n78(3700-3800) SCS=30kHz DFT_QAM256 BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=20MHz Channel=650000 RB=50@0

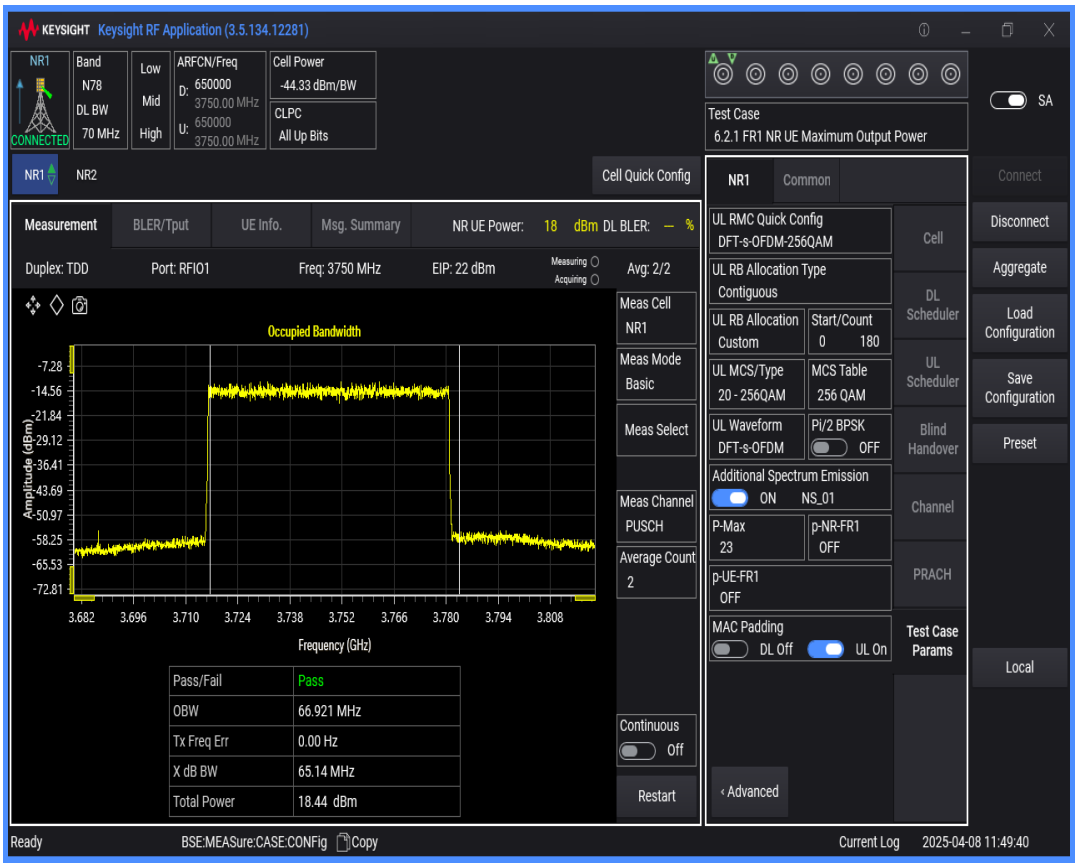
n78(3700-3800) SCS=30kHz DFT_QAM256 BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=30MHz Channel=650000 RB=75@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=40MHz Channel=650000 RB=100@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=70MHz Channel=650000 RB=180@0



n78(3700-3800) SCS=30kHz DFT_QAM256 BW=60MHz Channel=650000 RB=162@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=90MHz Channel=650000 RB=240@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=80MHz Channel=650000 RB=216@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=20MHz Channel=650000 RB=50@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=30MHz Channel=650000 RB=75@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=40MHz Channel=650000 RB=100@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=650000 RB=180@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=60MHz Channel=650000 RB=162@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=80MHz Channel=650000 RB=216@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=90MHz Channel=650000 RB=240@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=20MHz Channel=650000 RB=50@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=40MHz Channel=650000 RB=100@0

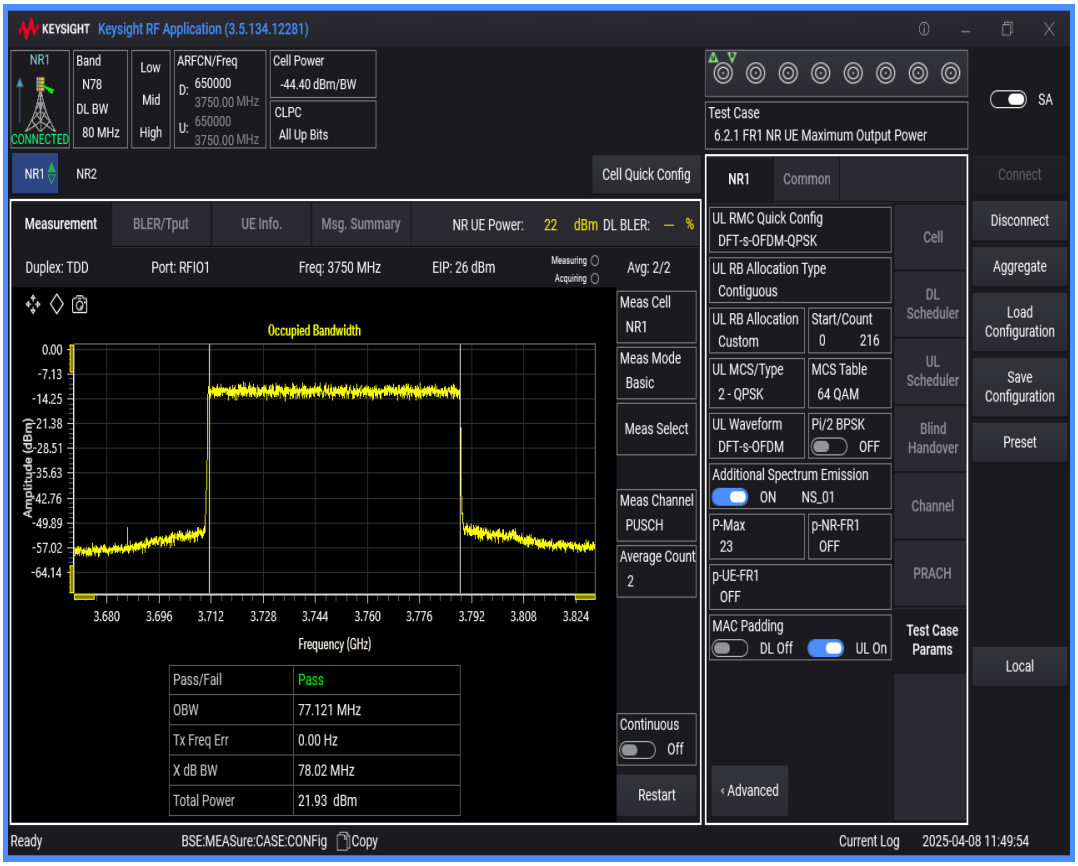
n78(3700-3800) SCS=30kHz DFT_QPSK BW=30MHz Channel=650000 RB=75@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=60MHz Channel=650000 RB=162@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=180@0

n78(3700-3800) SCS=30kHz DFT_QPSK BW=80MHz Channel=650000 RB=216@0

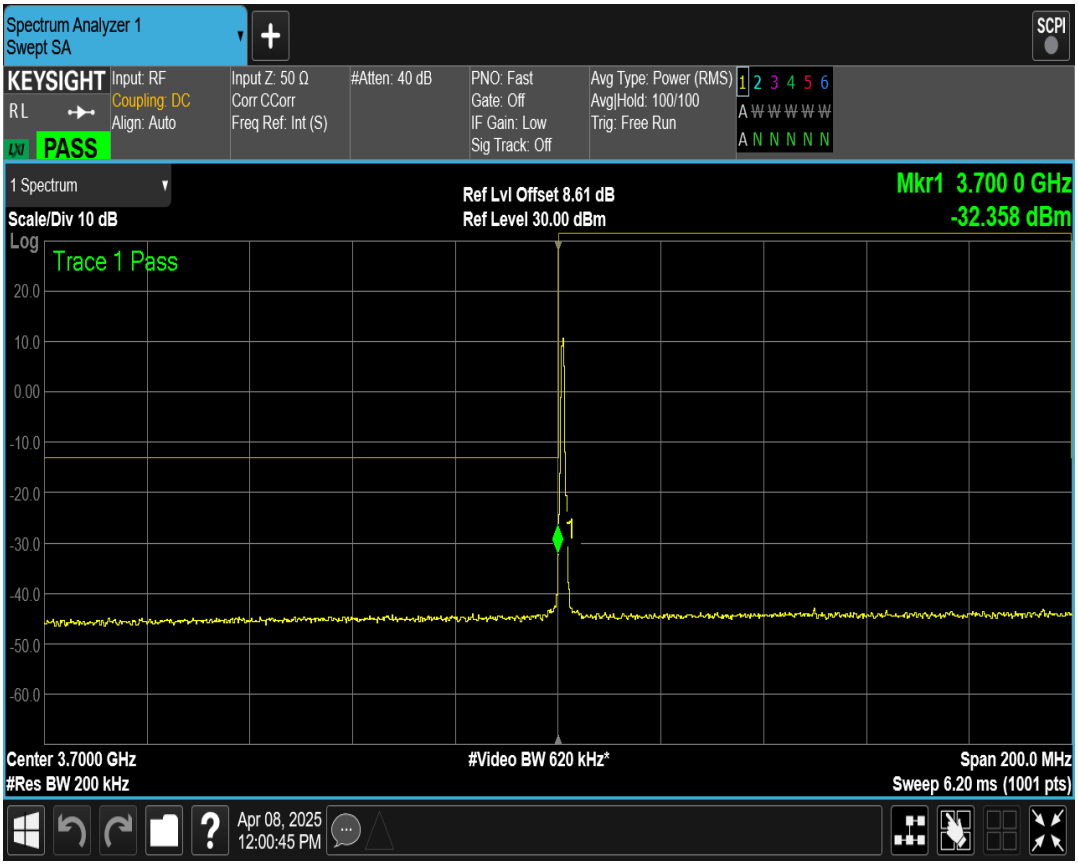


n78(3700-3800) SCS=30kHz DFT_QPSK BW=90MHz Channel=650000 RB=240@0

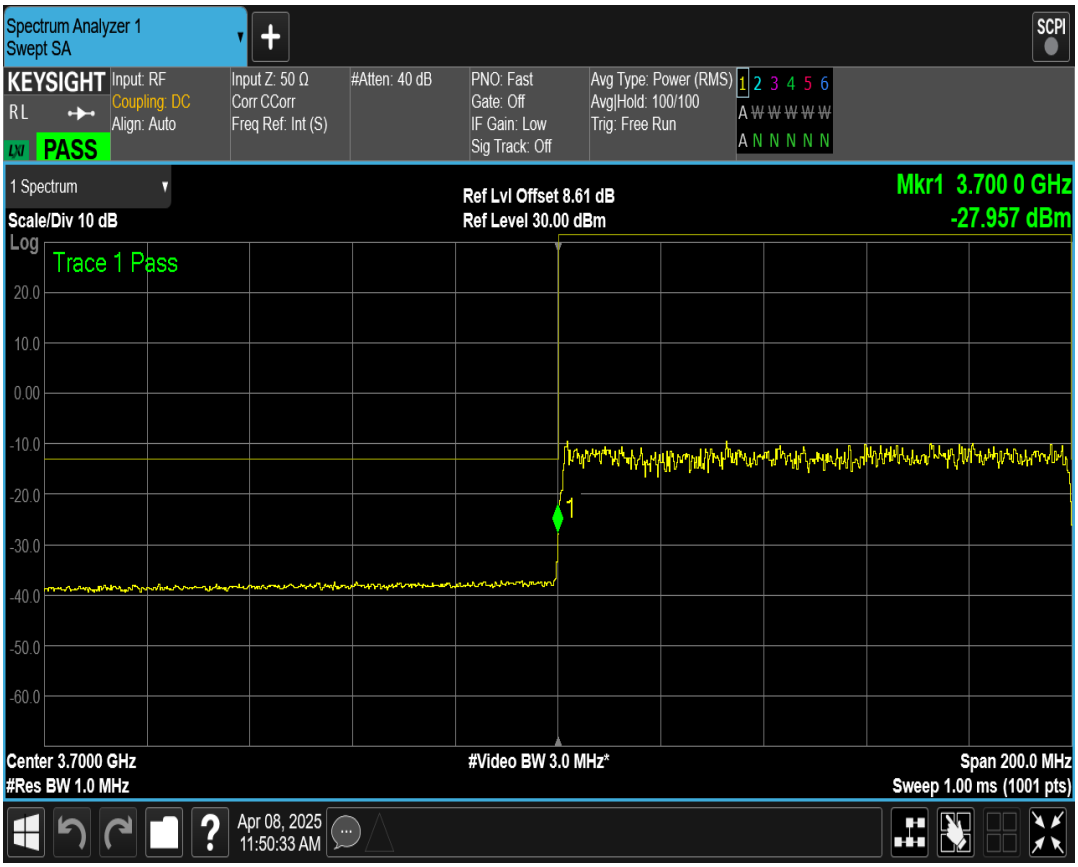
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3700-3800)	30	10	647000	24@0	CP_QPSK	3699.88	-45.92	-13	PASS
n78(3700-3800)	30	10	647000	1@0	CP_QPSK	3700.00	-35.33	-13	PASS
n78(3700-3800)	30	10	647000	1@23	CP_QPSK	3694.52	-43.93	-13	PASS
n78(3700-3800)	30	10	653000	24@0	CP_QPSK	3801.86	-45.36	-13	PASS
n78(3700-3800)	30	10	653000	1@0	CP_QPSK	3801.44	-43.22	-13	PASS
n78(3700-3800)	30	10	653000	1@23	CP_QPSK	3800.04	-35.77	-13	PASS
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	3696.40	-39.64	-13	PASS
n78(3700-3800)	30	50	648334	1@0	CP_QPSK	3699.90	-42.94	-13	PASS
n78(3700-3800)	30	50	648334	1@132	CP_QPSK	3695.20	-44.15	-13	PASS
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	3803.60	-39.12	-13	PASS
n78(3700-3800)	30	50	651666	1@0	CP_QPSK	3802.30	-43.32	-13	PASS
n78(3700-3800)	30	50	651666	1@132	CP_QPSK	3800.00	-39.29	-13	PASS
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	3700.00	-27.95	-13	PASS
n78(3700-3800)	30	100	650000	1@0	CP_QPSK	3700.00	-32.35	-13	PASS
n78(3700-3800)	30	100	650000	1@272	CP_QPSK	3649.00	-44.22	-13	PASS

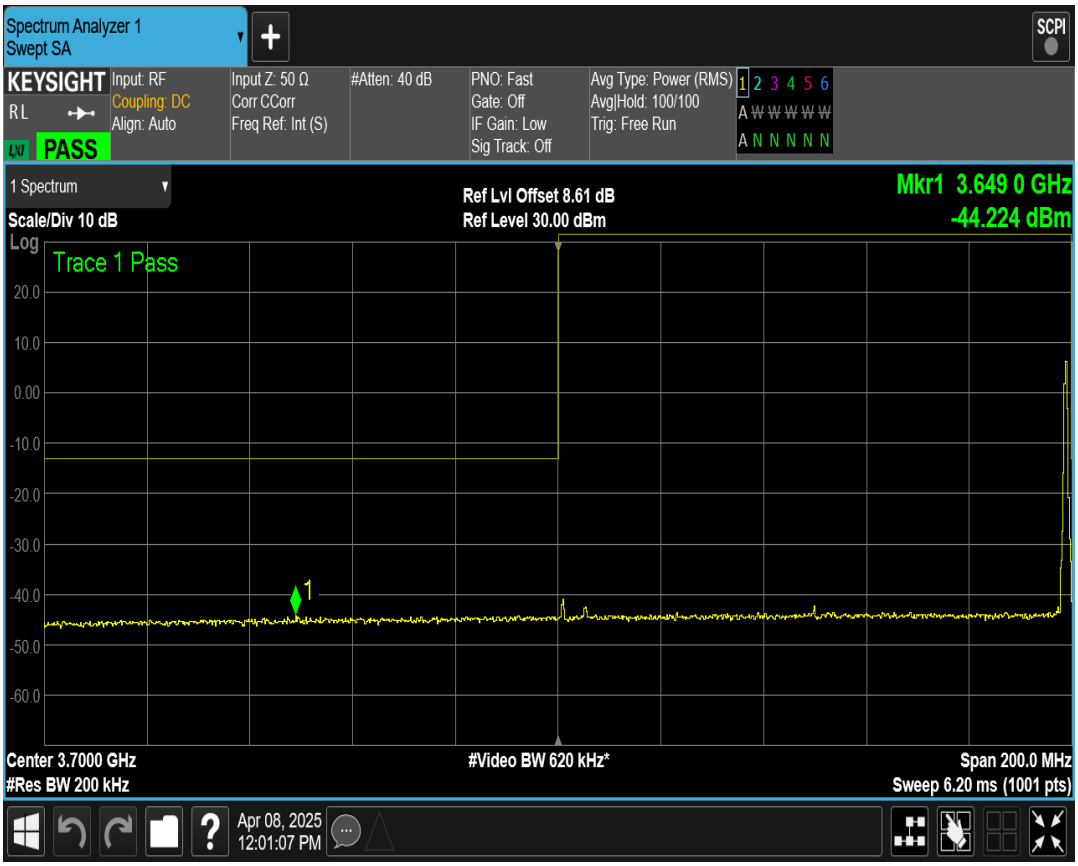
n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0



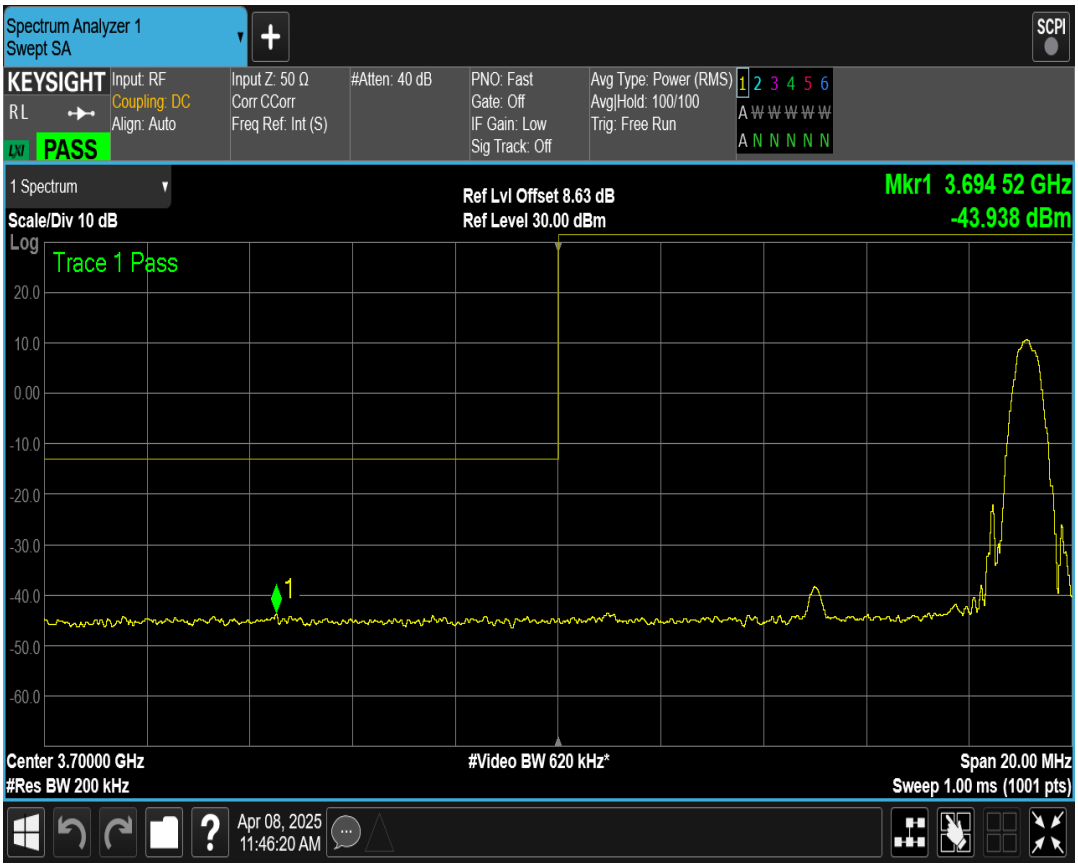
n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=273@0



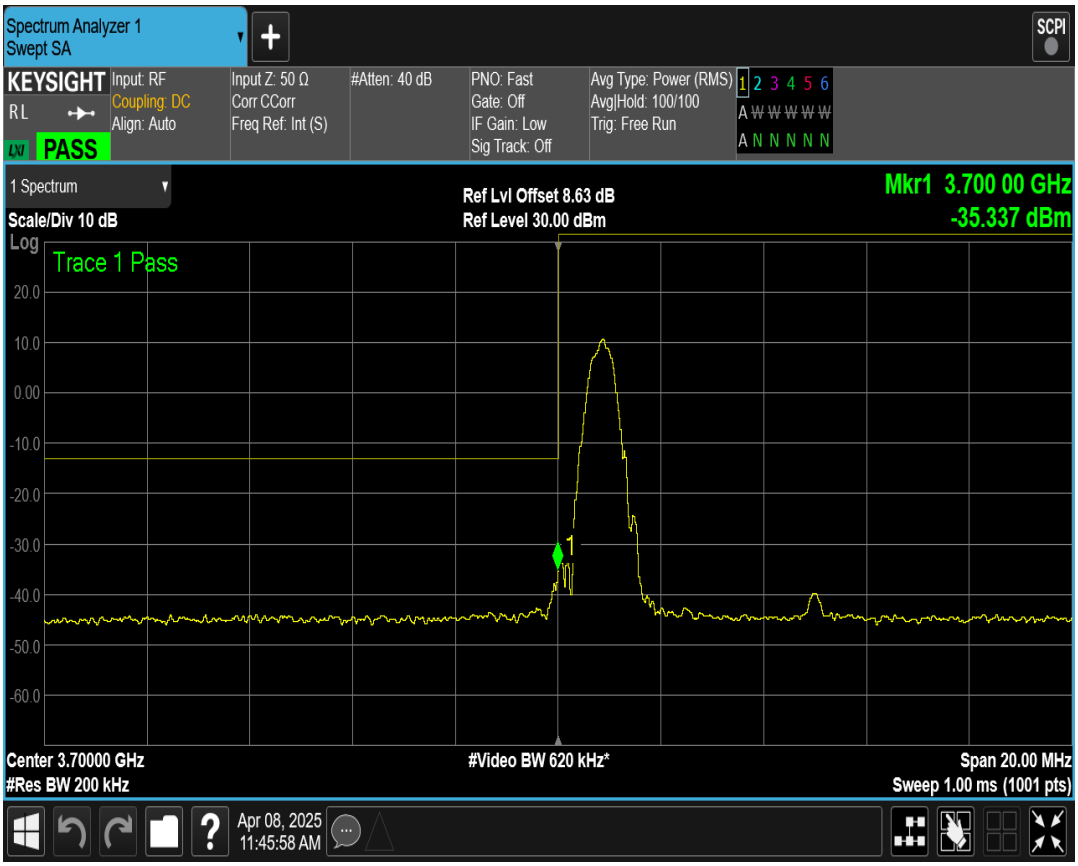
n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@272



n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@23

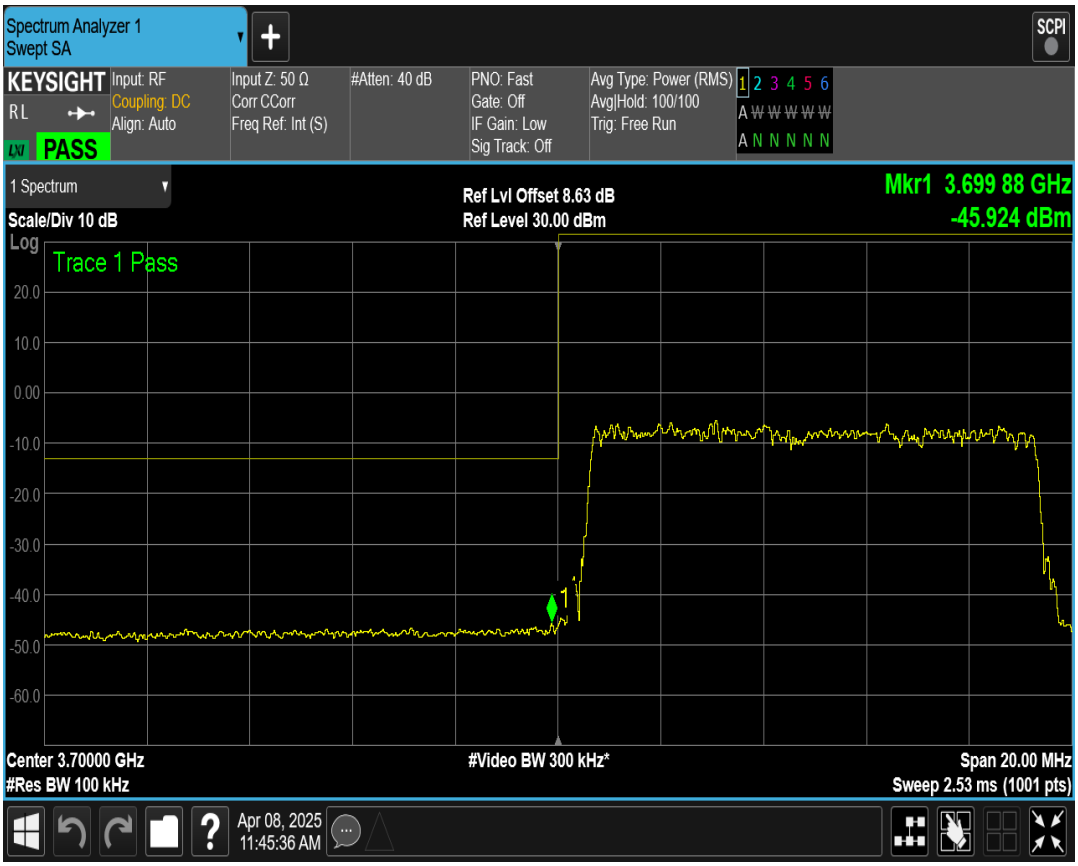


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@0

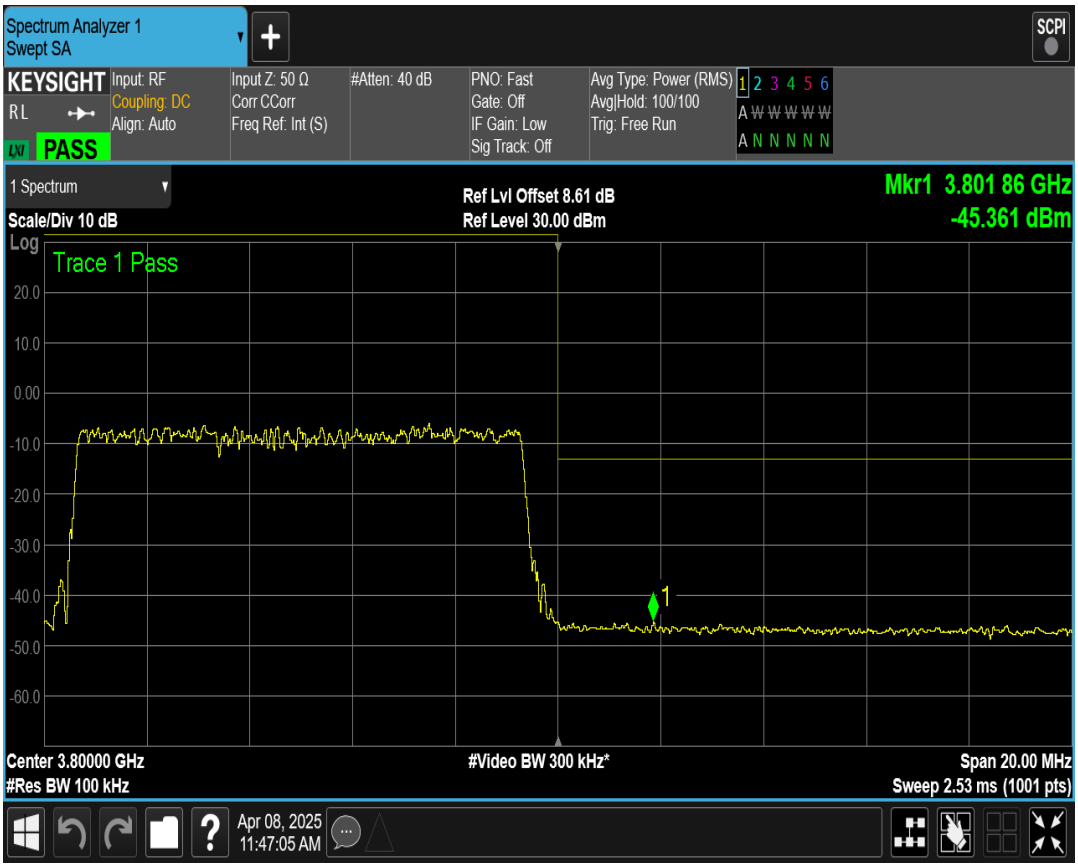


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=24@0

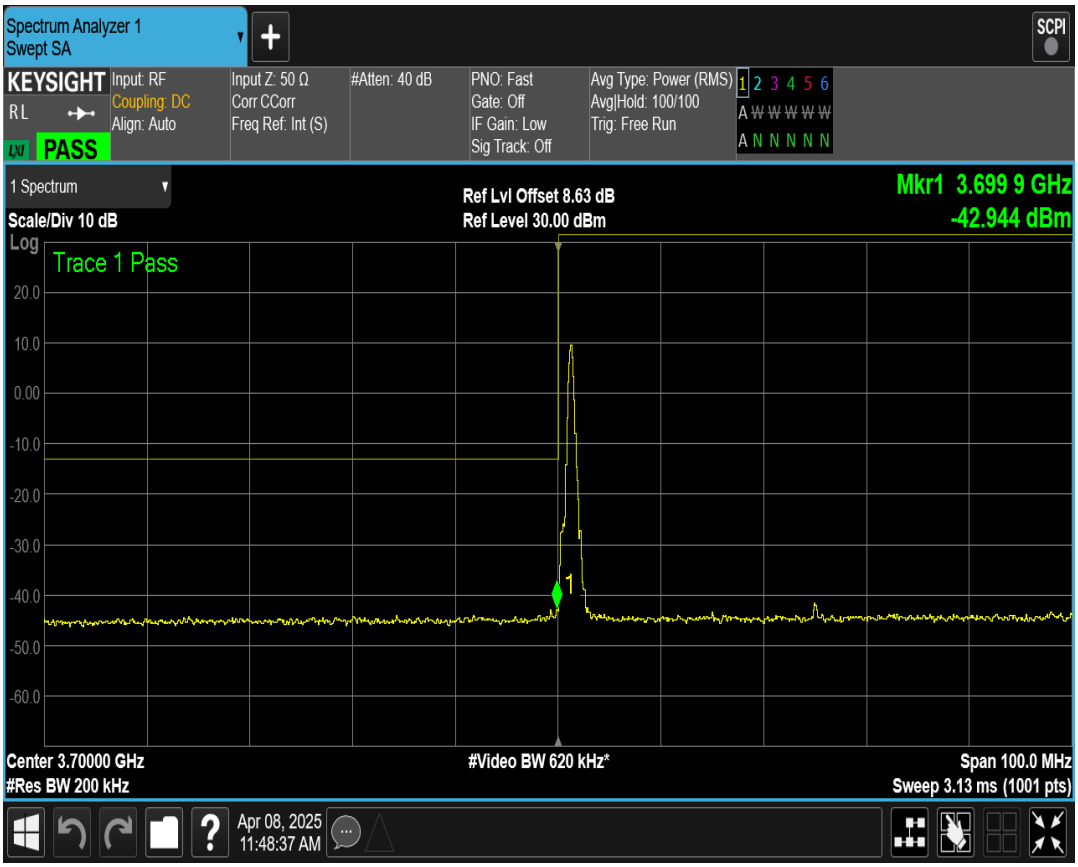


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0

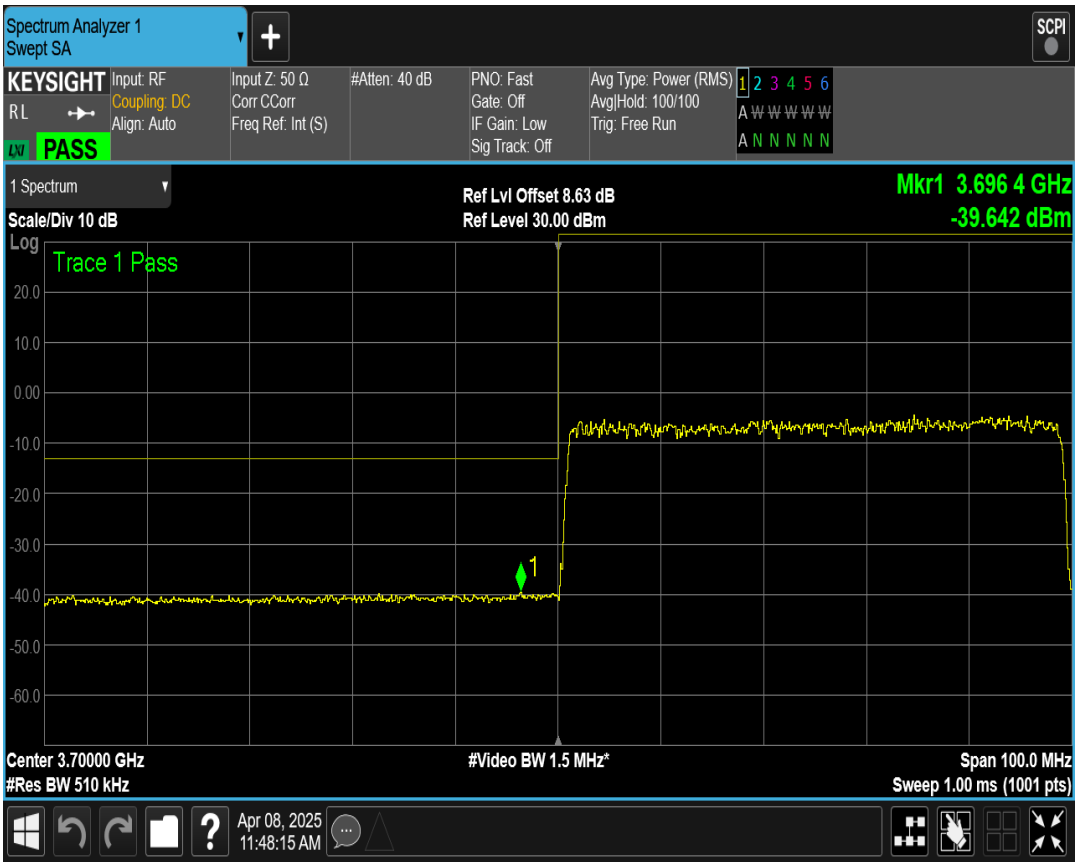


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23

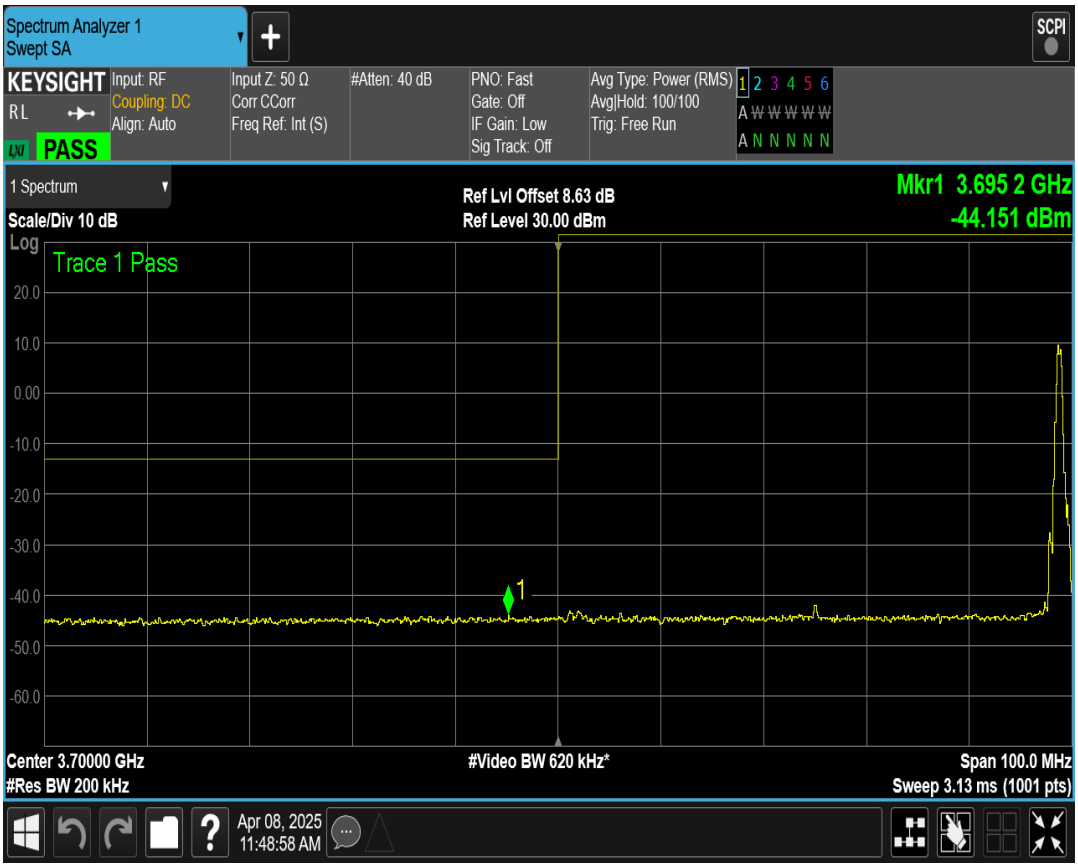
n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@0



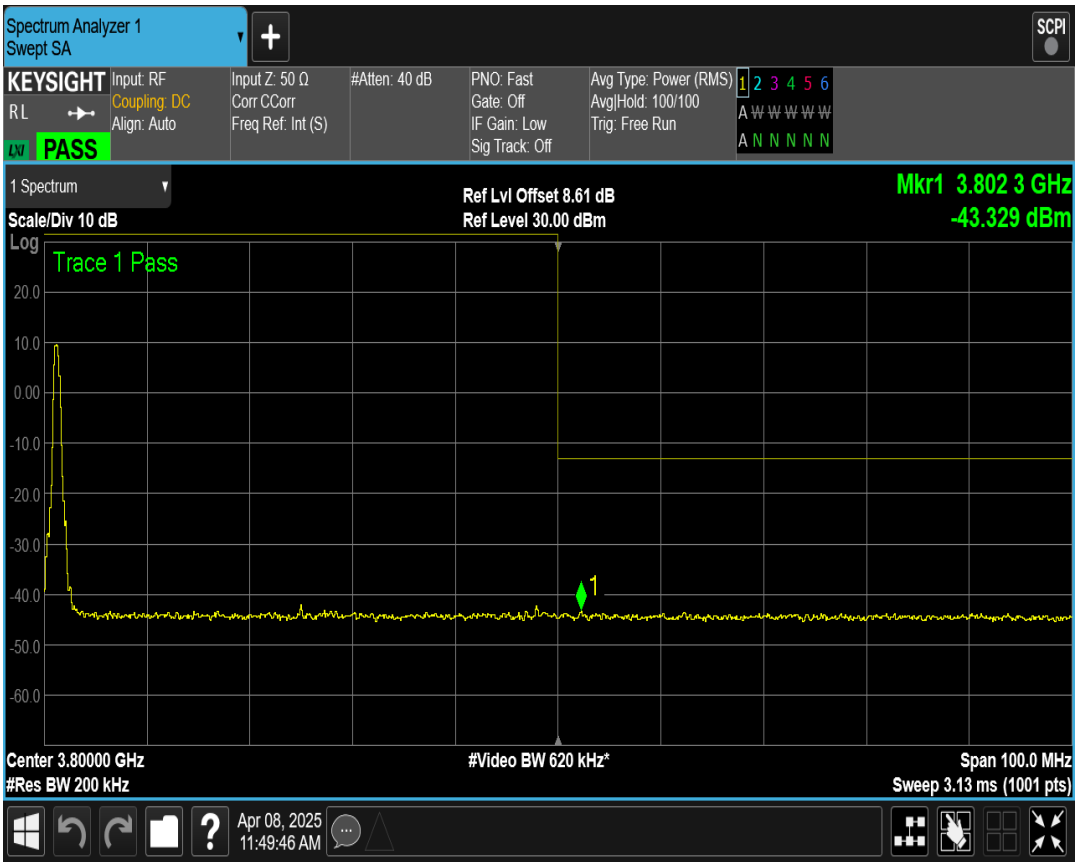
n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=133@0



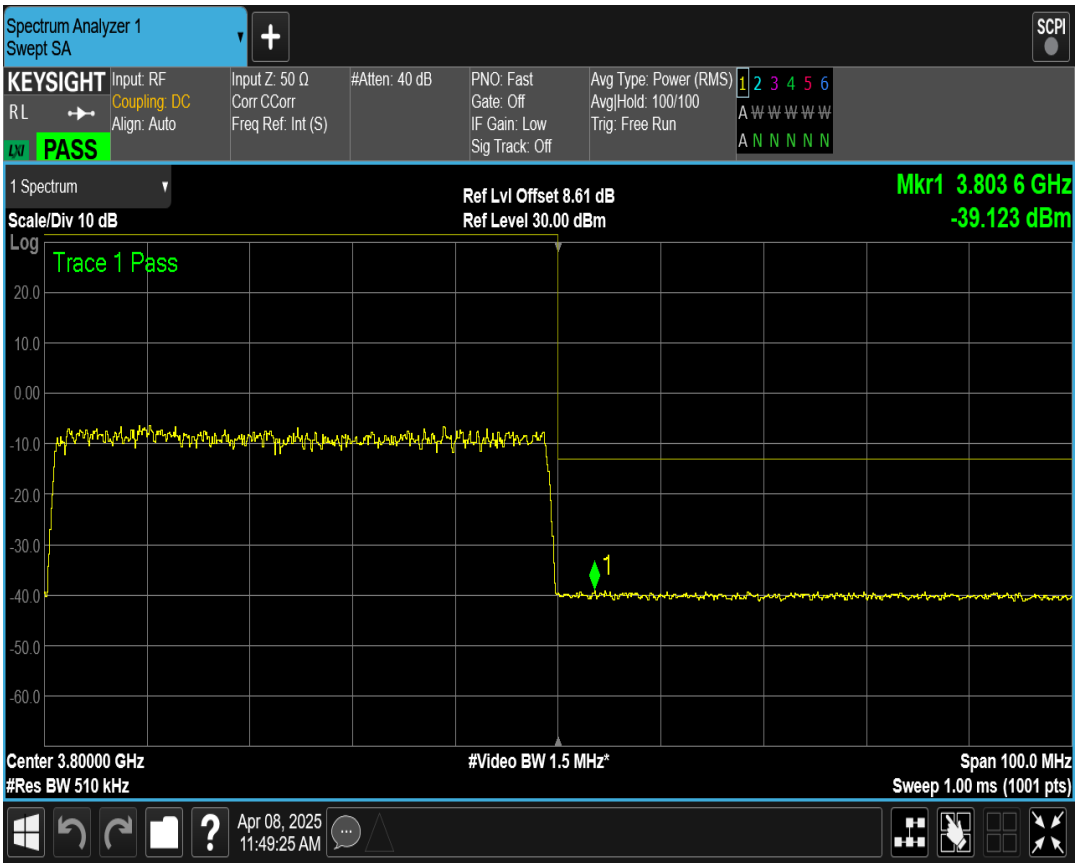
n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@132



n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@0



n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0

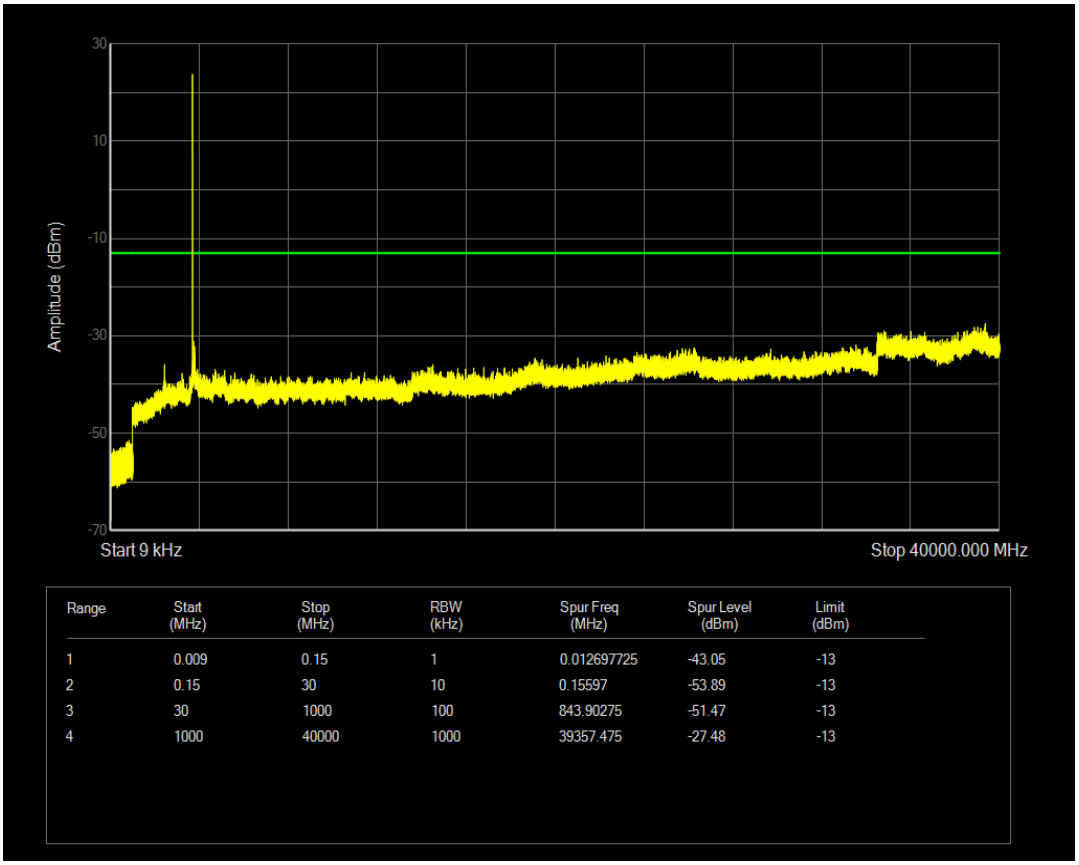


n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@132

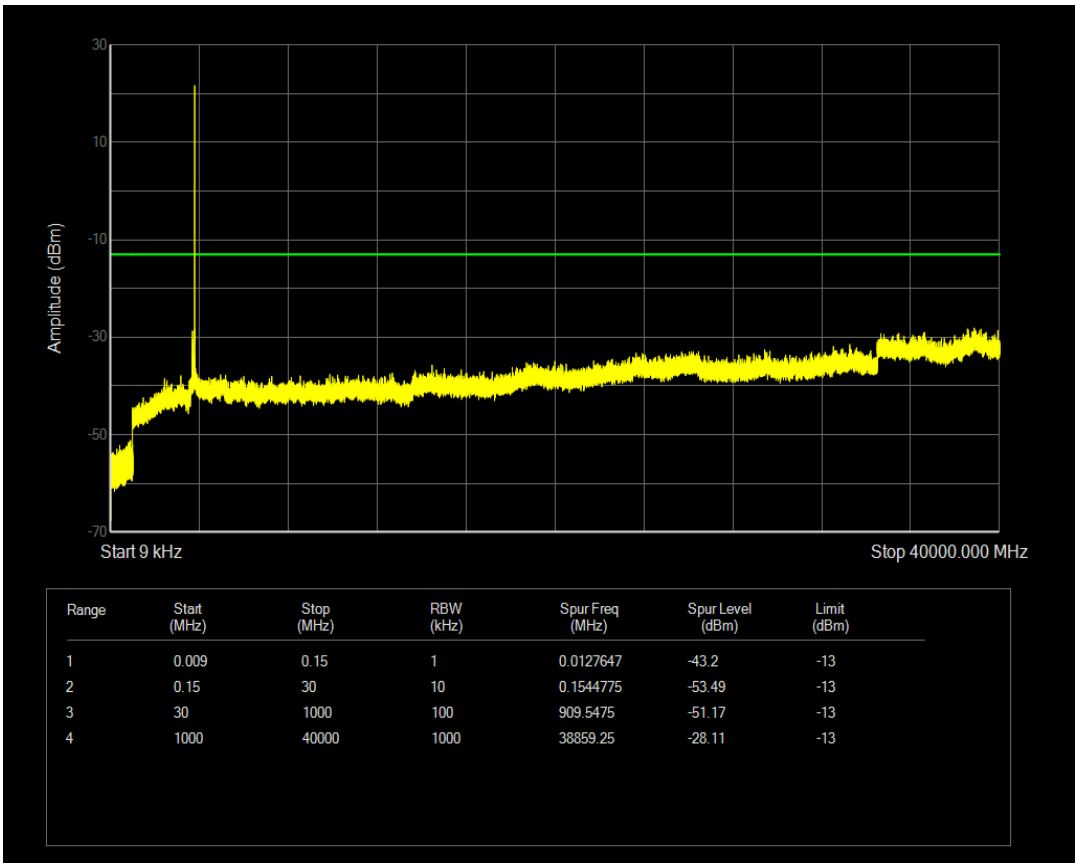
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3700-3800)	30	10	647000	24@0	CP_QPSK	39390.63	-27.89	-13	PASS
n78(3700-3800)	30	10	647000	1@0	CP_QPSK	38865.10	-27.74	-13	PASS
n78(3700-3800)	30	10	647000	1@23	CP_QPSK	36433.45	-27.99	-13	PASS
n78(3700-3800)	30	10	653000	24@0	CP_QPSK	38832.93	-28.13	-13	PASS
n78(3700-3800)	30	10	653000	1@0	CP_QPSK	39074.73	-28.00	-13	PASS
n78(3700-3800)	30	10	653000	1@23	CP_QPSK	38843.65	-27.85	-13	PASS
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	39147.85	-27.74	-13	PASS
n78(3700-3800)	30	50	648334	1@0	CP_QPSK	38876.80	-27.12	-13	PASS
n78(3700-3800)	30	50	648334	1@132	CP_QPSK	38856.33	-28.42	-13	PASS
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	38839.75	-28.20	-13	PASS
n78(3700-3800)	30	50	651666	1@0	CP_QPSK	38835.85	-28.24	-13	PASS
n78(3700-3800)	30	50	651666	1@132	CP_QPSK	38026.60	-27.46	-13	PASS
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	38767.60	-27.83	-13	PASS
n78(3700-3800)	30	100	650000	1@0	CP_QPSK	39357.48	-27.48	-13	PASS
n78(3700-3800)	30	100	650000	1@272	CP_QPSK	38859.25	-28.11	-13	PASS

n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0

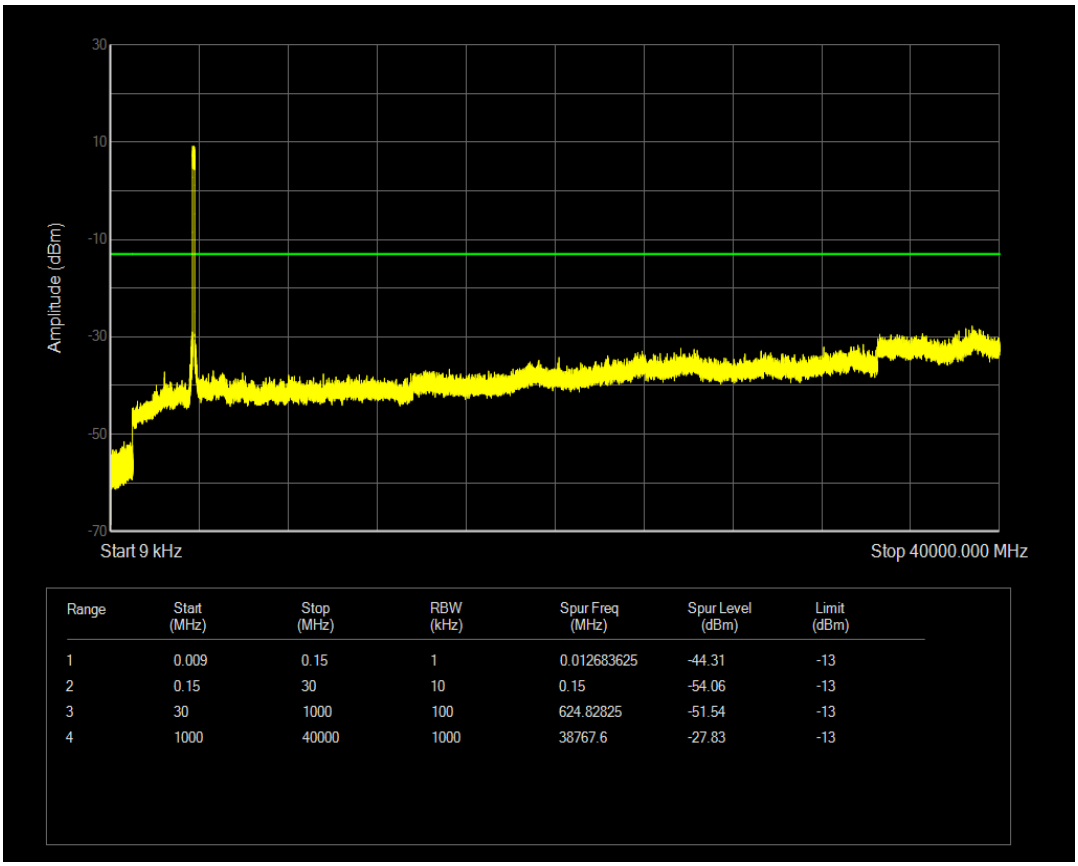


n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@272



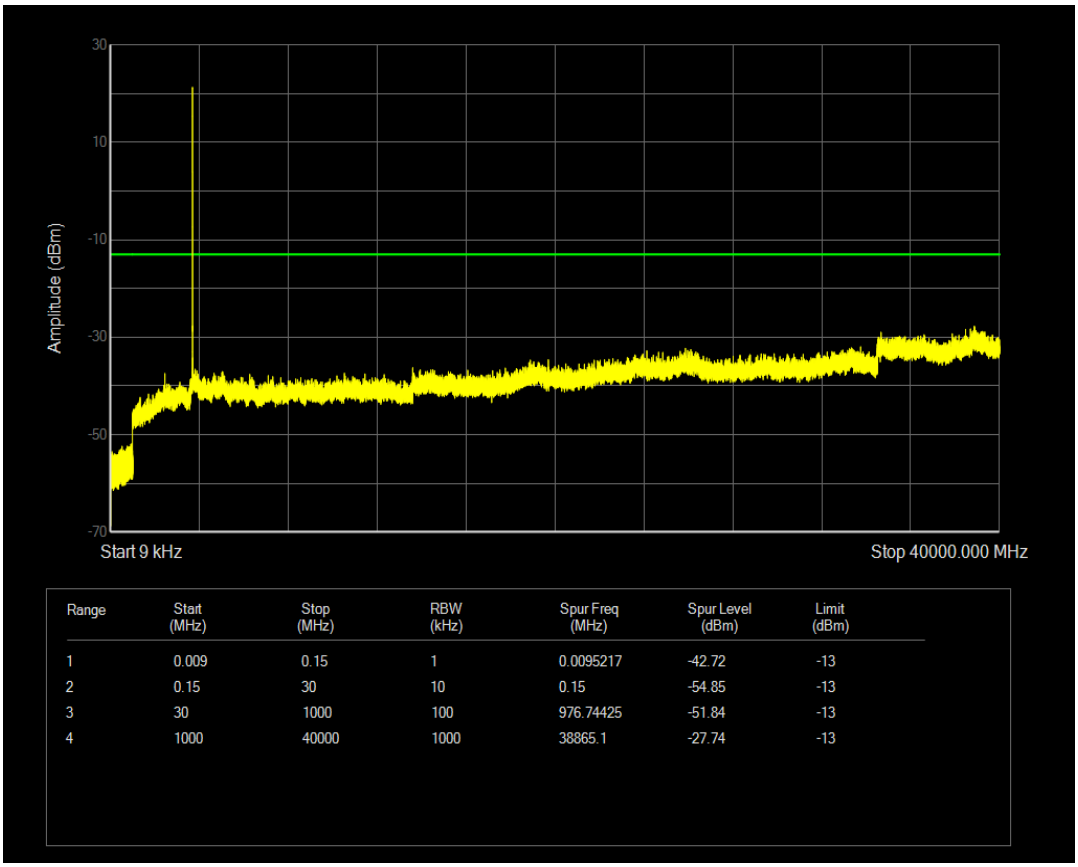
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127647	-43.2	-13
2	0.15	30	10	0.1544775	-53.49	-13
3	30	1000	100	909.5475	-51.17	-13
4	1000	40000	1000	38859.25	-28.11	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=273@0



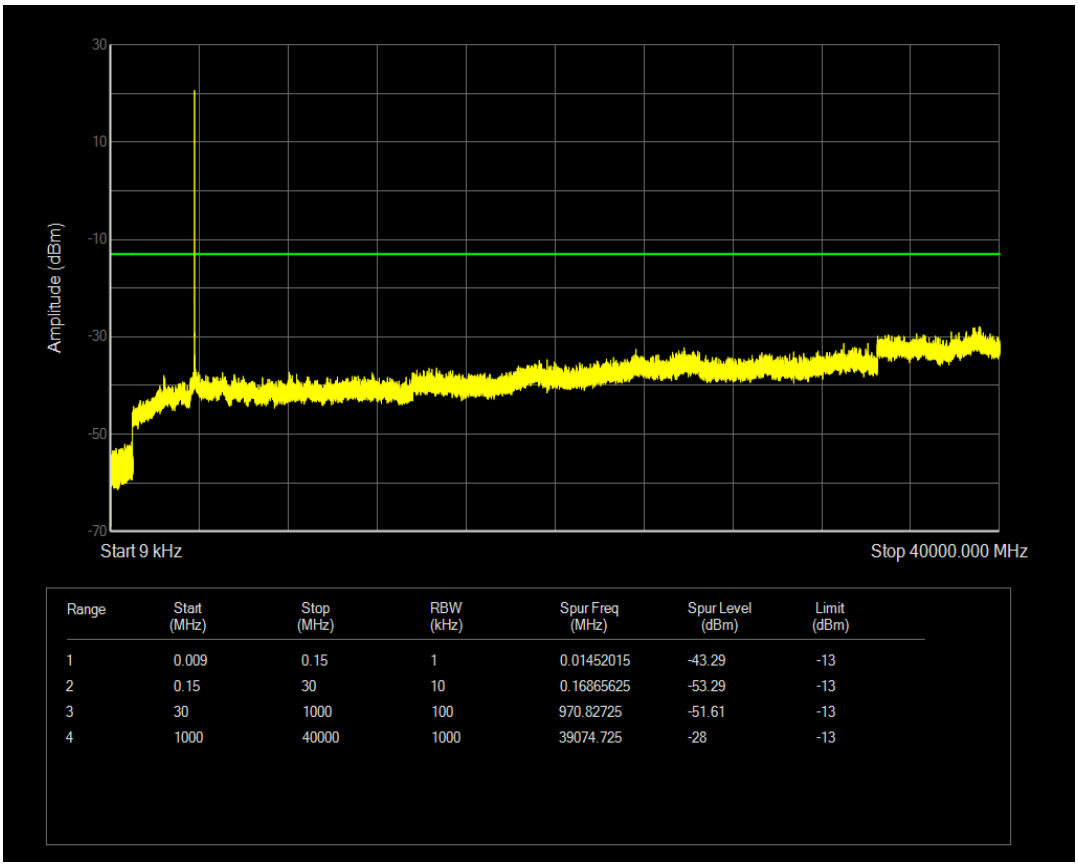
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012683625	-44.31	-13
2	0.15	30	10	0.15	-54.06	-13
3	30	1000	100	624.82825	-51.54	-13
4	1000	40000	1000	38767.6	-27.83	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@0



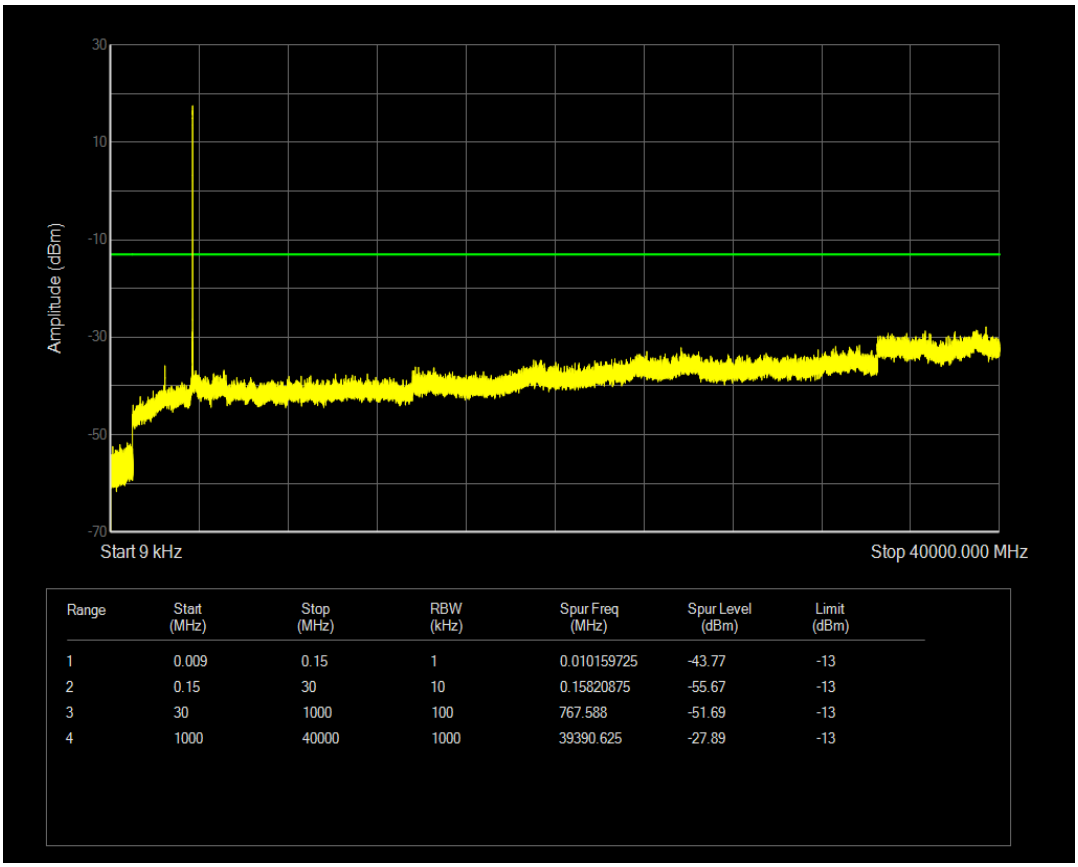
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095217	-42.72	-13
2	0.15	30	10	0.15	-54.85	-13
3	30	1000	100	976.74425	-51.84	-13
4	1000	40000	1000	38865.1	-27.74	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0



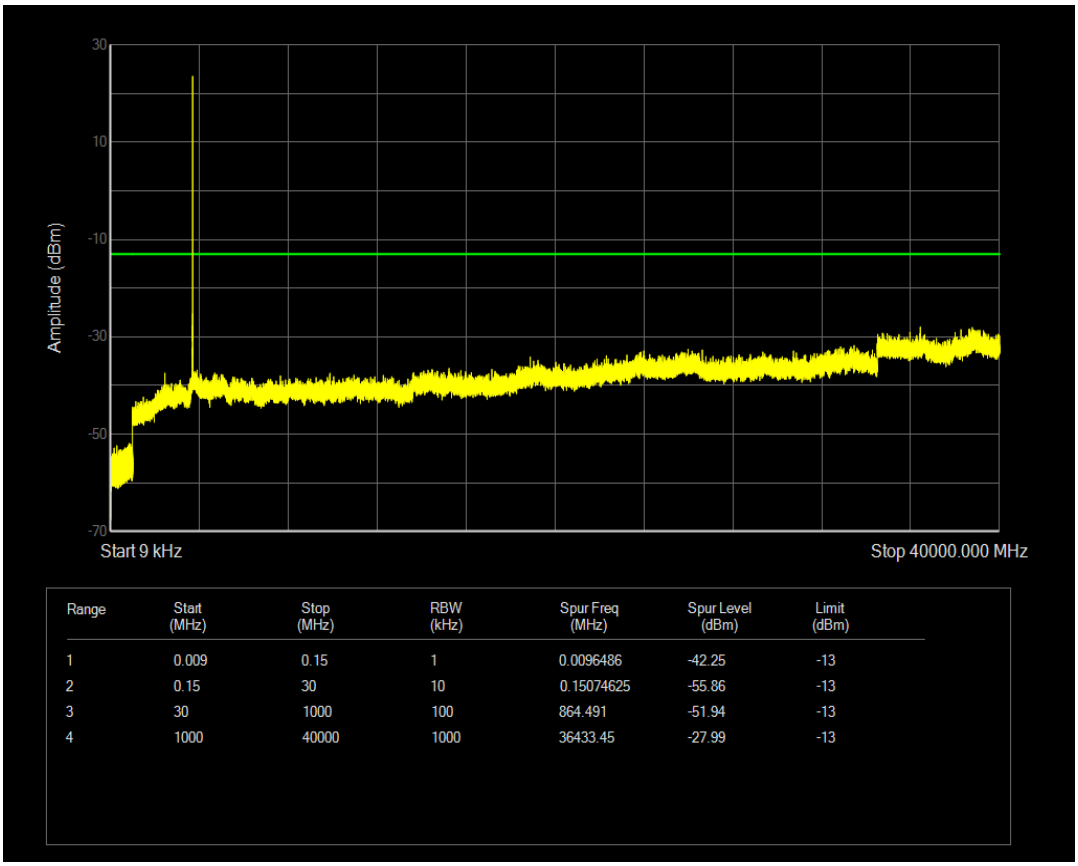
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01452015	-43.29	-13
2	0.15	30	10	0.16865625	-53.29	-13
3	30	1000	100	970.82725	-51.61	-13
4	1000	40000	1000	39074.725	-28	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=24@0



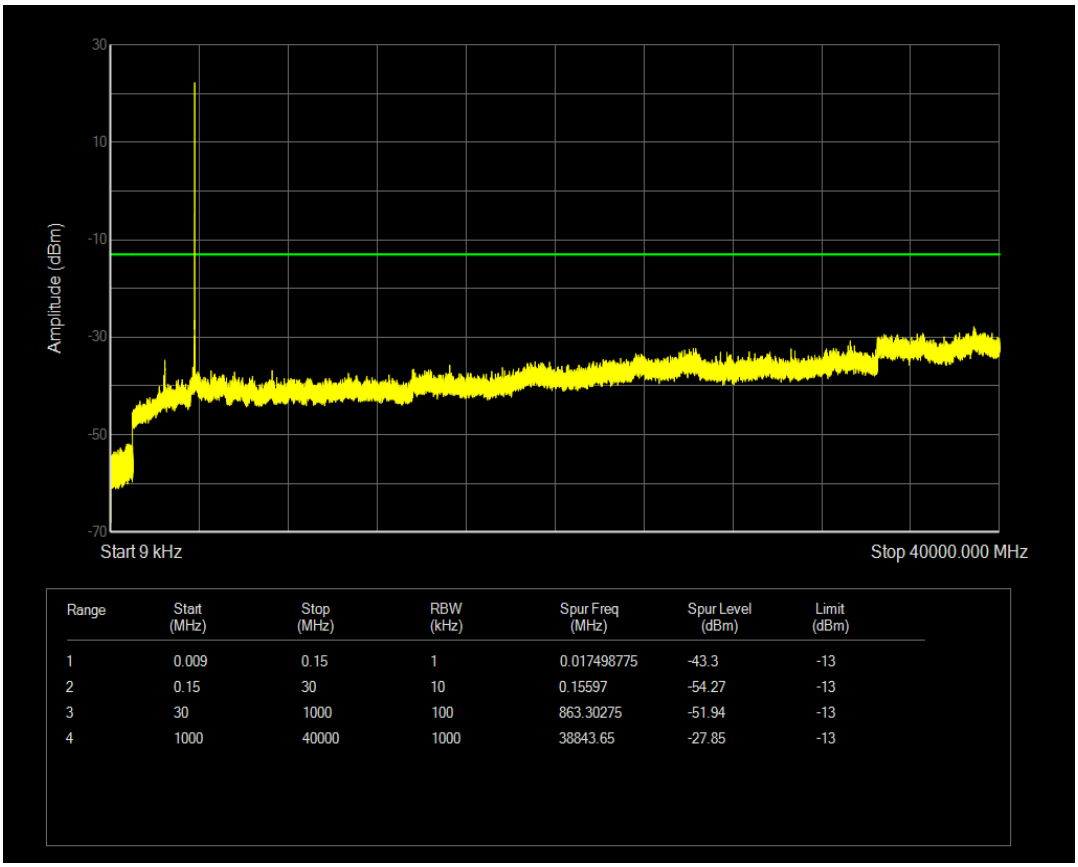
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010159725	-43.77	-13
2	0.15	30	10	0.15820875	-55.67	-13
3	30	1000	100	767.588	-51.69	-13
4	1000	40000	1000	39390.625	-27.89	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@23



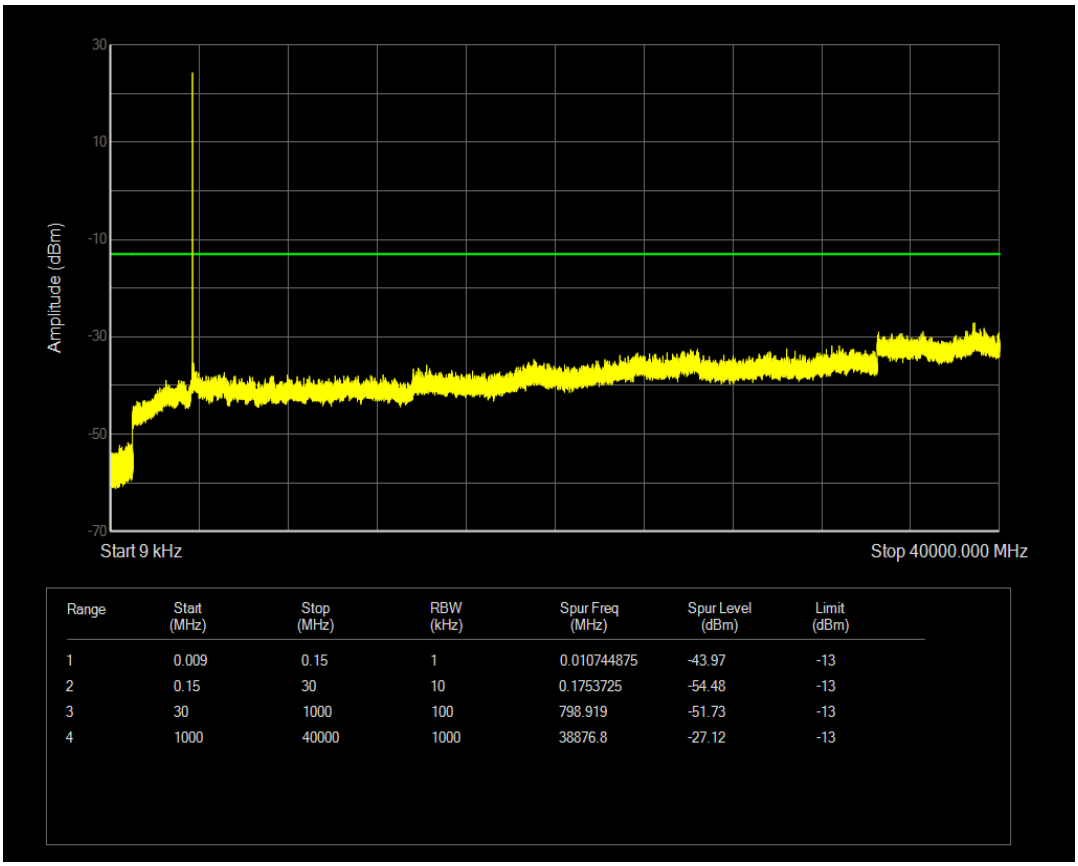
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096486	-42.25	-13
2	0.15	30	10	0.15074625	-55.86	-13
3	30	1000	100	864.491	-51.94	-13
4	1000	40000	1000	36433.45	-27.99	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23



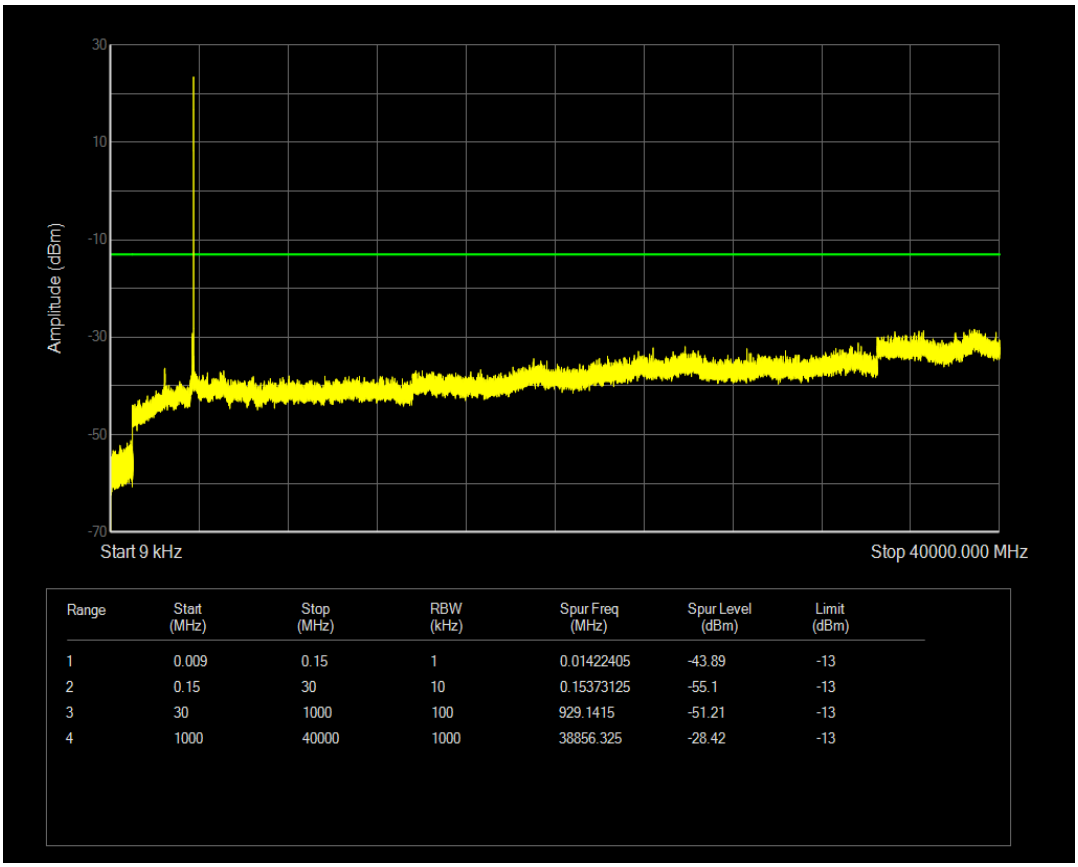
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.017498775	-43.3	-13
2	0.15	30	10	0.15597	-54.27	-13
3	30	1000	100	863.30275	-51.94	-13
4	1000	40000	1000	38843.65	-27.85	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@0



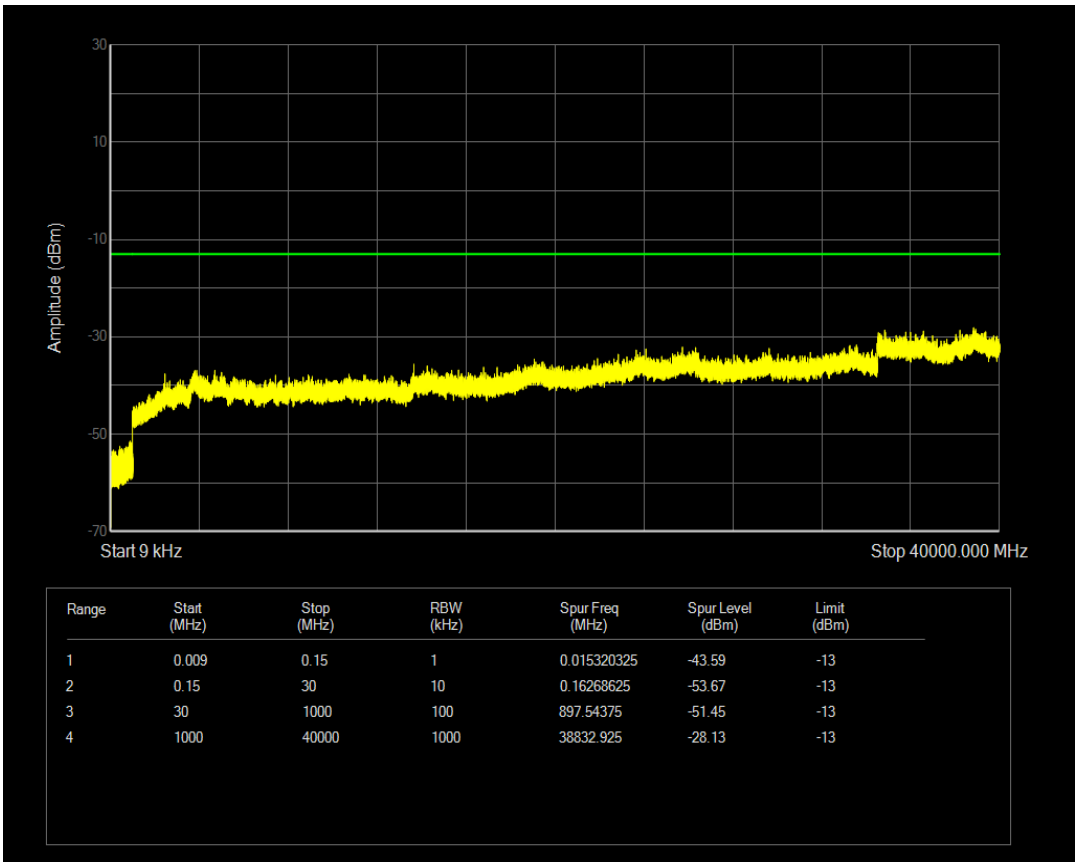
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010744875	-43.97	-13
2	0.15	30	10	0.1753725	-54.48	-13
3	30	1000	100	798.919	-51.73	-13
4	1000	40000	1000	38876.8	-27.12	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@132



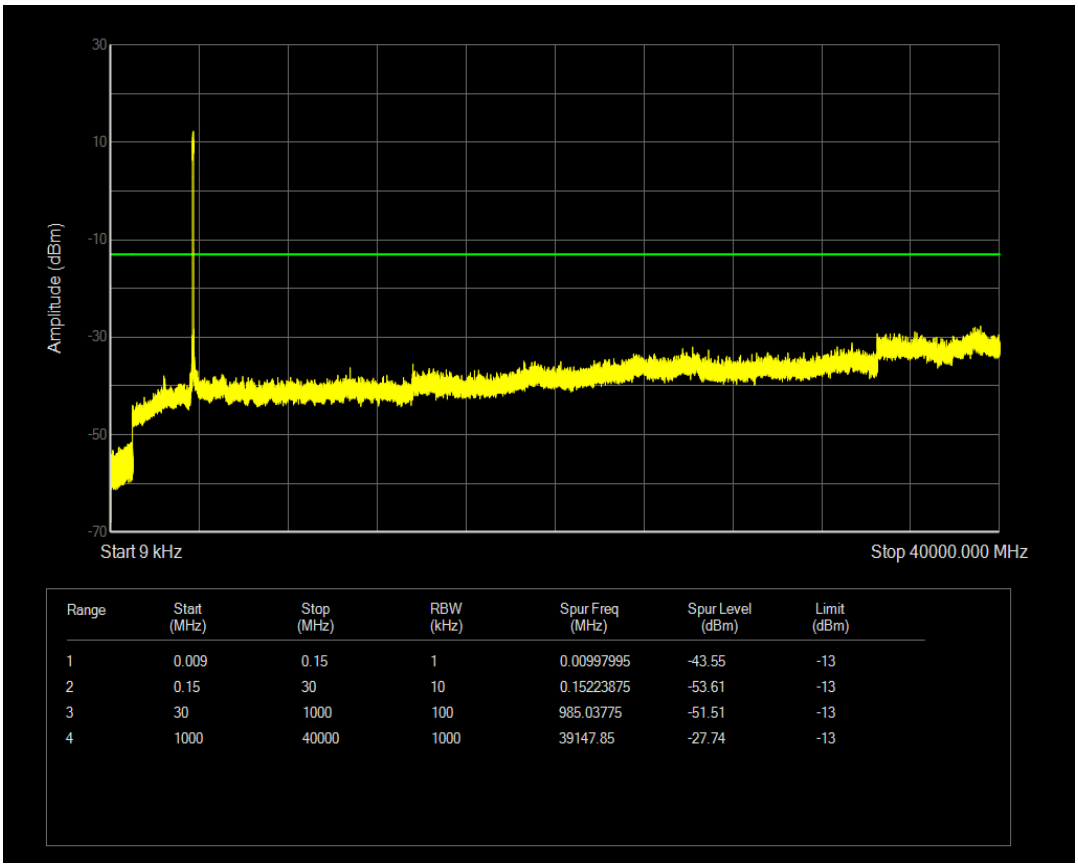
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01422405	-43.89	-13
2	0.15	30	10	0.15373125	-55.1	-13
3	30	1000	100	929.1415	-51.21	-13
4	1000	40000	1000	38856.325	-28.42	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0



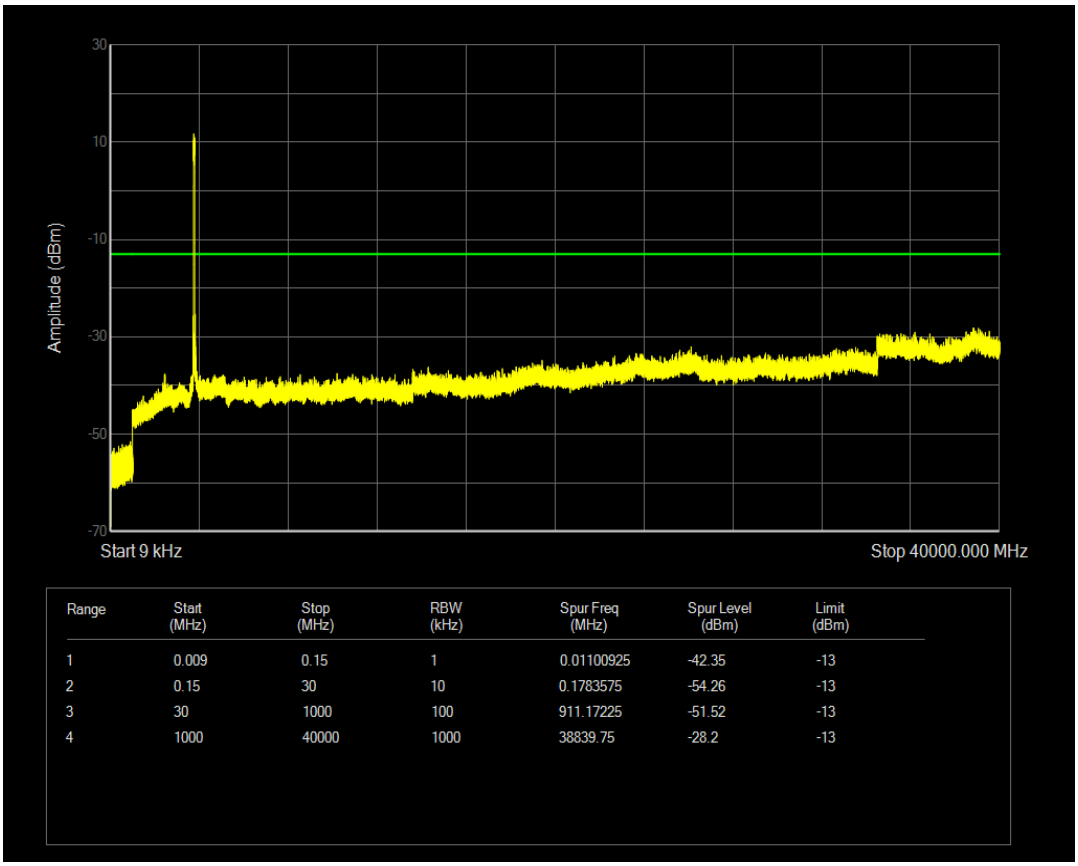
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015320325	-43.59	-13
2	0.15	30	10	0.16268625	-53.67	-13
3	30	1000	100	897.54375	-51.45	-13
4	1000	40000	1000	38832.925	-28.13	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=133@0



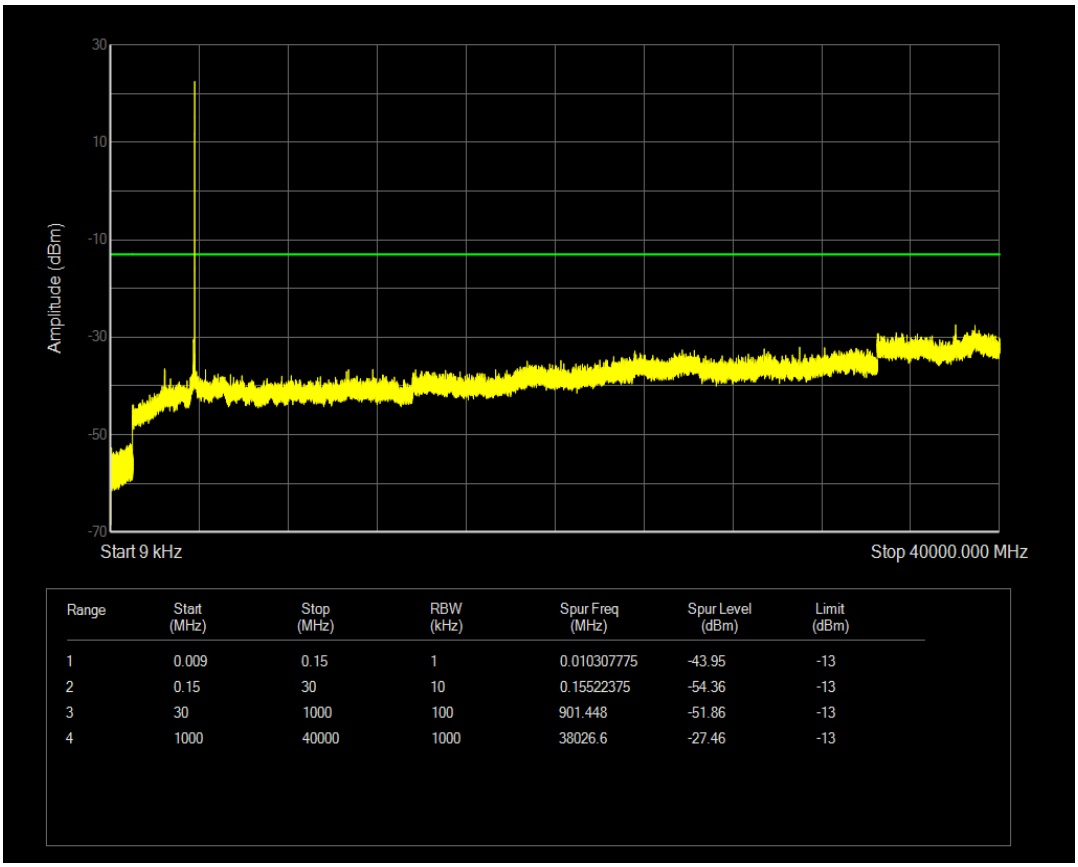
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00997995	-43.55	-13
2	0.15	30	10	0.15223875	-53.61	-13
3	30	1000	100	985.03775	-51.51	-13
4	1000	40000	1000	39147.85	-27.74	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0



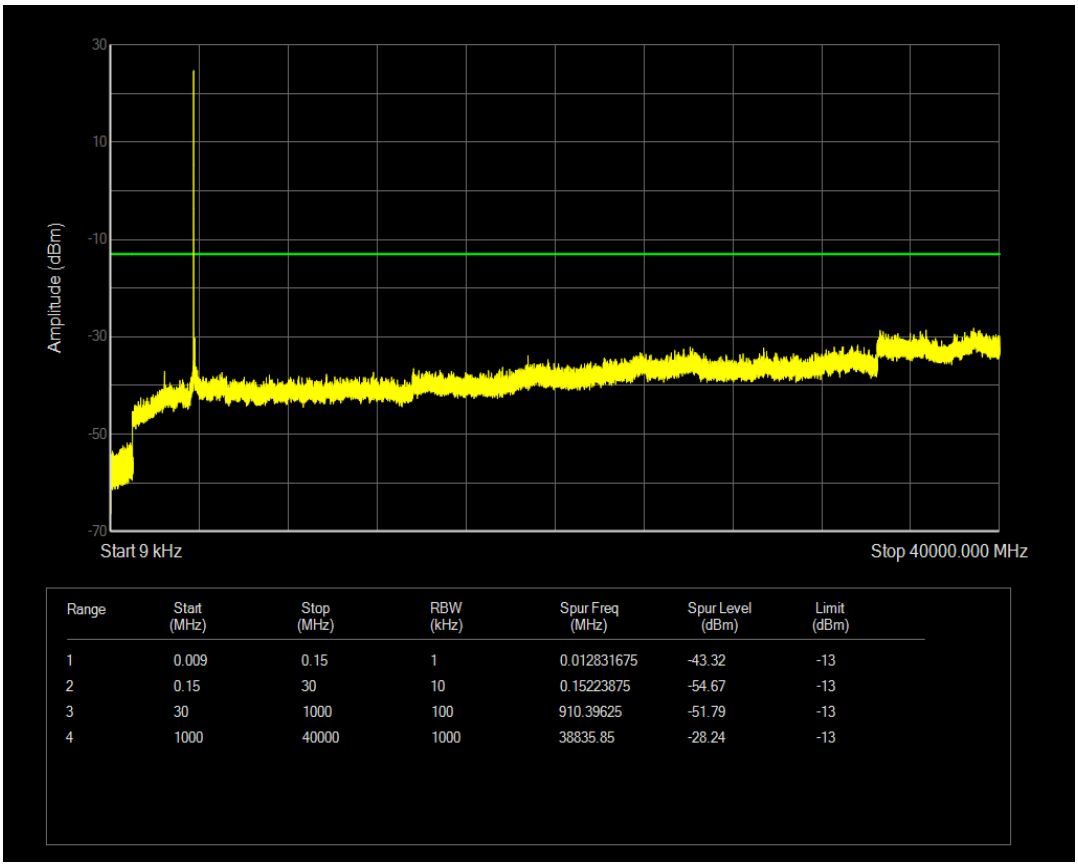
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01100925	-42.35	-13
2	0.15	30	10	0.1783575	-54.26	-13
3	30	1000	100	911.17225	-51.52	-13
4	1000	40000	1000	38839.75	-28.2	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@132



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010307775	-43.95	-13
2	0.15	30	10	0.15522375	-54.36	-13
3	30	1000	100	901.448	-51.86	-13
4	1000	40000	1000	38026.6	-27.46	-13

n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012831675	-43.32	-13
2	0.15	30	10	0.15223875	-54.67	-13
3	30	1000	100	910.39625	-51.79	-13
4	1000	40000	1000	38835.85	-28.24	-13