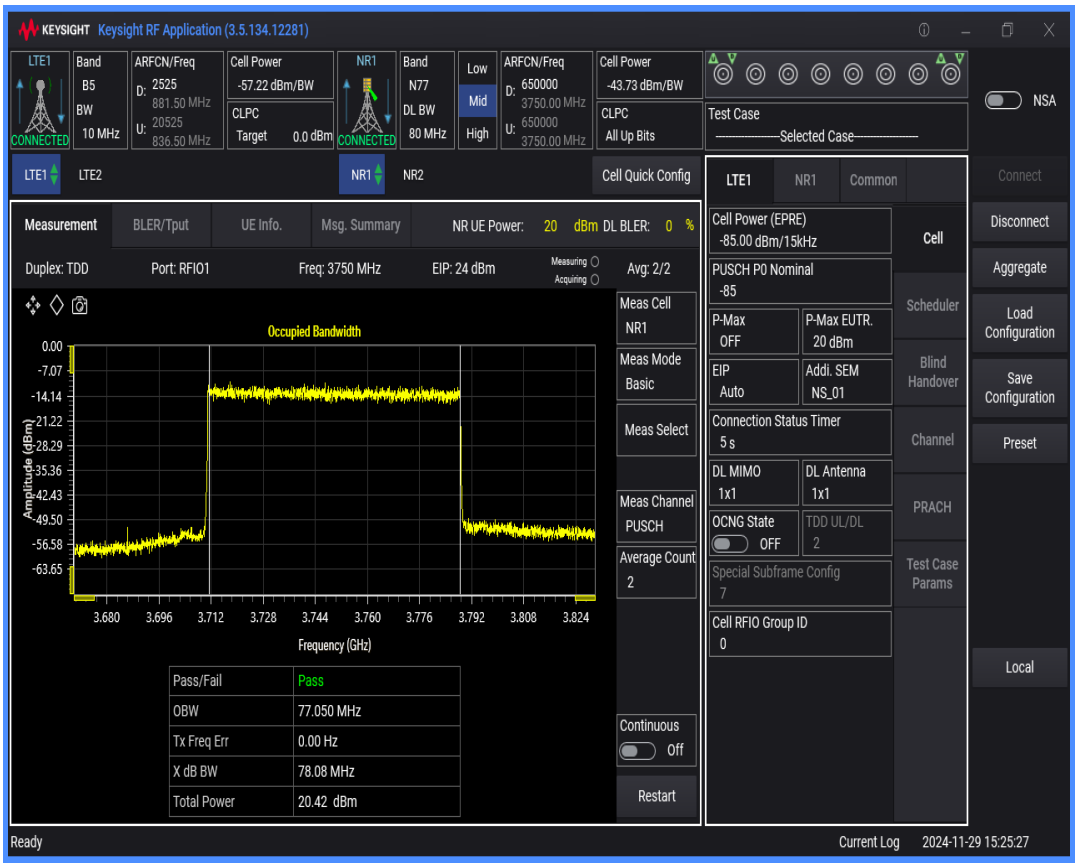
n77 SCS=30kHz DFT_QPSK BW=20MHz Channel=650000 RB=50@0

n77 SCS=30kHz DFT_QAM64 BW=80MHz Channel=650000 RB=216@0

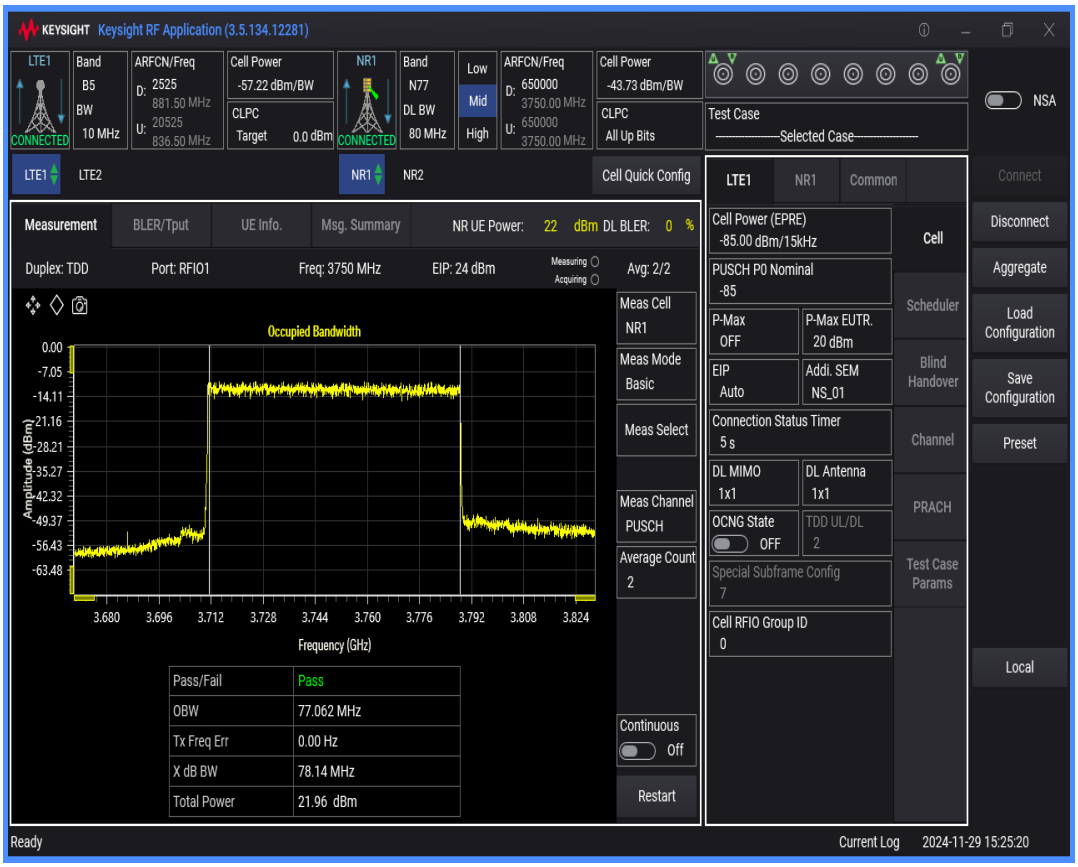


n77 SCS=30kHz DFT_QAM64 BW=60MHz Channel=650000 RB=162@0

n77 SCS=30kHz DFT_QPSK BW=100MHz Channel=650000 RB=270@0

n77 SCS=30kHz DFT_QAM64 BW=90MHz Channel=650000 RB=240@0

n77 SCS=30kHz DFT_QPSK BW=80MHz Channel=650000 RB=216@0



n77 SCS=30kHz DFT_QPSK BW=90MHz Channel=650000 RB=240@0

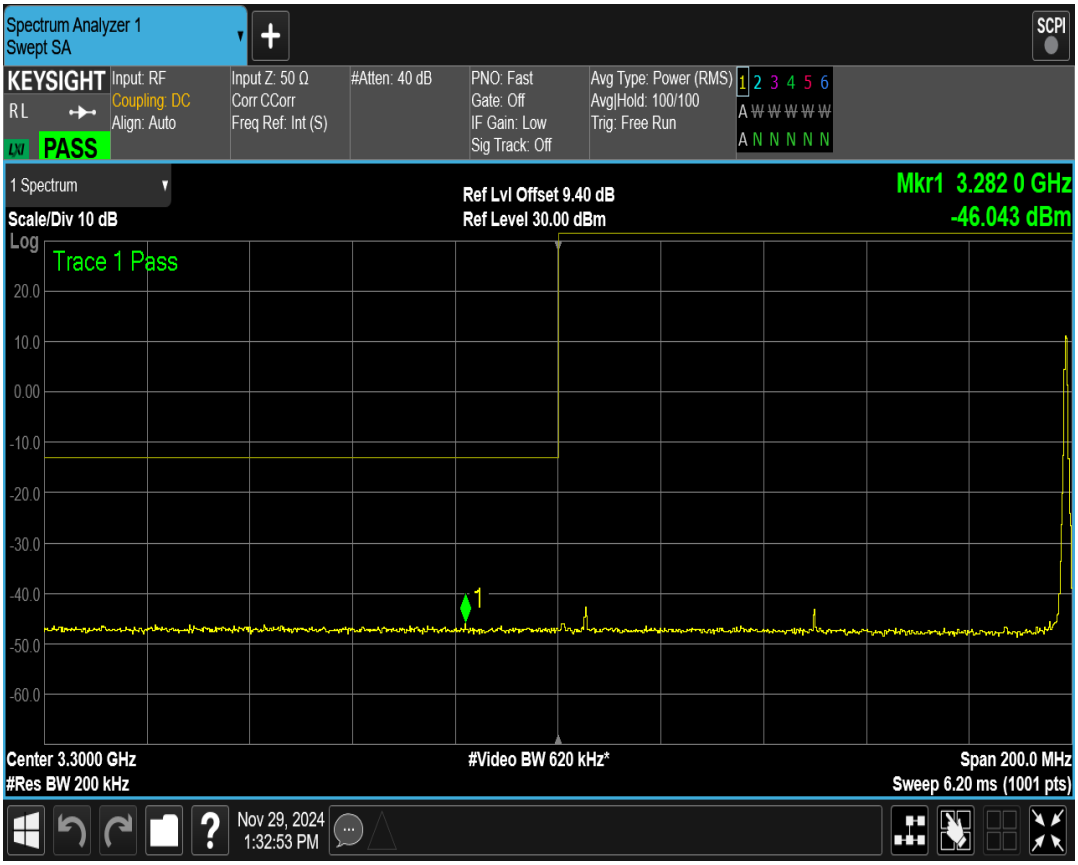
n77 SCS=30kHz DFT_QPSK BW=50MHz Channel=650000 RB=128@0

n77 SCS=30kHz DFT_QPSK BW=60MHz Channel=650000 RB=162@0

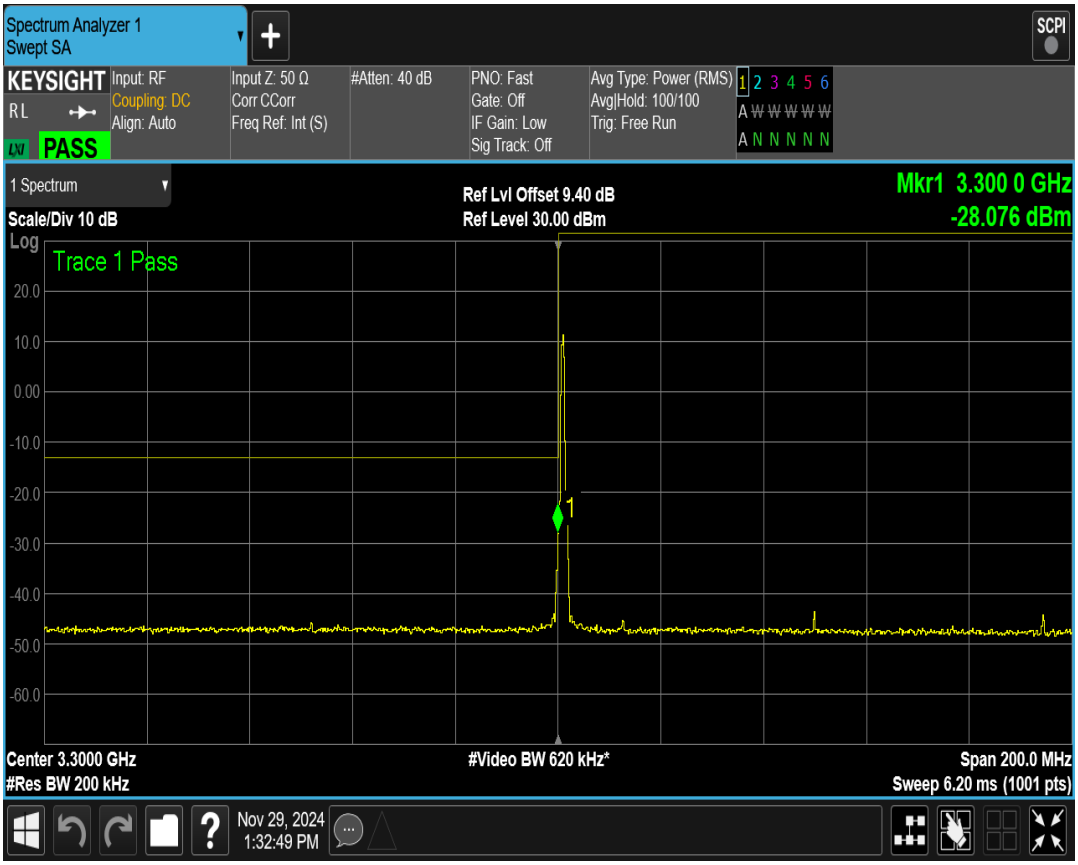
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77	30	10	620334	24@0	CP_QPSK	3299.94	-41.43	-13	PASS
n77	30	10	620334	1@0	CP_QPSK	3300.00	-33.58	-13	PASS
n77	30	10	620334	1@23	CP_QPSK	3295.04	-46.29	-13	PASS
n77	30	10	679666	24@0	CP_QPSK	4200.82	-40.74	-13	PASS
n77	30	10	679666	1@0	CP_QPSK	4201.30	-43.60	-13	PASS
n77	30	10	679666	1@23	CP_QPSK	4200.00	-38.25	-13	PASS
n77	30	50	621668	133@0	CP_QPSK	3298.70	-39.24	-13	PASS
n77	30	50	621668	1@0	CP_QPSK	3300.00	-40.57	-13	PASS
n77	30	50	621668	1@132	CP_QPSK	3274.20	-46.29	-13	PASS
n77	30	50	678332	133@0	CP_QPSK	4200.60	-37.85	-13	PASS
n77	30	50	678332	1@0	CP_QPSK	4209.90	-43.45	-13	PASS
n77	30	50	678332	1@132	CP_QPSK	4200.00	-39.37	-13	PASS
n77	30	100	623334	273@0	CP_QPSK	3300.00	-24.98	-13	PASS
n77	30	100	623334	1@0	CP_QPSK	3300.00	-28.07	-13	PASS
n77	30	100	623334	1@272	CP_QPSK	3282.00	-46.04	-13	PASS
n77	30	100	676666	273@0	CP_QPSK	4200.00	-22.87	-13	PASS
n77	30	100	676666	1@0	CP_QPSK	4277.40	-43.67	-13	PASS
n77	30	100	676666	1@272	CP_QPSK	4200.20	-41.07	-13	PASS

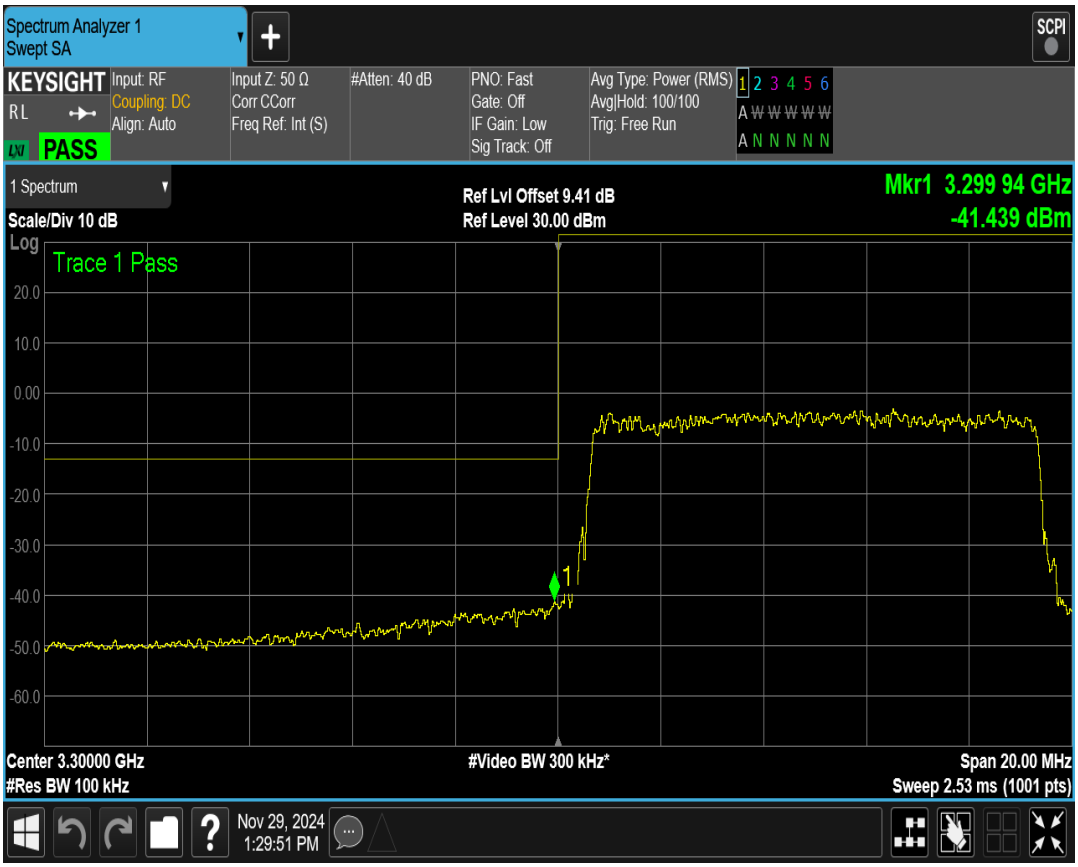
n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272



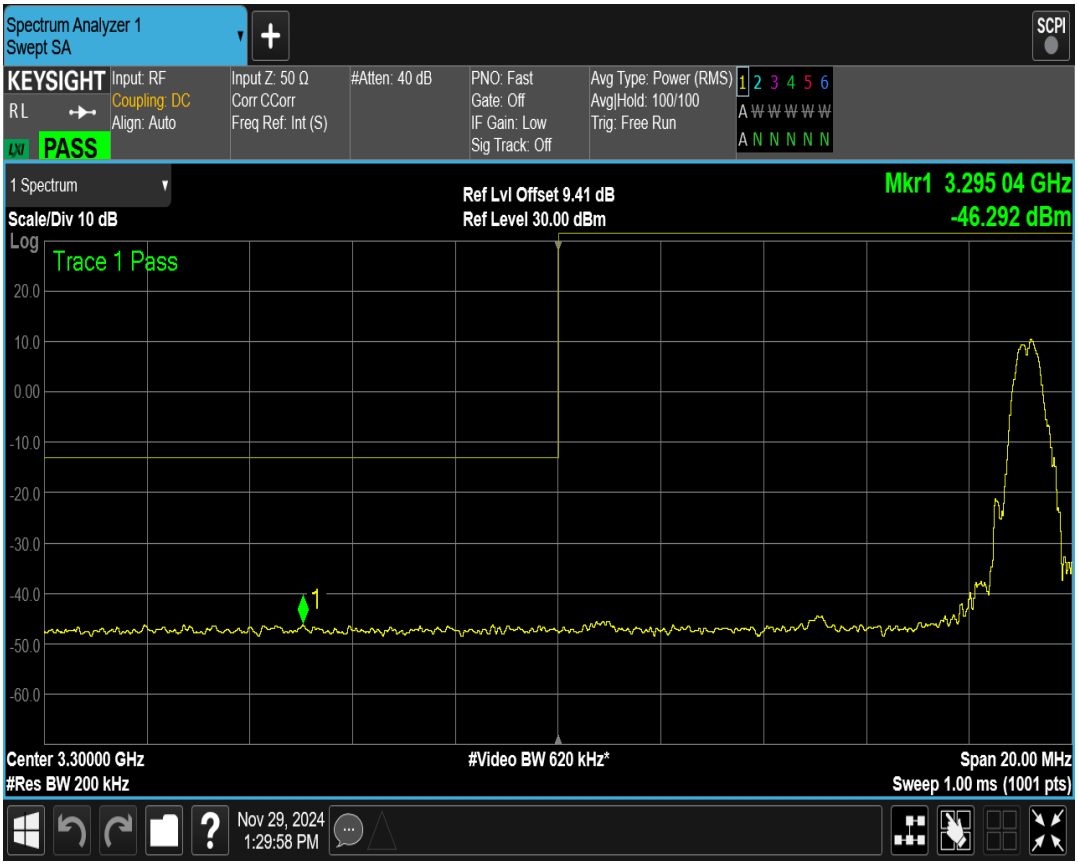
n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0



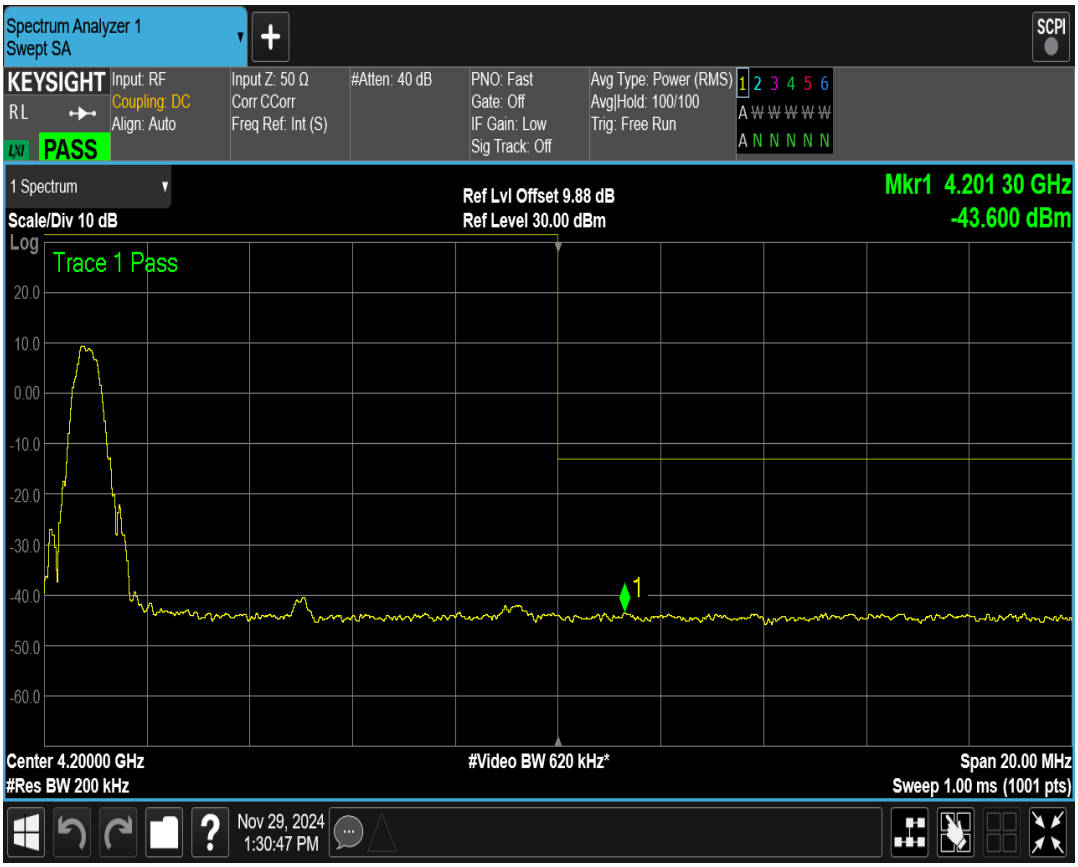
n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0



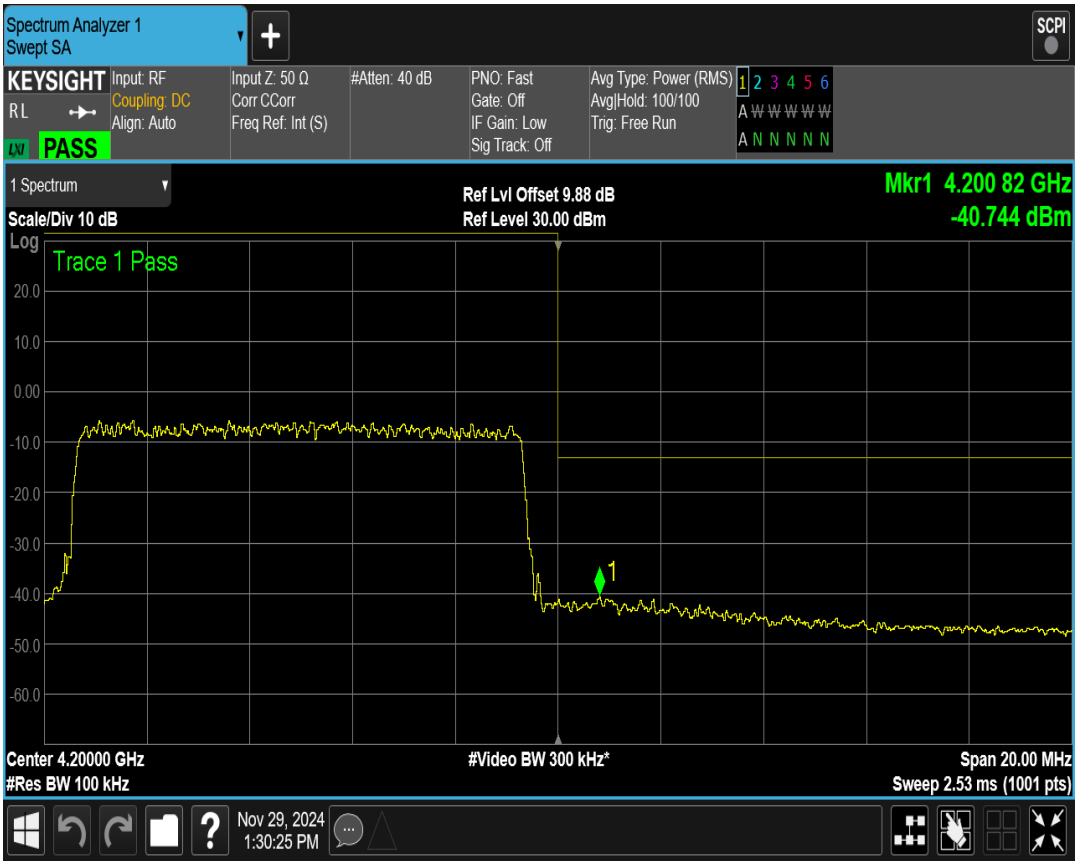
n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@23



n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=1@0

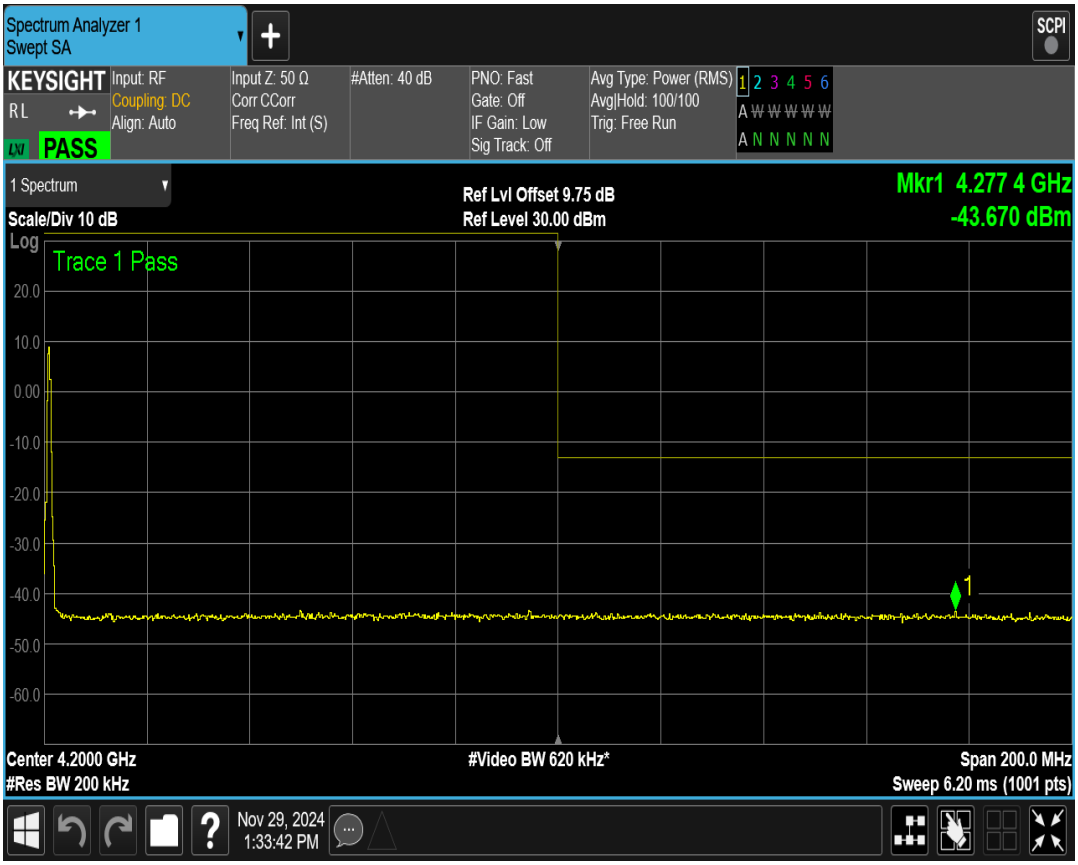


n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=24@0

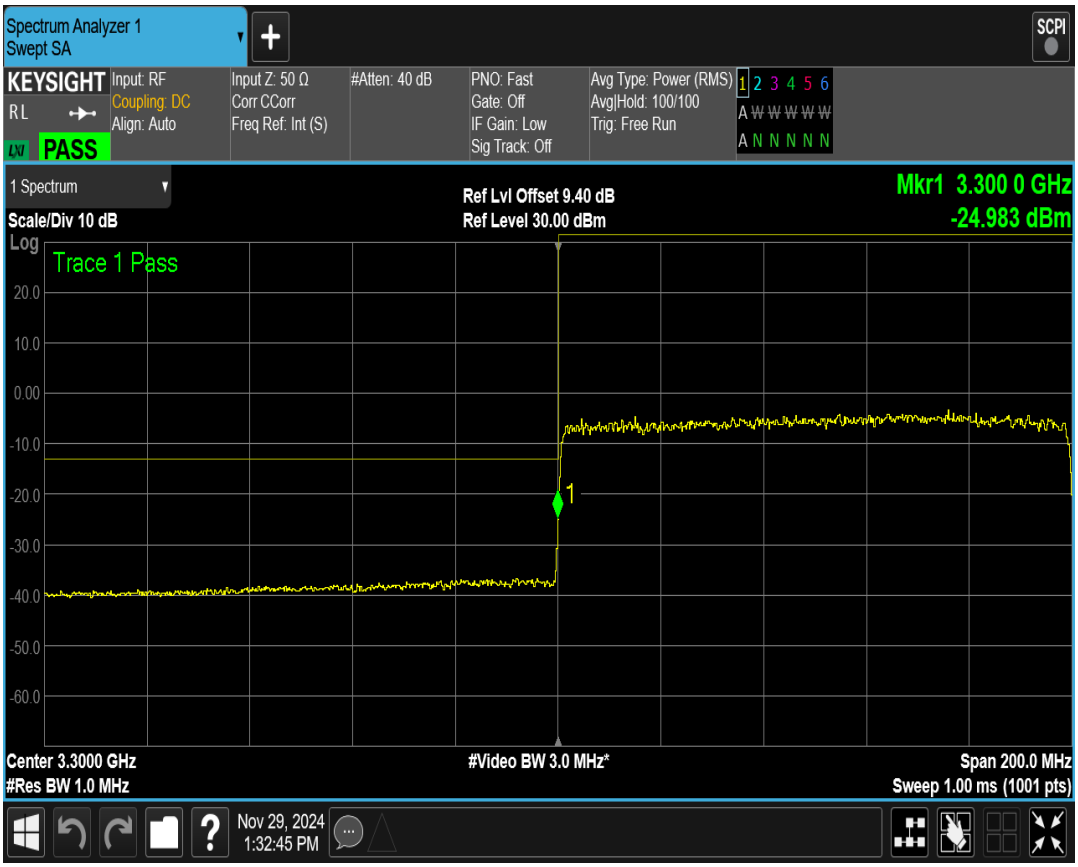


n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=1@23

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=1@0

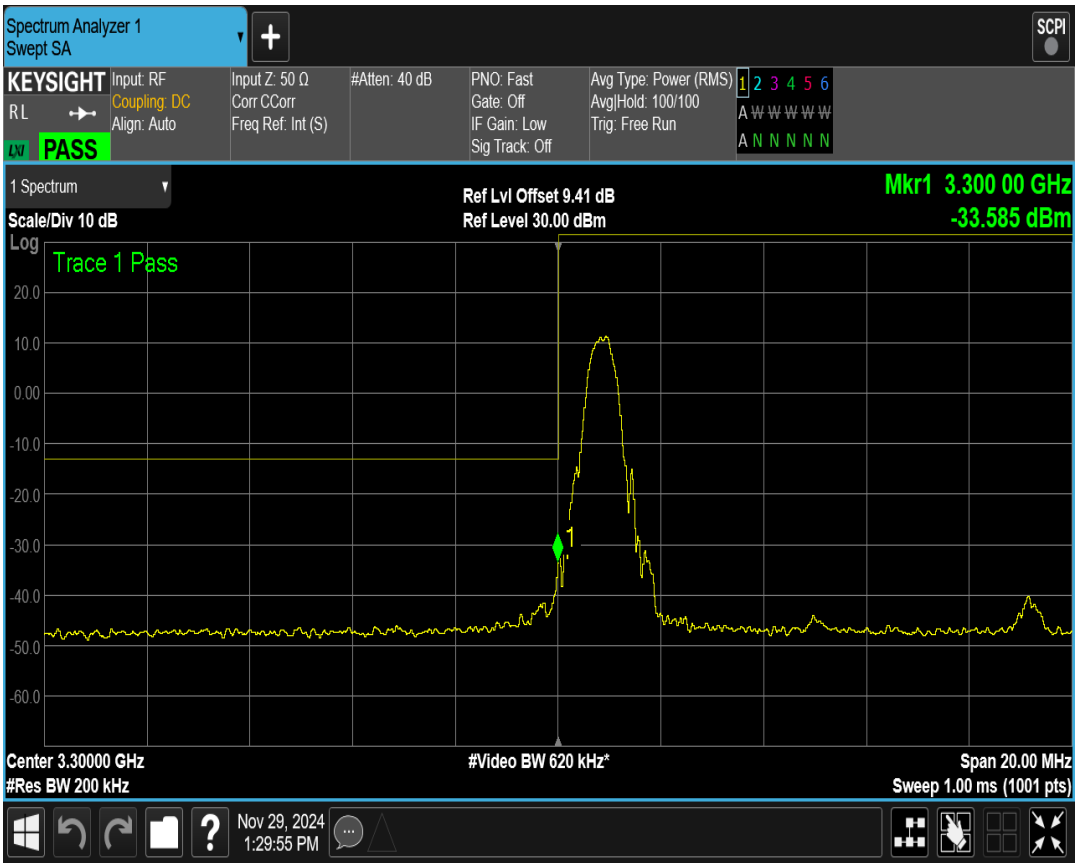


n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0

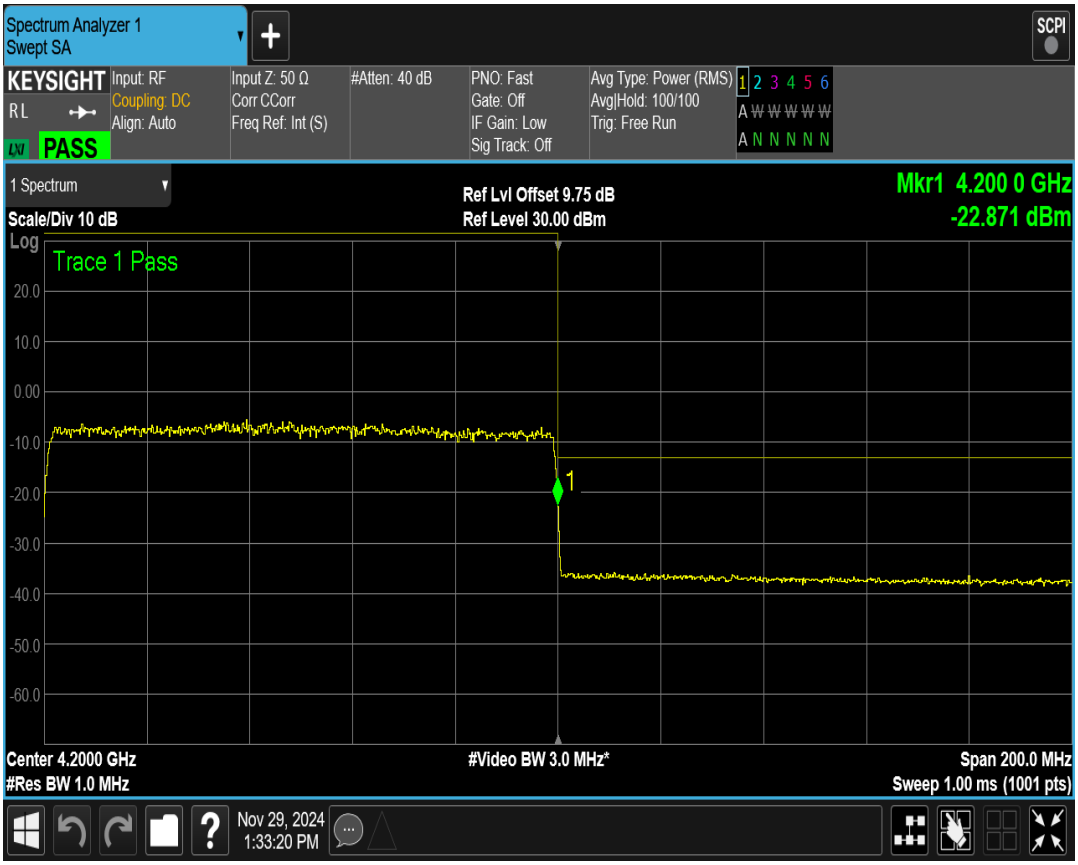


n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=1@272

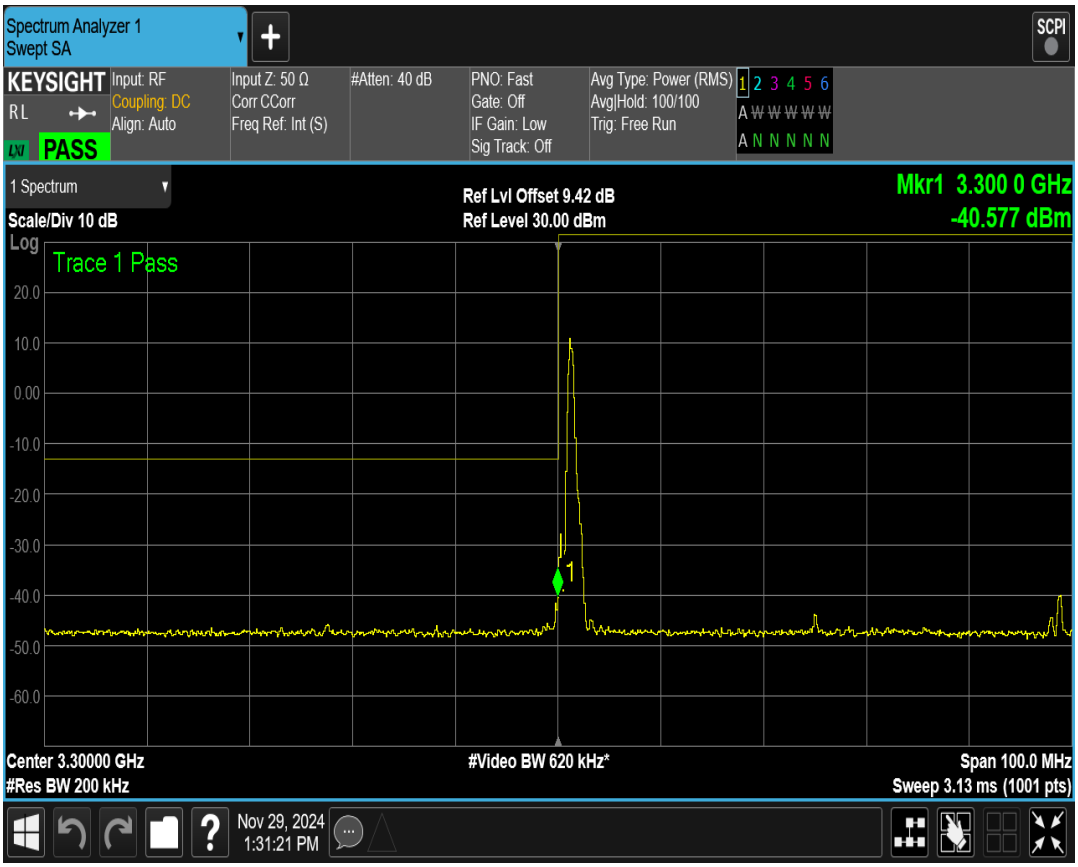
n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@0



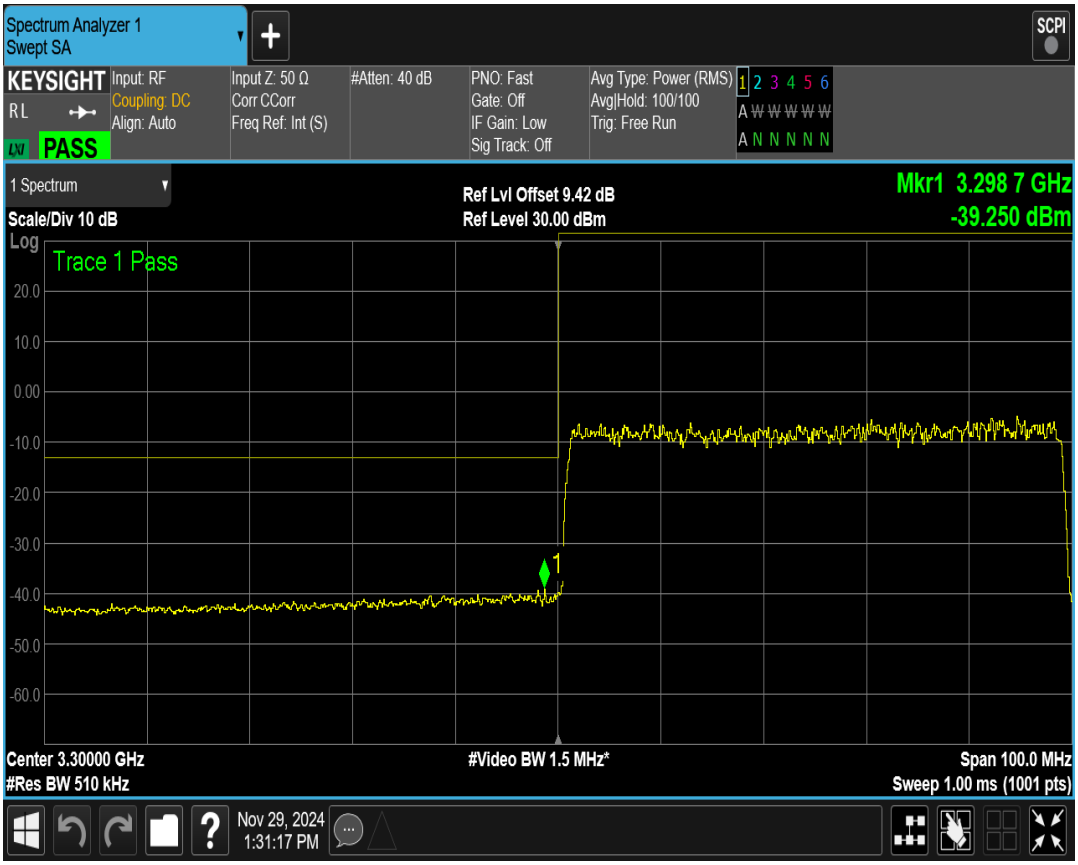
n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=273@0



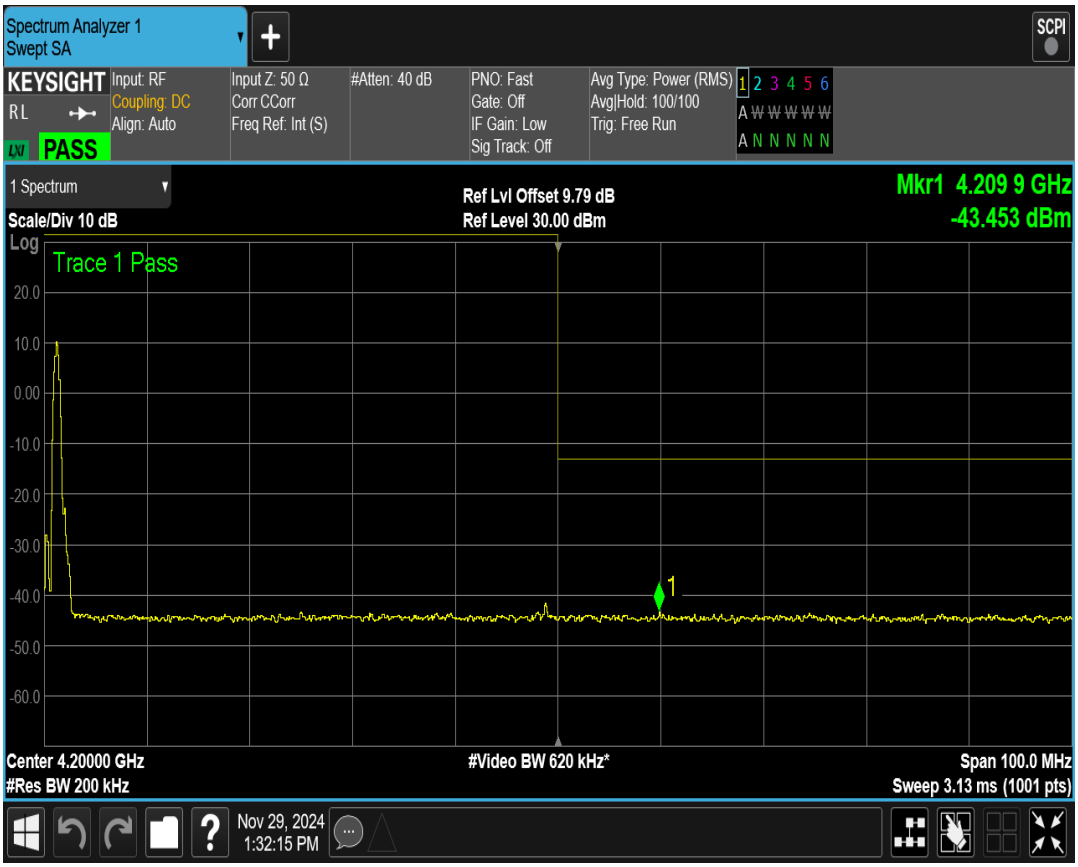
n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0



n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=133@0

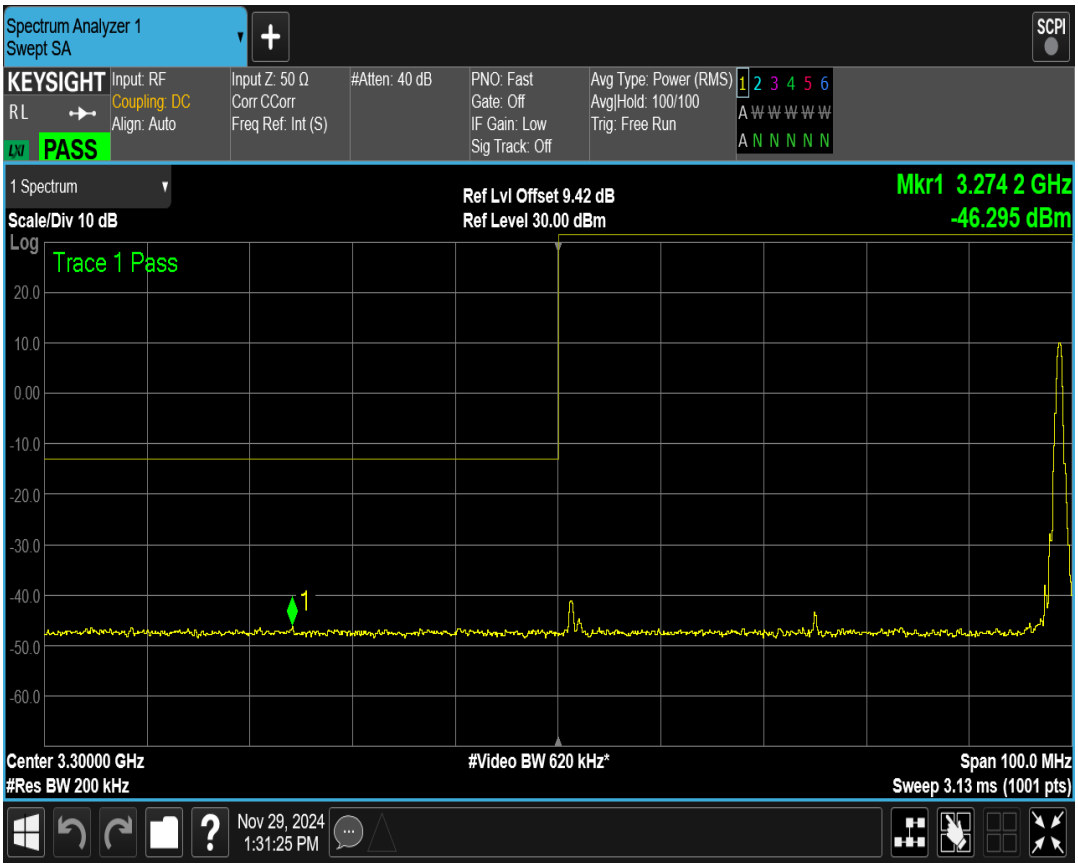


n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=1@0

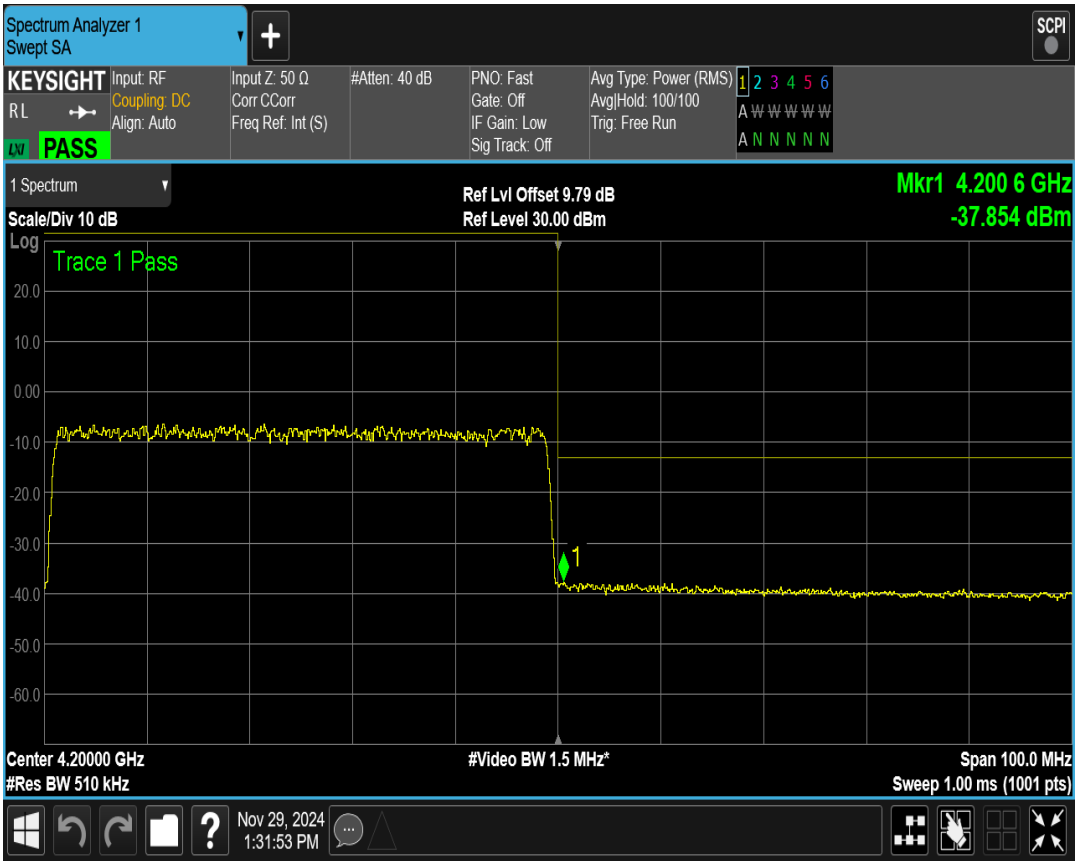


n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=1@132

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@132



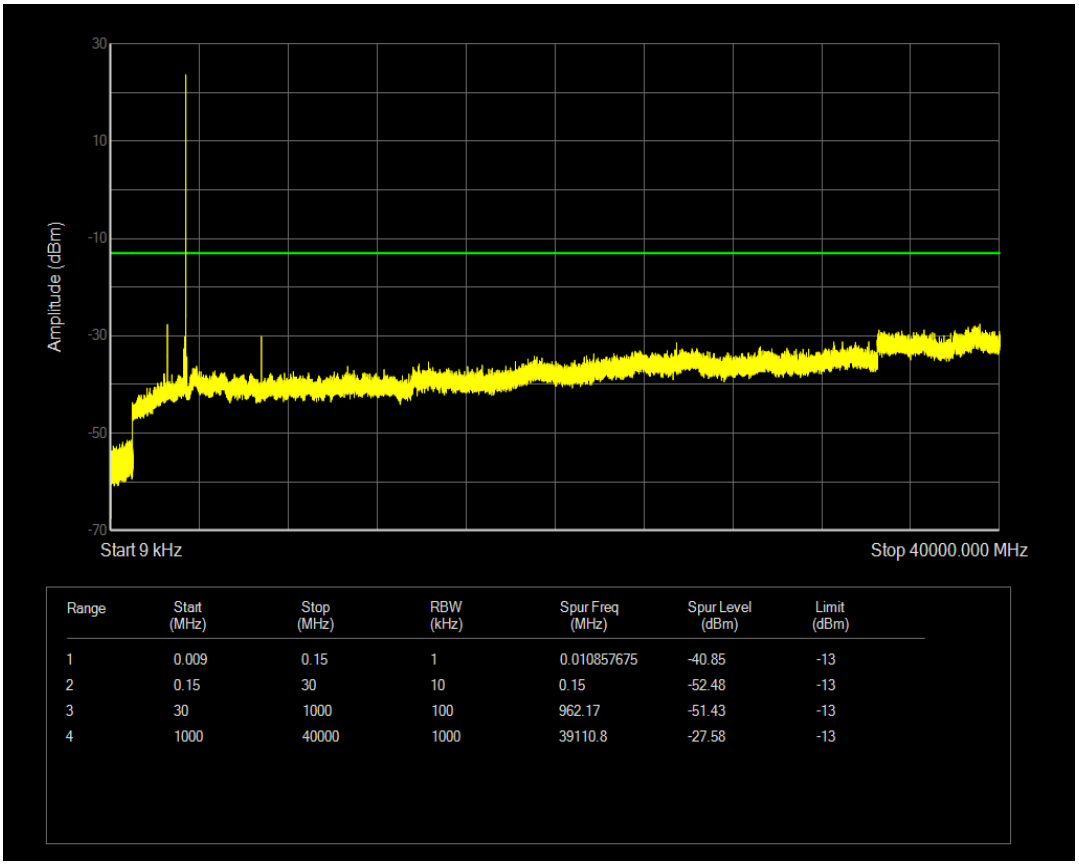
n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=133@0



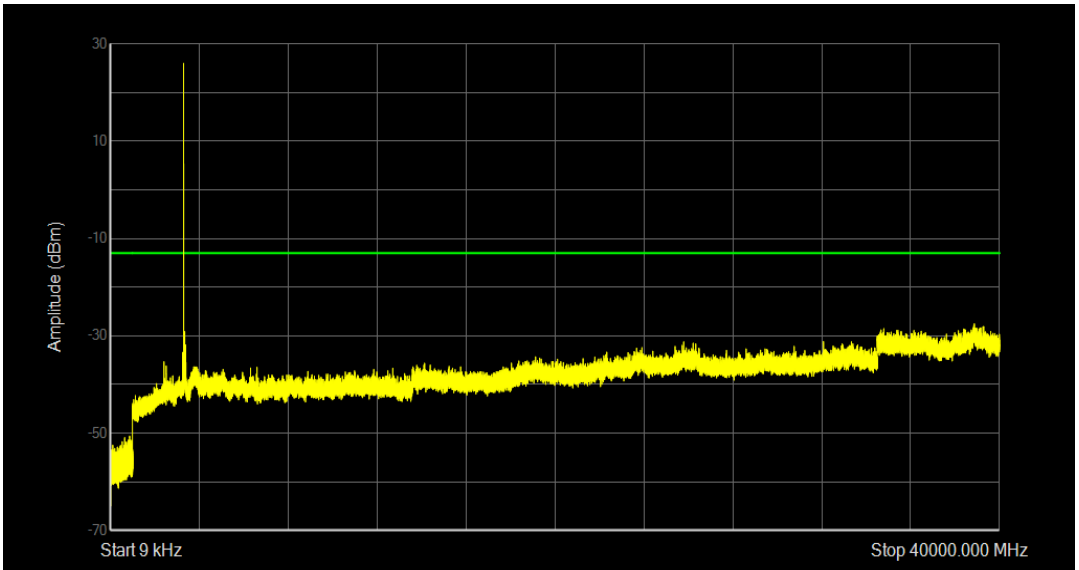
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77	30	10	620334	24@0	CP_QPSK	38853.40	-27.29	-13	PASS
n77	30	10	620334	1@0	CP_QPSK	39168.33	-27.88	-13	PASS
n77	30	10	620334	1@23	CP_QPSK	38792.95	-27.05	-13	PASS
n77	30	10	679666	24@0	CP_QPSK	38886.55	-27.25	-13	PASS
n77	30	10	679666	1@0	CP_QPSK	38807.58	-27.26	-13	PASS
n77	30	10	679666	1@23	CP_QPSK	39046.45	-27.58	-13	PASS
n77	30	50	621668	133@0	CP_QPSK	38898.25	-27.77	-13	PASS
n77	30	50	621668	1@0	CP_QPSK	39300.93	-27.25	-13	PASS
n77	30	50	621668	1@132	CP_QPSK	38574.55	-27.43	-13	PASS
n77	30	50	678332	133@0	CP_QPSK	39043.53	-27.33	-13	PASS
n77	30	50	678332	1@0	CP_QPSK	38779.30	-27.31	-13	PASS
n77	30	50	678332	1@132	CP_QPSK	38832.93	-27.04	-13	PASS
n77	30	100	623334	273@0	CP_QPSK	2577.55	-27.81	-13	PASS
n77	30	100	623334	1@0	CP_QPSK	38864.13	-27.52	-13	PASS
n77	30	100	623334	1@272	CP_QPSK	39110.80	-27.58	-13	PASS
n77	30	100	676666	273@0	CP_QPSK	38891.43	-27.36	-13	PASS
n77	30	100	676666	1@0	CP_QPSK	38861.20	-26.71	-13	PASS
n77	30	100	676666	1@272	CP_QPSK	38907.03	-26.89	-13	PASS

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272

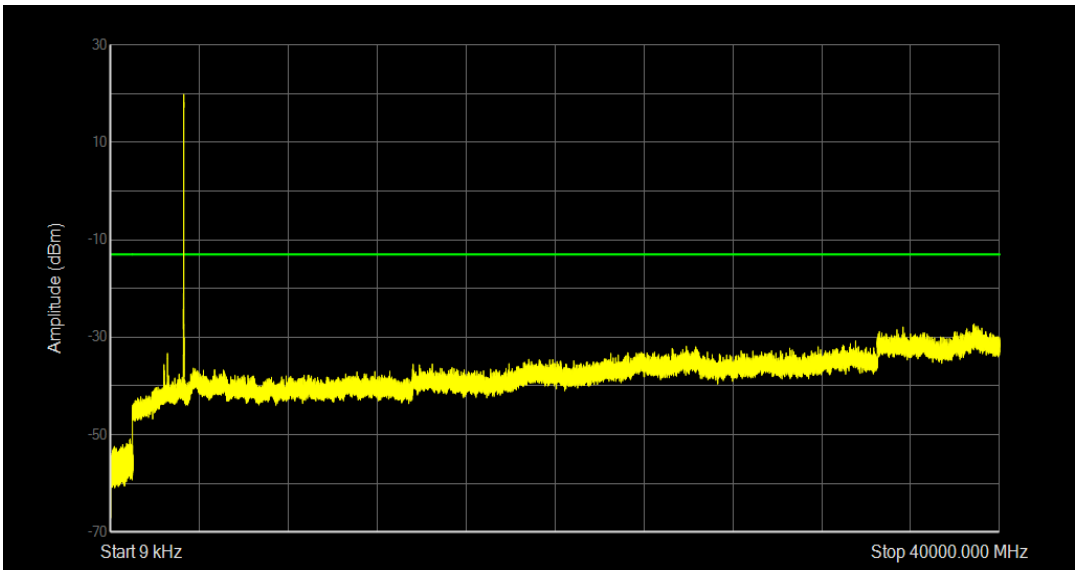


n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0



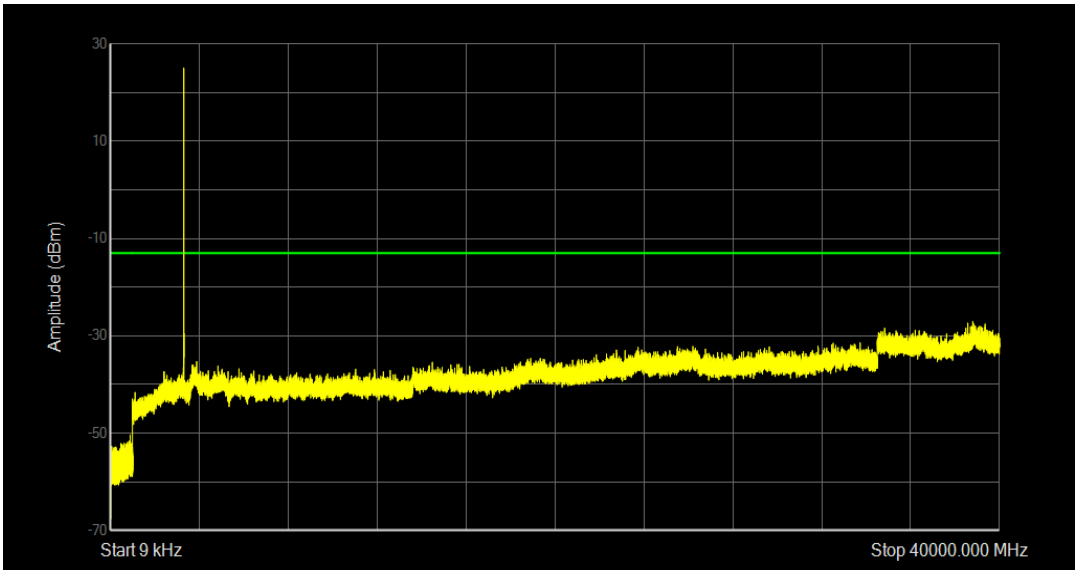
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01398435	-40.38	-13
2	0.15	30	10	0.16268625	-52.21	-13
3	30	1000	100	873.29375	-50.6	-13
4	1000	40000	1000	38864.125	-27.52	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0



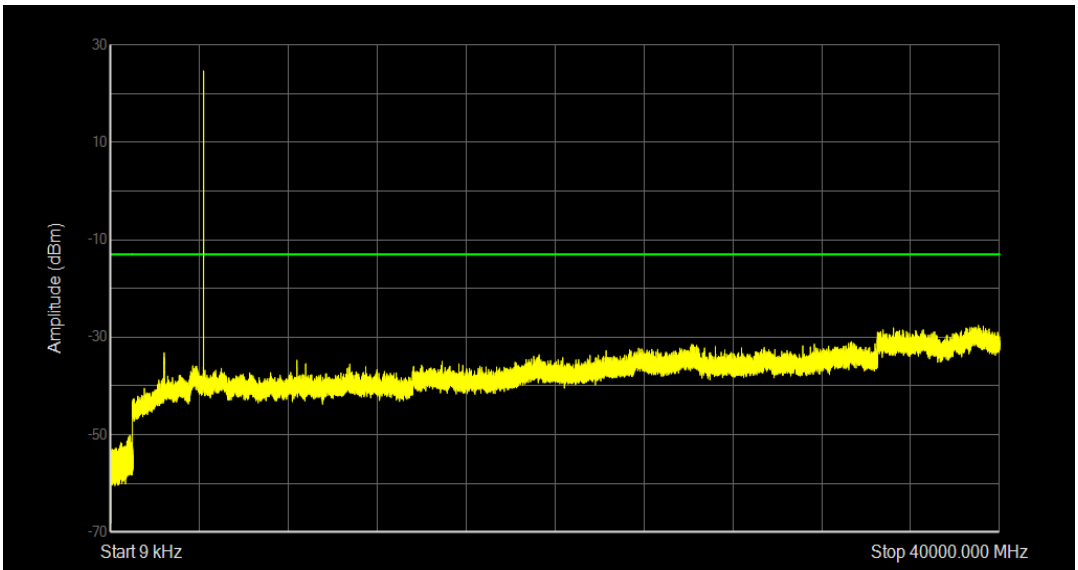
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01212315	-42.31	-13
2	0.15	30	10	0.15074625	-54.21	-13
3	30	1000	100	898.441	-50.88	-13
4	1000	40000	1000	38853.4	-27.29	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@23



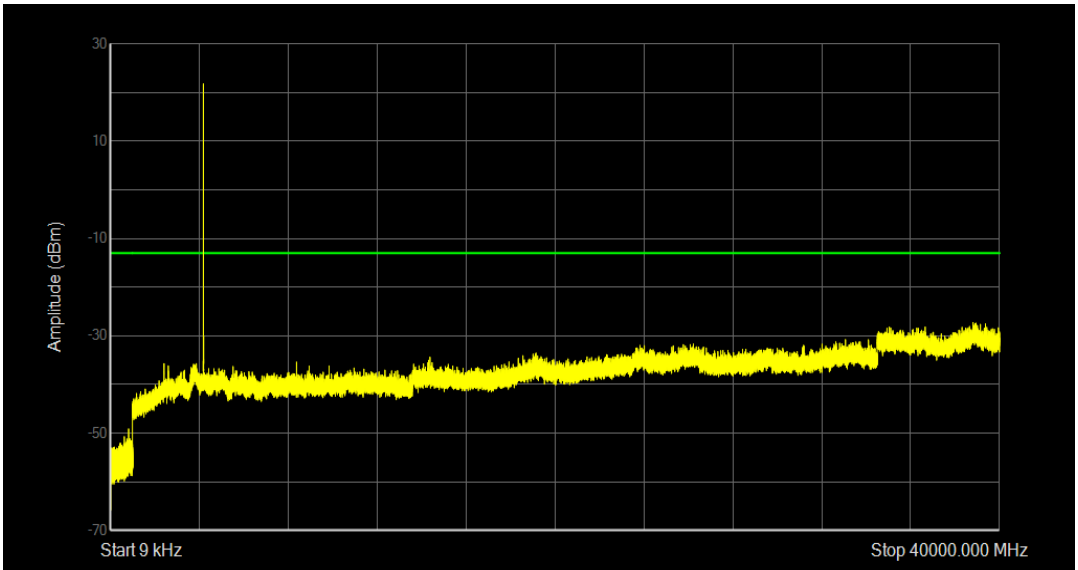
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127506	-42.68	-13
2	0.15	30	10	0.16194	-53.62	-13
3	30	1000	100	898.441	-50.36	-13
4	1000	40000	1000	38792.95	-27.05	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=1@23



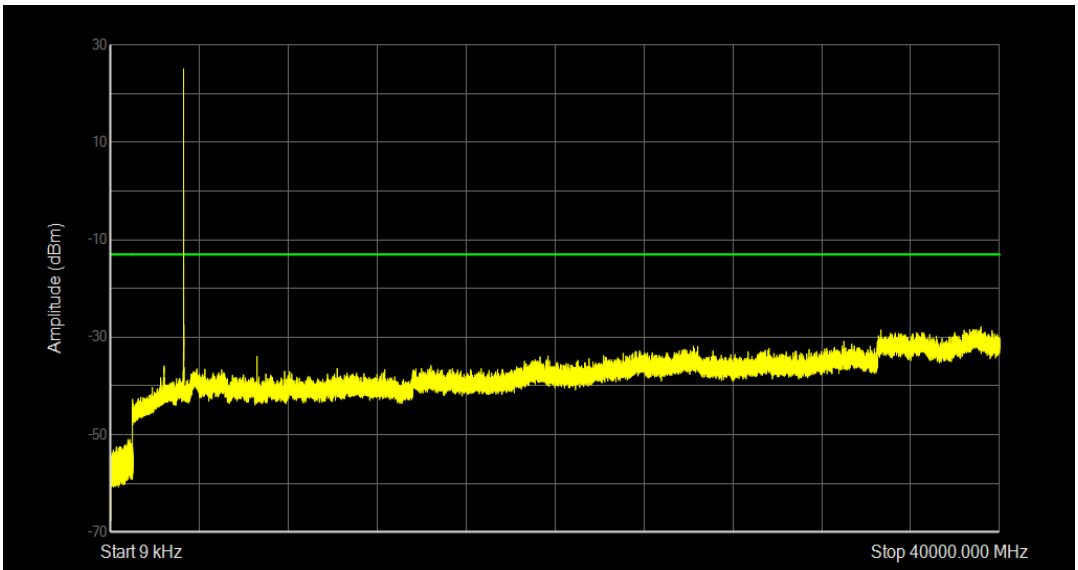
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015468375	-42.16	-13
2	0.15	30	10	0.16716375	-52.91	-13
3	30	1000	100	870.09275	-50.24	-13
4	1000	40000	1000	39046.45	-27.58	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=1@0



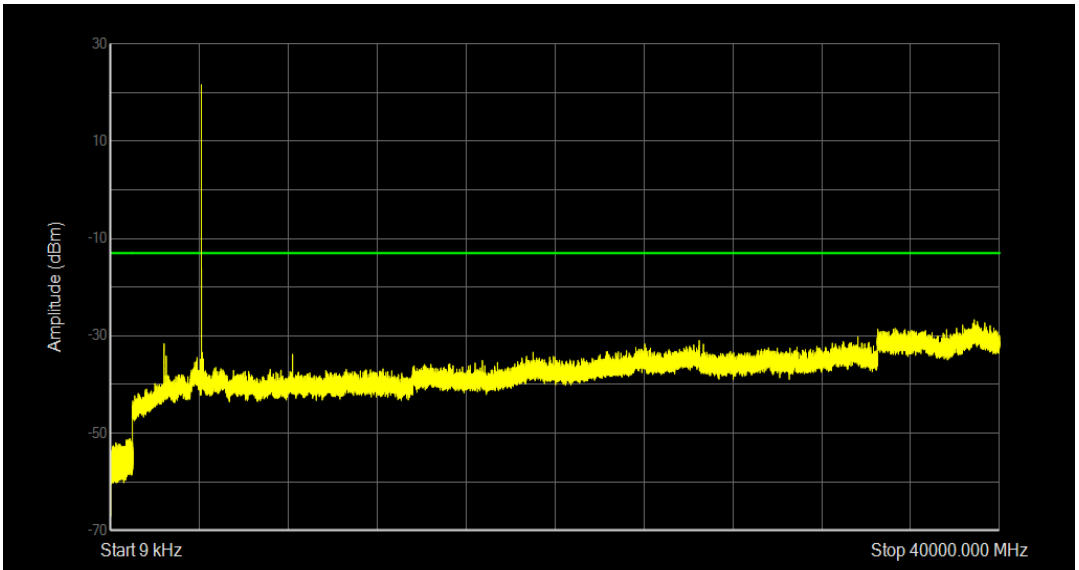
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0149502	-42.68	-13
2	0.15	30	10	0.16567125	-52.54	-13
3	30	1000	100	827.0975	-49.15	-13
4	1000	40000	1000	38807.575	-27.26	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@0



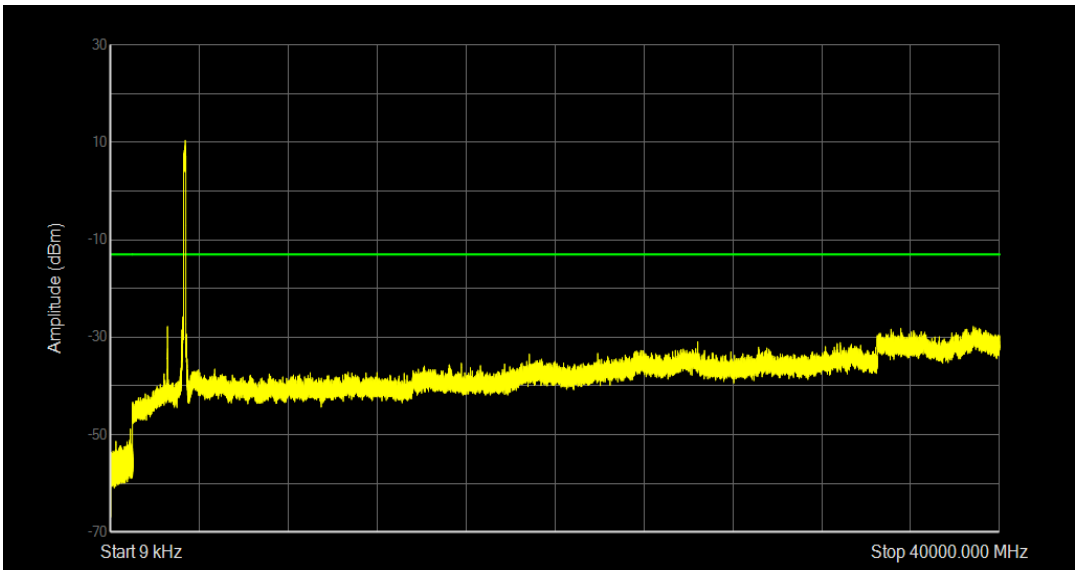
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0121161	-42.15	-13
2	0.15	30	10	0.16417875	-54.4	-13
3	30	1000	100	889.97775	-50.98	-13
4	1000	40000	1000	39168.325	-27.88	-13

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=1@0



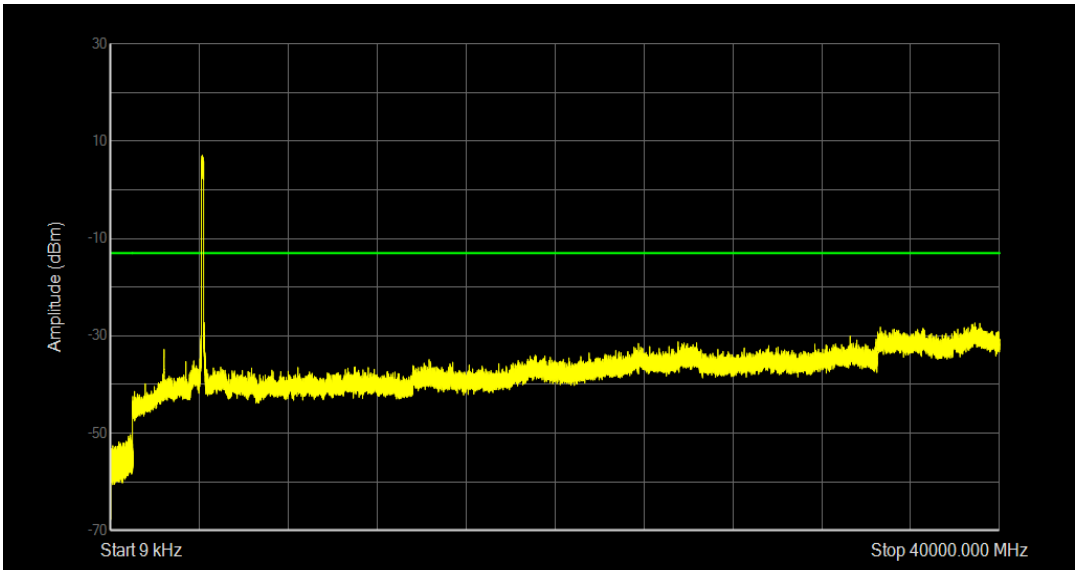
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009468825	-41.52	-13
2	0.15	30	10	0.1634325	-52.97	-13
3	30	1000	100	881.58725	-51.21	-13
4	1000	40000	1000	38861.2	-26.71	-13

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0



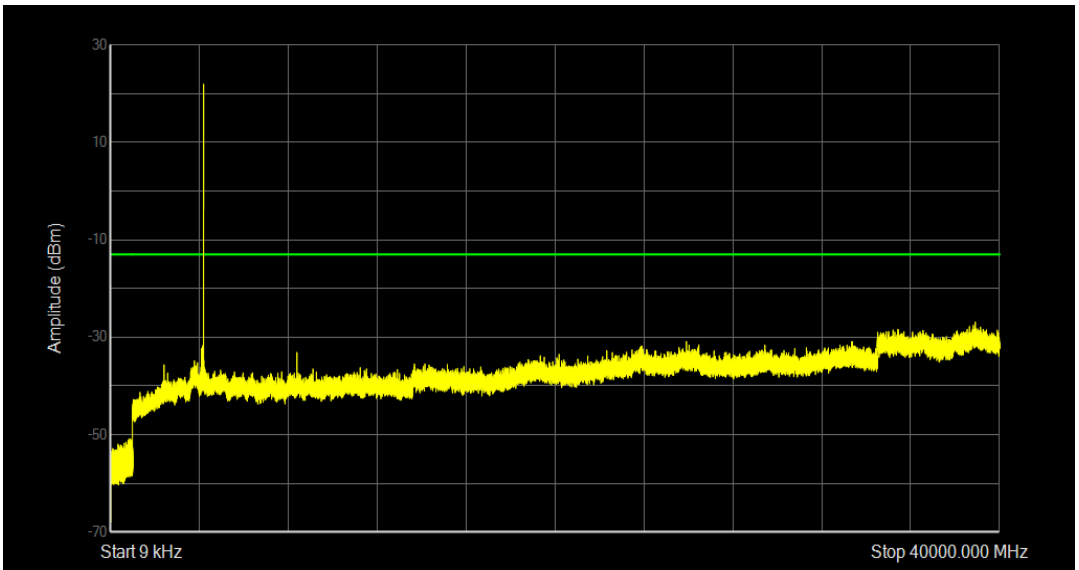
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010420575	-42.47	-13
2	0.15	30	10	0.1783575	-53.41	-13
3	30	1000	100	909.4505	-48.82	-13
4	1000	40000	1000	2577.55	-27.81	-13

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=273@0



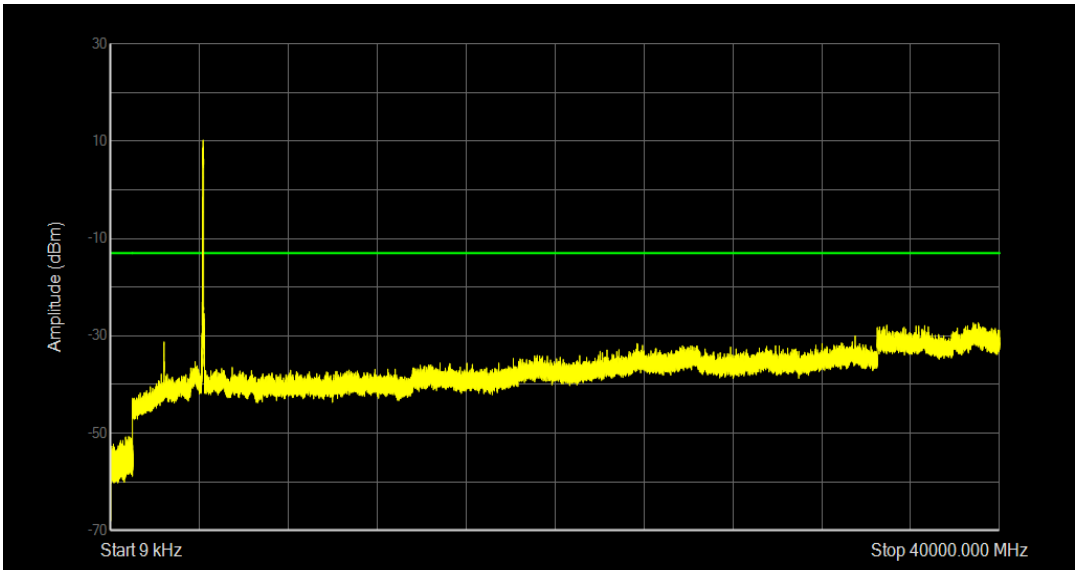
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009856575	-40.92	-13
2	0.15	30	10	0.1514925	-53.1	-13
3	30	1000	100	912.14225	-50.34	-13
4	1000	40000	1000	38891.425	-27.36	-13

n77 SCS=30kHz CP_QPSK BW=100MHz Channel=676666 RB=1@272



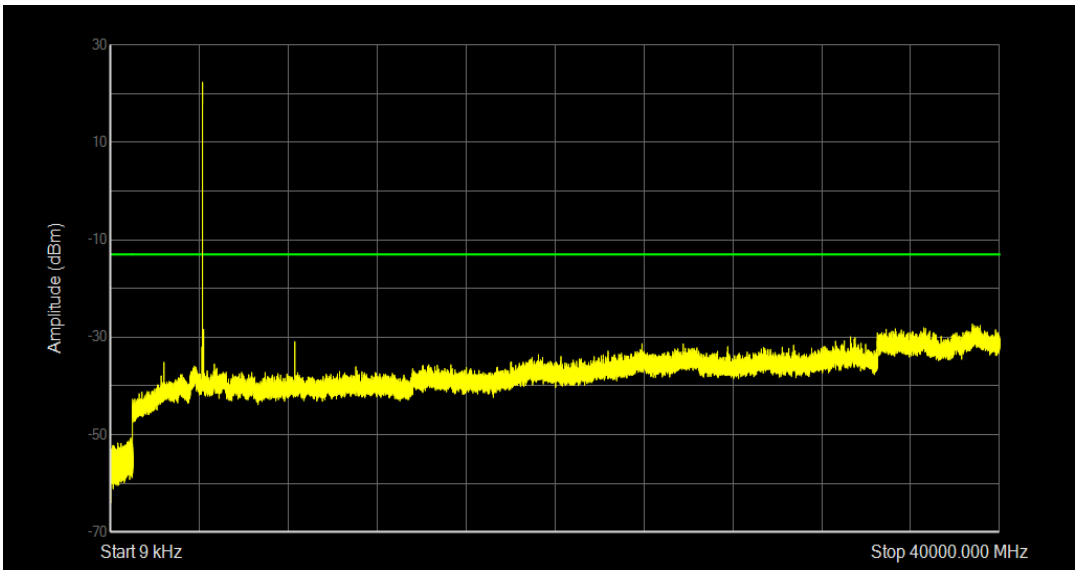
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01123485	-40.75	-13
2	0.15	30	10	0.1514925	-52.72	-13
3	30	1000	100	876.422	-50.82	-13
4	1000	40000	1000	38907.025	-26.89	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=133@0



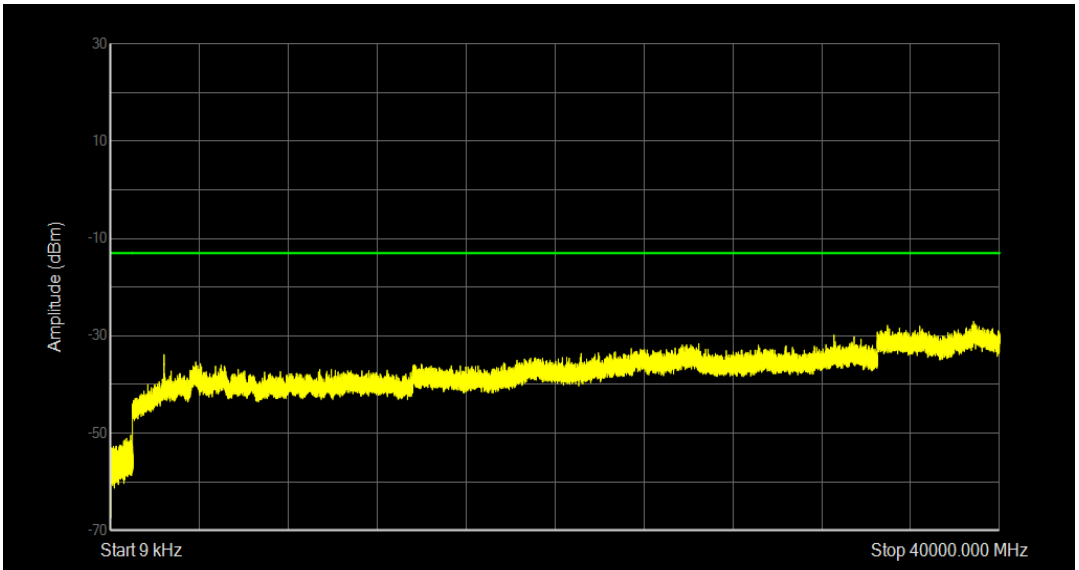
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01006455	-42.57	-13
2	0.15	30	10	0.15970125	-53.45	-13
3	30	1000	100	830.25	-50.73	-13
4	1000	40000	1000	39043.525	-27.33	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=1@0



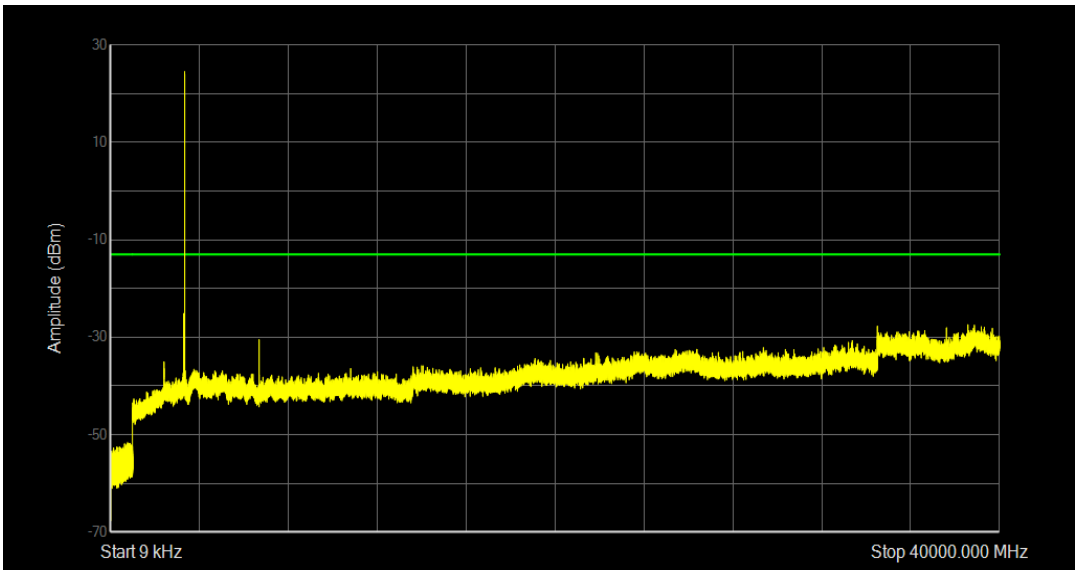
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011858775	-40.85	-13
2	0.15	30	10	0.1604475	-52.92	-13
3	30	1000	100	928.09875	-50.69	-13
4	1000	40000	1000	38779.3	-27.31	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=678332 RB=1@132



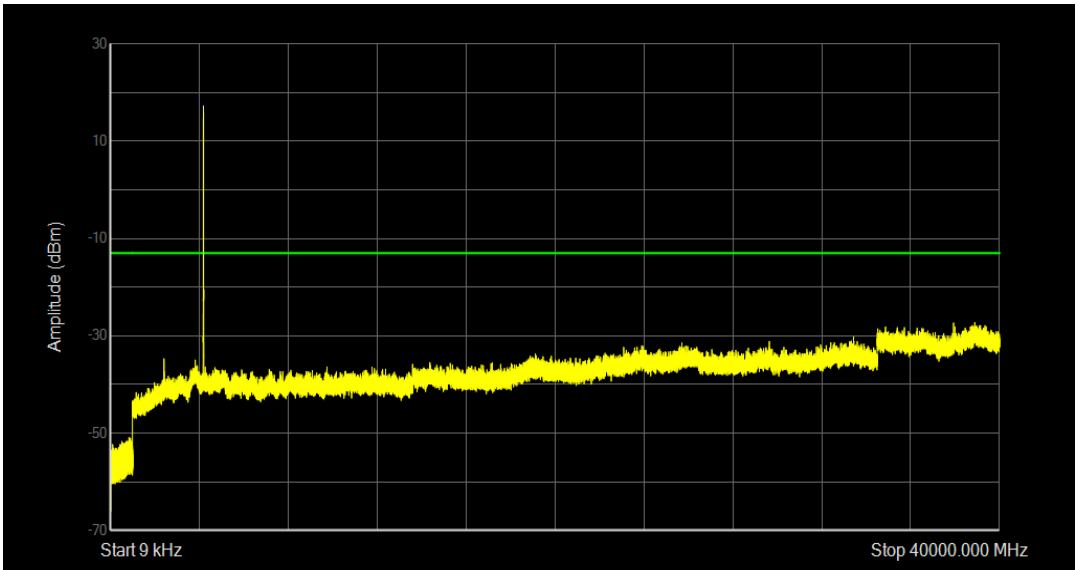
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013036125	-41.13	-13
2	0.15	30	10	0.15	-52.35	-13
3	30	1000	100	922.7395	-50.41	-13
4	1000	40000	1000	38832.925	-27.04	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@132



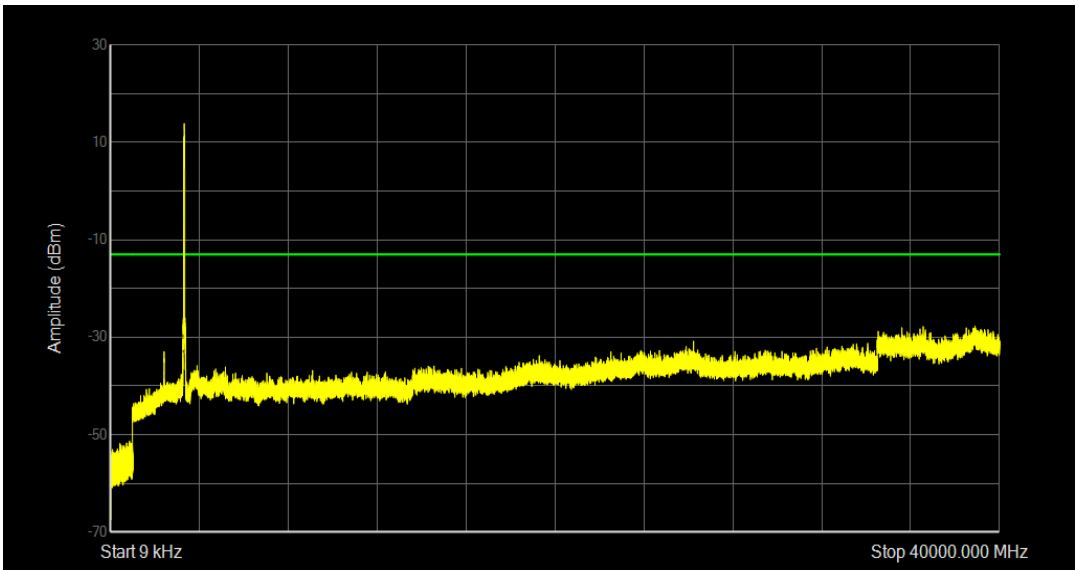
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011231325	-41.24	-13
2	0.15	30	10	0.17462625	-52.89	-13
3	30	1000	100	782.235	-51.65	-13
4	1000	40000	1000	38574.55	-27.43	-13

n77 SCS=30kHz CP_QPSK BW=10MHz Channel=679666 RB=24@0



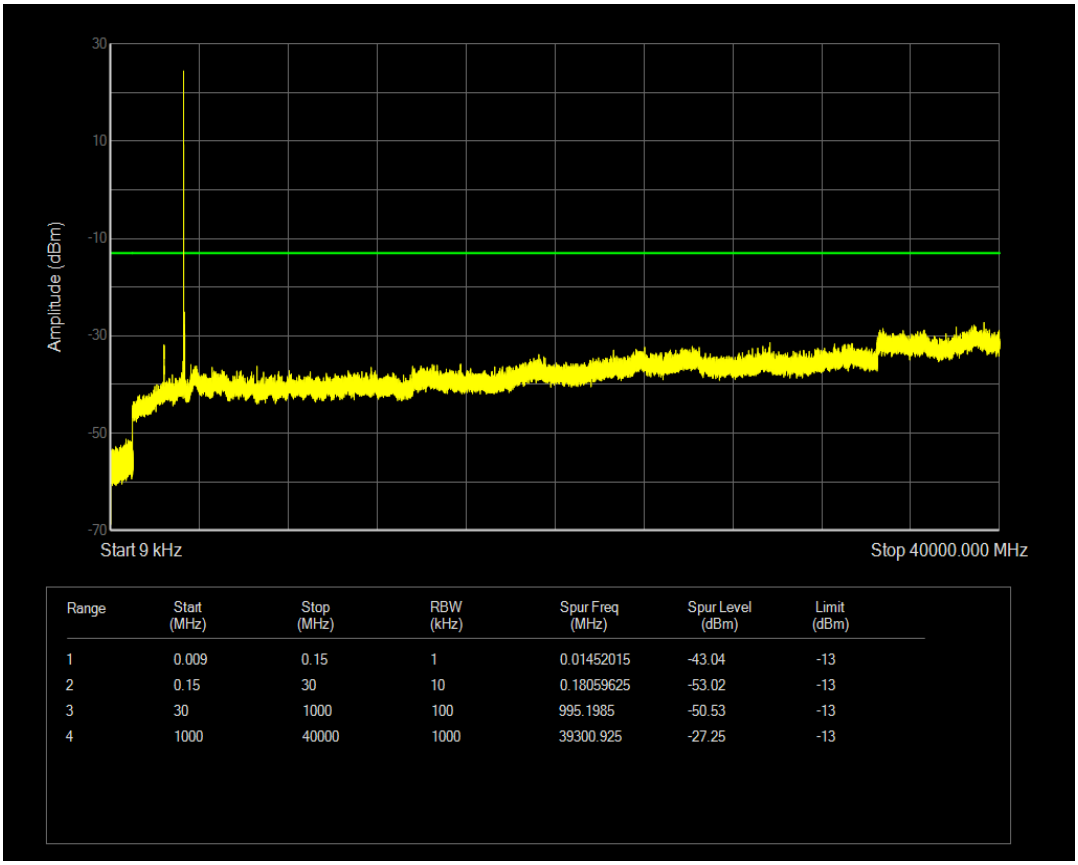
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01133355	-41.93	-13
2	0.15	30	10	0.15522375	-52.21	-13
3	30	1000	100	846.23075	-50.91	-13
4	1000	40000	1000	38886.55	-27.25	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=133@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009846	-42.39	-13
2	0.15	30	10	0.1514925	-53.15	-13
3	30	1000	100	866.6735	-51.36	-13
4	1000	40000	1000	38898.25	-27.77	-13

n77 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01452015	-43.04	-13
2	0.15	30	10	0.18059625	-53.02	-13
3	30	1000	100	995.1985	-50.53	-13
4	1000	40000	1000	39300.925	-27.25	-13