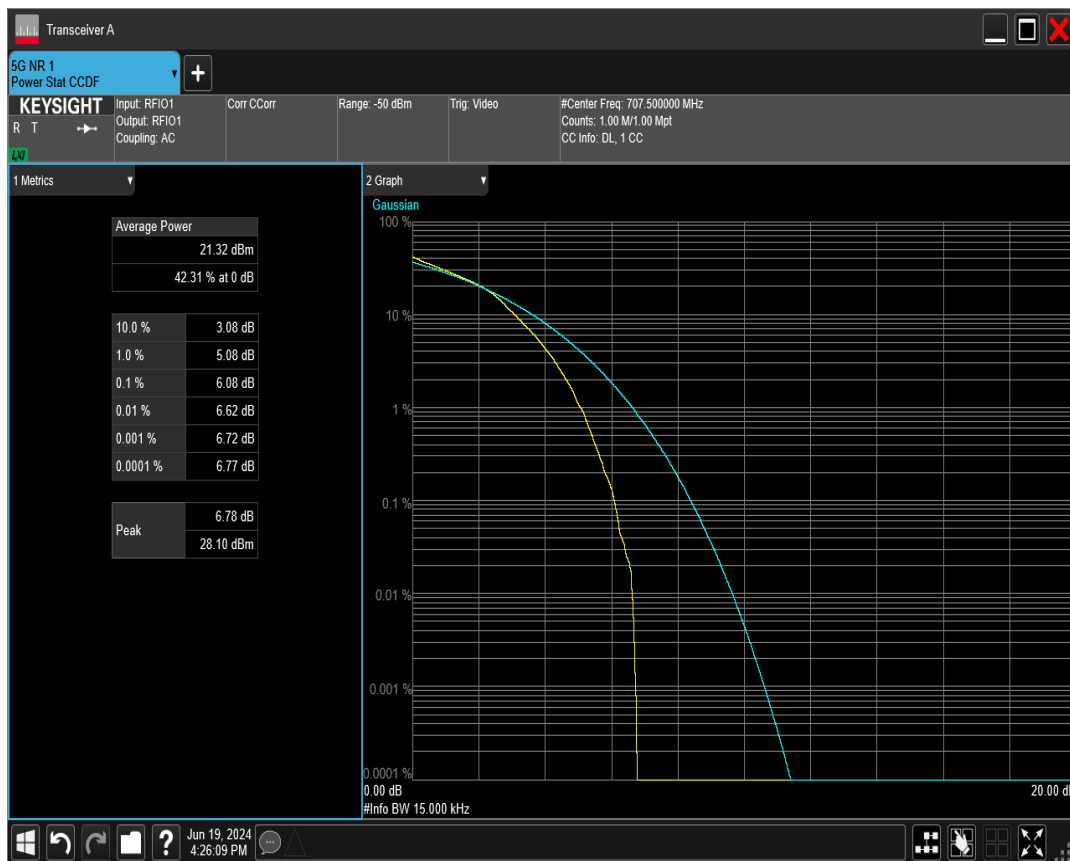
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=142200 RB=50@0



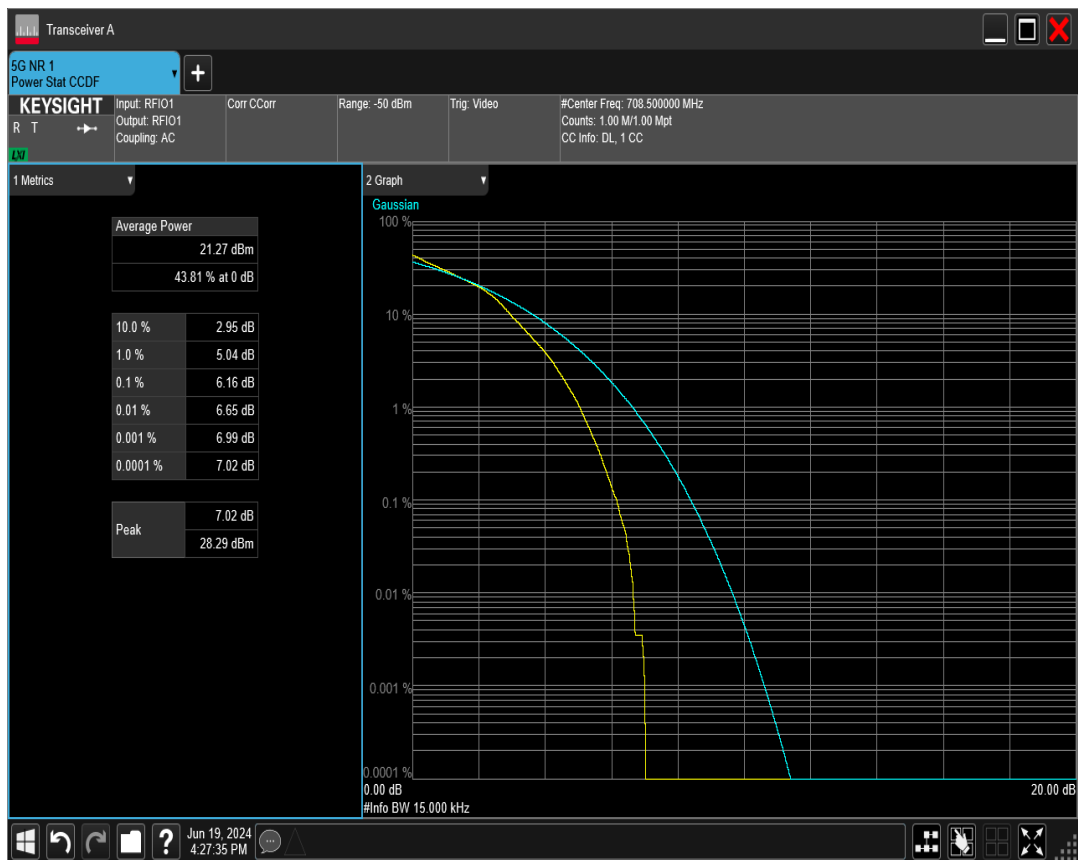
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141300 RB=75@0



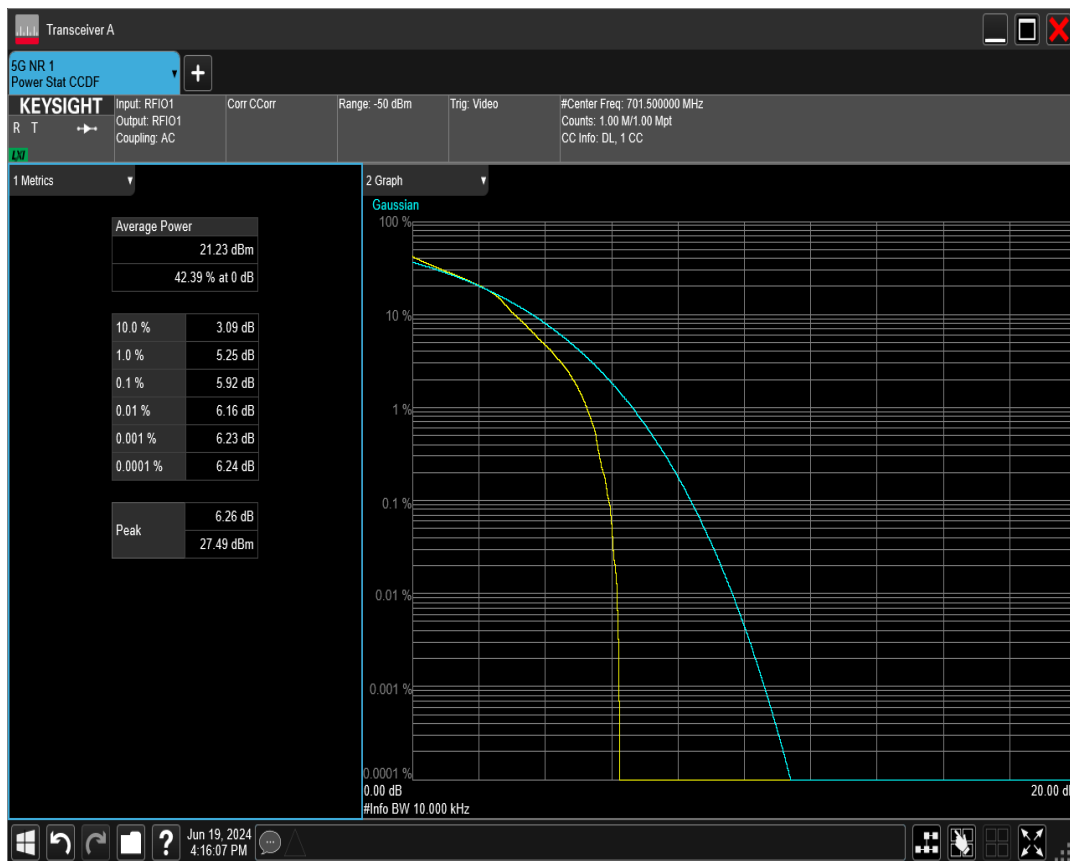
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141500 RB=75@0



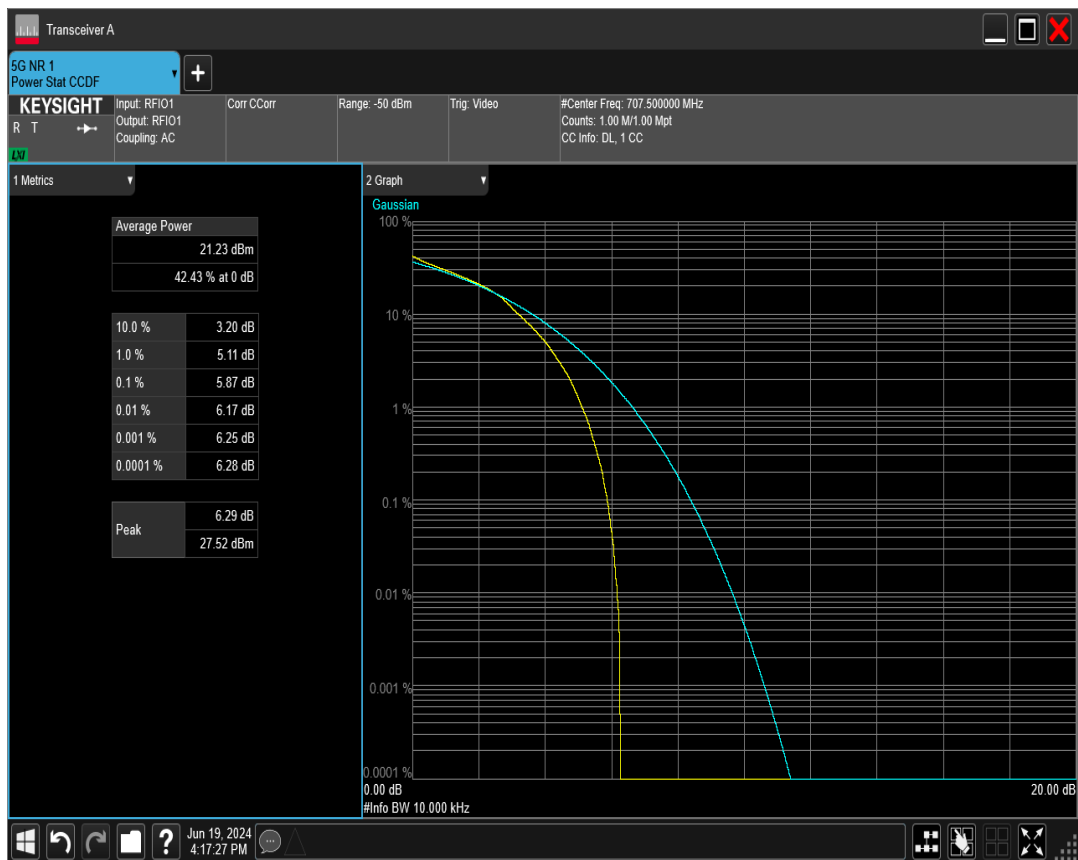
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141700 RB=75@0



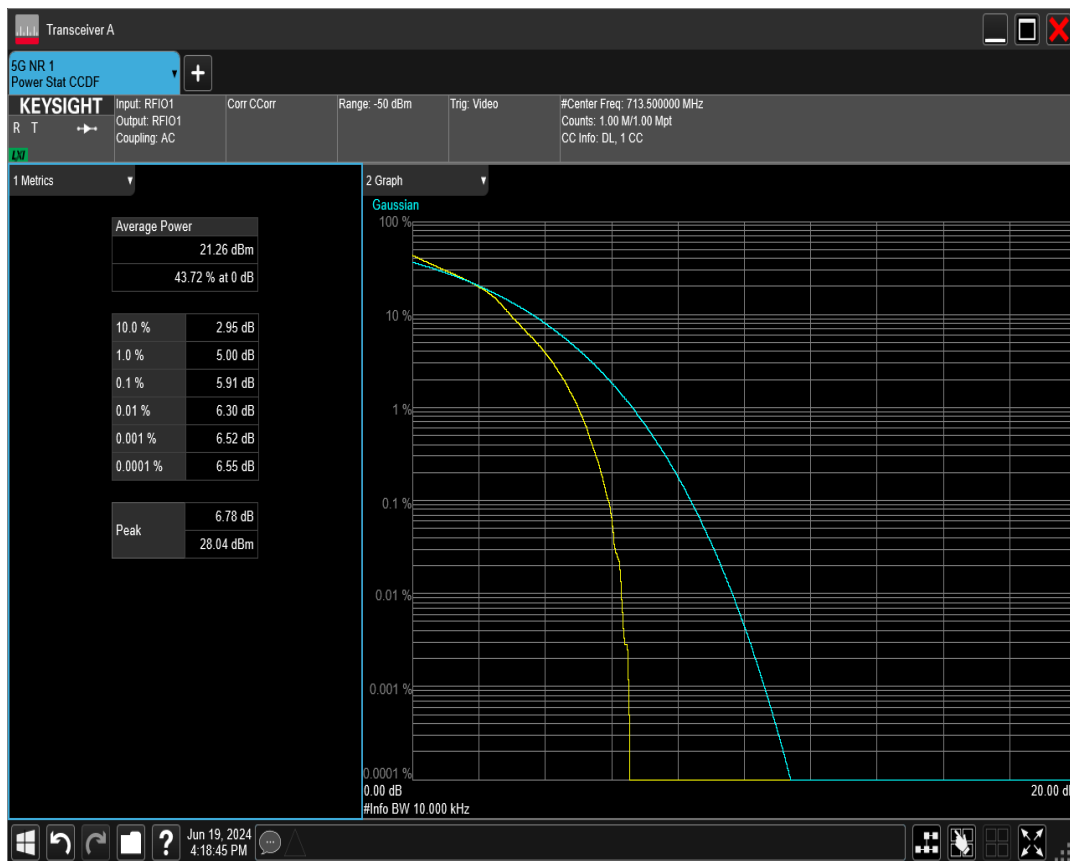
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=140300 RB=25@0



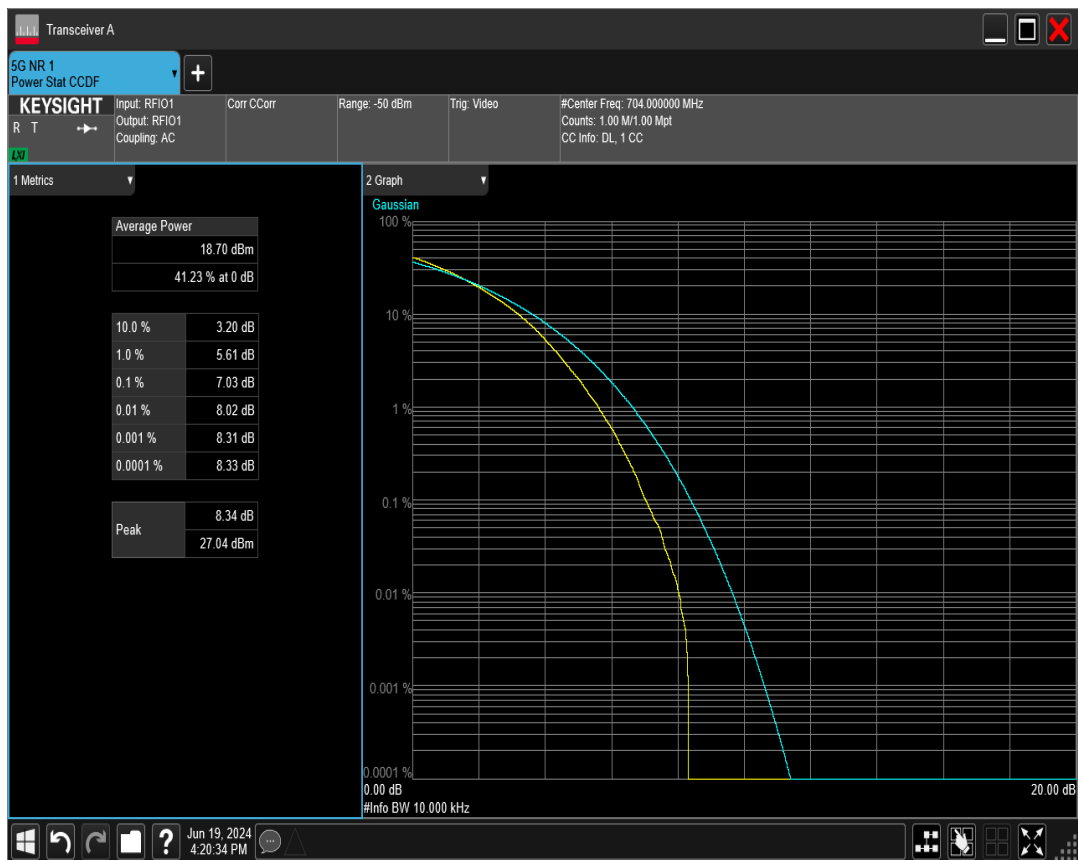
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=141500 RB=25@0



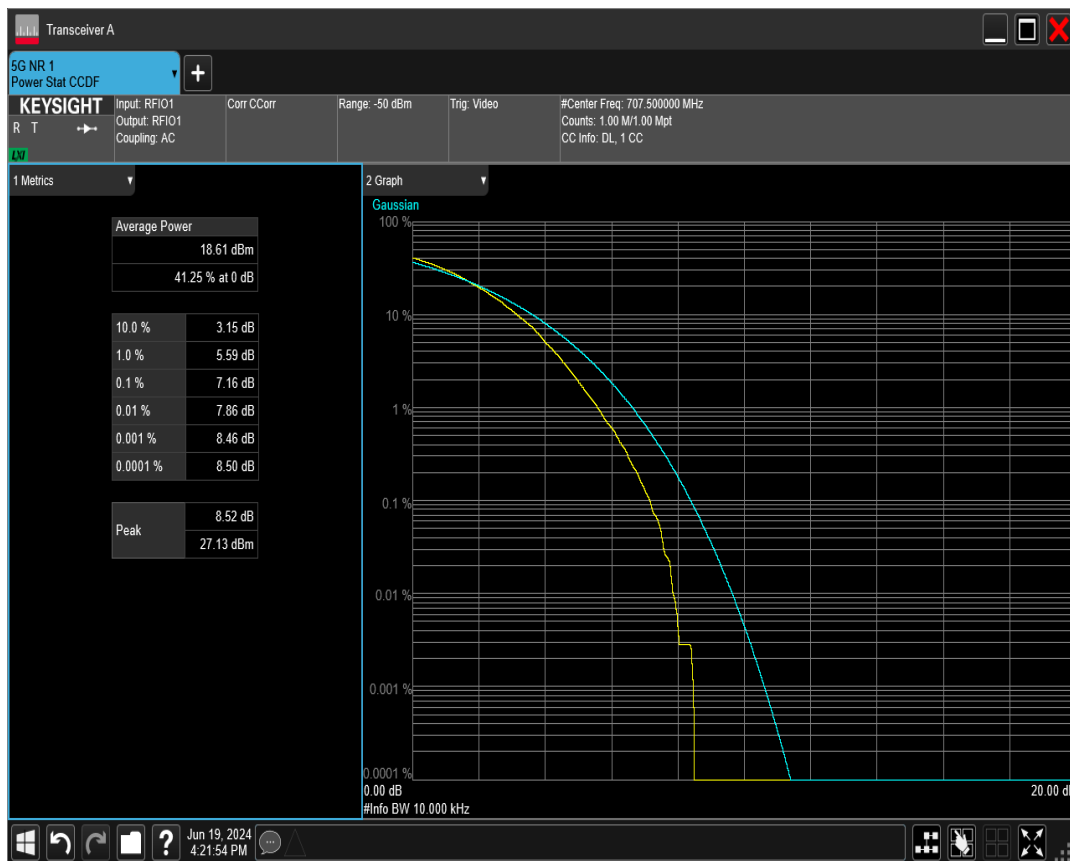
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=142700 RB=25@0



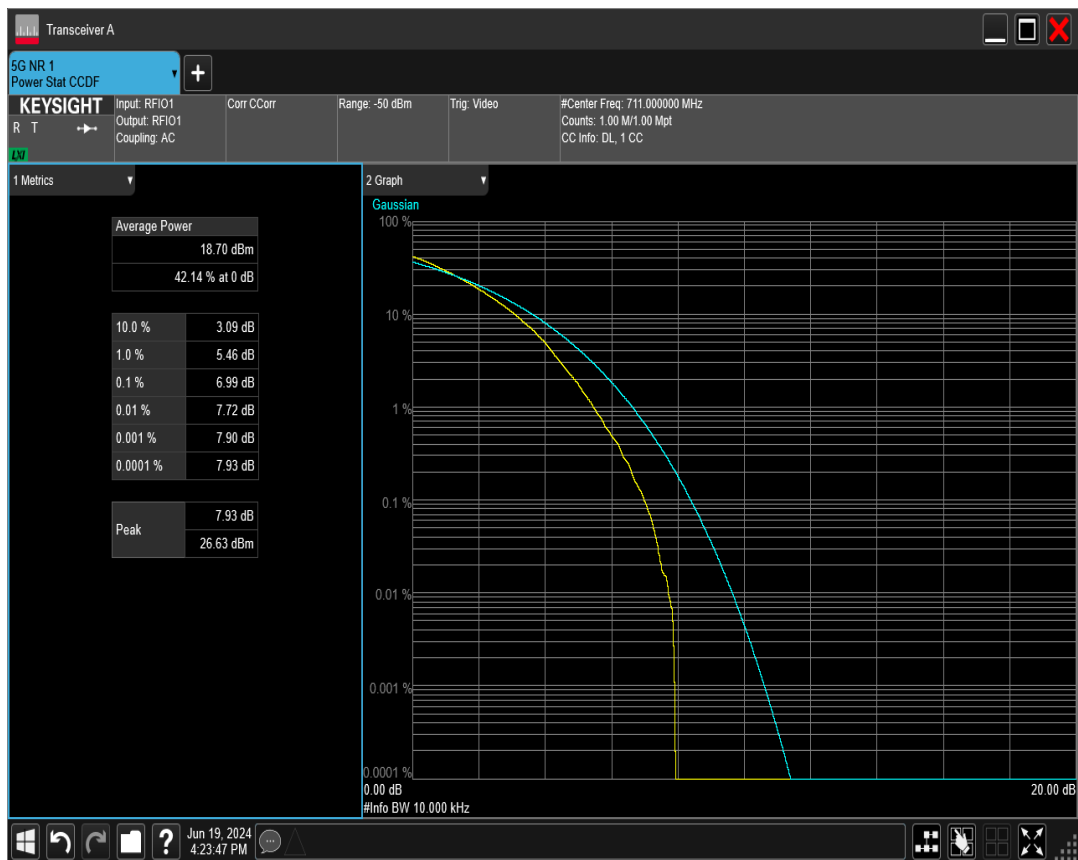
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=140800 RB=50@0



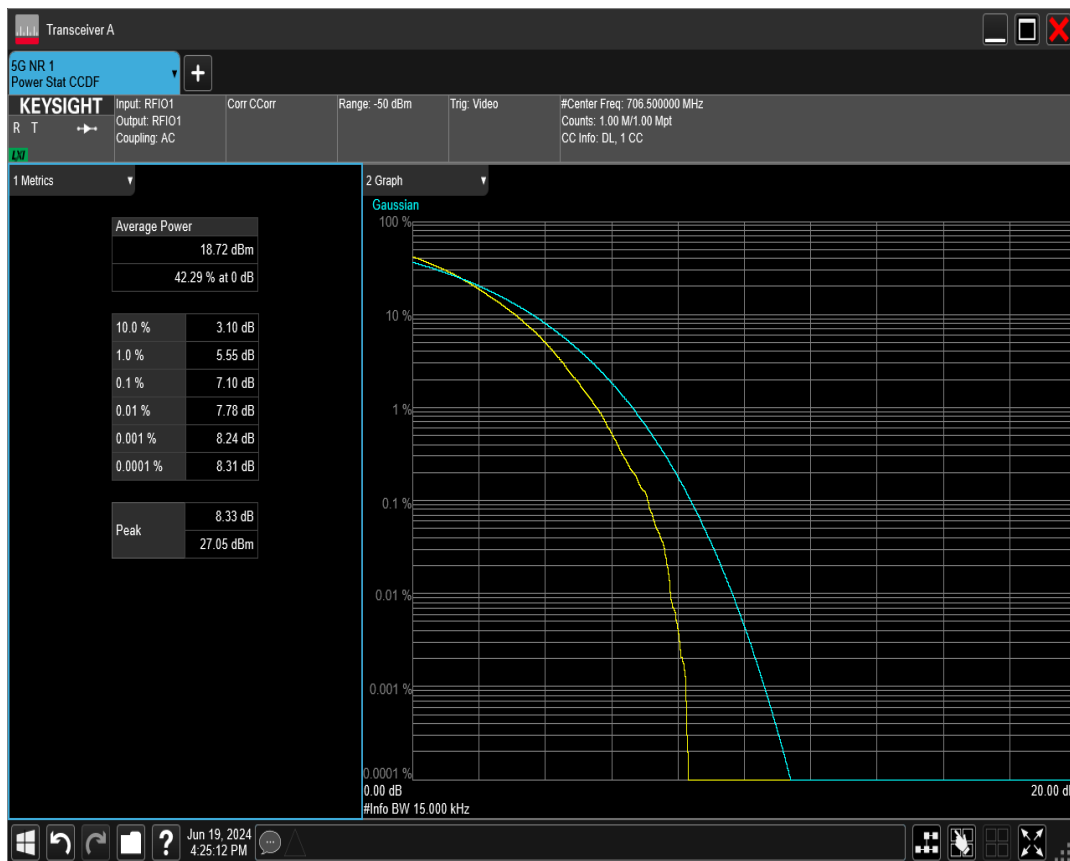
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=141500 RB=50@0



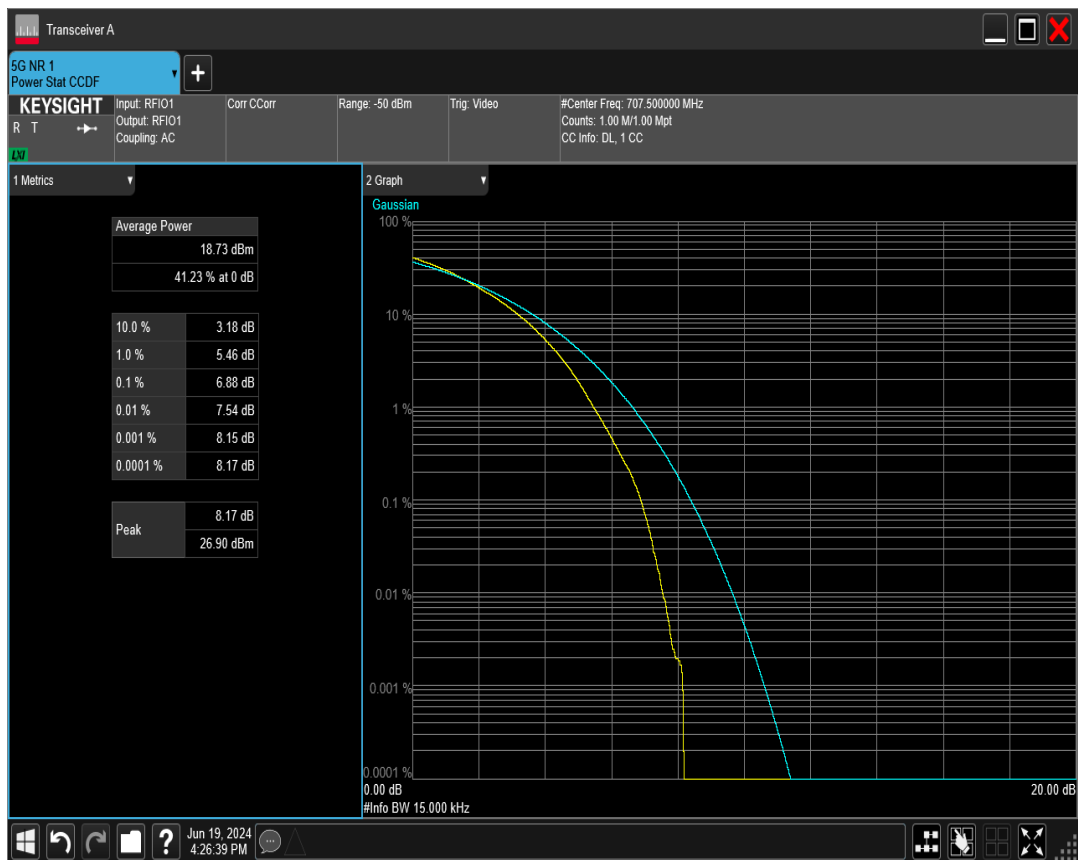
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=142200 RB=50@0



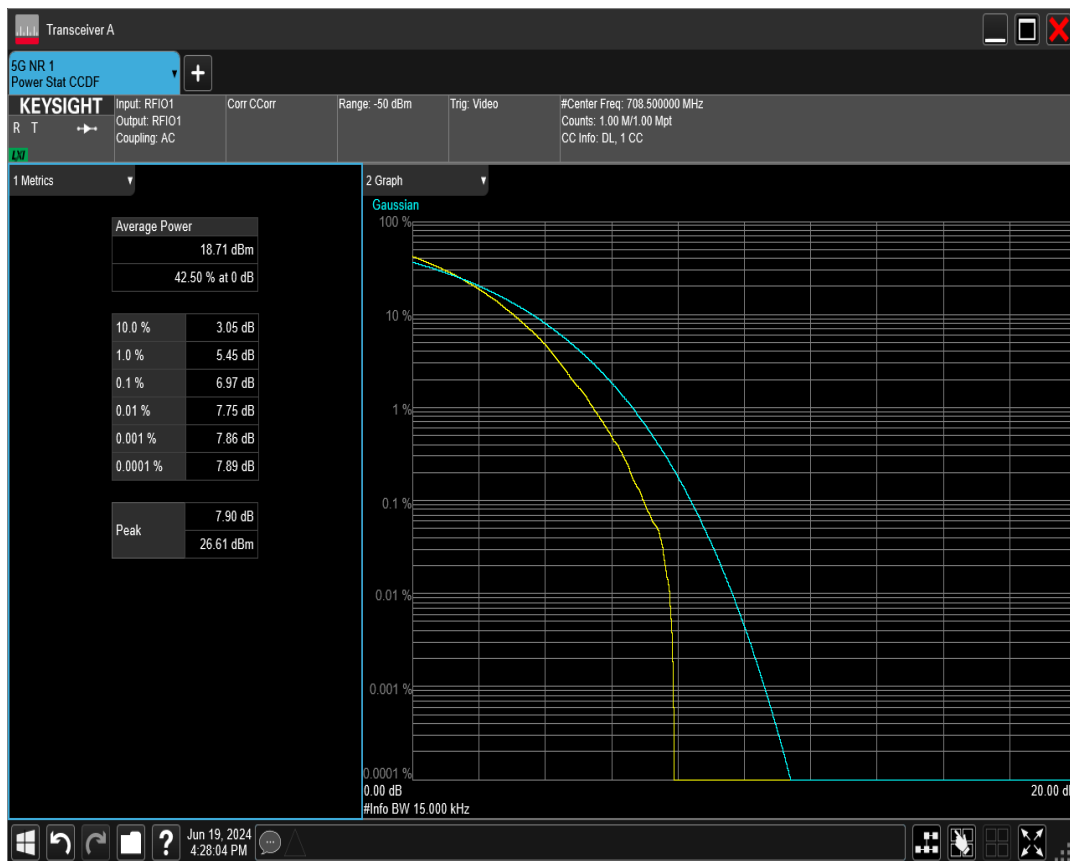
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141300 RB=75@0



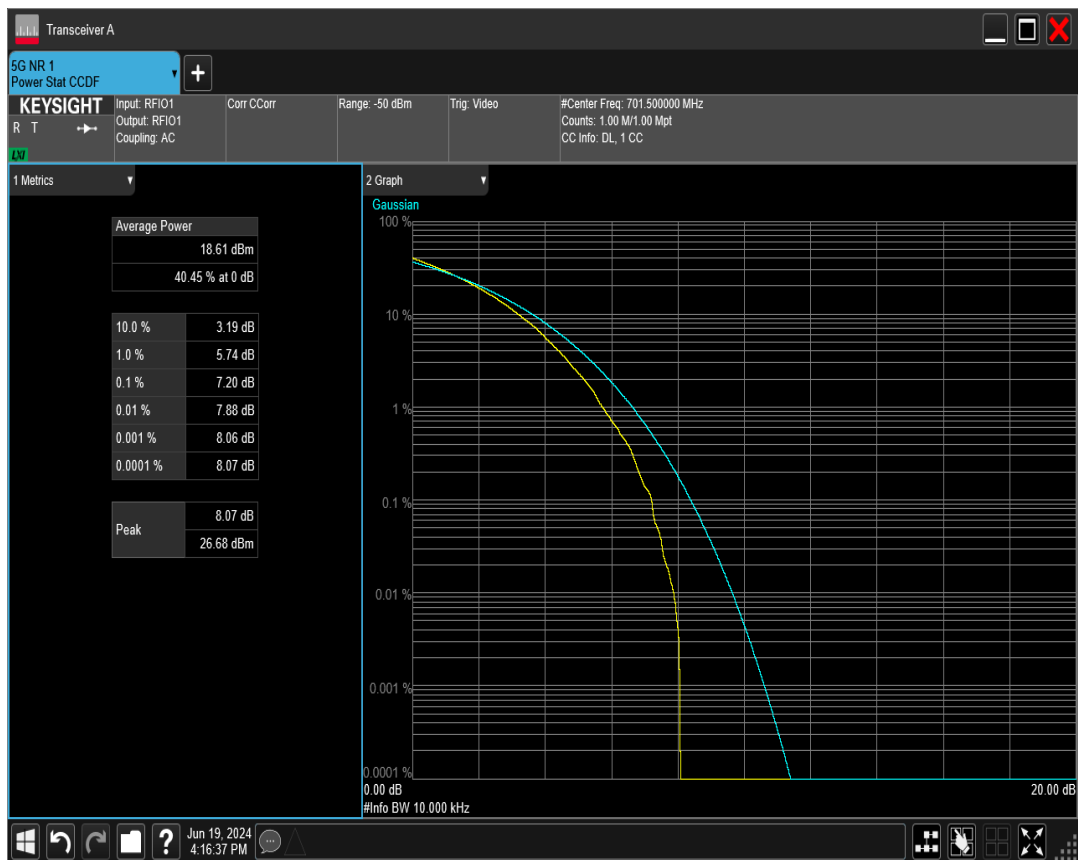
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141500 RB=75@0



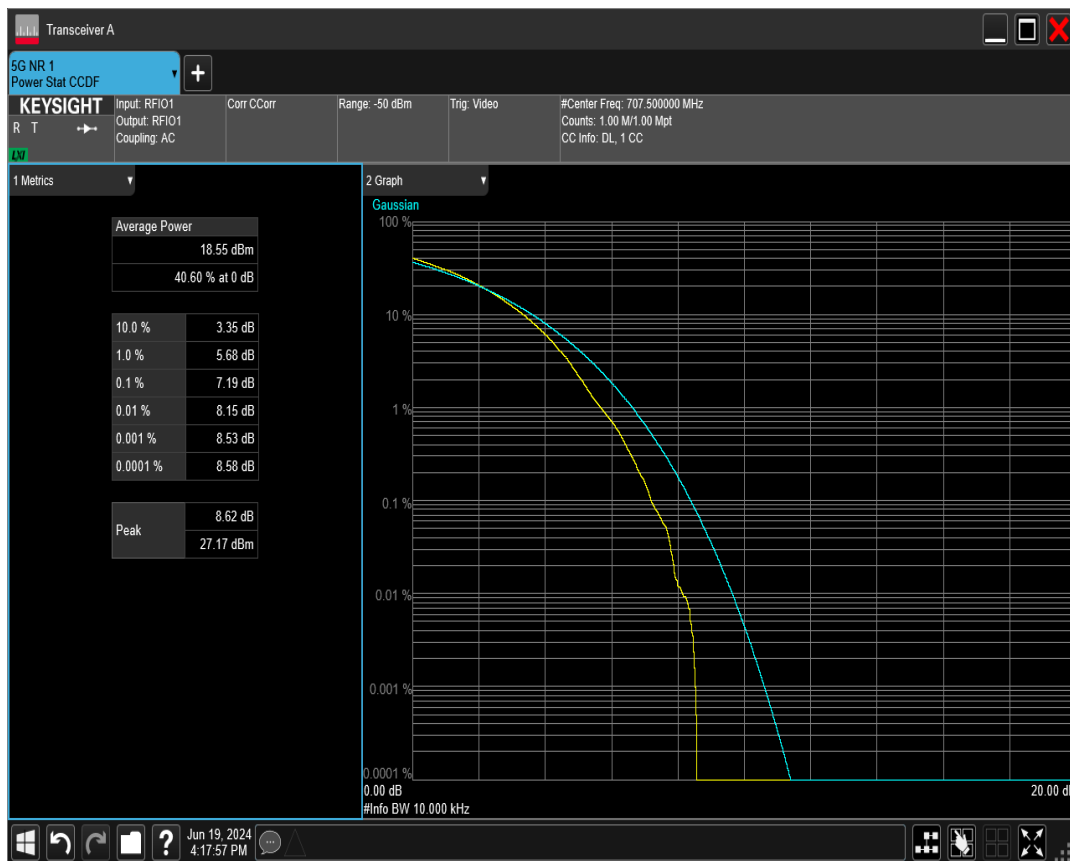
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141700 RB=75@0



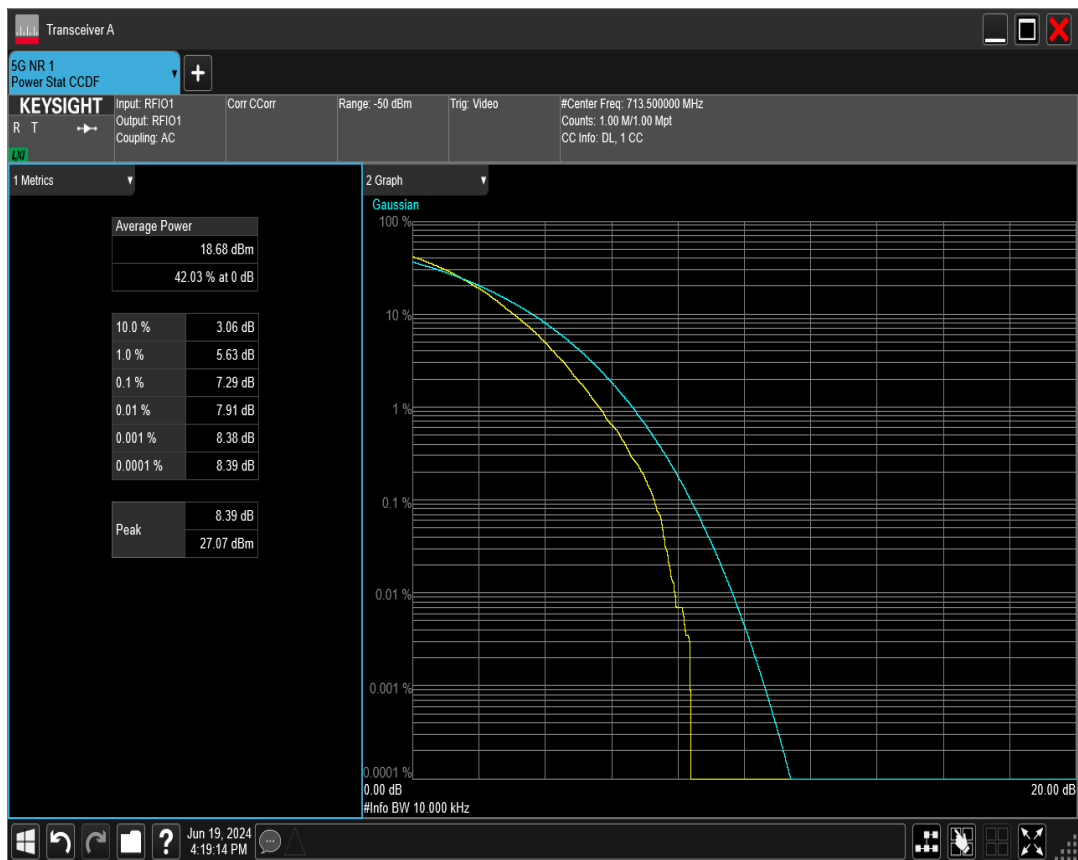
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=140300 RB=25@0



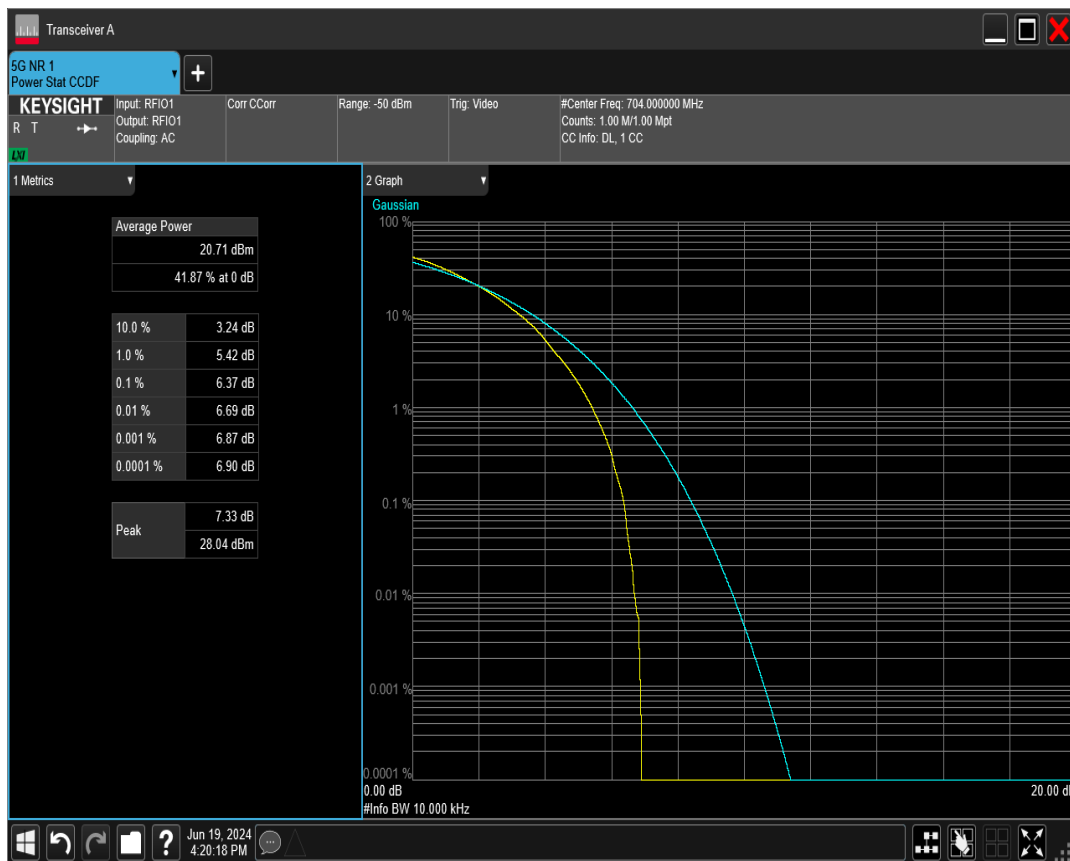
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=141500 RB=25@0



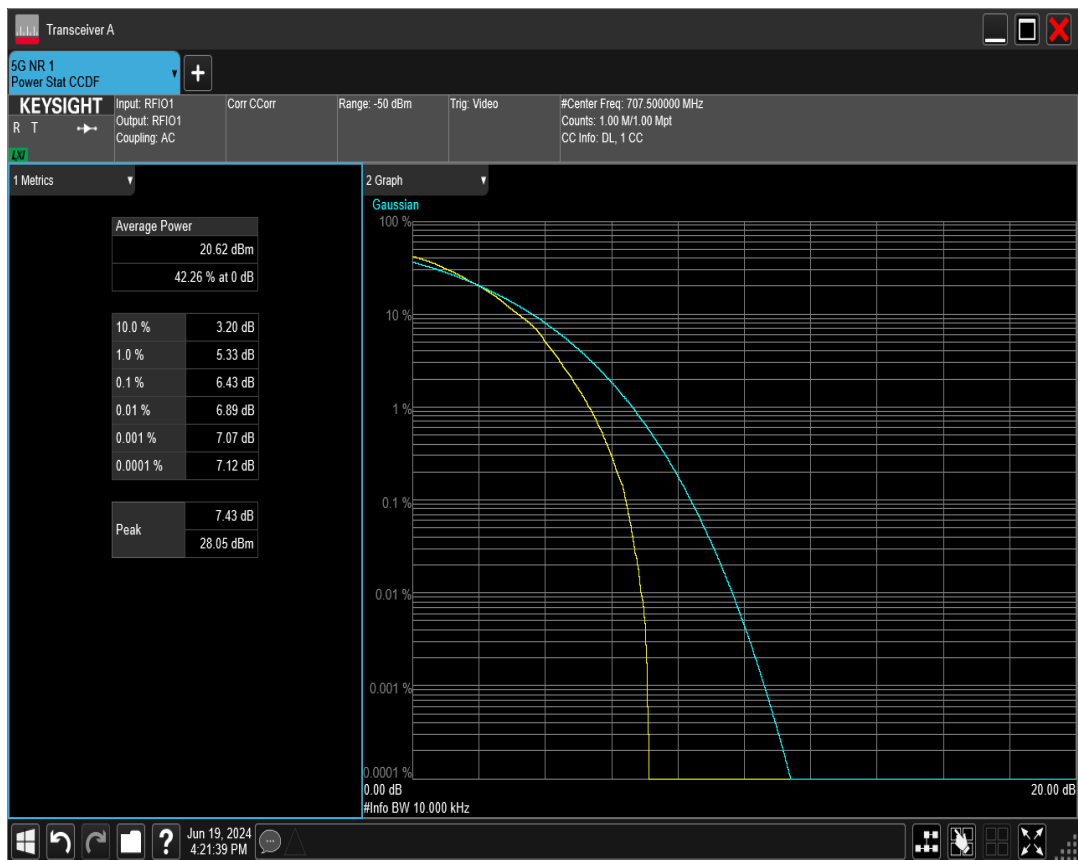
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=142700 RB=25@0



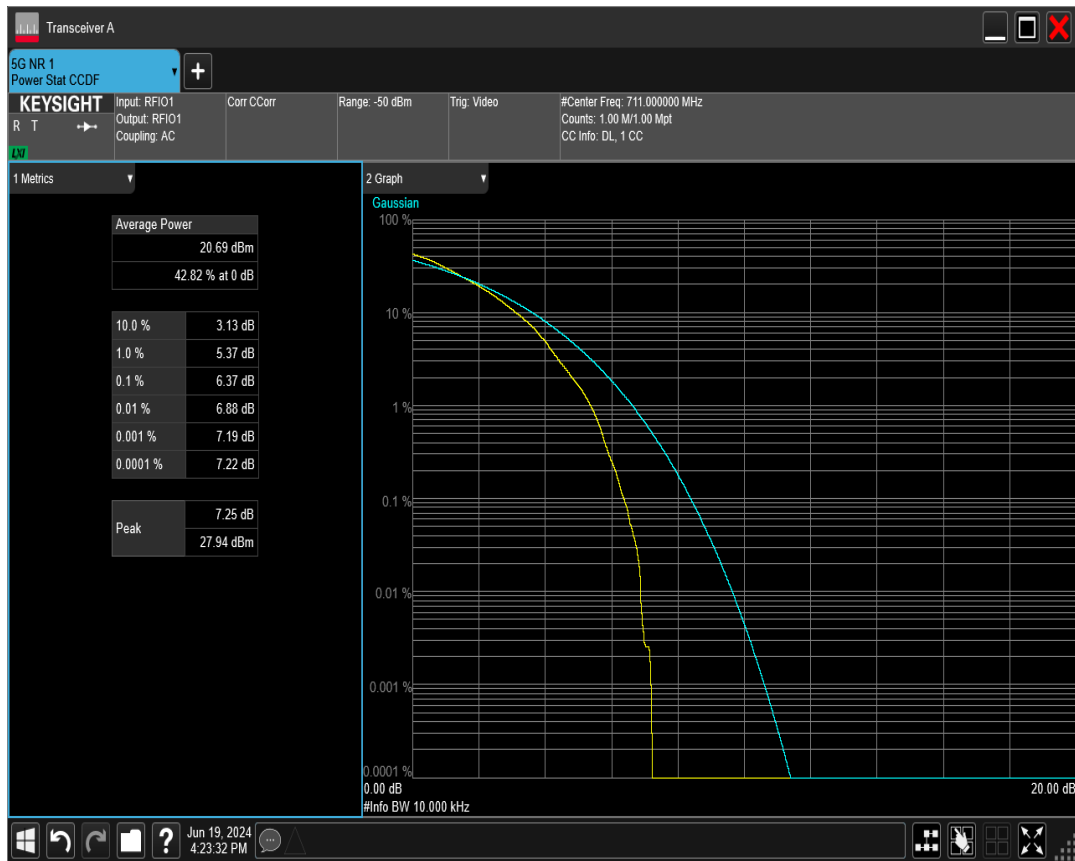
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=140800 RB=50@0



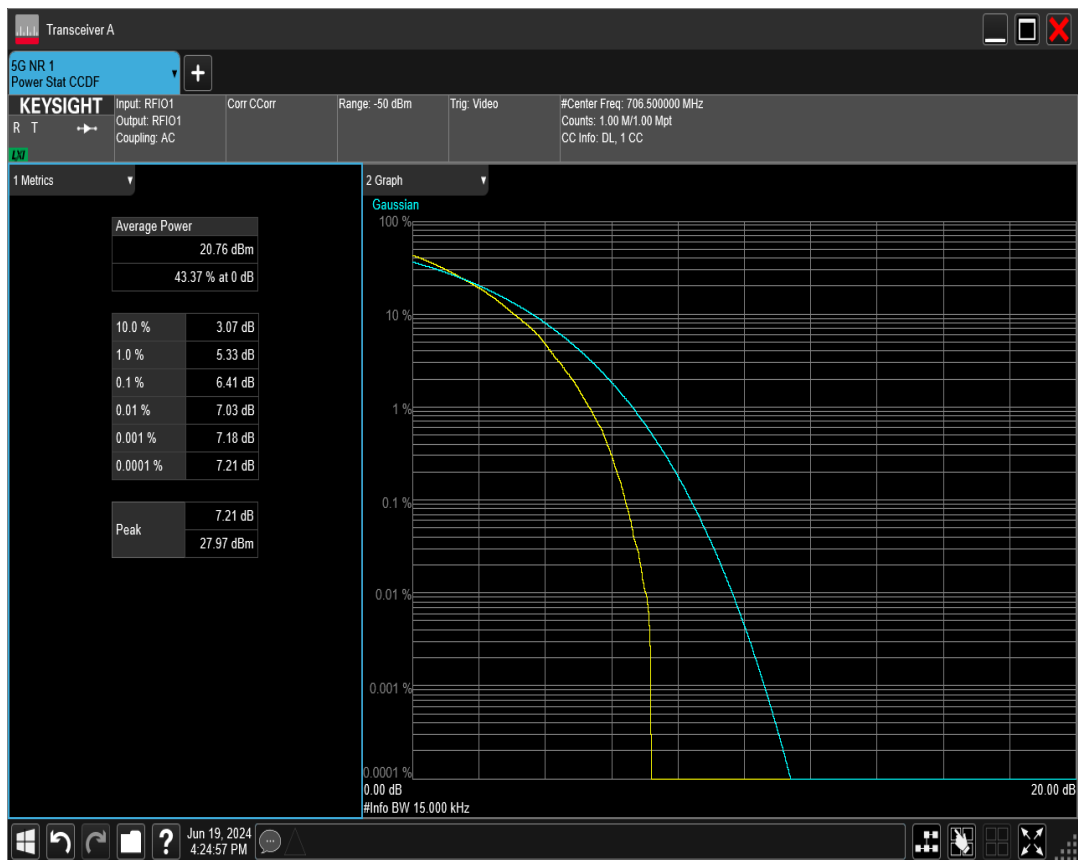
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=141500 RB=50@0



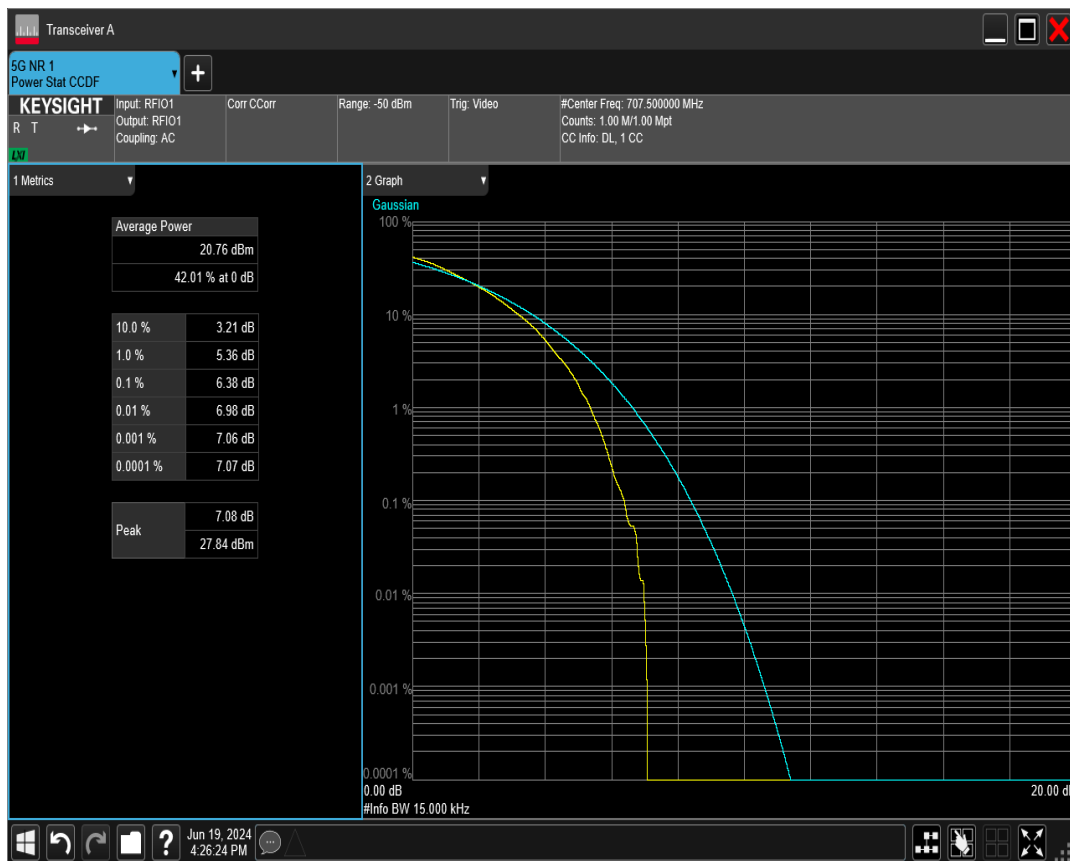
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=142200 RB=50@0



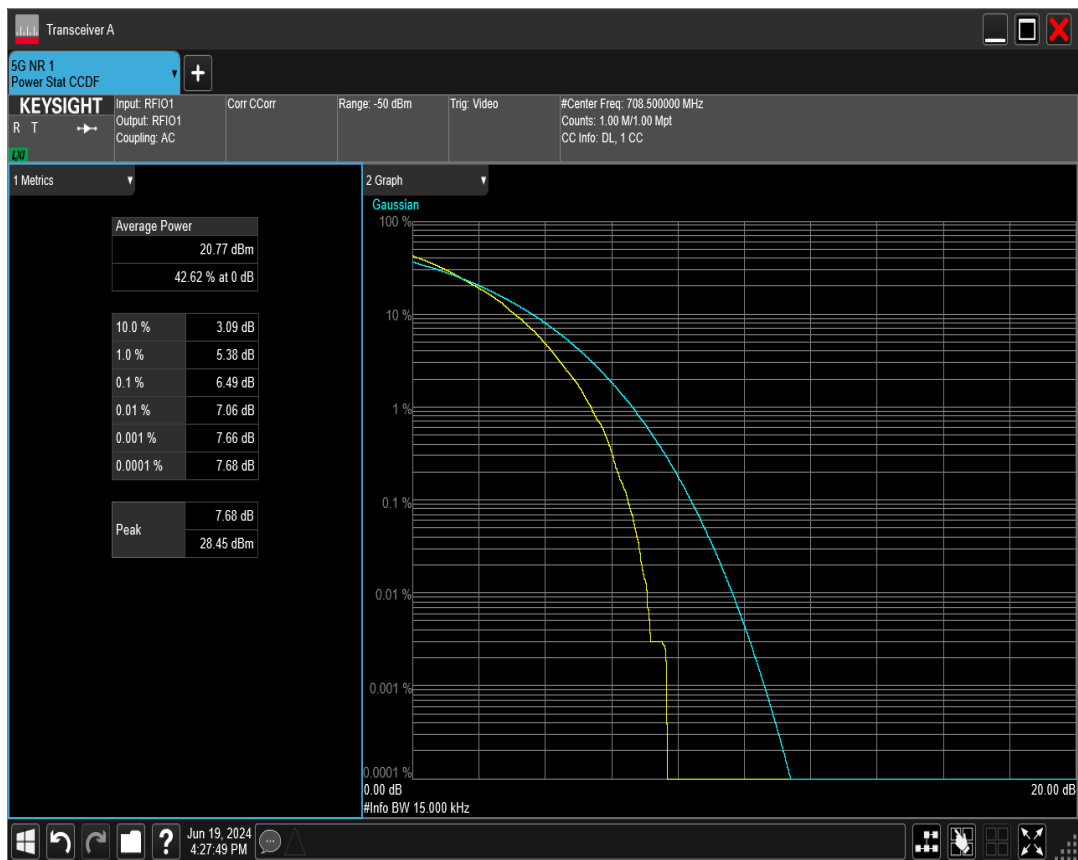
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141300 RB=75@0



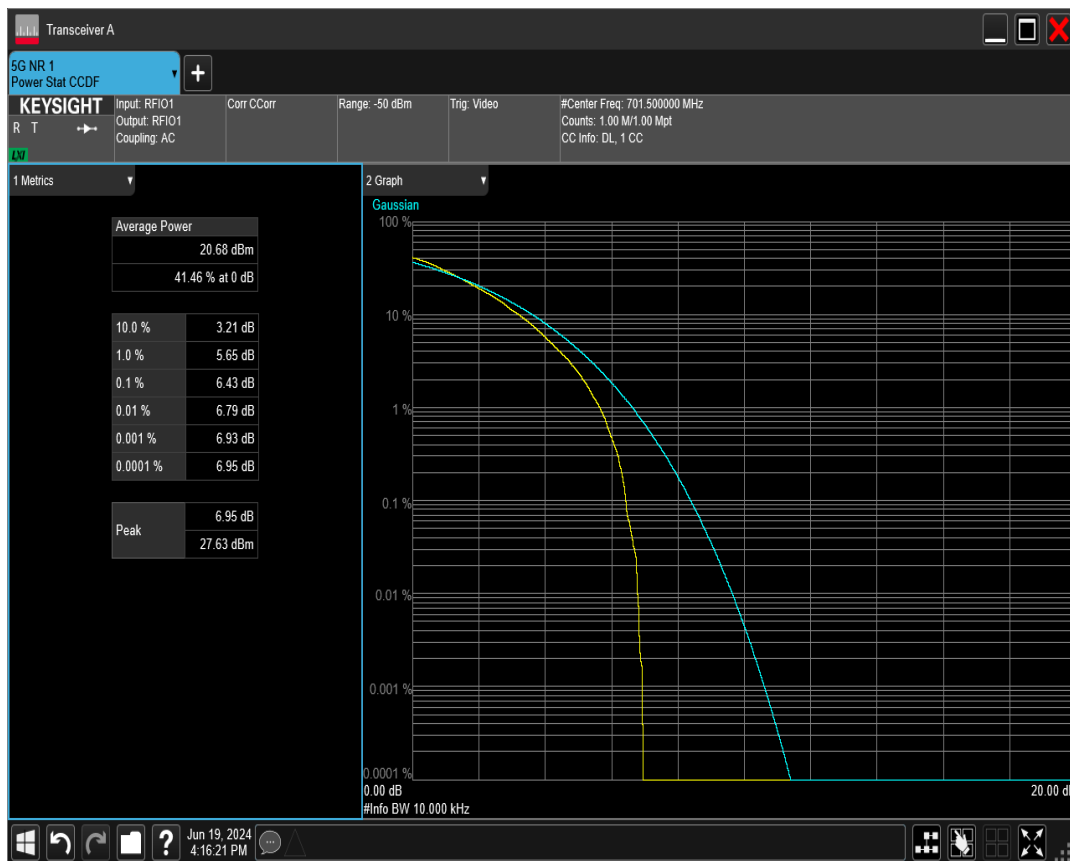
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141500 RB=75@0



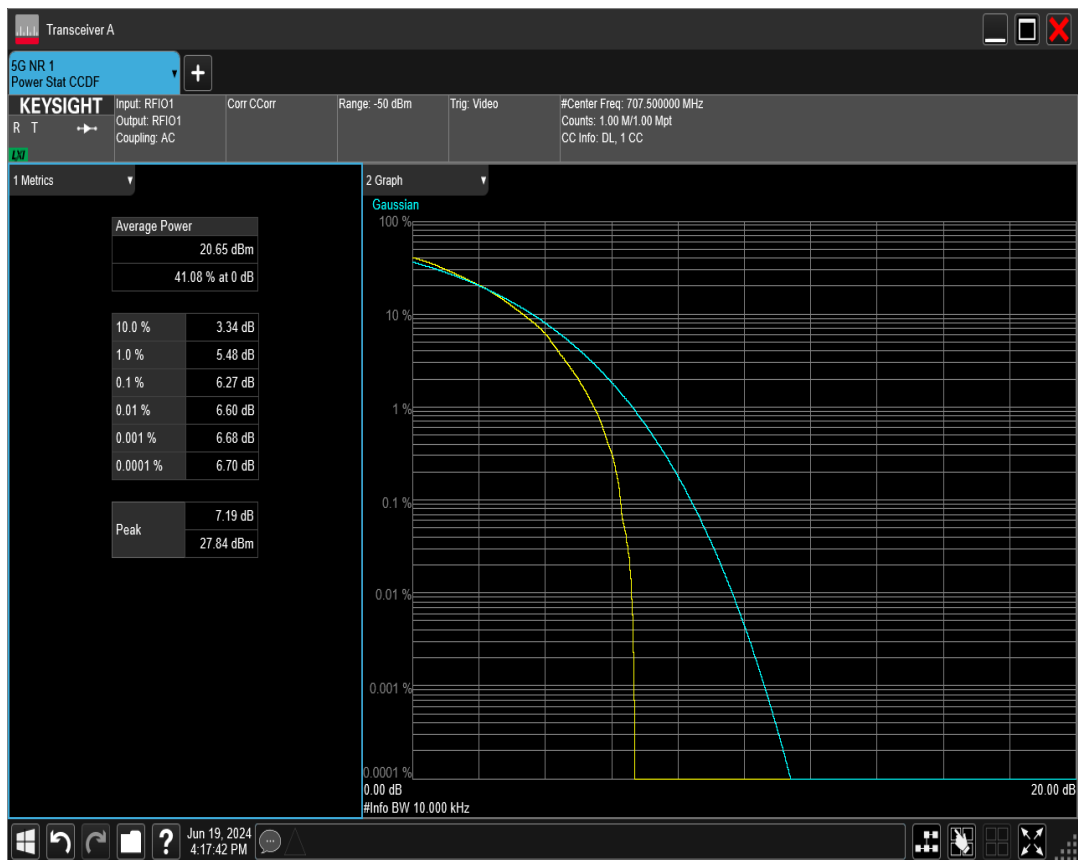
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141700 RB=75@0



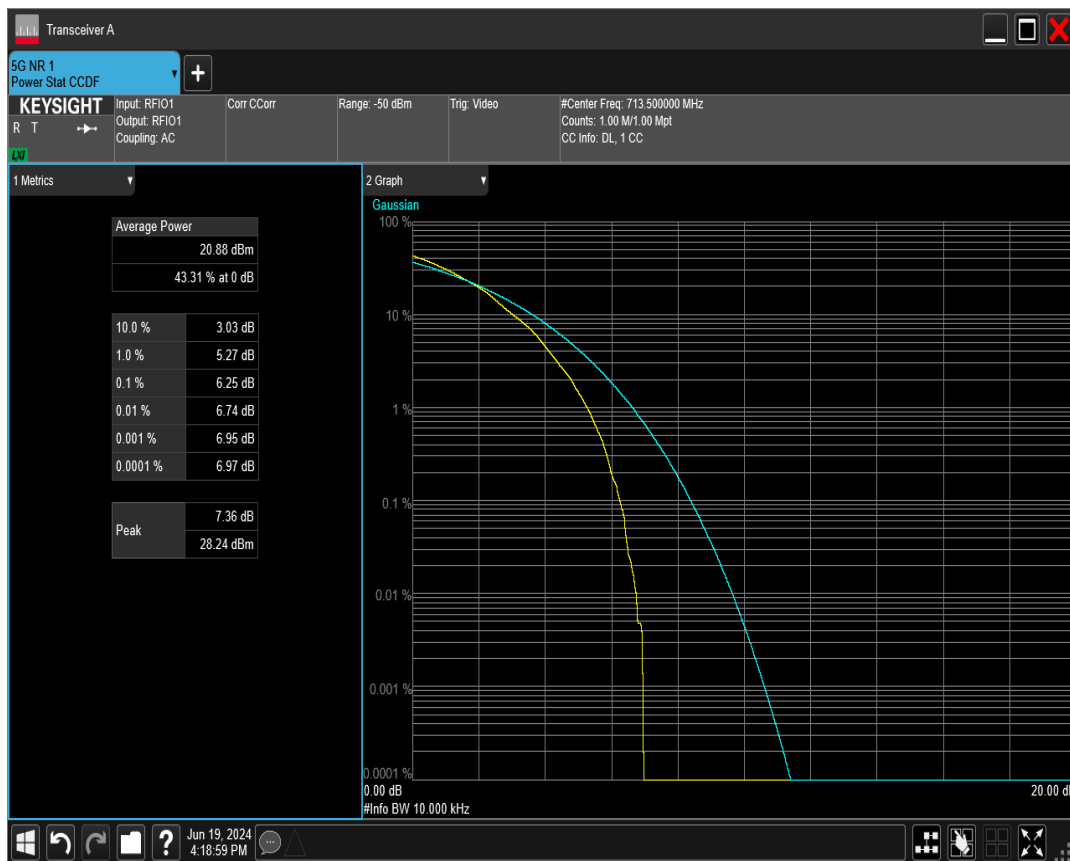
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=140300 RB=25@0



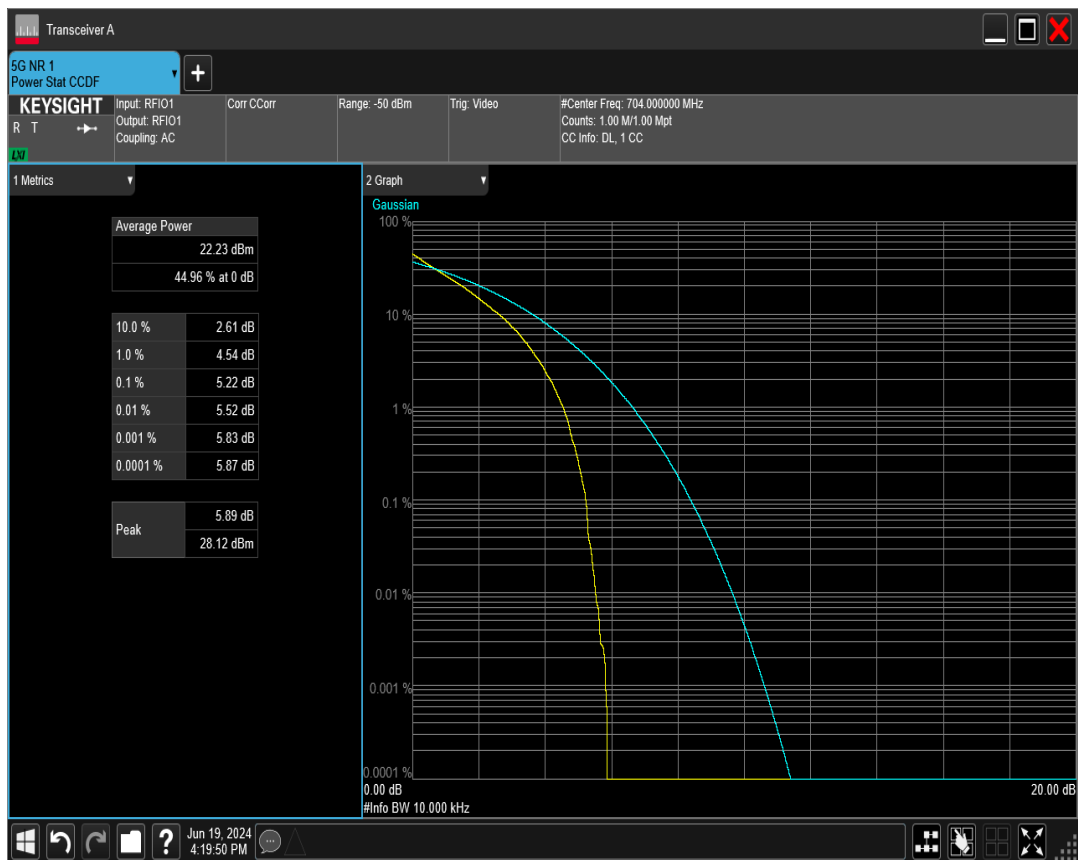
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=141500 RB=25@0



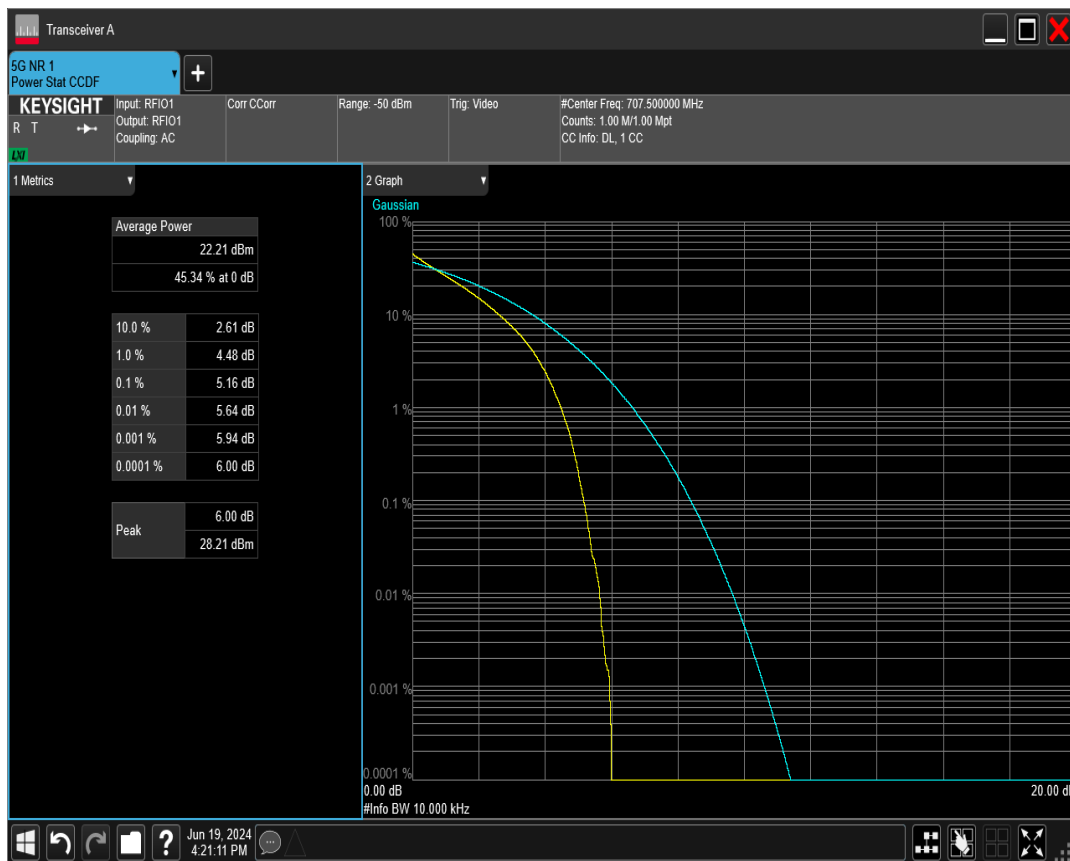
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=142700 RB=25@0



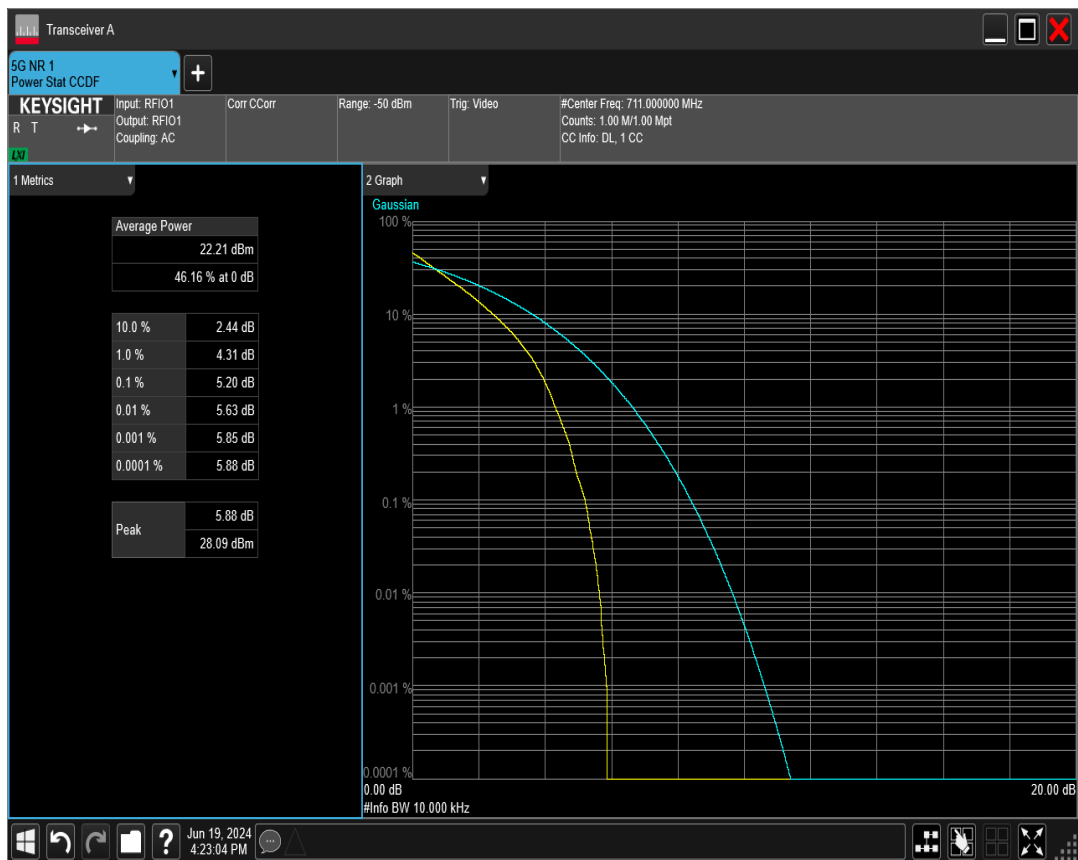
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=140800 RB=50@0



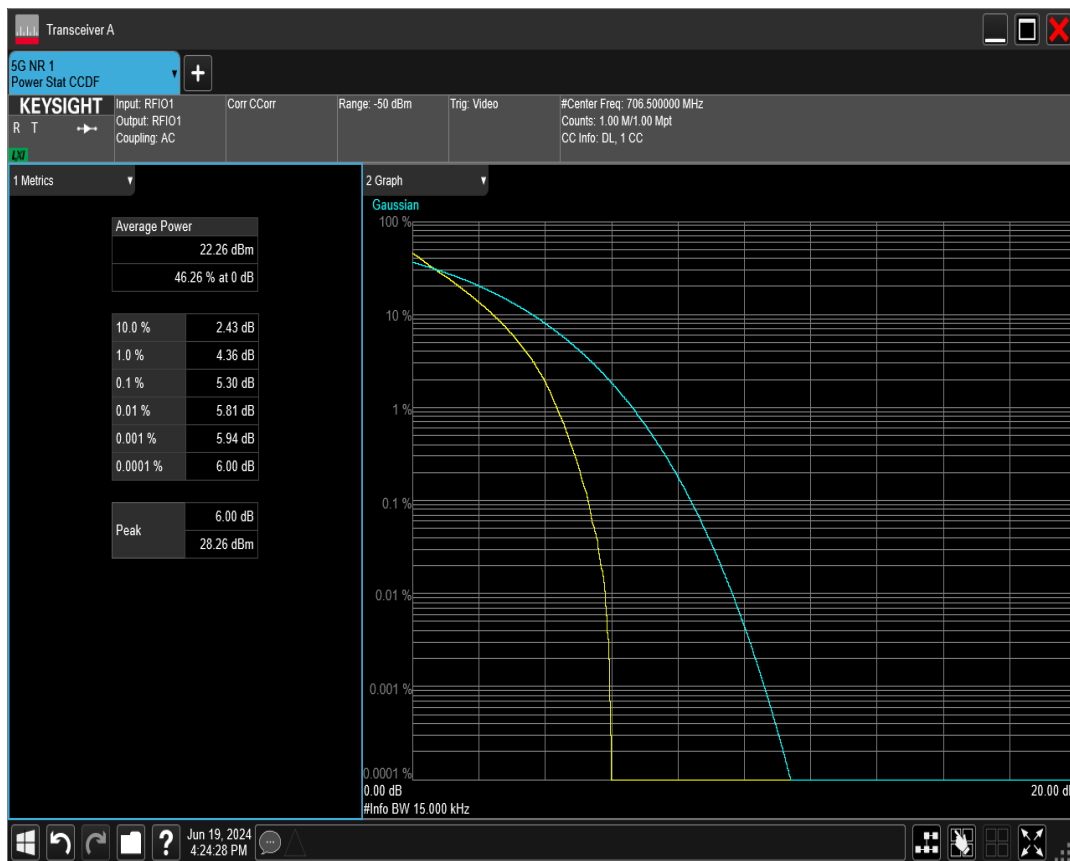
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=141500 RB=50@0



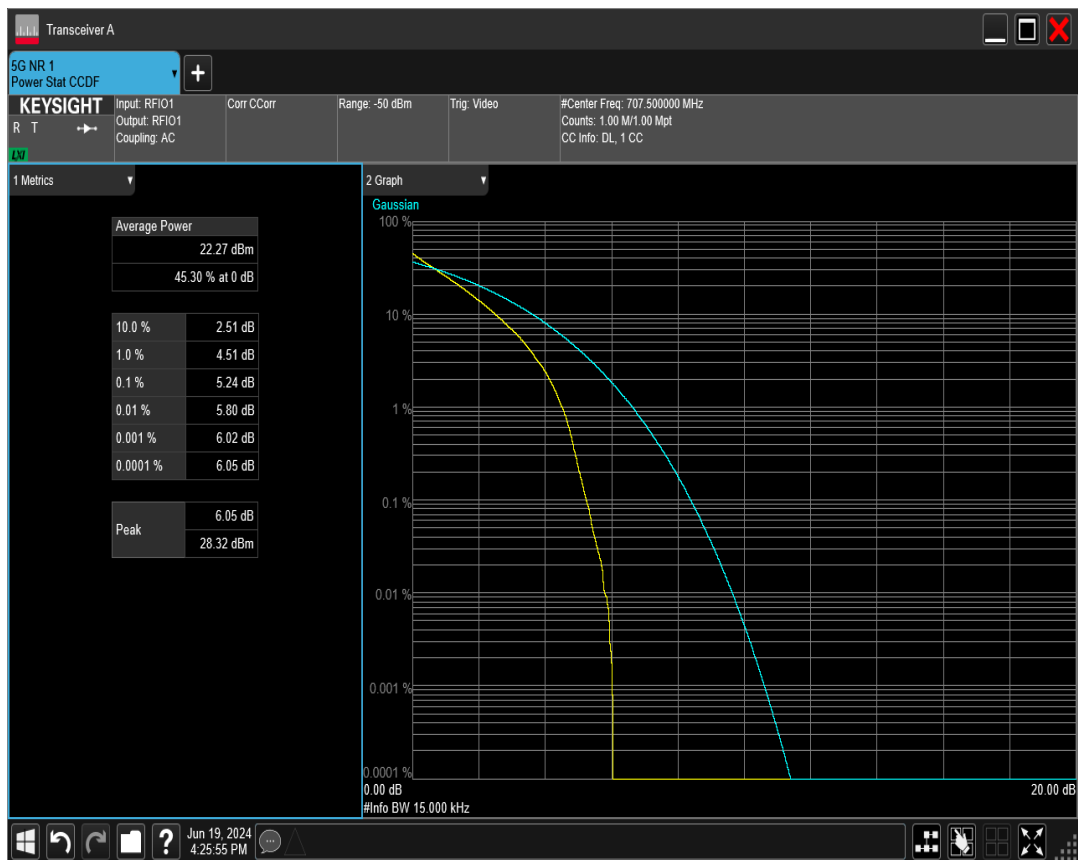
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=142200 RB=50@0



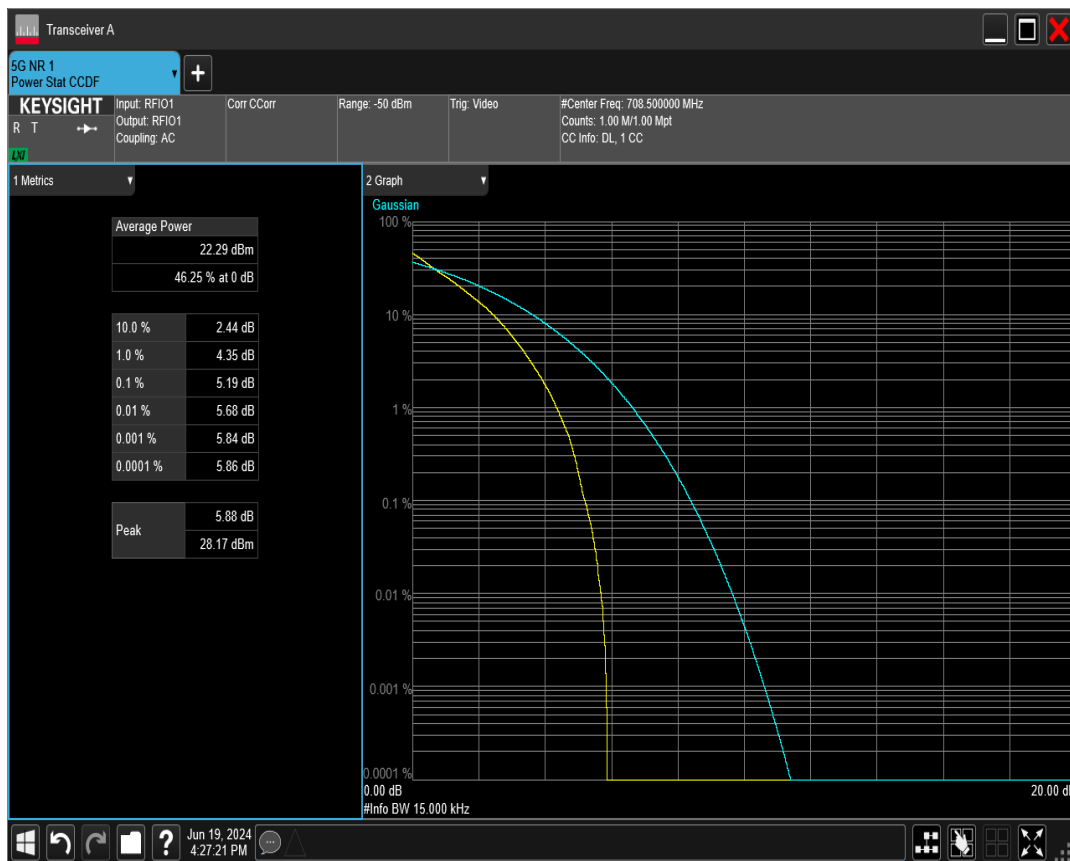
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=75@0



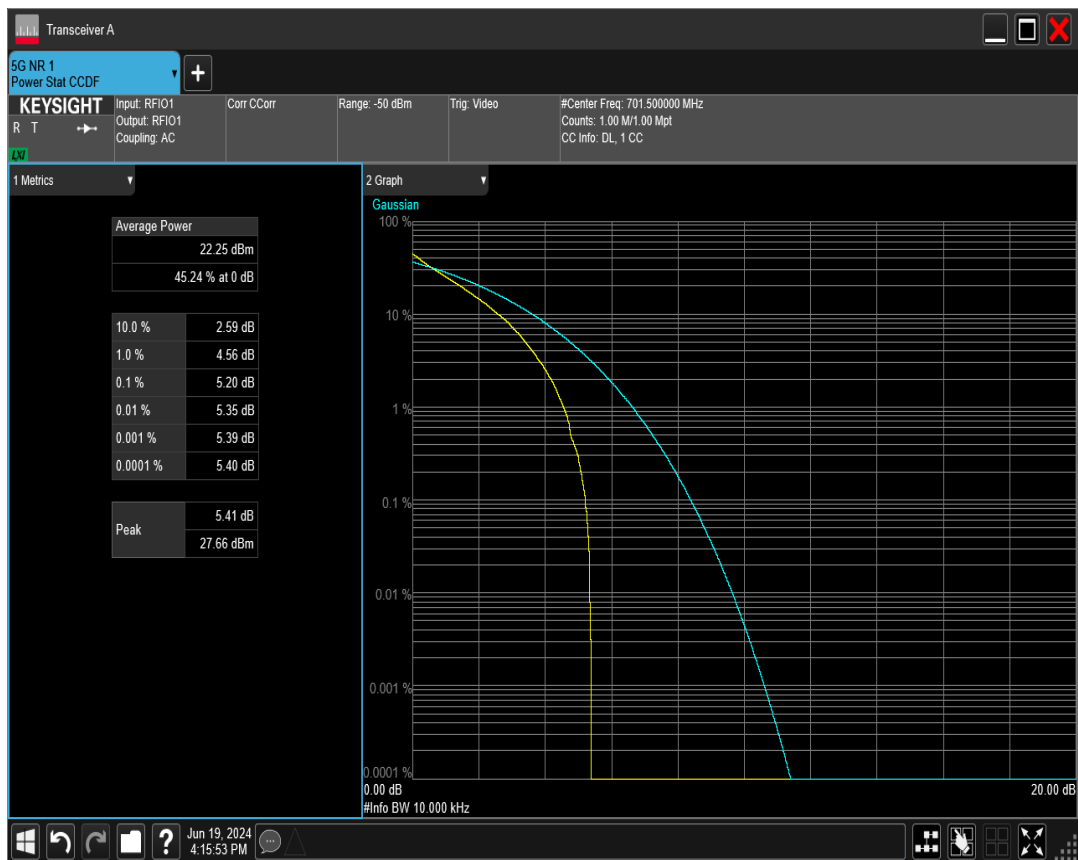
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=75@0



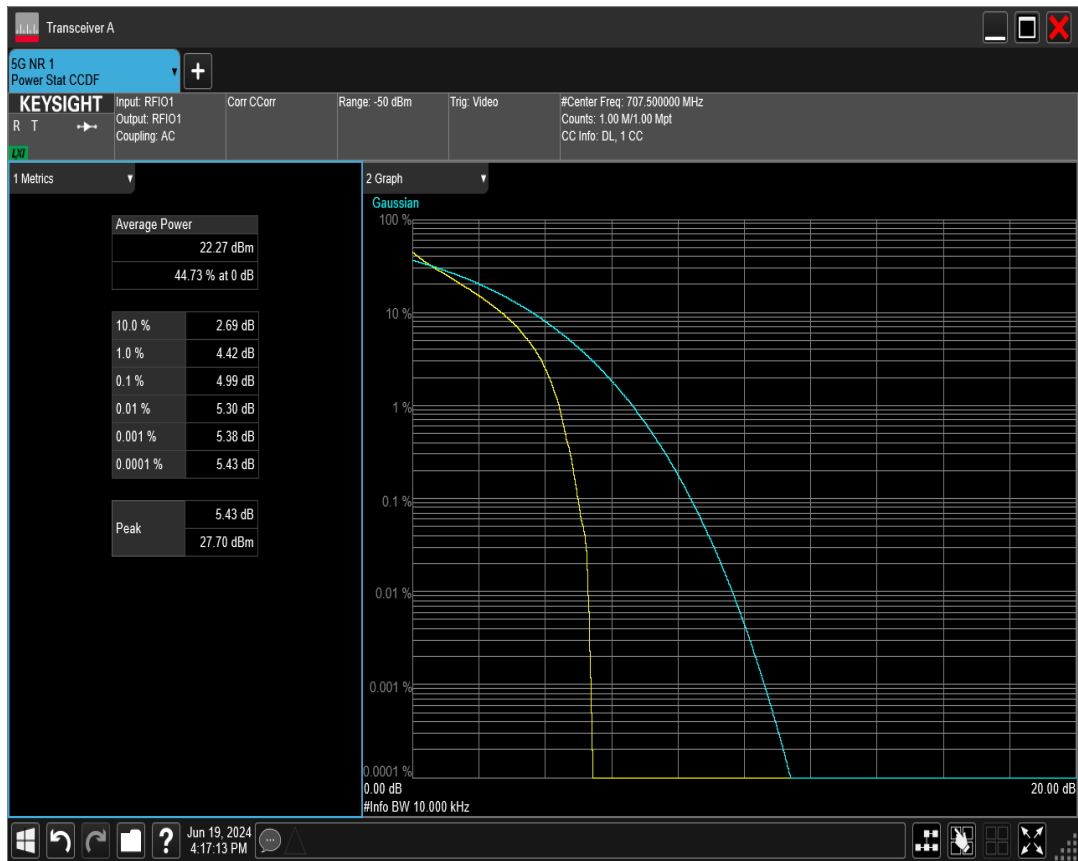
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=75@0



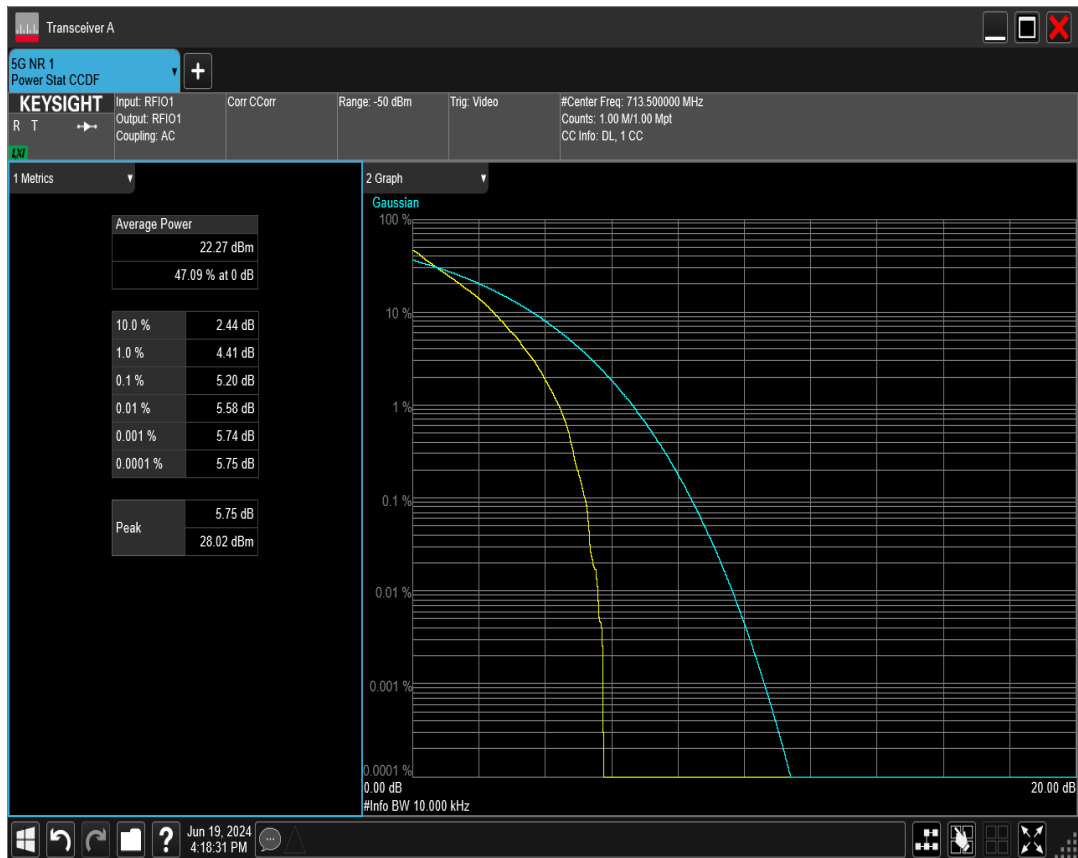
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=25@0



n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=25@0



4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n12	15	5	141500	25@0	DFT_BPSK	4.460	4.660	PASS
n12	15	5	141500	25@0	DFT_QPSK	4.470	4.640	PASS
n12	15	5	141500	25@0	DFT_QAM16	4.450	4.600	PASS
n12	15	5	141500	25@0	DFT_QAM64	4.460	4.660	PASS
n12	15	5	141500	25@0	DFT_QAM256	4.460	4.630	PASS
n12	15	10	141500	50@0	DFT_BPSK	9.220	9.130	PASS
n12	15	10	141500	50@0	DFT_QPSK	9.220	9.140	PASS
n12	15	10	141500	50@0	DFT_QAM16	9.150	9.150	PASS
n12	15	10	141500	50@0	DFT_QAM64	9.190	9.150	PASS
n12	15	10	141500	50@0	DFT_QAM256	9.160	9.140	PASS
n12	15	15	141500	75@0	DFT_BPSK	14.000	13.620	PASS
n12	15	15	141500	75@0	DFT_QPSK	14.000	13.650	PASS
n12	15	15	141500	75@0	DFT_QAM16	13.970	13.620	PASS
n12	15	15	141500	75@0	DFT_QAM64	13.970	13.620	PASS
n12	15	15	141500	75@0	DFT_QAM256	13.970	13.630	PASS

n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=141500 RB=50@0



n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=141500 RB=50@0



n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=141500 RB=25@0



n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=141500 RB=50@0



n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=141500 RB=25@0



n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=141500 RB=50@0



n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=141500 RB=25@0



n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=141500 RB=50@0



n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=75@0



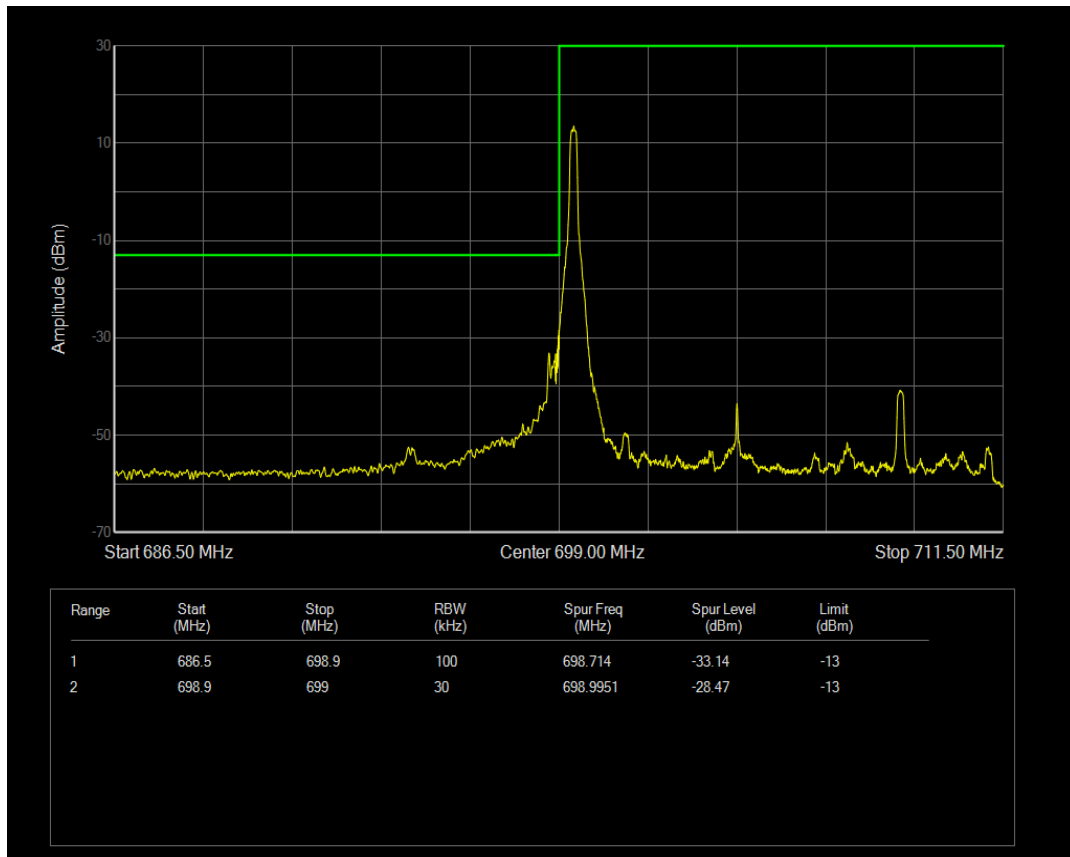
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



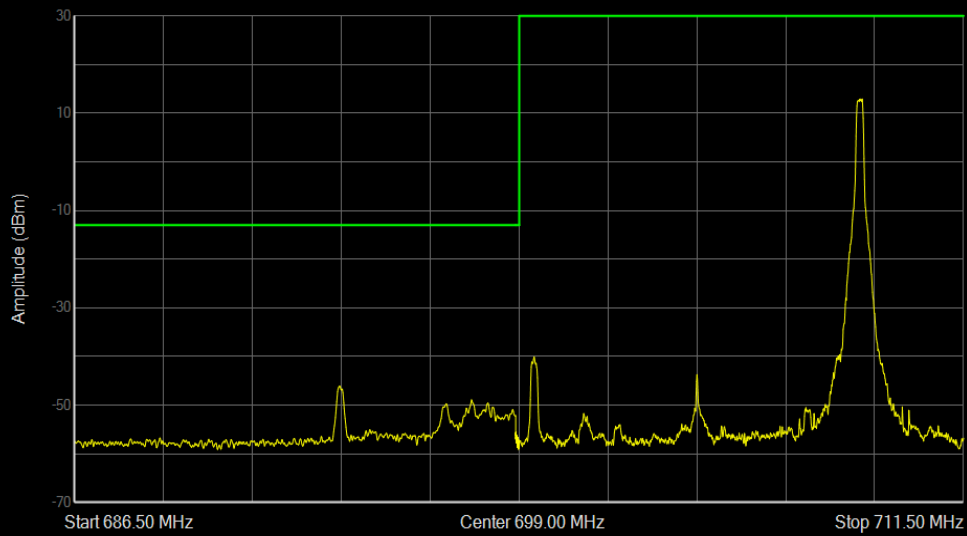
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n12	15	5	140300	25@0	CP_QPSK	698.84	-29.53	-13	PASS
n12	15	5	140300	1@0	CP_QPSK	699.00	-25.24	-13	PASS
n12	15	5	140300	1@24	CP_QPSK	703.62	12.79	30	PASS
n12	15	5	142700	25@0	CP_QPSK	716.11	-31.53	-13	PASS
n12	15	5	142700	1@0	CP_QPSK	711.33	12.89	30	PASS
n12	15	5	142700	1@24	CP_QPSK	716.01	-28.49	-13	PASS
n12	15	10	140800	52@0	CP_QPSK	698.18	-33.87	-13	PASS
n12	15	10	140800	1@0	CP_QPSK	699.00	-28.47	-13	PASS
n12	15	10	140800	1@51	CP_QPSK	708.61	12.92	30	PASS
n12	15	10	142200	52@0	CP_QPSK	716.78	-33.74	-13	PASS
n12	15	10	142200	1@0	CP_QPSK	706.43	12.79	30	PASS
n12	15	10	142200	1@51	CP_QPSK	715.55	12.71	30	PASS
n12	15	15	141300	79@0	CP_QPSK	698.17	-36.23	-13	PASS
n12	15	15	141300	1@0	CP_QPSK	699.47	13.45	30	PASS
n12	15	15	141300	1@78	CP_QPSK	713.53	13.01	30	PASS
n12	15	15	141700	79@0	CP_QPSK	716.14	-35.48	-13	PASS
n12	15	15	141700	1@0	CP_QPSK	701.43	13.03	30	PASS
n12	15	15	141700	1@78	CP_QPSK	715.51	13.29	30	PASS

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@0



n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@51



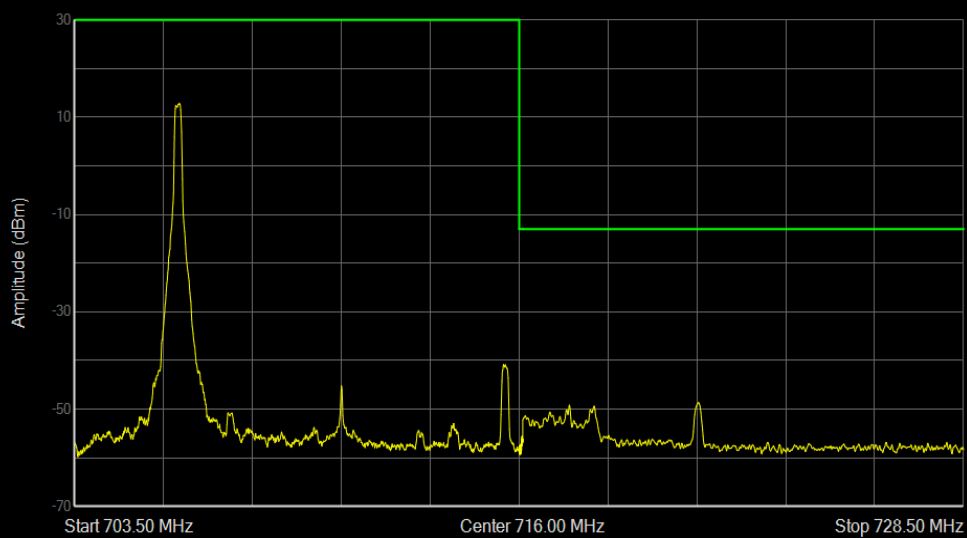
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	693.9524	-46.09	-13
2	698.9	699	30	698.91	-55.47	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=52@0



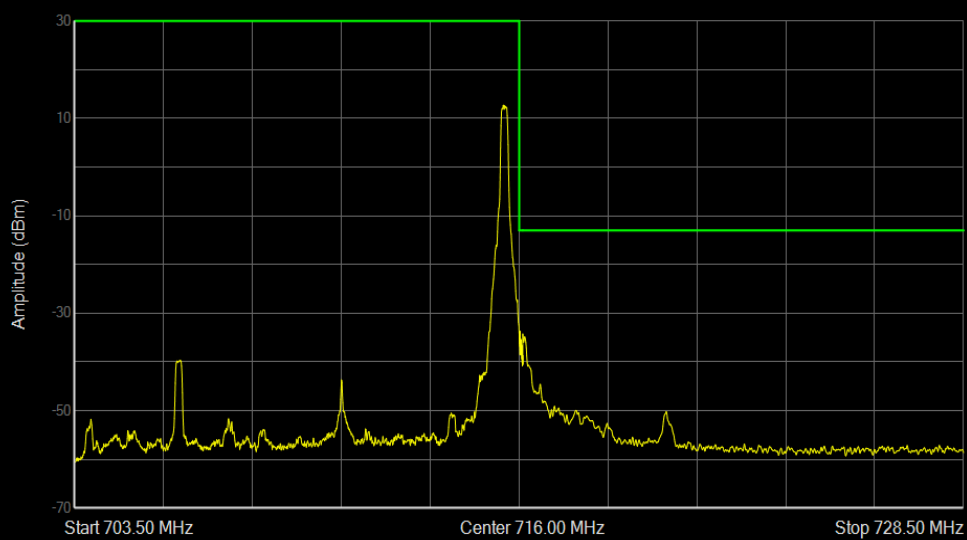
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.1808	-33.87	-13
2	698.9	699	30	698.9431	-37.5	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=1@0



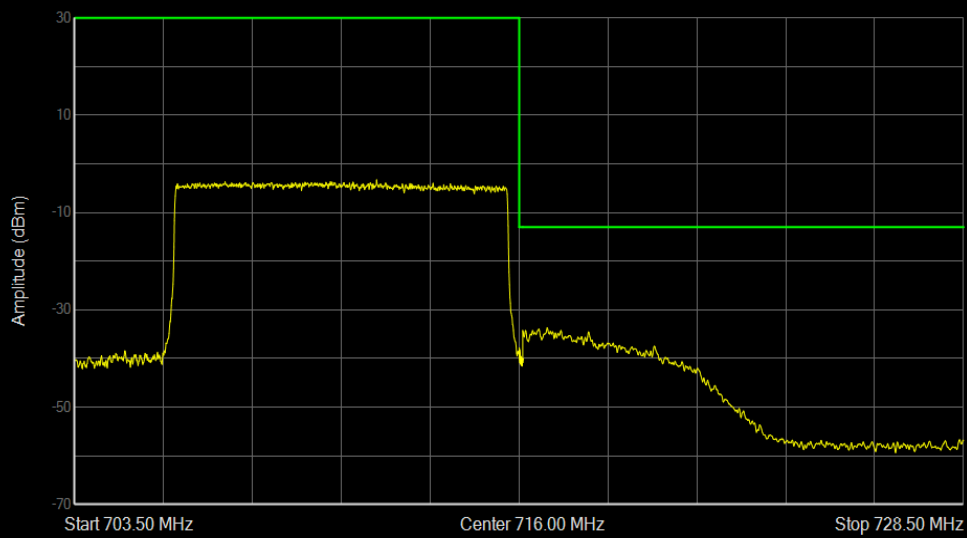
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0787	-55.59	-13
3	716.1	728.5	100	721.0352	-48.7	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=1@51



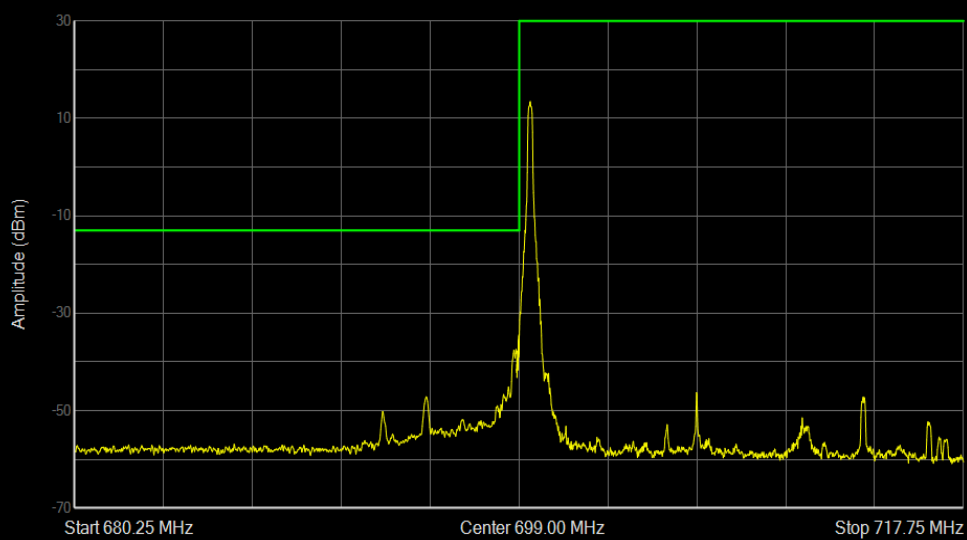
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0081	-33.71	-13
3	716.1	728.5	100	716.1496	-34.86	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=52@0



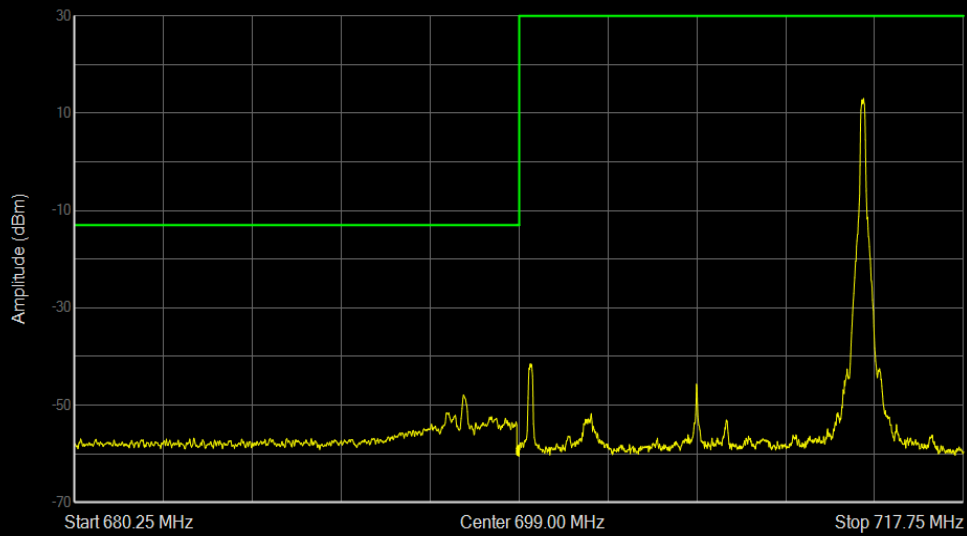
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0034	-37.91	-13
3	716.1	728.5	100	716.782	-33.74	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=1@0



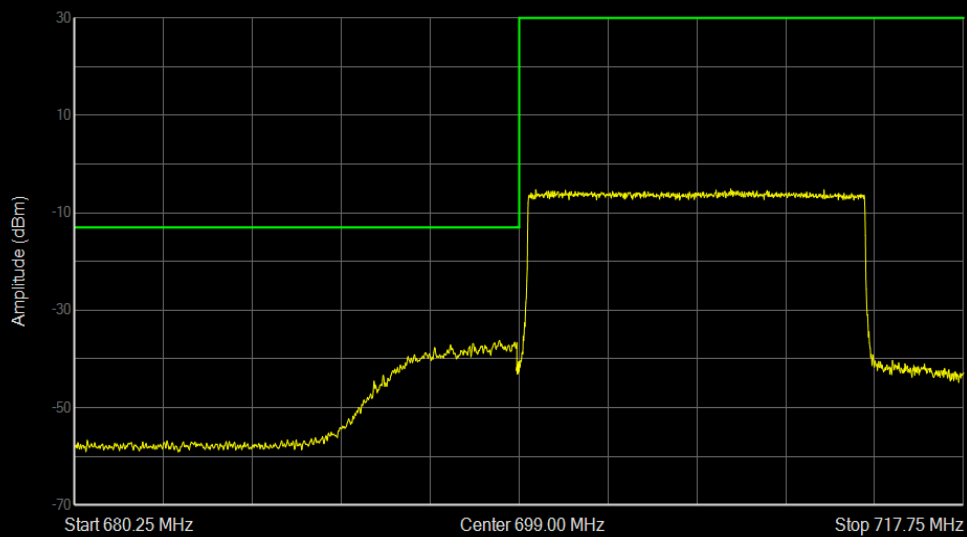
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	698.8627	-37.42	-13
2	698.9	699	30	698.9963	-34.34	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=1@78



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	696.64335	-47.93	-13
2	698.9	699	30	698.9877	-58.22	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=79@0



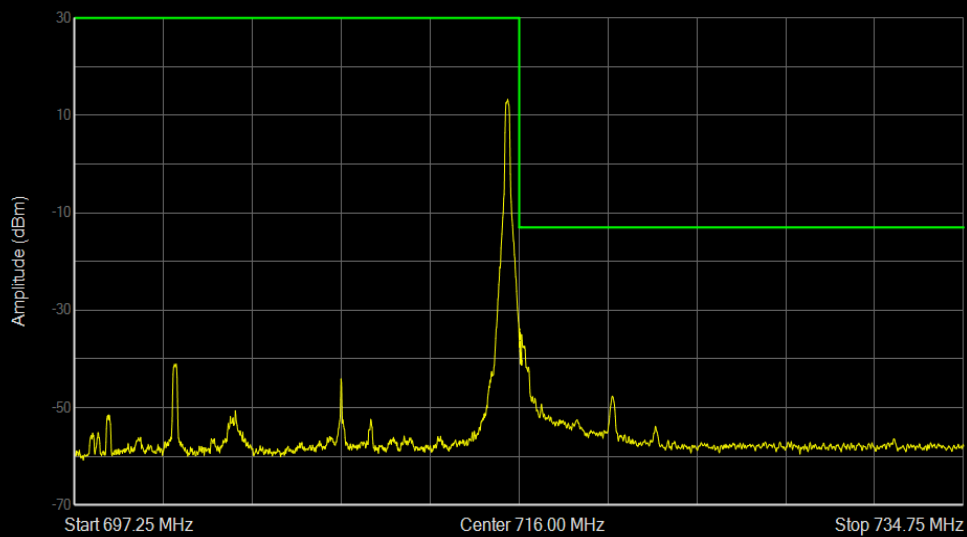
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	698.17265	-36.23	-13
2	698.9	699	30	698.9842	-40.59	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=1@0



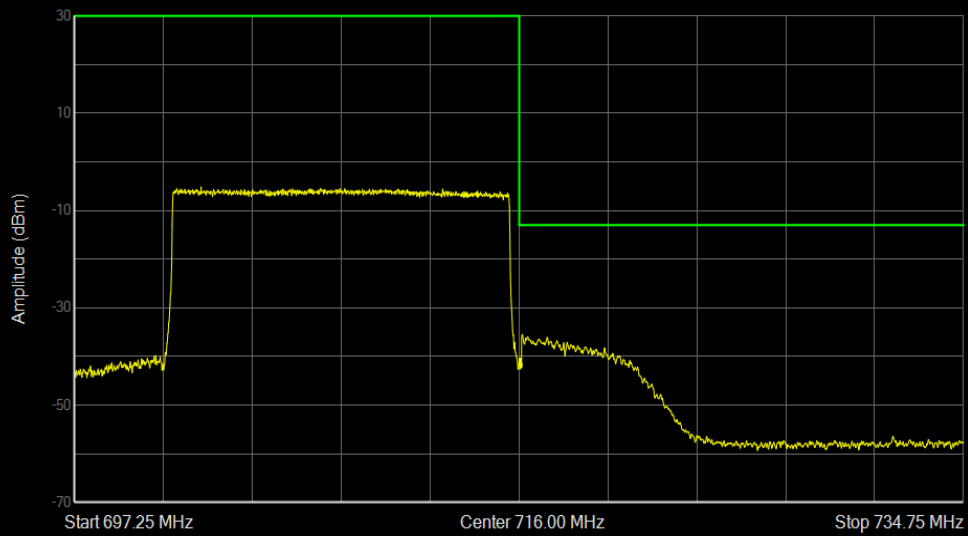
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0436	-58.83	-13
3	716.1	734.75	100	718.3007	-48.03	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=1@78



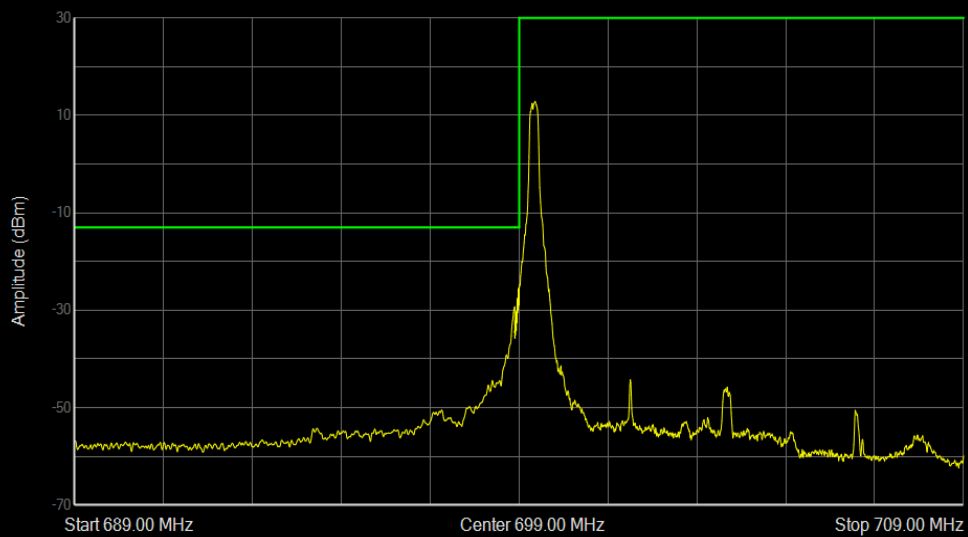
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0065	-33.77	-13
3	716.1	734.75	100	716.11865	-36.19	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=79@0

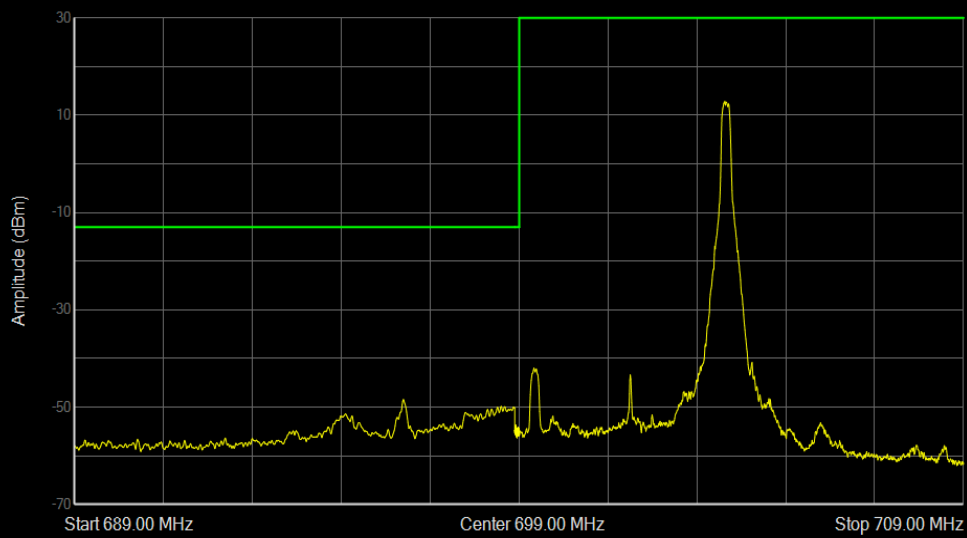


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0705	-40.36	-13
3	716.1	734.75	100	716.1373	-35.48	-13

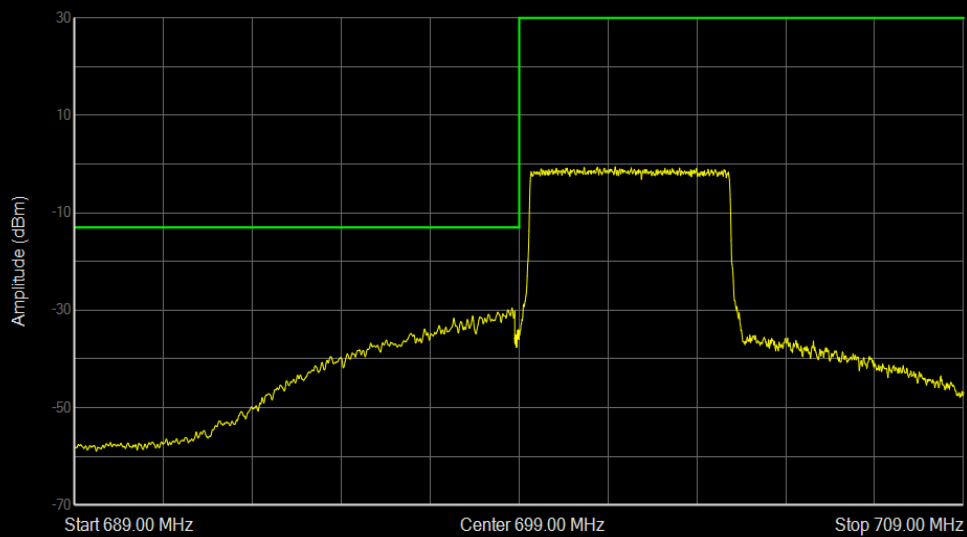
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=1@0



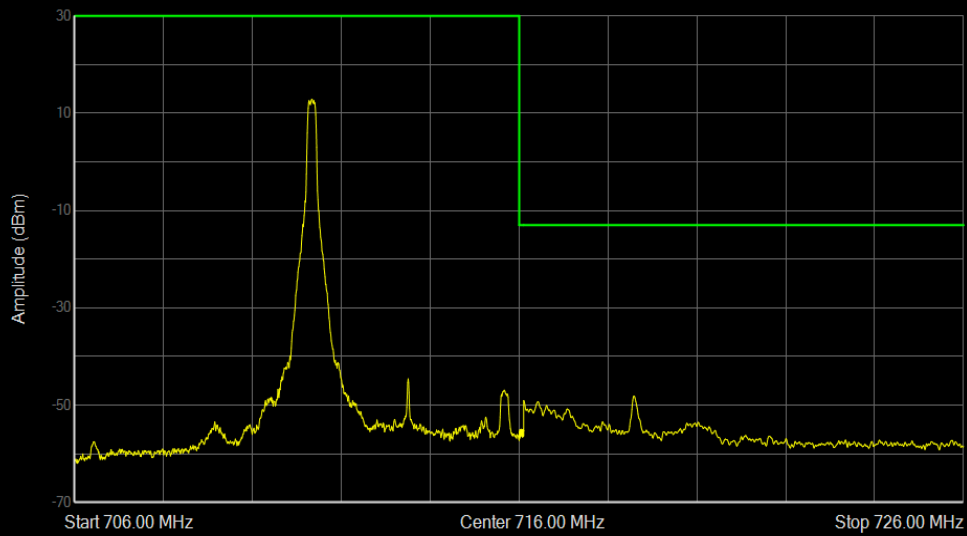
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-29.25	-13
2	698.9	699	30	698.9978	-25.24	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=1@24

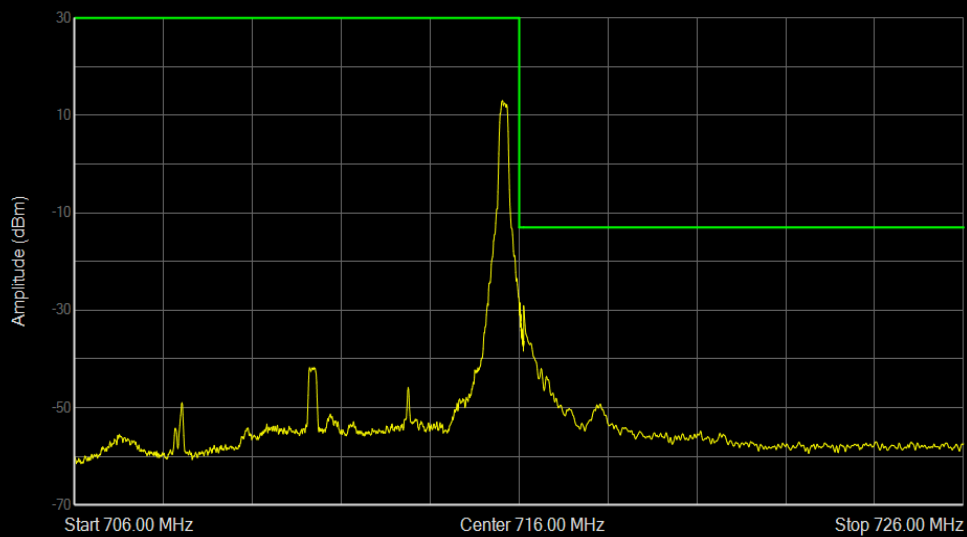
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	696.3953	-48.46	-13
2	698.9	699	30	698.917	-53.7	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8406	-29.53	-13
2	698.9	699	30	698.972	-34.07	-13

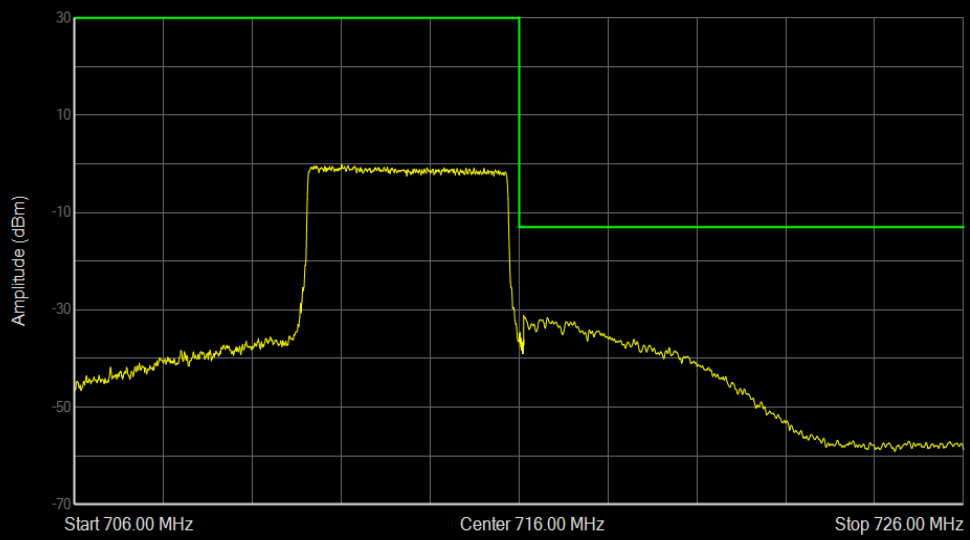
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0886	-54.96	-13
3	716.1	726	100	718.5849	-48.13	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0062	-28.49	-13
3	716.1	726	100	716.1099	-30.32	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=25@0

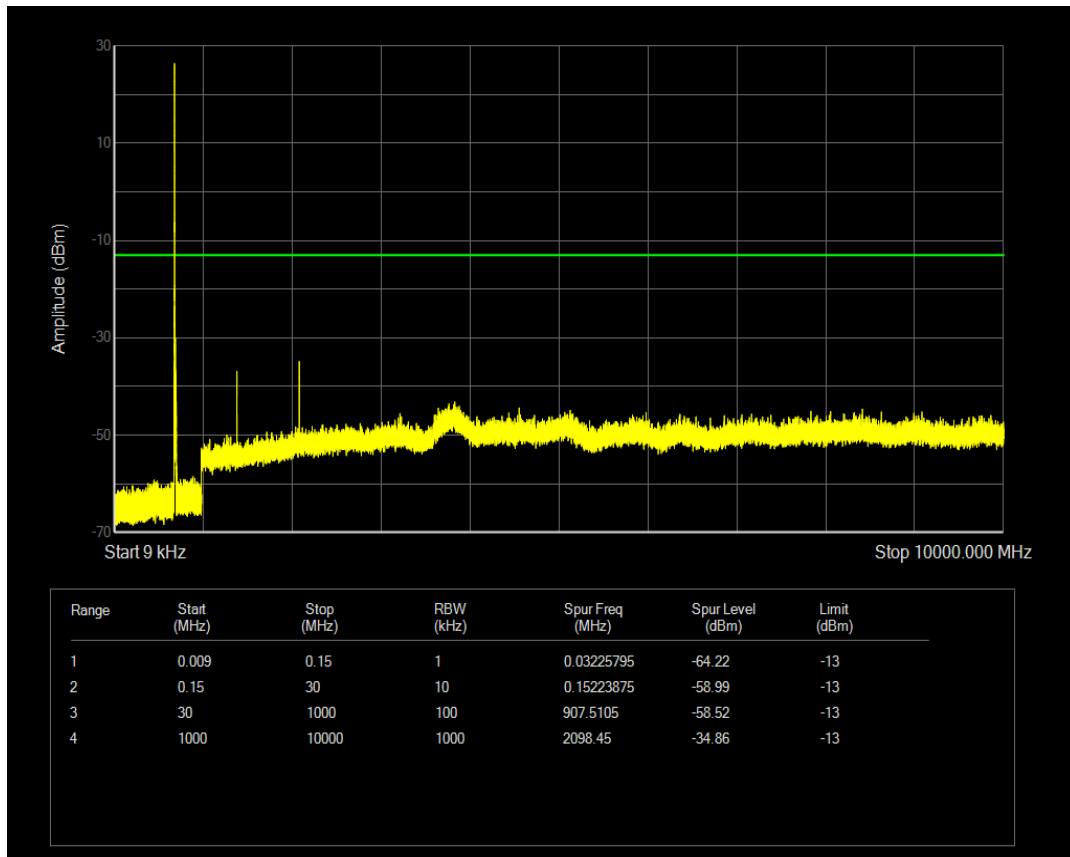


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0169	-34.74	-13
3	716.1	726	100	716.1099	-31.53	-13

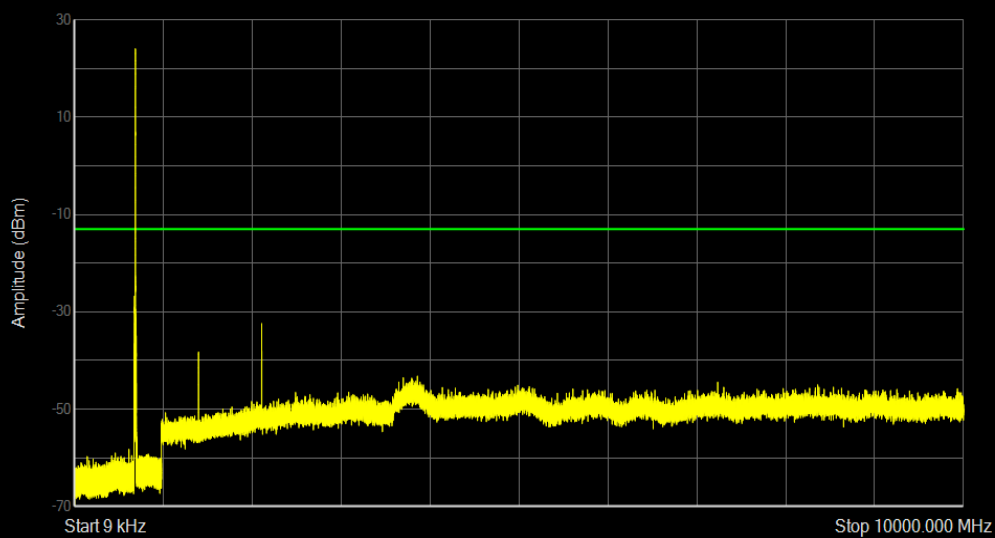
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n12	15	5	140300	25@0	CP_QPSK	1401.63	-41.45	-13	PASS
n12	15	5	140300	1@0	CP_QPSK	2098.45	-35.12	-13	PASS
n12	15	5	140300	1@24	CP_QPSK	2111.28	-32.96	-13	PASS
n12	15	5	142700	25@0	CP_QPSK	2141.65	-39.60	-13	PASS
n12	15	5	142700	1@0	CP_QPSK	1423.00	-38.43	-13	PASS
n12	15	5	142700	1@24	CP_QPSK	2147.05	-33.99	-13	PASS
n12	15	10	140800	52@0	CP_QPSK	2109.93	-43.15	-13	PASS
n12	15	10	140800	1@0	CP_QPSK	2098.45	-34.86	-13	PASS
n12	15	10	140800	1@51	CP_QPSK	2125.90	-32.44	-13	PASS
n12	15	10	142200	52@0	CP_QPSK	3828.70	-43.17	-13	PASS
n12	15	10	142200	1@0	CP_QPSK	2119.38	-31.96	-13	PASS
n12	15	10	142200	1@51	CP_QPSK	1431.33	-36.47	-13	PASS
n12	15	15	141300	79@0	CP_QPSK	3799.90	-43.72	-13	PASS
n12	15	15	141300	1@0	CP_QPSK	2098.68	-33.01	-13	PASS
n12	15	15	141300	1@78	CP_QPSK	2140.53	-34.49	-13	PASS
n12	15	15	141700	79@0	CP_QPSK	3848.05	-43.05	-13	PASS
n12	15	15	141700	1@0	CP_QPSK	2104.75	-37.43	-13	PASS
n12	15	15	141700	1@78	CP_QPSK	1431.10	-36.74	-13	PASS

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@0

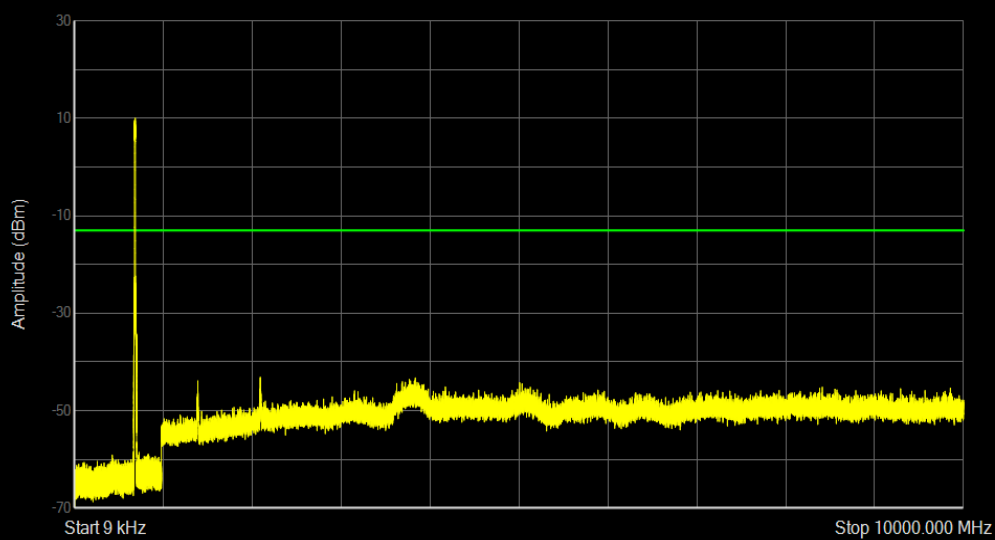


n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@51

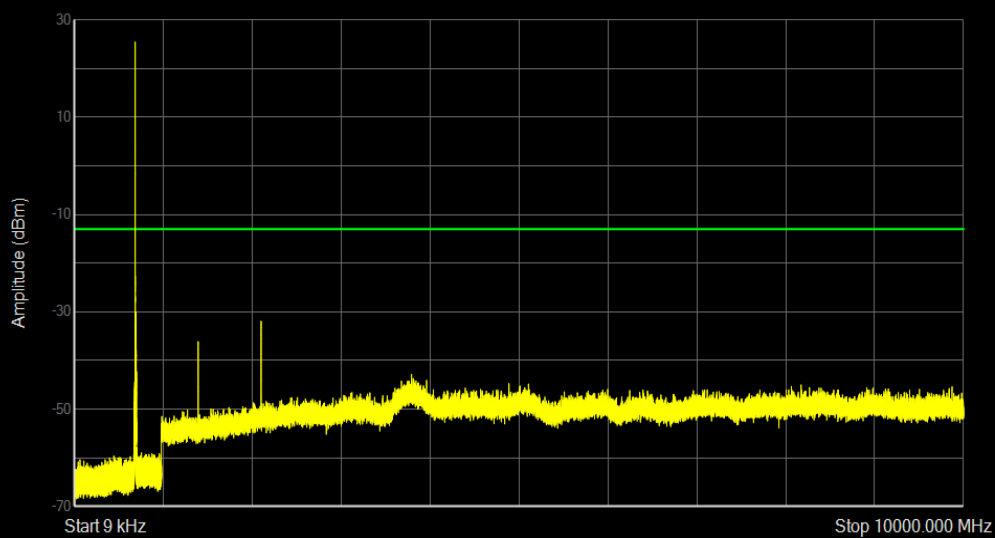


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.024569925	-64.28	-13
2	0.15	30	10	0.15	-61.03	-13
3	30	1000	100	636.51675	-58.26	-13
4	1000	10000	1000	2125.9	-32.44	-13

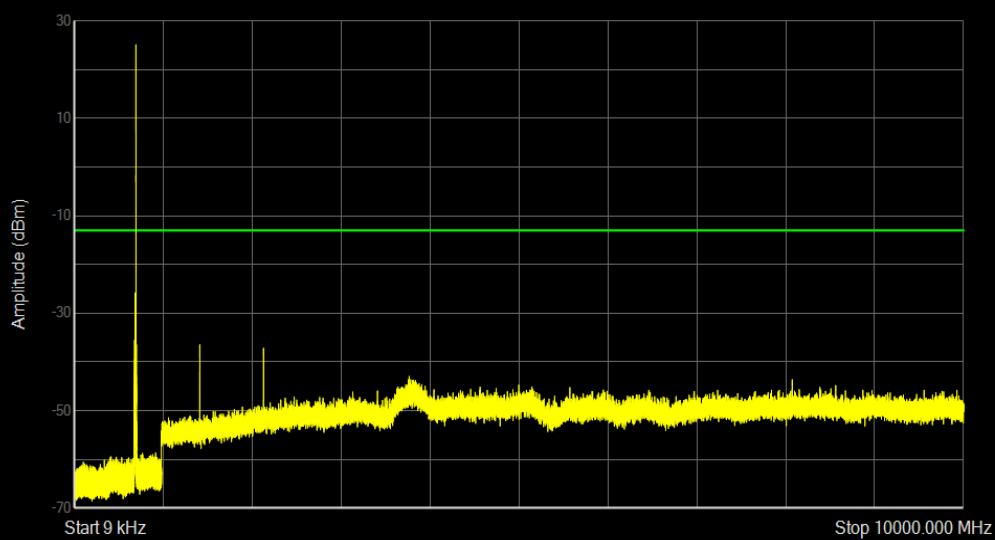
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=52@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06360225	-67.56	-13
2	0.15	30	10	0.1544775	-63.15	-13
3	30	1000	100	854.1605	-58.95	-13
4	1000	10000	1000	2109.925	-43.15	-13

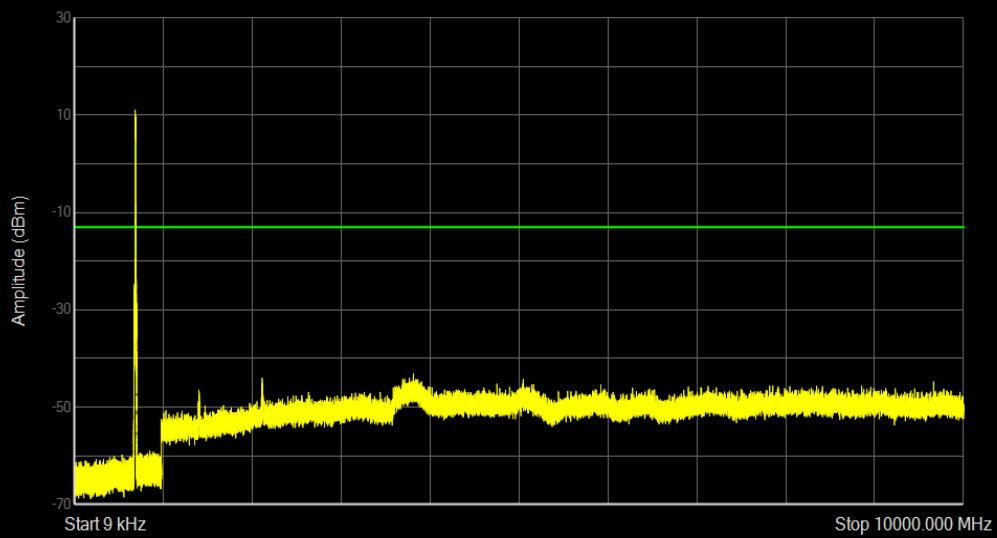
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0572925	-62.48	-13
2	0.15	30	10	0.1544775	-59.9	-13
3	30	1000	100	776.97275	-58.97	-13
4	1000	10000	1000	2119.375	-31.96	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=1@51

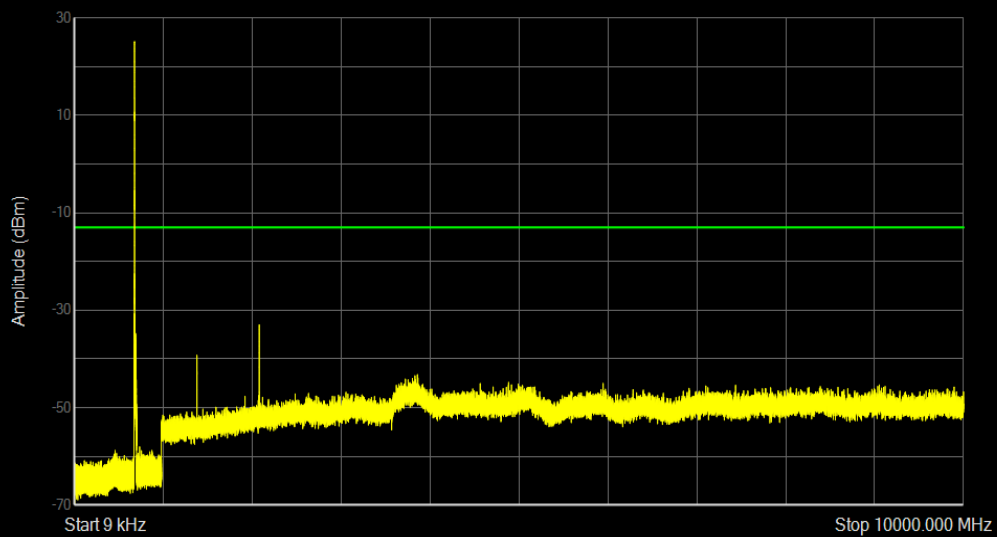
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.056901225	-63.4	-13
2	0.15	30	10	0.15223875	-59.98	-13
3	30	1000	100	936.6105	-58.67	-13
4	1000	10000	1000	1431.325	-36.47	-13

n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=52@0



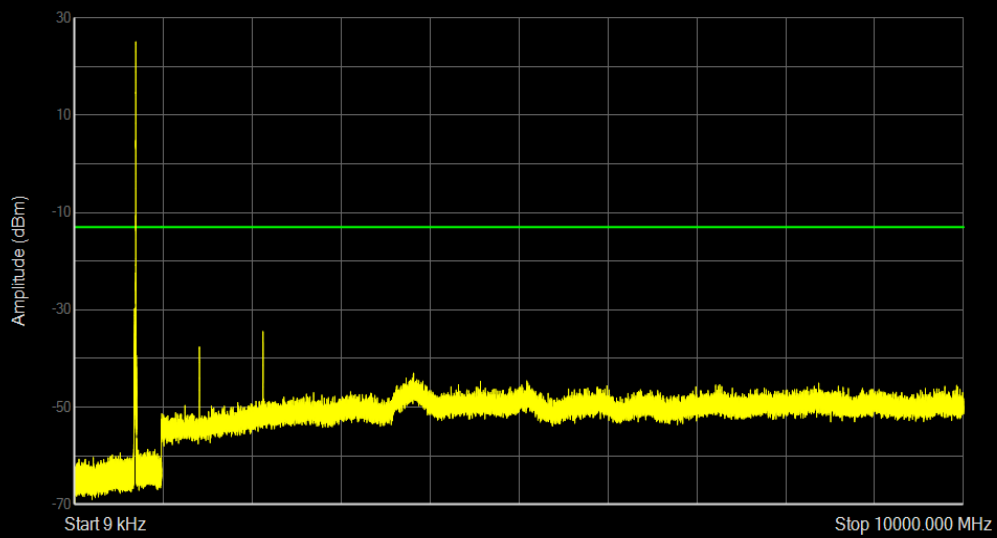
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063584625	-67.6	-13
2	0.15	30	10	0.16716375	-60.12	-13
3	30	1000	100	871.087	-59.03	-13
4	1000	10000	1000	3828.7	-43.17	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=1@0



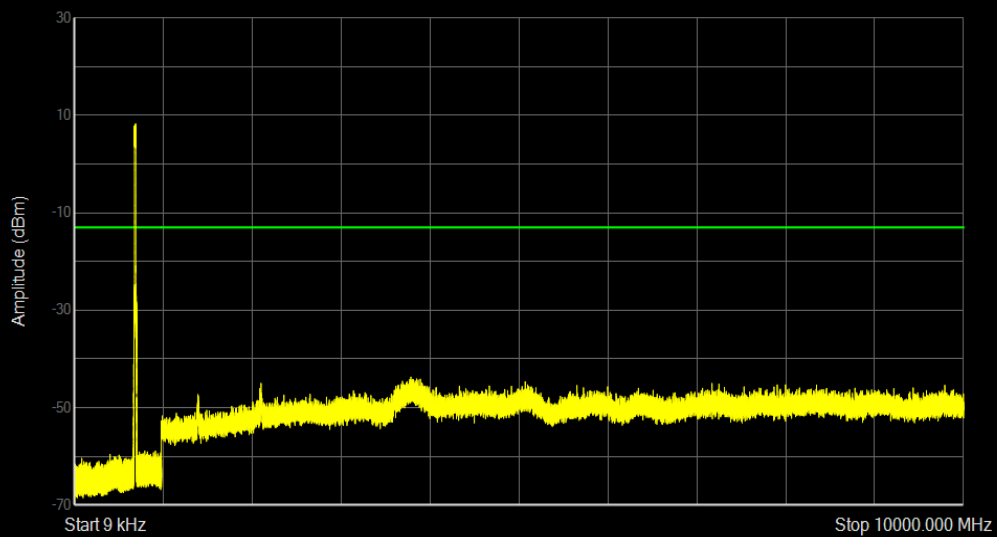
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.057528675	-64.04	-13
2	0.15	30	10	0.16417875	-61.22	-13
3	30	1000	100	894.8035	-58.78	-13
4	1000	10000	1000	2098.675	-33.01	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=1@78

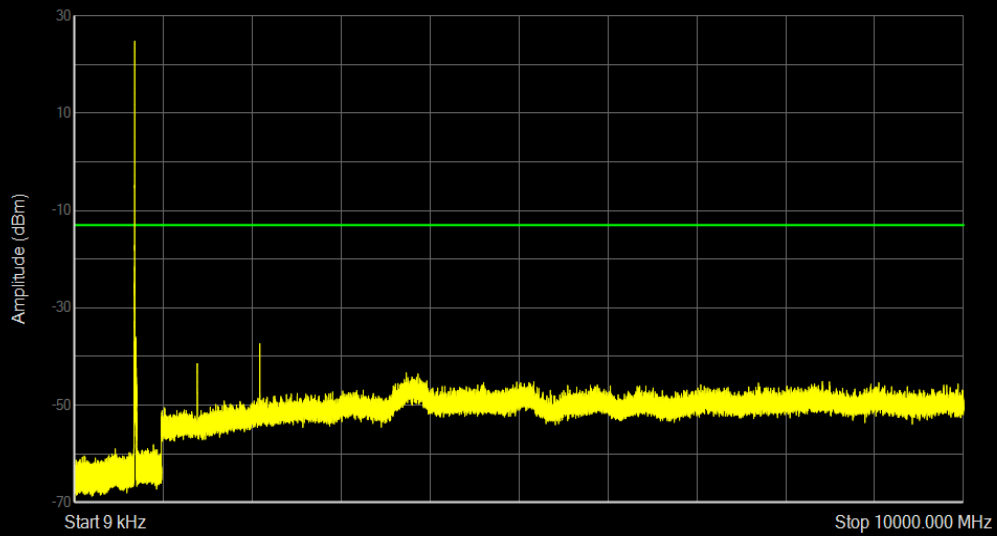


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063351975	-63.96	-13
2	0.15	30	10	0.16268625	-59.17	-13
3	30	1000	100	849.04375	-58.72	-13
4	1000	10000	1000	2140.525	-34.49	-13

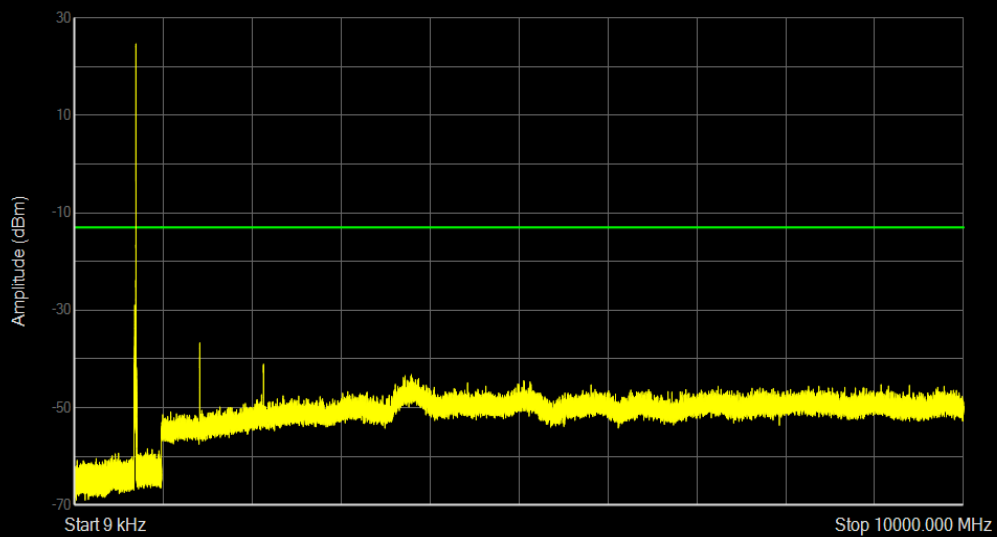
n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=79@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0632991	-66.36	-13
2	0.15	30	10	0.15	-60.73	-13
3	30	1000	100	933.5065	-58.9	-13
4	1000	10000	1000	3799.9	-43.72	-13

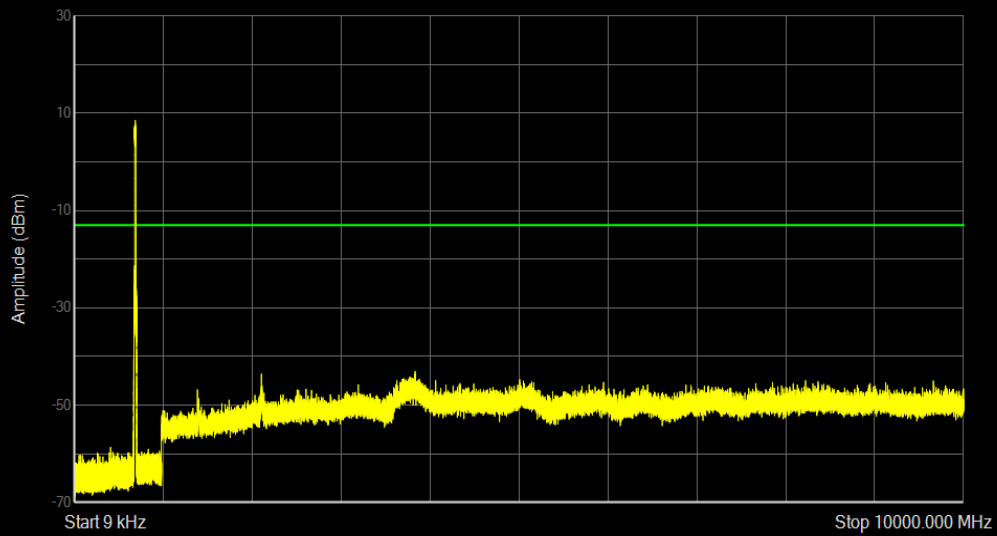
n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.03170805	-63.83	-13
2	0.15	30	10	0.15223875	-60.79	-13
3	30	1000	100	912.312	-58.13	-13
4	1000	10000	1000	2104.75	-37.43	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=1@78

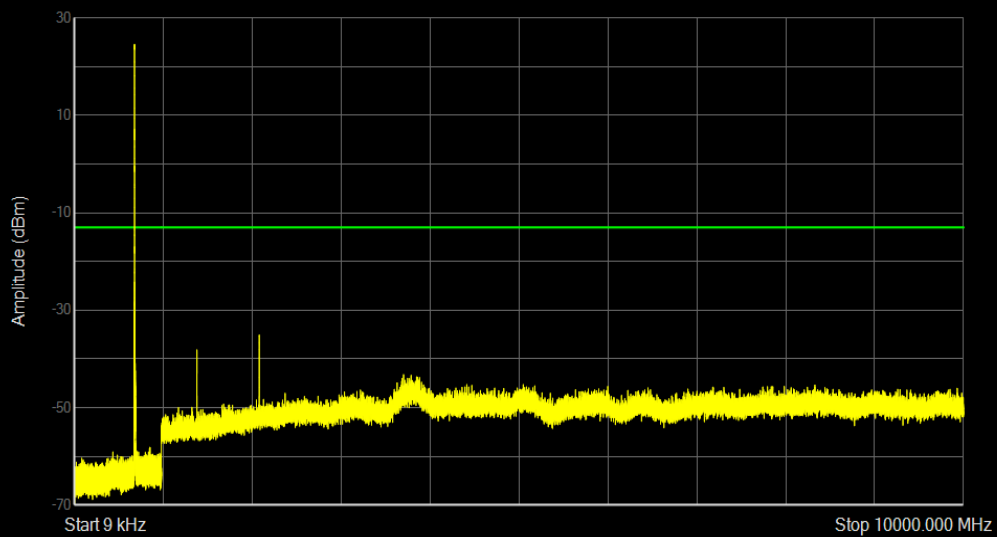
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063225075	-63.13	-13
2	0.15	30	10	0.15223875	-58.65	-13
3	30	1000	100	844.897	-58.42	-13
4	1000	10000	1000	1431.1	-36.74	-13

n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=79@0

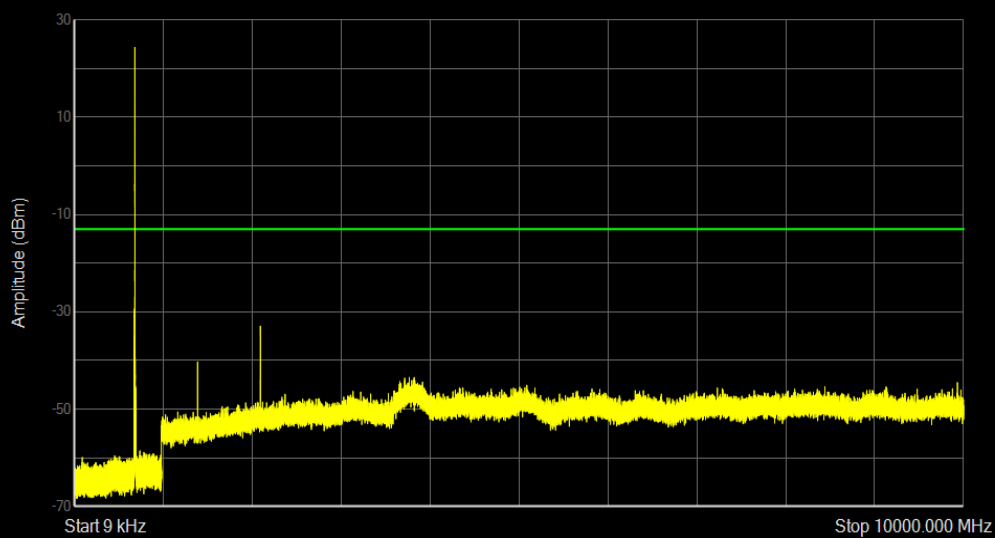


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063330825	-68.16	-13
2	0.15	30	10	0.16417875	-62.16	-13
3	30	1000	100	430.87675	-58.68	-13
4	1000	10000	1000	3848.05	-43.05	-13

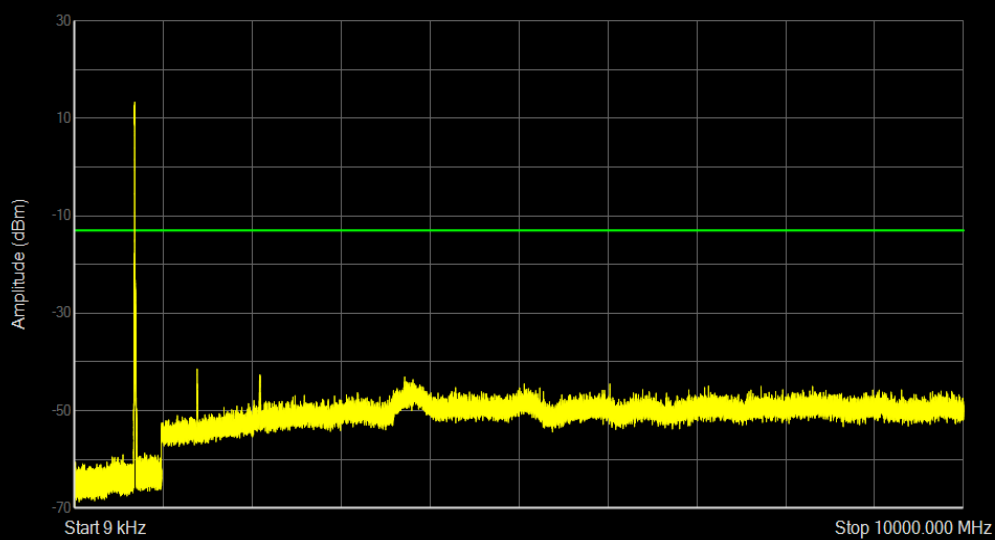
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=1@0



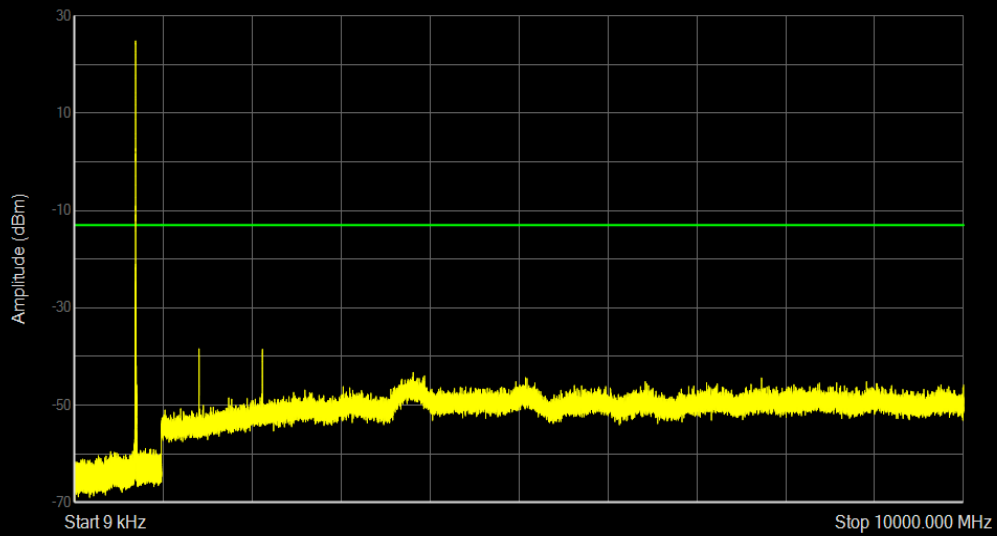
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.064007625	-64.18	-13
2	0.15	30	10	0.15	-60.11	-13
3	30	1000	100	872.95425	-58.16	-13
4	1000	10000	1000	2098.45	-35.12	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=1@24

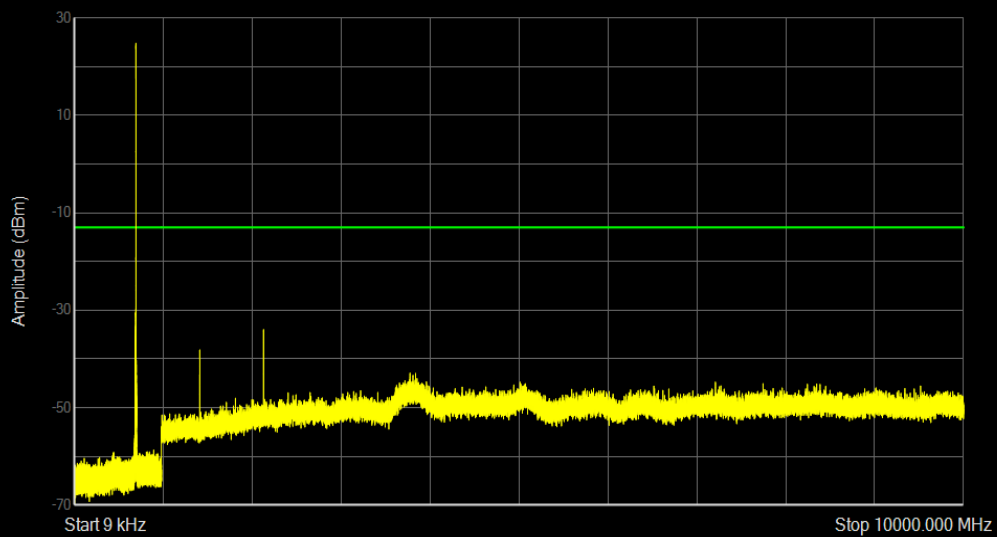
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015609375	-63.77	-13
2	0.15	30	10	0.15	-60.67	-13
3	30	1000	100	759.4885	-58.55	-13
4	1000	10000	1000	2111.275	-32.96	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0634965	-67.41	-13
2	0.15	30	10	0.15	-60.29	-13
3	30	1000	100	813.54175	-58.71	-13
4	1000	10000	1000	1401.625	-41.45	-13

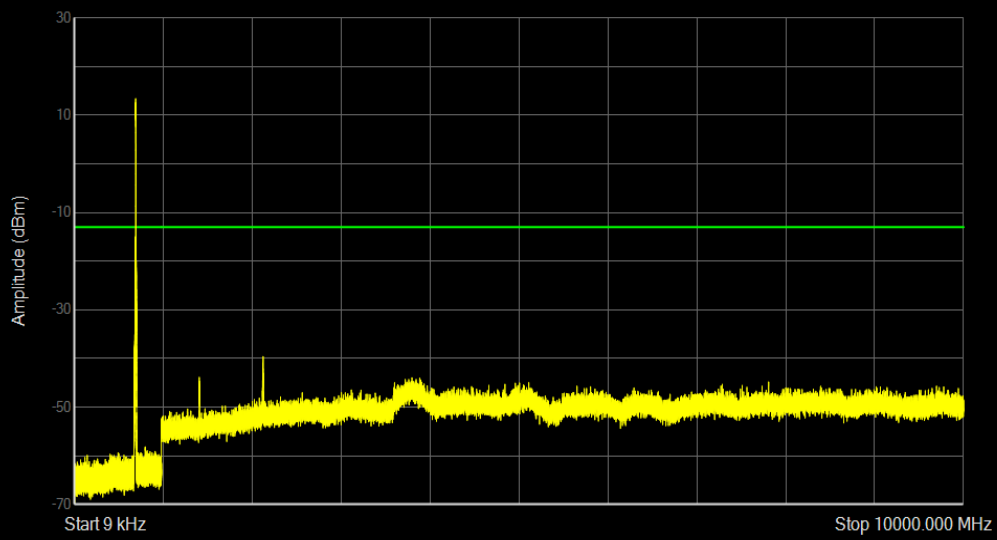
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.061582425	-63.37	-13
2	0.15	30	10	0.15	-60.51	-13
3	30	1000	100	822.61125	-58.91	-13
4	1000	10000	1000	1423	-38.43	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.02482725	-63.94	-13
2	0.15	30	10	0.1723875	-59.22	-13
3	30	1000	100	914.543	-58.72	-13
4	1000	10000	1000	2147.05	-33.99	-13

n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=25@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063112275	-67.69	-13
2	0.15	30	10	0.18582	-61.98	-13
3	30	1000	100	818.998	-58.16	-13
4	1000	10000	1000	2141.65	-39.6	-13