



n5 SCS=15kHz DFT_QAM16 BW=15MHz Channel=167300 RB=75@0



n5 SCS=15kHz DFT_QAM16 BW=20MHz Channel=167300 RB=100@0



n5 SCS=15kHz DFT_QAM16 BW=5MHz Channel=167300 RB=25@0



n5 SCS=15kHz DFT_QAM256 BW=10MHz Channel=167300 RB=50@0



n5 SCS=15kHz DFT_QAM256 BW=15MHz Channel=167300 RB=75@0



n5 SCS=15kHz DFT_QAM256 BW=20MHz Channel=167300 RB=100@0



n5 SCS=15kHz DFT_QAM256 BW=5MHz Channel=167300 RB=25@0



n5 SCS=15kHz DFT_QAM64 BW=10MHz Channel=167300 RB=50@0



n5 SCS=15kHz DFT_QAM64 BW=15MHz Channel=167300 RB=75@0



n5 SCS=15kHz DFT_QAM64 BW=20MHz Channel=167300 RB=100@0



n5 SCS=15kHz DFT_QAM64 BW=5MHz Channel=167300 RB=25@0



n5 SCS=15kHz DFT_QPSK BW=10MHz Channel=167300 RB=50@0



n5 SCS=15kHz DFT_QPSK BW=15MHz Channel=167300 RB=75@0



n5 SCS=15kHz DFT_QPSK BW=20MHz Channel=167300 RB=100@0



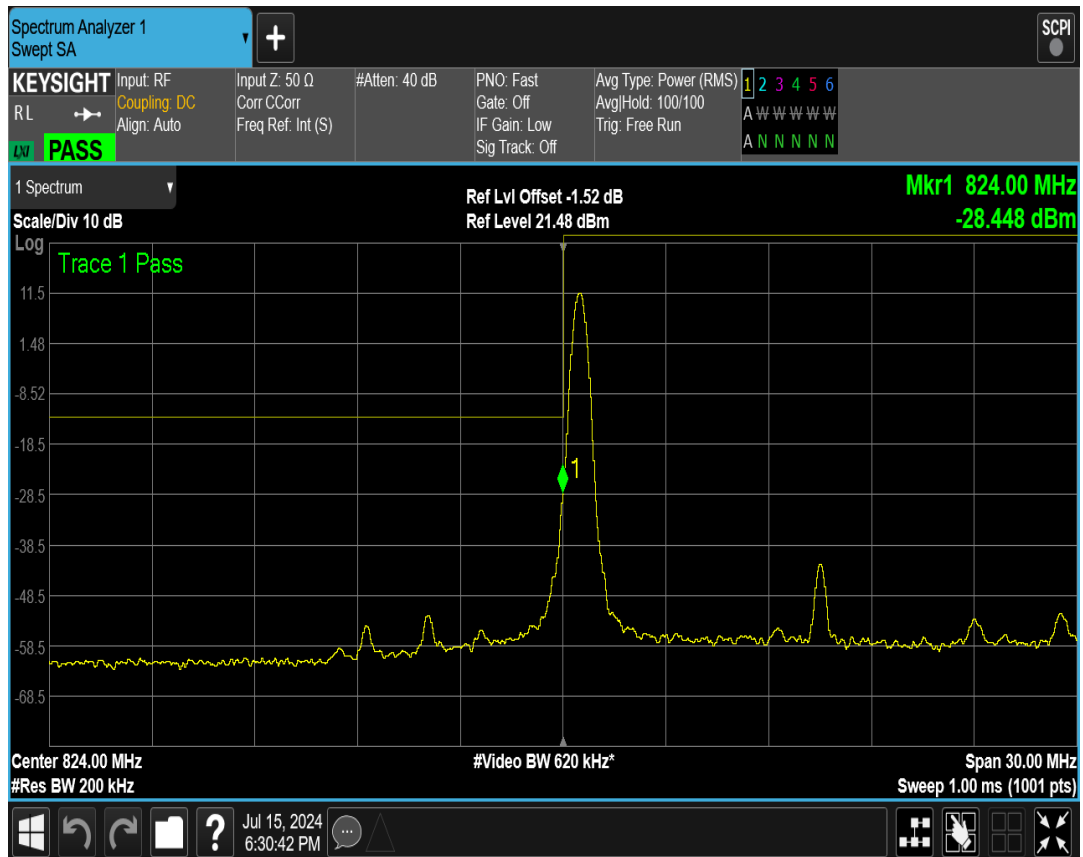
n5 SCS=15kHz DFT_QPSK BW=5MHz Channel=167300 RB=25@0



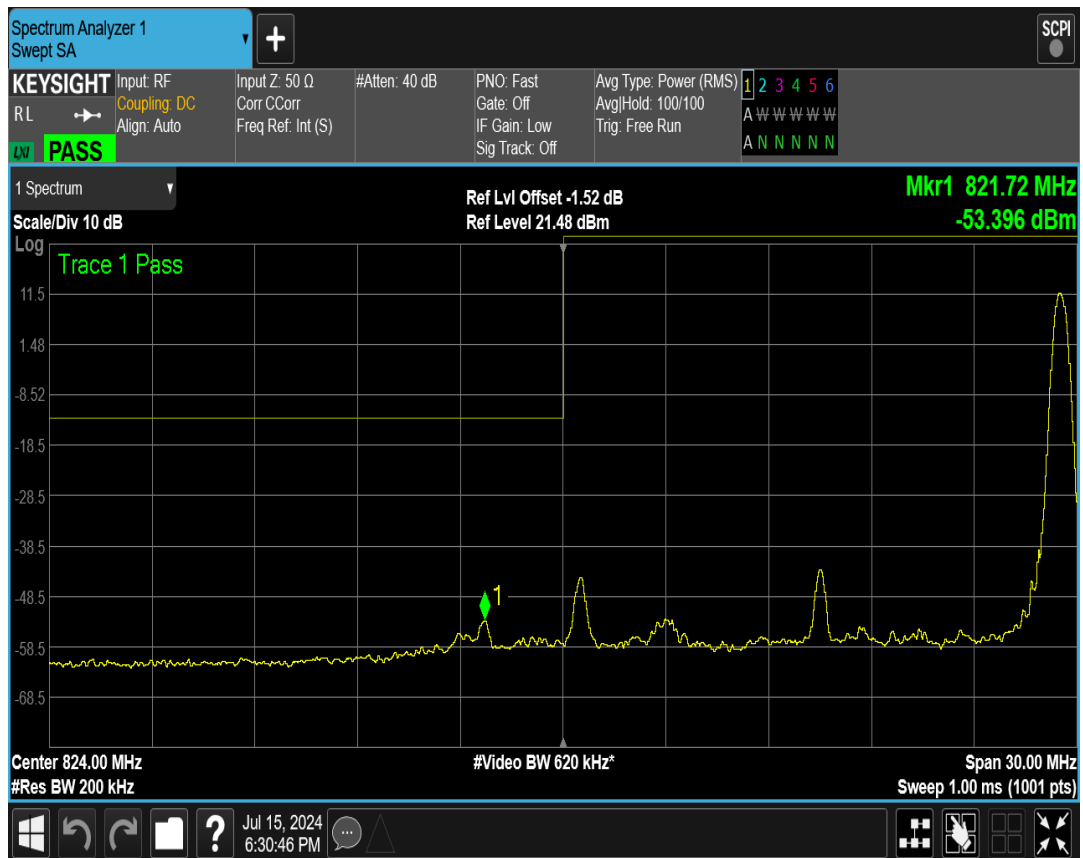
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	15	5	165300	25@0	CP_QPSK	824.00	-35.22	-13	PASS
n5	15	5	165300	1@0	CP_QPSK	824.00	-13.77	-13	PASS
n5	15	5	165300	1@24	CP_QPSK	824.00	-27.89	-13	PASS
n5	15	5	169300	25@0	CP_QPSK	849.00	-36.54	-13	PASS
n5	15	5	169300	1@0	CP_QPSK	851.61	-53.28	-13	PASS
n5	15	5	169300	1@24	CP_QPSK	849.00	-15.07	-13	PASS
n5	15	15	166300	79@0	CP_QPSK	823.79	-36.71	-13	PASS
n5	15	15	166300	1@0	CP_QPSK	824.00	-28.44	-13	PASS
n5	15	15	166300	1@78	CP_QPSK	821.72	-53.39	-13	PASS
n5	15	15	168300	79@0	CP_QPSK	849.54	-37.01	-13	PASS
n5	15	15	168300	1@0	CP_QPSK	851.28	-52.64	-13	PASS
n5	15	15	168300	1@78	CP_QPSK	849.00	-26.51	-13	PASS
n5	15	20	166800	106@0	CP_QPSK	823.64	-36.90	-13	PASS
n5	15	20	166800	1@0	CP_QPSK	824.00	-29.03	-13	PASS
n5	15	20	166800	1@105	CP_QPSK	820.04	-55.00	-13	PASS
n5	15	20	167800	106@0	CP_QPSK	849.72	-36.82	-13	PASS
n5	15	20	167800	1@0	CP_QPSK	852.92	-53.44	-13	PASS
n5	15	20	167800	1@105	CP_QPSK	849.00	-27.08	-13	PASS

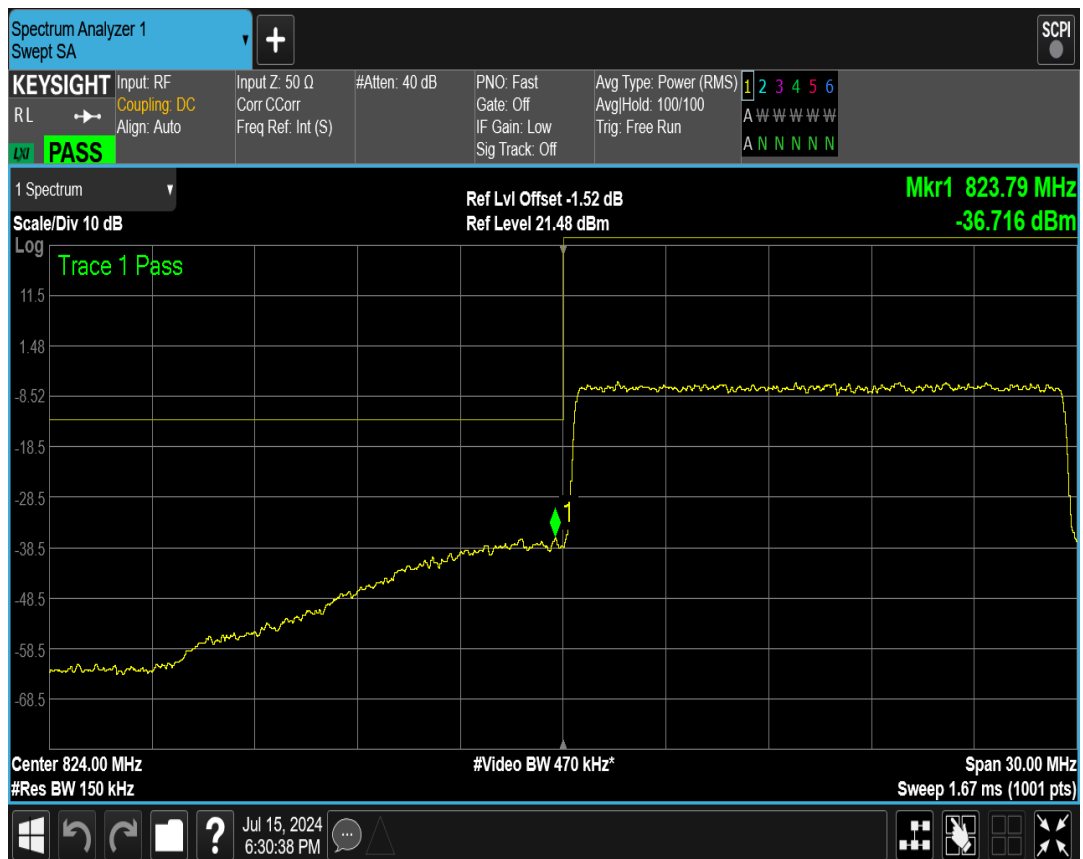
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@0



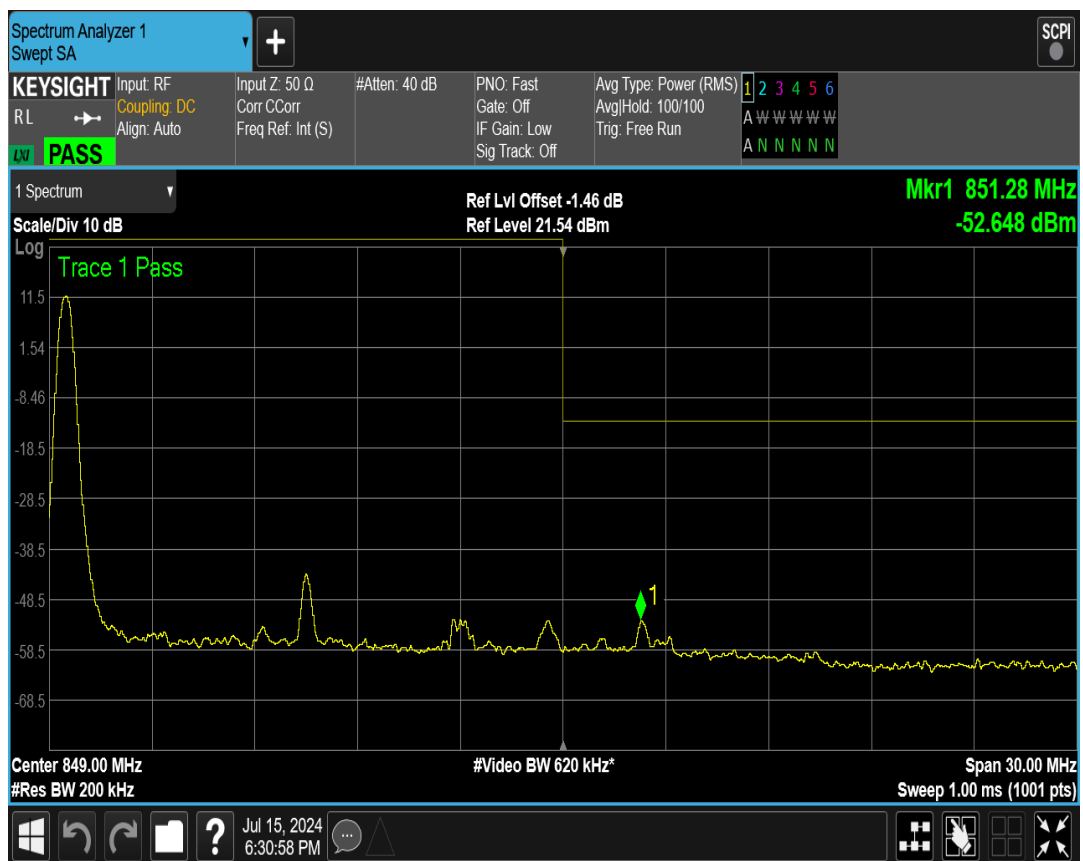
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@78



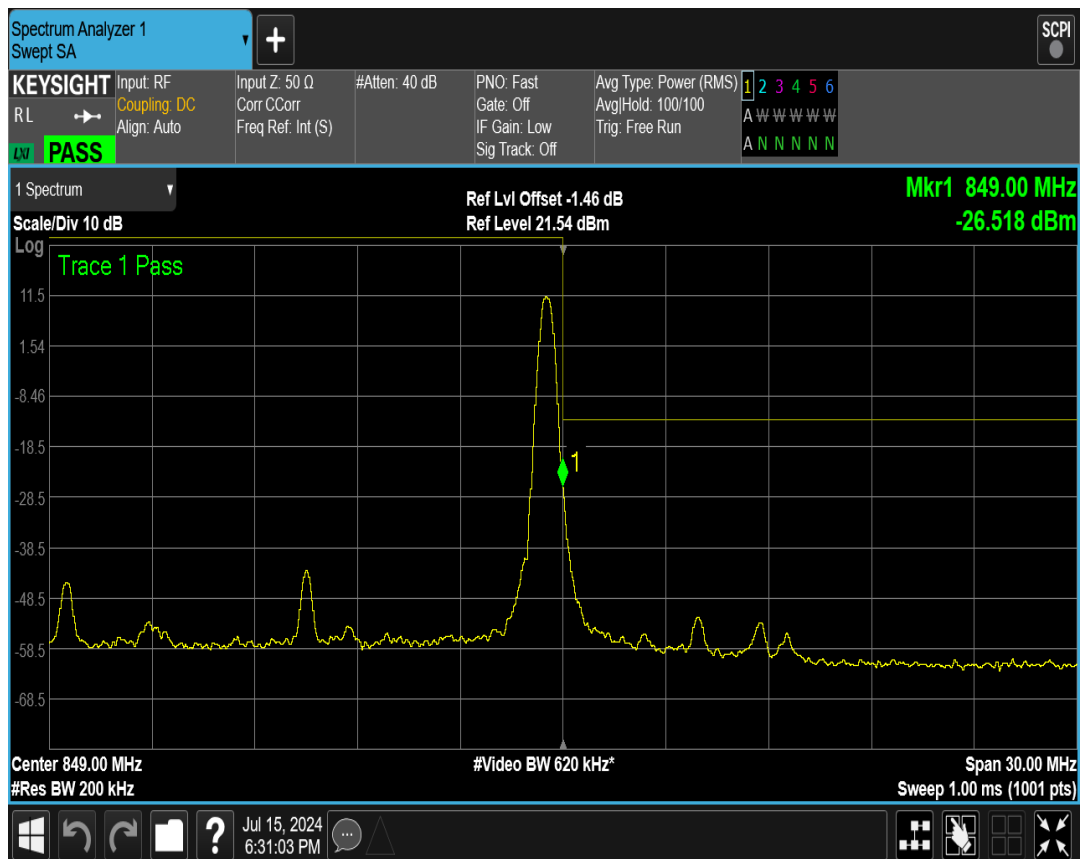
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=79@0



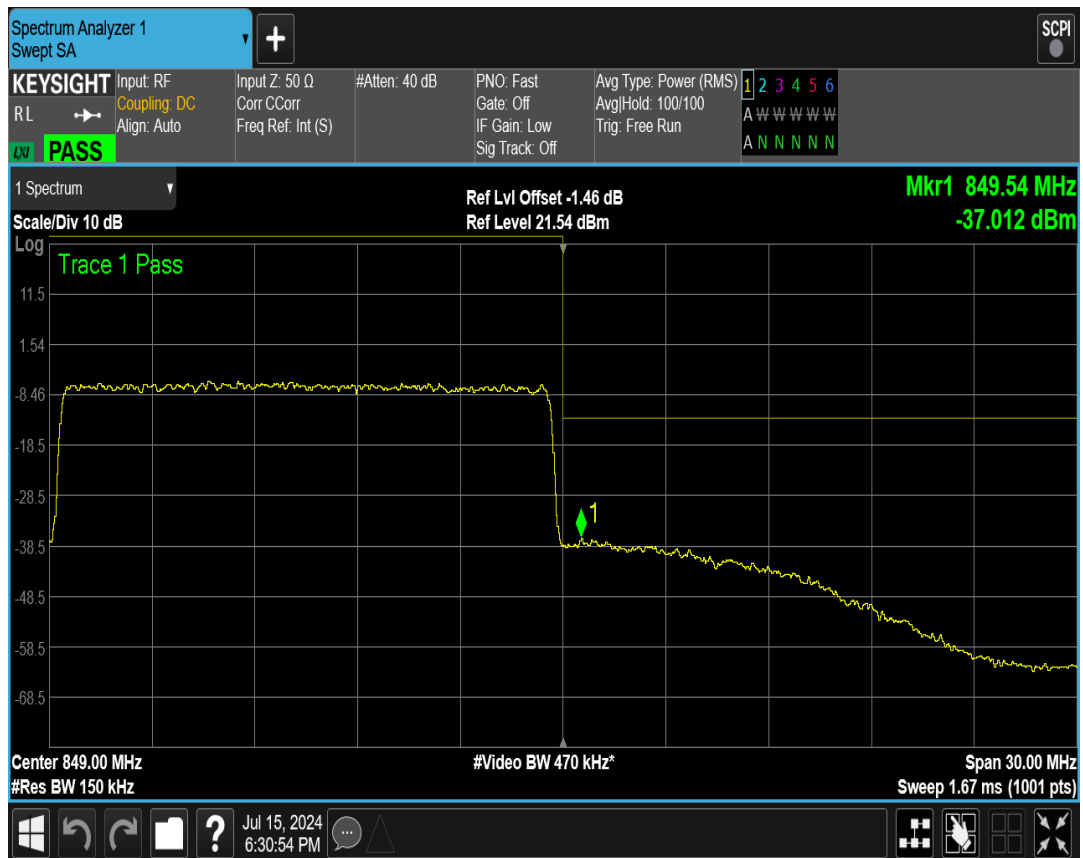
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@0



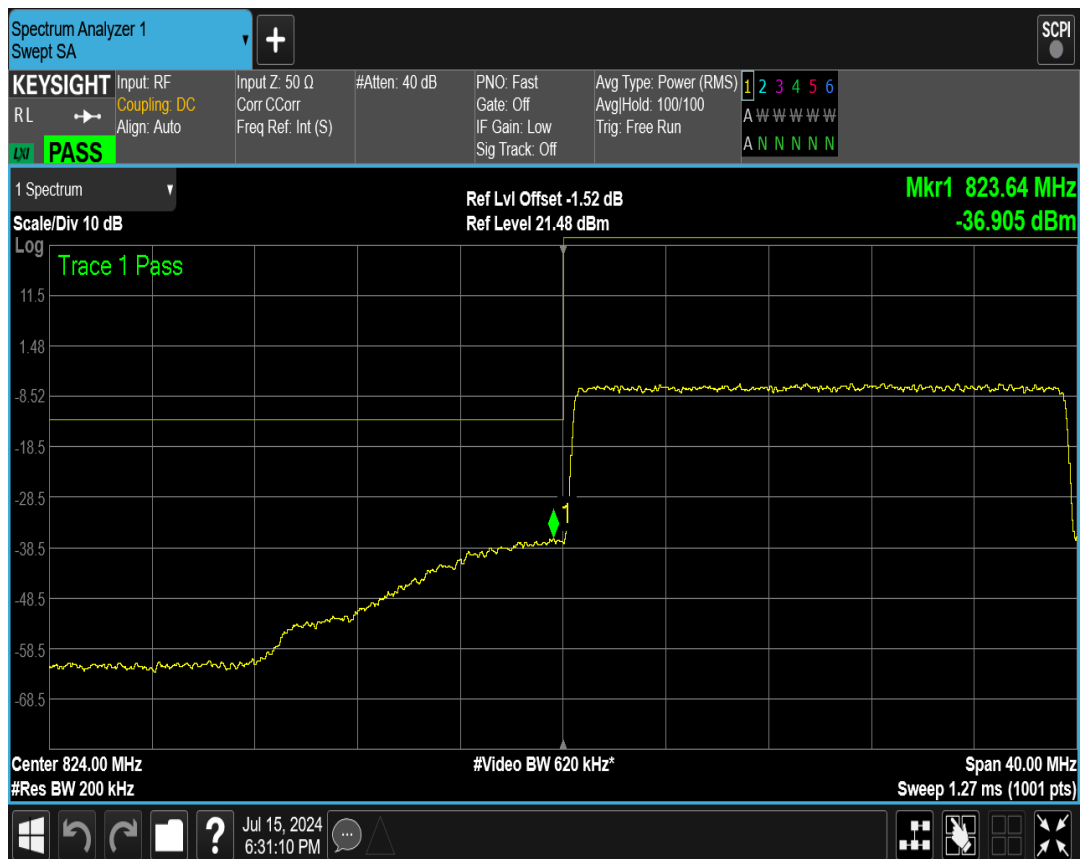
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@78



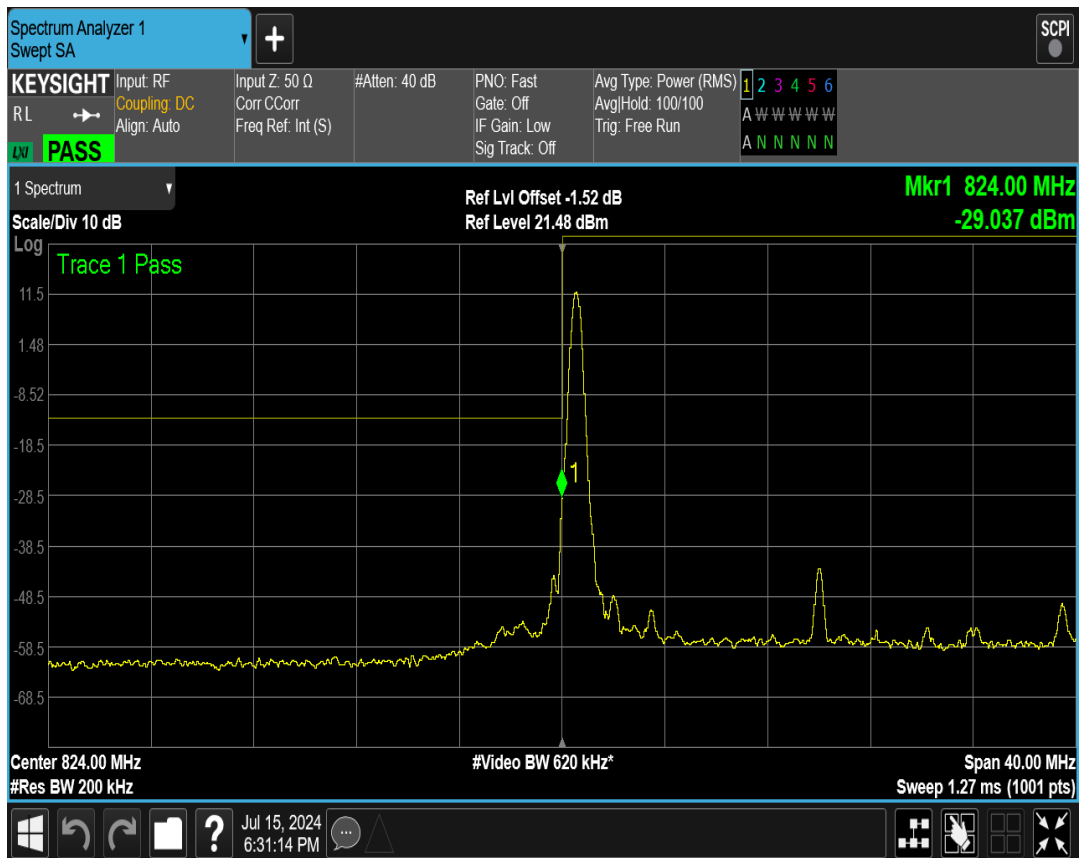
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=79@0



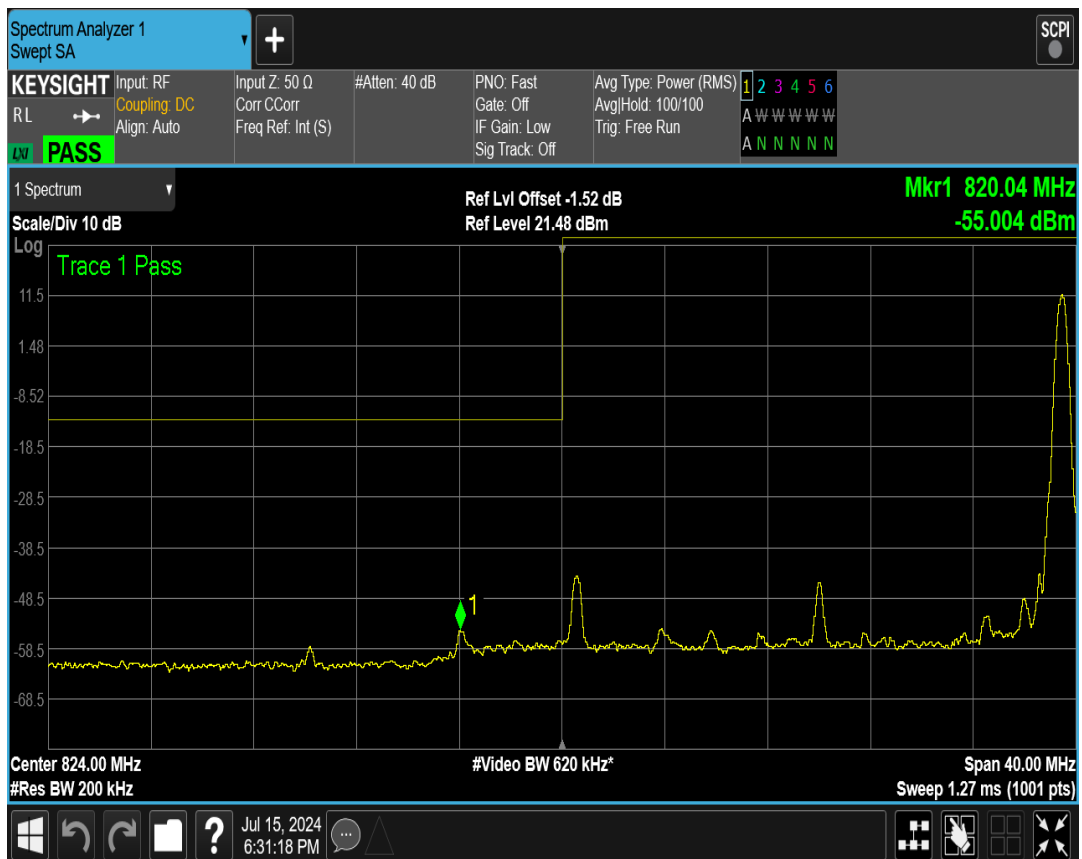
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=106@0



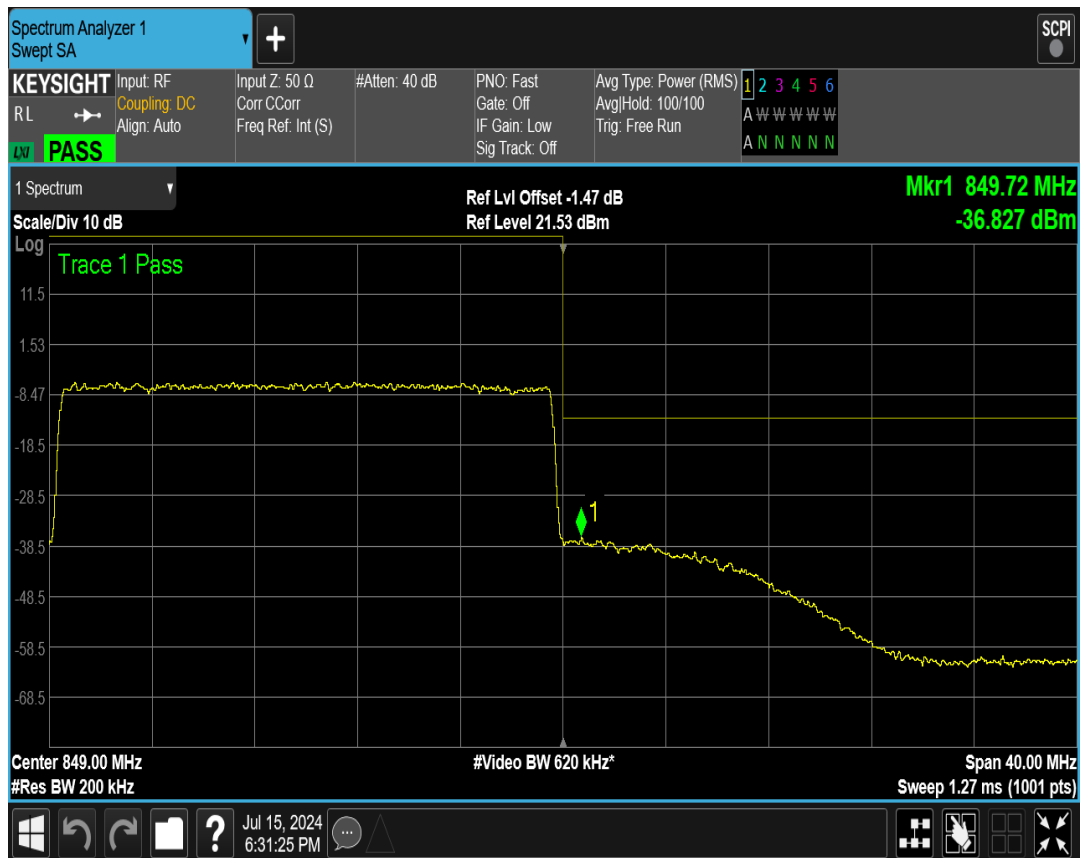
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=1@0



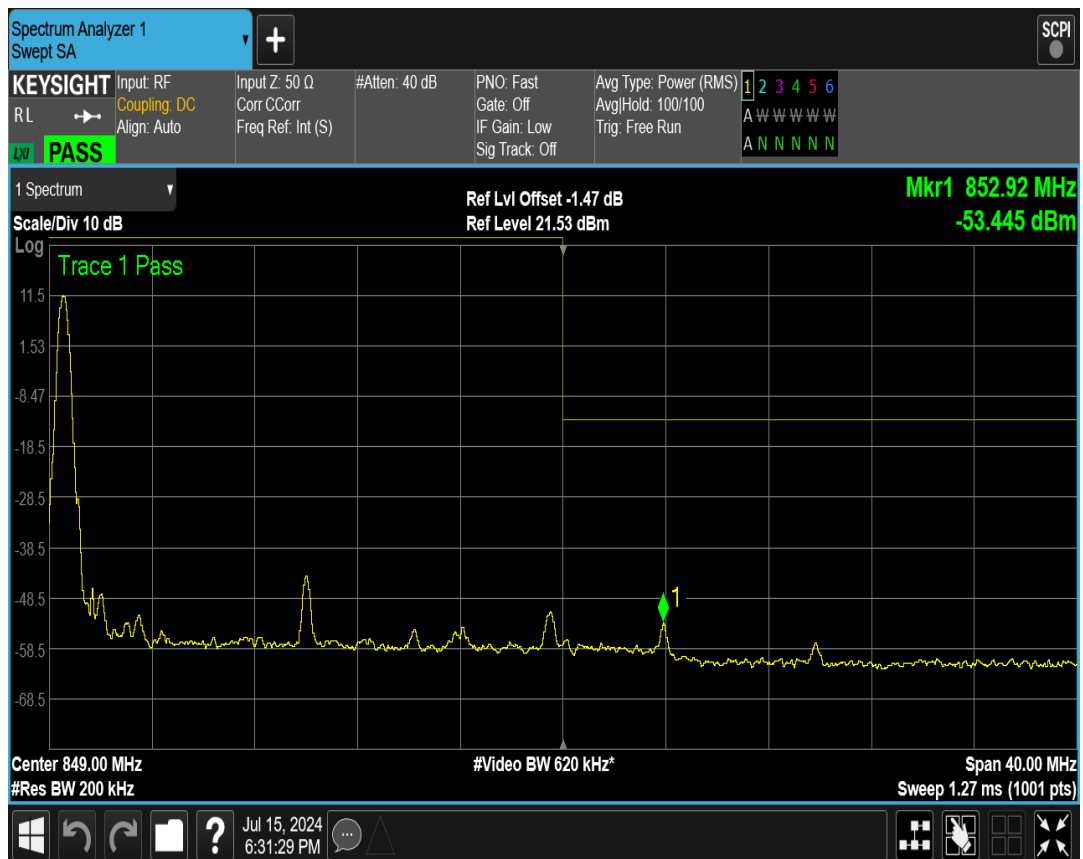
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=1@105



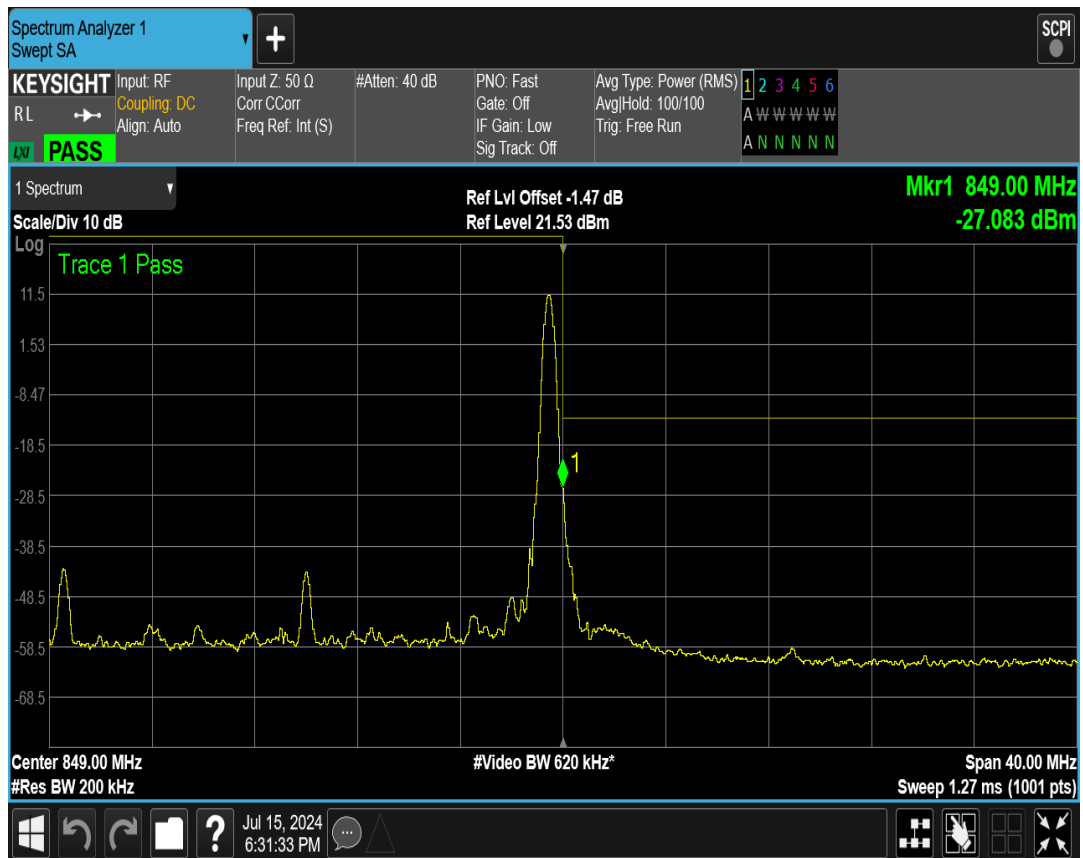
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=106@0



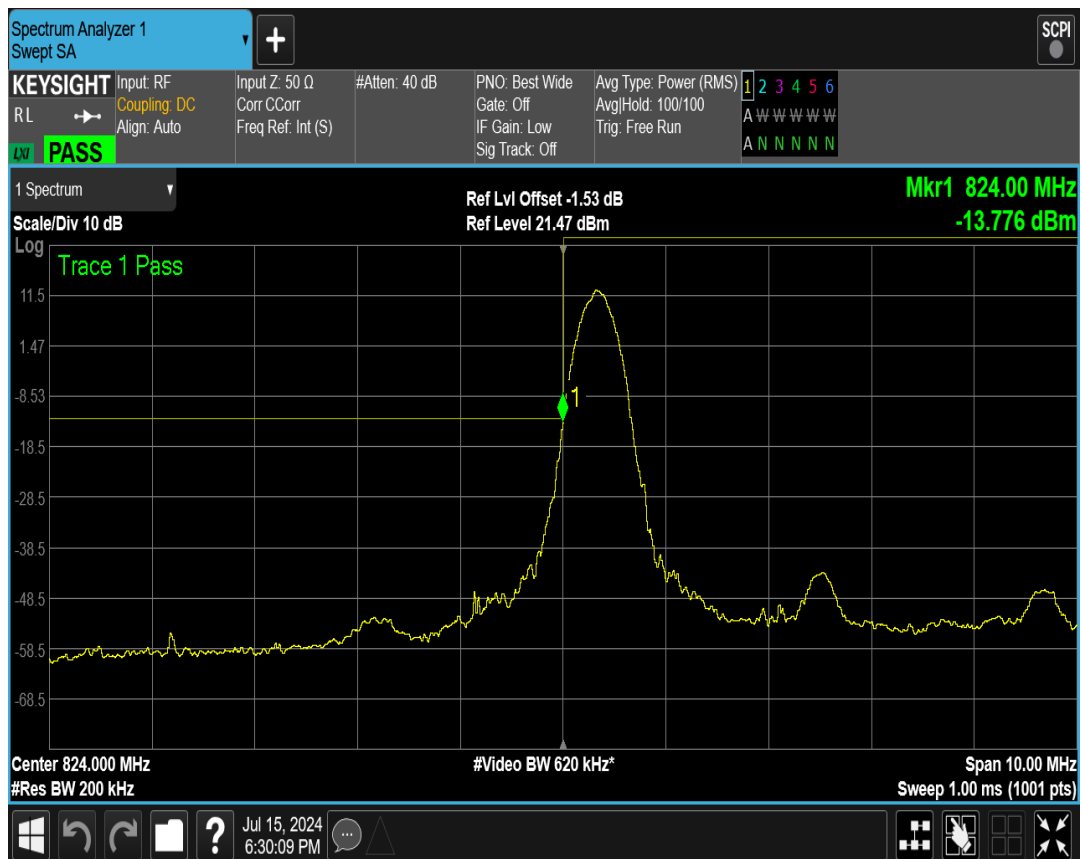
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@0



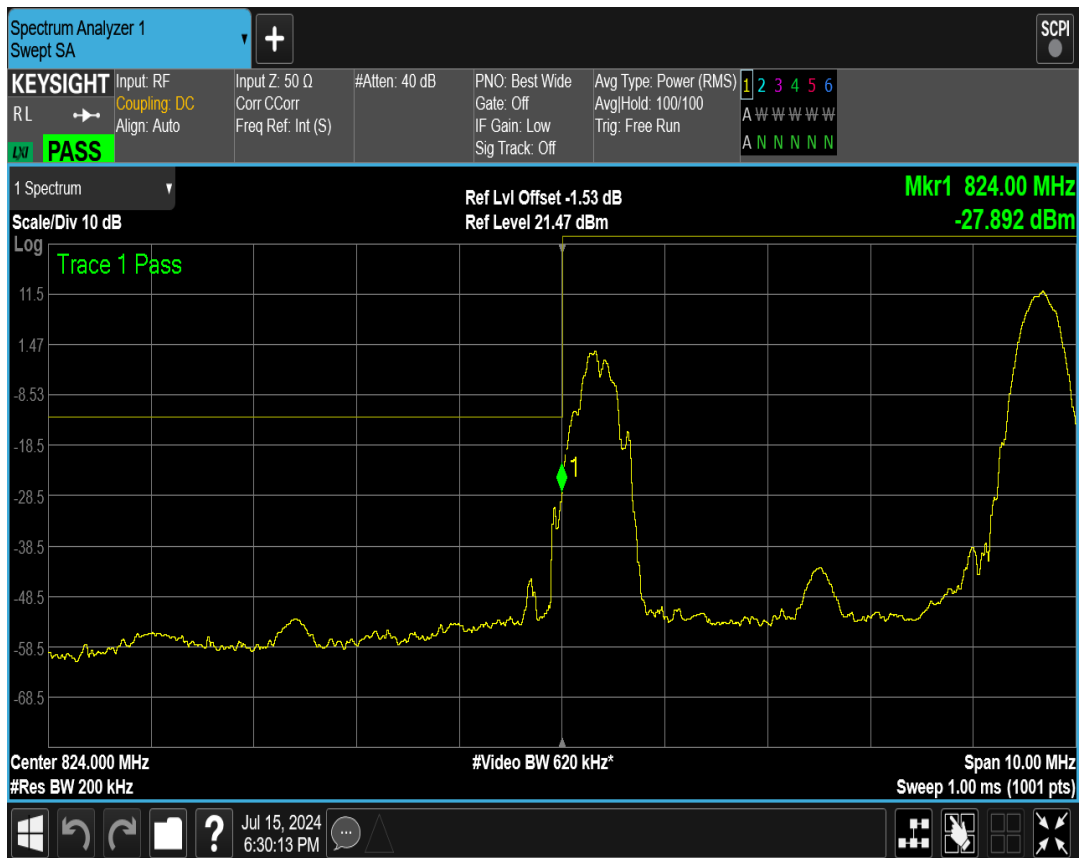
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@105



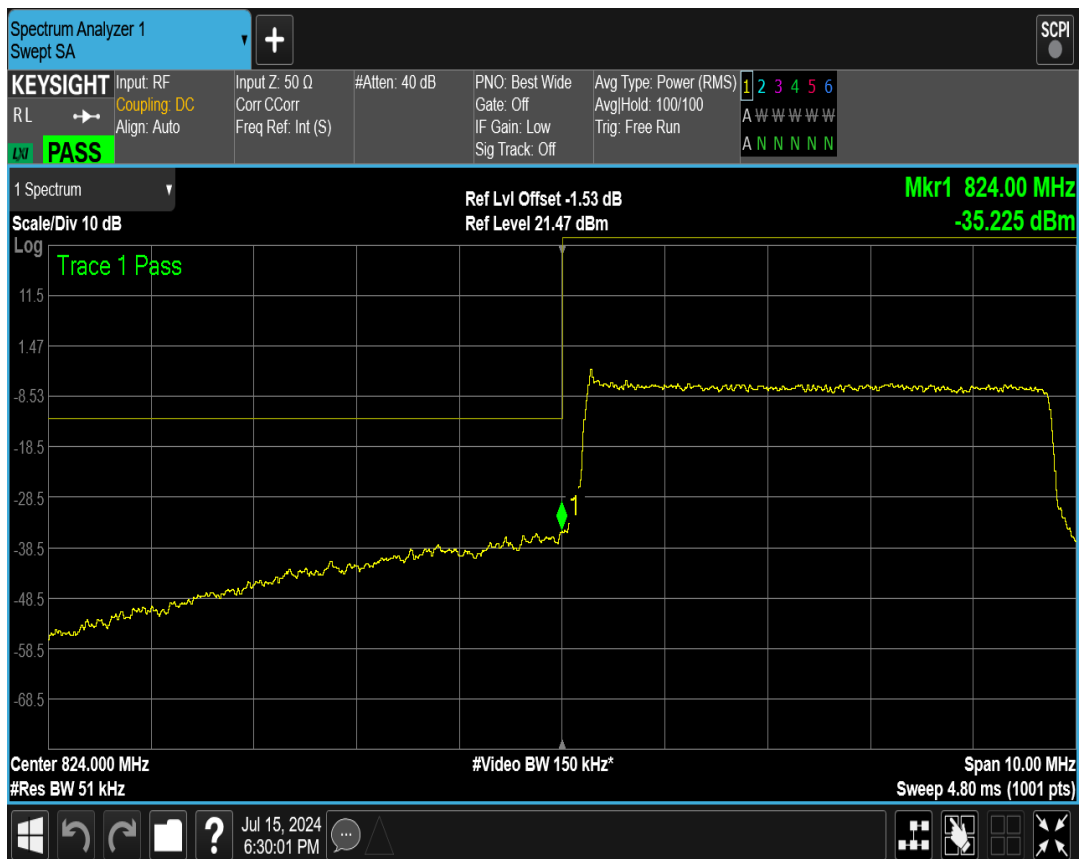
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@0



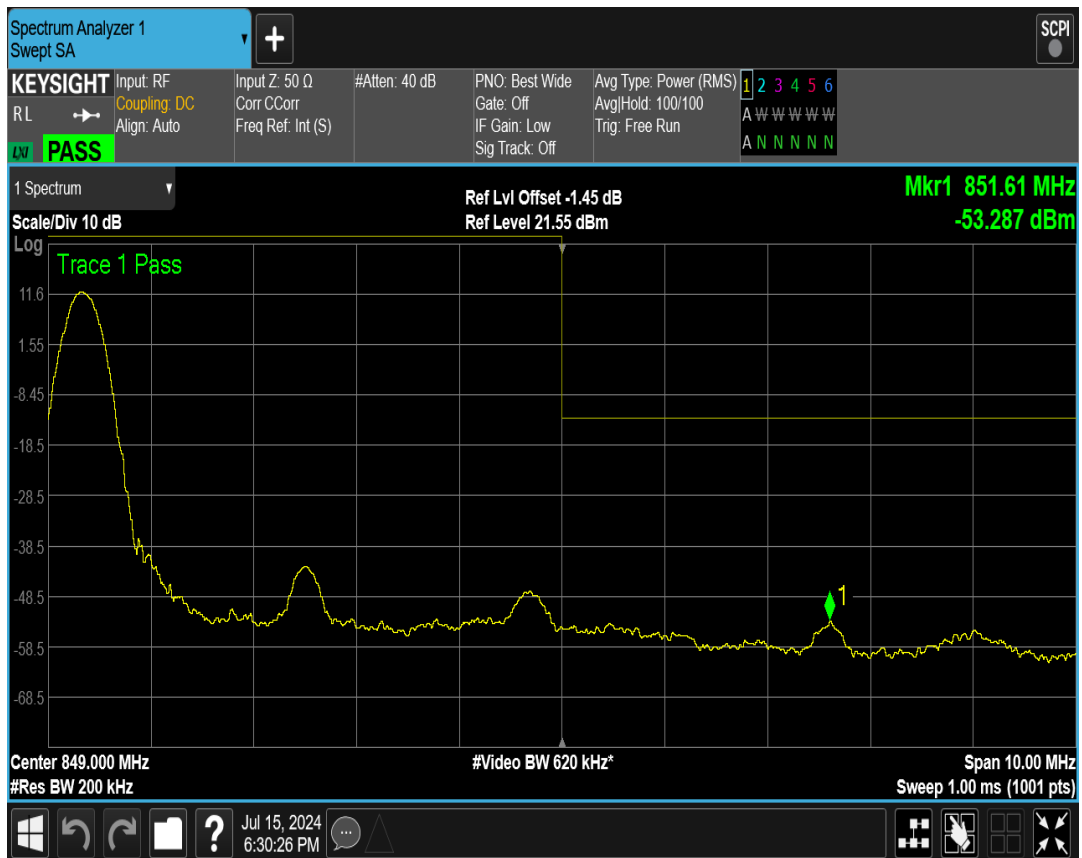
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@24



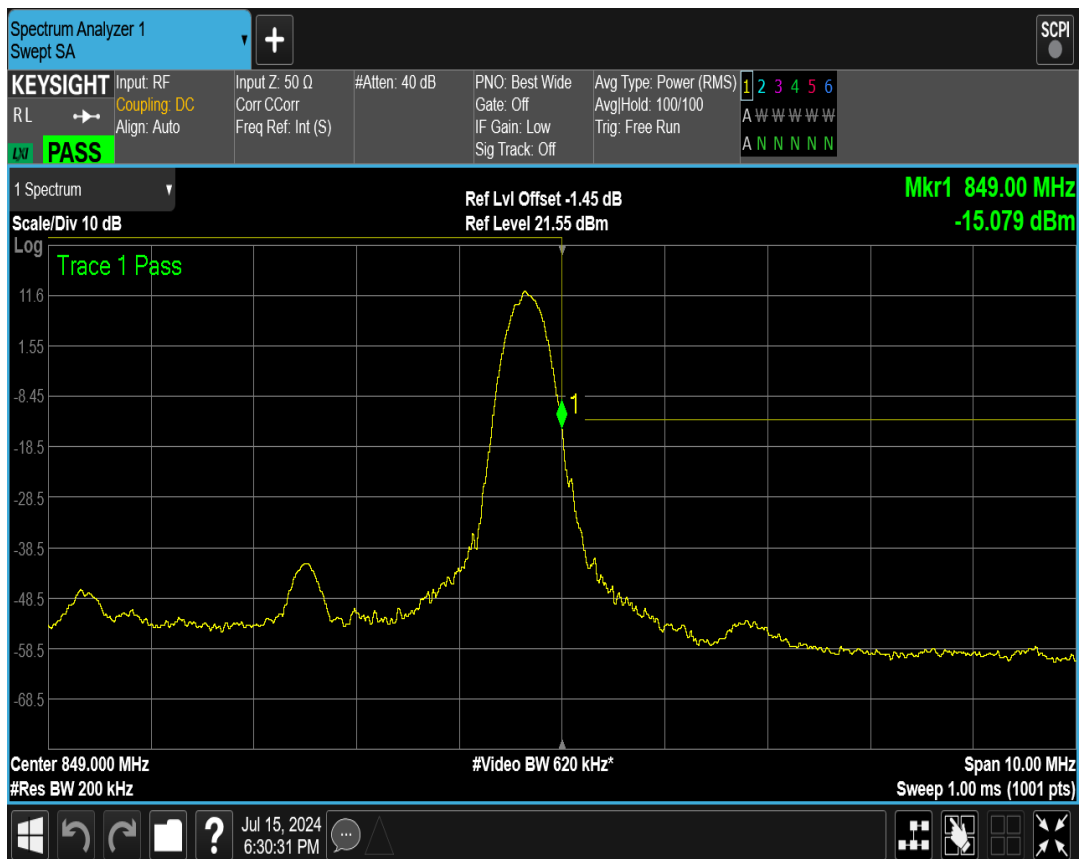
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=25@0



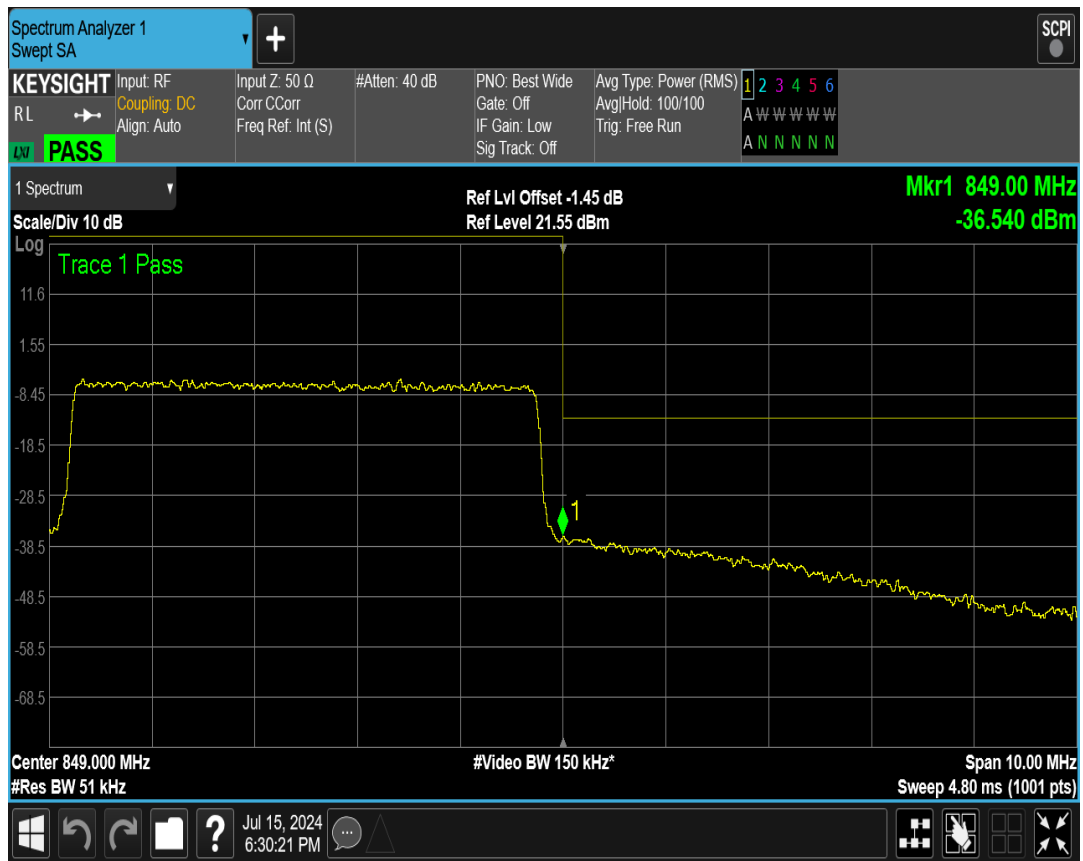
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=1@0



n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=1@24



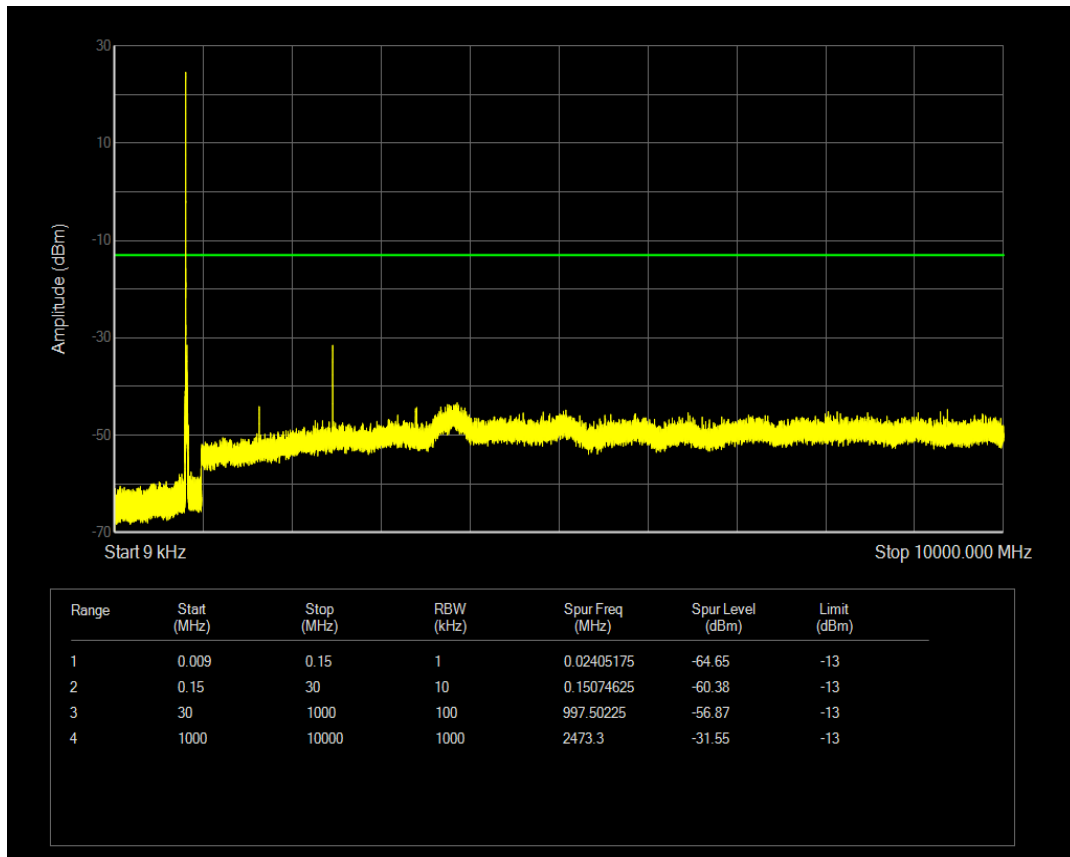
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=25@0

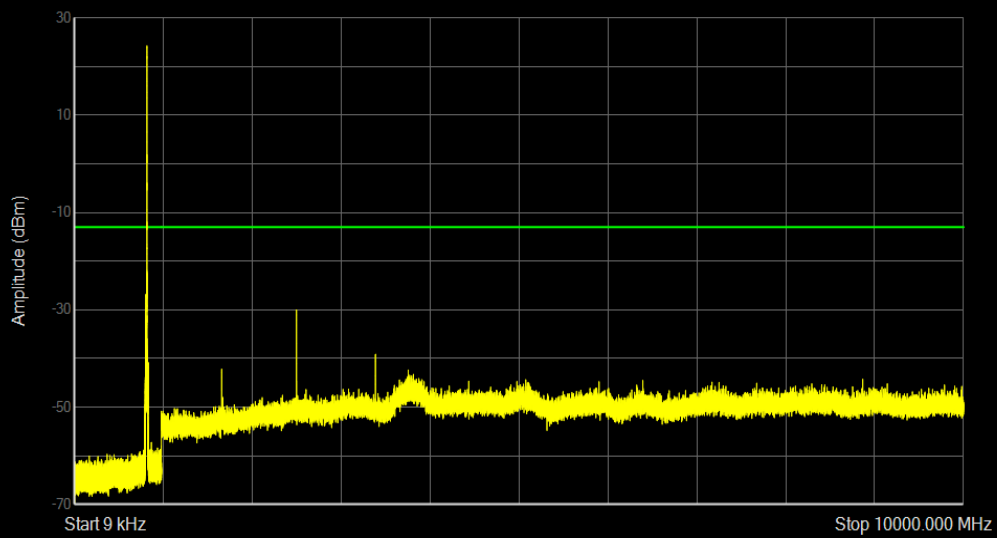


6 Out-of-band emissions for NR FR1

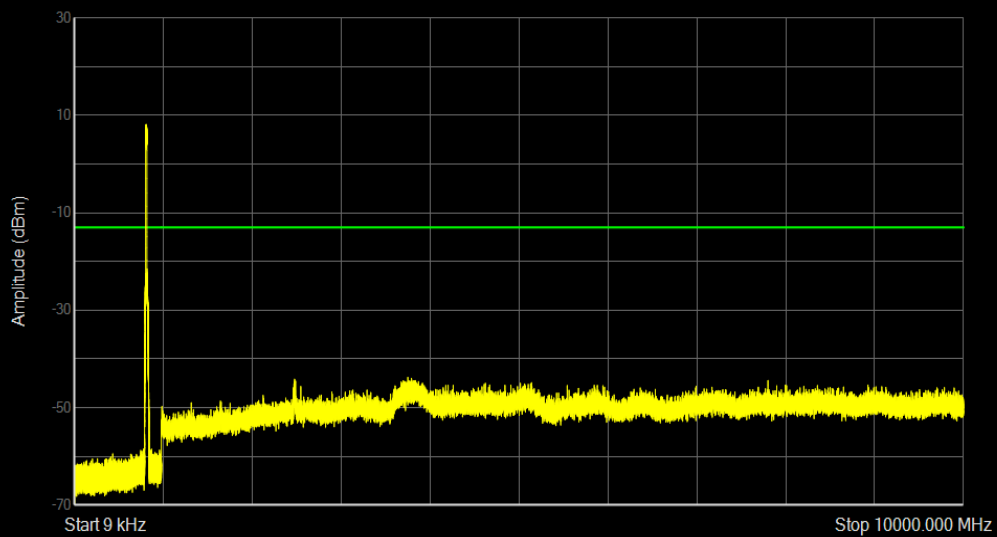
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	15	5	165300	25@0	CP_QPSK	2479.15	-40.19	-13	PASS
n5	15	5	165300	1@0	CP_QPSK	2472.85	-35.56	-13	PASS
n5	15	5	165300	1@24	CP_QPSK	2486.35	-31.98	-13	PASS
n5	15	5	169300	25@0	CP_QPSK	2539.90	-39.28	-13	PASS
n5	15	5	169300	1@0	CP_QPSK	2533.15	-35.51	-13	PASS
n5	15	5	169300	1@24	CP_QPSK	2546.20	-34.27	-13	PASS
n5	15	15	166300	79@0	CP_QPSK	3765.25	-43.77	-13	PASS
n5	15	15	166300	1@0	CP_QPSK	2473.30	-31.55	-13	PASS
n5	15	15	166300	1@78	CP_QPSK	2515.60	-30.01	-13	PASS
n5	15	15	168300	79@0	CP_QPSK	3821.50	-42.72	-13	PASS
n5	15	15	168300	1@0	CP_QPSK	2503.45	-33.68	-13	PASS
n5	15	15	168300	1@78	CP_QPSK	2545.53	-36.18	-13	PASS
n5	15	20	166800	106@0	CP_QPSK	2496.48	-43.95	-13	PASS
n5	15	20	166800	1@0	CP_QPSK	2473.98	-33.38	-13	PASS
n5	15	20	166800	1@105	CP_QPSK	2530.23	-35.04	-13	PASS
n5	15	20	167800	106@0	CP_QPSK	3912.63	-42.82	-13	PASS
n5	15	20	167800	1@0	CP_QPSK	2488.83	-32.02	-13	PASS
n5	15	20	167800	1@105	CP_QPSK	2545.30	-38.73	-13	PASS

n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@0

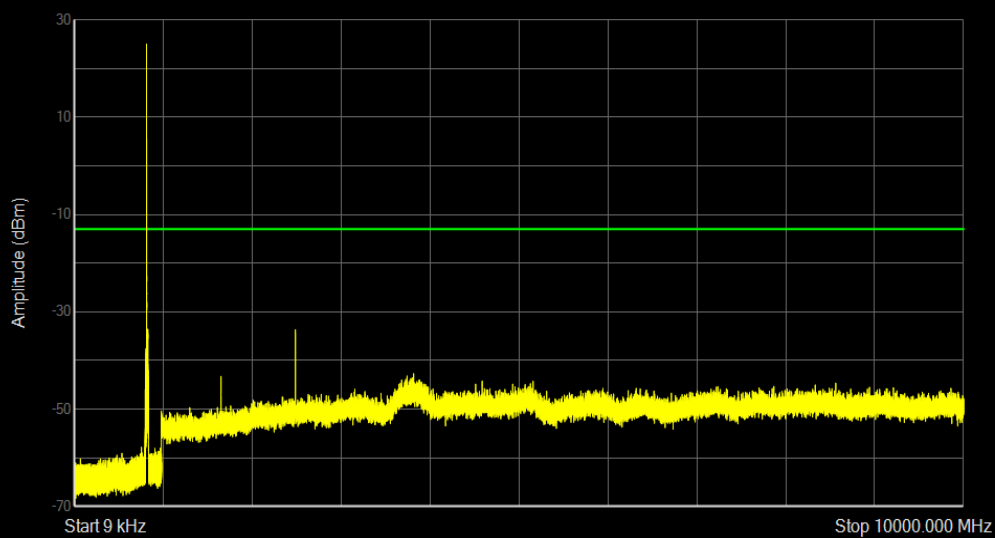


n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@78

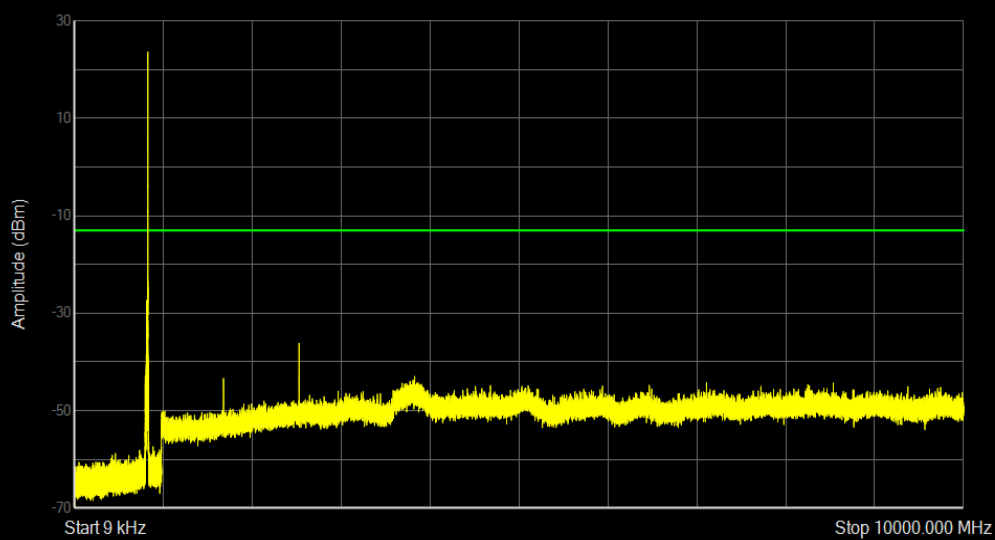
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0371154	-64.7	-13
2	0.15	30	10	0.15970125	-59.34	-13
3	30	1000	100	998.4965	-57.97	-13
4	1000	10000	1000	2515.6	-30.01	-13

n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=79@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063690375	-67.6	-13
2	0.15	30	10	0.16716375	-62.02	-13
3	30	1000	100	979.70275	-58.72	-13
4	1000	10000	1000	3765.25	-43.77	-13

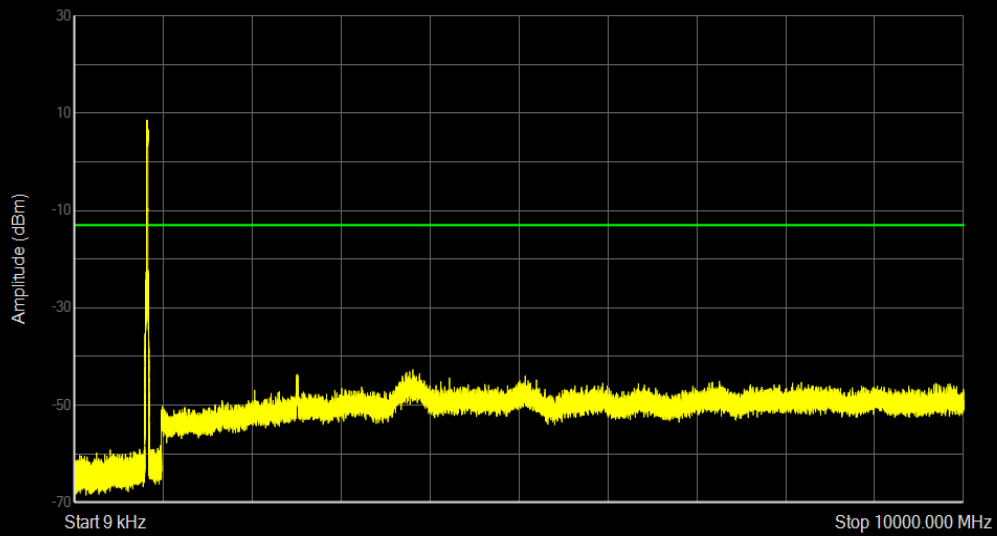
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0299667	-64.5	-13
2	0.15	30	10	0.15223875	-61.67	-13
3	30	1000	100	987.5355	-57.99	-13
4	1000	10000	1000	2503.45	-33.68	-13

n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@78

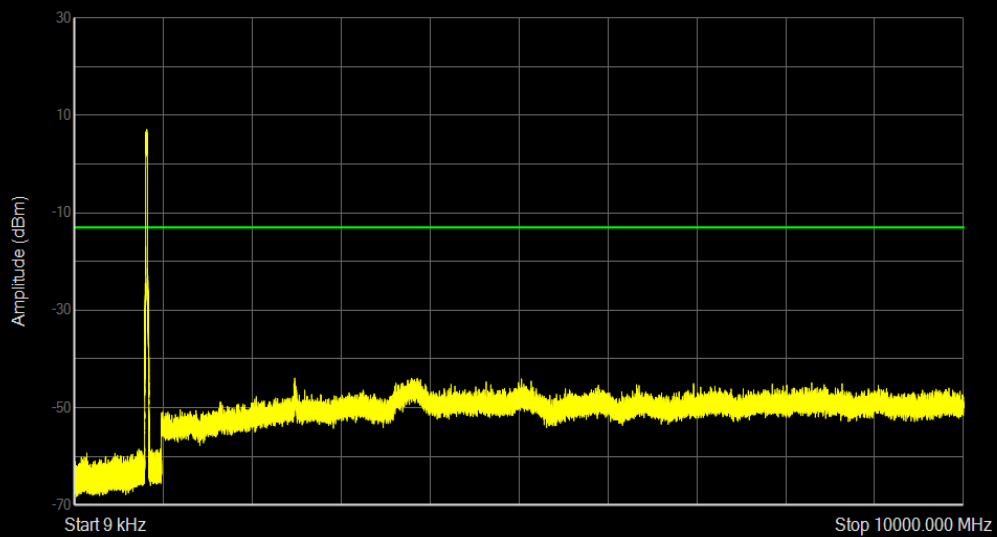
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.02825355	-64.59	-13
2	0.15	30	10	0.15	-59.28	-13
3	30	1000	100	999.9515	-57.41	-13
4	1000	10000	1000	2545.525	-36.18	-13

n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=79@0

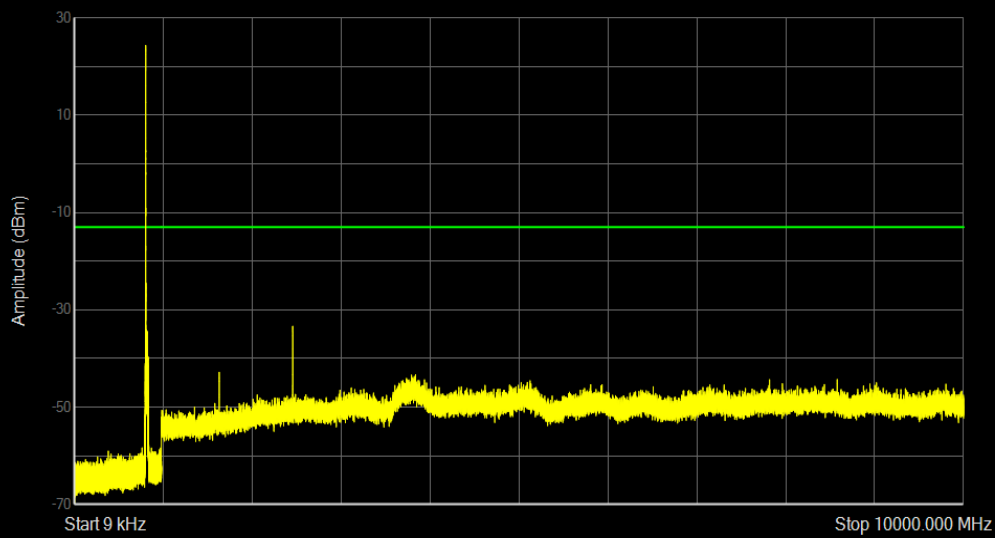


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0636798	-67.87	-13
2	0.15	30	10	0.15	-61.07	-13
3	30	1000	100	995.4895	-58.28	-13
4	1000	10000	1000	3821.5	-42.72	-13

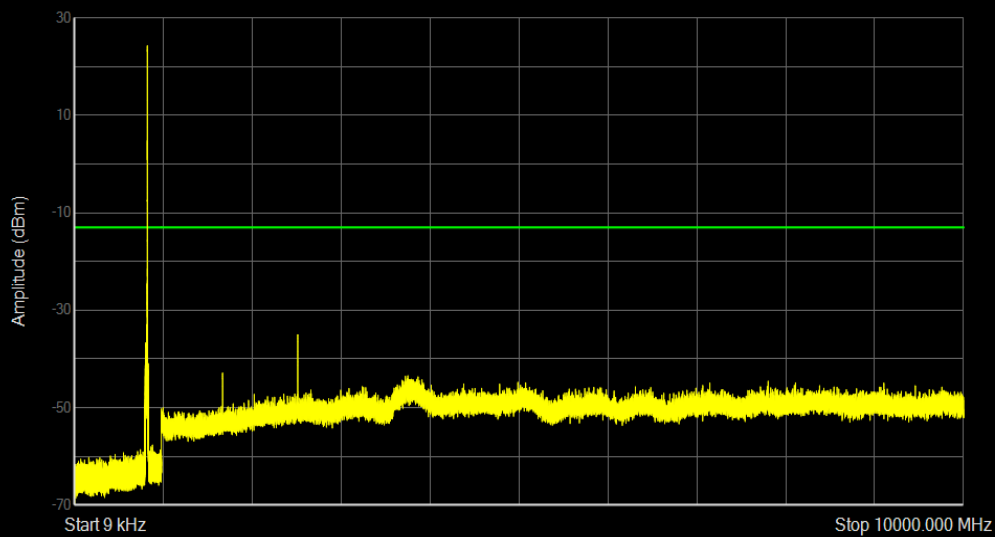
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=106@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1145808	-67.77	-13
2	0.15	30	10	0.15373125	-60.52	-13
3	30	1000	100	990.80925	-58.46	-13
4	1000	10000	1000	2496.475	-43.95	-13

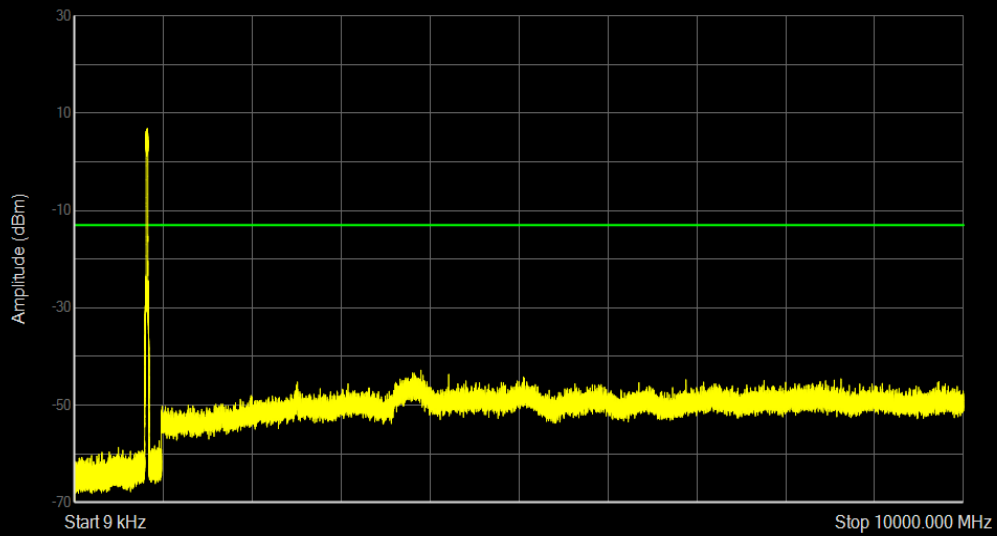
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06343305	-64.49	-13
2	0.15	30	10	0.15223875	-60.6	-13
3	30	1000	100	992.11875	-58.39	-13
4	1000	10000	1000	2473.975	-33.38	-13

n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=1@105

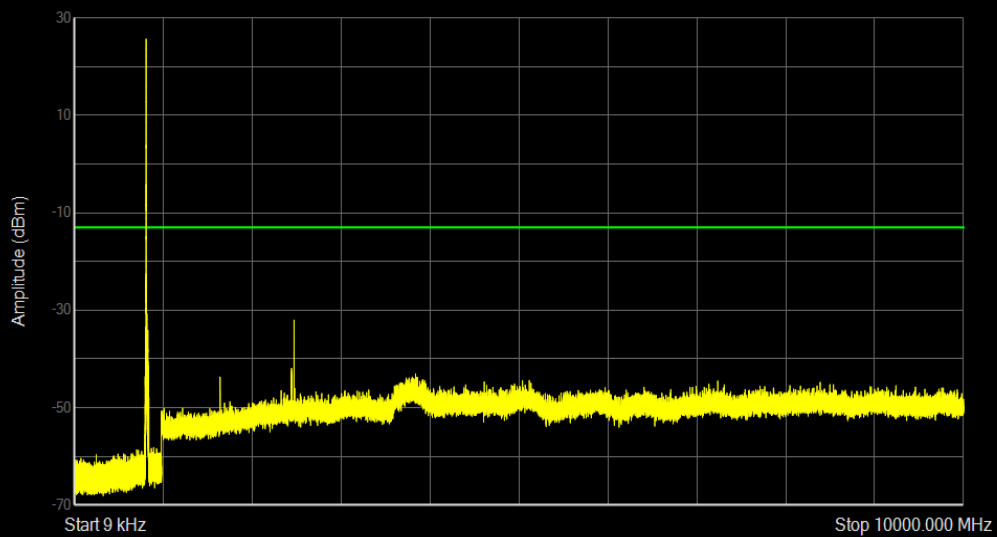
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.057902325	-63.3	-13
2	0.15	30	10	0.16194	-59.8	-13
3	30	1000	100	986.0805	-58.69	-13
4	1000	10000	1000	2530.225	-35.04	-13

n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=106@0



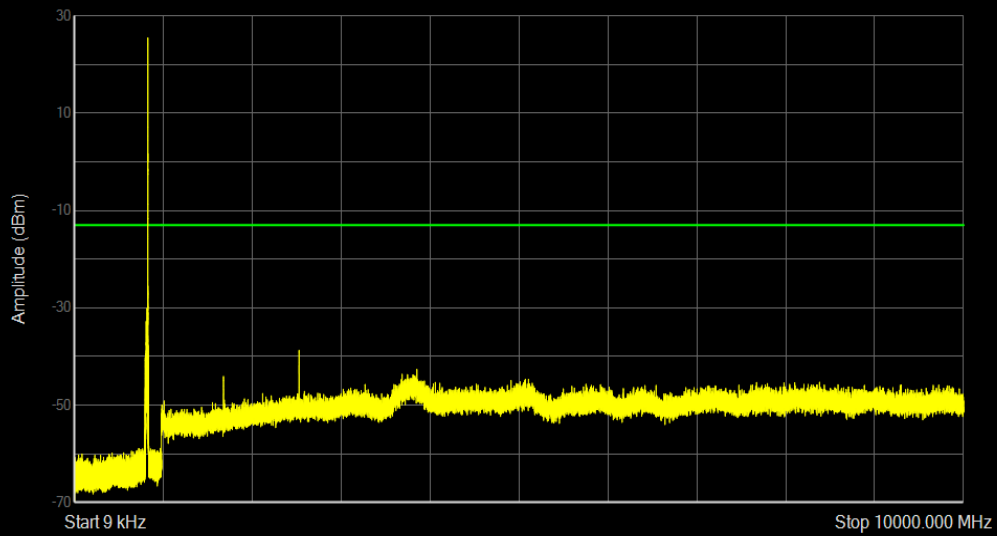
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063567	-67.98	-13
2	0.15	30	10	0.152985	-59.96	-13
3	30	1000	100	976.98675	-57.31	-13
4	1000	10000	1000	3912.625	-42.82	-13

n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@0



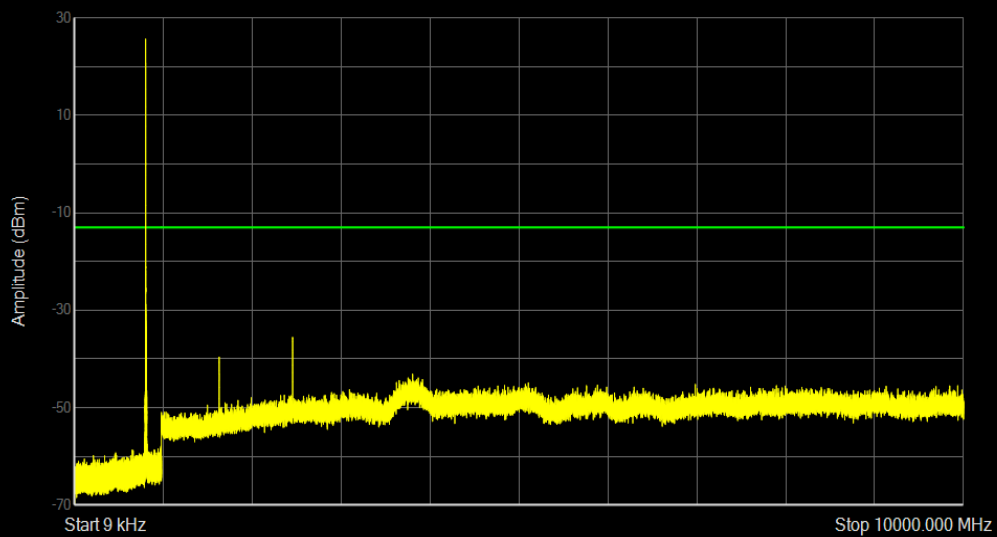
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063084075	-63.1	-13
2	0.15	30	10	0.15	-61.26	-13
3	30	1000	100	946.456	-58.43	-13
4	1000	10000	1000	2488.825	-32.02	-13

n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@105

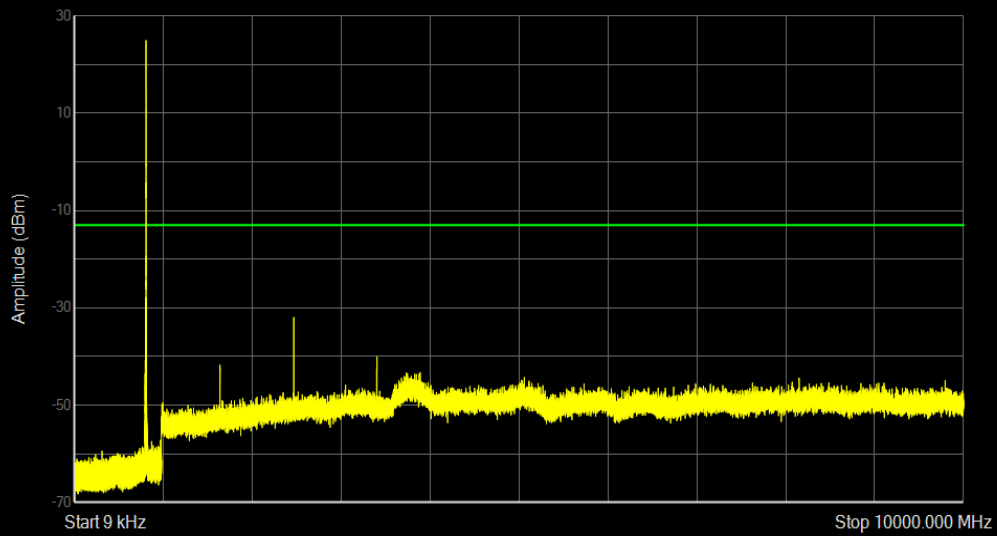


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.032092275	-64.48	-13
2	0.15	30	10	0.15373125	-60.12	-13
3	30	1000	100	986.25025	-58.88	-13
4	1000	10000	1000	2545.3	-38.73	-13

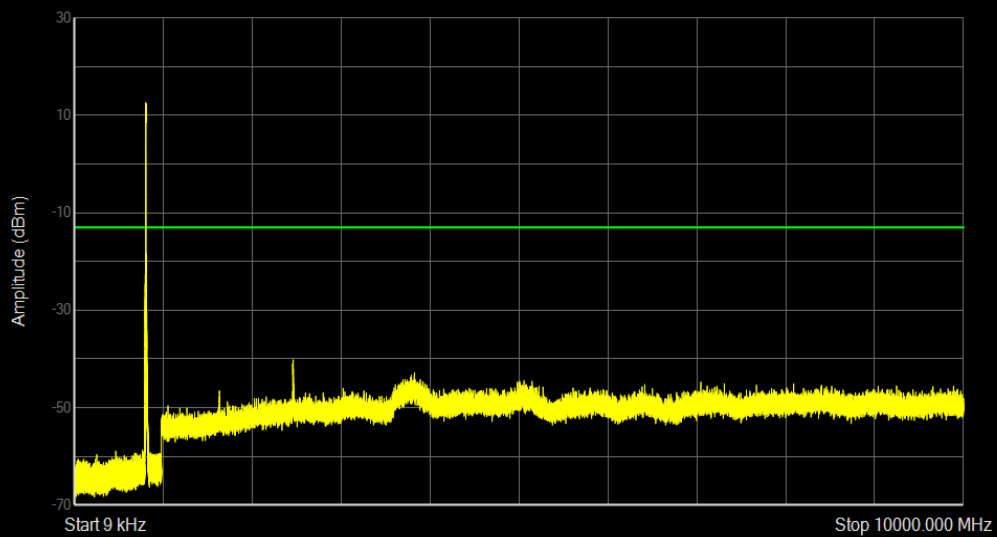
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@0



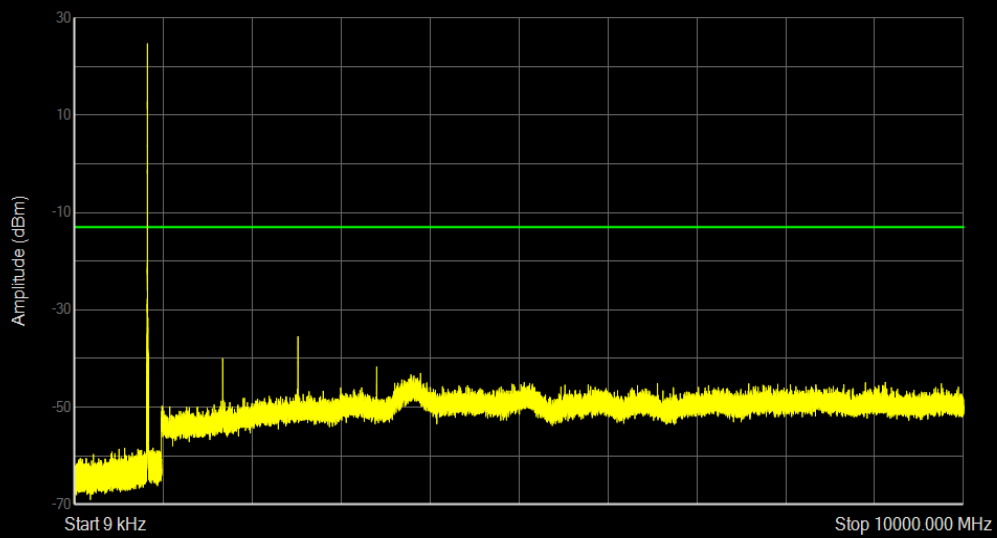
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06361635	-65.08	-13
2	0.15	30	10	0.164925	-60.71	-13
3	30	1000	100	995.75625	-57.88	-13
4	1000	10000	1000	2472.85	-35.56	-13

n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@24

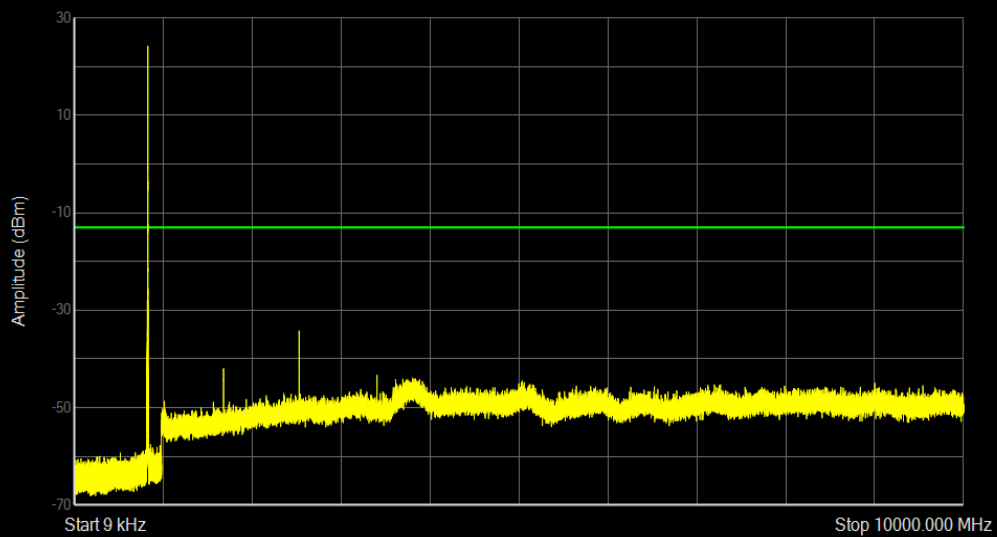
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063295575	-64.32	-13
2	0.15	30	10	0.15074625	-61.55	-13
3	30	1000	100	990.6395	-57.19	-13
4	1000	10000	1000	2486.35	-31.98	-13

n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063690375	-66.46	-13
2	0.15	30	10	0.15	-60.66	-13
3	30	1000	100	787.64275	-58.78	-13
4	1000	10000	1000	2479.15	-40.19	-13

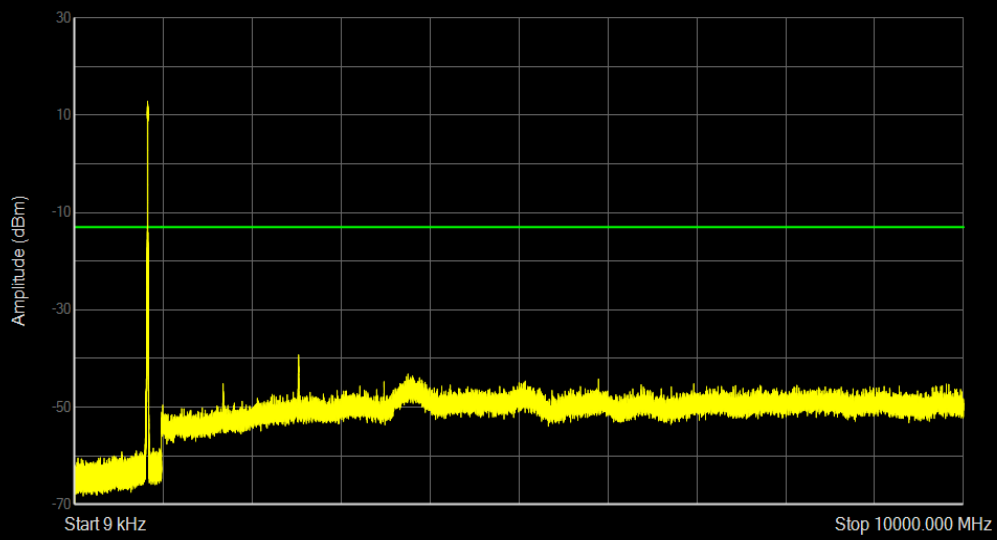
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06327795	-64.36	-13
2	0.15	30	10	0.16865625	-59.55	-13
3	30	1000	100	907.9955	-58.41	-13
4	1000	10000	1000	2533.15	-35.51	-13

n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.061441425	-64.51	-13
2	0.15	30	10	0.15522375	-59.81	-13
3	30	1000	100	878.96825	-57.6	-13
4	1000	10000	1000	2546.2	-34.27	-13

n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=25@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063753825	-67.67	-13
2	0.15	30	10	0.16268625	-59.66	-13
3	30	1000	100	910.5175	-58.47	-13
4	1000	10000	1000	2539.9	-39.28	-13