

TABLE OF CONTENTS

1 Conducted output power for NR FR1	2
2 Frequency stability for NR FR1	4
3 Peak-to-Average Ratio for NR FR1	6
4 Occupied bandwidth for NR FR1	30
5 Band edge for NR FR1	38
6 Out-of-band emissions for NR FR1	48

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	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	5	140300	25@0	DFT_QPSK	21.78	-3.7	-5.85	15.93	34.77	PASS
n12	15	5	140300	12@6	DFT_QPSK	22.82	-3.7	-5.85	16.97	34.77	PASS
n12	15	5	140300	1@1	DFT_QPSK	22.96	-3.7	-5.85	17.11	34.77	PASS
n12	15	5	140300	1@23	DFT_QPSK	22.86	-3.7	-5.85	17.01	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM16	22.16	-3.7	-5.85	16.31	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM64	20.34	-3.7	-5.85	14.49	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM256	18.62	-3.7	-5.85	12.77	34.77	PASS
n12	15	5	140300	1@1	CP_QPSK	21.73	-3.7	-5.85	15.88	34.77	PASS
n12	15	5	141500	1@1	DFT_BPSK	22.84	-3.7	-5.85	16.99	34.77	PASS
n12	15	5	141500	25@0	DFT_QPSK	21.83	-3.7	-5.85	15.98	34.77	PASS
n12	15	5	141500	12@6	DFT_QPSK	22.79	-3.7	-5.85	16.94	34.77	PASS
n12	15	5	141500	1@1	DFT_QPSK	22.78	-3.7	-5.85	16.93	34.77	PASS
n12	15	5	141500	1@23	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM16	21.74	-3.7	-5.85	15.89	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM64	20.24	-3.7	-5.85	14.39	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM256	18.66	-3.7	-5.85	12.81	34.77	PASS
n12	15	5	141500	1@1	CP_QPSK	21.54	-3.7	-5.85	15.69	34.77	PASS
n12	15	5	142700	1@1	DFT_BPSK	22.66	-3.7	-5.85	16.81	34.77	PASS
n12	15	5	142700	25@0	DFT_QPSK	21.79	-3.7	-5.85	15.94	34.77	PASS
n12	15	5	142700	12@6	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	5	142700	1@1	DFT_QPSK	22.76	-3.7	-5.85	16.91	34.77	PASS
n12	15	5	142700	1@23	DFT_QPSK	22.77	-3.7	-5.85	16.92	34.77	PASS
n12	15	5	142700	1@1	DFT_QAM16	21.51	-3.7	-5.85	15.66	34.77	PASS
n12	15	5	142700	1@1	DFT_QAM64	20.08	-3.7	-5.85	14.23	34.77	PASS
n12	15	5	142700	1@1	DFT_QAM256	18.06	-3.7	-5.85	12.21	34.77	PASS
n12	15	5	142700	1@1	CP_QPSK	21.75	-3.7	-5.85	15.90	34.77	PASS
n12	15	10	140800	1@1	DFT_BPSK	23.08	-3.7	-5.85	17.23	34.77	PASS
n12	15	10	140800	50@0	DFT_QPSK	21.77	-3.7	-5.85	15.92	34.77	PASS
n12	15	10	140800	25@12	DFT_QPSK	22.79	-3.7	-5.85	16.94	34.77	PASS
n12	15	10	140800	1@1	DFT_QPSK	22.77	-3.7	-5.85	16.92	34.77	PASS
n12	15	10	140800	1@50	DFT_QPSK	22.8	-3.7	-5.85	16.95	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM16	21.83	-3.7	-5.85	15.98	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM64	20.42	-3.7	-5.85	14.57	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM256	19.04	-3.7	-5.85	13.19	34.77	PASS
n12	15	10	140800	1@1	CP_QPSK	20.76	-3.7	-5.85	14.91	34.77	PASS
n12	15	10	141500	1@1	DFT_BPSK	22.81	-3.7	-5.85	16.96	34.77	PASS

n12	15	10	141500	50@0	DFT_QPSK	21.72	-3.7	-5.85	15.87	34.77	PASS
n12	15	10	141500	25@12	DFT_QPSK	22.79	-3.7	-5.85	16.94	34.77	PASS
n12	15	10	141500	1@1	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	10	141500	1@50	DFT_QPSK	22.76	-3.7	-5.85	16.91	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM16	21.58	-3.7	-5.85	15.73	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM64	20.49	-3.7	-5.85	14.64	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM256	18.67	-3.7	-5.85	12.82	34.77	PASS
n12	15	10	141500	1@1	CP_QPSK	20.97	-3.7	-5.85	15.12	34.77	PASS
n12	15	10	142200	1@1	DFT_BPSK	22.97	-3.7	-5.85	17.12	34.77	PASS
n12	15	10	142200	50@0	DFT_QPSK	21.79	-3.7	-5.85	15.94	34.77	PASS
n12	15	10	142200	25@12	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	10	142200	1@1	DFT_QPSK	22.78	-3.7	-5.85	16.93	34.77	PASS
n12	15	10	142200	1@50	DFT_QPSK	22.69	-3.7	-5.85	16.84	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM16	22.22	-3.7	-5.85	16.37	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM64	20.11	-3.7	-5.85	14.26	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM256	18.46	-3.7	-5.85	12.61	34.77	PASS
n12	15	10	142200	1@1	CP_QPSK	20.87	-3.7	-5.85	15.02	34.77	PASS
n12	15	15	141300	1@1	DFT_BPSK	22.86	-3.7	-5.85	17.01	34.77	PASS
n12	15	15	141300	75@0	DFT_QPSK	21.77	-3.7	-5.85	15.92	34.77	PASS
n12	15	15	141300	36@18	DFT_QPSK	22.76	-3.7	-5.85	16.91	34.77	PASS
n12	15	15	141300	1@1	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	15	141300	1@77	DFT_QPSK	22.87	-3.7	-5.85	17.02	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM16	21.93	-3.7	-5.85	16.08	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM64	20.15	-3.7	-5.85	14.30	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM256	18.14	-3.7	-5.85	12.29	34.77	PASS
n12	15	15	141300	1@1	CP_QPSK	20.87	-3.7	-5.85	15.02	34.77	PASS
n12	15	15	141500	1@1	DFT_BPSK	22.83	-3.7	-5.85	16.98	34.77	PASS
n12	15	15	141500	75@0	DFT_QPSK	21.77	-3.7	-5.85	15.92	34.77	PASS
n12	15	15	141500	36@18	DFT_QPSK	22.76	-3.7	-5.85	16.91	34.77	PASS
n12	15	15	141500	1@1	DFT_QPSK	22.7	-3.7	-5.85	16.85	34.77	PASS
n12	15	15	141500	1@77	DFT_QPSK	22.72	-3.7	-5.85	16.87	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM16	21.71	-3.7	-5.85	15.86	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM64	20.46	-3.7	-5.85	14.61	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM256	18.49	-3.7	-5.85	12.64	34.77	PASS
n12	15	15	141500	1@1	CP_QPSK	21.18	-3.7	-5.85	15.33	34.77	PASS
n12	15	15	141700	1@1	DFT_BPSK	22.73	-3.7	-5.85	16.88	34.77	PASS
n12	15	15	141700	75@0	DFT_QPSK	21.76	-3.7	-5.85	15.91	34.77	PASS
n12	15	15	141700	36@18	DFT_QPSK	22.75	-3.7	-5.85	16.90	34.77	PASS
n12	15	15	141700	1@1	DFT_QPSK	22.48	-3.7	-5.85	16.63	34.77	PASS
n12	15	15	141700	1@77	DFT_QPSK	22.45	-3.7	-5.85	16.60	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM16	22.04	-3.7	-5.85	16.19	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM64	20.28	-3.7	-5.85	14.43	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM256	18.51	-3.7	-5.85	12.66	34.77	PASS
n12	15	15	141700	1@1	CP_QPSK	21.51	-3.7	-5.85	15.66	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	-2.75	-0.00392	-2.5	2.5	PASS
n12	15	5	140300	1@1	DFT_BPSK	-0.55	-0.00078	-2.5	2.5	PASS
n12	15	5	140300	1@23	DFT_BPSK	-3.07	-0.00438	-2.5	2.5	PASS
n12	15	5	140300	12@6	DFT_QPSK	-0.19	-0.00027	-2.5	2.5	PASS
n12	15	5	140300	1@1	DFT_QPSK	-5.03	-0.00717	-2.5	2.5	PASS
n12	15	5	140300	1@23	DFT_QPSK	-3.02	-0.00431	-2.5	2.5	PASS
n12	15	5	141500	12@6	DFT_BPSK	-2.44	-0.00345	-2.5	2.5	PASS
n12	15	5	141500	1@1	DFT_BPSK	2.70	0.00382	-2.5	2.5	PASS
n12	15	5	141500	1@23	DFT_BPSK	2.17	0.00307	-2.5	2.5	PASS
n12	15	5	141500	12@6	DFT_QPSK	0.32	0.00045	-2.5	2.5	PASS
n12	15	5	141500	1@1	DFT_QPSK	2.81	0.00397	-2.5	2.5	PASS
n12	15	5	141500	1@23	DFT_QPSK	-3.86	-0.00546	-2.5	2.5	PASS
n12	15	5	142700	12@6	DFT_BPSK	-2.24	-0.00314	-2.5	2.5	PASS
n12	15	5	142700	1@1	DFT_BPSK	-10.78	-0.01511	-2.5	2.5	PASS
n12	15	5	142700	1@23	DFT_BPSK	-8.87	-0.01243	-2.5	2.5	PASS
n12	15	5	142700	12@6	DFT_QPSK	-4.20	-0.00589	-2.5	2.5	PASS
n12	15	5	142700	1@1	DFT_QPSK	-0.52	-0.00073	-2.5	2.5	PASS
n12	15	5	142700	1@23	DFT_QPSK	-4.85	-0.00680	-2.5	2.5	PASS
n12	15	10	140800	25@12	DFT_BPSK	-12.77	-0.01814	-2.5	2.5	PASS
n12	15	10	140800	1@1	DFT_BPSK	-8.97	-0.01274	-2.5	2.5	PASS
n12	15	10	140800	1@50	DFT_BPSK	-12.62	-0.01793	-2.5	2.5	PASS
n12	15	10	140800	25@12	DFT_QPSK	-6.78	-0.00963	-2.5	2.5	PASS
n12	15	10	140800	1@1	DFT_QPSK	-11.81	-0.01678	-2.5	2.5	PASS
n12	15	10	140800	1@50	DFT_QPSK	-8.91	-0.01266	-2.5	2.5	PASS
n12	15	10	141500	25@12	DFT_BPSK	-2.88	-0.00407	-2.5	2.5	PASS
n12	15	10	141500	1@1	DFT_BPSK	-3.80	-0.00537	-2.5	2.5	PASS
n12	15	10	141500	1@50	DFT_BPSK	-5.53	-0.00782	-2.5	2.5	PASS
n12	15	10	141500	25@12	DFT_QPSK	4.58	0.00647	-2.5	2.5	PASS
n12	15	10	141500	1@1	DFT_QPSK	-2.01	-0.00284	-2.5	2.5	PASS
n12	15	10	141500	1@50	DFT_QPSK	-1.10	-0.00155	-2.5	2.5	PASS
n12	15	10	142200	25@12	DFT_BPSK	-0.71	-0.00100	-2.5	2.5	PASS
n12	15	10	142200	1@1	DFT_BPSK	0.51	0.00072	-2.5	2.5	PASS
n12	15	10	142200	1@50	DFT_BPSK	-2.81	-0.00395	-2.5	2.5	PASS
n12	15	10	142200	25@12	DFT_QPSK	3.48	0.00489	-2.5	2.5	PASS
n12	15	10	142200	1@1	DFT_QPSK	-3.01	-0.00423	-2.5	2.5	PASS
n12	15	10	142200	1@50	DFT_QPSK	3.64	0.00512	-2.5	2.5	PASS
n12	15	15	141300	36@18	DFT_BPSK	0.48	0.00068	-2.5	2.5	PASS
n12	15	15	141300	1@1	DFT_BPSK	-0.83	-0.00117	-2.5	2.5	PASS

n12	15	15	141300	1@77	DFT_BPSK	7.22	0.01022	-2.5	2.5	PASS
n12	15	15	141300	36@18	DFT_QPSK	3.43	0.00485	-2.5	2.5	PASS
n12	15	15	141300	1@1	DFT_QPSK	4.15	0.00587	-2.5	2.5	PASS
n12	15	15	141300	1@77	DFT_QPSK	0.13	0.00018	-2.5	2.5	PASS
n12	15	15	141500	36@18	DFT_BPSK	-6.26	-0.00885	-2.5	2.5	PASS
n12	15	15	141500	1@1	DFT_BPSK	-8.60	-0.01216	-2.5	2.5	PASS
n12	15	15	141500	1@77	DFT_BPSK	-3.70	-0.00523	-2.5	2.5	PASS
n12	15	15	141500	36@18	DFT_QPSK	-6.91	-0.00977	-2.5	2.5	PASS
n12	15	15	141500	1@1	DFT_QPSK	-4.64	-0.00656	-2.5	2.5	PASS
n12	15	15	141500	1@77	DFT_QPSK	1.97	0.00278	-2.5	2.5	PASS
n12	15	15	141700	36@18	DFT_BPSK	-5.08	-0.00717	-2.5	2.5	PASS
n12	15	15	141700	1@1	DFT_BPSK	-4.15	-0.00586	-2.5	2.5	PASS
n12	15	15	141700	1@77	DFT_BPSK	-6.71	-0.00947	-2.5	2.5	PASS
n12	15	15	141700	36@18	DFT_QPSK	-5.40	-0.00762	-2.5	2.5	PASS
n12	15	15	141700	1@1	DFT_QPSK	-3.19	-0.00450	-2.5	2.5	PASS
n12	15	15	141700	1@77	DFT_QPSK	0.96	0.00135	-2.5	2.5	PASS

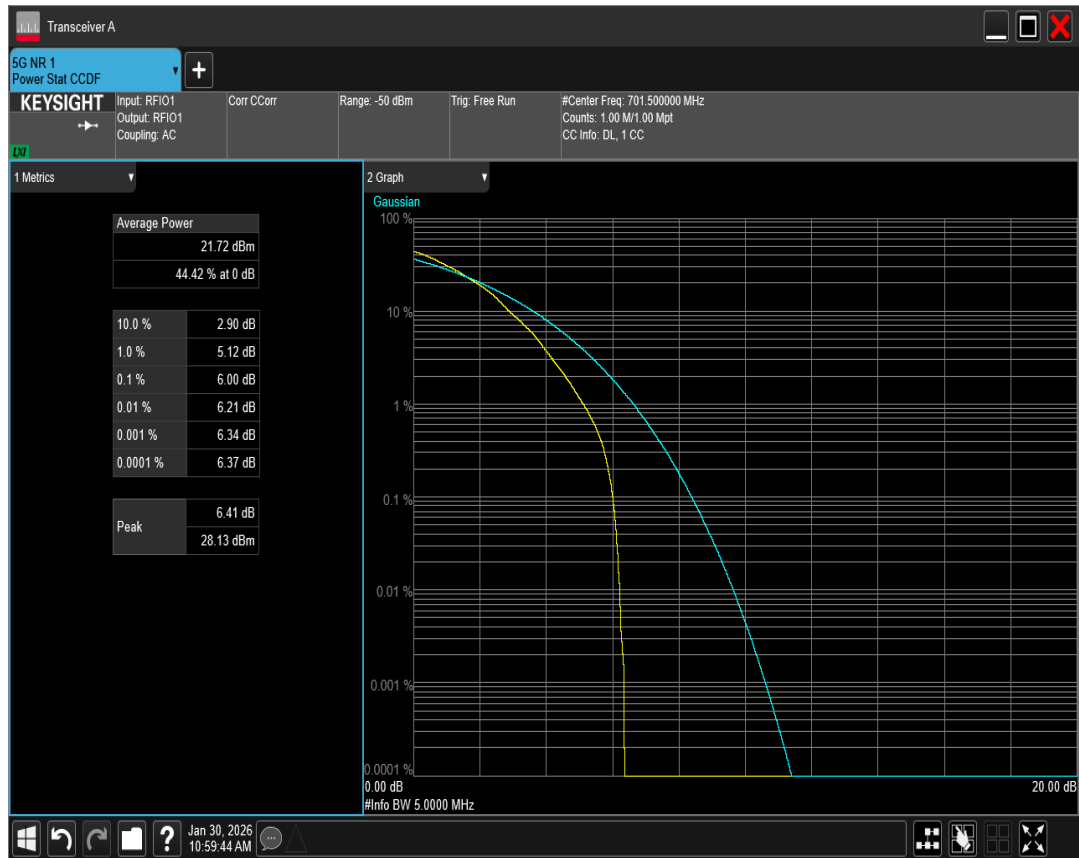
Note: (Voltage: 3.92V, Temperature: 25°C) only reflect the worst mode.

3 Peak-to-Average Ratio for NR FR1

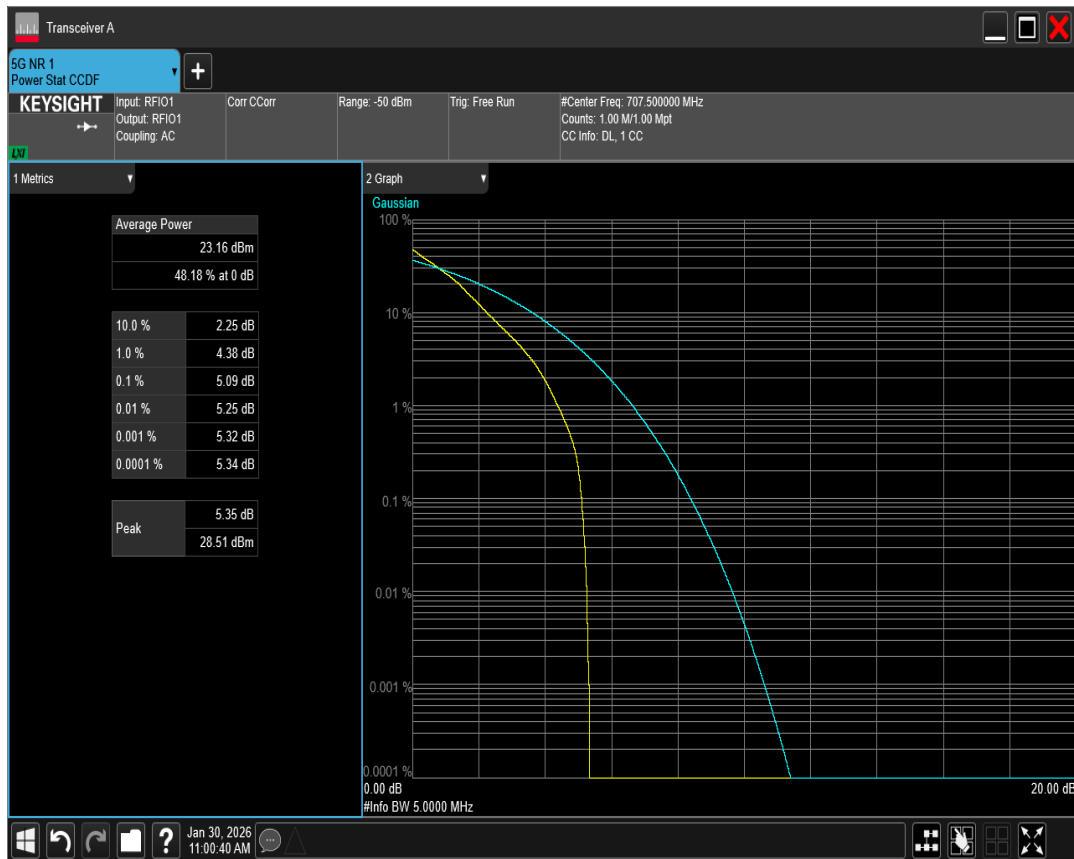
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n12	15	5	140300	25@0	DFT_BPSK	4.07	13	PASS
n12	15	5	140300	25@0	DFT_QPSK	5.14	13	PASS
n12	15	5	140300	25@0	DFT_QAM16	5.81	13	PASS
n12	15	5	140300	25@0	DFT_QAM64	6.00	13	PASS
n12	15	5	140300	25@0	DFT_QAM256	6.45	13	PASS
n12	15	5	141500	25@0	DFT_BPSK	4.09	13	PASS
n12	15	5	141500	25@0	DFT_QPSK	5.09	13	PASS
n12	15	5	141500	25@0	DFT_QAM16	5.66	13	PASS
n12	15	5	141500	25@0	DFT_QAM64	6.01	13	PASS
n12	15	5	141500	25@0	DFT_QAM256	6.31	13	PASS
n12	15	5	142700	25@0	DFT_BPSK	4.33	13	PASS
n12	15	5	142700	25@0	DFT_QPSK	5.23	13	PASS
n12	15	5	142700	25@0	DFT_QAM16	5.94	13	PASS
n12	15	5	142700	25@0	DFT_QAM64	6.28	13	PASS
n12	15	5	142700	25@0	DFT_QAM256	6.62	13	PASS
n12	15	10	140800	50@0	DFT_BPSK	4.19	13	PASS
n12	15	10	140800	50@0	DFT_QPSK	5.16	13	PASS
n12	15	10	140800	50@0	DFT_QAM16	5.88	13	PASS
n12	15	10	140800	50@0	DFT_QAM64	6.23	13	PASS
n12	15	10	140800	50@0	DFT_QAM256	6.53	13	PASS
n12	15	10	141500	50@0	DFT_BPSK	4.20	13	PASS
n12	15	10	141500	50@0	DFT_QPSK	5.30	13	PASS
n12	15	10	141500	50@0	DFT_QAM16	5.87	13	PASS
n12	15	10	141500	50@0	DFT_QAM64	6.30	13	PASS
n12	15	10	141500	50@0	DFT_QAM256	6.50	13	PASS
n12	15	10	142200	50@0	DFT_BPSK	4.43	13	PASS
n12	15	10	142200	50@0	DFT_QPSK	5.24	13	PASS
n12	15	10	142200	50@0	DFT_QAM16	5.81	13	PASS
n12	15	10	142200	50@0	DFT_QAM64	6.17	13	PASS
n12	15	10	142200	50@0	DFT_QAM256	6.57	13	PASS
n12	15	15	141300	75@0	DFT_BPSK	3.94	13	PASS
n12	15	15	141300	75@0	DFT_QPSK	5.15	13	PASS
n12	15	15	141300	75@0	DFT_QAM16	6.00	13	PASS
n12	15	15	141300	75@0	DFT_QAM64	6.09	13	PASS
n12	15	15	141300	75@0	DFT_QAM256	6.55	13	PASS
n12	15	15	141500	75@0	DFT_BPSK	4.20	13	PASS
n12	15	15	141500	75@0	DFT_QPSK	5.09	13	PASS
n12	15	15	141500	75@0	DFT_QAM16	5.77	13	PASS
n12	15	15	141500	75@0	DFT_QAM64	5.98	13	PASS
n12	15	15	141500	75@0	DFT_QAM256	6.38	13	PASS

n12	15	15	141700	75@0	DFT_BPSK	4.14	13	PASS
n12	15	15	141700	75@0	DFT_QPSK	5.12	13	PASS
n12	15	15	141700	75@0	DFT_QAM16	5.89	13	PASS
n12	15	15	141700	75@0	DFT_QAM64	5.97	13	PASS
n12	15	15	141700	75@0	DFT_QAM256	6.63	13	PASS

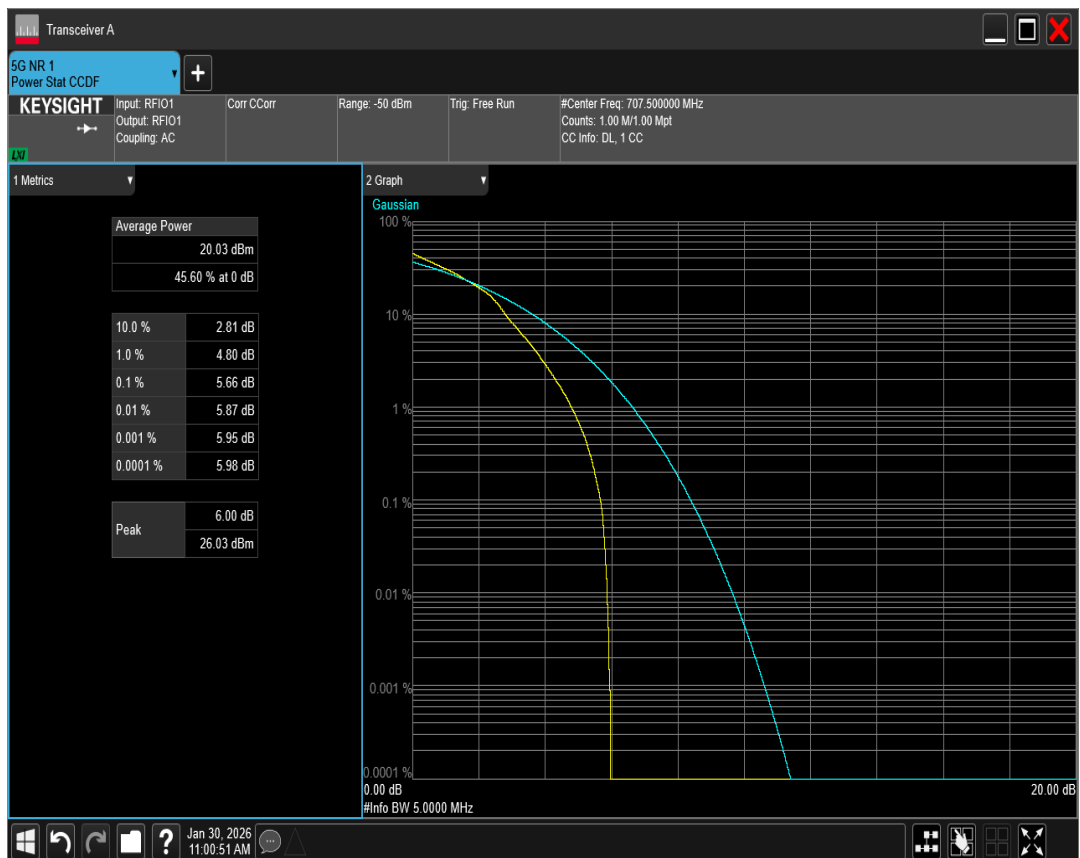
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=140300 RB=25@0



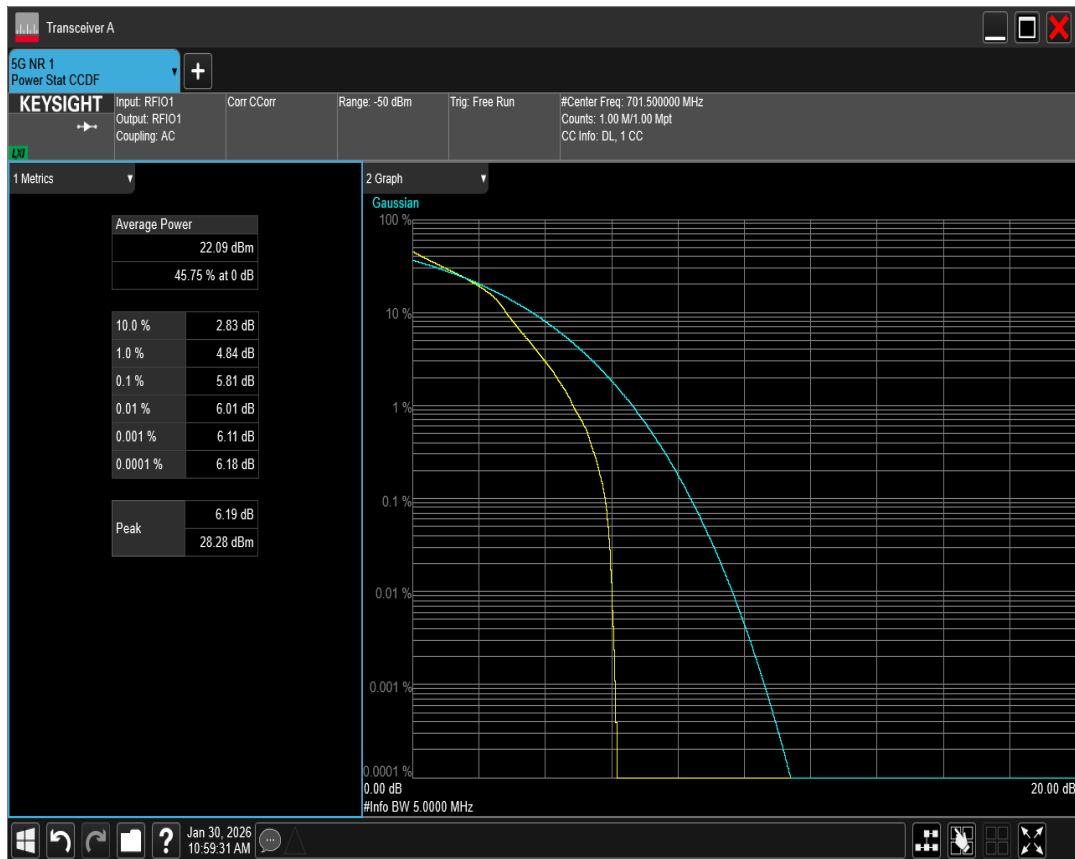
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



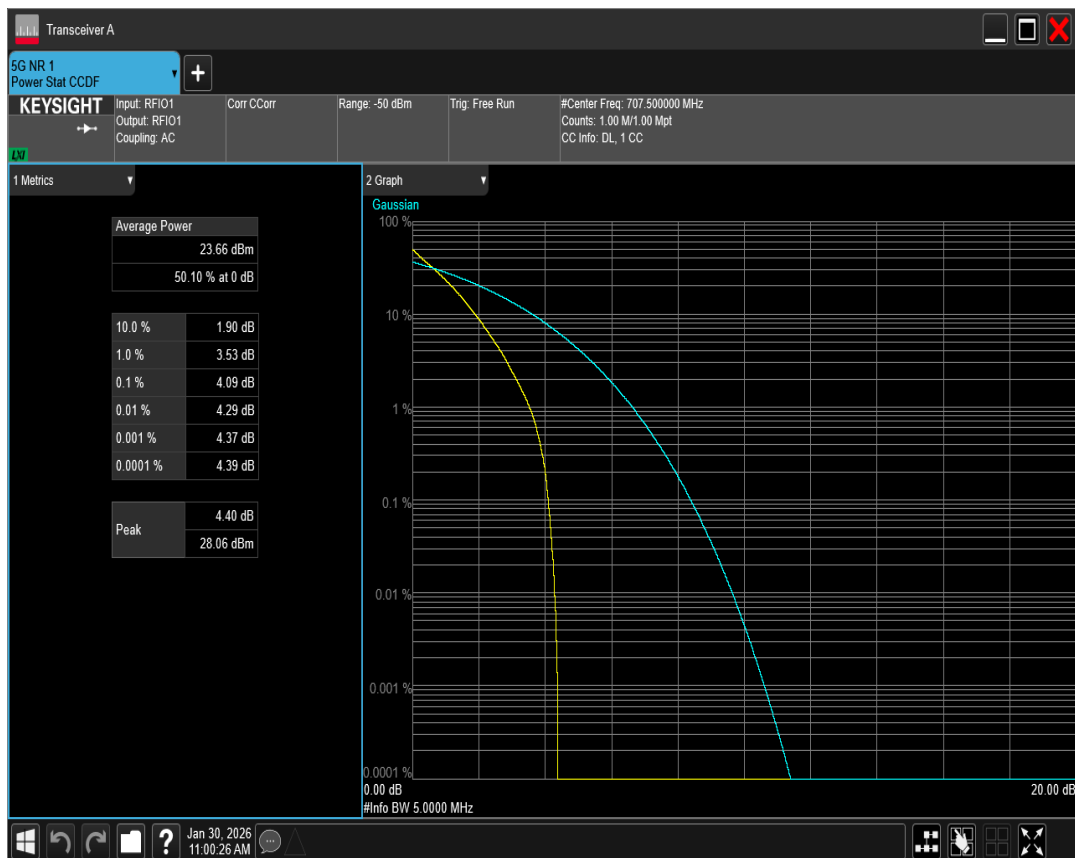
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=141500 RB=25@0



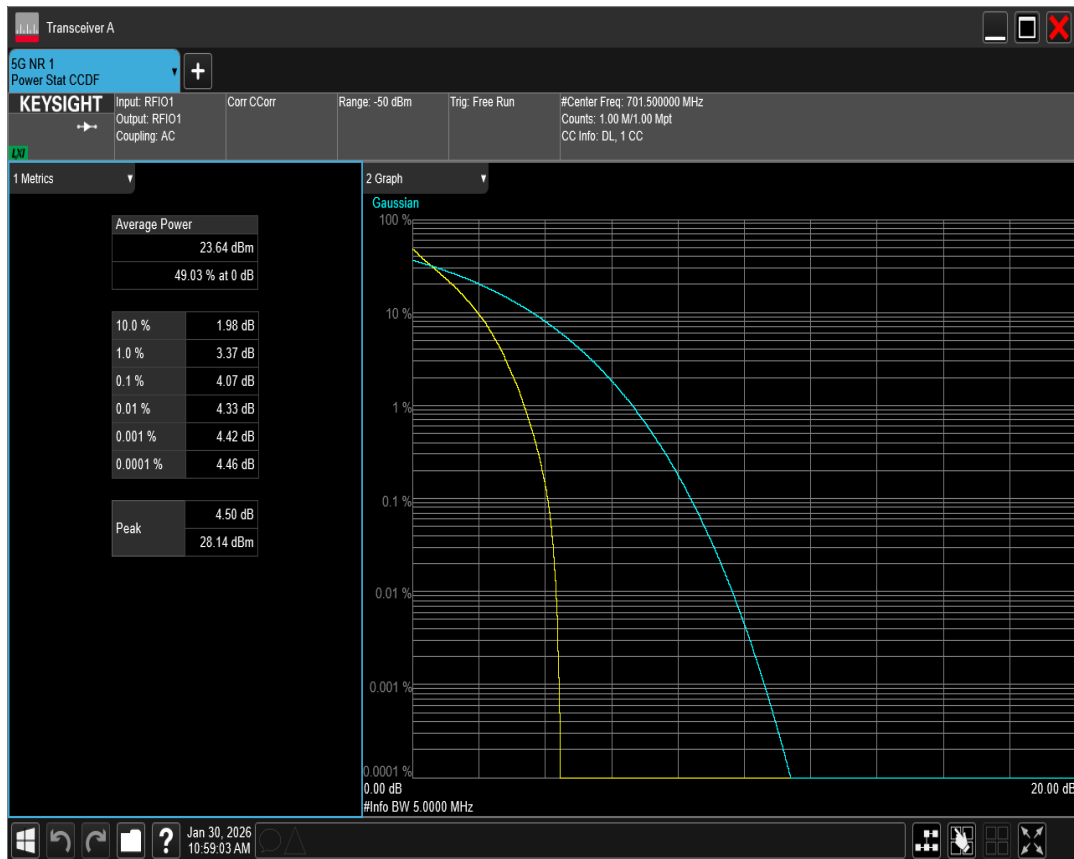
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=140300 RB=25@0



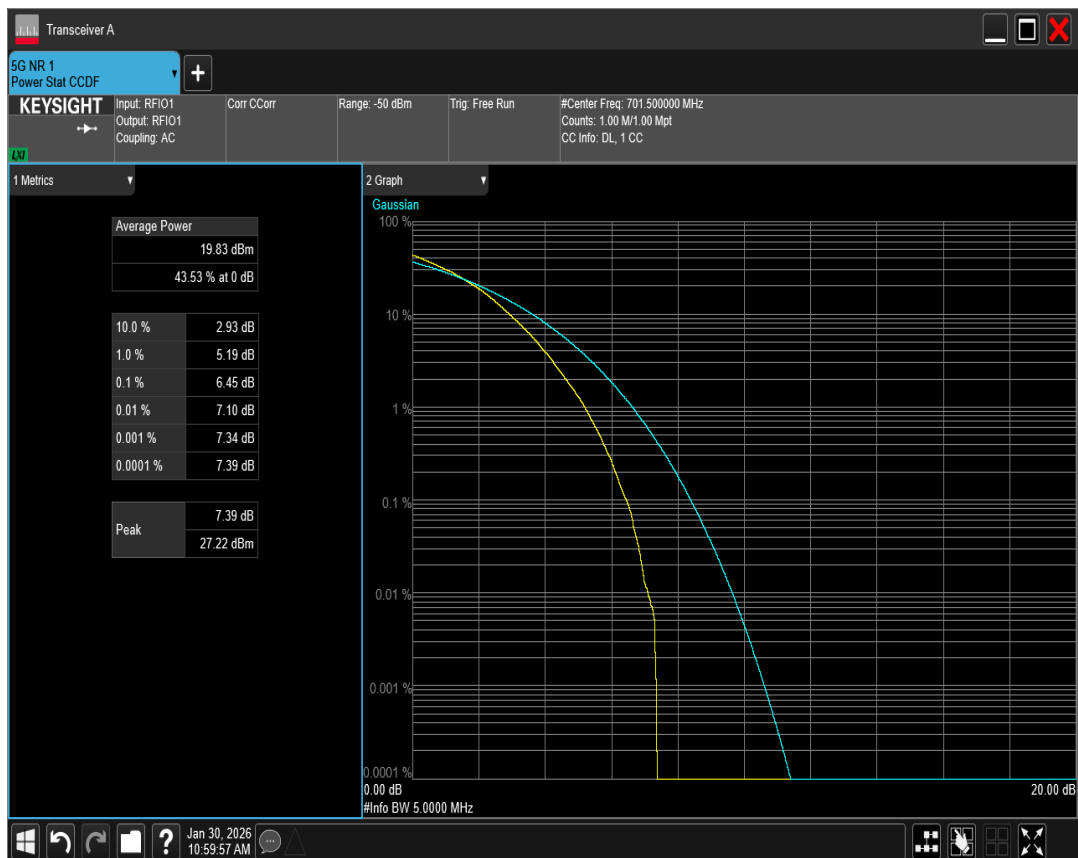
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



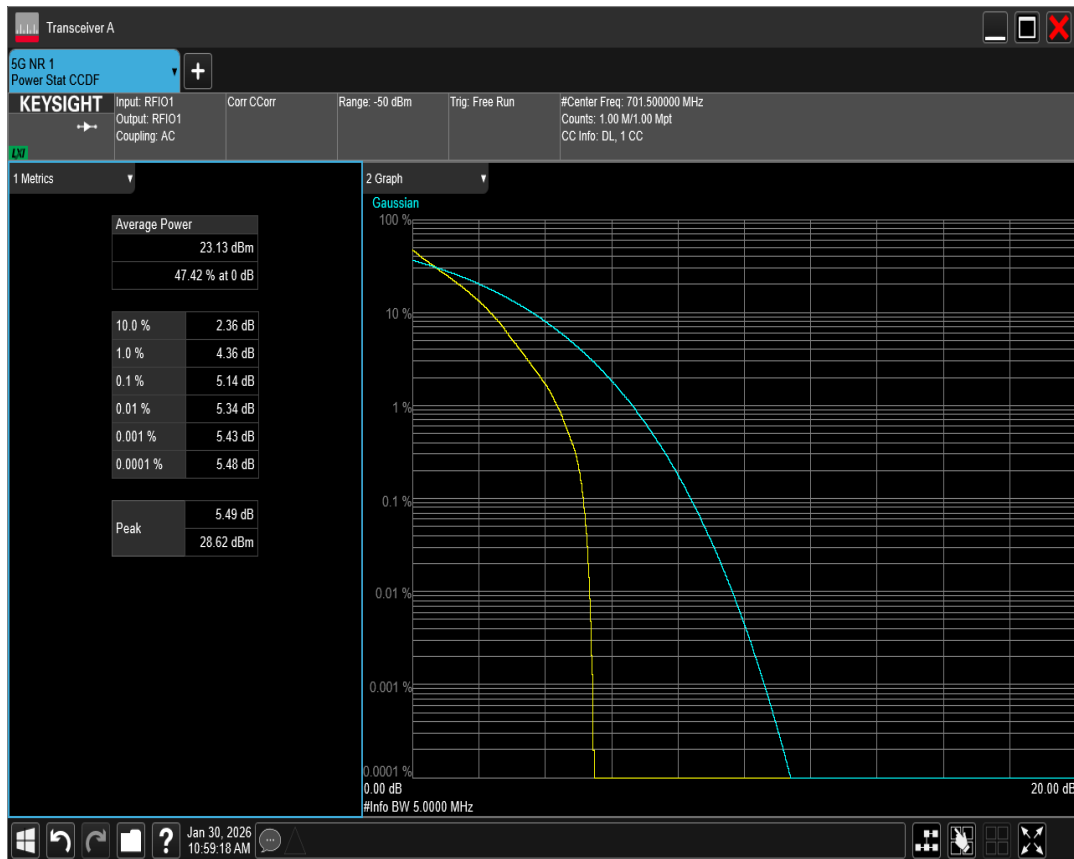
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=140300 RB=25@0



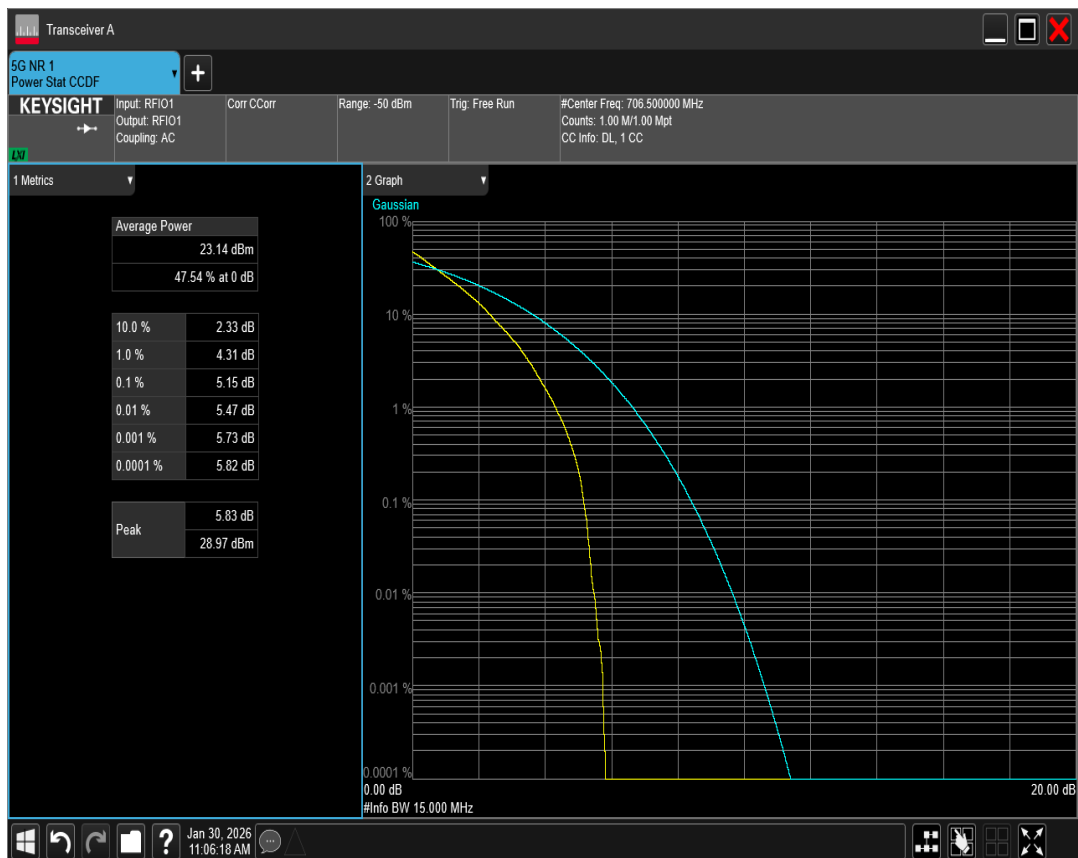
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=140300 RB=25@0



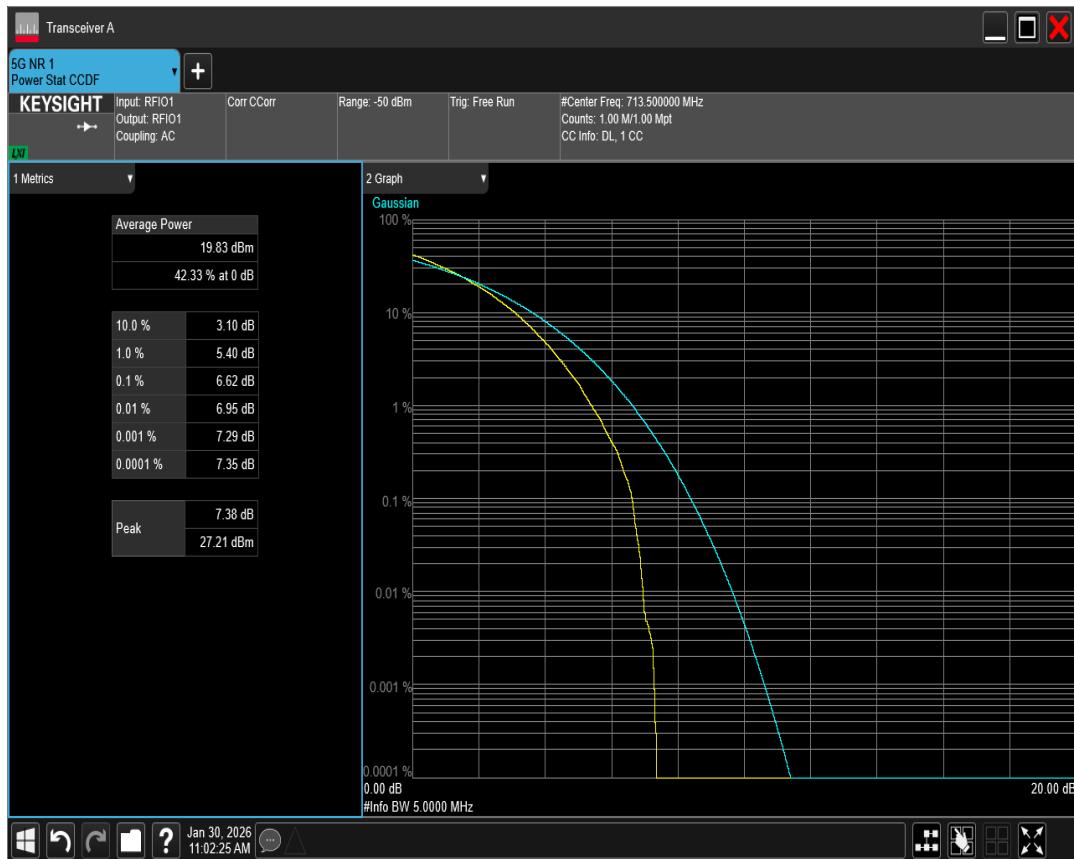
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=25@0



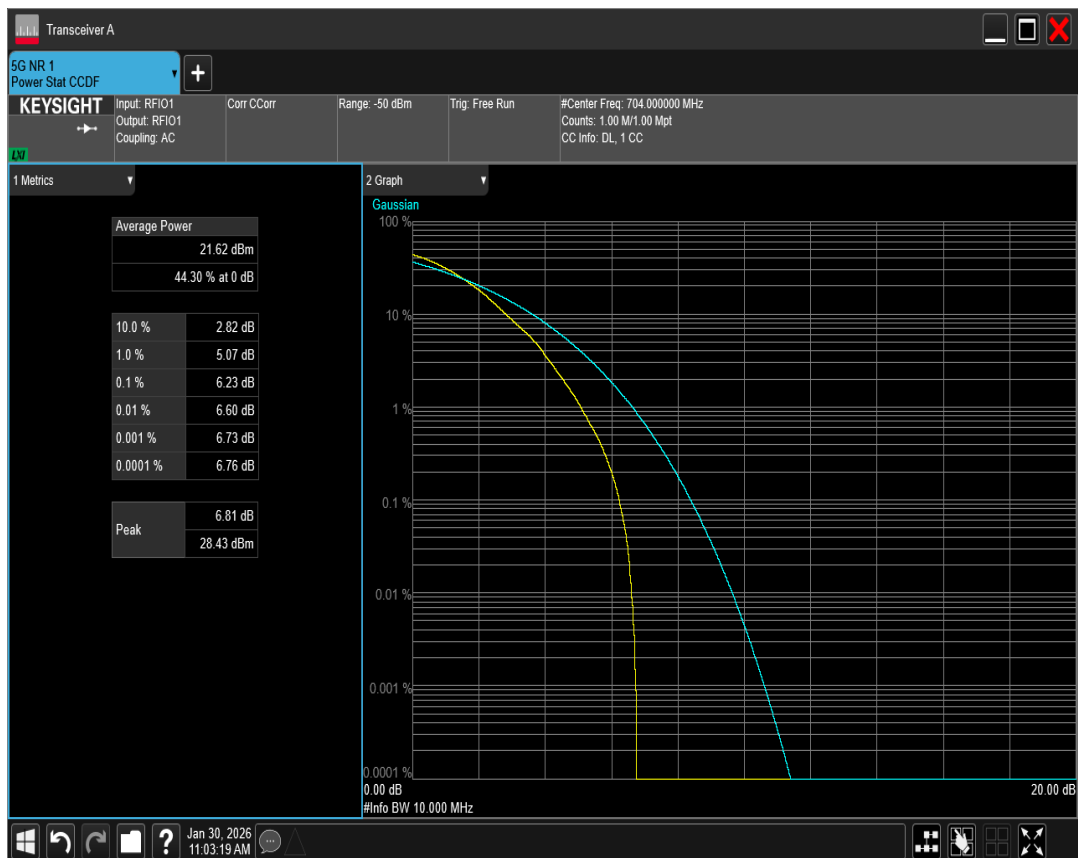
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=75@0



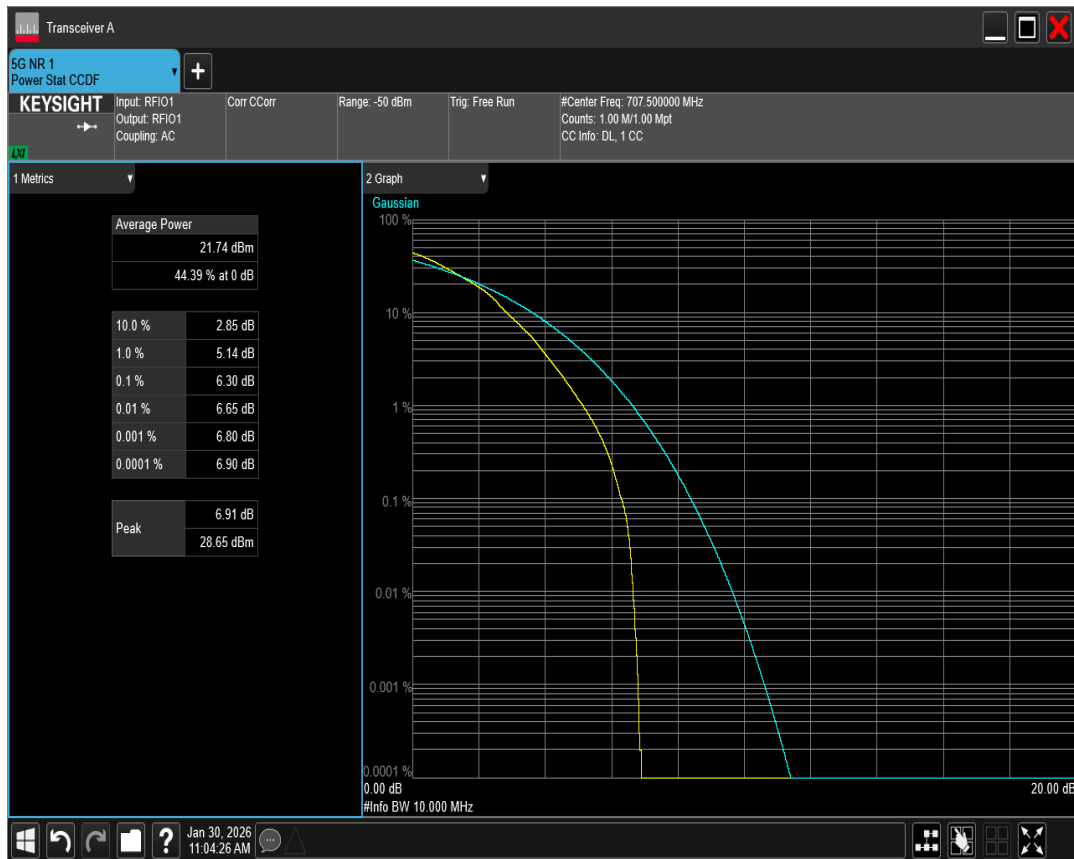
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=142700 RB=25@0



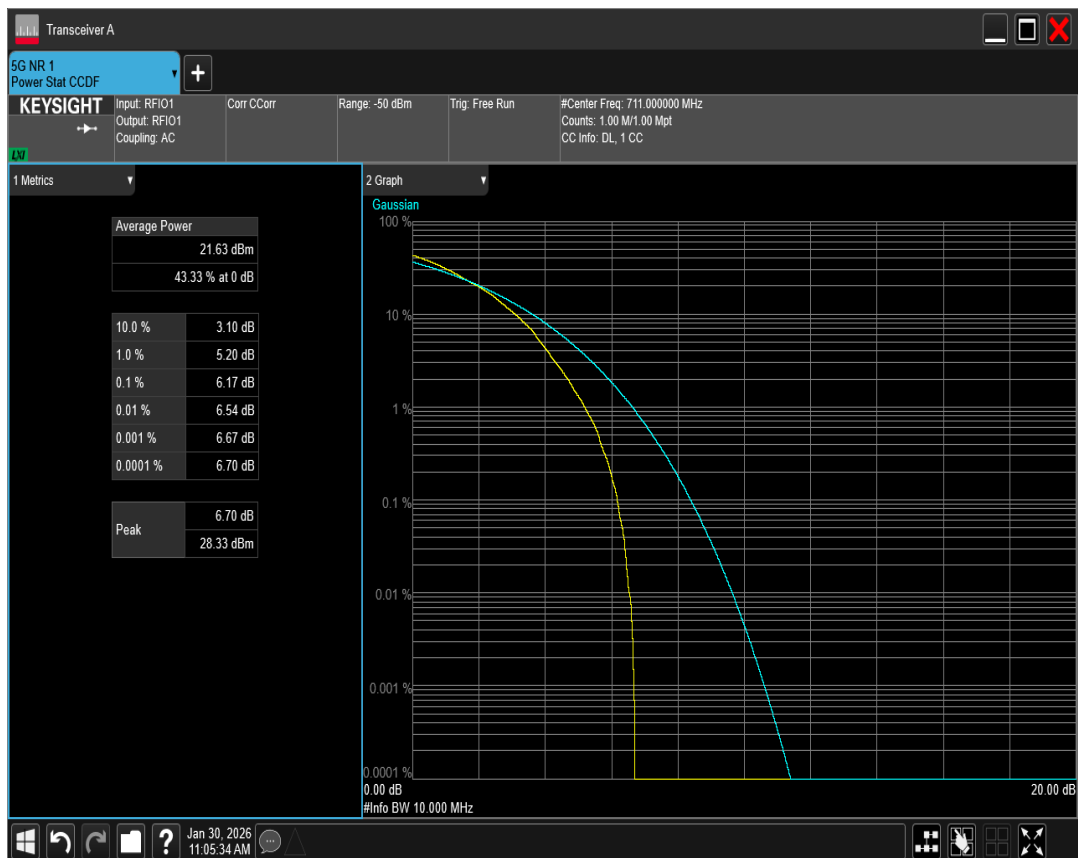
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=140800 RB=50@0



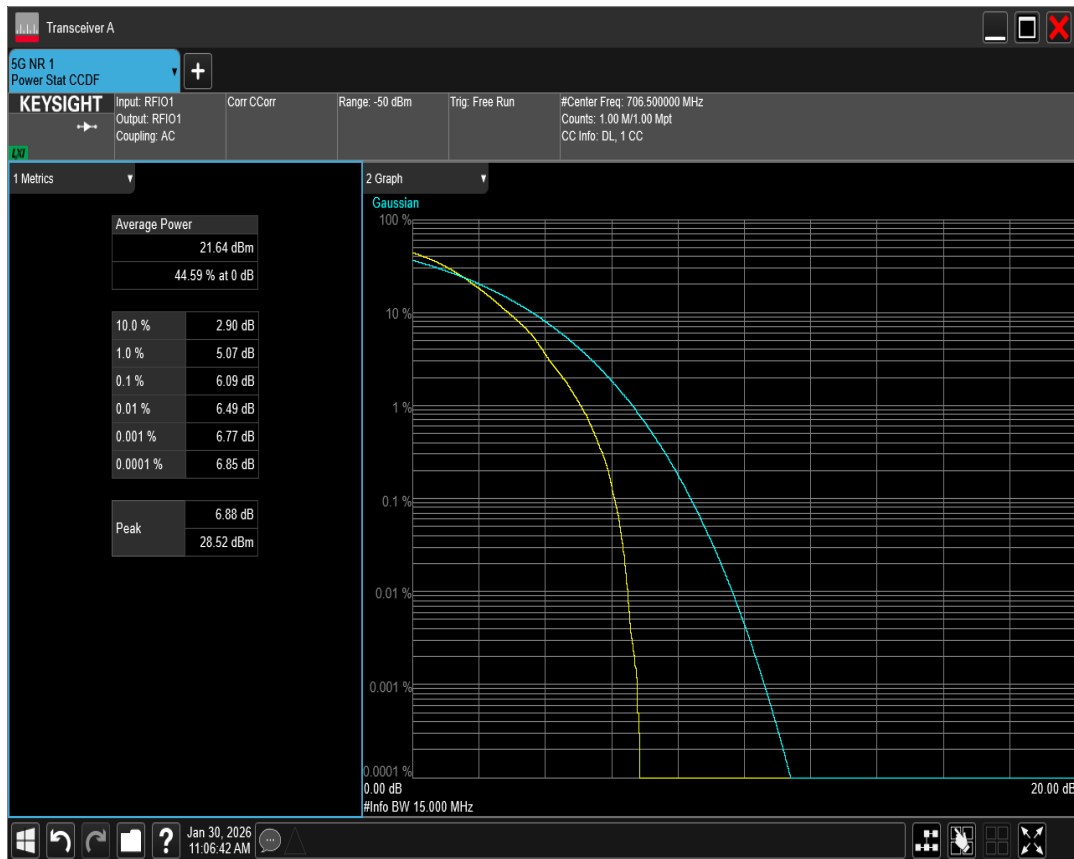
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=141500 RB=50@0



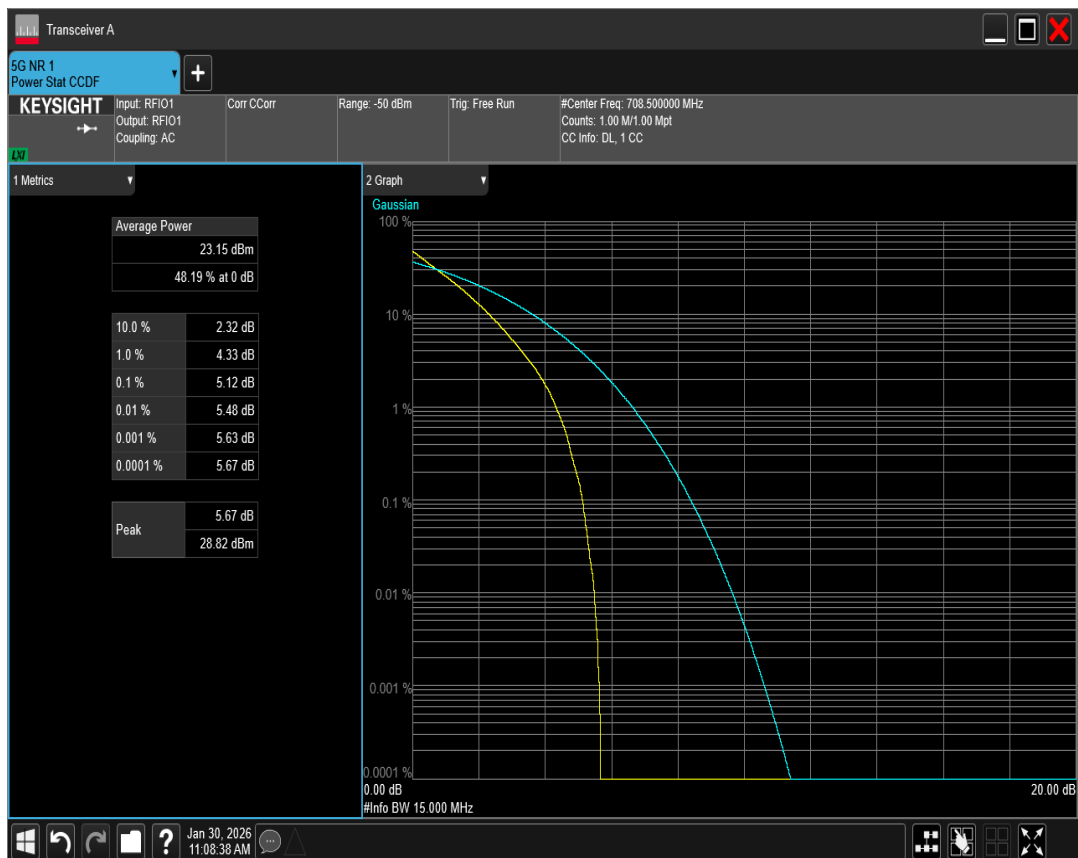
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=142200 RB=50@0



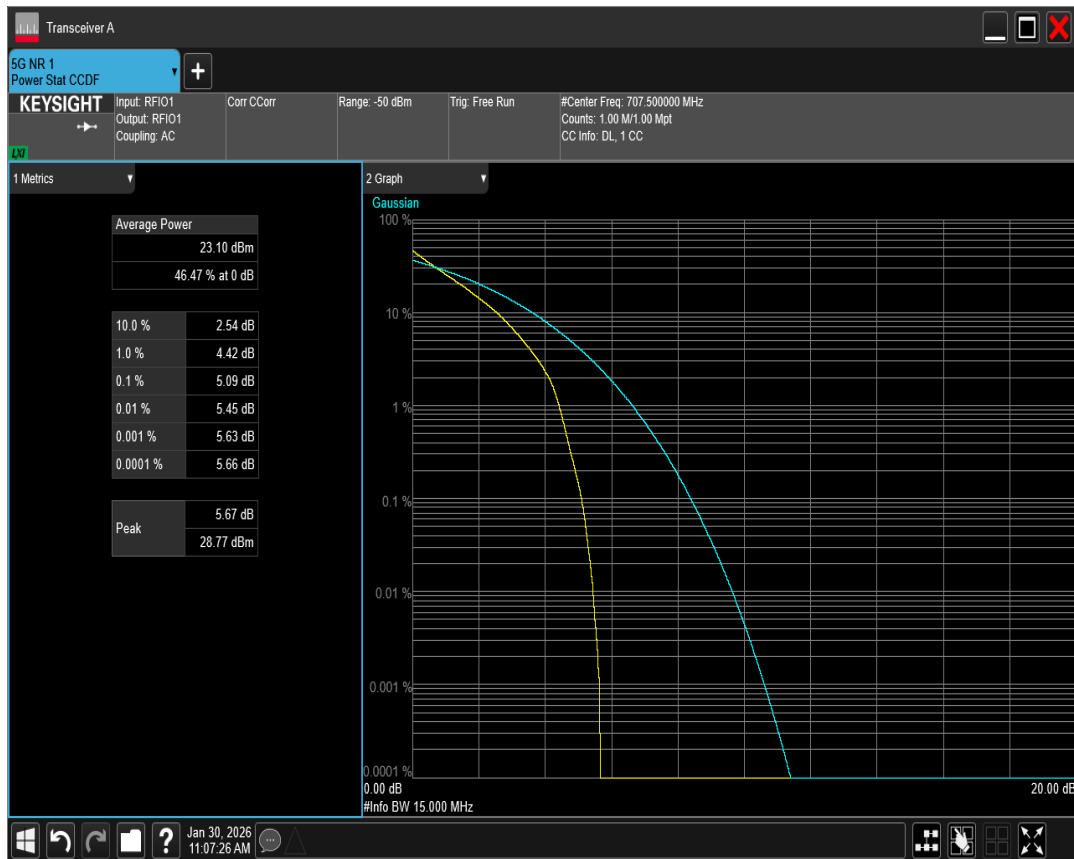
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141300 RB=75@0



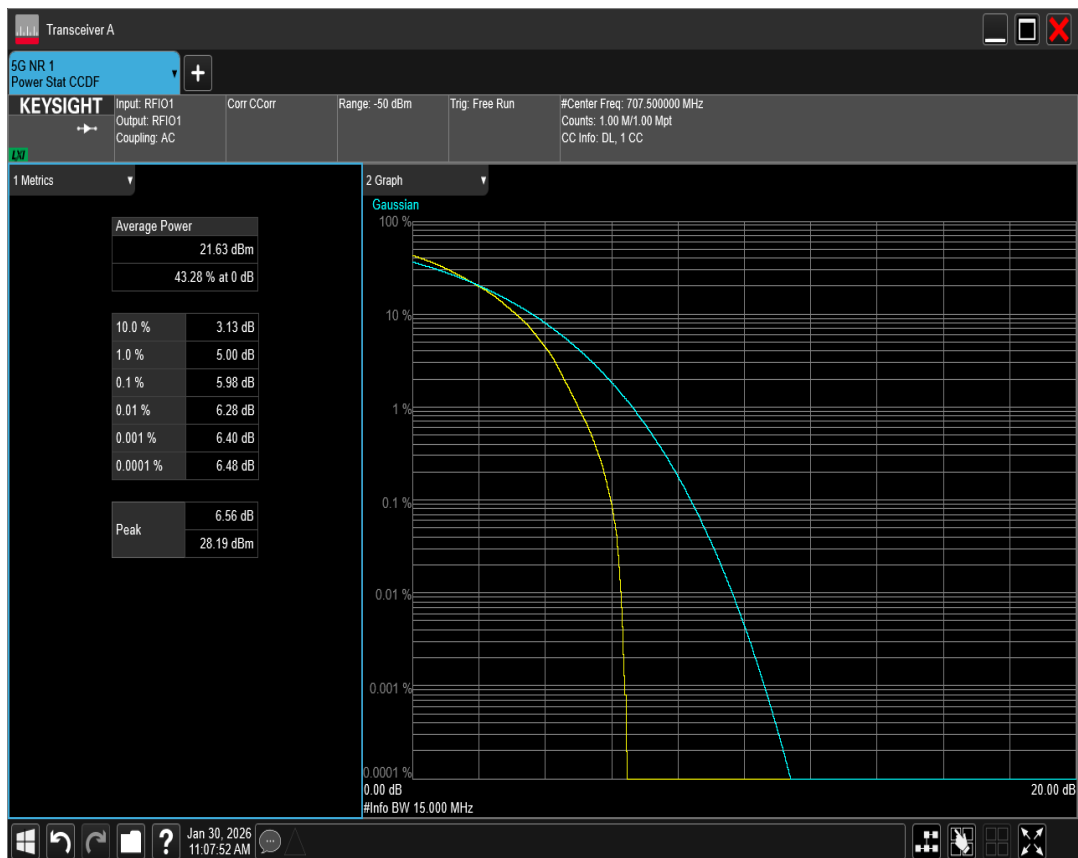
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=75@0



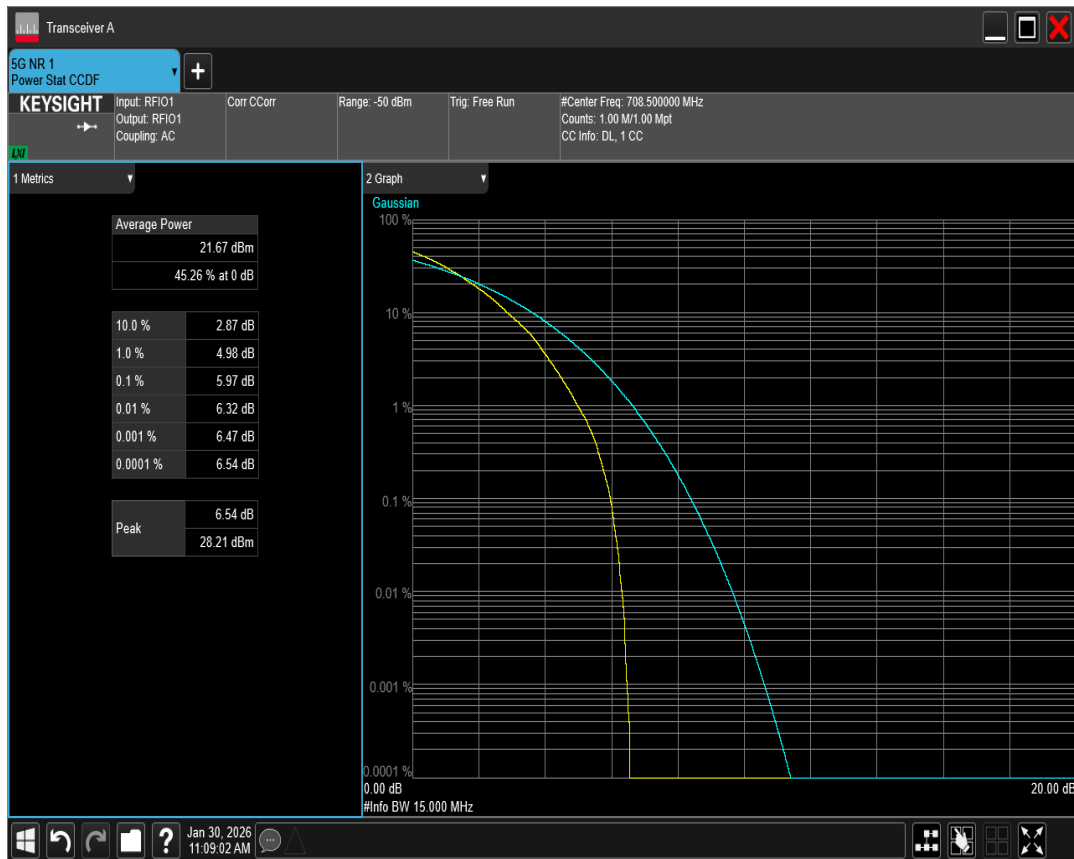
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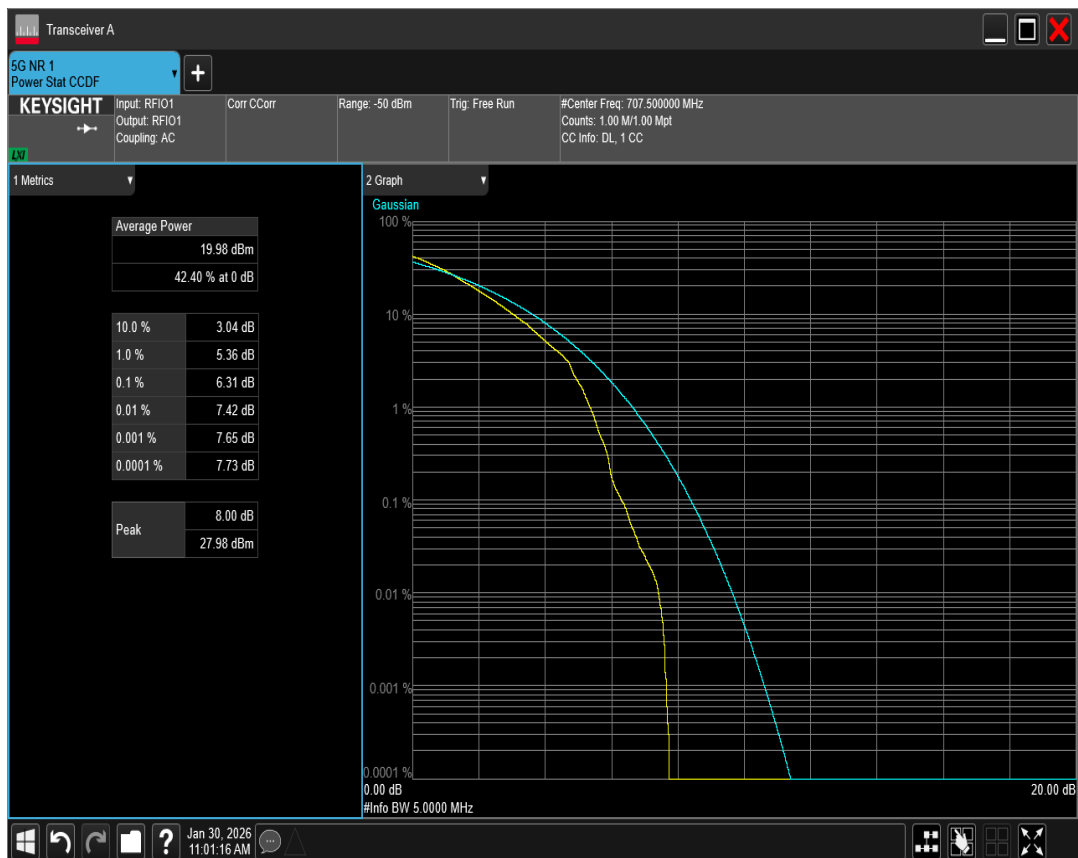
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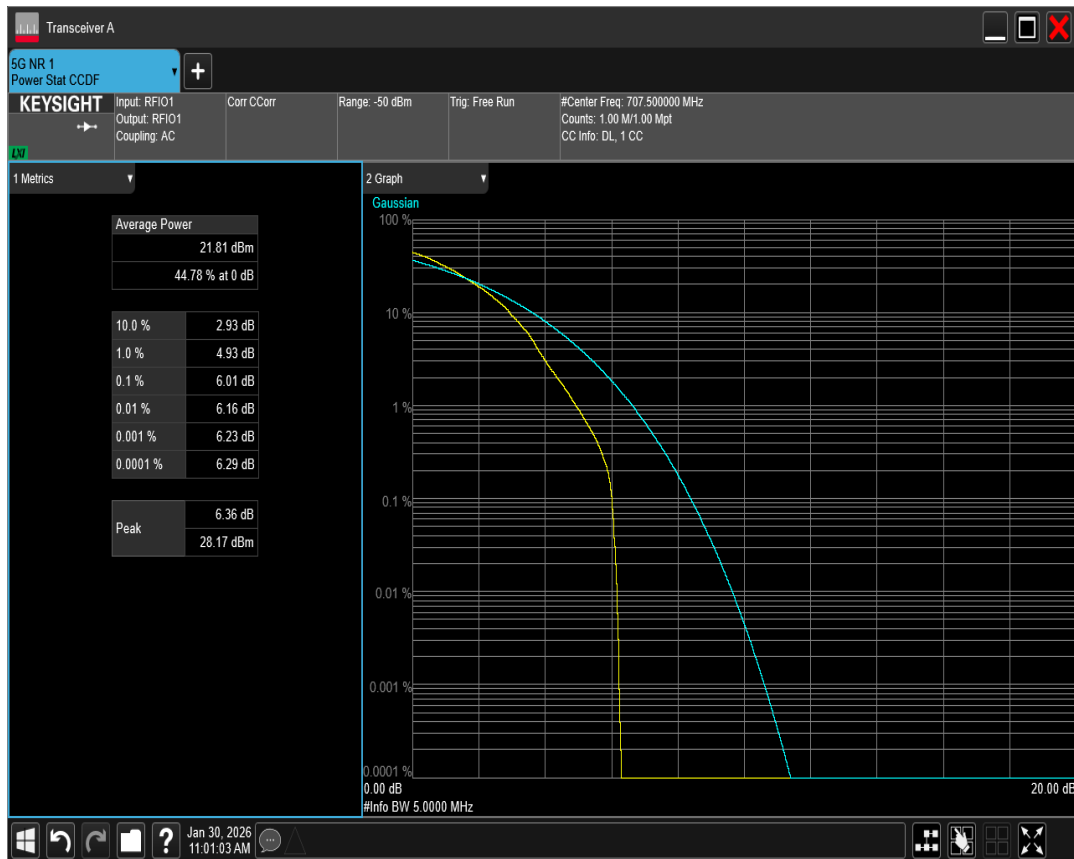
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141700 RB=75@0



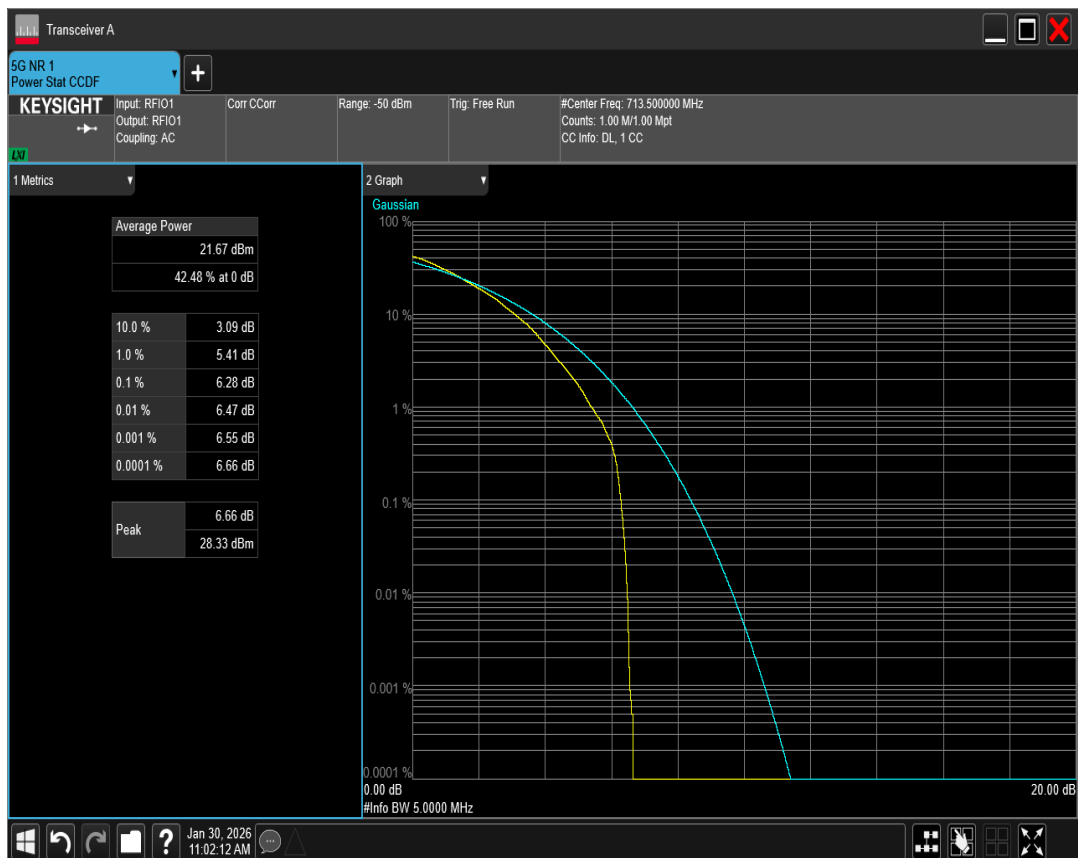
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=141500 RB=25@0



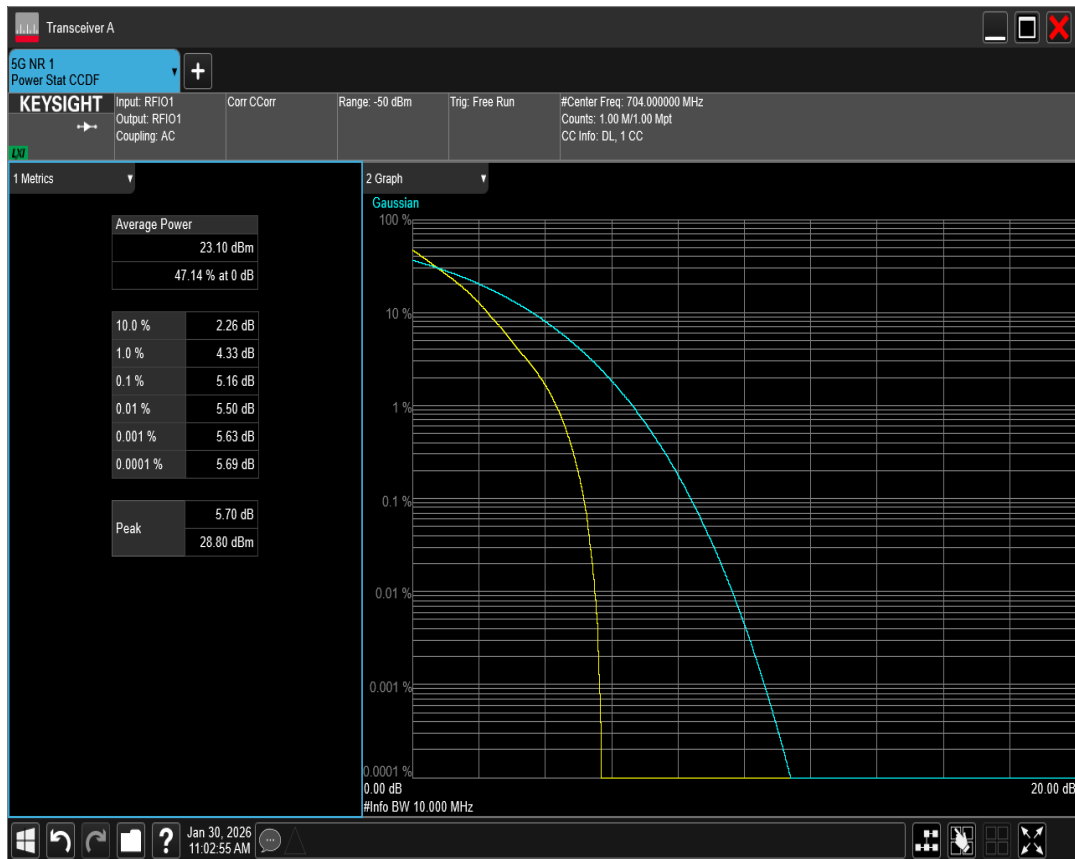
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=141500 RB=25@0



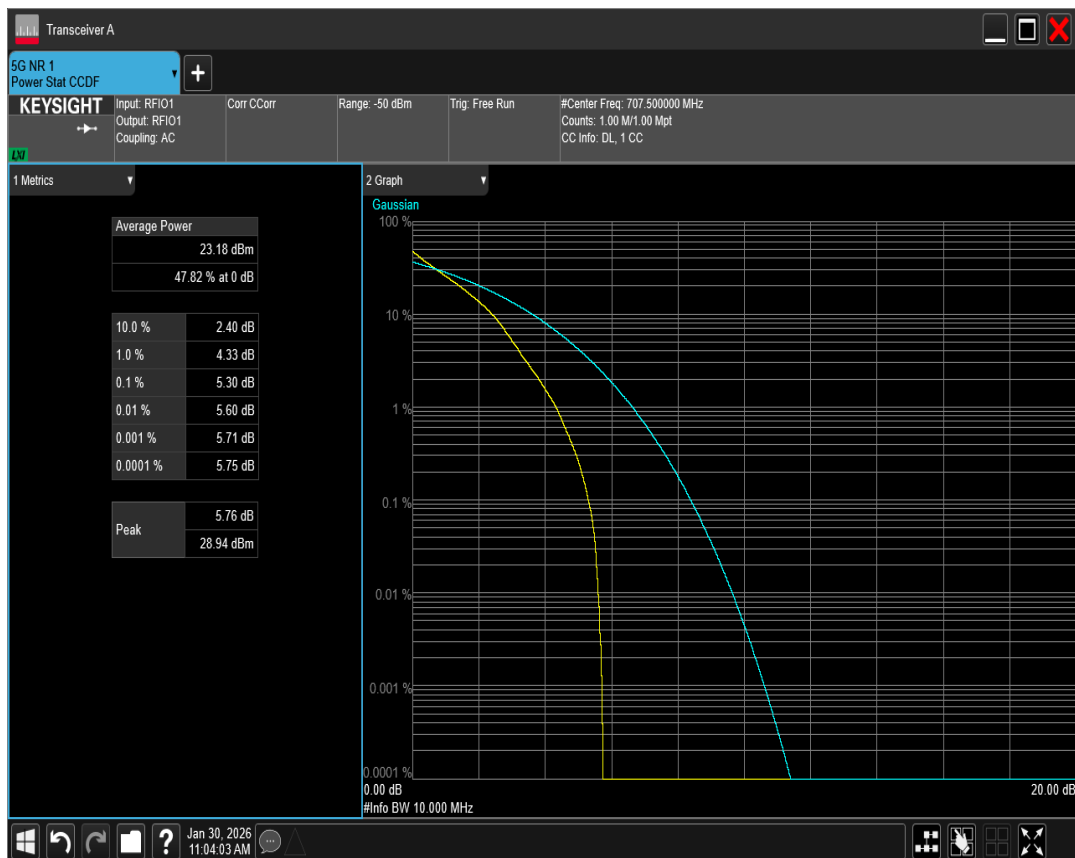
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=142700 RB=25@0



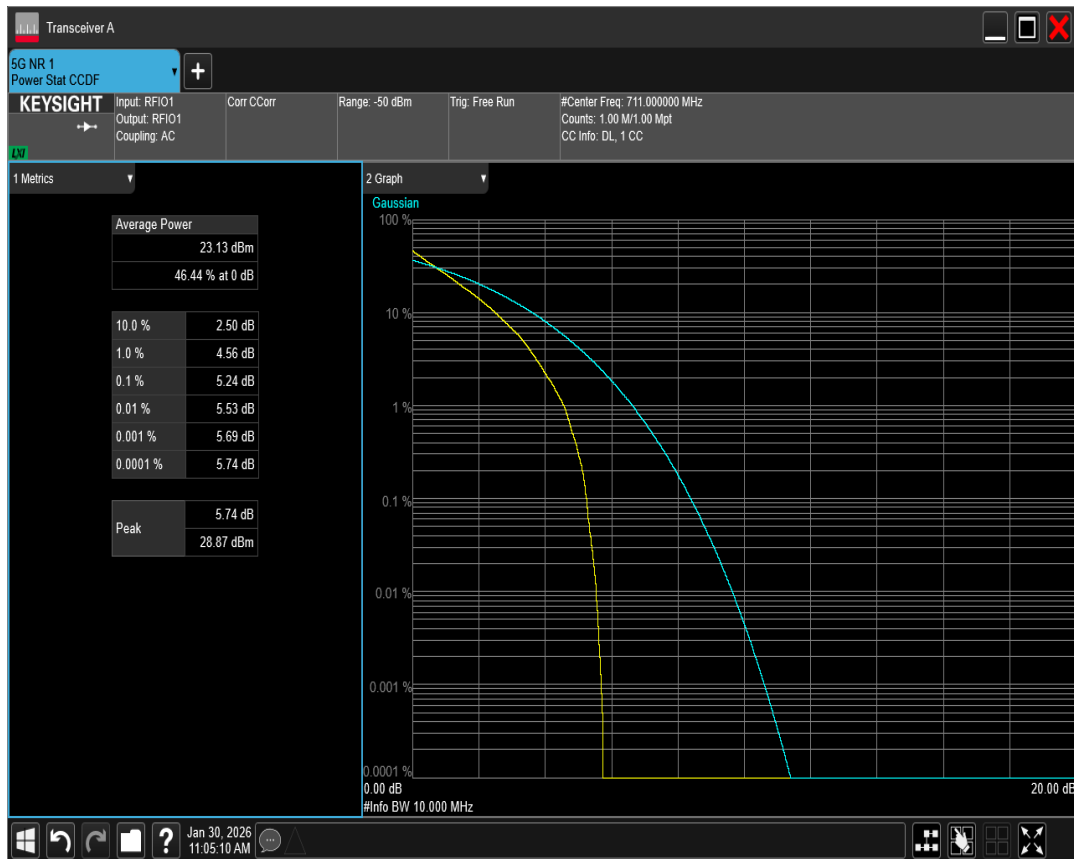
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=140800 RB=50@0



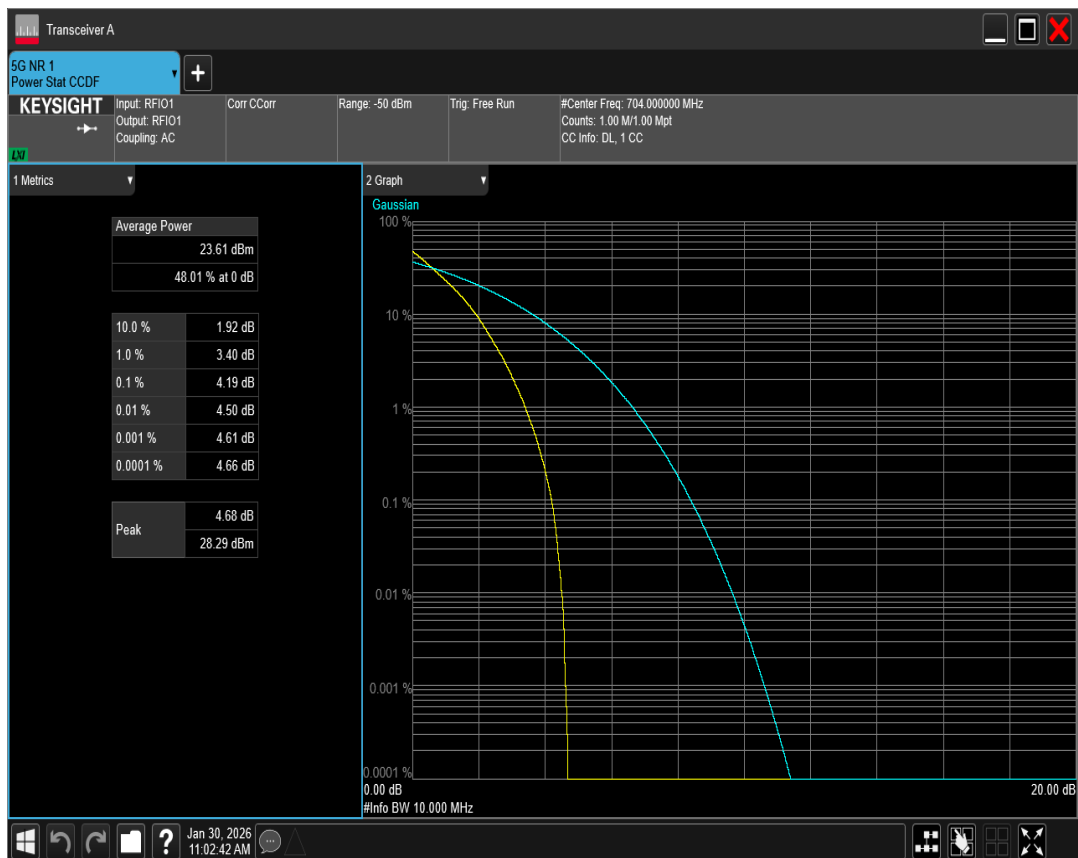
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=141500 RB=50@0



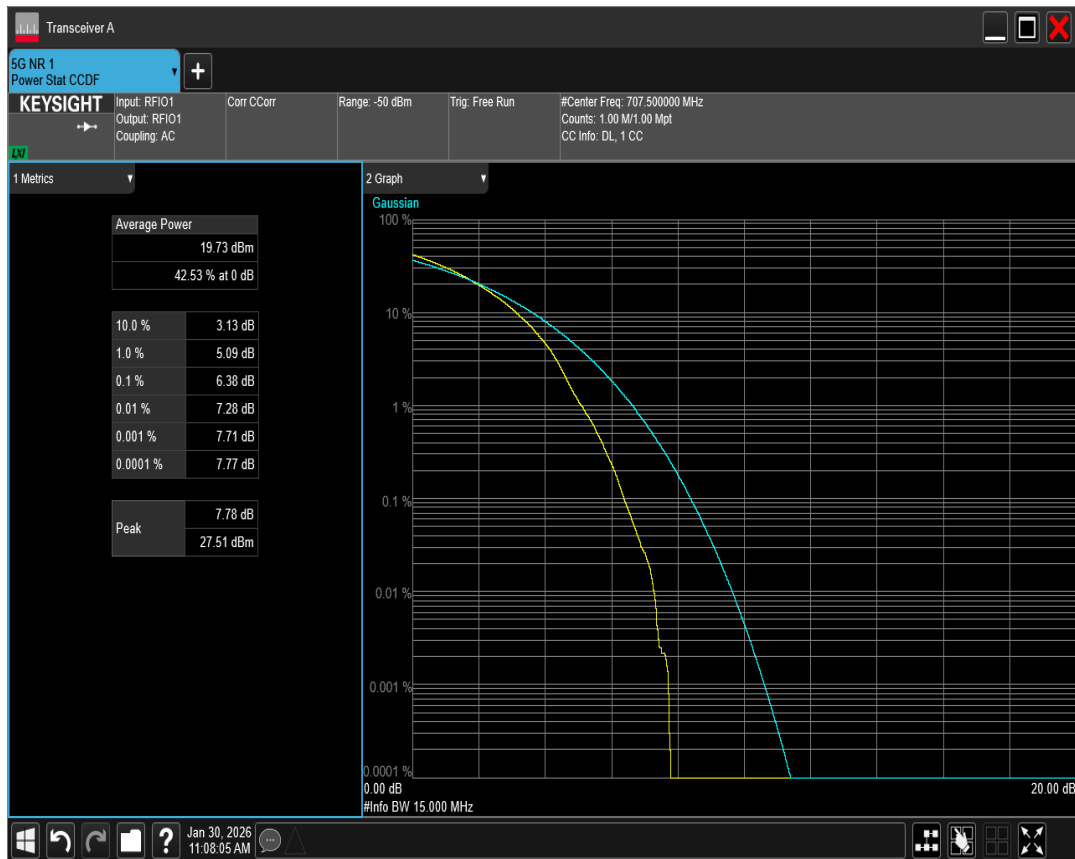
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=142200 RB=50@0



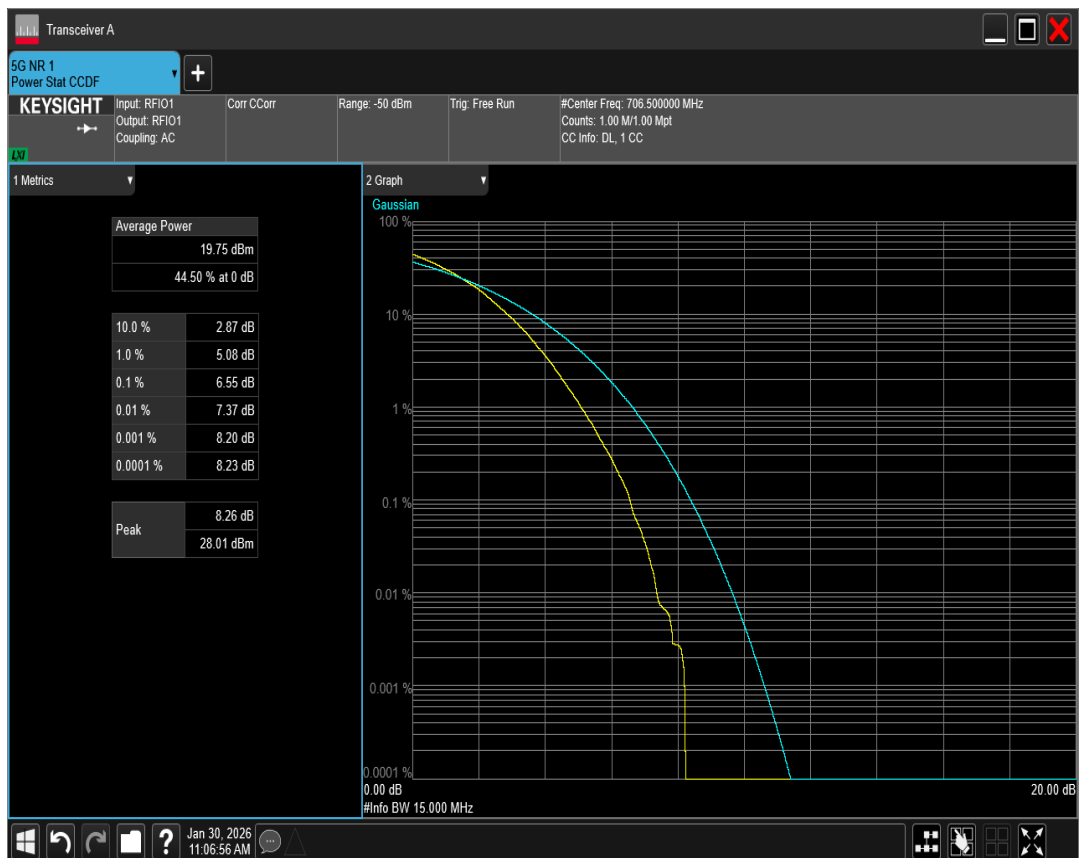
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=140800 RB=50@0



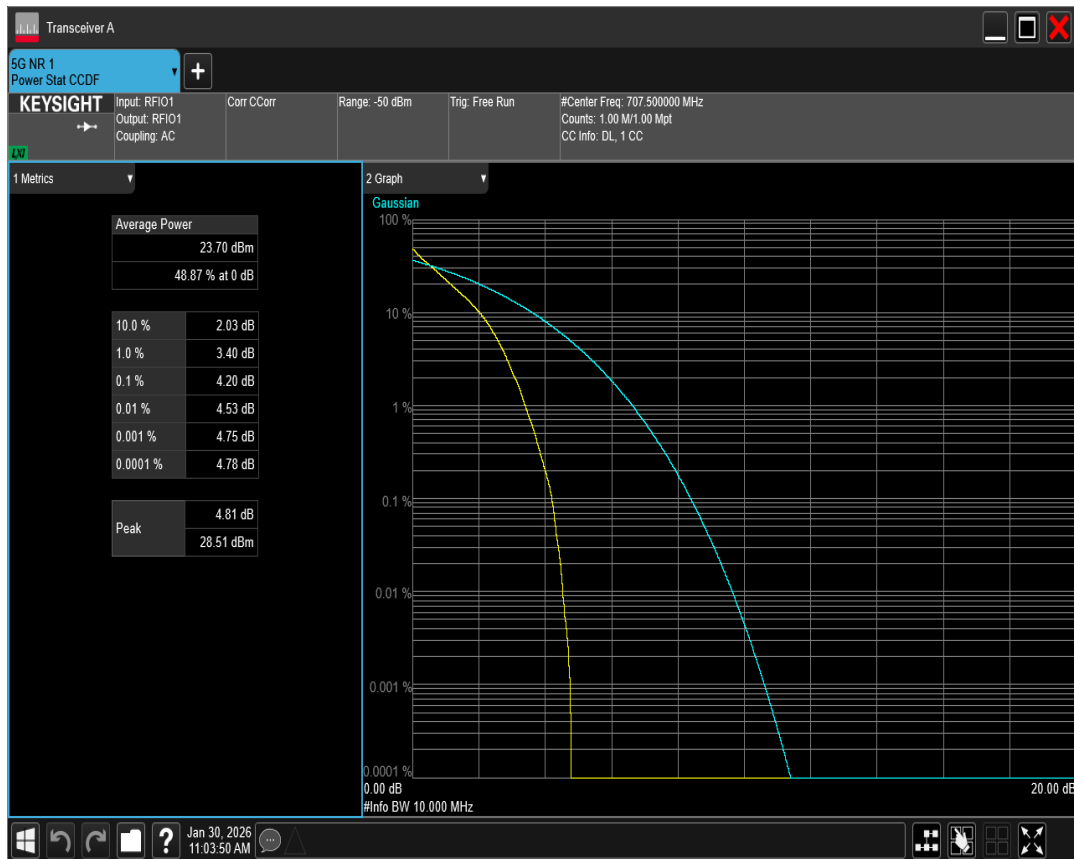
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141500 RB=75@0



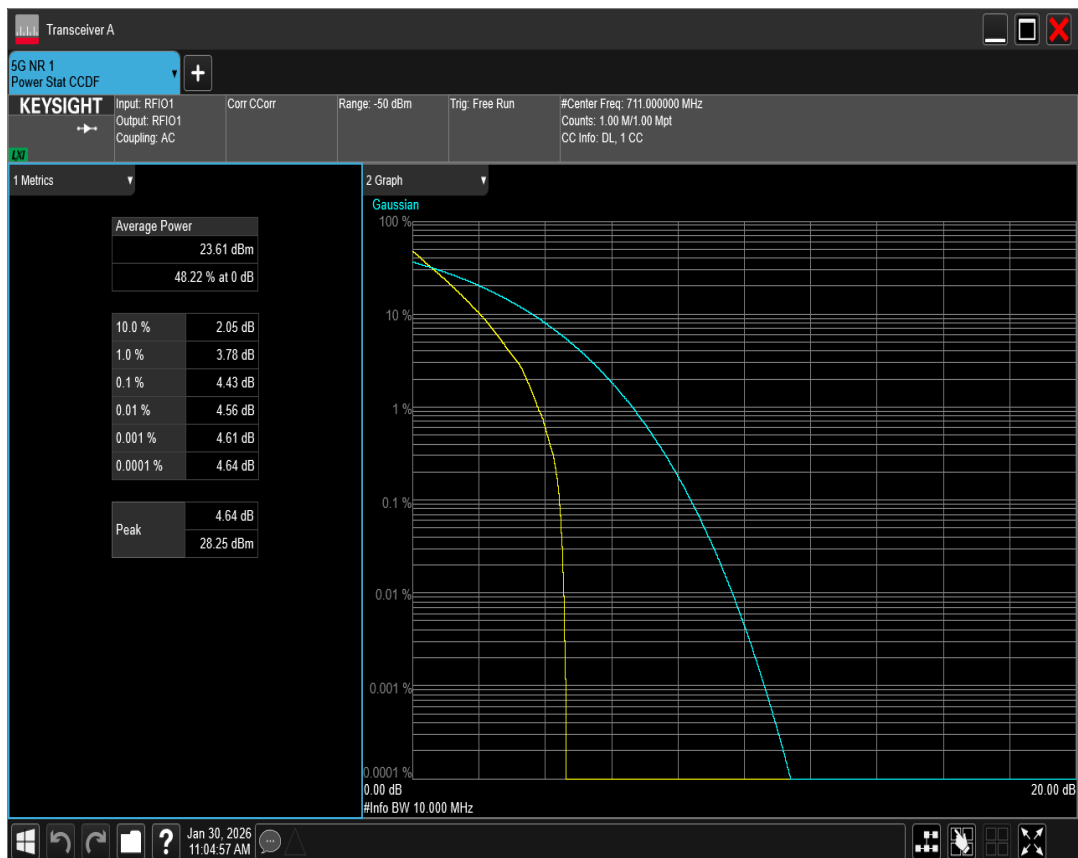
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141300 RB=75@0



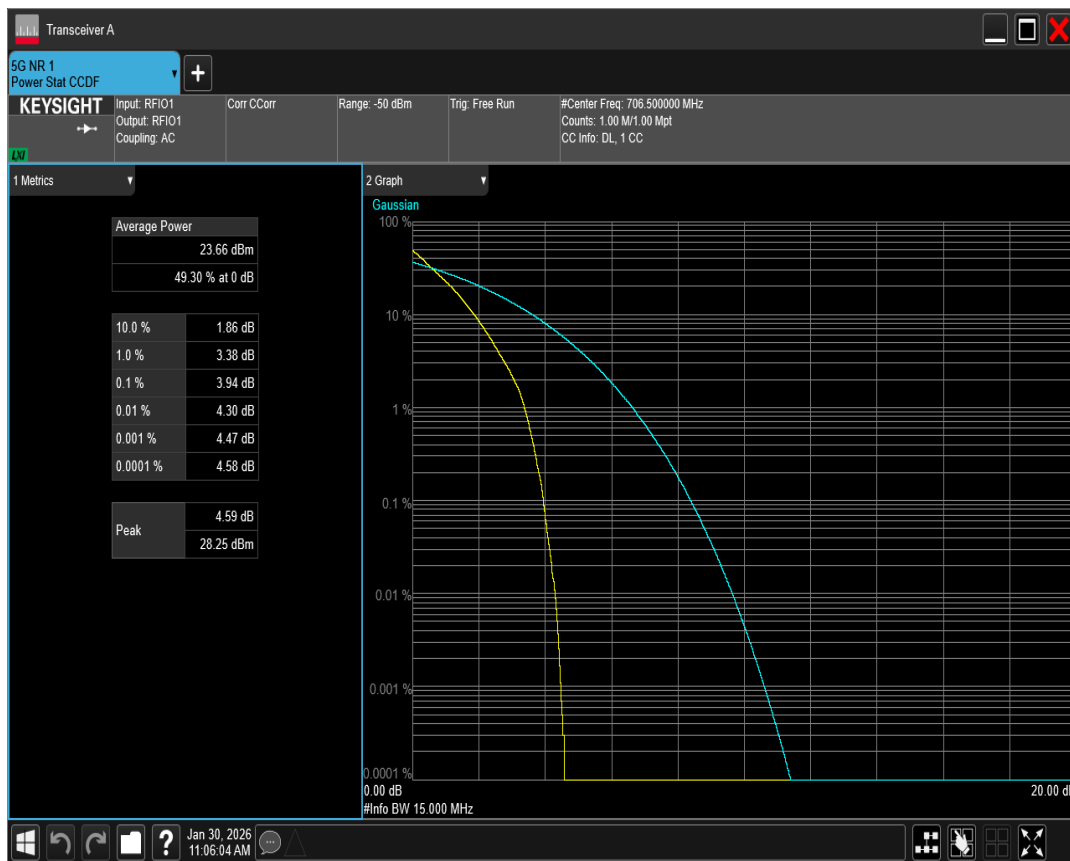
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=141500 RB=50@0



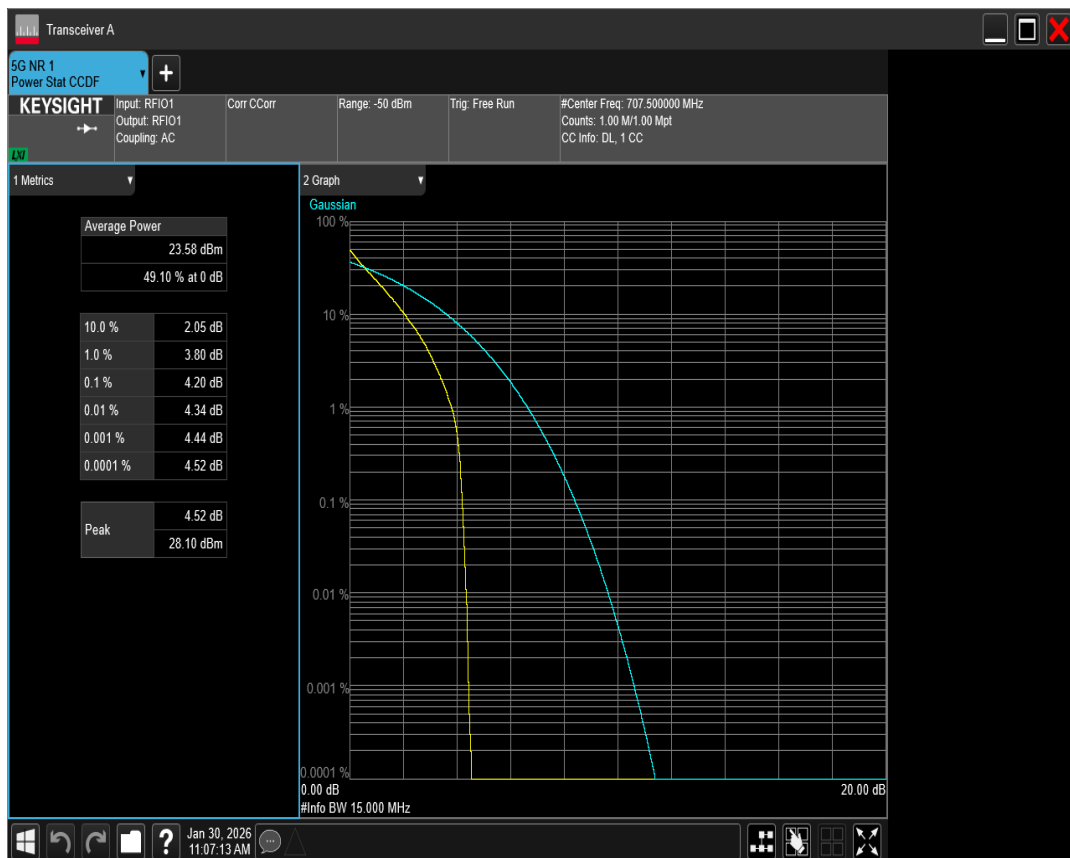
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=142200 RB=50@0



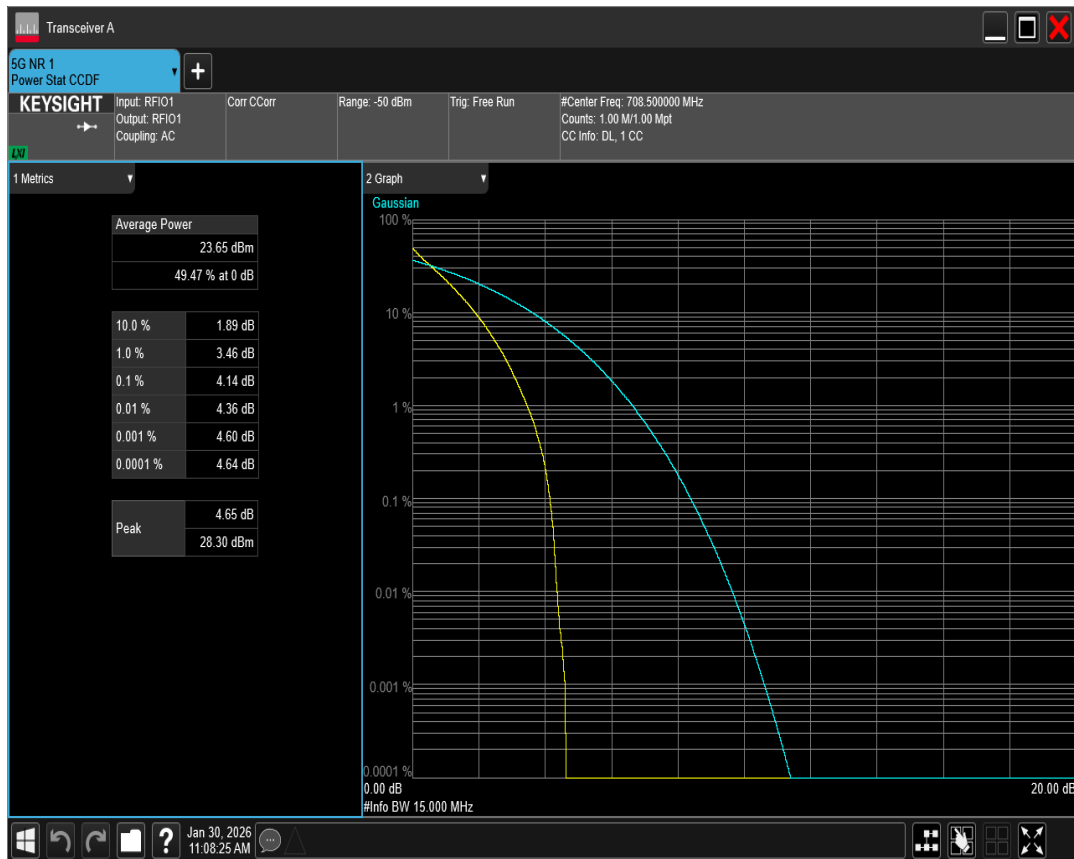
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141300 RB=75@0



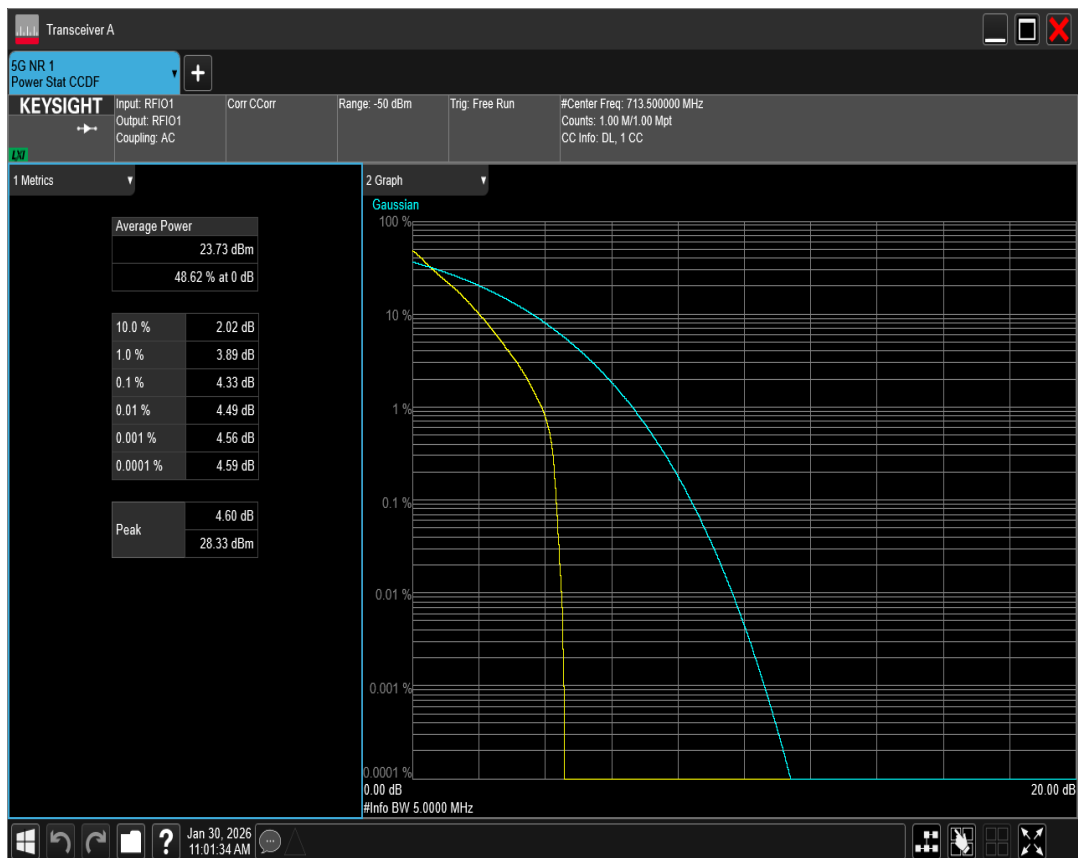
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141500 RB=75@0



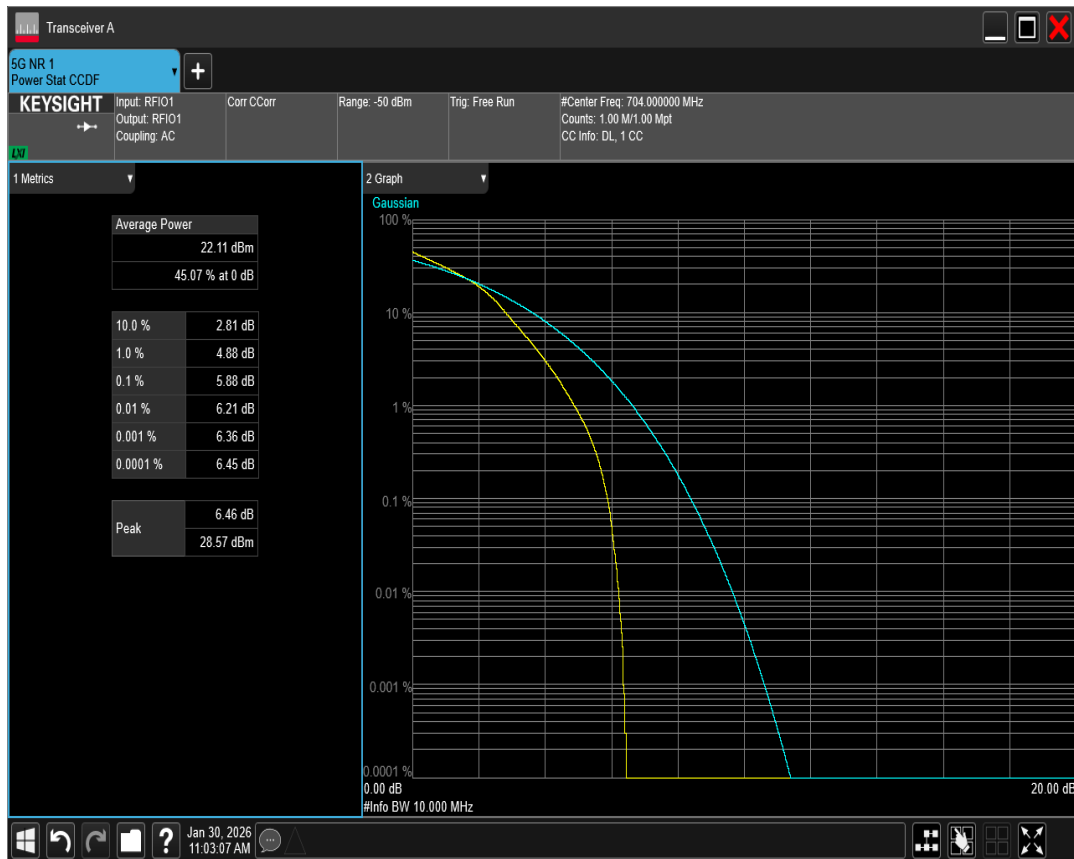
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141700 RB=75@0



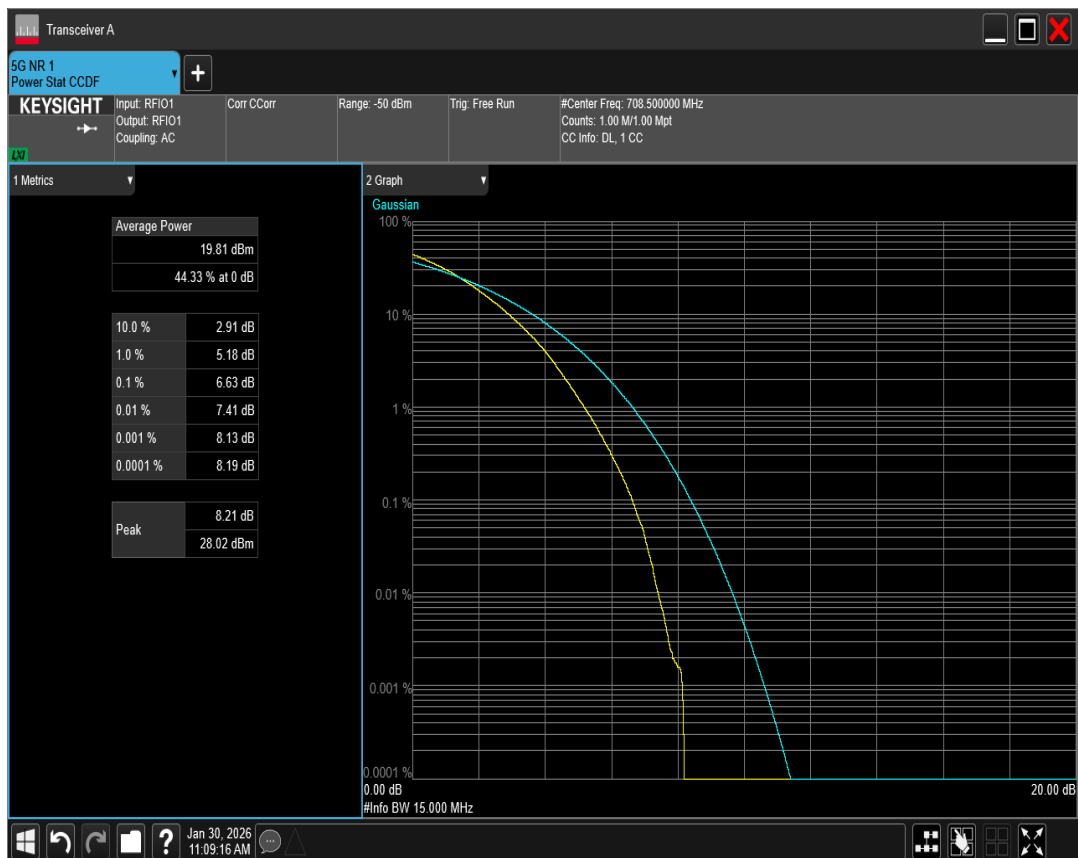
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=142700 RB=25@0



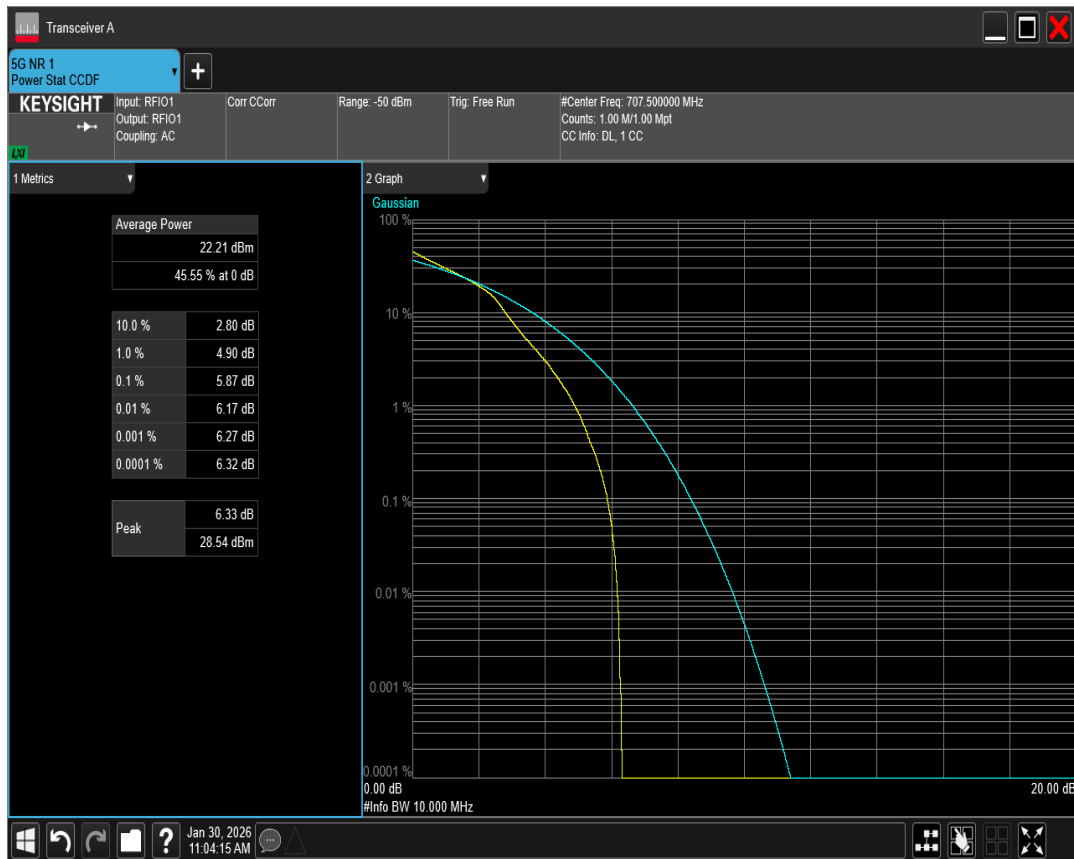
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=140800 RB=50@0



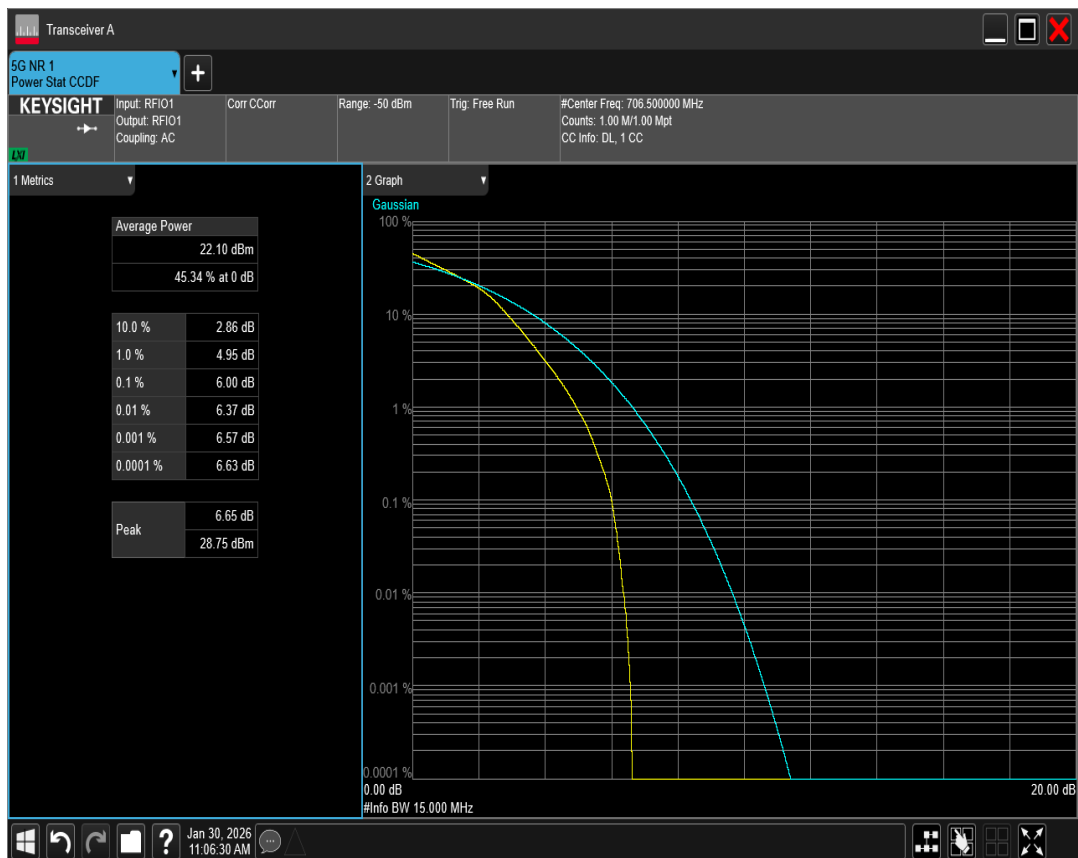
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141700 RB=75@0



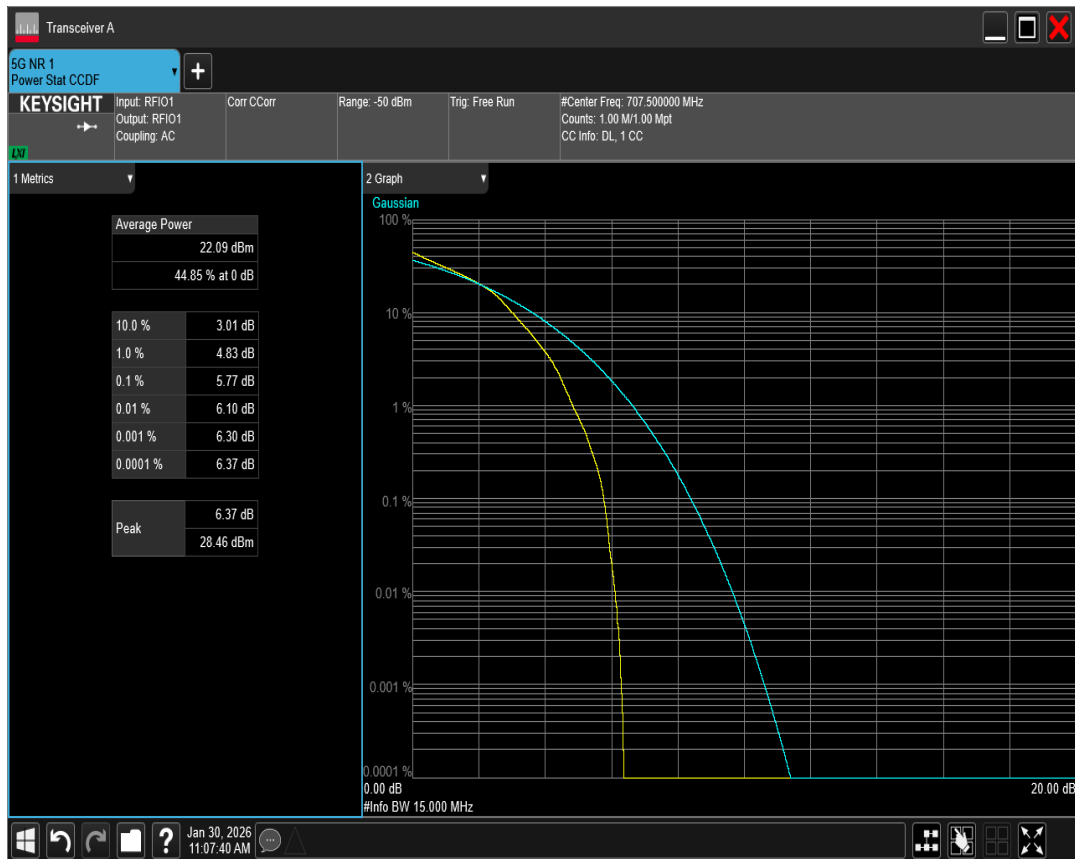
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=141500 RB=50@0



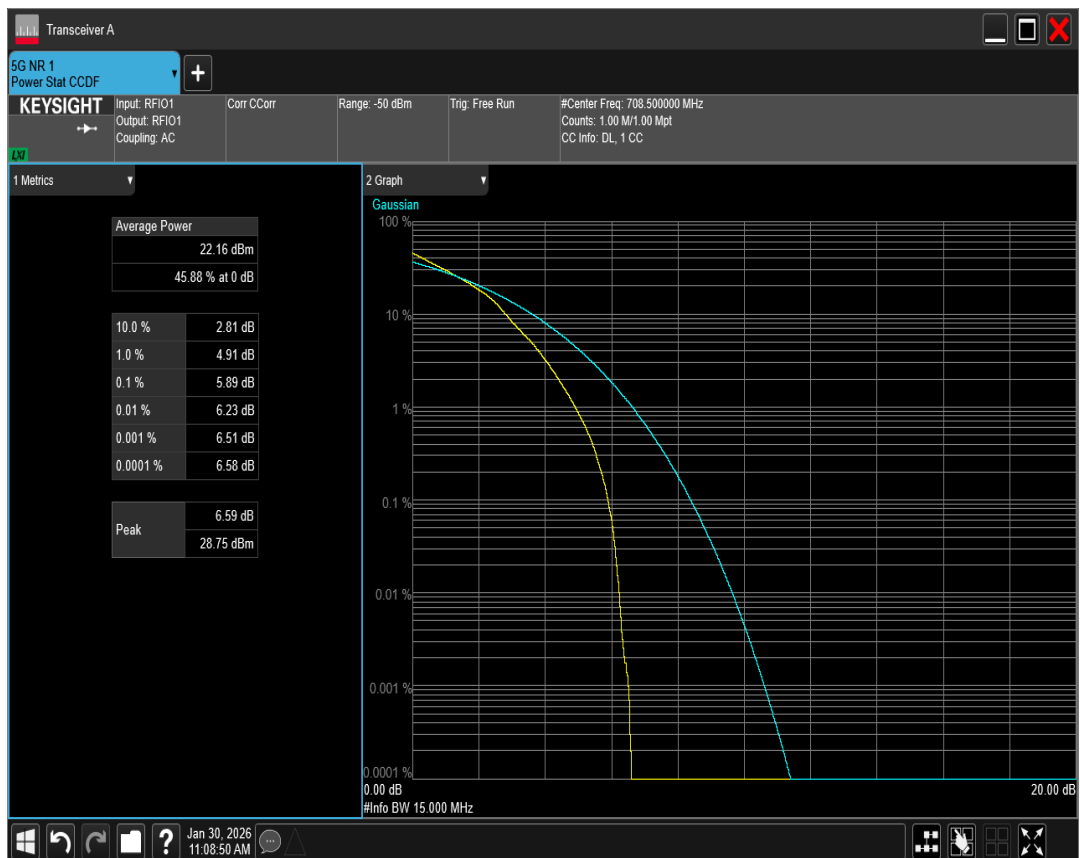
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141300 RB=75@0



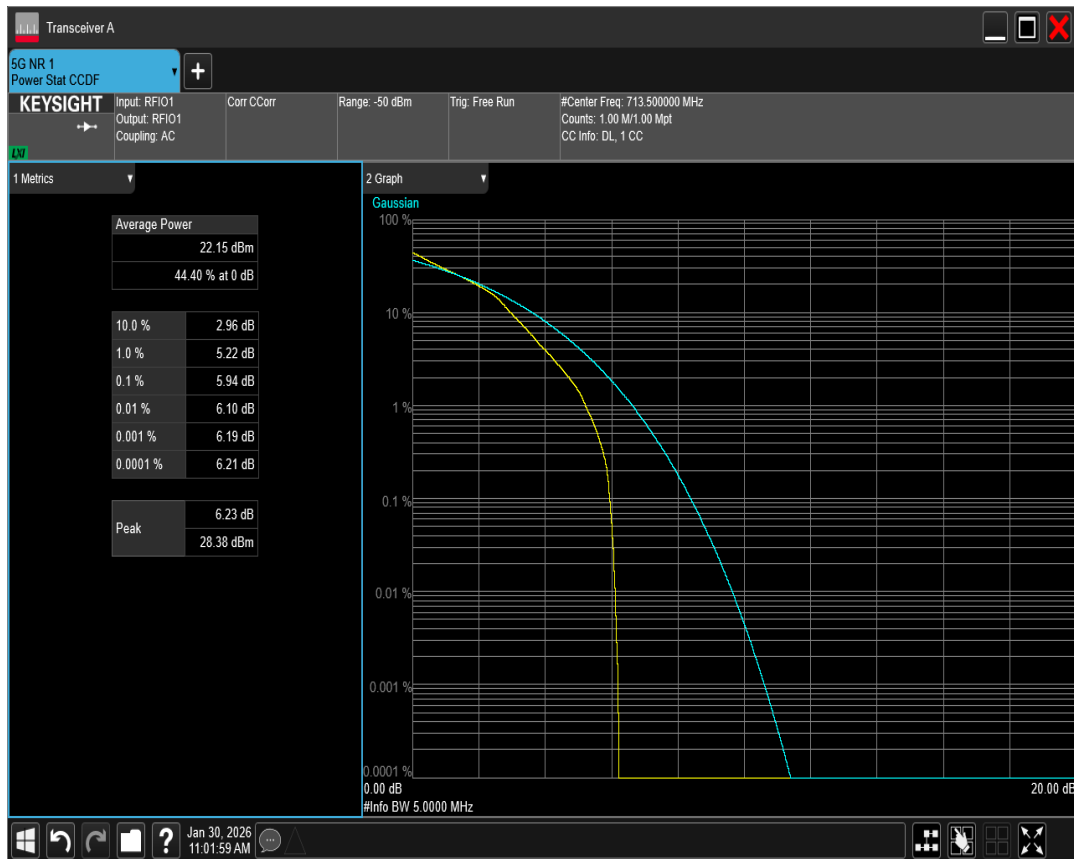
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141500 RB=75@0



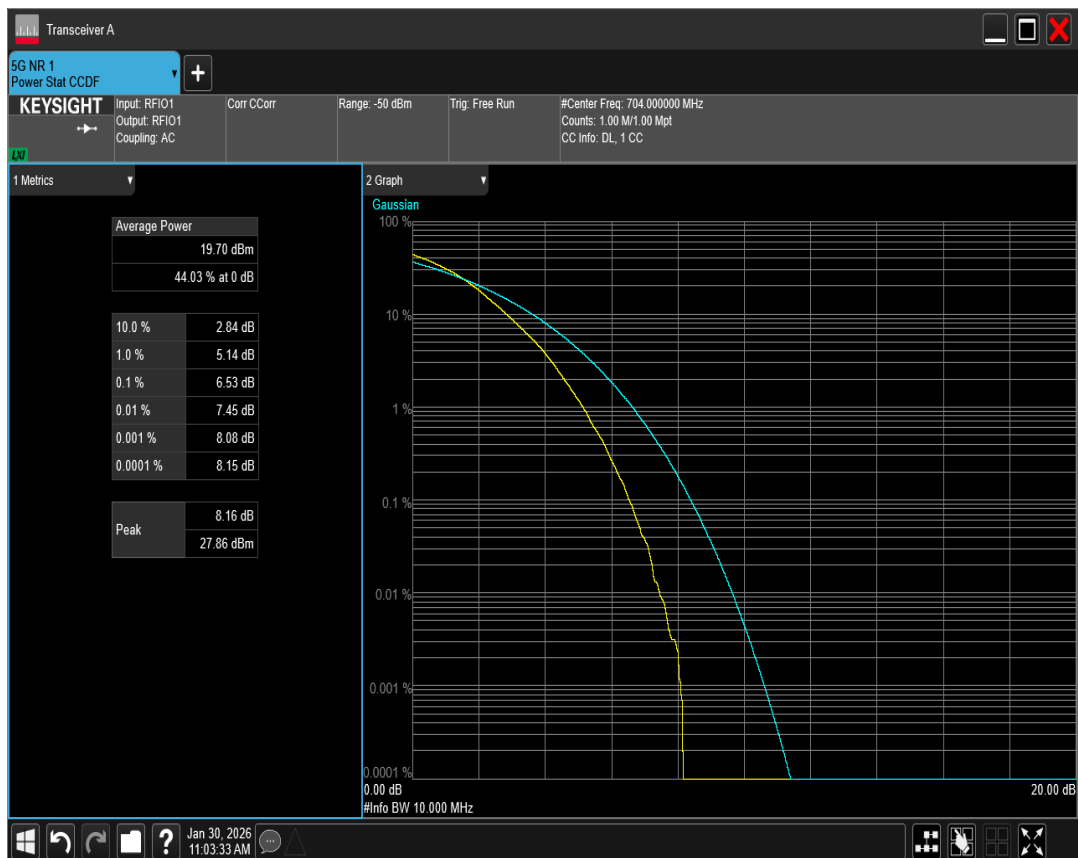
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141700 RB=75@0



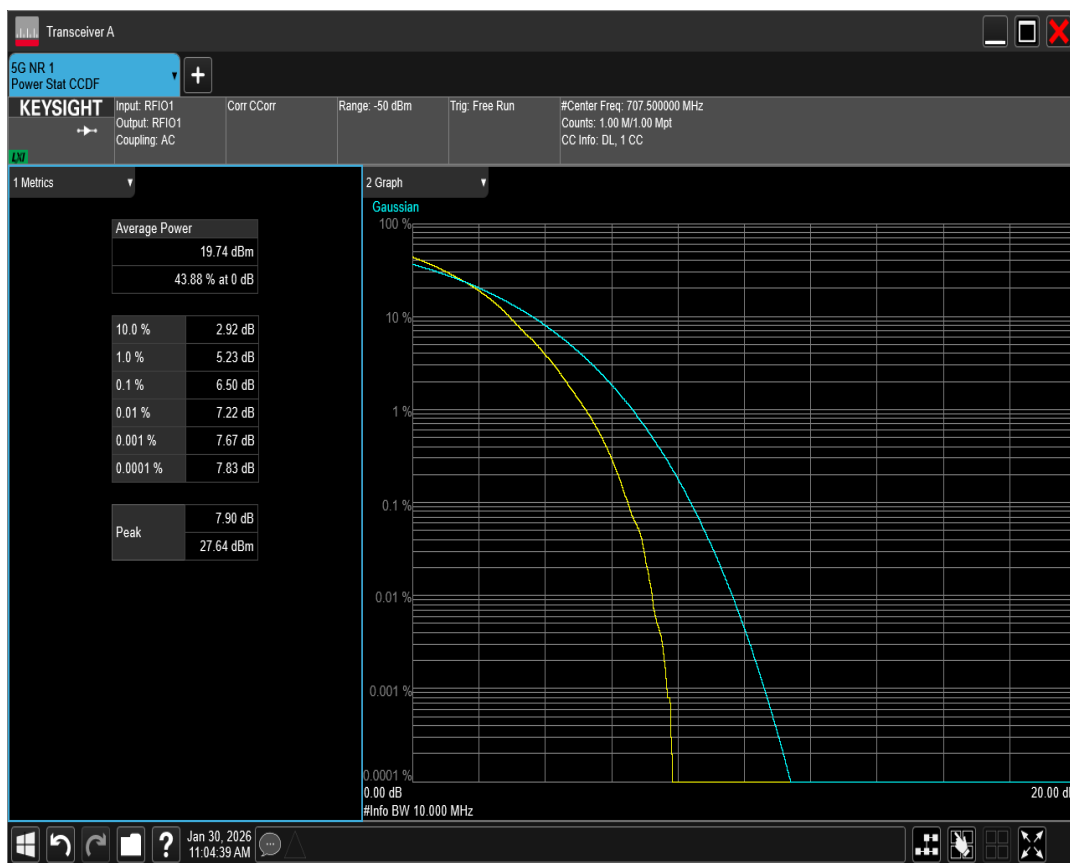
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=142700 RB=25@0



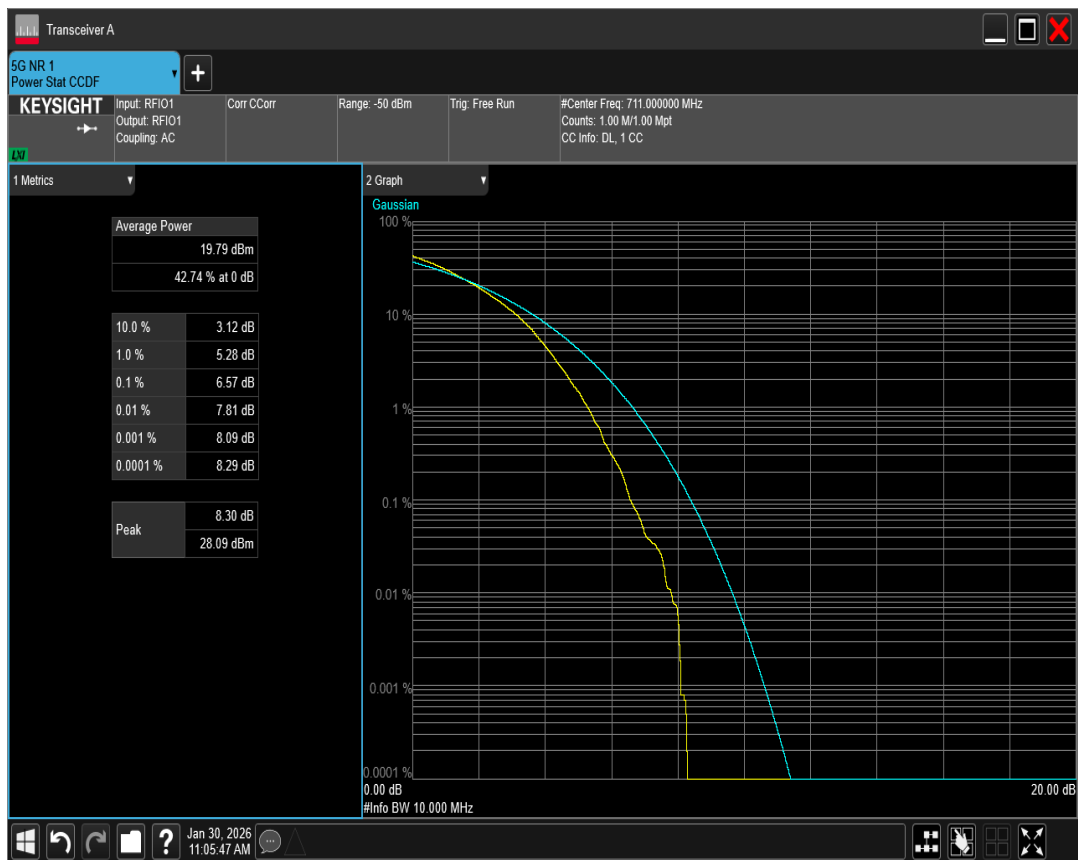
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=140800 RB=50@0



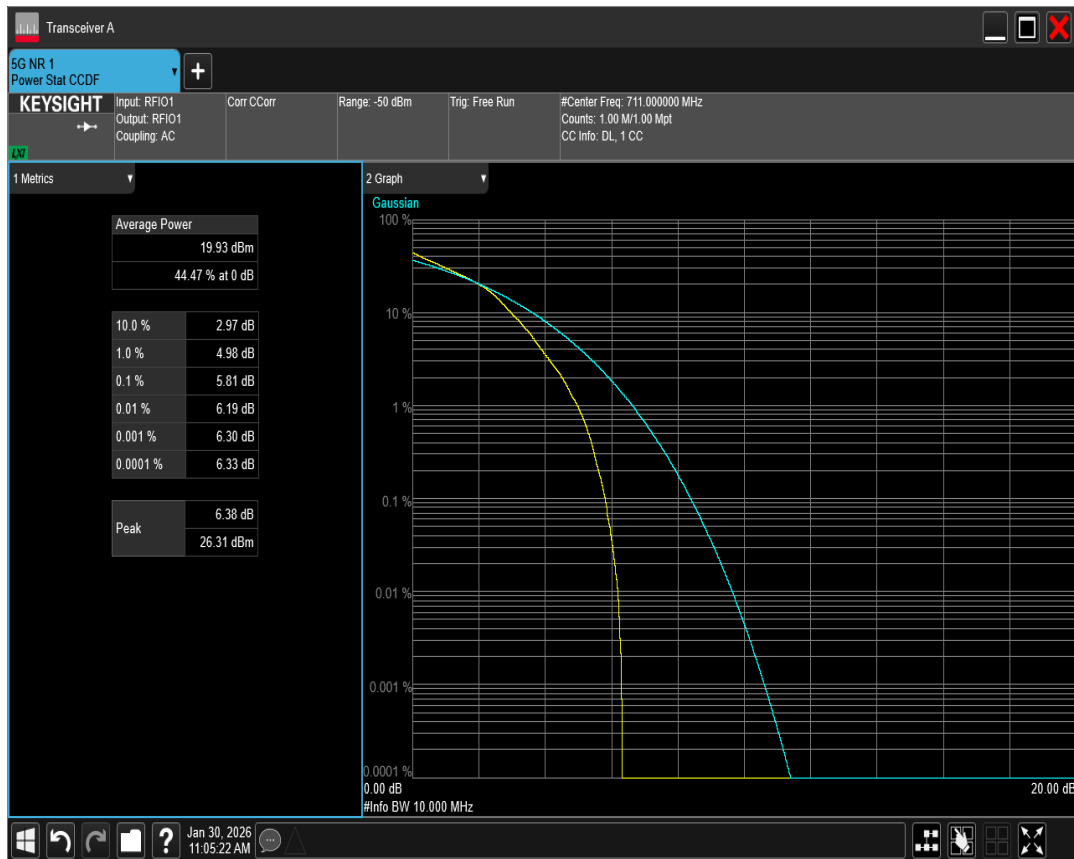
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=141500 RB=50@0



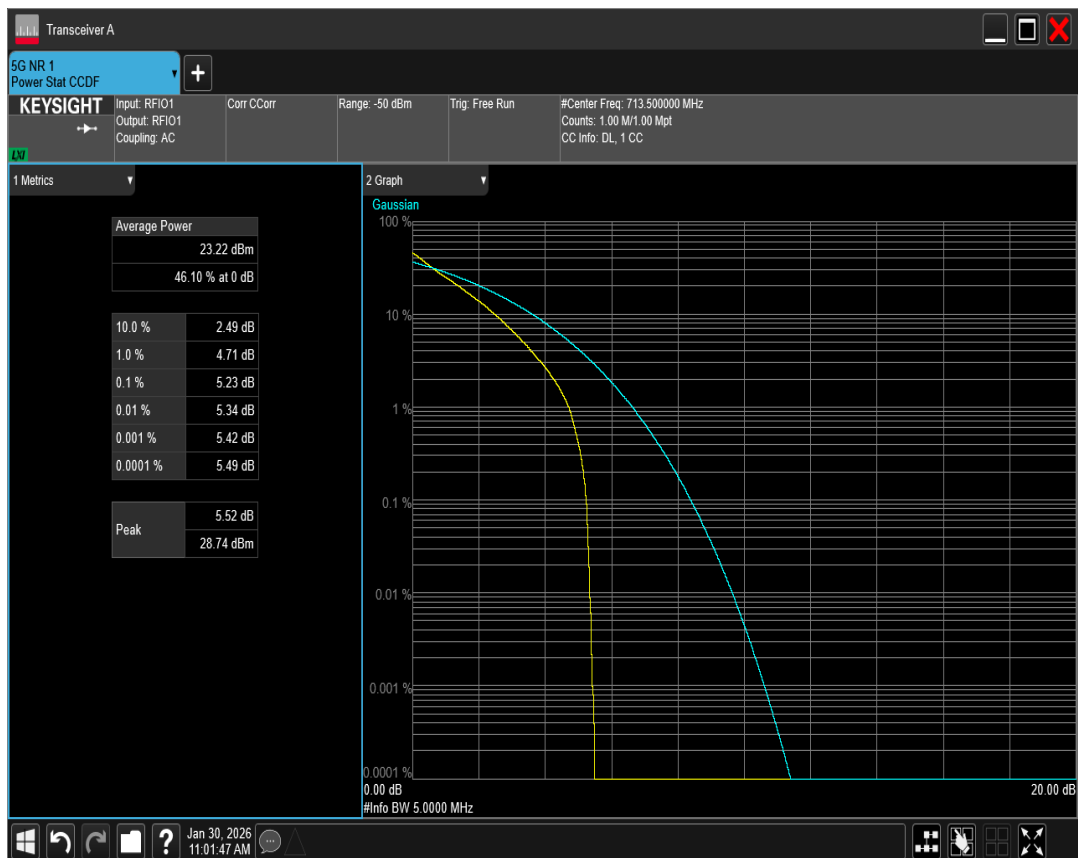
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=142200 RB=50@0



n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=142200 RB=50@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	4.620	PASS
n12	15	5	141500	25@0	DFT_QPSK	4.450	4.710	PASS
n12	15	5	141500	25@0	DFT_QAM16	4.460	4.600	PASS
n12	15	5	141500	25@0	DFT_QAM64	4.470	4.650	PASS
n12	15	5	141500	25@0	DFT_QAM256	4.460	4.630	PASS
n12	15	10	141500	50@0	DFT_BPSK	9.220	9.100	PASS
n12	15	10	141500	50@0	DFT_QPSK	9.190	9.110	PASS
n12	15	10	141500	50@0	DFT_QAM16	9.260	9.130	PASS
n12	15	10	141500	50@0	DFT_QAM64	9.190	9.090	PASS
n12	15	10	141500	50@0	DFT_QAM256	9.150	9.130	PASS
n12	15	15	141500	75@0	DFT_BPSK	13.950	13.650	PASS
n12	15	15	141500	75@0	DFT_QPSK	14.000	13.590	PASS
n12	15	15	141500	75@0	DFT_QAM16	13.920	13.680	PASS
n12	15	15	141500	75@0	DFT_QAM64	13.980	13.600	PASS
n12	15	15	141500	75@0	DFT_QAM256	13.900	13.610	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



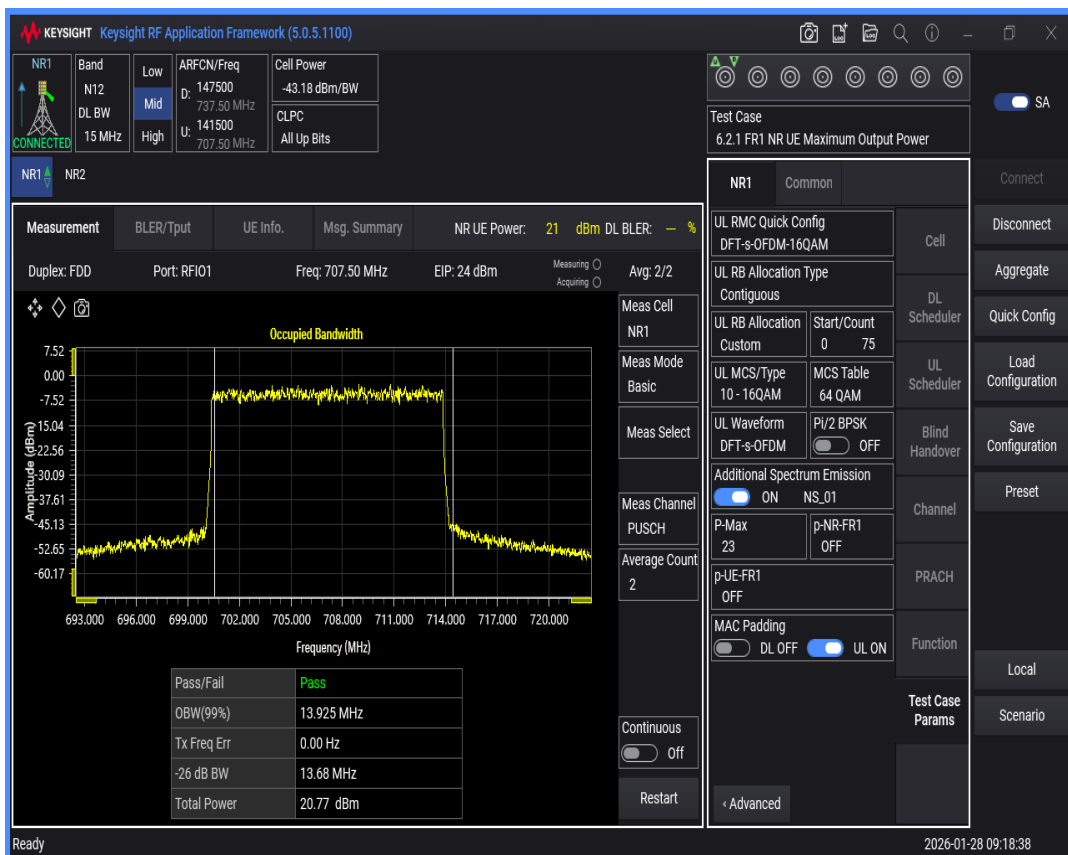
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



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



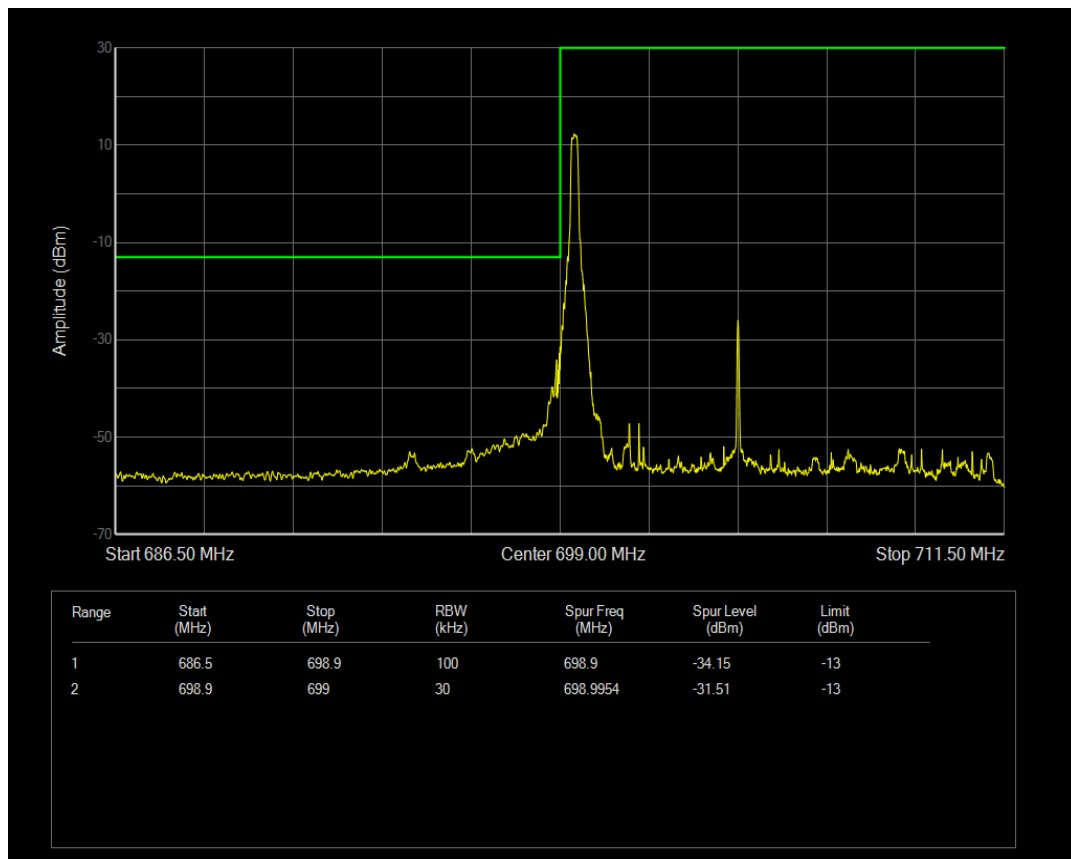
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



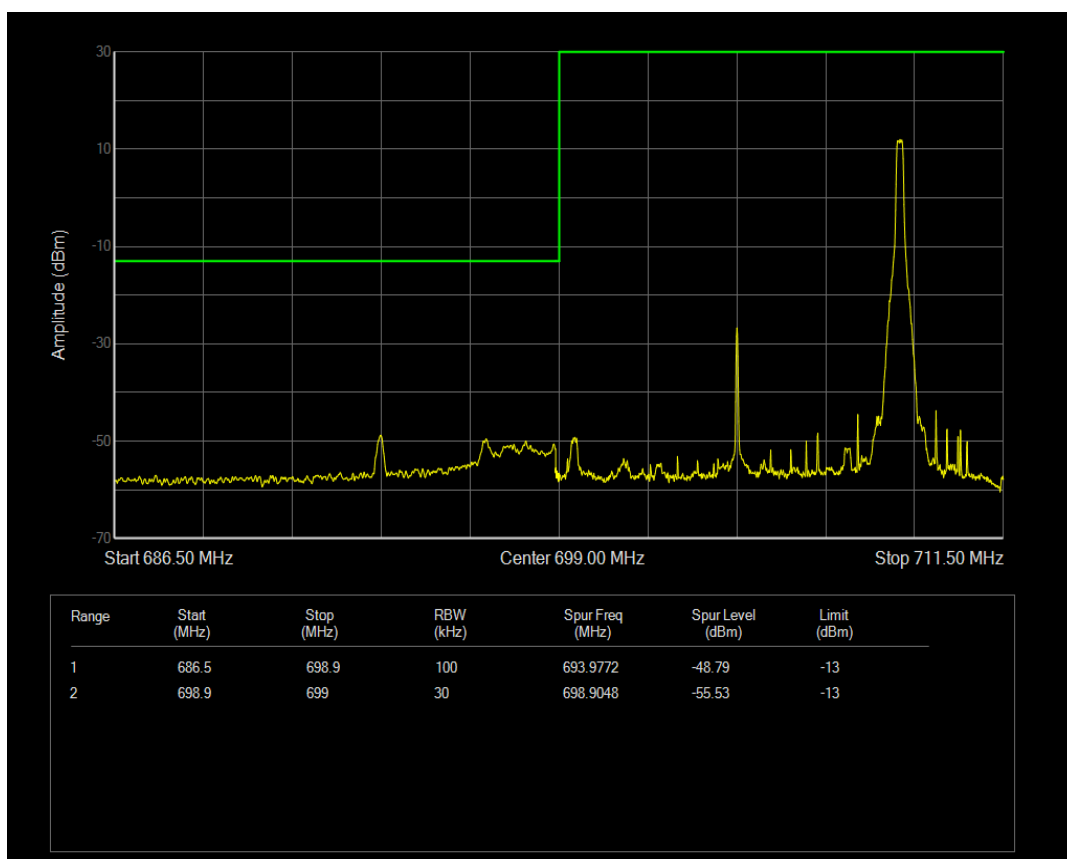
5 Band edge for NR FR1

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	698.98	-34.99	-13	PASS
n12	15	5	140300	1@0	CP_QPSK	698.99	-25.68	-13	PASS
n12	15	5	140300	1@24	CP_QPSK	703.67	11.74	30	PASS
n12	15	5	142700	25@0	CP_QPSK	716.01	-37.89	-13	PASS
n12	15	5	142700	1@0	CP_QPSK	711.31	12.13	30	PASS
n12	15	5	142700	1@24	CP_QPSK	716.00	-24.21	-13	PASS
n12	15	10	140800	52@0	CP_QPSK	698.90	-45.12	-13	PASS
n12	15	10	140800	1@0	CP_QPSK	699.39	12.30	30	PASS
n12	15	10	140800	1@51	CP_QPSK	708.59	11.99	30	PASS
n12	15	10	142200	52@0	CP_QPSK	716.11	-46.07	-13	PASS
n12	15	10	142200	1@0	CP_QPSK	706.45	12.18	30	PASS
n12	15	10	142200	1@51	CP_QPSK	716.36	-24.88	-13	PASS
n12	15	15	141300	79@0	CP_QPSK	698.81	-42.23	-13	PASS
n12	15	15	141300	1@0	CP_QPSK	699.41	12.02	30	PASS
n12	15	15	141300	1@78	CP_QPSK	713.57	11.50	30	PASS
n12	15	15	141700	79@0	CP_QPSK	716.14	-43.33	-13	PASS
n12	15	15	141700	1@0	CP_QPSK	701.41	12.20	30	PASS
n12	15	15	141700	1@78	CP_QPSK	715.51	11.91	30	PASS

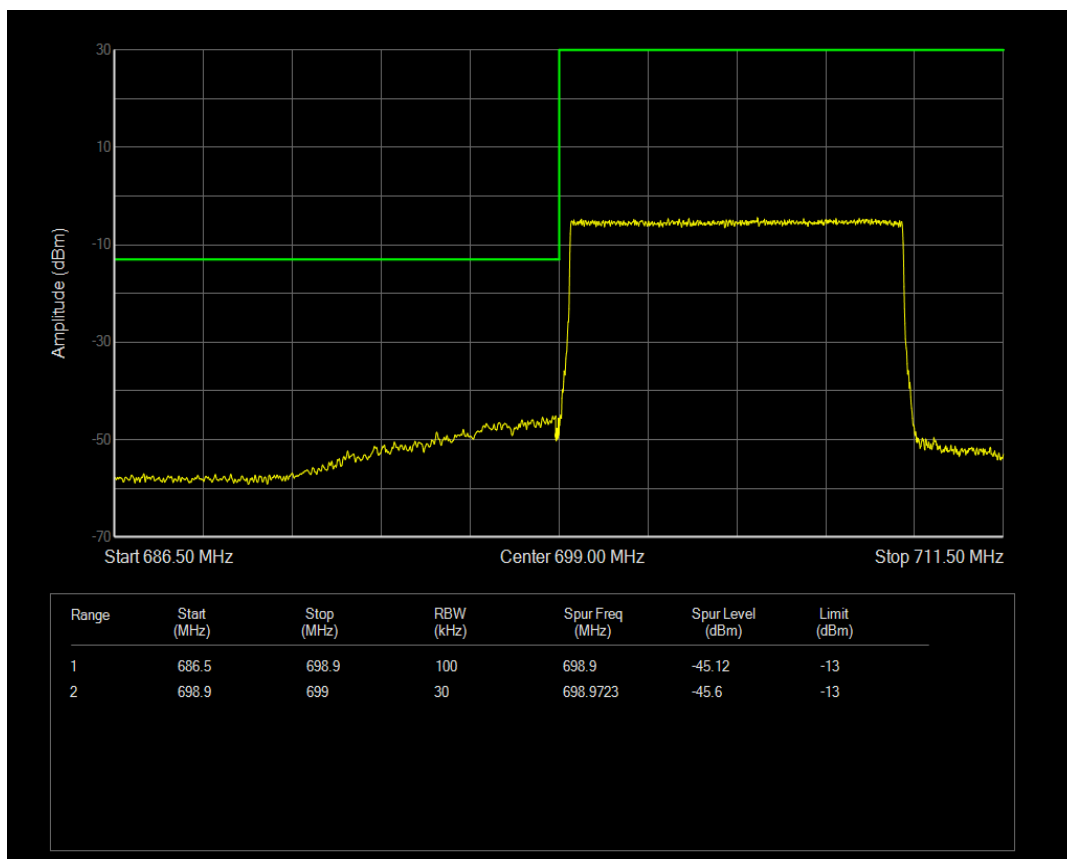
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@0



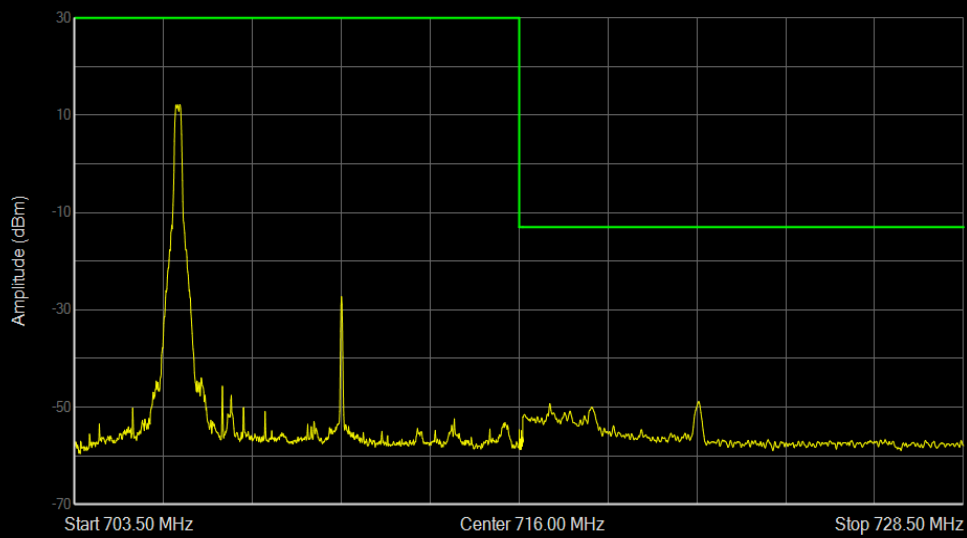
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@51



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

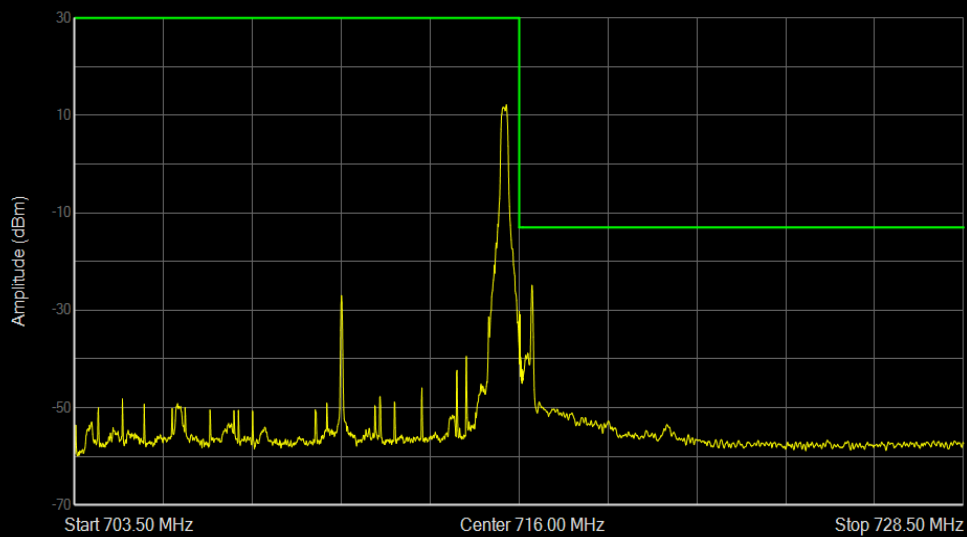


n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=1@0



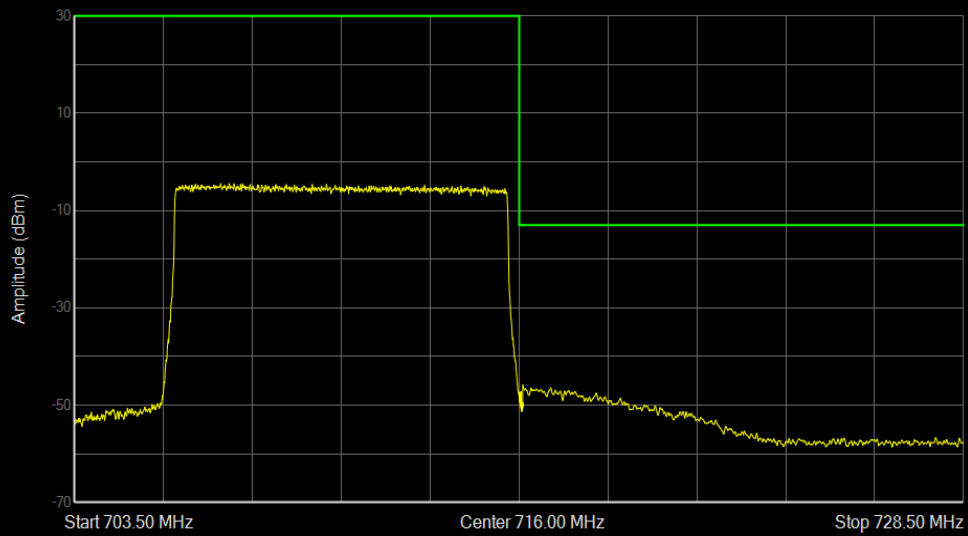
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0003	-54.68	-13
3	716.1	728.5	100	721.0476	-48.85	-13

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



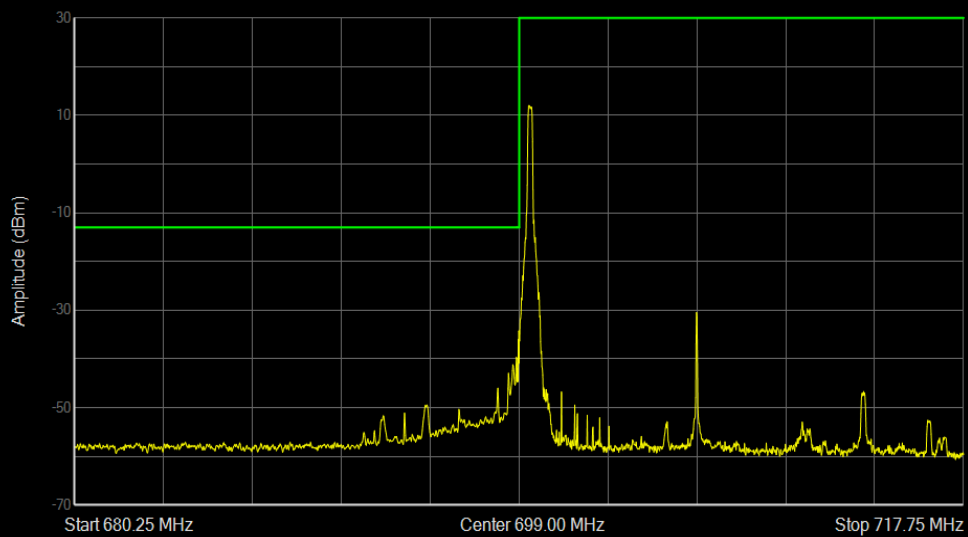
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0018	-30.24	-13
3	716.1	728.5	100	716.3604	-24.88	-13

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	716.0511	-47.19	-13
3	716.1	728.5	100	716.1124	-46.07	-13

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



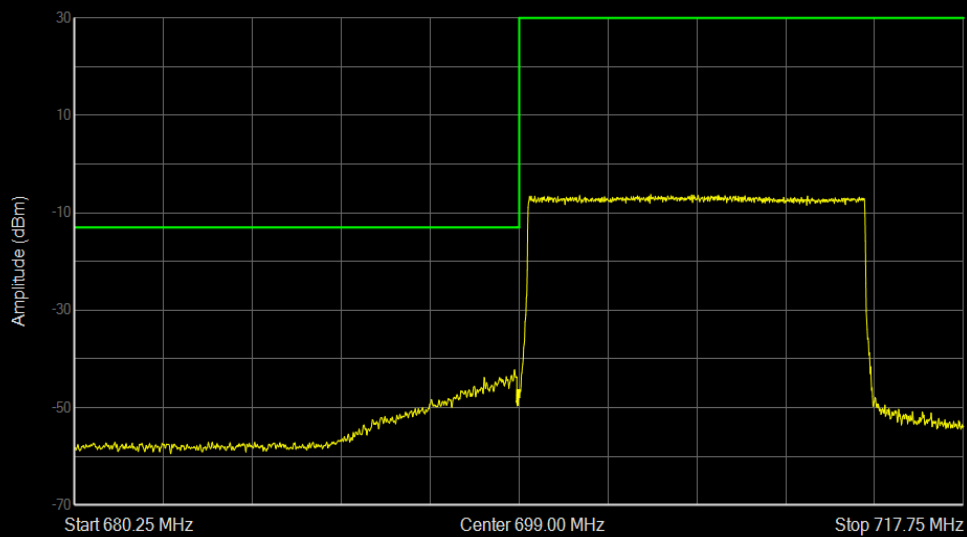
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	698.88135	-39.66	-13
2	698.9	699	30	698.9877	-34.26	-13

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



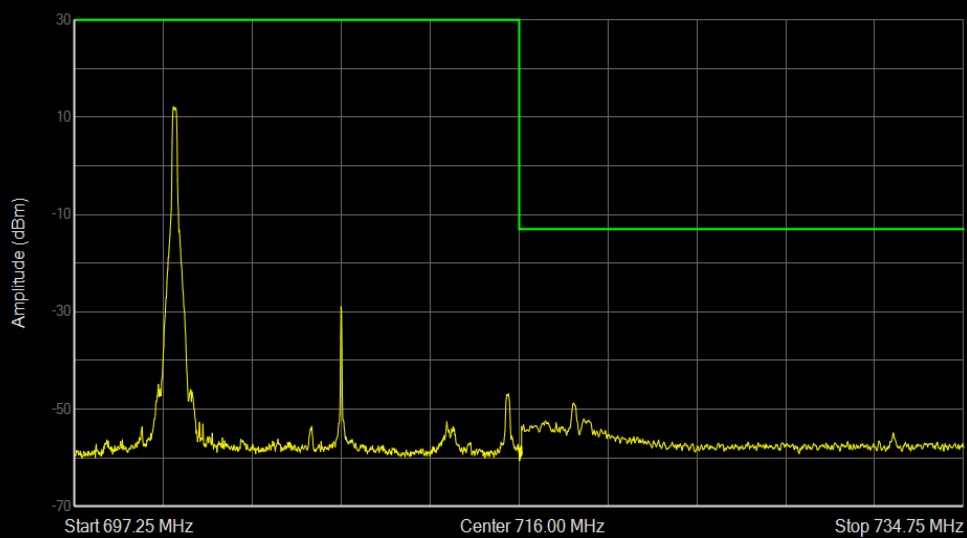
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	696.68065	-48.41	-13
2	698.9	699	30	698.9366	-57.97	-13

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



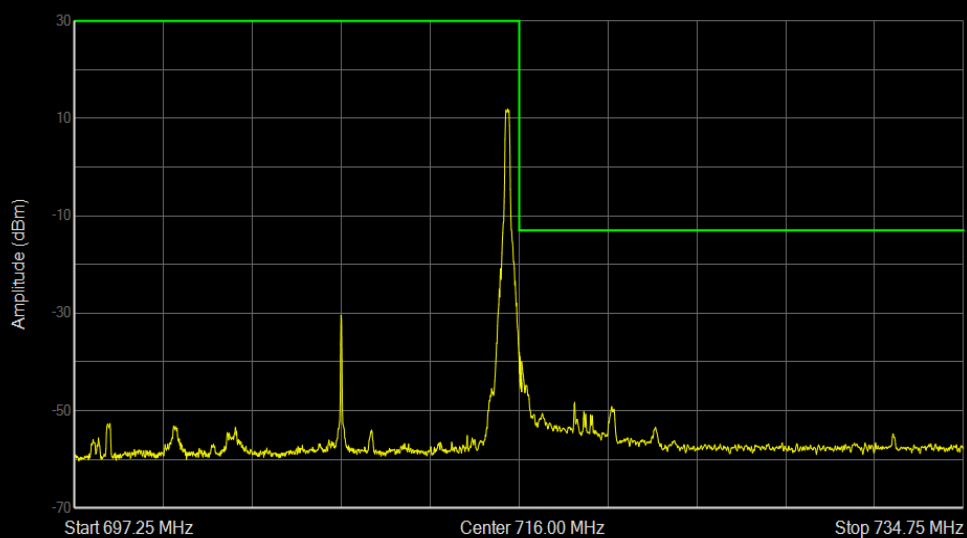
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698.9	100	698.80675	-42.23	-13
2	698.9	699	30	698.9736	-46.3	-13

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



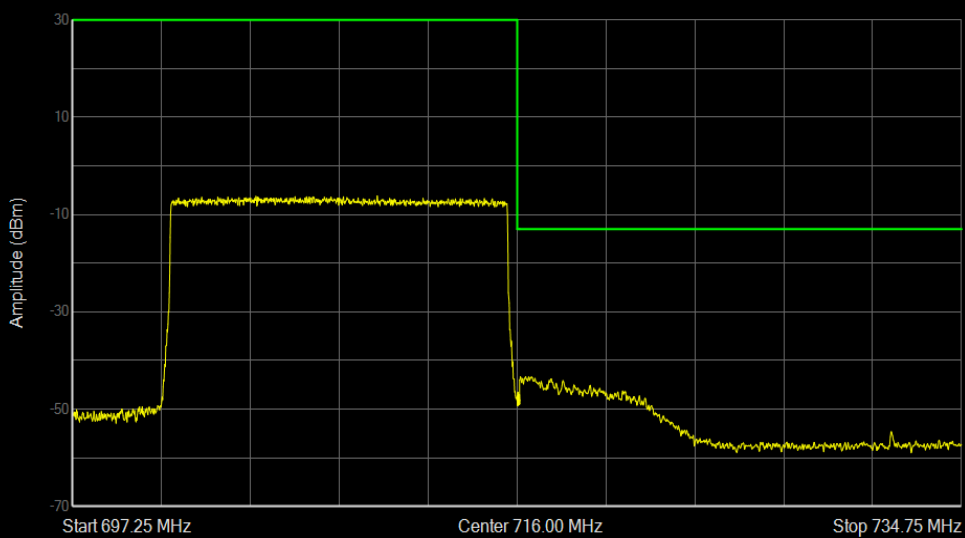
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0773	-57.59	-13
3	716.1	734.75	100	718.28205	-48.76	-13

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



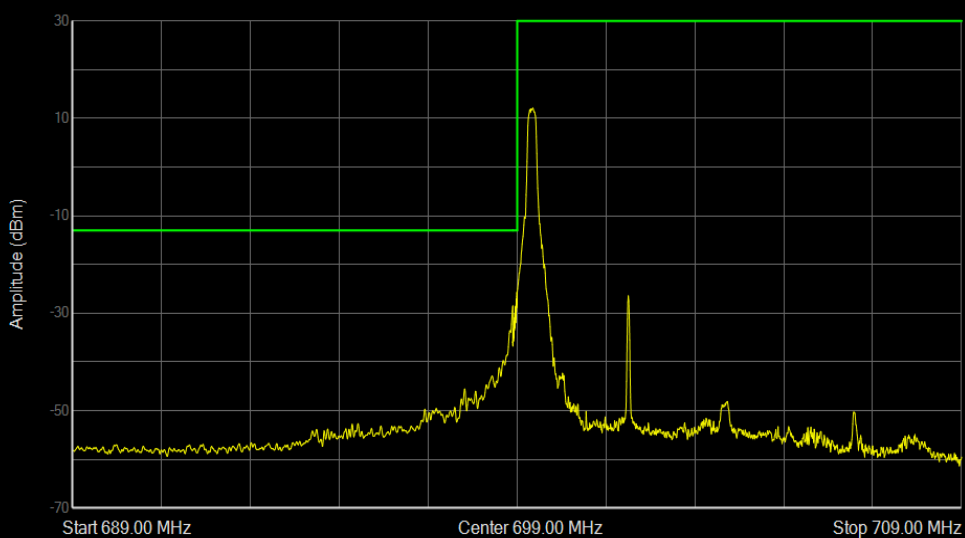
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.005	-37.99	-13
3	716.1	734.75	100	716.11865	-40.69	-13

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



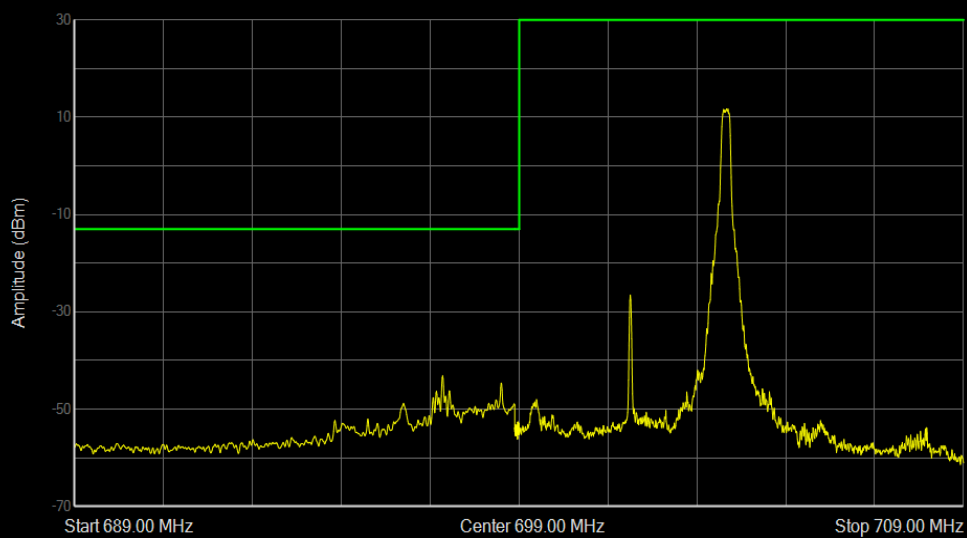
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0267	-46.56	-13
3	716.1	734.75	100	716.1373	-43.33	-13

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



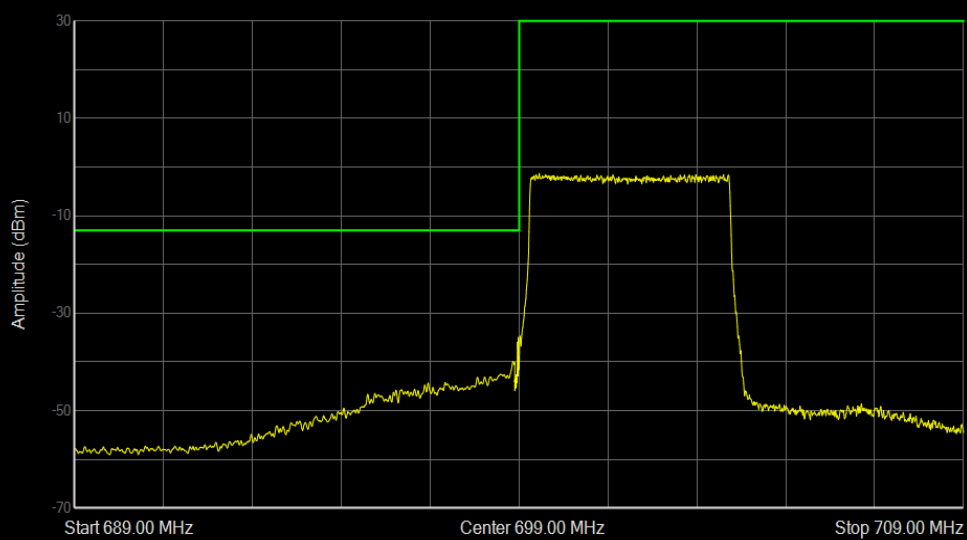
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-28.5	-13
2	698.9	699	30	698.9944	-25.68	-13

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



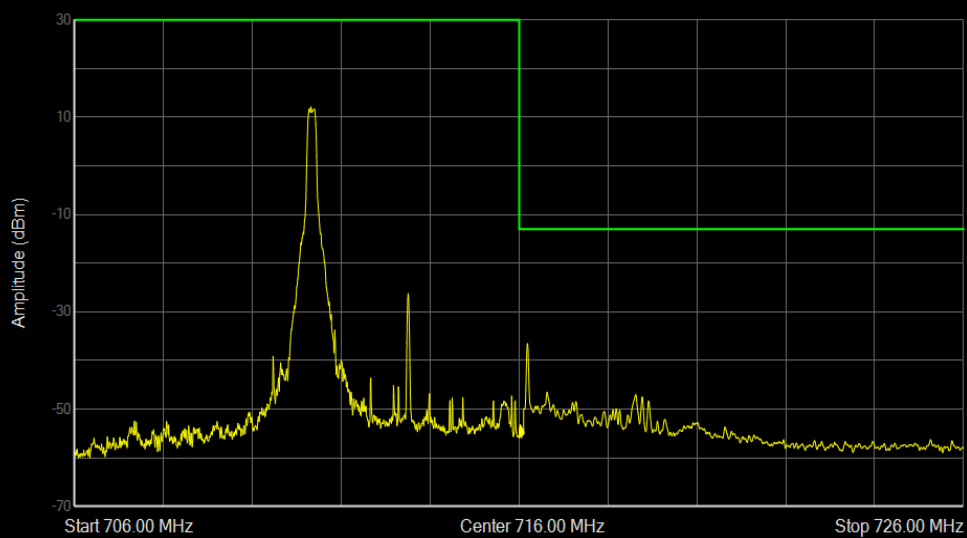
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	697.2764	-43.15	-13
2	698.9	699	30	698.9682	-52.64	-13

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



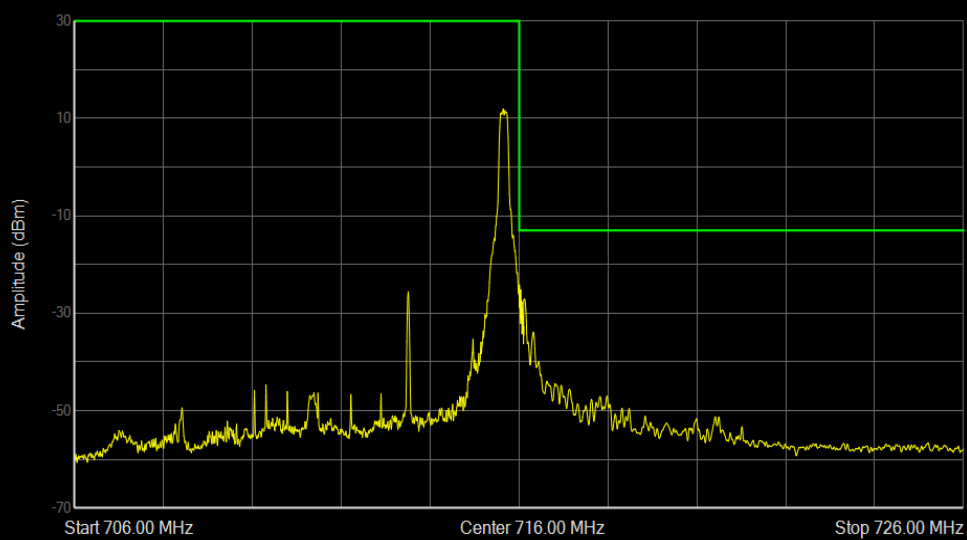
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.8604	-39.89	-13
2	698.9	699	30	698.9763	-34.99	-13

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



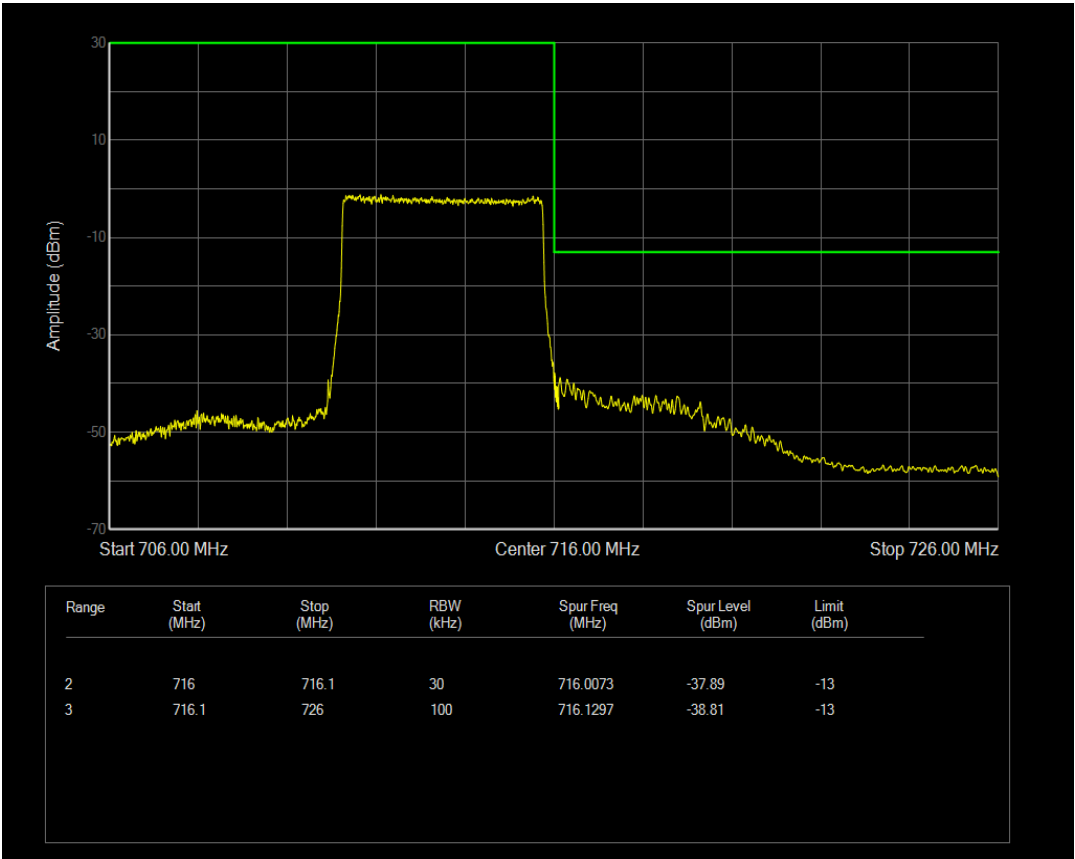
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	716	716.1	30	716.0213	-53.26	-13
3	716.1	726	100	716.1891	-36.54	-13

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	716.0037	-24.21	-13
3	716.1	726	100	716.1198	-27.09	-13

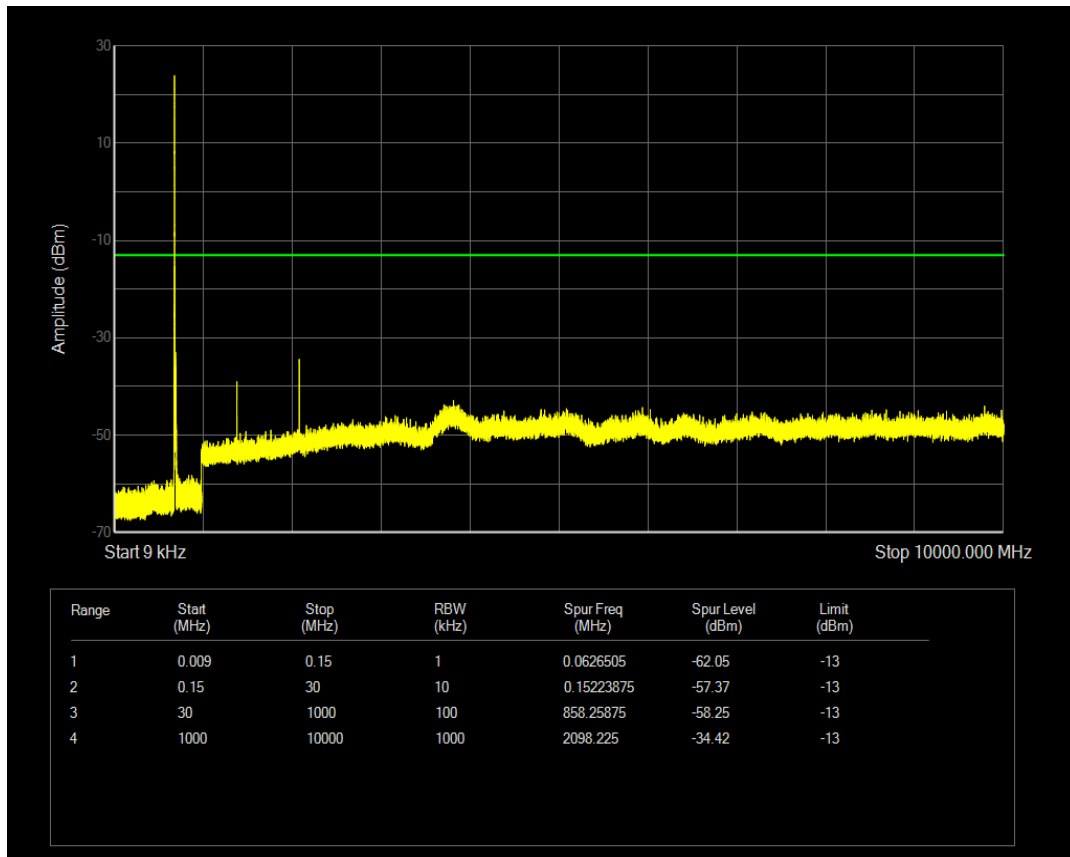
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=25@0



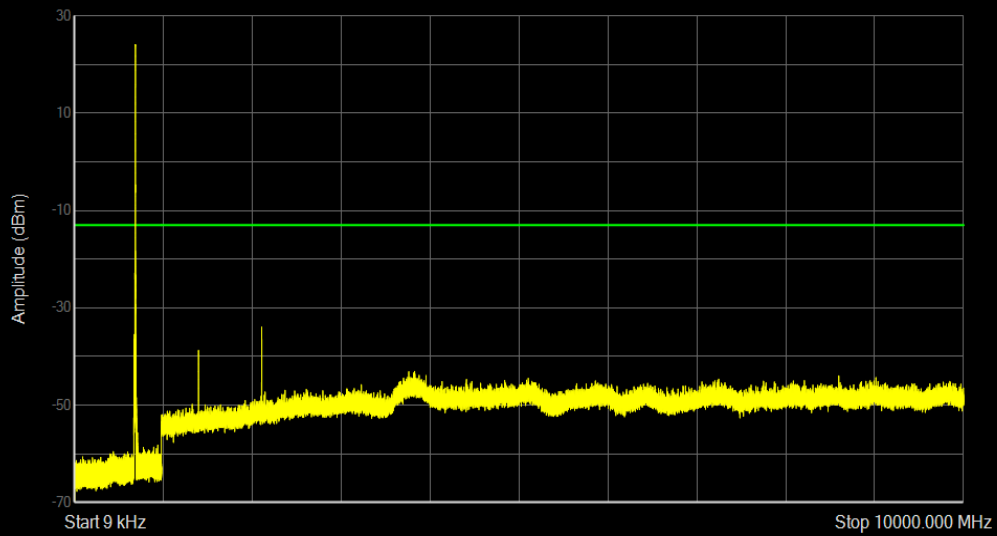
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n12	15	5	140300	25@0	CP_QPSK	2101.60	-40.22	-13	PASS
n12	15	5	140300	1@0	CP_QPSK	2098.23	-36.13	-13	PASS
n12	15	5	140300	1@24	CP_QPSK	2111.28	-36.17	-13	PASS
n12	15	5	142700	25@0	CP_QPSK	2144.58	-42.15	-13	PASS
n12	15	5	142700	1@0	CP_QPSK	2134.23	-37.53	-13	PASS
n12	15	5	142700	1@24	CP_QPSK	2147.05	-37.67	-13	PASS
n12	15	10	140800	52@0	CP_QPSK	3794.73	-43.06	-13	PASS
n12	15	10	140800	1@0	CP_QPSK	2098.23	-34.42	-13	PASS
n12	15	10	140800	1@51	CP_QPSK	2125.90	-33.99	-13	PASS
n12	15	10	142200	52@0	CP_QPSK	3813.40	-42.87	-13	PASS
n12	15	10	142200	1@0	CP_QPSK	1412.88	-36.58	-13	PASS
n12	15	10	142200	1@51	CP_QPSK	2147.28	-37.65	-13	PASS
n12	15	15	141300	79@0	CP_QPSK	3846.03	-43.42	-13	PASS
n12	15	15	141300	1@0	CP_QPSK	2098.68	-35.58	-13	PASS
n12	15	15	141300	1@78	CP_QPSK	2140.75	-37.22	-13	PASS
n12	15	15	141700	79@0	CP_QPSK	5115.48	-43.73	-13	PASS
n12	15	15	141700	1@0	CP_QPSK	2104.53	-34.46	-13	PASS
n12	15	15	141700	1@78	CP_QPSK	2147.05	-35.00	-13	PASS

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

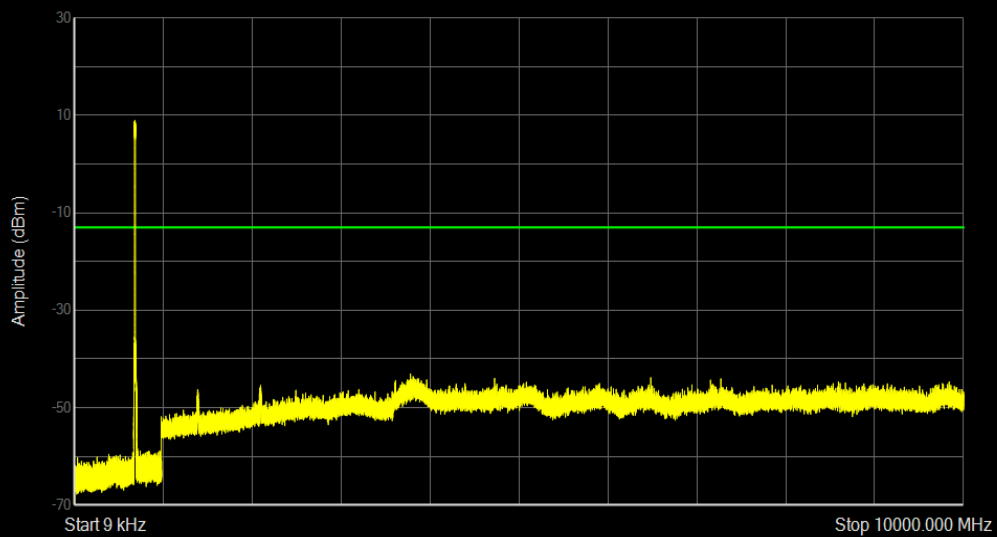


n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=1@51



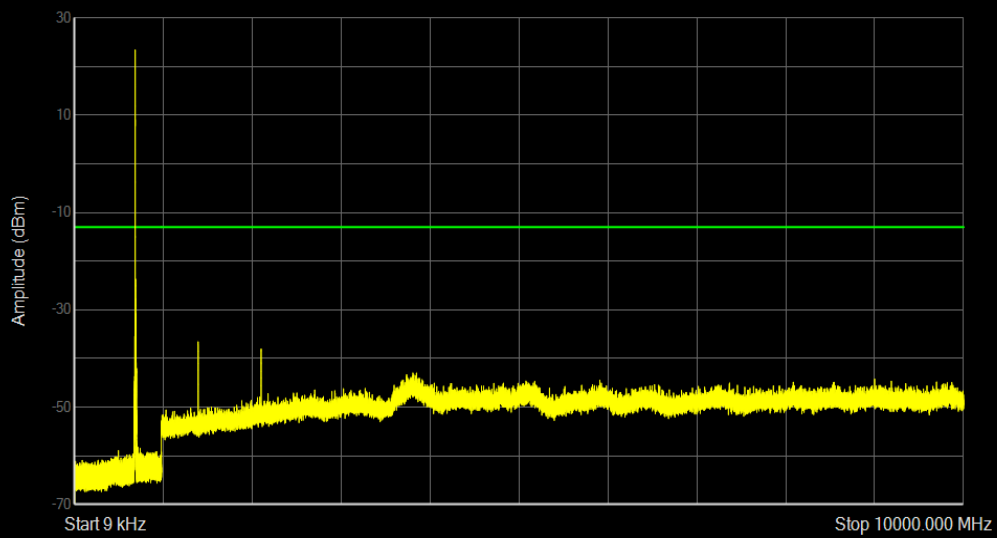
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062724525	-62.57	-13
2	0.15	30	10	0.16119375	-59.09	-13
3	30	1000	100	960.59375	-58.22	-13
4	1000	10000	1000	2125.9	-33.99	-13

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



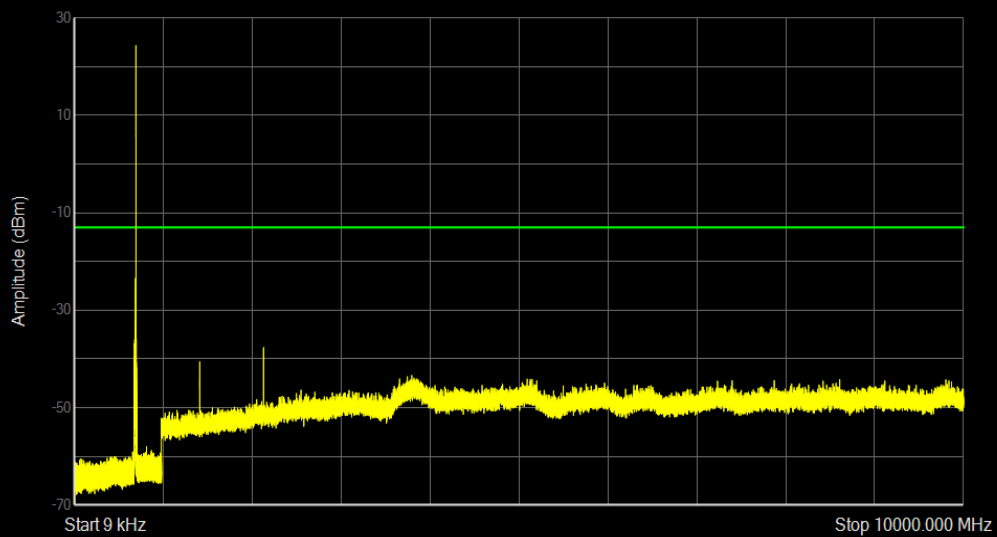
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0626787	-63.14	-13
2	0.15	30	10	0.15373125	-58.23	-13
3	30	1000	100	861.60525	-58.91	-13
4	1000	10000	1000	3794.725	-43.06	-13

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



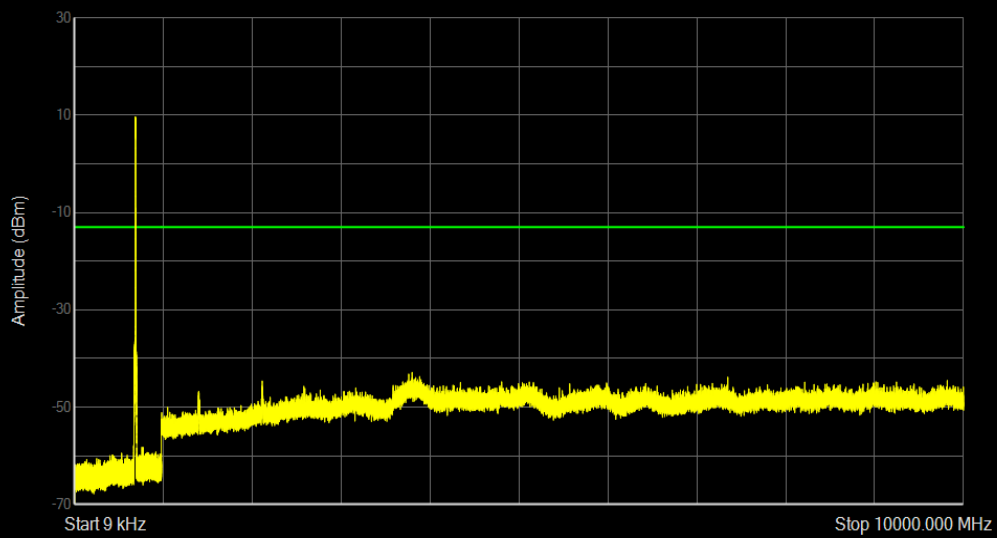
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062721	-61.41	-13
2	0.15	30	10	0.15	-59.85	-13
3	30	1000	100	763.0775	-58.48	-13
4	1000	10000	1000	1412.875	-36.58	-13

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



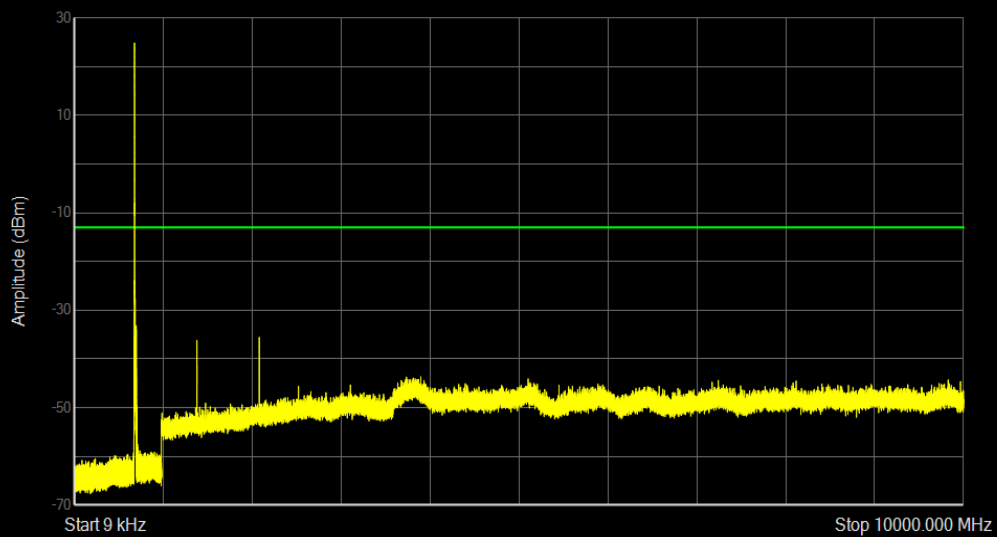
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062971275	-61.98	-13
2	0.15	30	10	0.17014875	-58.73	-13
3	30	1000	100	833.76625	-58.02	-13
4	1000	10000	1000	2147.275	-37.65	-13

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



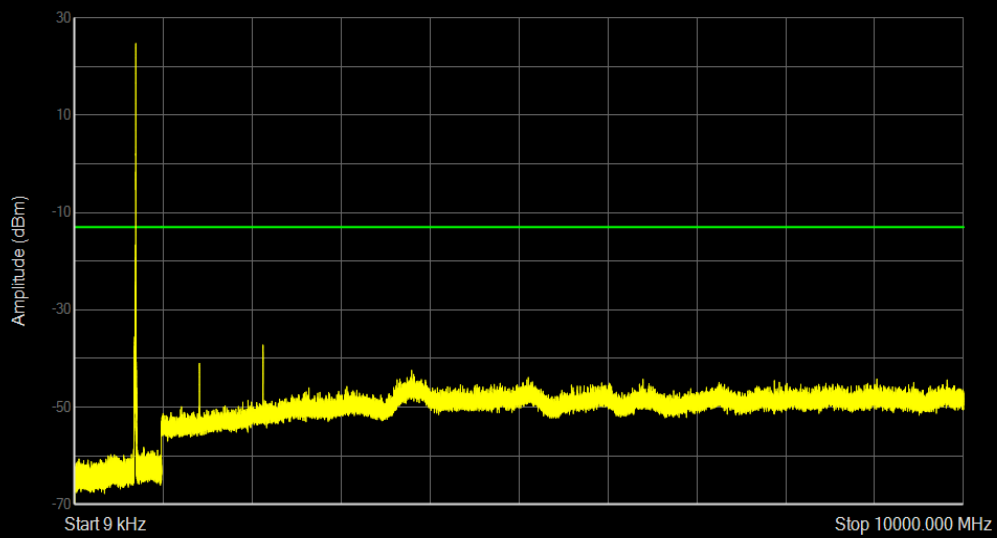
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062802075	-62.97	-13
2	0.15	30	10	0.15	-59.16	-13
3	30	1000	100	783.1565	-58.21	-13
4	1000	10000	1000	3813.4	-42.87	-13

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



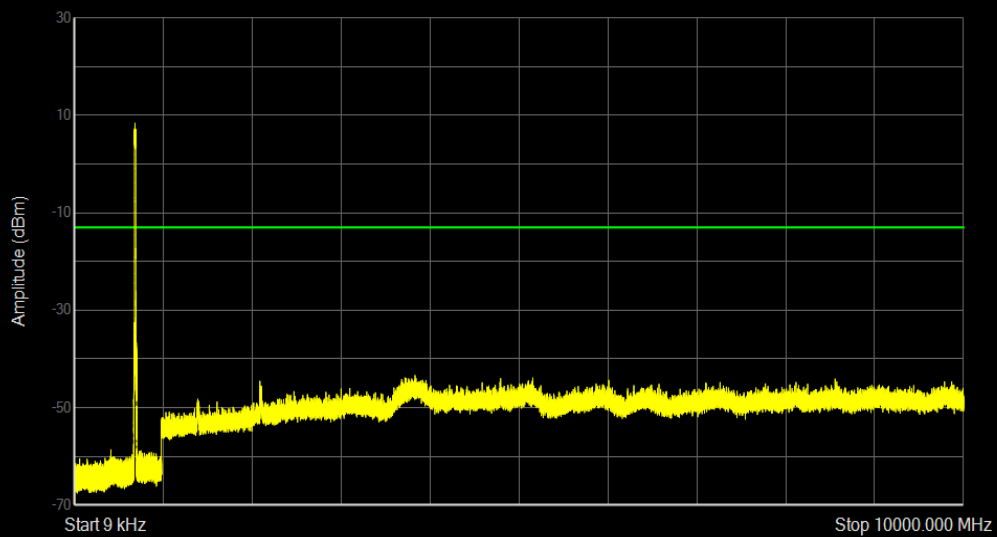
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062914875	-62.28	-13
2	0.15	30	10	0.1604475	-59.03	-13
3	30	1000	100	923.6125	-59.17	-13
4	1000	10000	1000	2098.675	-35.58	-13

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



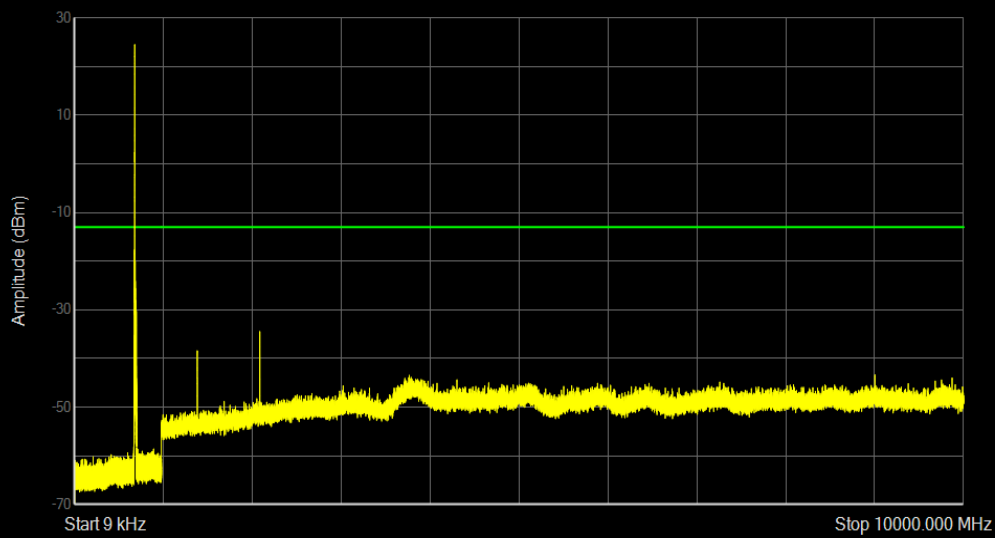
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062604675	-61.84	-13
2	0.15	30	10	0.15	-59.34	-13
3	30	1000	100	802.5565	-58.25	-13
4	1000	10000	1000	2140.75	-37.22	-13

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



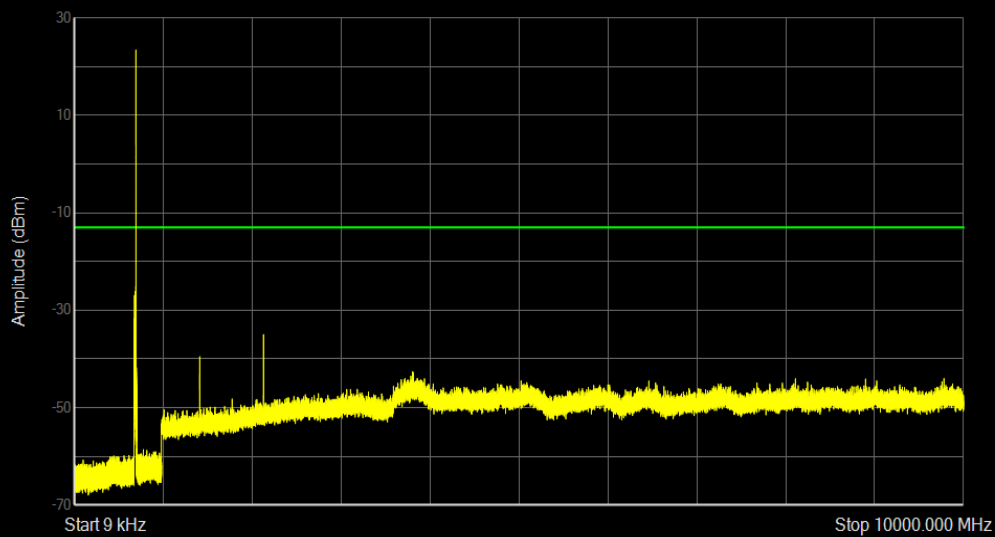
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0628902	-63.12	-13
2	0.15	30	10	0.16268625	-59.96	-13
3	30	1000	100	433.98075	-58.62	-13
4	1000	10000	1000	3846.025	-43.42	-13

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



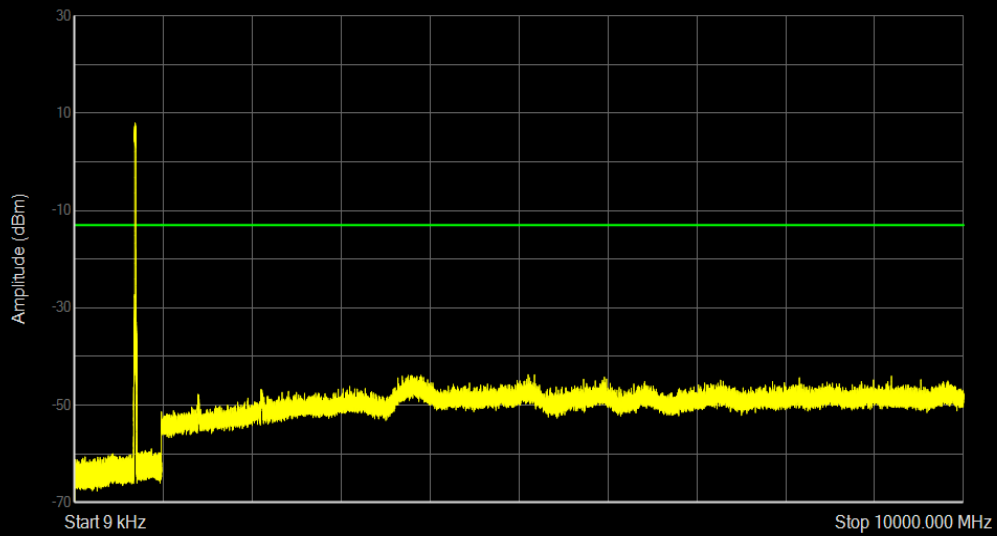
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06241785	-61.02	-13
2	0.15	30	10	0.15074625	-57.58	-13
3	30	1000	100	913.88825	-58.59	-13
4	1000	10000	1000	2104.525	-34.46	-13

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



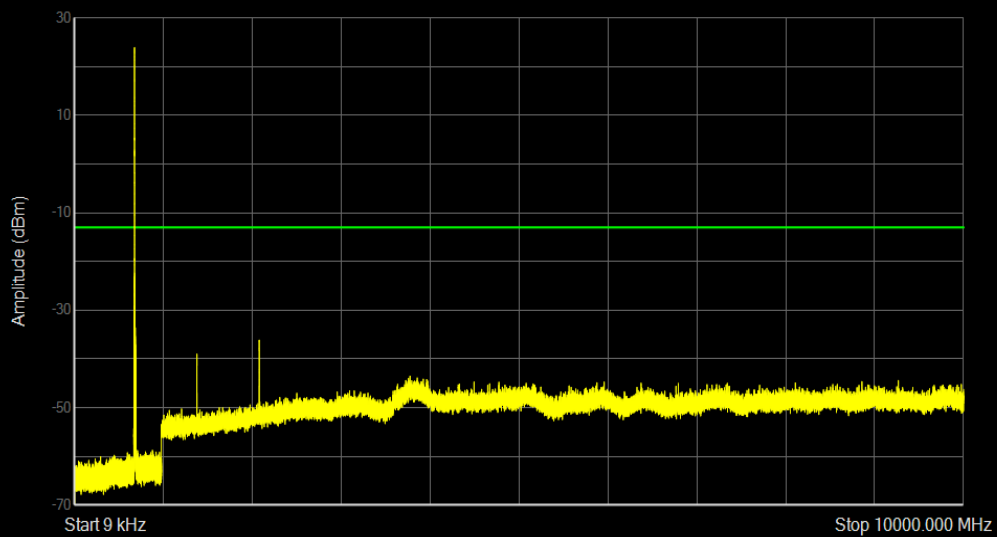
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06258	-62.47	-13
2	0.15	30	10	0.15	-59.3	-13
3	30	1000	100	798.07025	-58.61	-13
4	1000	10000	1000	2147.05	-35	-13

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



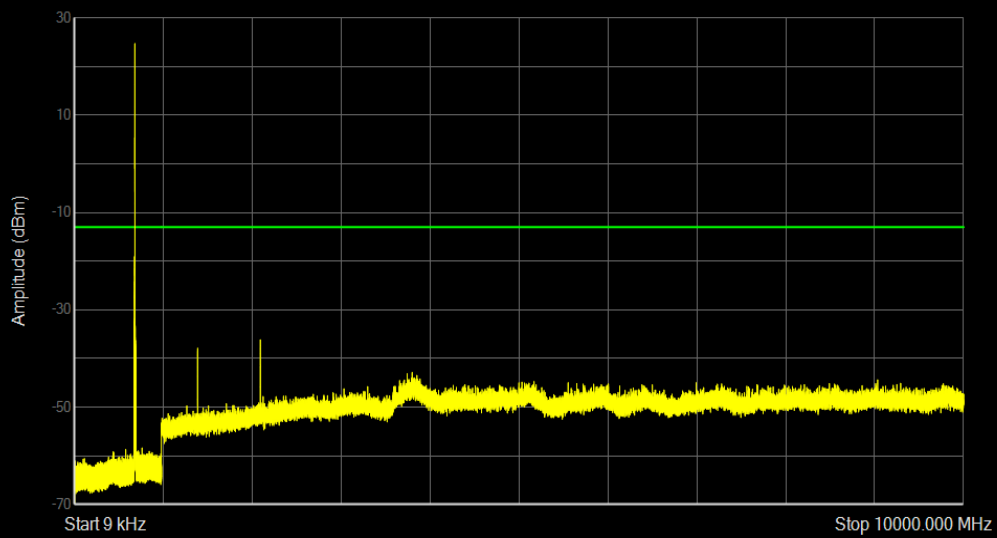
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062562375	-63.46	-13
2	0.15	30	10	0.158955	-59.53	-13
3	30	1000	100	888.86225	-59	-13
4	1000	10000	1000	5115.475	-43.73	-13

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



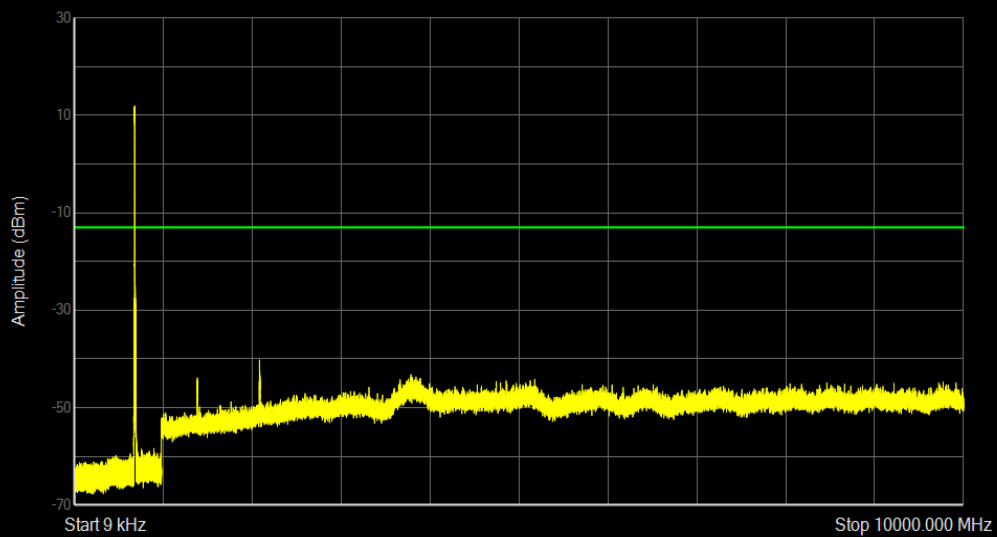
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0628056	-62.72	-13
2	0.15	30	10	0.15074625	-58.2	-13
3	30	1000	100	899.96875	-58.79	-13
4	1000	10000	1000	2098.225	-36.13	-13

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



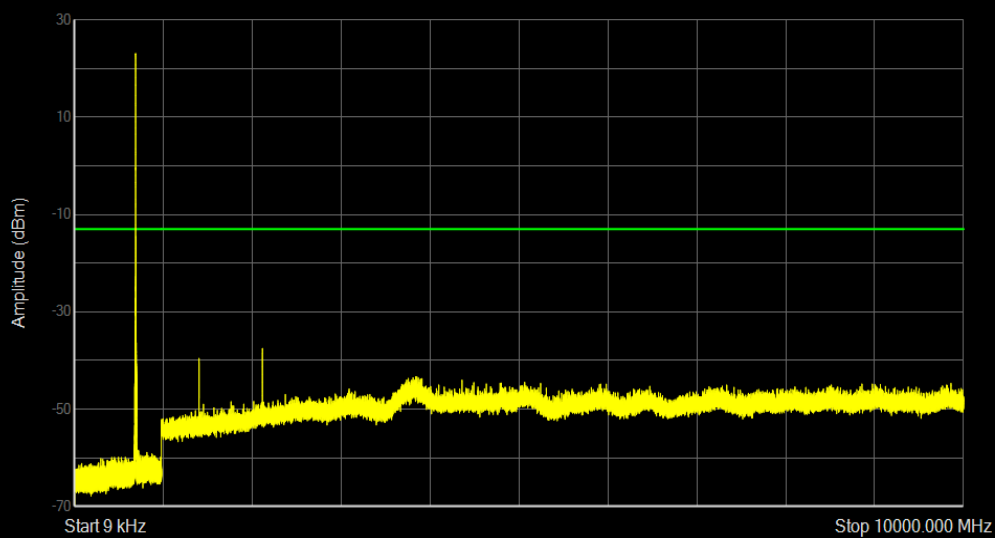
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062632875	-62.32	-13
2	0.15	30	10	0.1574625	-58.67	-13
3	30	1000	100	784.757	-58.39	-13
4	1000	10000	1000	2111.275	-36.17	-13

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



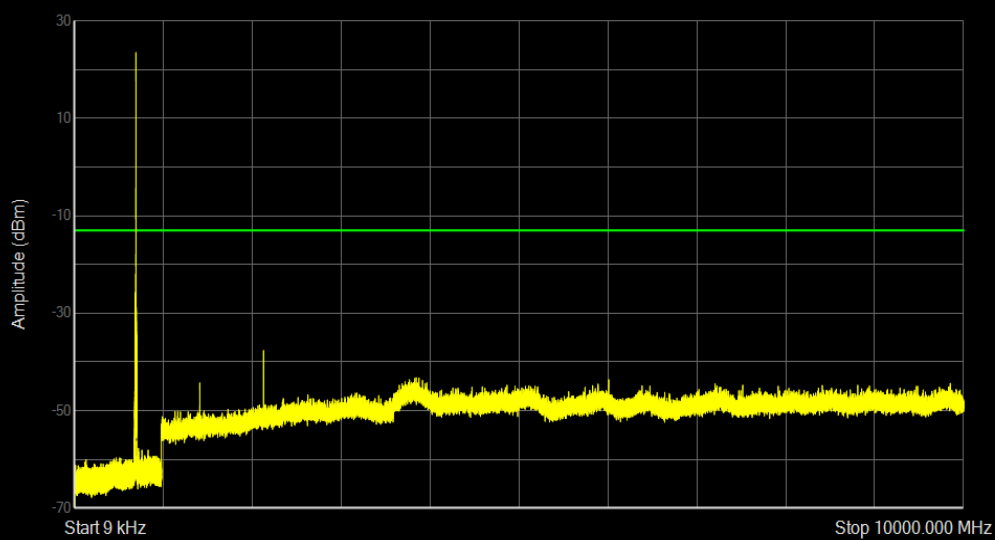
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062837325	-63.29	-13
2	0.15	30	10	0.18507375	-60.18	-13
3	30	1000	100	915.61	-58.4	-13
4	1000	10000	1000	2101.6	-40.22	-13

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



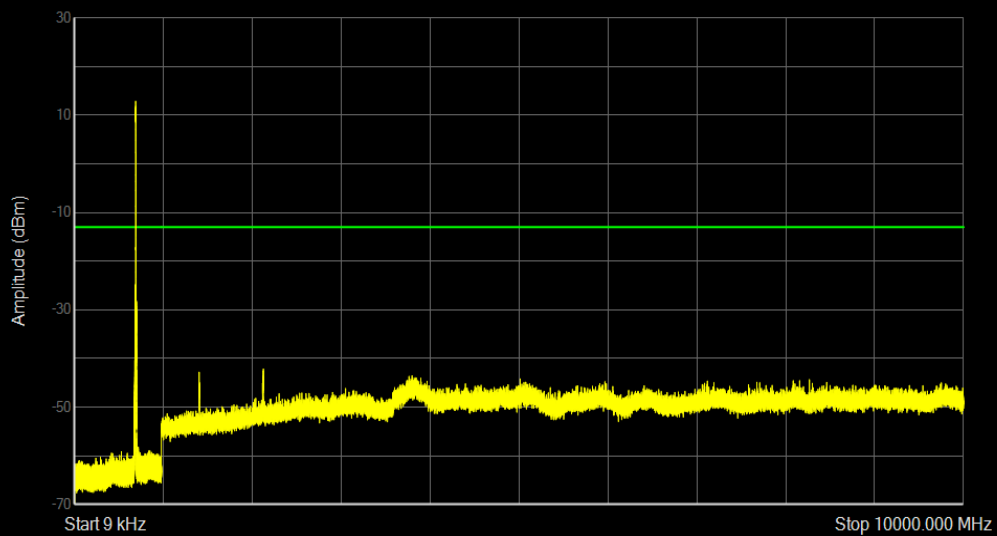
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062862	-62.12	-13
2	0.15	30	10	0.158955	-58.31	-13
3	30	1000	100	742.368	-58.49	-13
4	1000	10000	1000	2134.225	-37.53	-13

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	0.062527125	-63.41	-13
2	0.15	30	10	0.15522375	-59.26	-13
3	30	1000	100	743.21675	-57.78	-13
4	1000	10000	1000	2147.05	-37.67	-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	0.06224865	-63.52	-13
2	0.15	30	10	0.152985	-59.78	-13
3	30	1000	100	741.98	-58.21	-13
4	1000	10000	1000	2144.575	-42.15	-13