



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



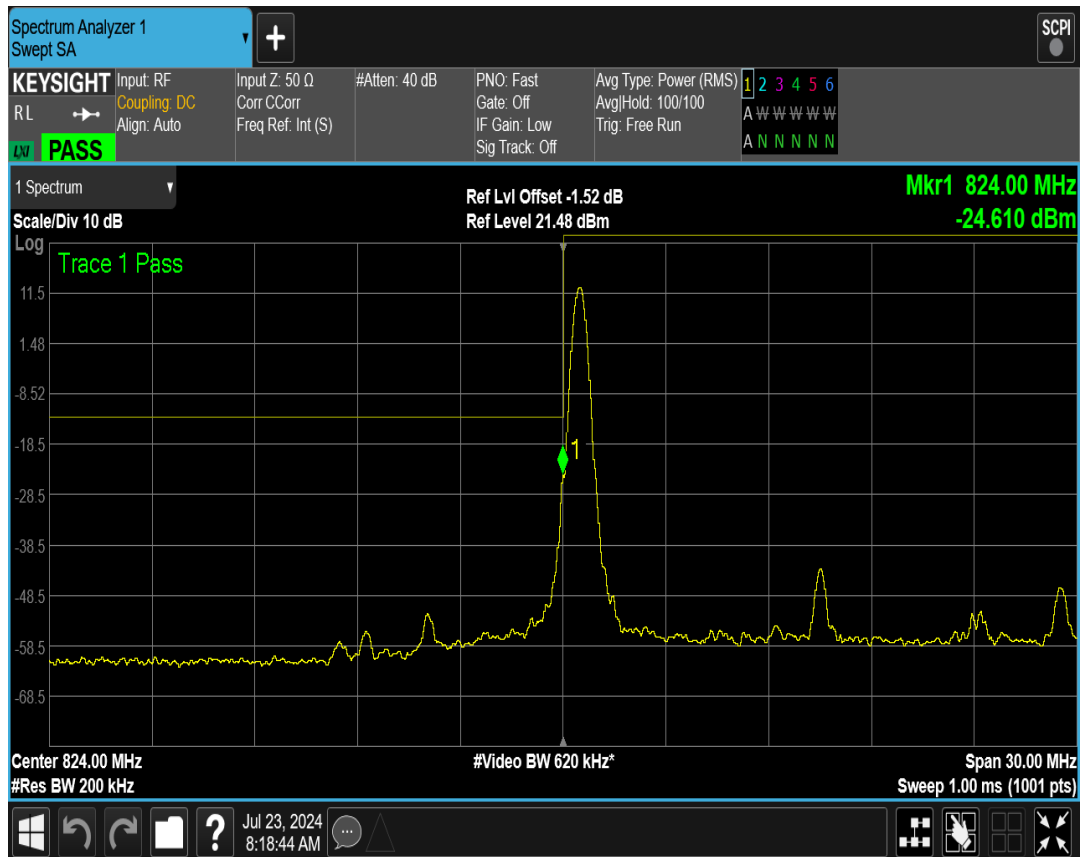
n5 SCS=15kHz DFT_QPSK BW=5MHz Channel=167300 RB=25@0



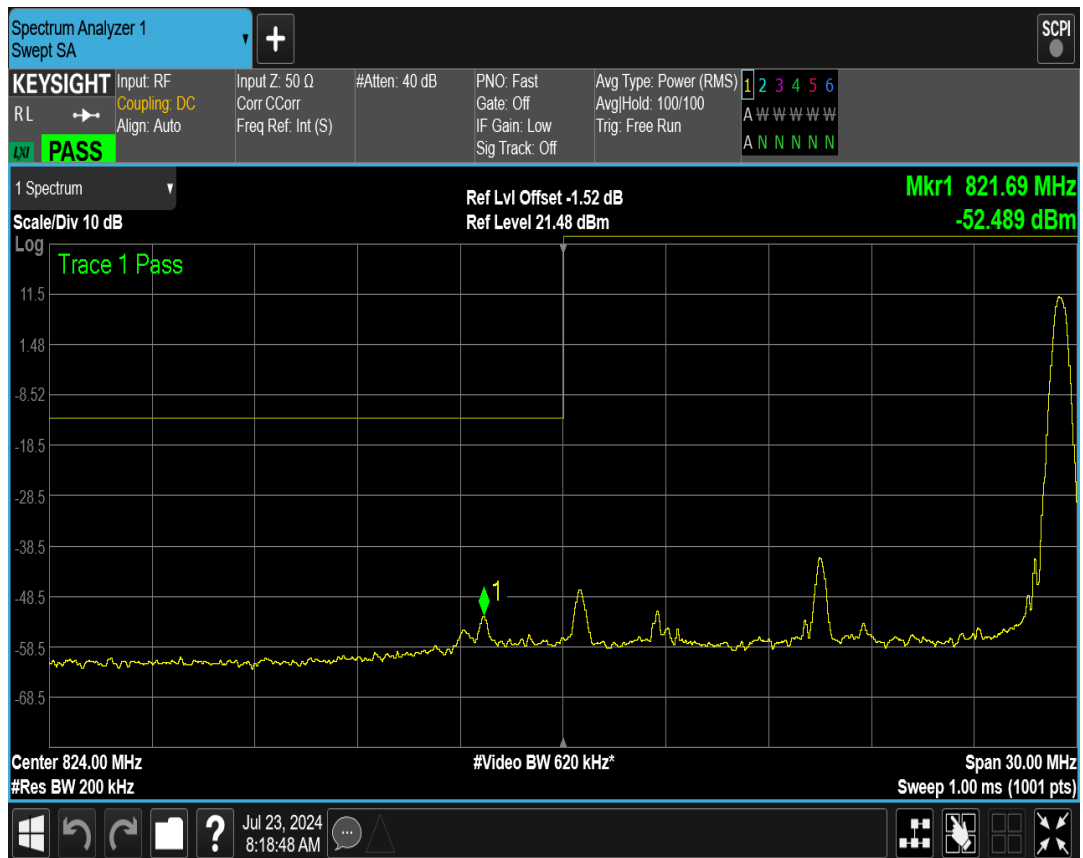
5 Band edge for NR FR1

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	823.98	-35.52	-13	PASS
n5	15	5	165300	1@0	CP_QPSK	824.00	-13.46	-13	PASS
n5	15	5	165300	1@24	CP_QPSK	824.00	-26.29	-13	PASS
n5	15	5	169300	25@0	CP_QPSK	849.00	-37.83	-13	PASS
n5	15	5	169300	1@0	CP_QPSK	851.59	-53.09	-13	PASS
n5	15	5	169300	1@24	CP_QPSK	849.00	-15.13	-13	PASS
n5	15	15	166300	79@0	CP_QPSK	824.00	-37.08	-13	PASS
n5	15	15	166300	1@0	CP_QPSK	824.00	-24.60	-13	PASS
n5	15	15	166300	1@78	CP_QPSK	821.69	-52.48	-13	PASS
n5	15	15	168300	79@0	CP_QPSK	849.30	-37.20	-13	PASS
n5	15	15	168300	1@0	CP_QPSK	851.34	-52.35	-13	PASS
n5	15	15	168300	1@78	CP_QPSK	849.00	-23.29	-13	PASS
n5	15	20	166800	106@0	CP_QPSK	823.04	-37.52	-13	PASS
n5	15	20	166800	1@0	CP_QPSK	824.00	-32.50	-13	PASS
n5	15	20	166800	1@105	CP_QPSK	820.08	-54.31	-13	PASS
n5	15	20	167800	106@0	CP_QPSK	849.04	-36.19	-13	PASS
n5	15	20	167800	1@0	CP_QPSK	852.88	-53.26	-13	PASS
n5	15	20	167800	1@105	CP_QPSK	849.00	-27.20	-13	PASS

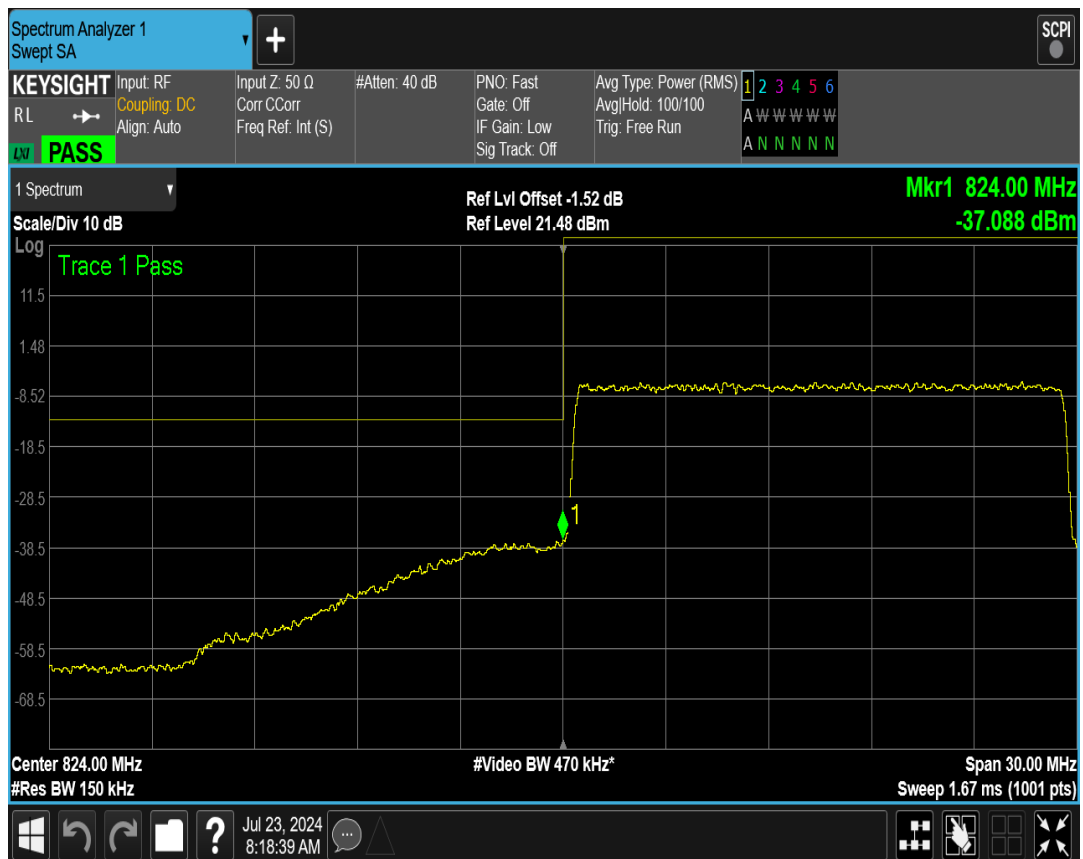
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@0



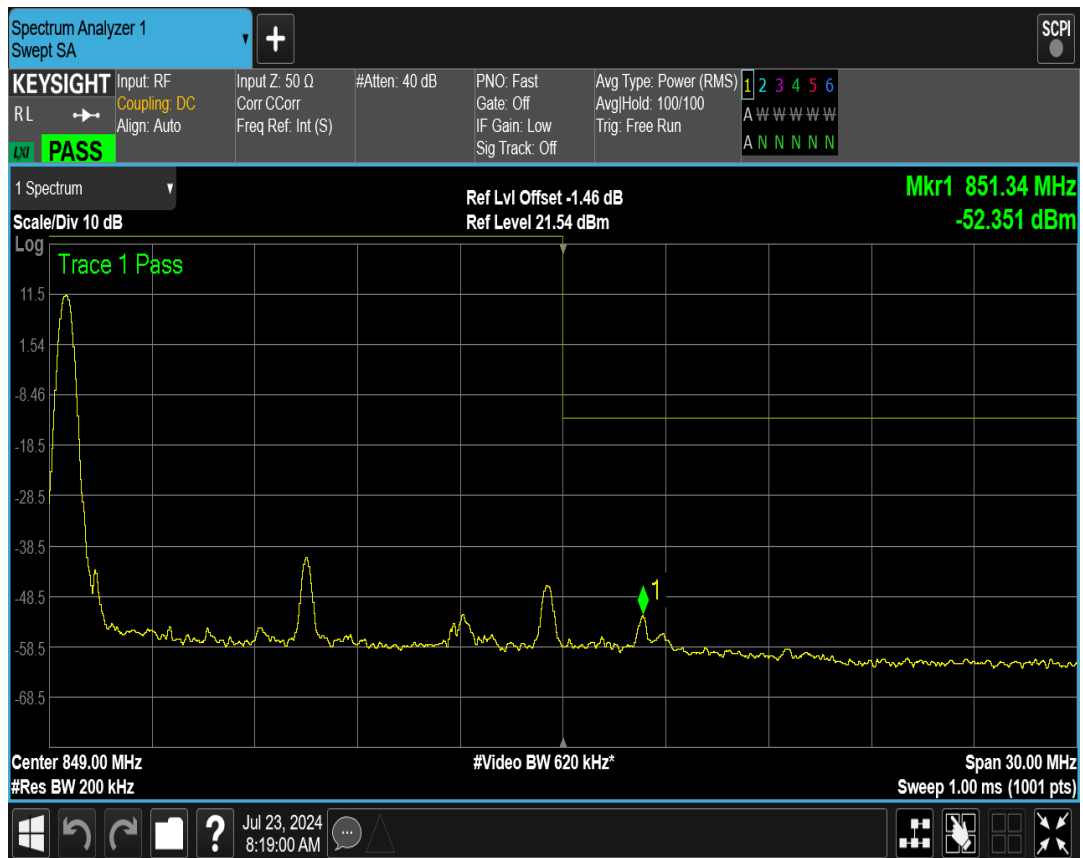
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@78



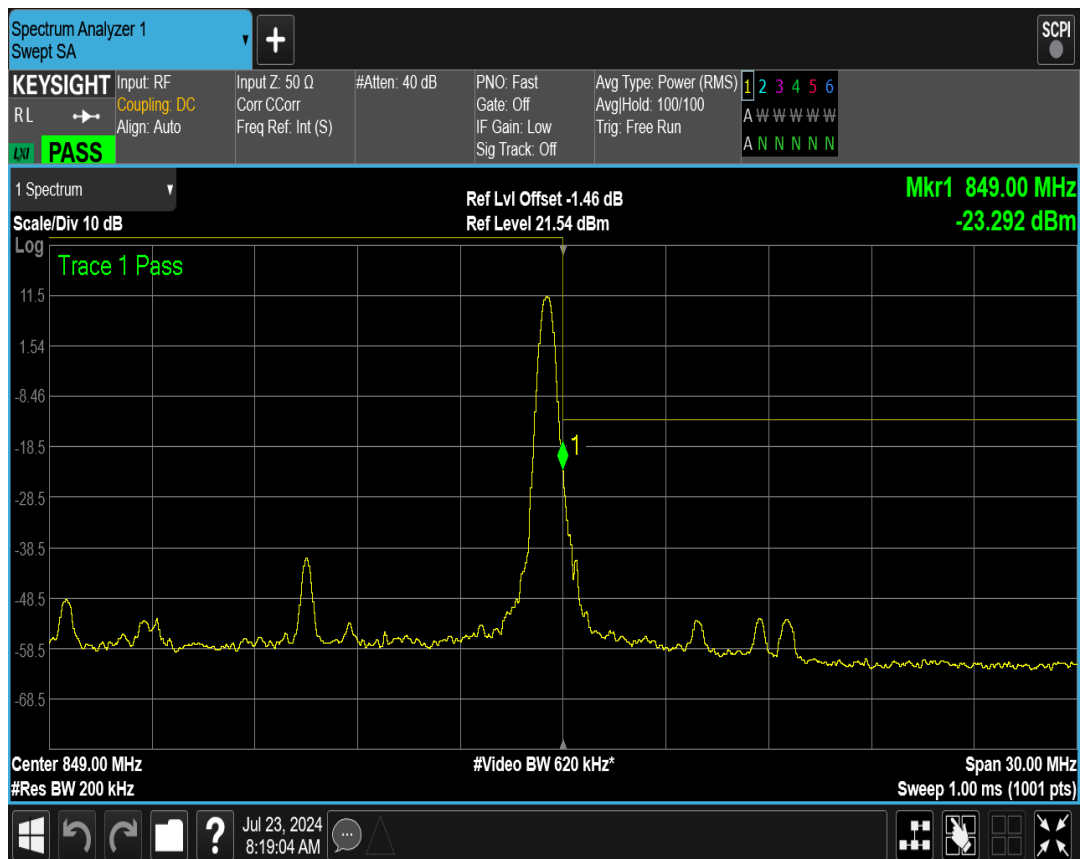
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=79@0



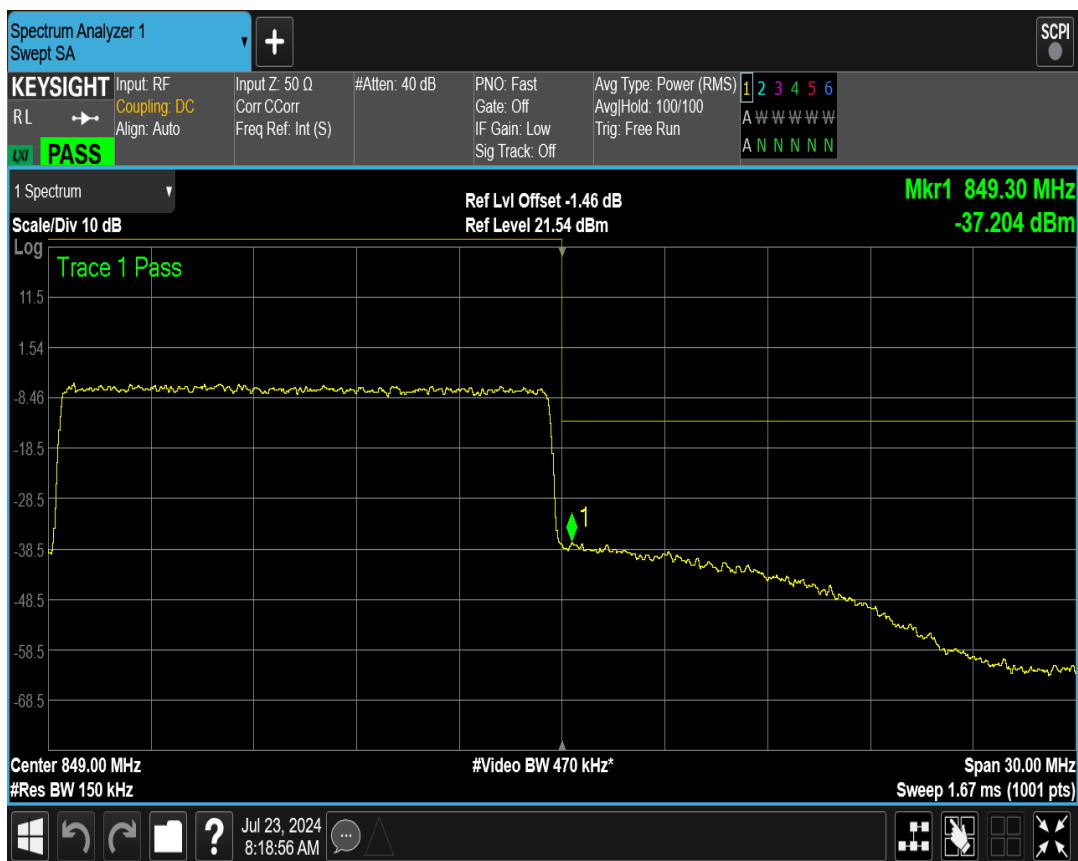
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@0



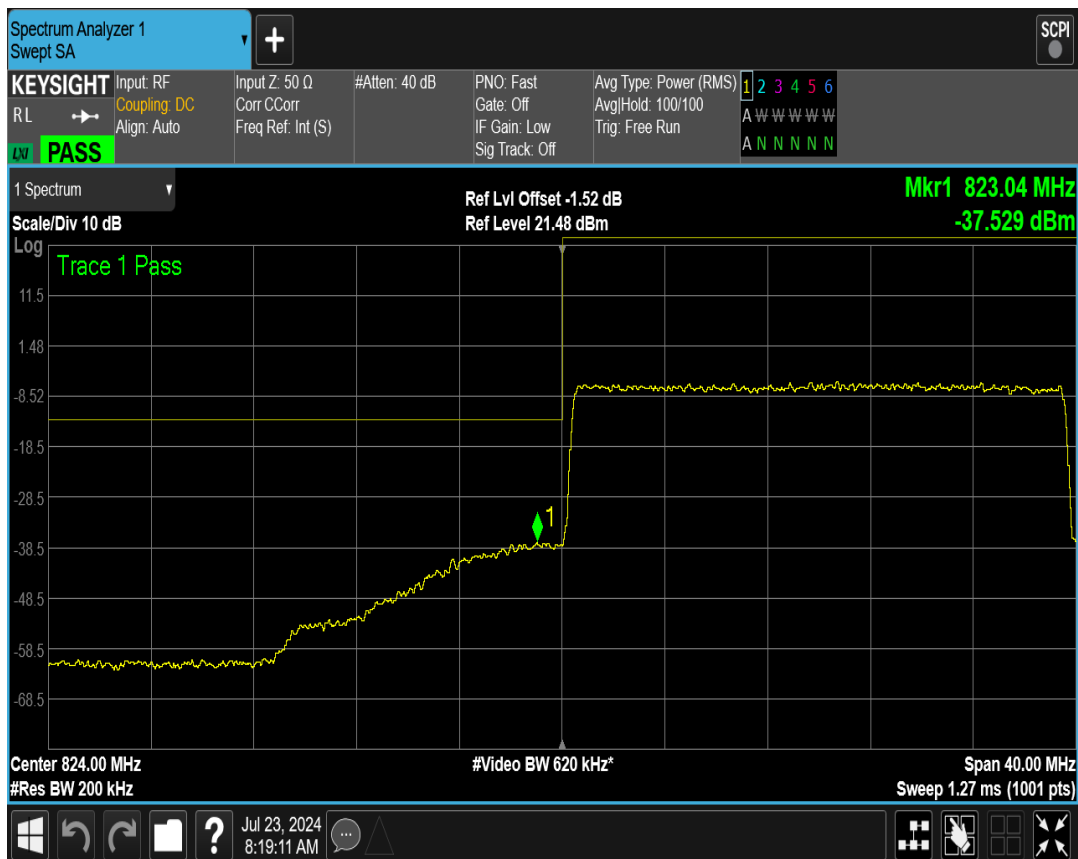
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=1@78



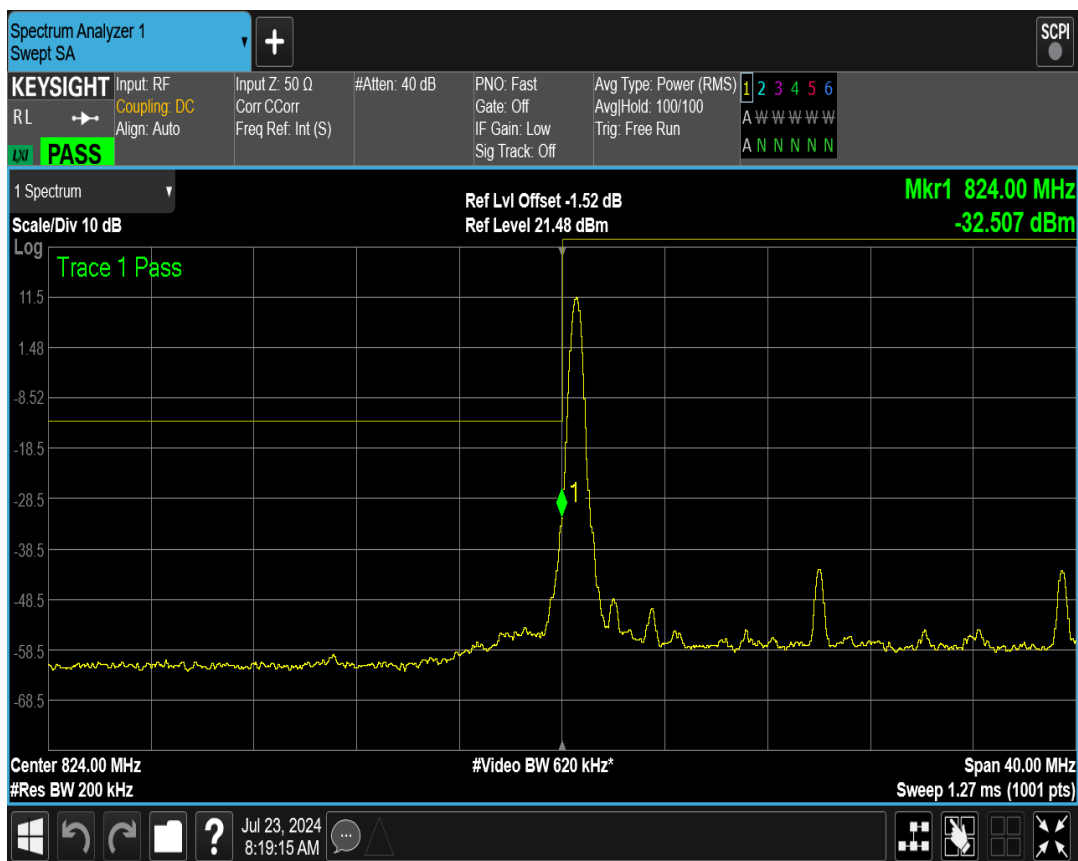
n5 SCS=15kHz CP_QPSK BW=15MHz Channel=168300 RB=79@0



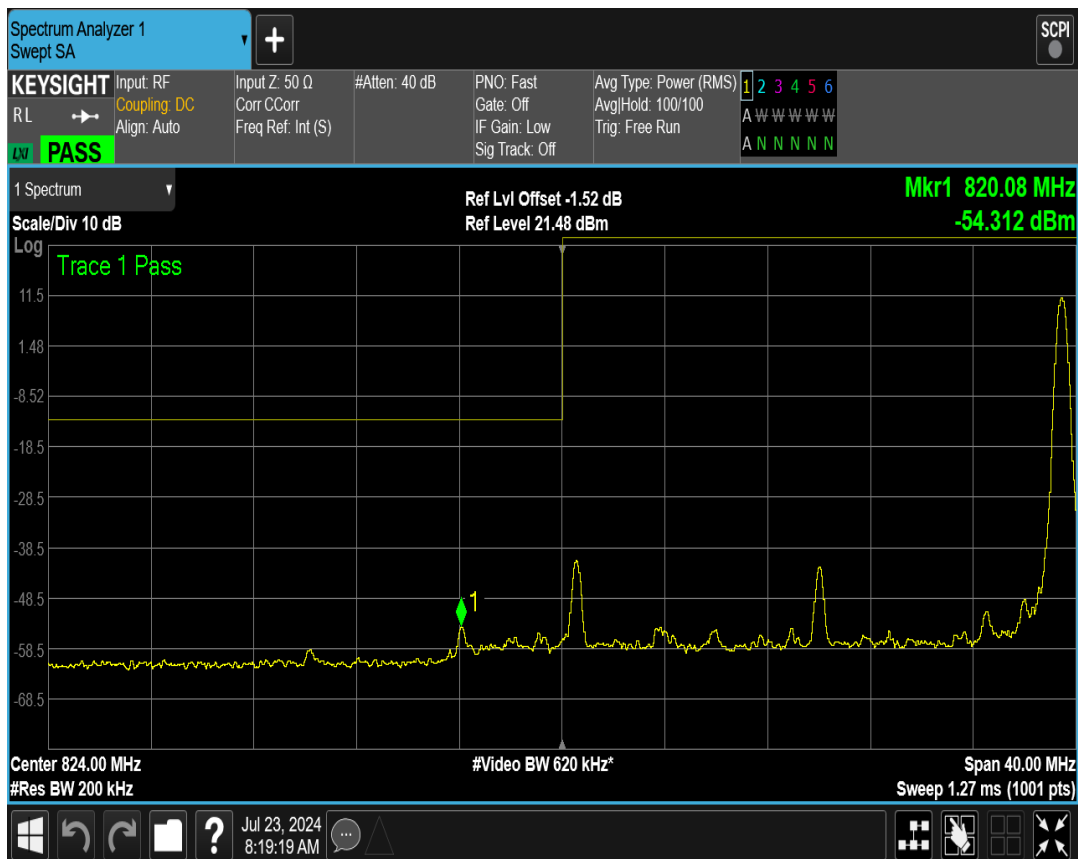
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=106@0



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



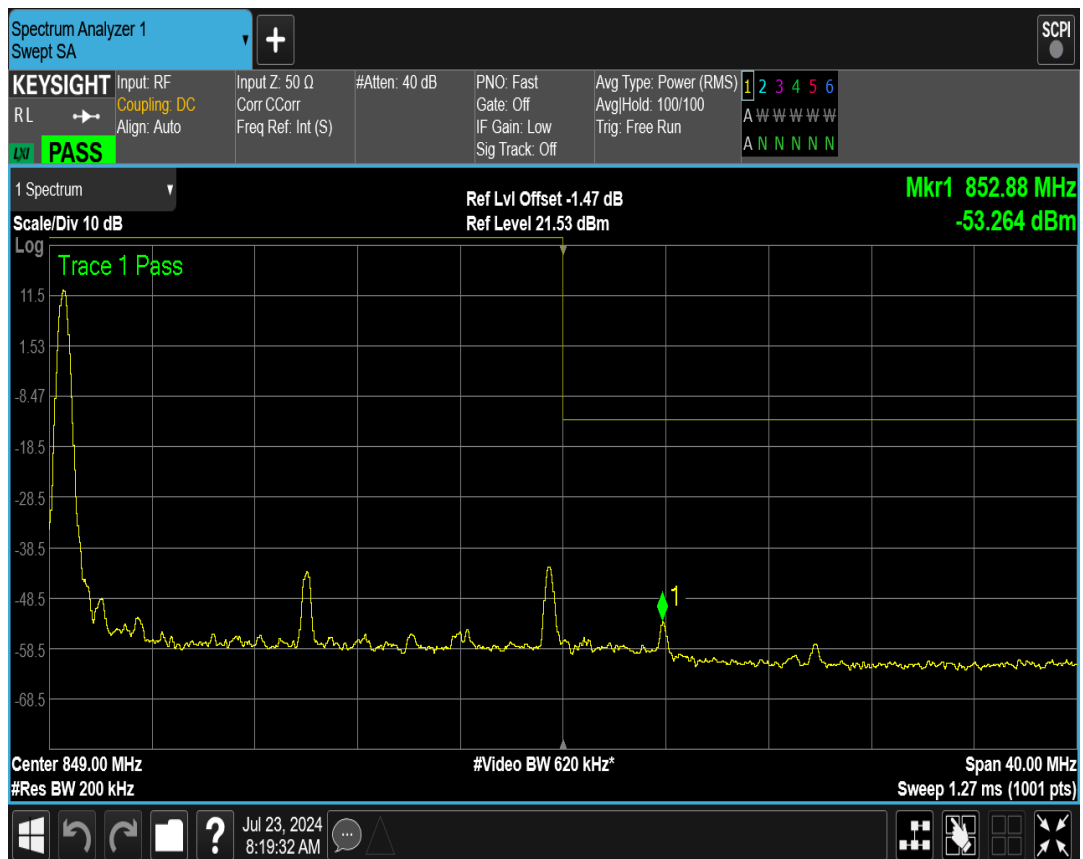
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=166800 RB=1@105



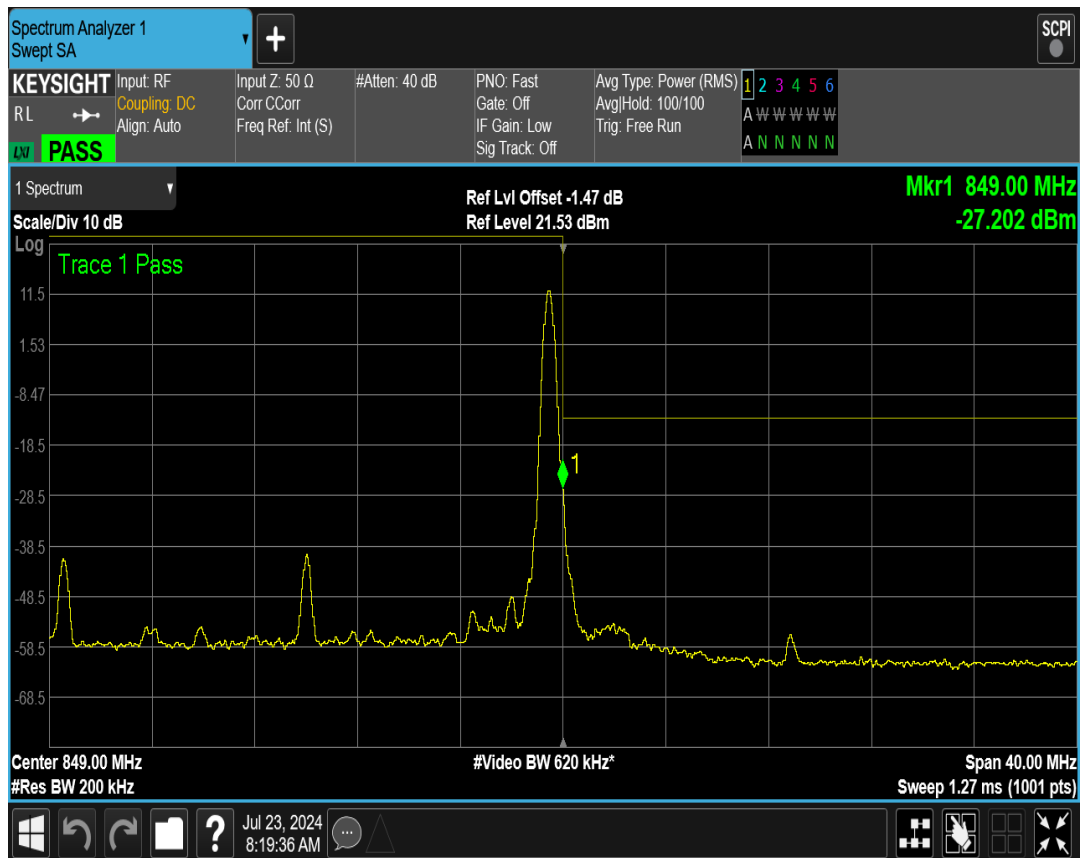
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=106@0



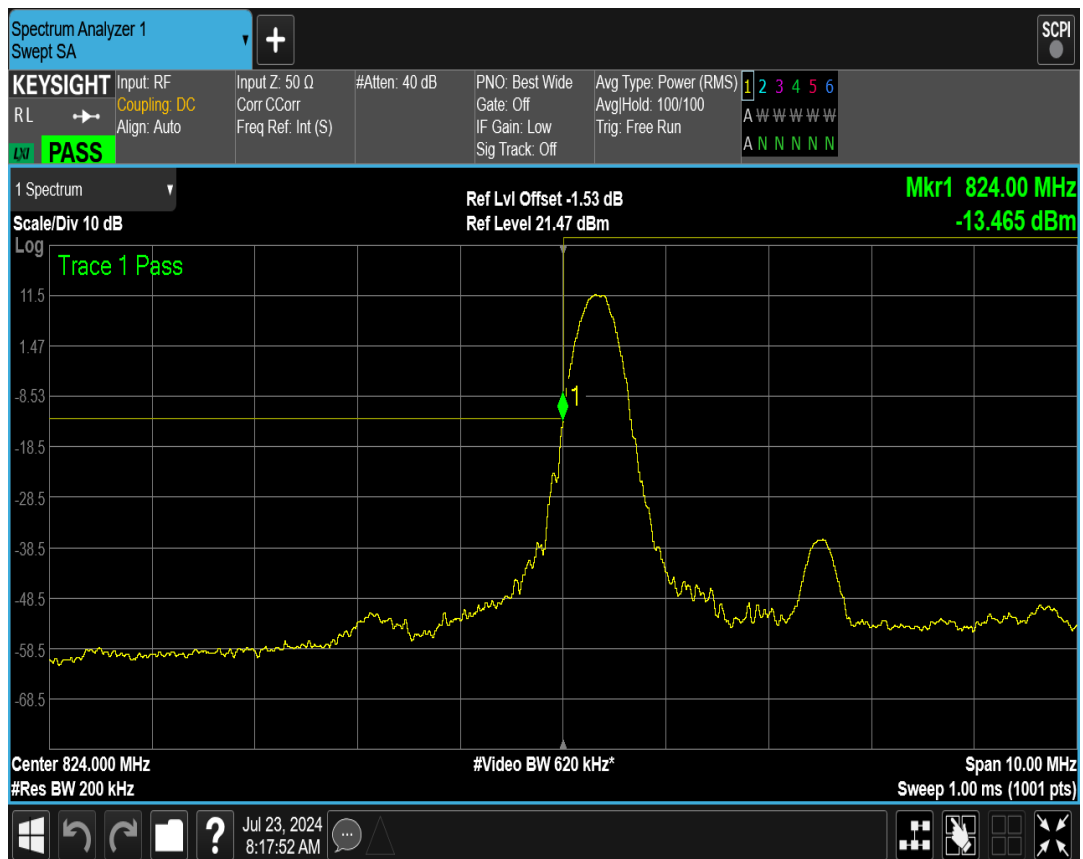
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@0



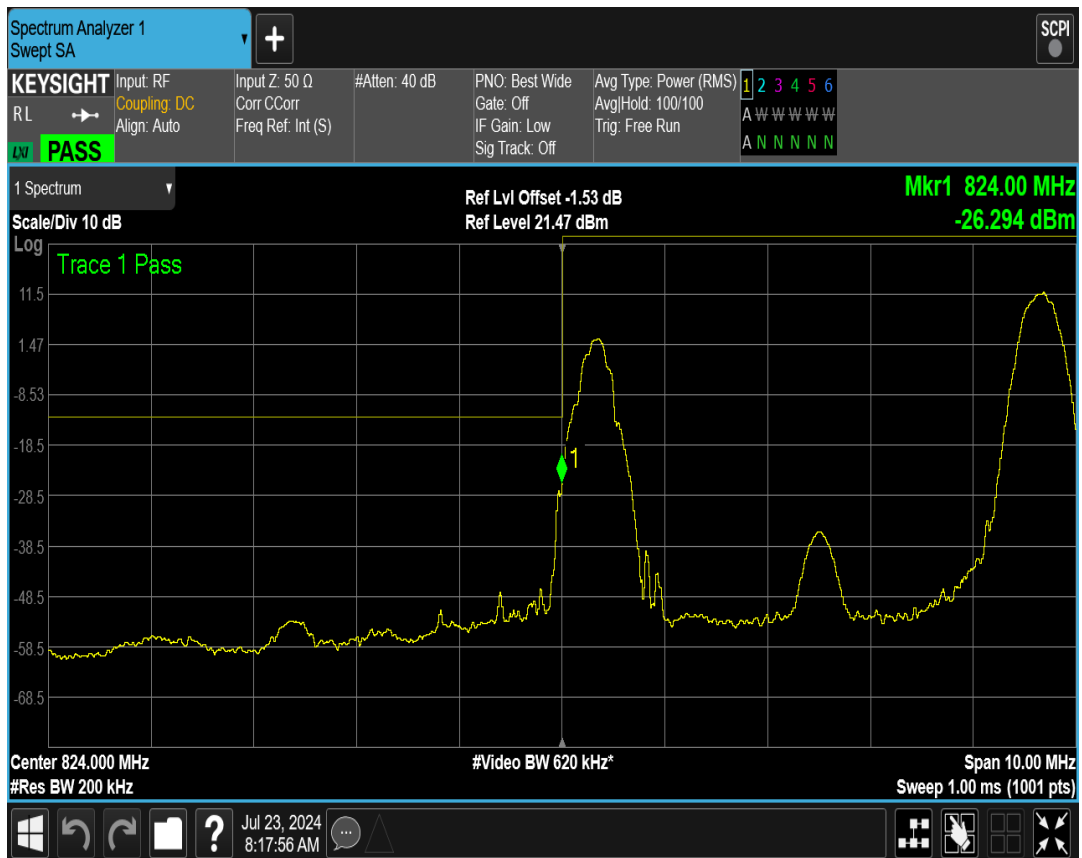
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=1@105



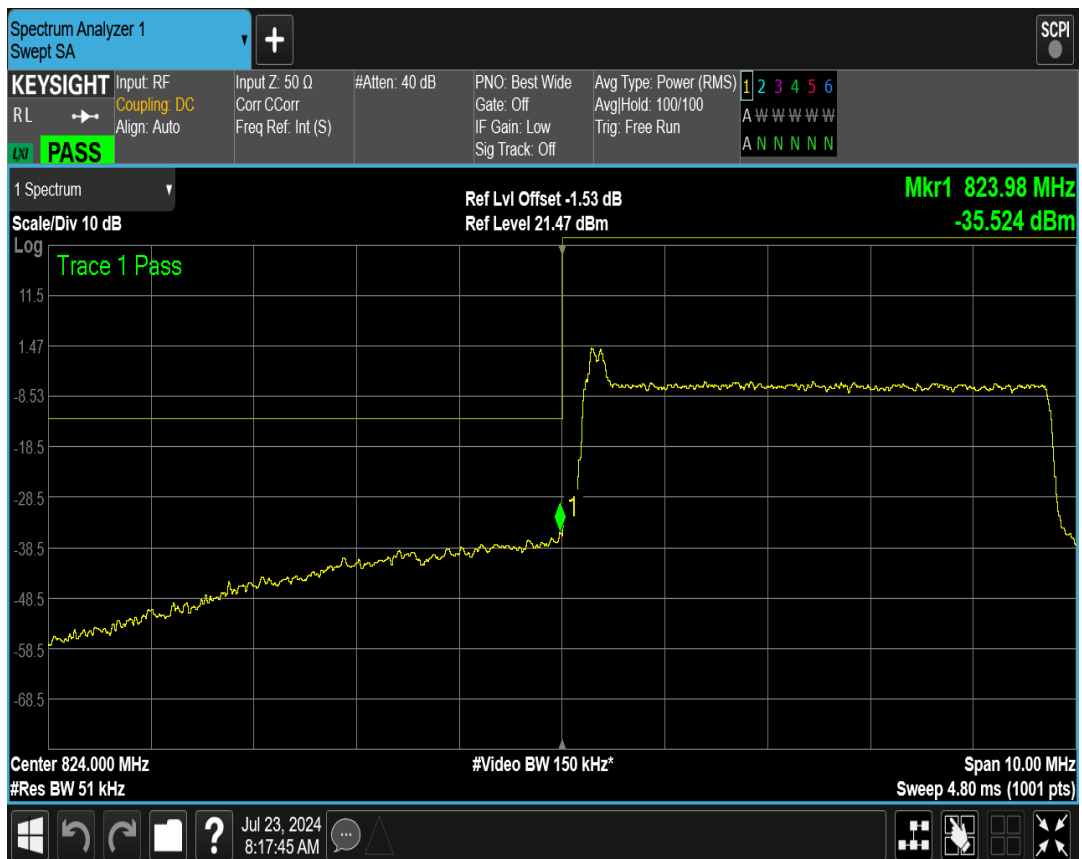
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@0



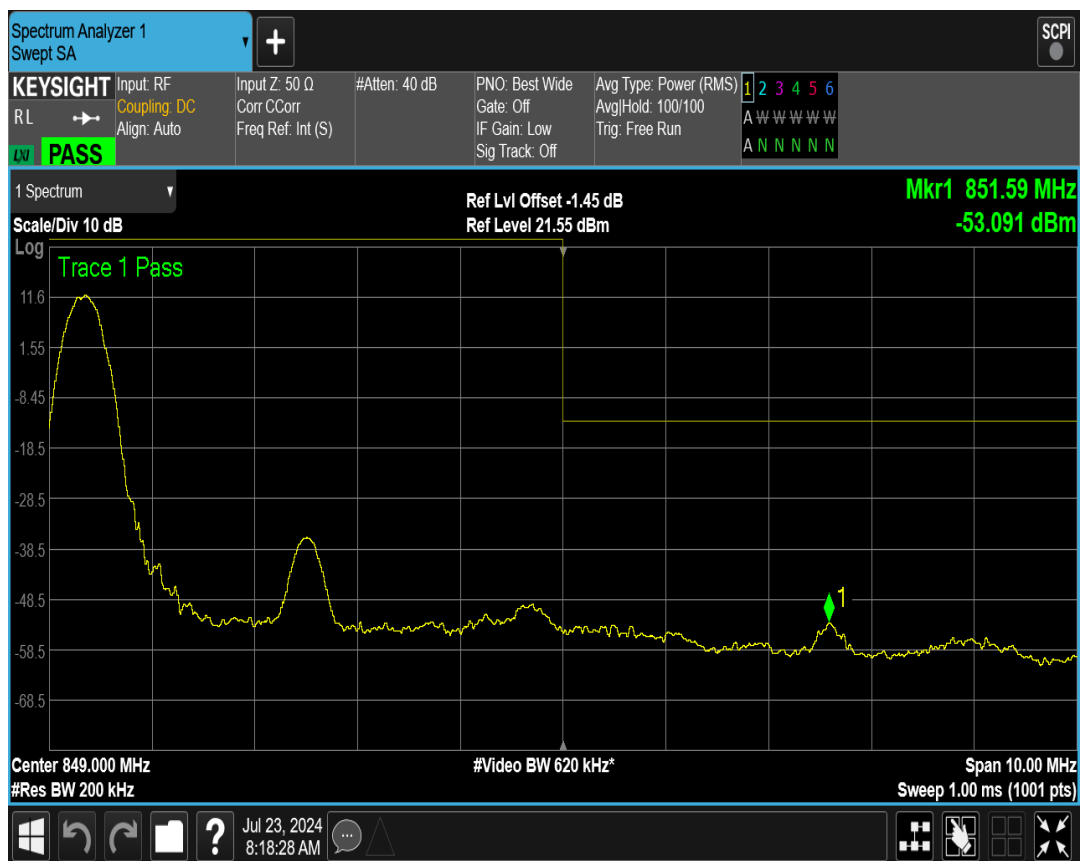
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@24



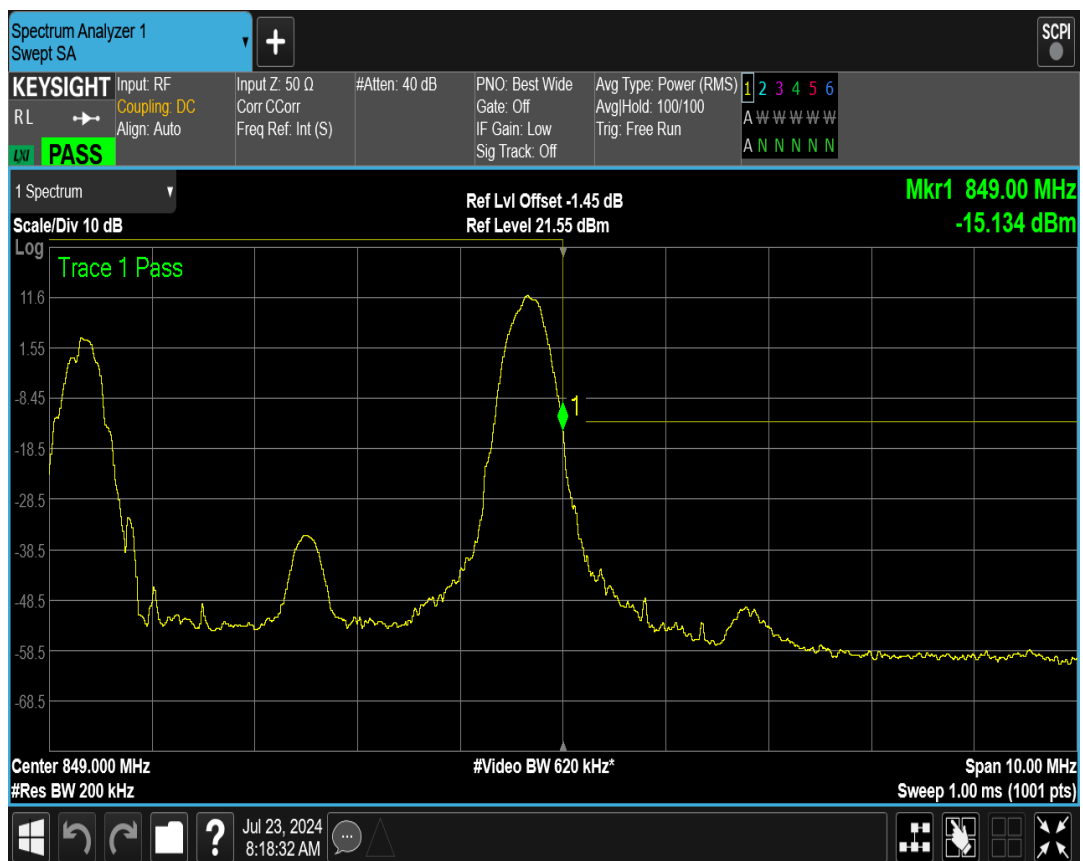
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=25@0



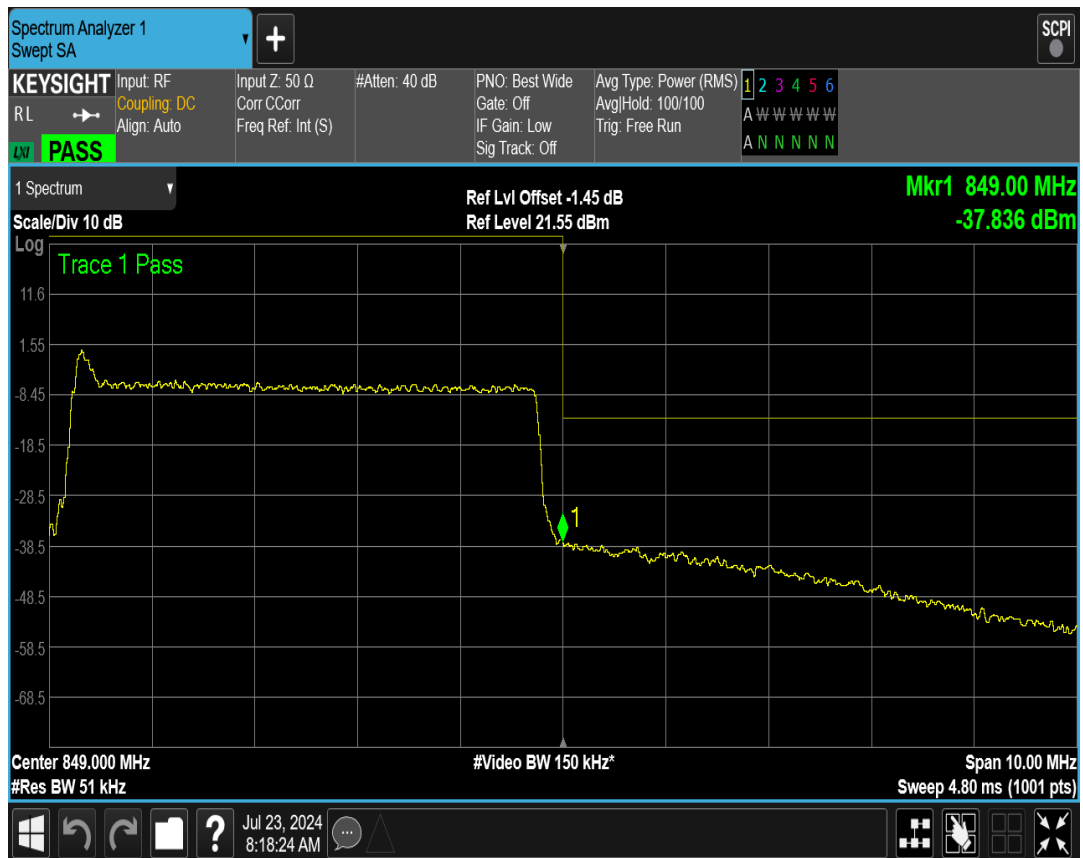
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=1@0



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



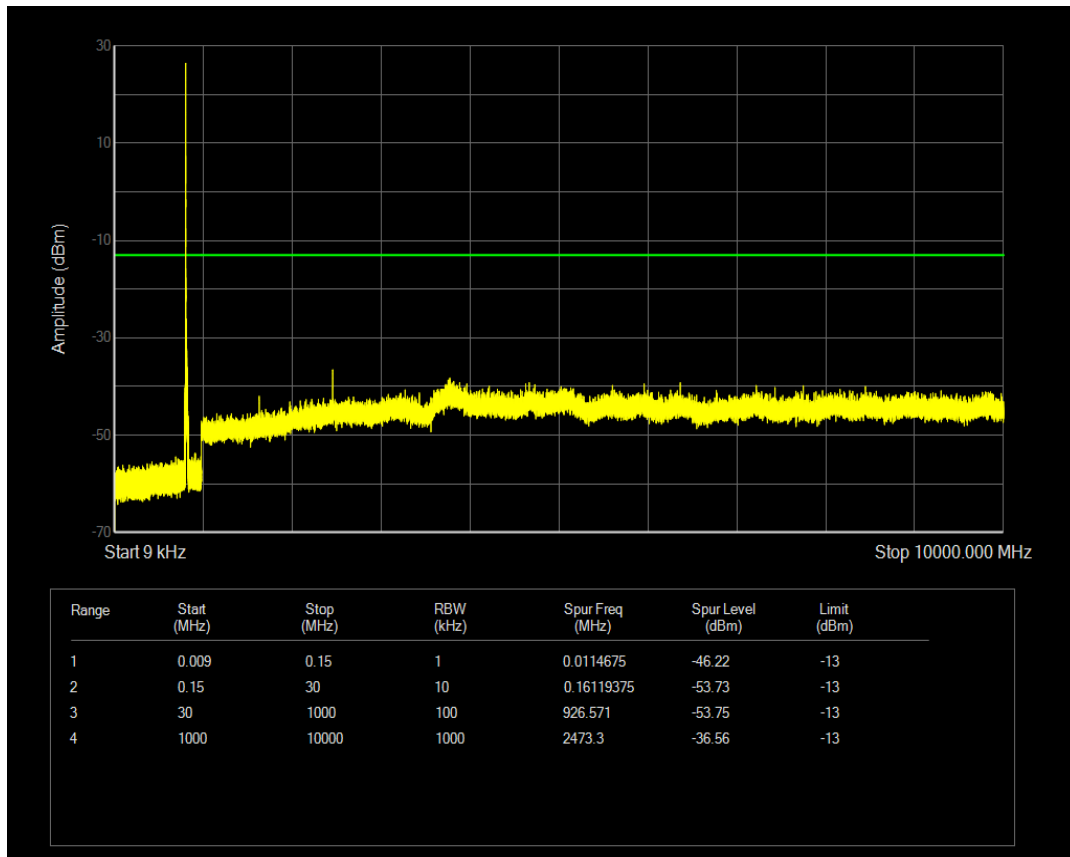
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=169300 RB=25@0

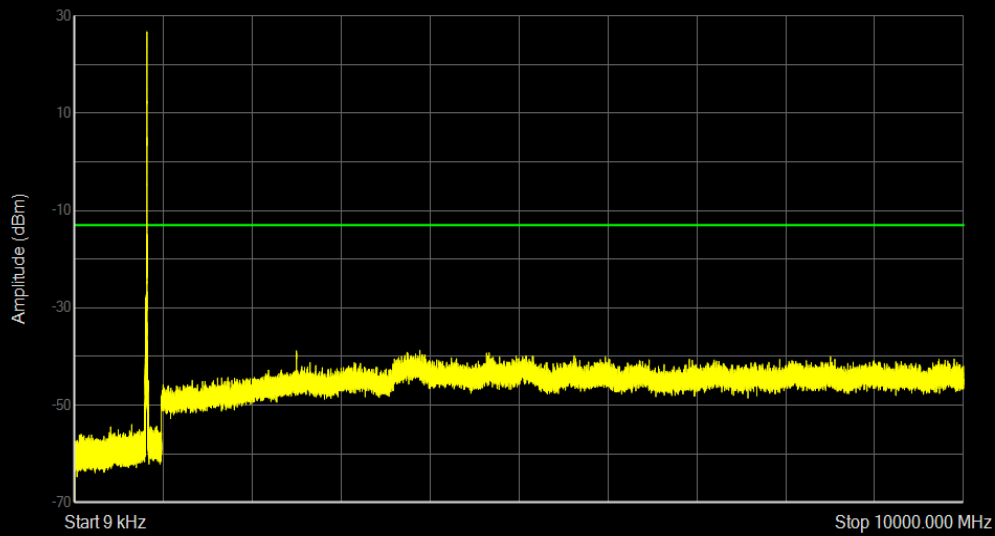


6 Out-of-band emissions for NR FR1

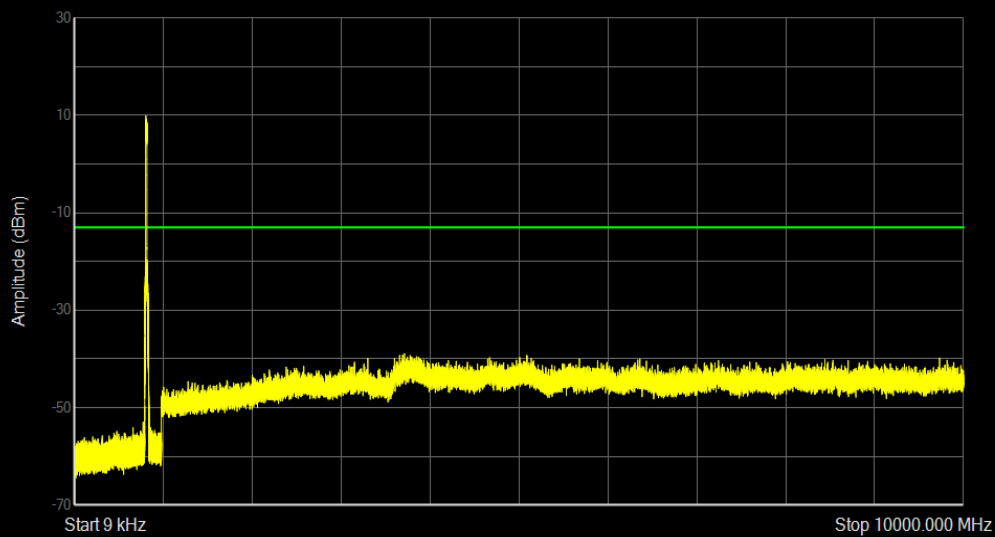
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	15	5	165300	25@0	CP_QPSK	3724.08	-38.58	-13	PASS
n5	15	5	165300	1@0	CP_QPSK	2473.08	-35.53	-13	PASS
n5	15	5	165300	1@24	CP_QPSK	2486.13	-33.38	-13	PASS
n5	15	5	169300	25@0	CP_QPSK	3757.38	-38.08	-13	PASS
n5	15	5	169300	1@0	CP_QPSK	3775.15	-37.52	-13	PASS
n5	15	5	169300	1@24	CP_QPSK	2545.98	-34.35	-13	PASS
n5	15	15	166300	79@0	CP_QPSK	3727.00	-38.89	-13	PASS
n5	15	15	166300	1@0	CP_QPSK	2473.30	-36.56	-13	PASS
n5	15	15	166300	1@78	CP_QPSK	3900.70	-38.79	-13	PASS
n5	15	15	168300	79@0	CP_QPSK	3633.18	-38.65	-13	PASS
n5	15	15	168300	1@0	CP_QPSK	2503.90	-35.79	-13	PASS
n5	15	15	168300	1@78	CP_QPSK	2545.30	-37.33	-13	PASS
n5	15	20	166800	106@0	CP_QPSK	3780.55	-38.66	-13	PASS
n5	15	20	166800	1@0	CP_QPSK	2473.98	-32.80	-13	PASS
n5	15	20	166800	1@105	CP_QPSK	2530.45	-32.88	-13	PASS
n5	15	20	167800	106@0	CP_QPSK	5074.08	-38.57	-13	PASS
n5	15	20	167800	1@0	CP_QPSK	2488.38	-38.14	-13	PASS
n5	15	20	167800	1@105	CP_QPSK	2545.30	-37.56	-13	PASS

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

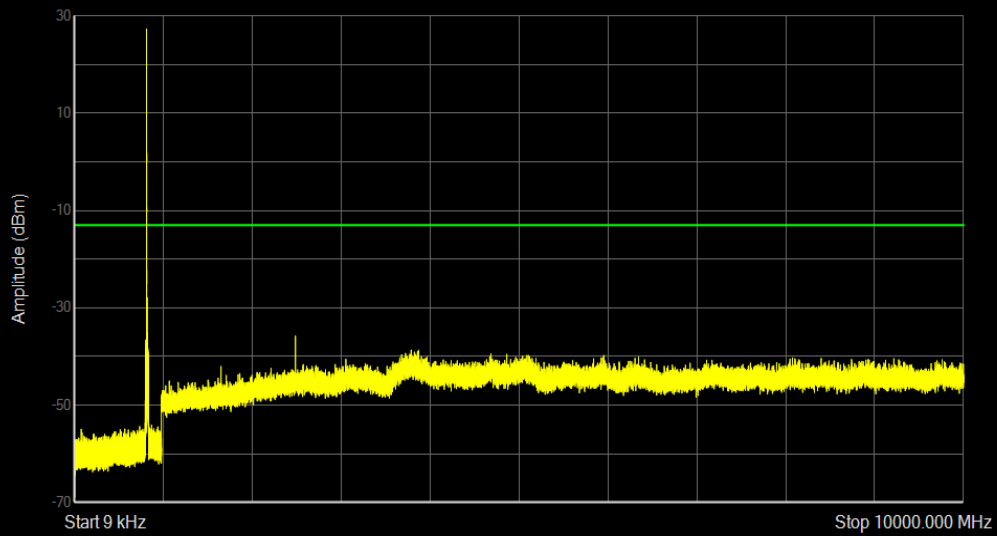


n5 SCS=15kHz CP_QPSK BW=15MHz Channel=166300 RB=1@78

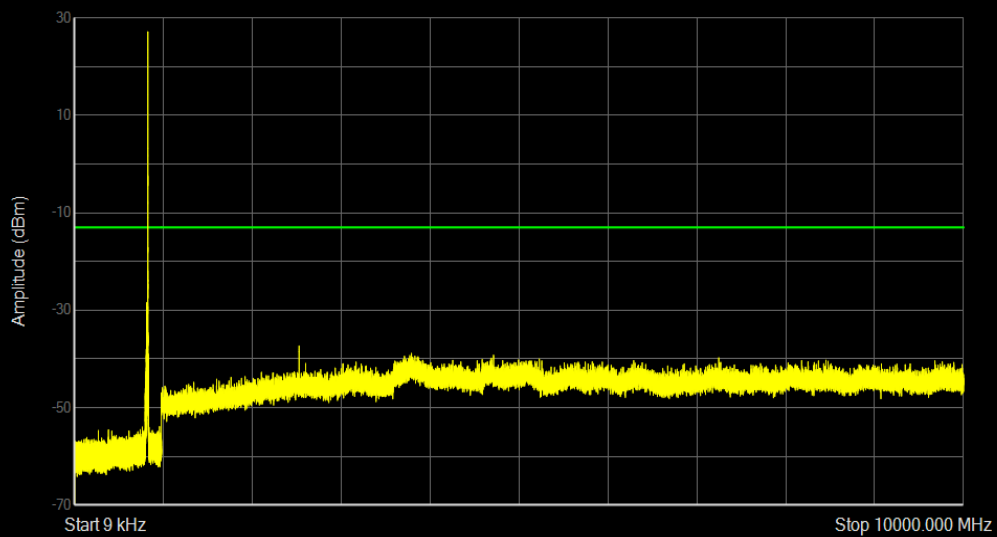
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011294775	-44.84	-13
2	0.15	30	10	0.15522375	-56.44	-13
3	30	1000	100	667.6295	-53.99	-13
4	1000	10000	1000	3900.7	-38.79	-13

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

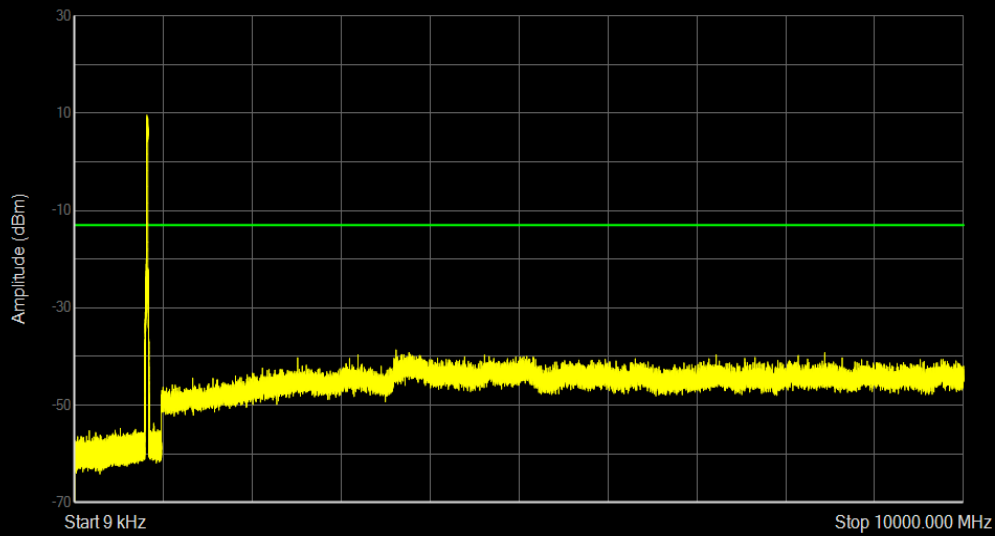
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010956375	-46.17	-13
2	0.15	30	10	0.16716375	-55.16	-13
3	30	1000	100	682.05825	-54.09	-13
4	1000	10000	1000	3727	-38.89	-13

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

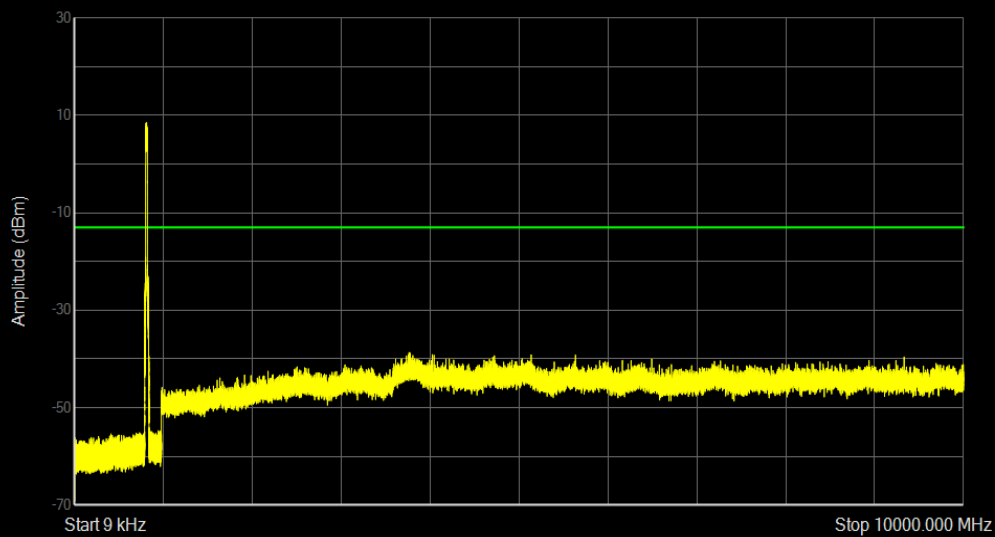
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00993765	-43.88	-13
2	0.15	30	10	0.15	-56.21	-13
3	30	1000	100	756.89375	-54.43	-13
4	1000	10000	1000	2503.9	-35.79	-13

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

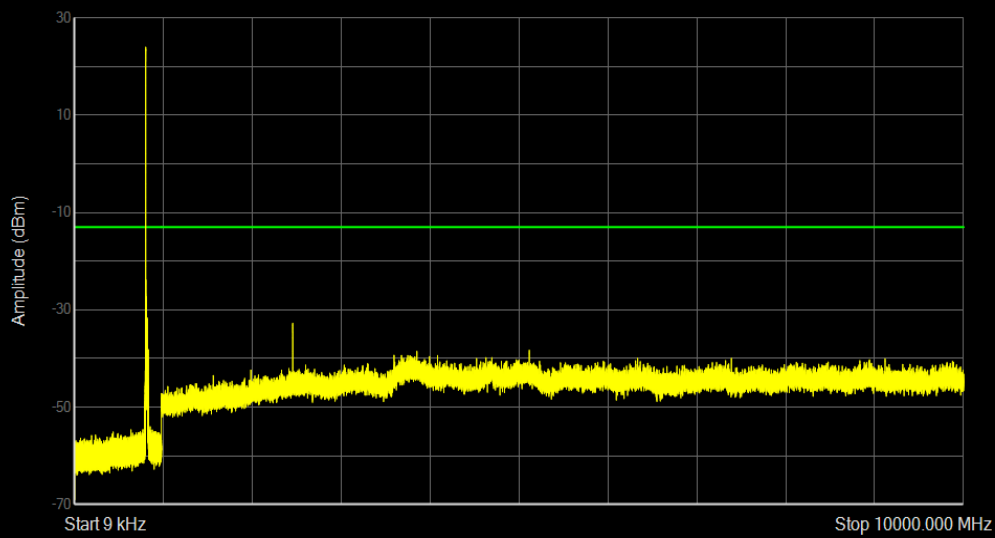
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014030175	-44.94	-13
2	0.15	30	10	0.15522375	-56.78	-13
3	30	1000	100	979.3875	-53.87	-13
4	1000	10000	1000	2545.3	-37.33	-13

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

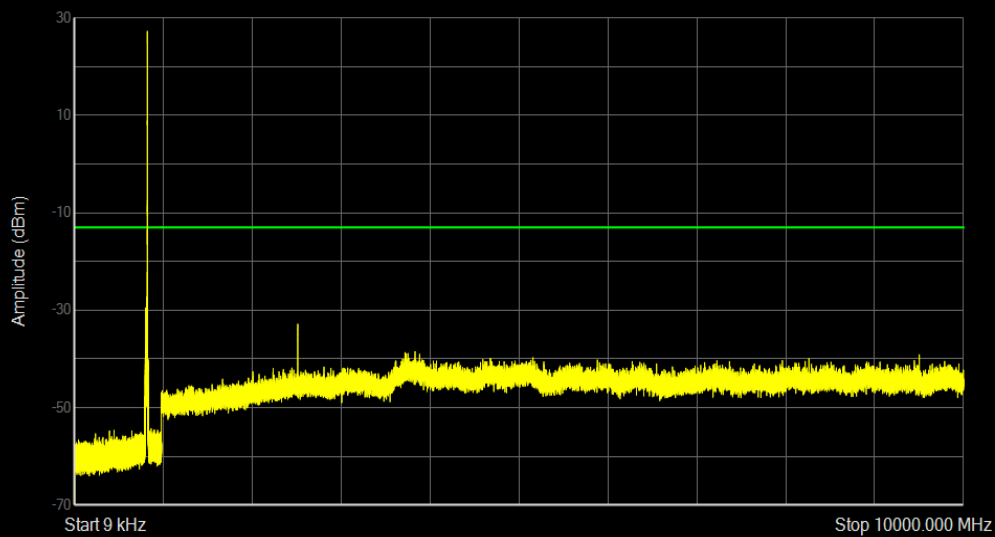
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012013875	-45.51	-13
2	0.15	30	10	0.16791	-56.69	-13
3	30	1000	100	914.47025	-53.75	-13
4	1000	10000	1000	3633.175	-38.65	-13

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

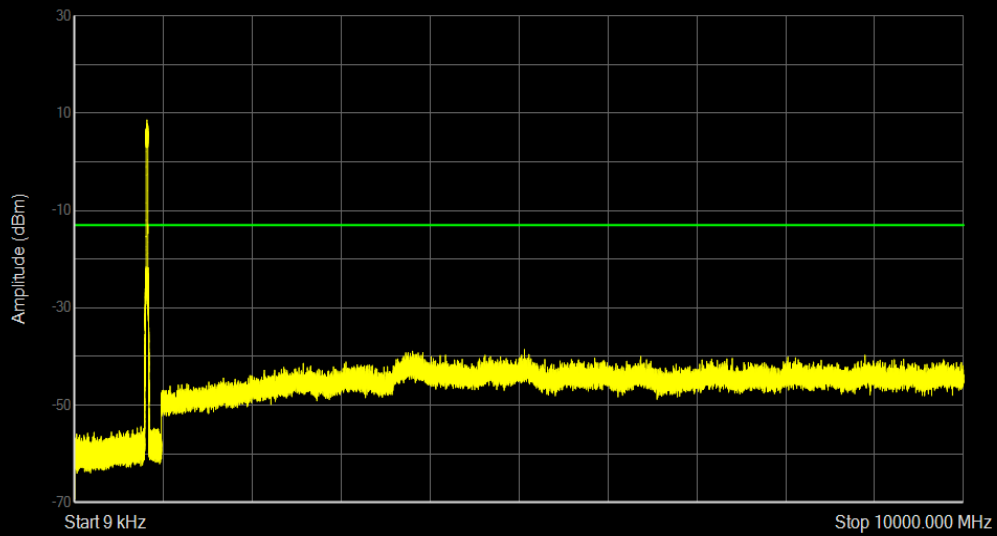
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011217225	-44.41	-13
2	0.15	30	10	0.15597	-57.7	-13
3	30	1000	100	966.05	-54.72	-13
4	1000	10000	1000	3780.55	-38.66	-13

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

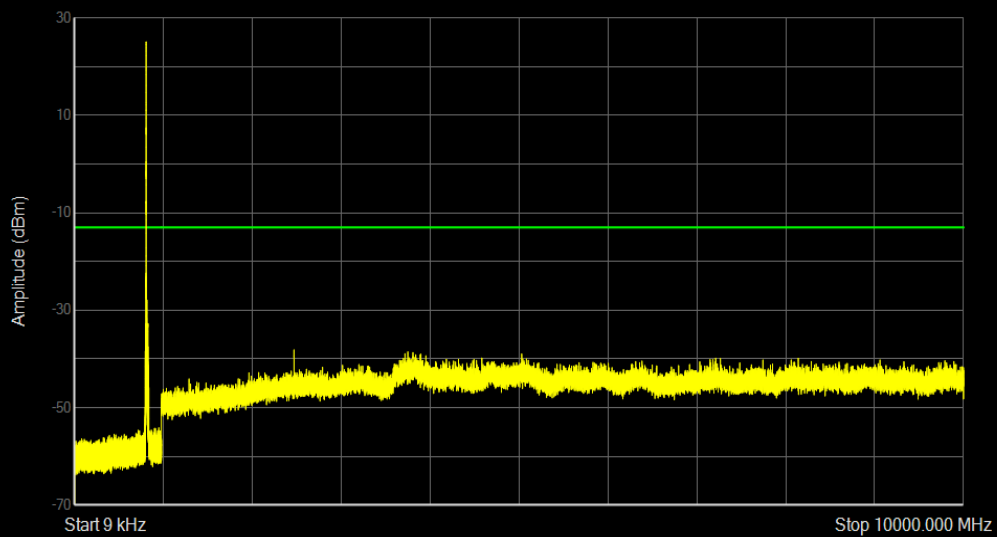
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095076	-45.01	-13
2	0.15	30	10	0.16567125	-55.44	-13
3	30	1000	100	659.918	-54.66	-13
4	1000	10000	1000	2473.975	-32.8	-13

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	0.0142875	-46.3	-13
2	0.15	30	10	0.1574625	-55.79	-13
3	30	1000	100	958.41125	-54.61	-13
4	1000	10000	1000	2530.45	-32.88	-13

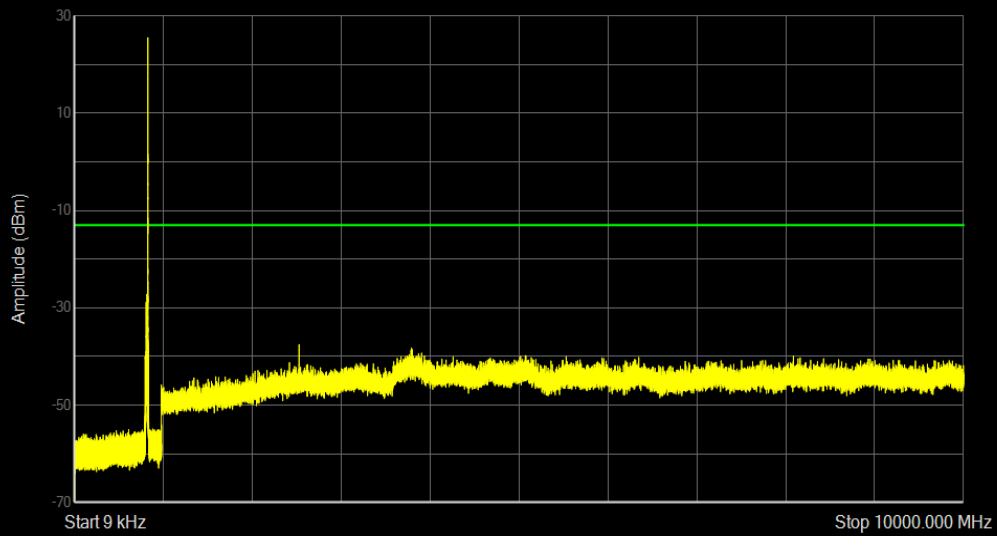
n5 SCS=15kHz CP_QPSK BW=20MHz Channel=167800 RB=106@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010434675	-45.92	-13
2	0.15	30	10	0.15522375	-54.93	-13
3	30	1000	100	729.53975	-54.7	-13
4	1000	10000	1000	5074.075	-38.57	-13

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

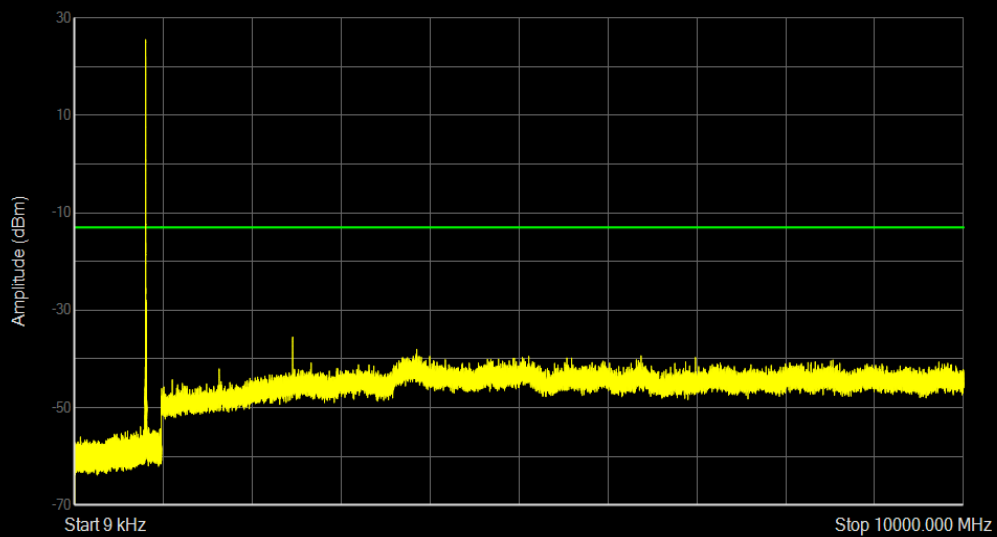
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009941175	-45.81	-13
2	0.15	30	10	0.15	-56.47	-13
3	30	1000	100	971.79725	-54.12	-13
4	1000	10000	1000	2488.375	-38.14	-13

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

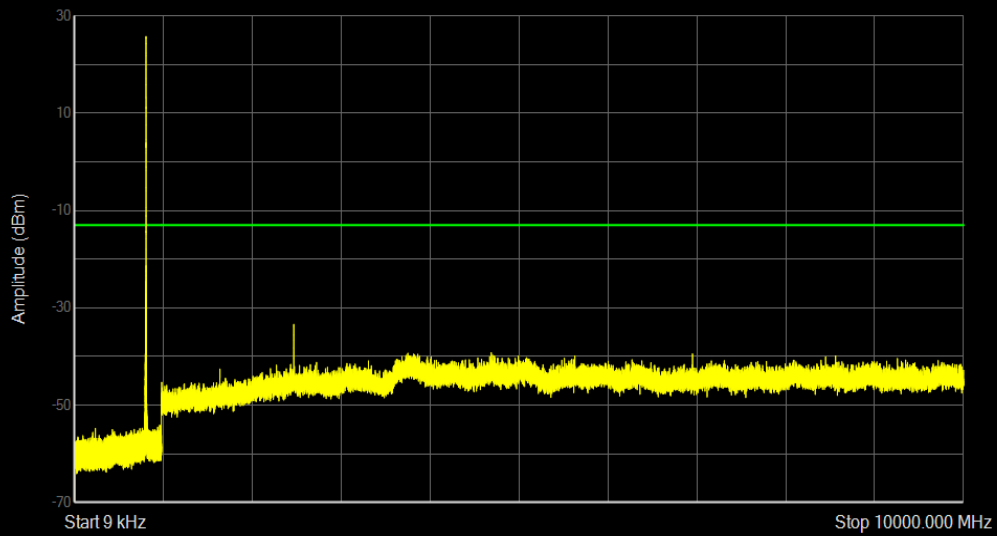


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00926085	-44.66	-13
2	0.15	30	10	0.15671625	-57.68	-13
3	30	1000	100	999.49075	-53.94	-13
4	1000	10000	1000	2545.3	-37.56	-13

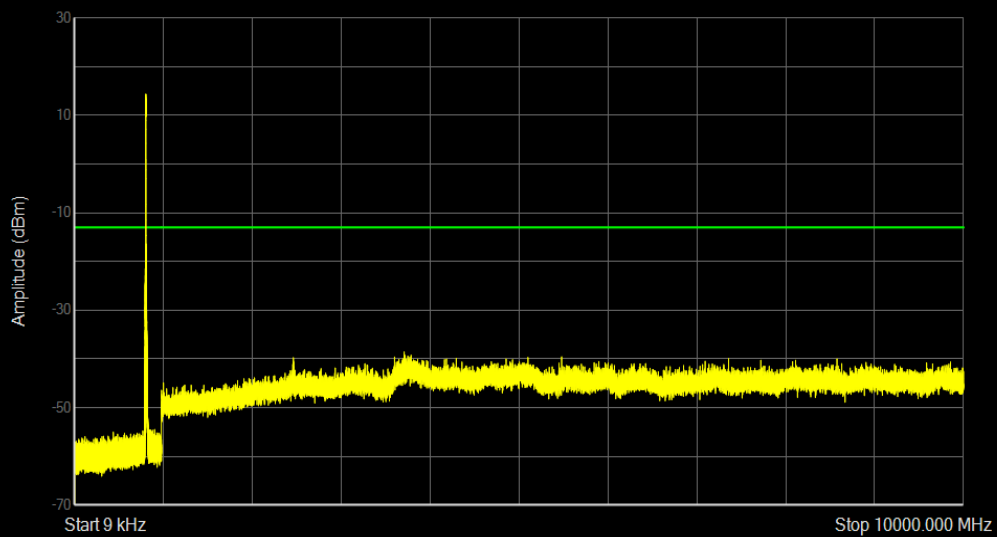
n5 SCS=15kHz CP_QPSK BW=5MHz Channel=165300 RB=1@0



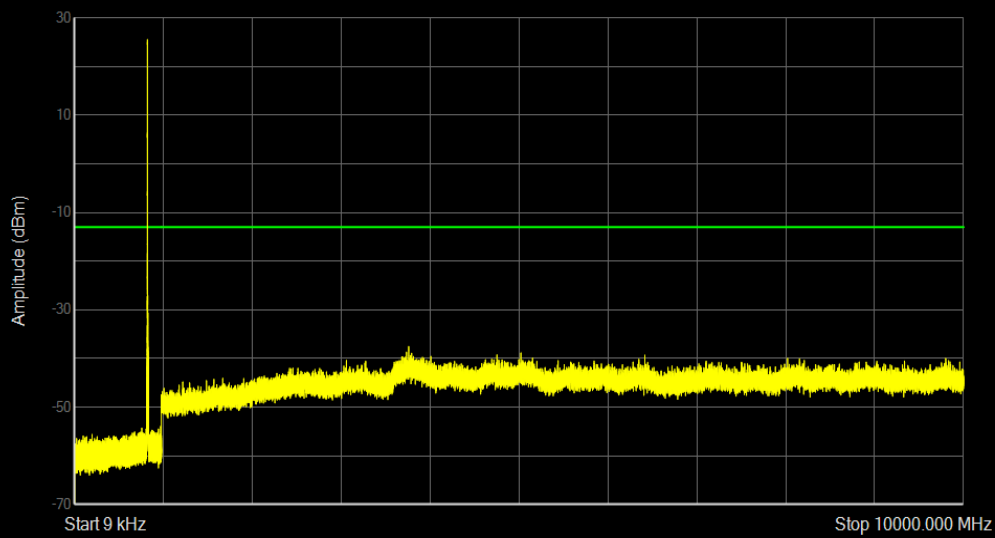
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010632075	-45.78	-13
2	0.15	30	10	0.15	-55.9	-13
3	30	1000	100	766.06025	-53.93	-13
4	1000	10000	1000	2473.075	-35.53	-13

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

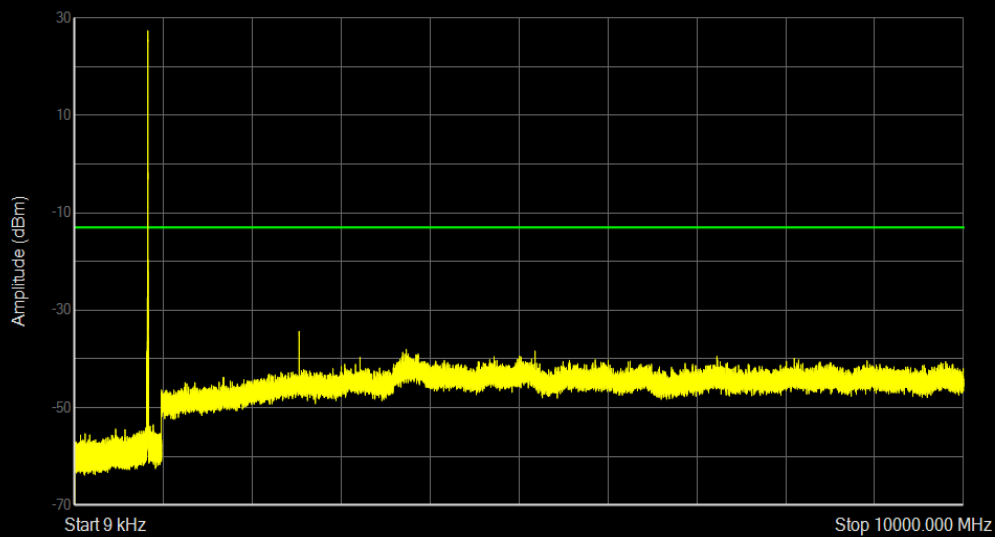
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01398435	-45.98	-13
2	0.15	30	10	0.15223875	-56.37	-13
3	30	1000	100	981.25475	-54.14	-13
4	1000	10000	1000	2486.125	-33.38	-13

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	0.0154578	-45.33	-13
2	0.15	30	10	0.1634325	-56.72	-13
3	30	1000	100	925.504	-54.49	-13
4	1000	10000	1000	3724.075	-38.58	-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	0.0140901	-46.07	-13
2	0.15	30	10	0.15597	-56.25	-13
3	30	1000	100	992.36125	-53.96	-13
4	1000	10000	1000	3775.15	-37.52	-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	0.0155001	-46.24	-13
2	0.15	30	10	0.15671625	-55.49	-13
3	30	1000	100	909.014	-53.52	-13
4	1000	10000	1000	2545.975	-34.35	-13

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

