n78(3450-3550) SCS=30kHz DFT_QAM256 BW=50MHz Channel=633334 RB=128@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=633334 RB=180@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=60MHz Channel=633334 RB=162@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=80MHz Channel=633334 RB=216@0

n78(3450-3550) SCS=30kHz DFT_QAM256 BW=90MHz Channel=633334 RB=240@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=633334 RB=24@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=100MHz Channel=633334 RB=270@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=20MHz Channel=633334 RB=50@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=633334 RB=36@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=40MHz Channel=633334 RB=100@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=633334 RB=75@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=60MHz Channel=633334 RB=162@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=50MHz Channel=633334 RB=128@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0

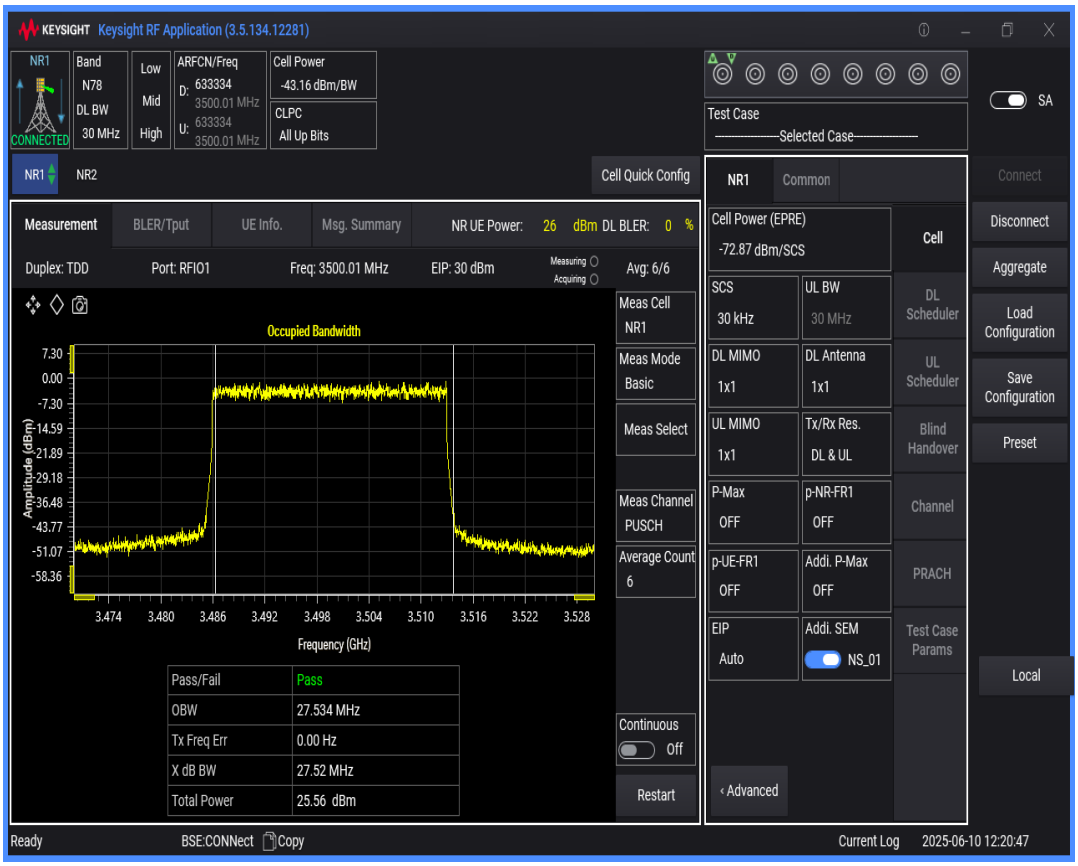
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=633334 RB=180@0

n78(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633334 RB=240@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 RB=24@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=100MHz Channel=633334 RB=270@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=633334 RB=50@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0

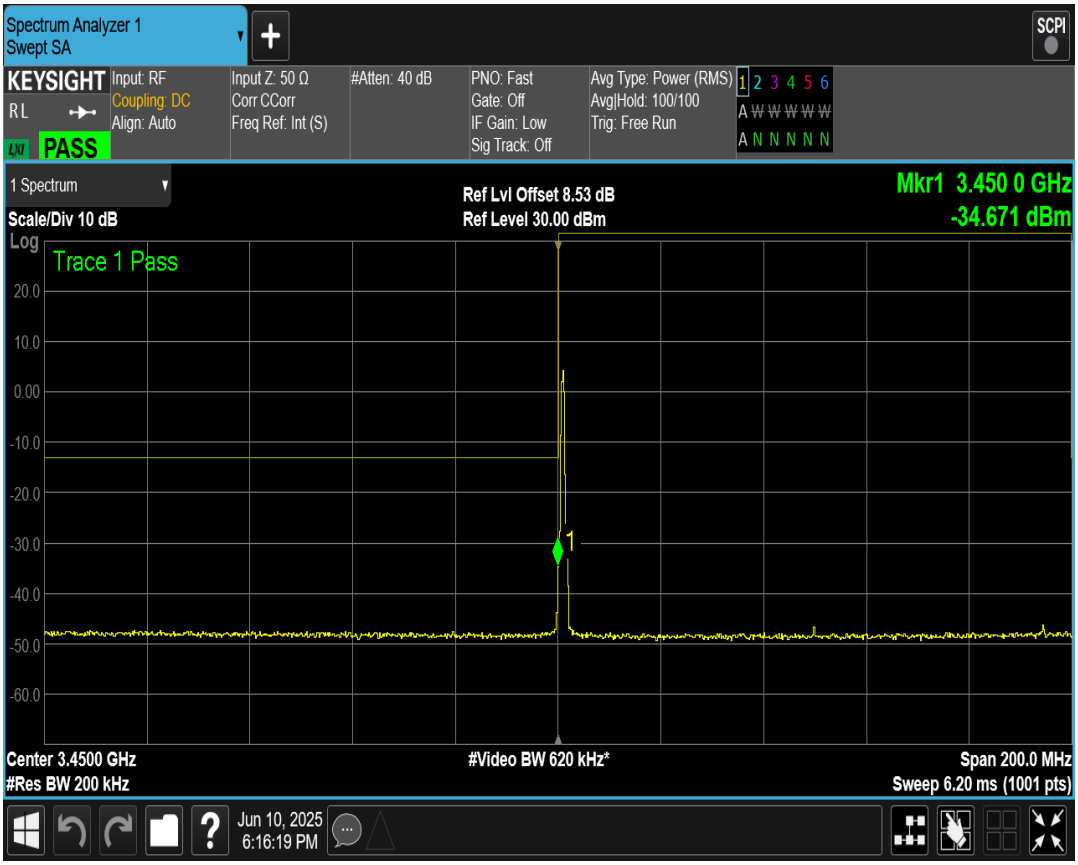
n78(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0

n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0

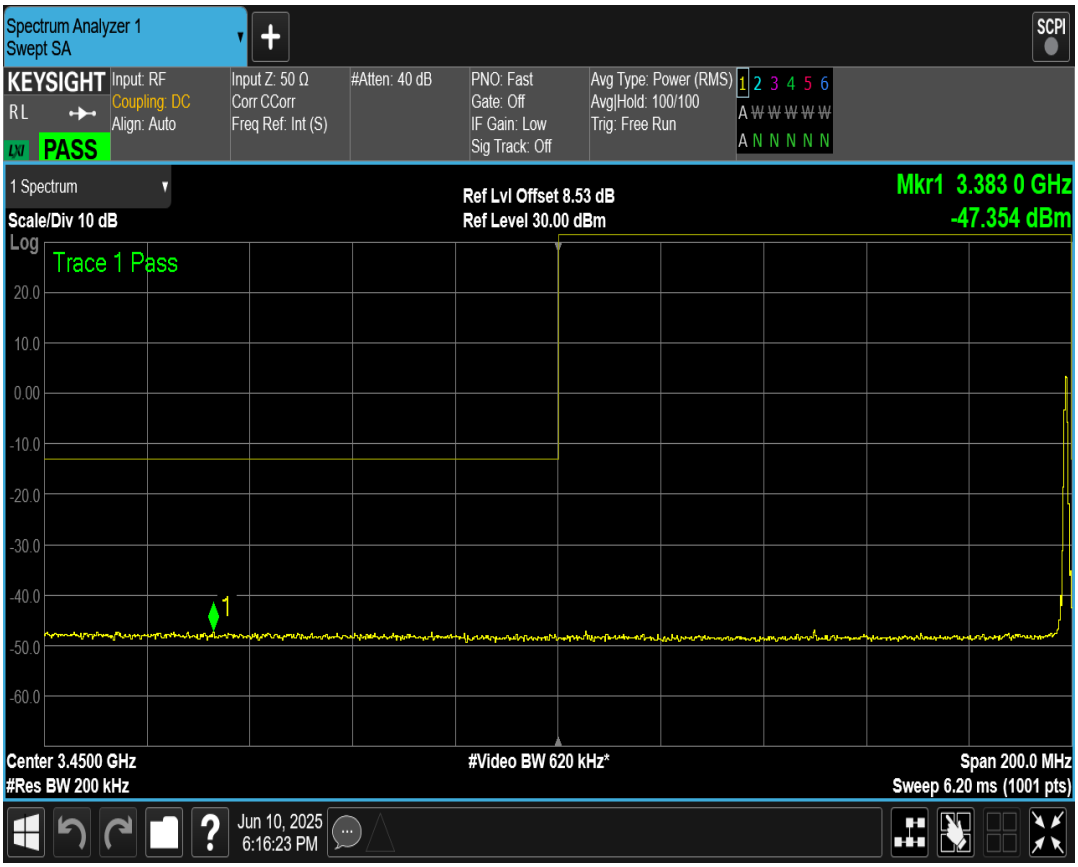
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	10	630334	24@0	CP_QPSK	3449.86	-49.28	-13	PASS
n78(3450-3550)	30	10	630334	1@0	CP_QPSK	3450.00	-38.35	-13	PASS
n78(3450-3550)	30	10	630334	1@23	CP_QPSK	3444.52	-47.30	-13	PASS
n78(3450-3550)	30	10	636332	24@0	CP_QPSK	3550.38	-47.34	-13	PASS
n78(3450-3550)	30	10	636332	1@0	CP_QPSK	3550.22	-46.86	-13	PASS
n78(3450-3550)	30	10	636332	1@23	CP_QPSK	3550.02	-43.41	-13	PASS
n78(3450-3550)	30	50	631668	133@0	CP_QPSK	3436.20	-43.13	-13	PASS
n78(3450-3550)	30	50	631668	1@0	CP_QPSK	3450.00	-37.59	-13	PASS
n78(3450-3550)	30	50	631668	1@132	CP_QPSK	3404.30	-47.46	-13	PASS
n78(3450-3550)	30	50	635000	133@0	CP_QPSK	3552.10	-42.80	-13	PASS
n78(3450-3550)	30	50	635000	1@0	CP_QPSK	3591.90	-46.96	-13	PASS
n78(3450-3550)	30	50	635000	1@132	CP_QPSK	3550.00	-43.46	-13	PASS
n78(3450-3550)	30	100	633334	273@0	CP_QPSK	3450.00	-33.08	-13	PASS
n78(3450-3550)	30	100	633334	1@0	CP_QPSK	3450.00	-34.67	-13	PASS
n78(3450-3550)	30	100	633334	1@272	CP_QPSK	3383.00	-47.35	-13	PASS

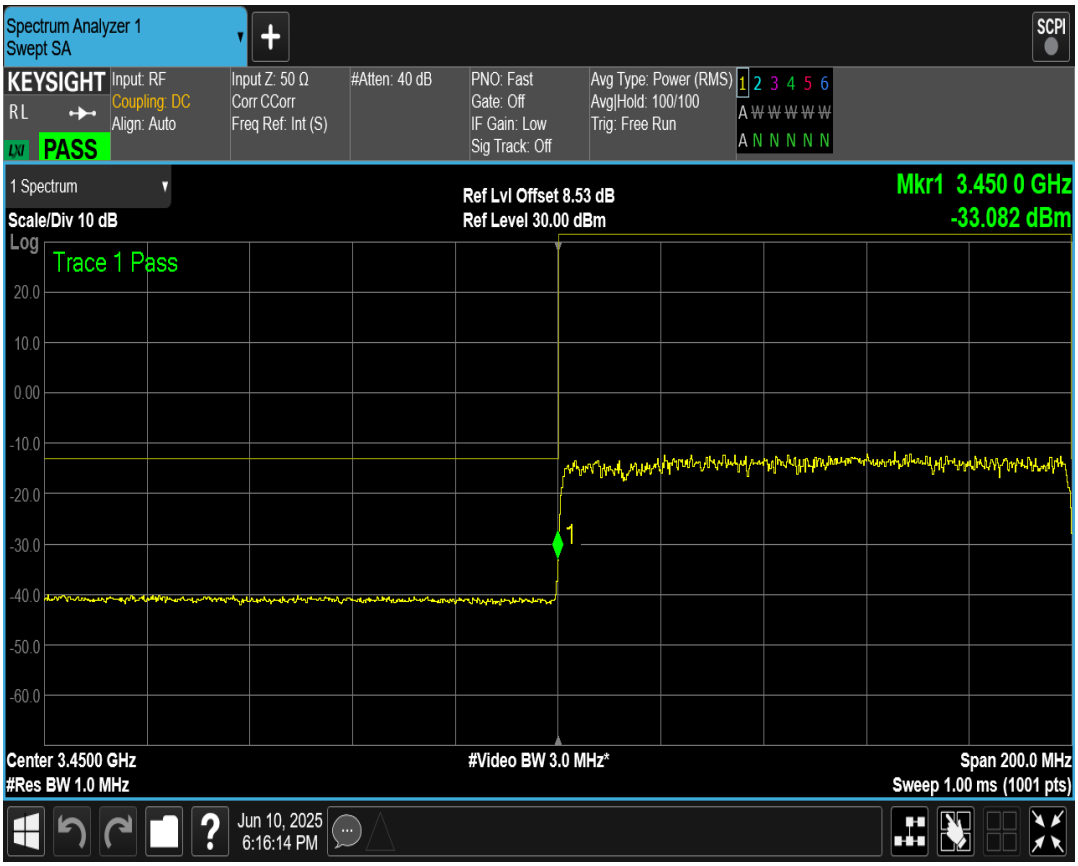
n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@0



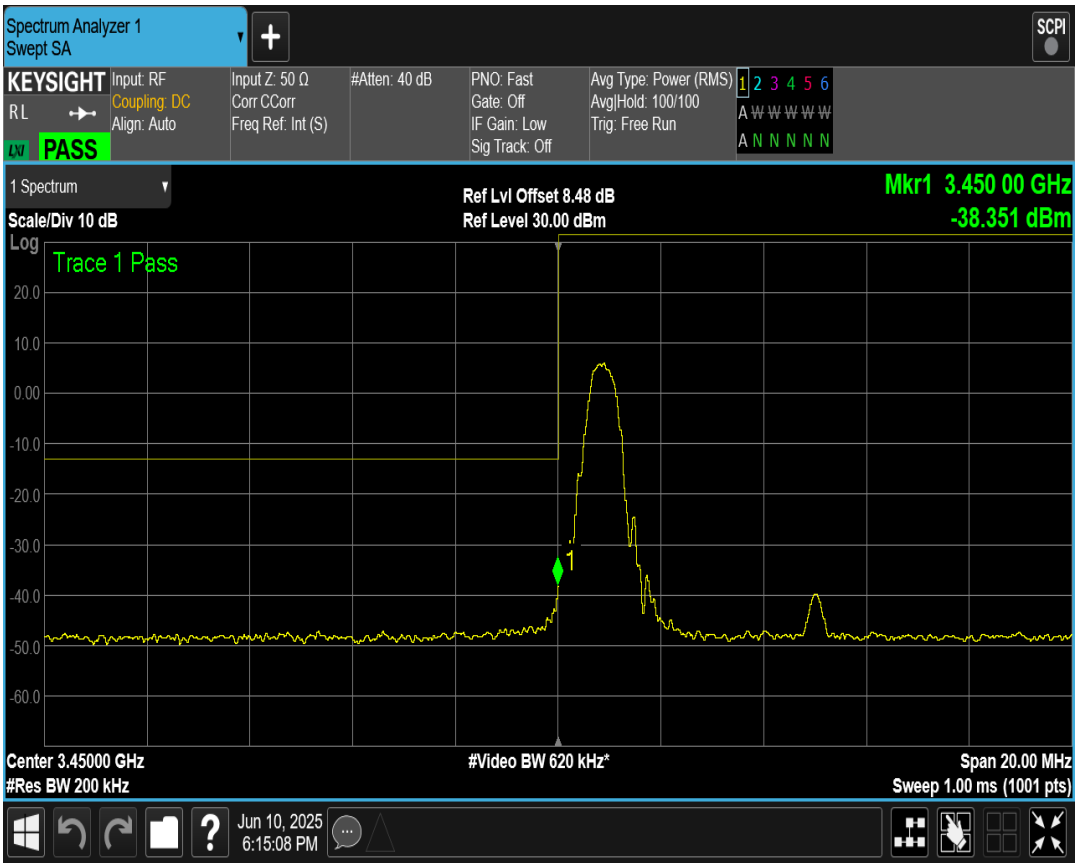
n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@272



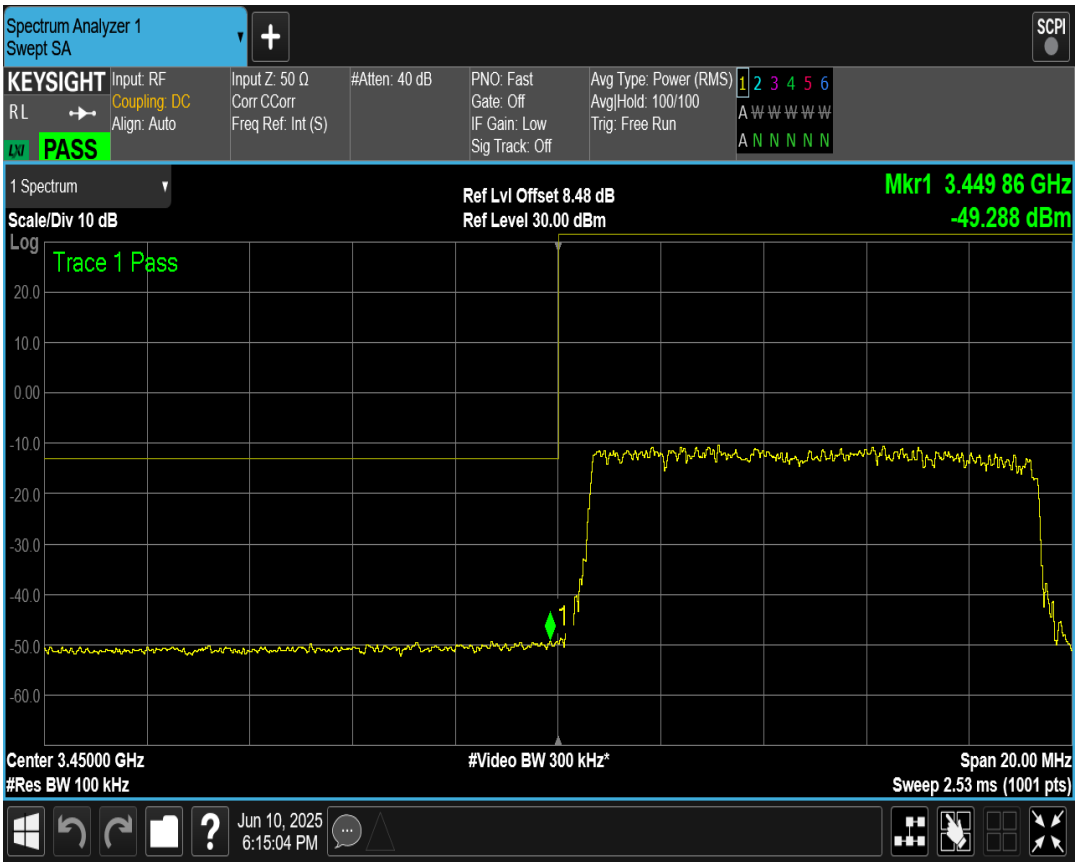
n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



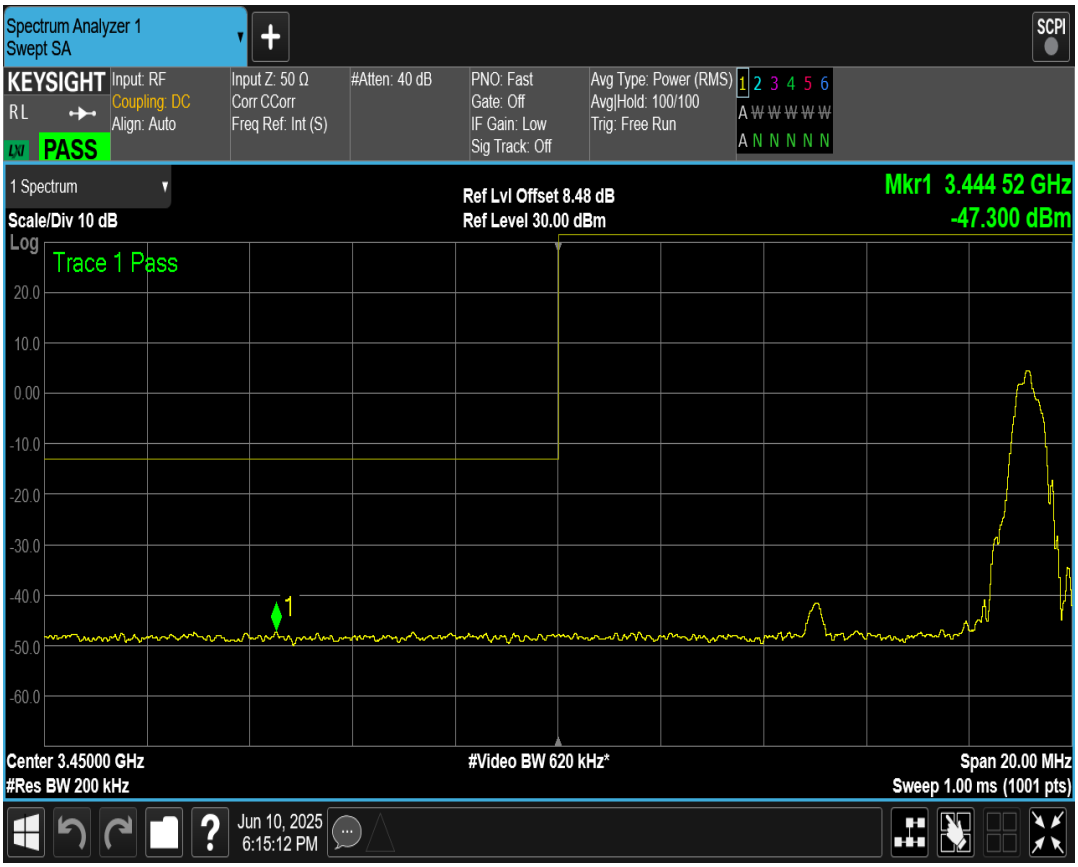
n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@0



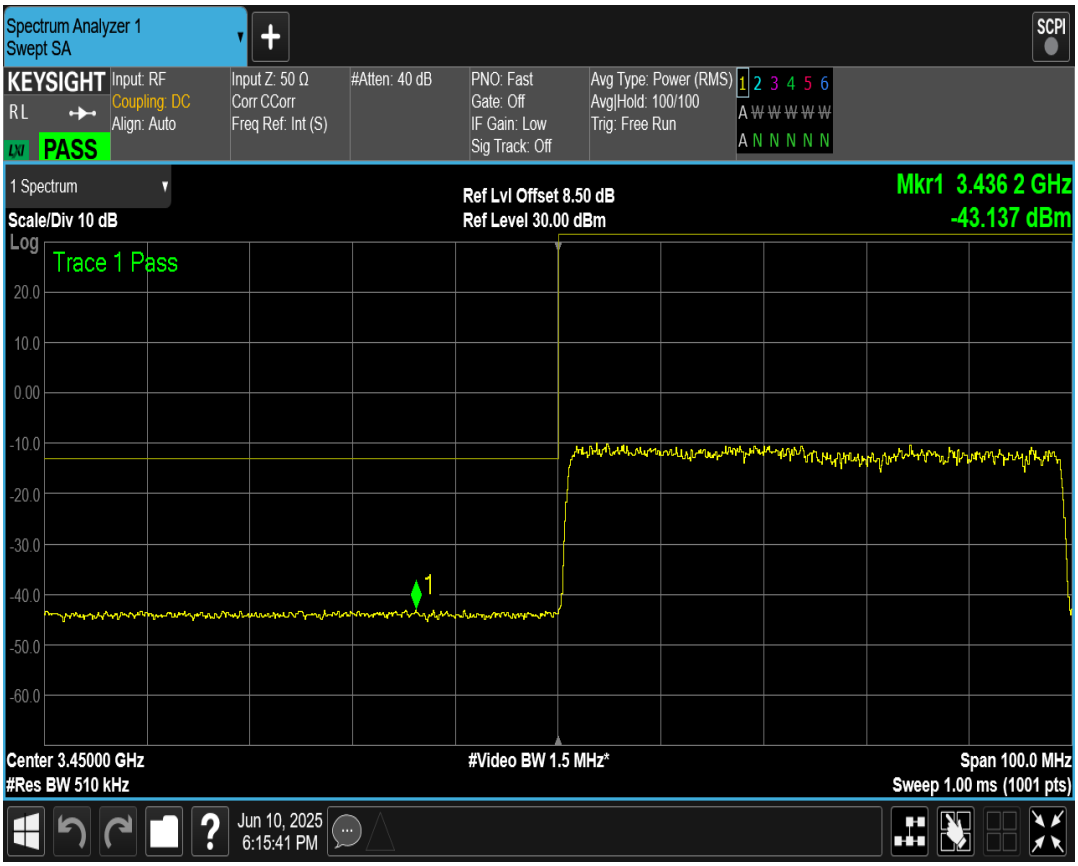
n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=24@0



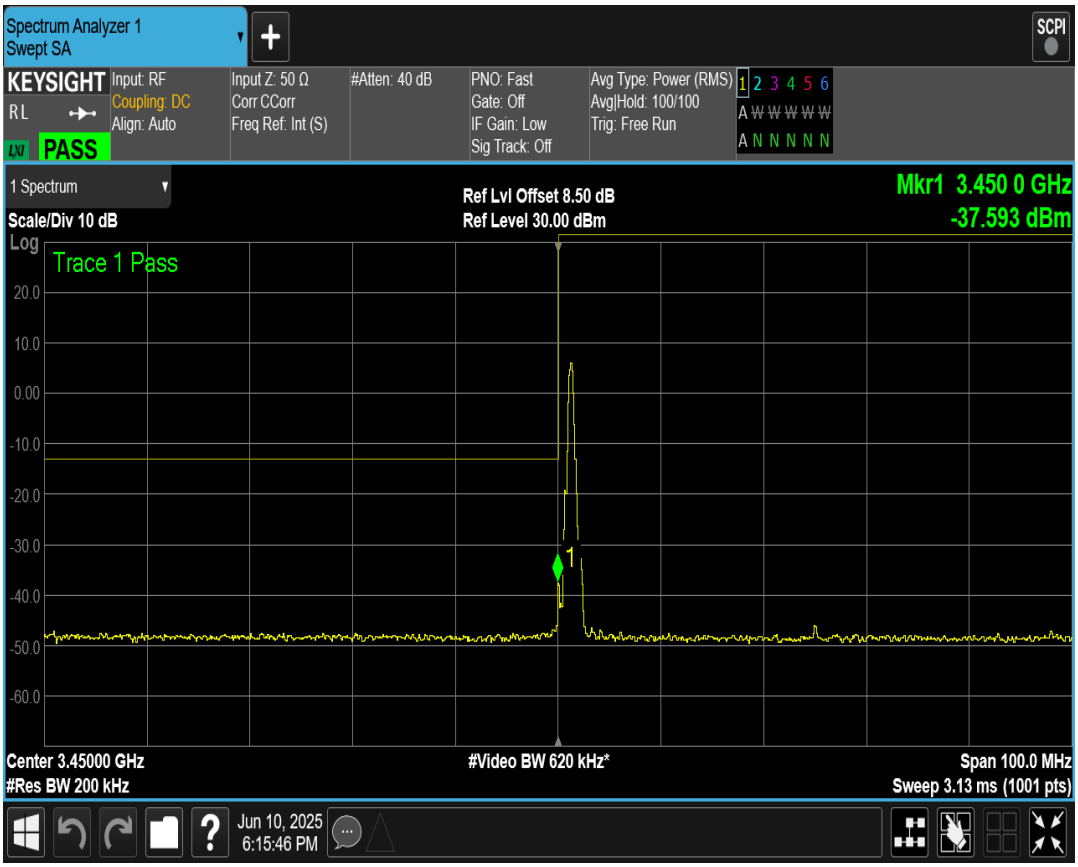
n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@23



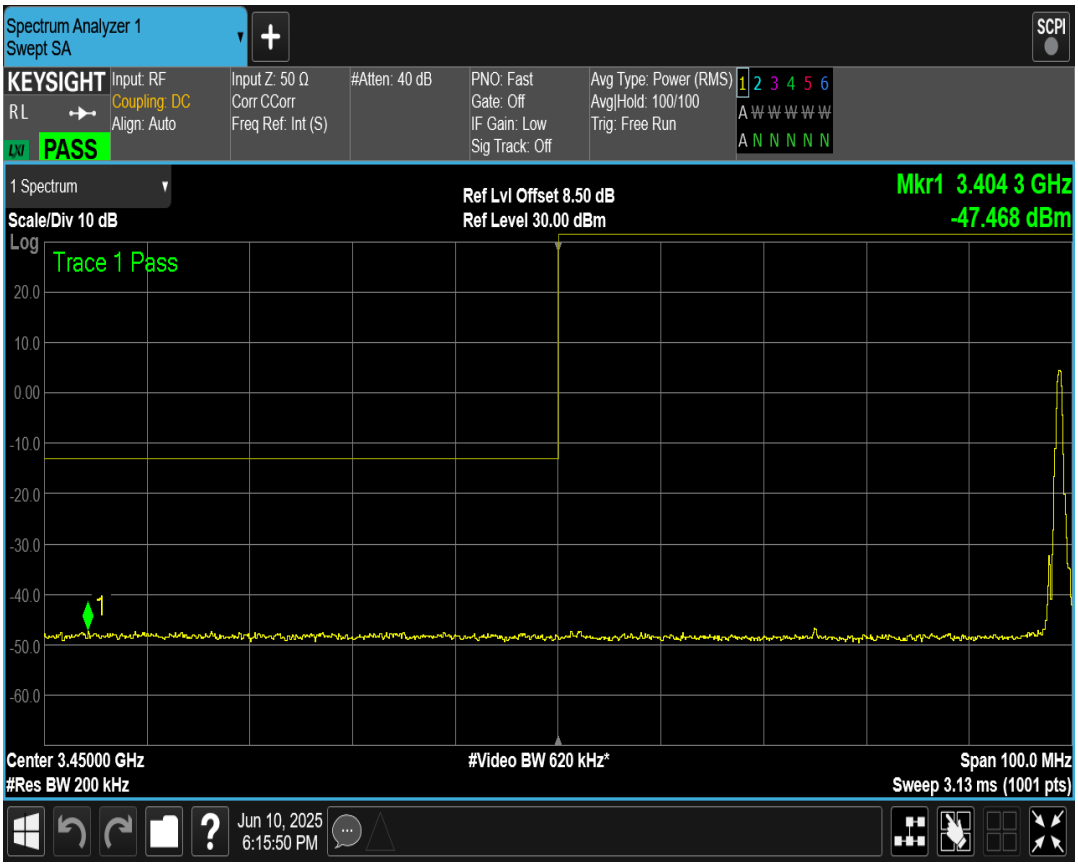
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=133@0



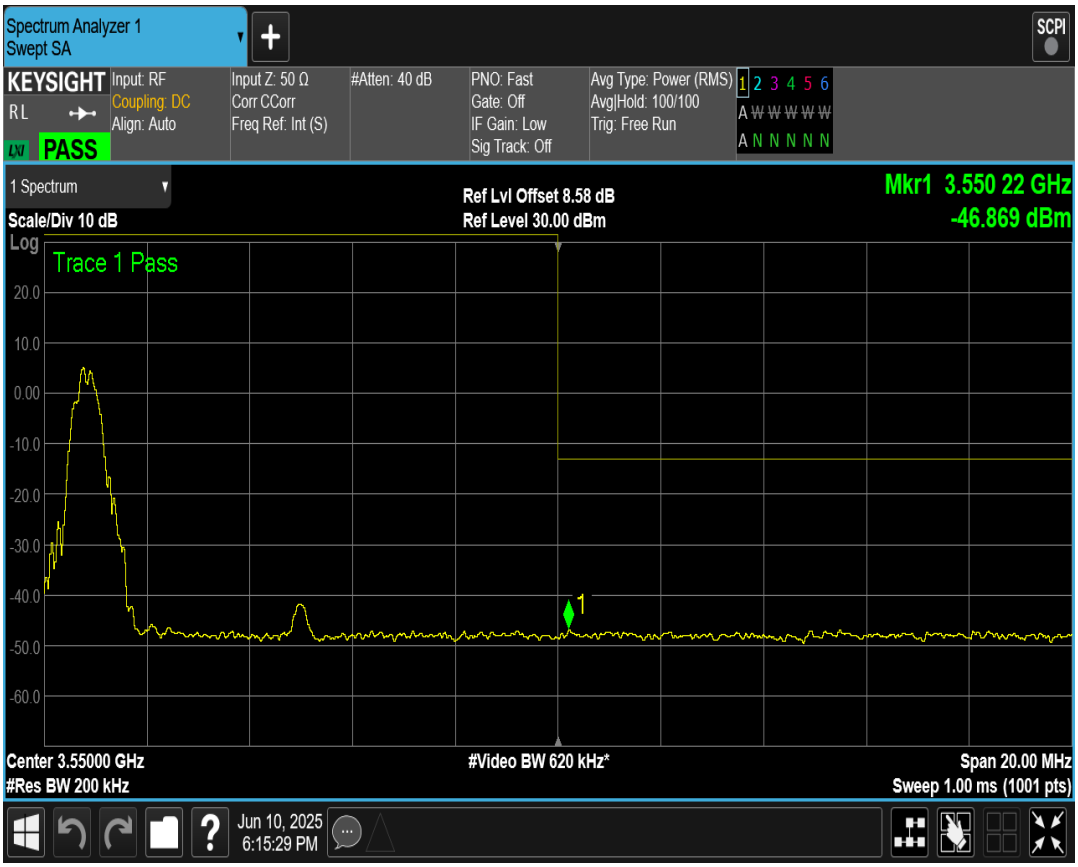
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@0



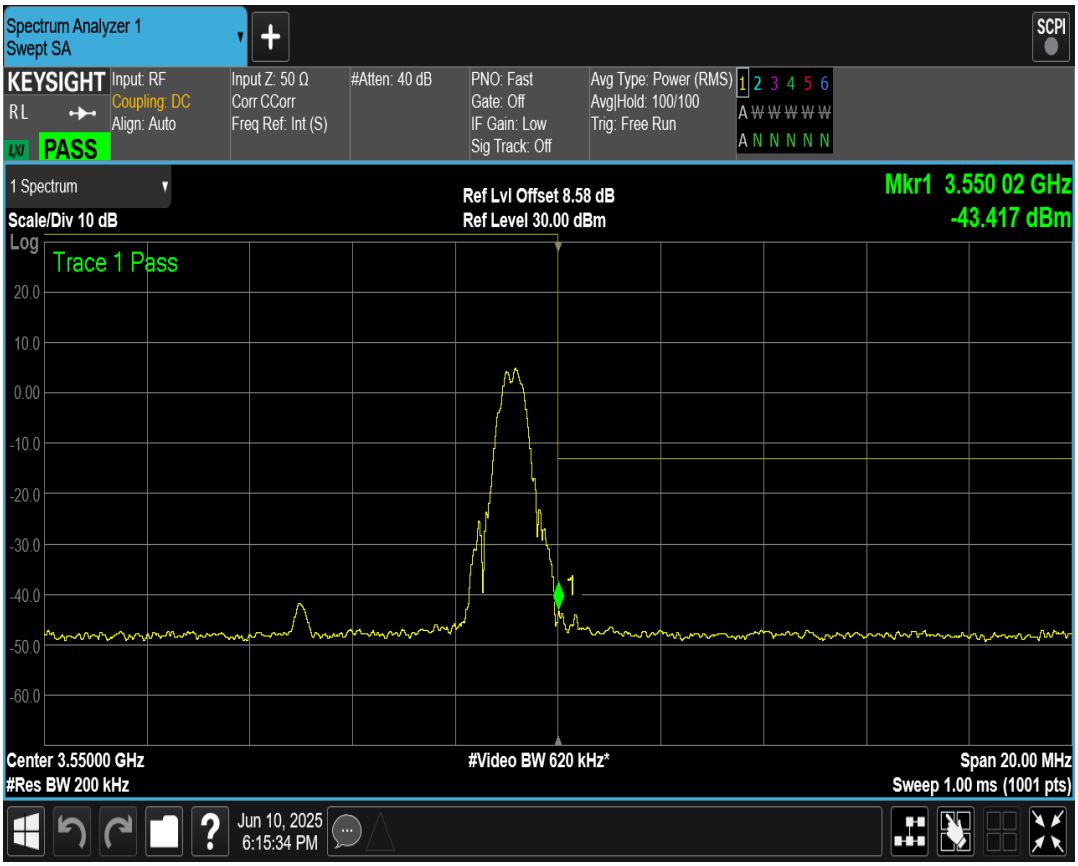
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@132



n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@0

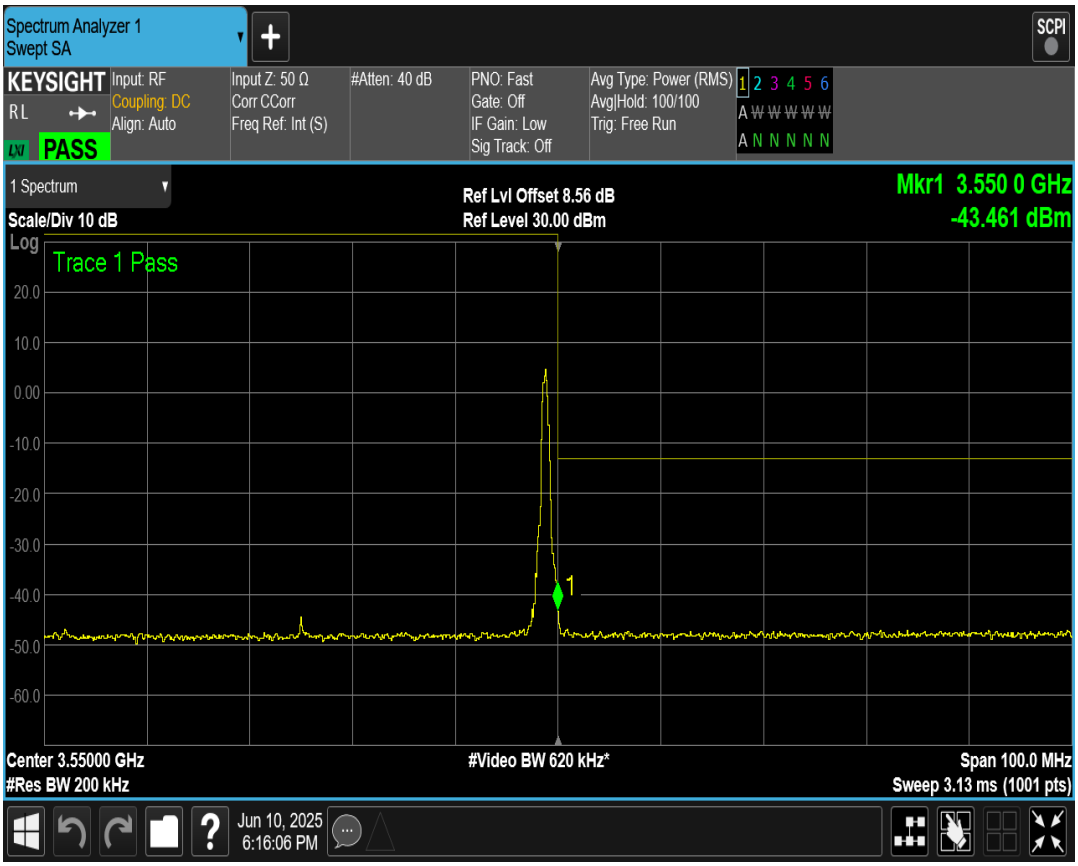


n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@23

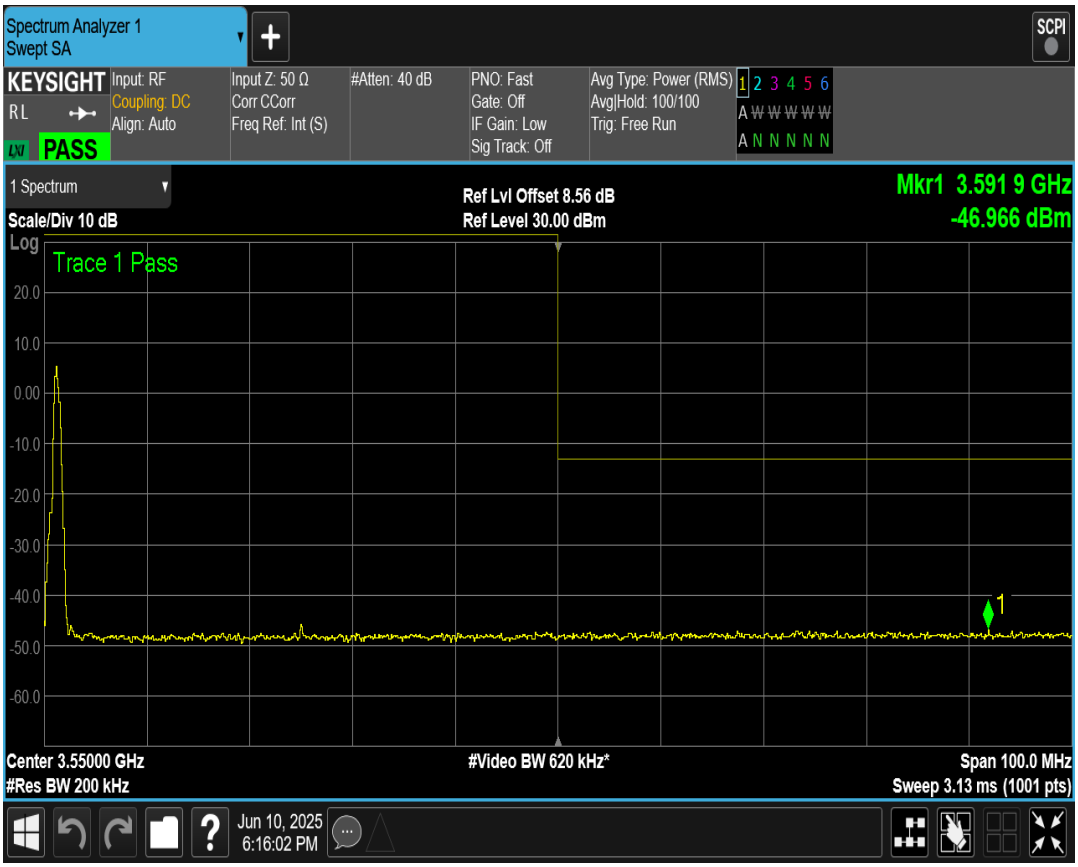


n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=24@0

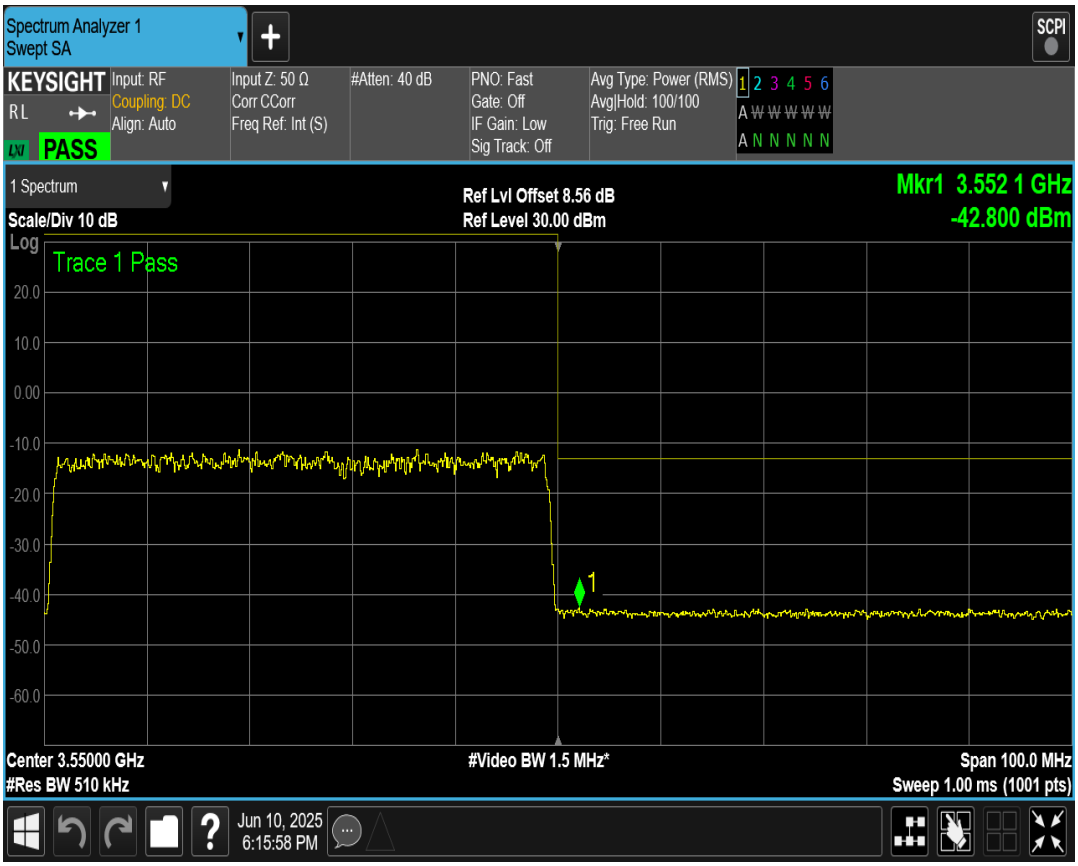
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1@132



n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1@0



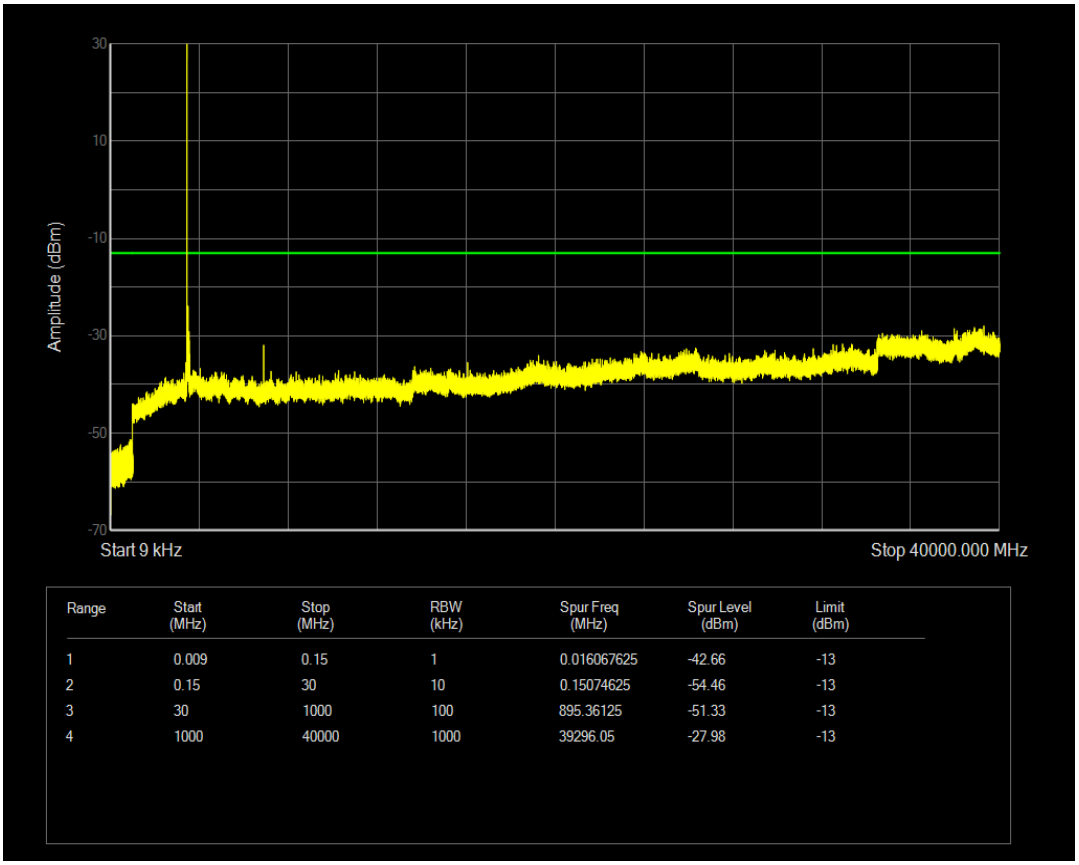
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133@0



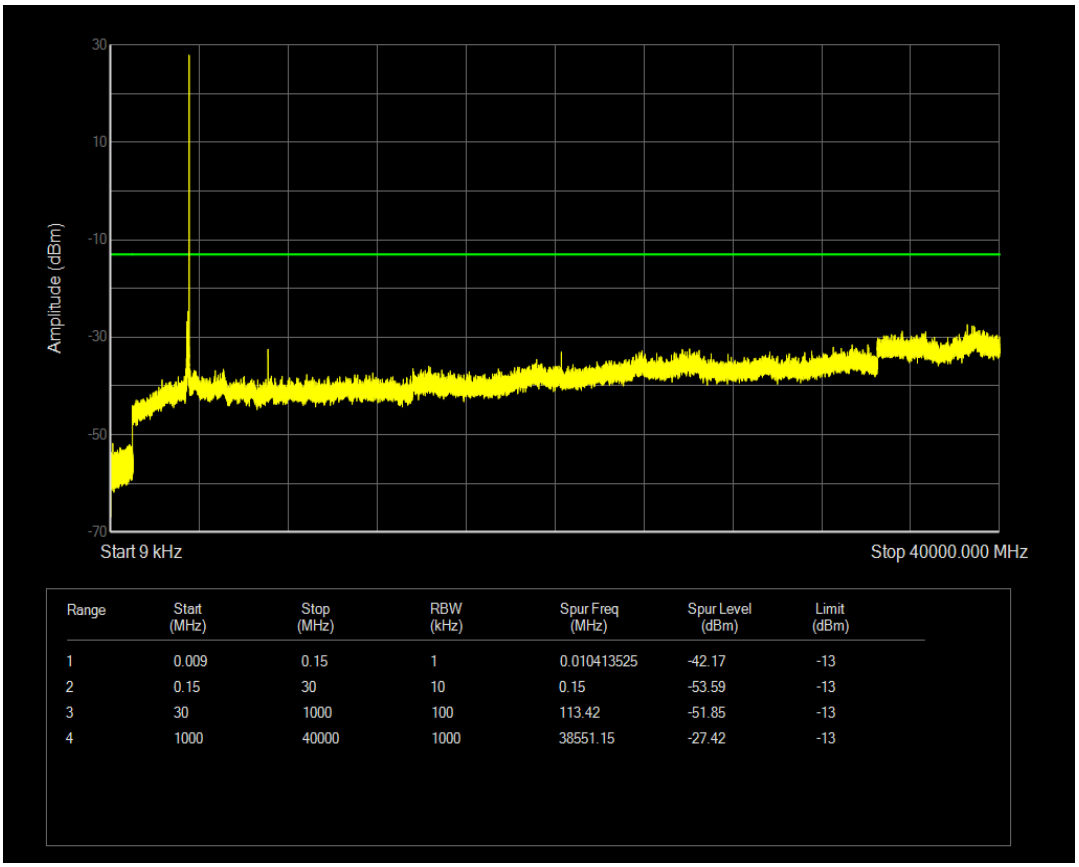
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	10	630334	24@0	CP_QPSK	38121.18	-28.37	-13	PASS
n78(3450-3550)	30	10	630334	1@0	CP_QPSK	6901.68	-24.83	-13	PASS
n78(3450-3550)	30	10	630334	1@23	CP_QPSK	6918.25	-24.16	-13	PASS
n78(3450-3550)	30	10	636332	24@0	CP_QPSK	38866.08	-27.93	-13	PASS
n78(3450-3550)	30	10	636332	1@0	CP_QPSK	38985.03	-27.54	-13	PASS
n78(3450-3550)	30	10	636332	1@23	CP_QPSK	38895.33	-26.73	-13	PASS
n78(3450-3550)	30	50	631668	133@0	CP_QPSK	39200.50	-27.72	-13	PASS
n78(3450-3550)	30	50	631668	1@0	CP_QPSK	38855.35	-27.98	-13	PASS
n78(3450-3550)	30	50	631668	1@132	CP_QPSK	39019.15	-27.17	-13	PASS
n78(3450-3550)	30	50	635000	133@0	CP_QPSK	38853.40	-26.85	-13	PASS
n78(3450-3550)	30	50	635000	1@0	CP_QPSK	7003.08	-26.02	-13	PASS
n78(3450-3550)	30	50	635000	1@132	CP_QPSK	38917.75	-27.38	-13	PASS
n78(3450-3550)	30	100	633334	273@0	CP_QPSK	38953.83	-27.83	-13	PASS
n78(3450-3550)	30	100	633334	1@0	CP_QPSK	39296.05	-27.98	-13	PASS
n78(3450-3550)	30	100	633334	1@272	CP_QPSK	38551.15	-27.42	-13	PASS

n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@0

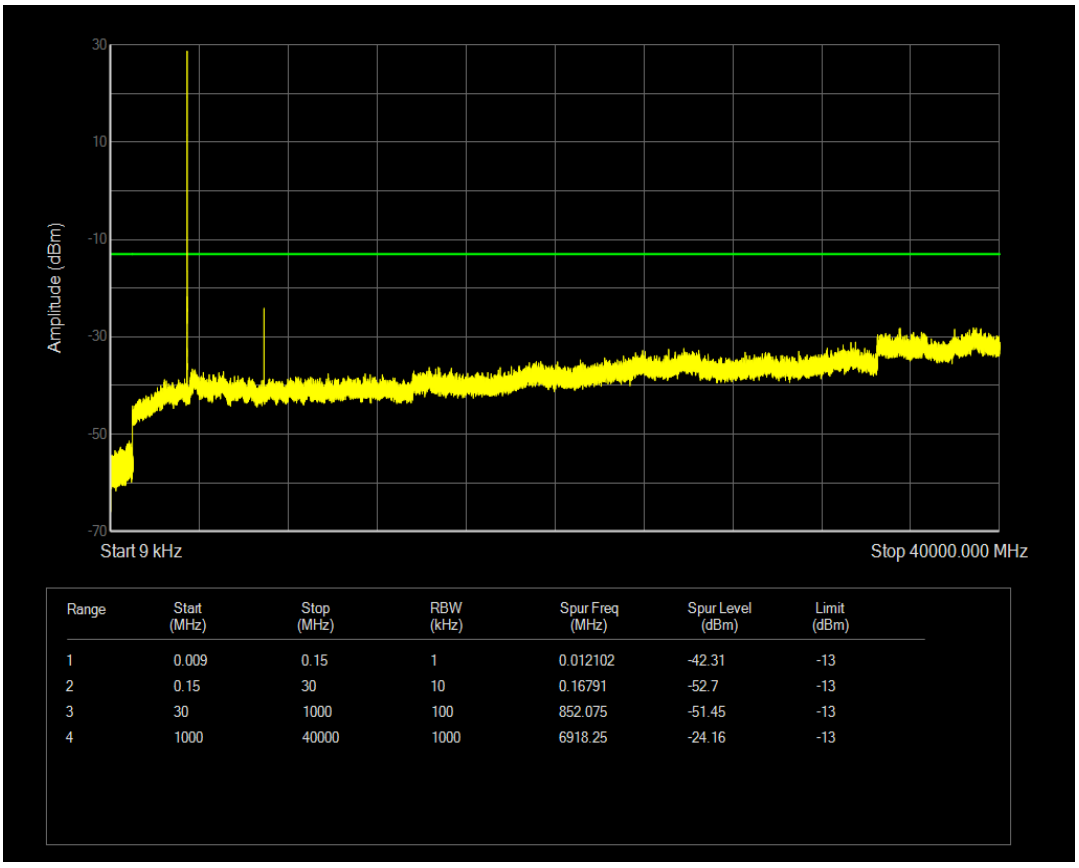


n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@272



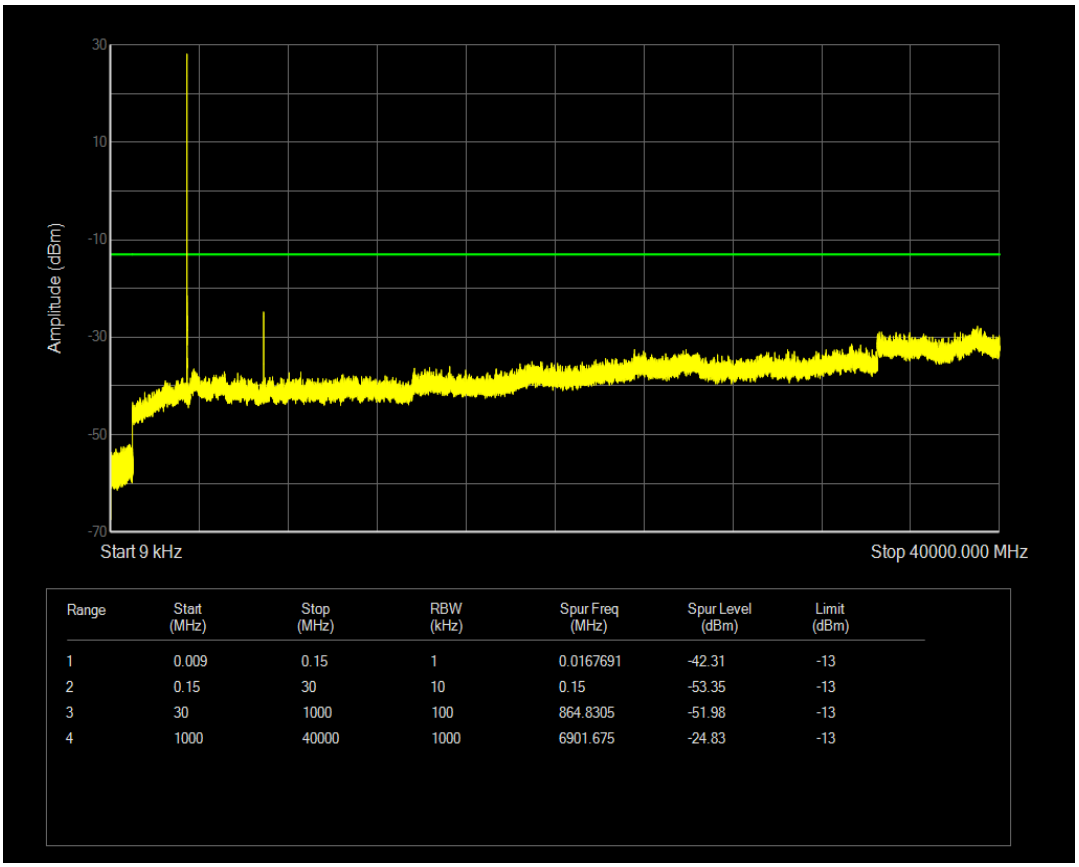
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010413525	-42.17	-13
2	0.15	30	10	0.15	-53.59	-13
3	30	1000	100	113.42	-51.85	-13
4	1000	40000	1000	38551.15	-27.42	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@23



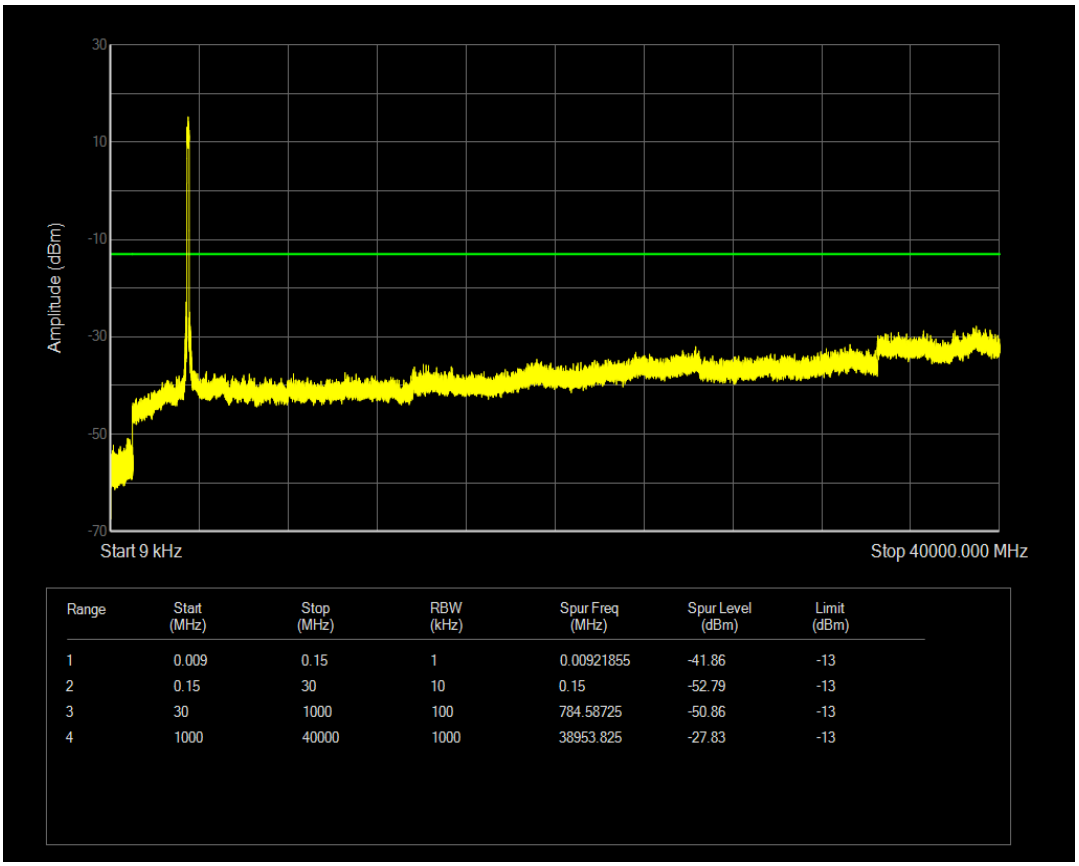
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012102	-42.31	-13
2	0.15	30	10	0.16791	-52.7	-13
3	30	1000	100	852.075	-51.45	-13
4	1000	40000	1000	6918.25	-24.16	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@0



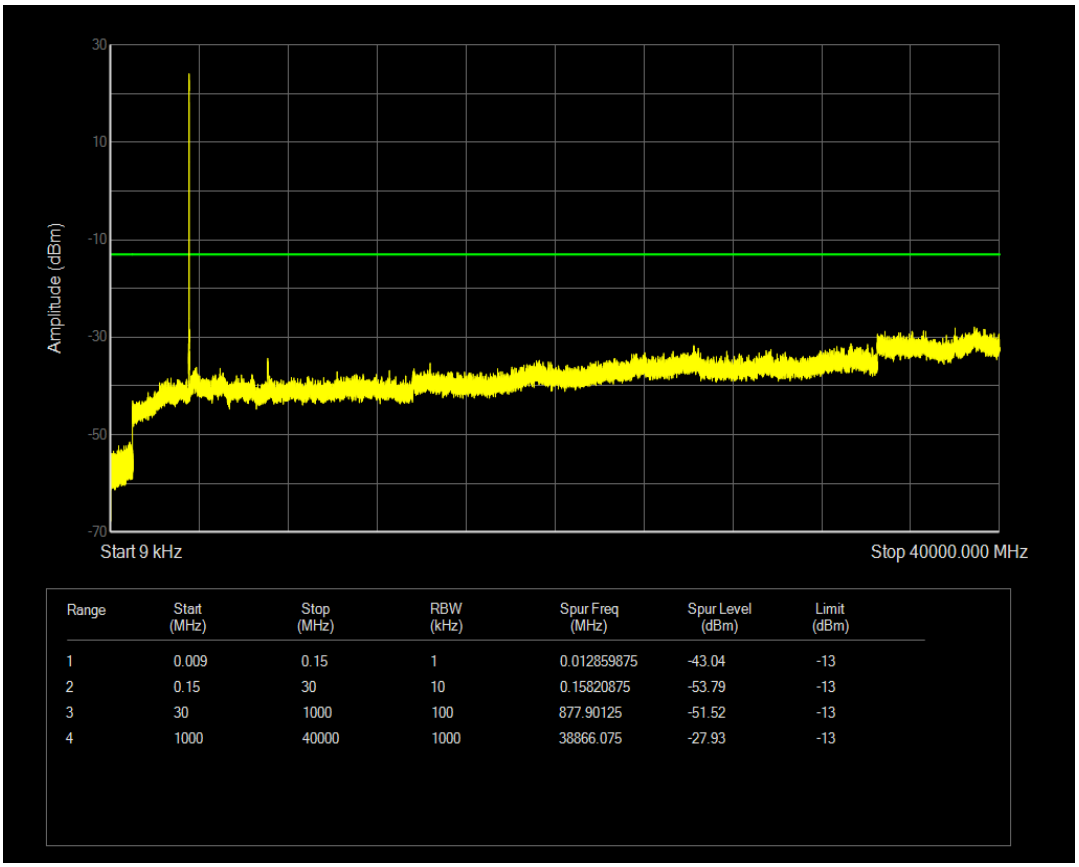
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0167691	-42.31	-13
2	0.15	30	10	0.15	-53.35	-13
3	30	1000	100	864.8305	-51.98	-13
4	1000	40000	1000	6901.675	-24.83	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



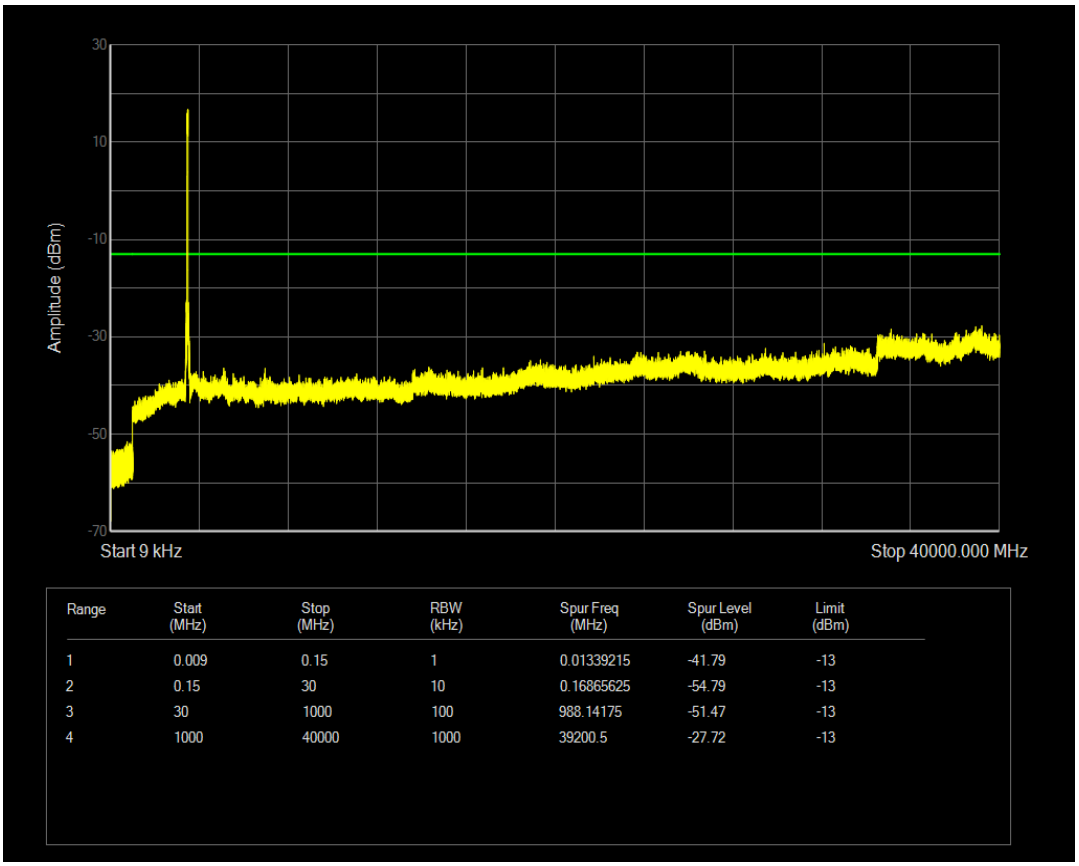
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00921855	-41.86	-13
2	0.15	30	10	0.15	-52.79	-13
3	30	1000	100	784.58725	-50.86	-13
4	1000	40000	1000	38953.825	-27.83	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=24@0



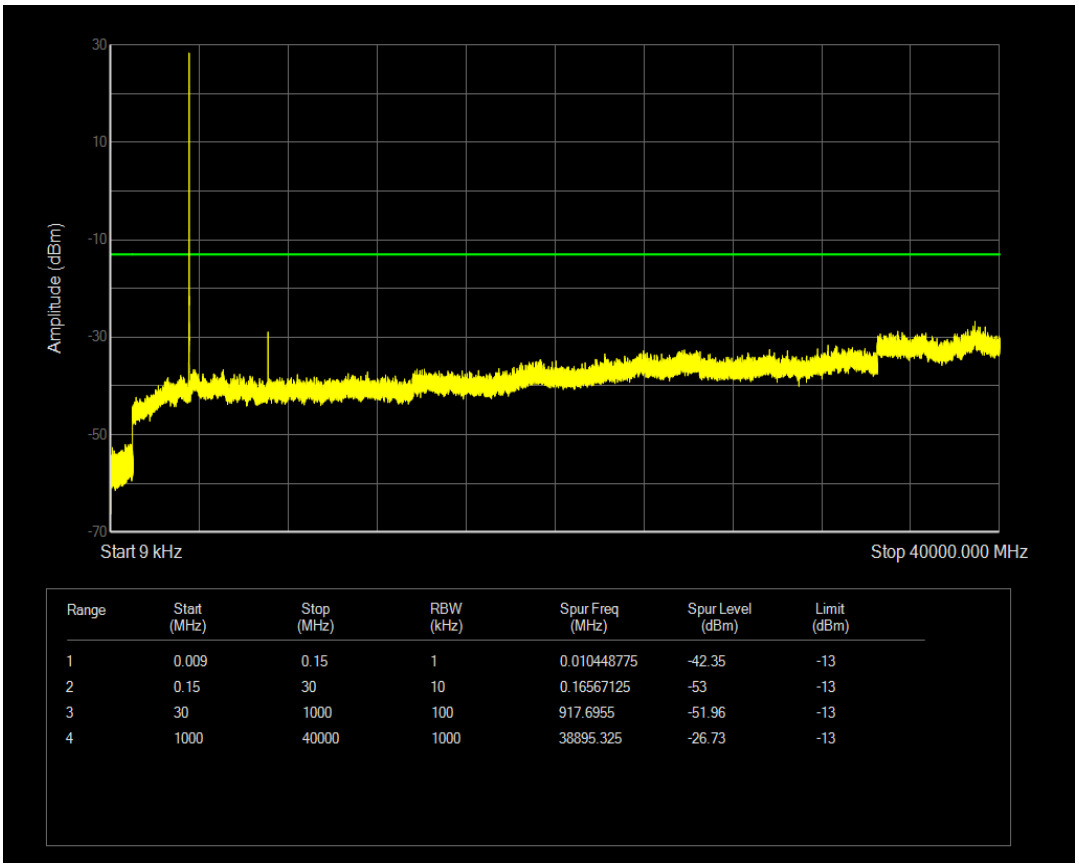
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012859875	-43.04	-13
2	0.15	30	10	0.15820875	-53.79	-13
3	30	1000	100	877.90125	-51.52	-13
4	1000	40000	1000	38866.075	-27.93	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=133@0



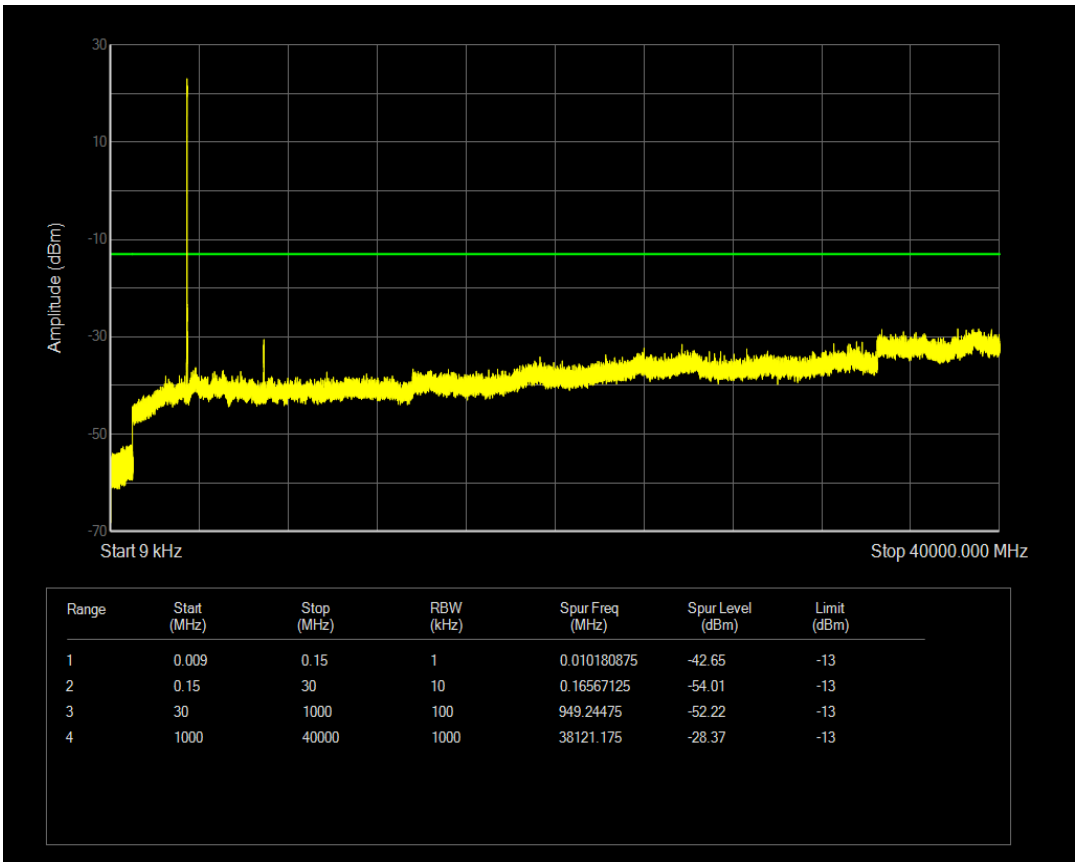
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01339215	-41.79	-13
2	0.15	30	10	0.16865625	-54.79	-13
3	30	1000	100	988.14175	-51.47	-13
4	1000	40000	1000	39200.5	-27.72	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@23



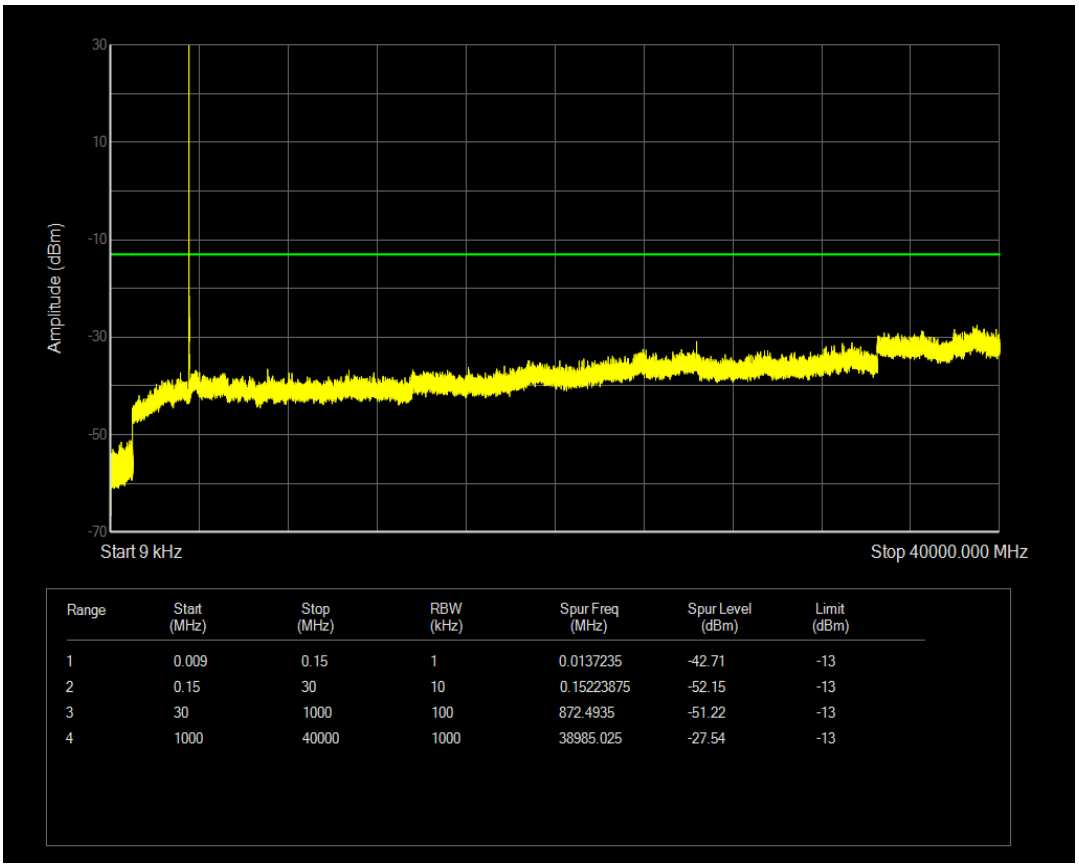
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010448775	-42.35	-13
2	0.15	30	10	0.16567125	-53	-13
3	30	1000	100	917.6955	-51.96	-13
4	1000	40000	1000	38895.325	-26.73	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=24@0



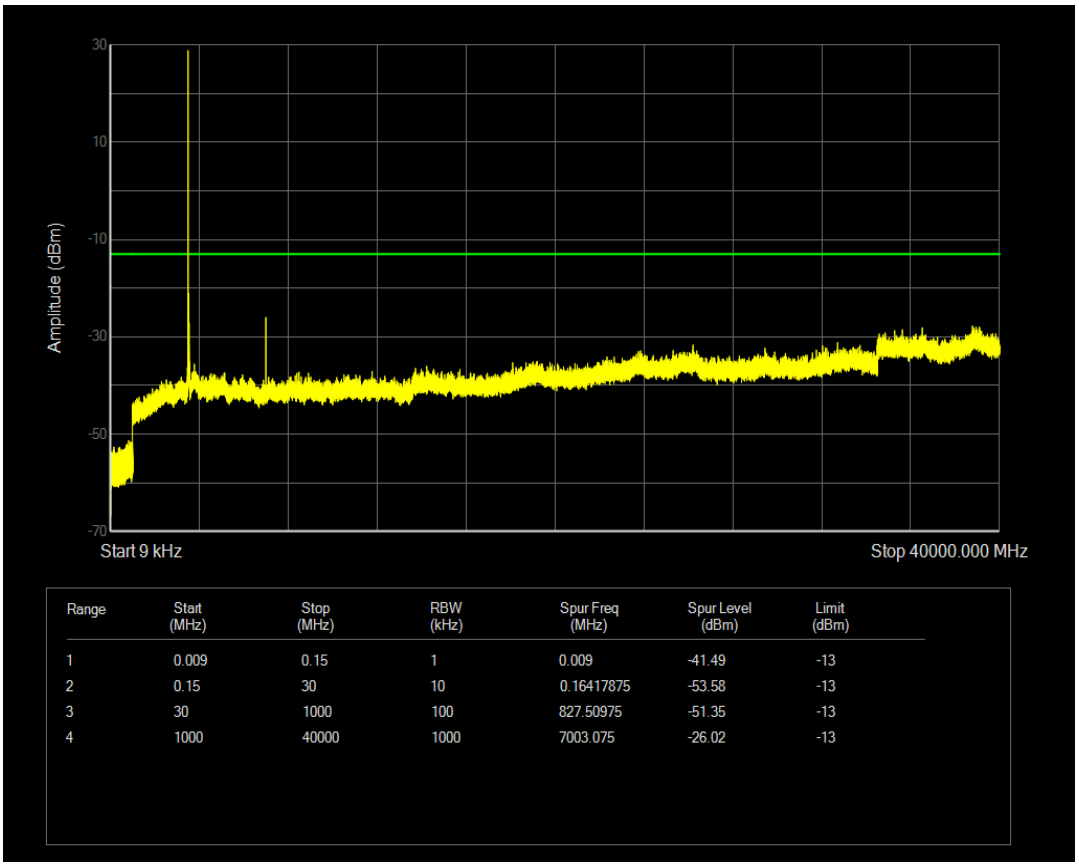
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010180875	-42.65	-13
2	0.15	30	10	0.16567125	-54.01	-13
3	30	1000	100	949.24475	-52.22	-13
4	1000	40000	1000	38121.175	-28.37	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@0



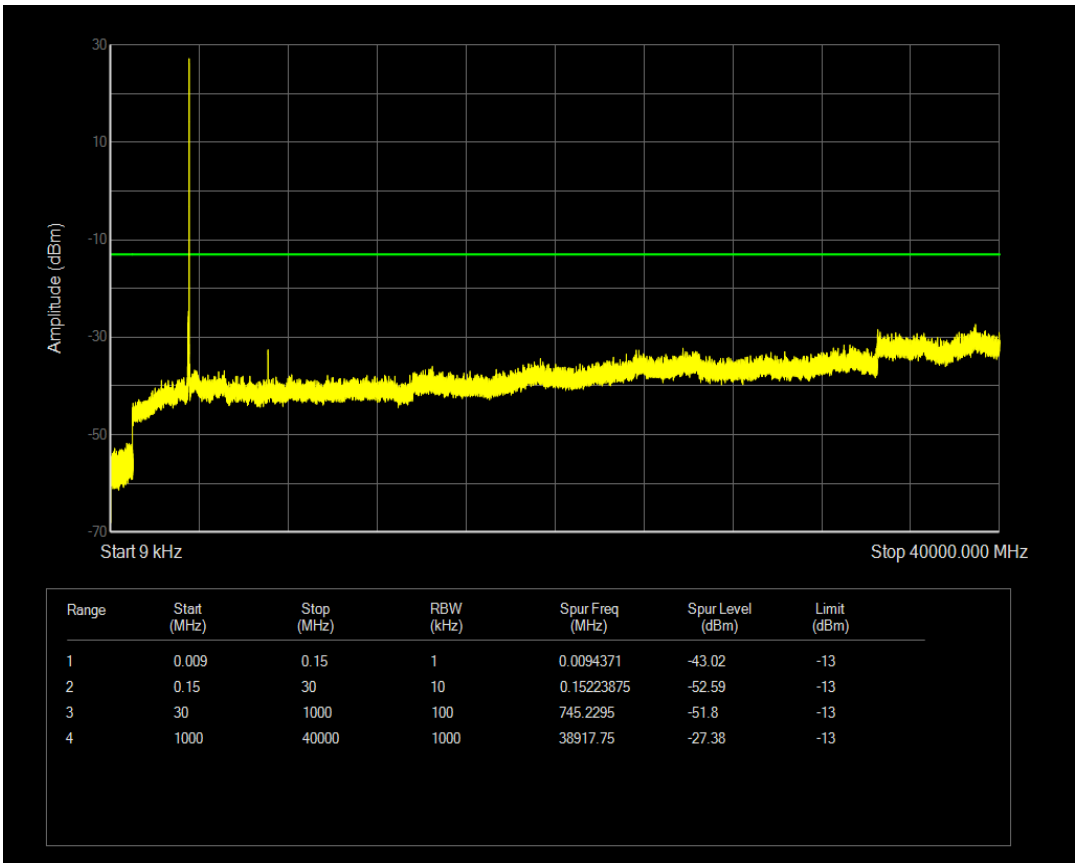
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137235	-42.71	-13
2	0.15	30	10	0.15223875	-52.15	-13
3	30	1000	100	872.4935	-51.22	-13
4	1000	40000	1000	38985.025	-27.54	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1@0



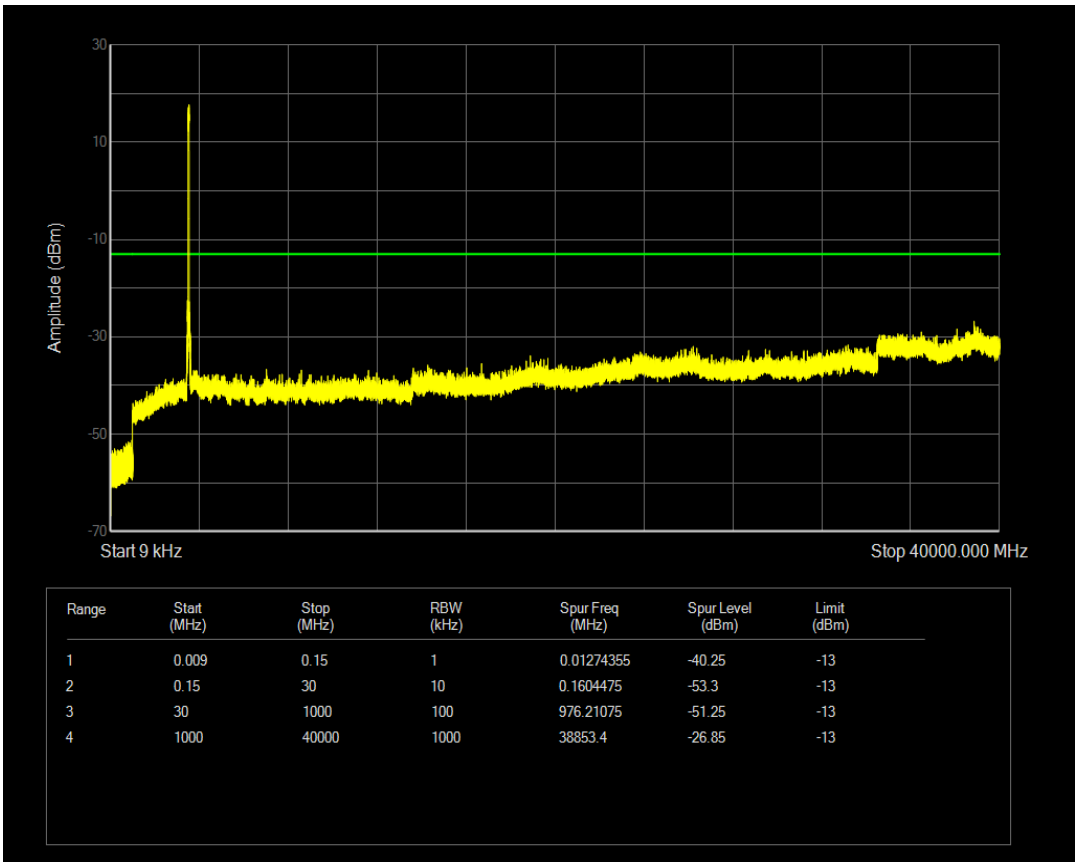
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-41.49	-13
2	0.15	30	10	0.16417875	-53.58	-13
3	30	1000	100	827.50975	-51.35	-13
4	1000	40000	1000	7003.075	-26.02	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1@132



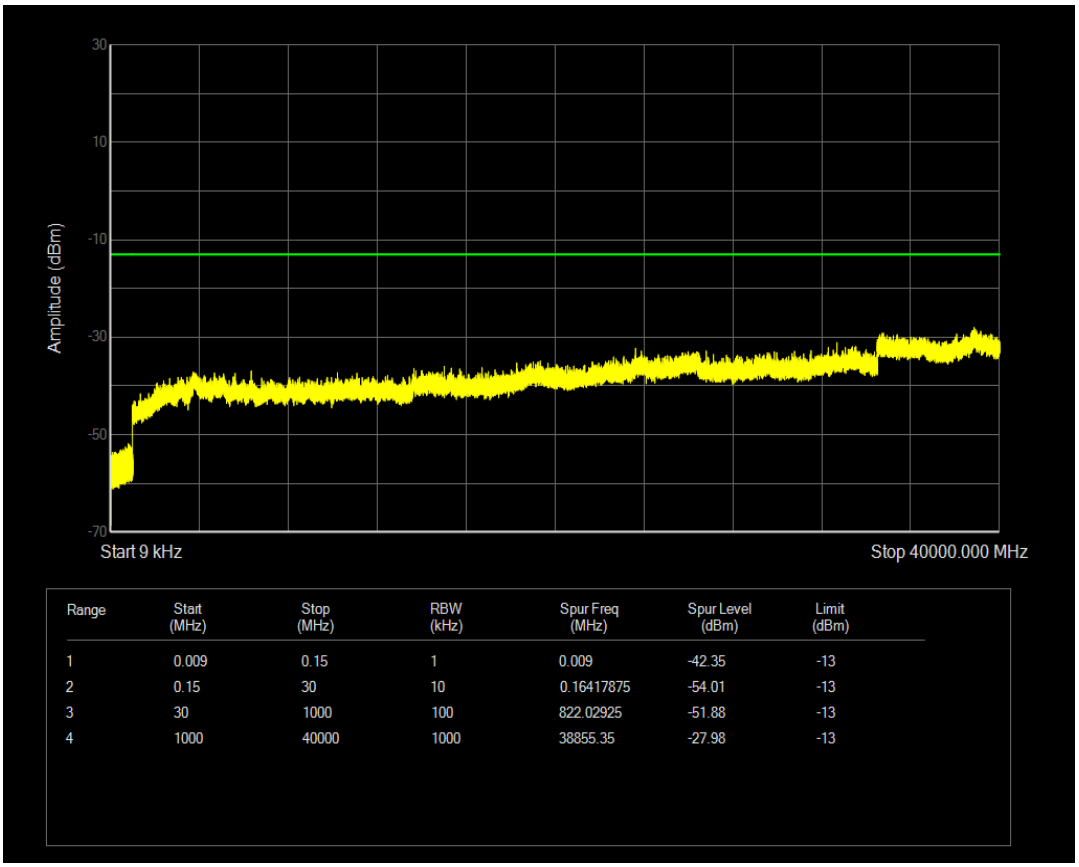
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094371	-43.02	-13
2	0.15	30	10	0.15223875	-52.59	-13
3	30	1000	100	745.2295	-51.8	-13
4	1000	40000	1000	38917.75	-27.38	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133@0



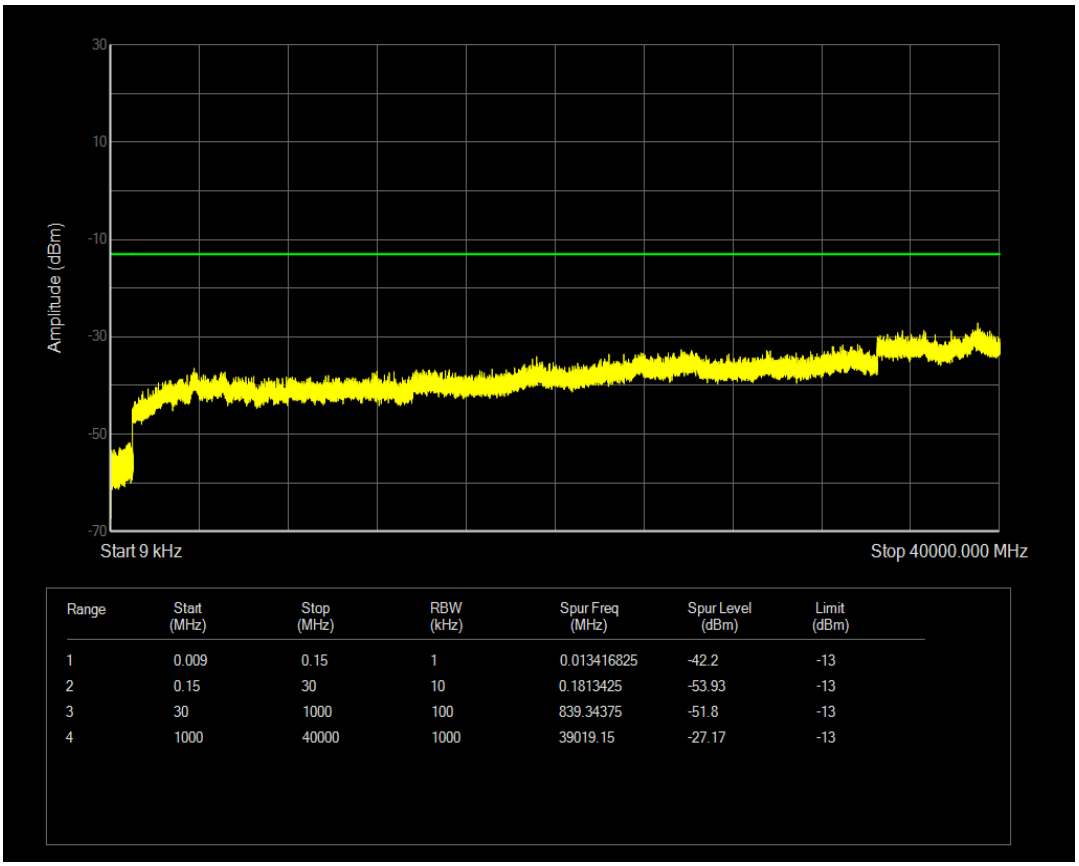
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01274355	-40.25	-13
2	0.15	30	10	0.1604475	-53.3	-13
3	30	1000	100	976.21075	-51.25	-13
4	1000	40000	1000	38853.4	-26.85	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-42.35	-13
2	0.15	30	10	0.16417875	-54.01	-13
3	30	1000	100	822.02925	-51.88	-13
4	1000	40000	1000	38855.35	-27.98	-13

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@132



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013416825	-42.2	-13
2	0.15	30	10	0.1813425	-53.93	-13
3	30	1000	100	839.34375	-51.8	-13
4	1000	40000	1000	39019.15	-27.17	-13