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=80MHz Channel=650000 RB=216@0

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

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

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=100MHz Channel=650000 RB=270@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=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QAM64 BW=40MHz Channel=650000 RB=100@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=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=70MHz Channel=650000 RB=180@0

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

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

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

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

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

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

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

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

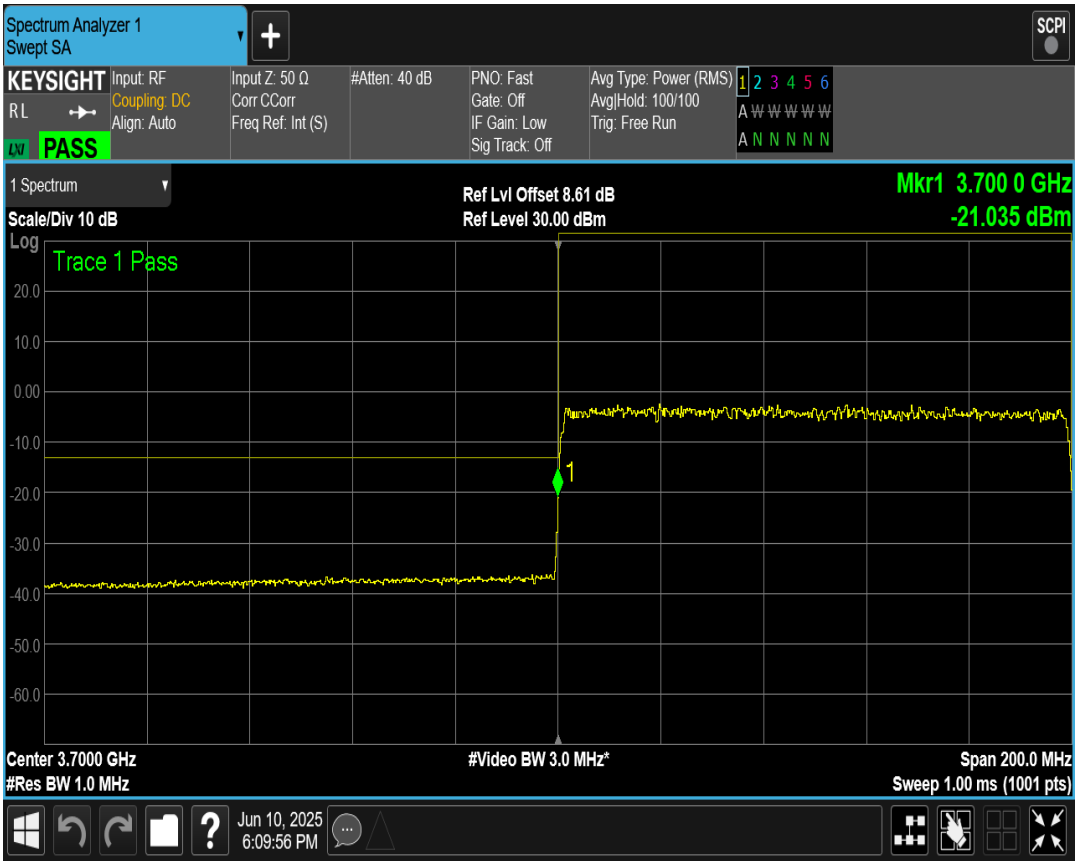
n78(3700-3800) SCS=30kHz DFT_QPSK BW=60MHz Channel=650000 RB=162@0

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

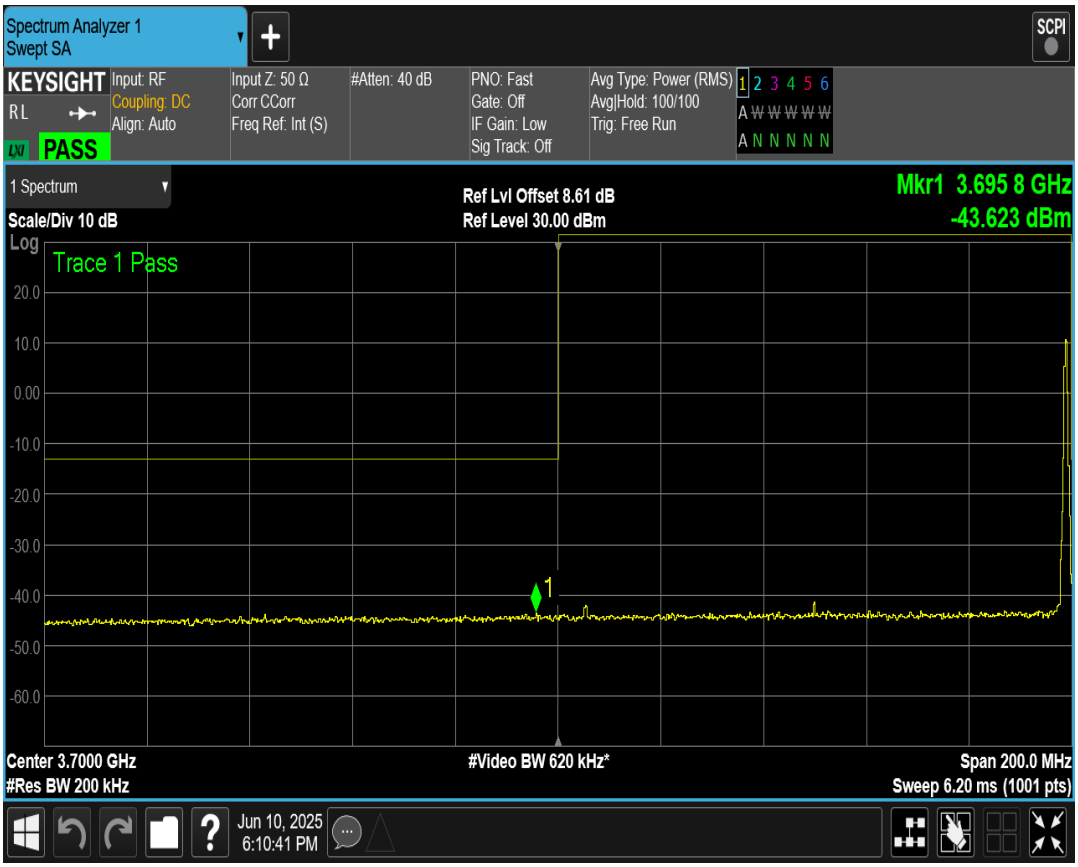
5 Band edge for NR FR1

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	3699.94	-44.24	-13	PASS
n78(3700-3800)	30	10	647000	1@0	CP_QPSK	3700.00	-36.91	-13	PASS
n78(3700-3800)	30	10	647000	1@23	CP_QPSK	3694.30	-43.11	-13	PASS
n78(3700-3800)	30	10	653000	24@0	CP_QPSK	3800.10	-43.16	-13	PASS
n78(3700-3800)	30	10	653000	1@0	CP_QPSK	3805.58	-42.57	-13	PASS
n78(3700-3800)	30	10	653000	1@23	CP_QPSK	3800.06	-33.93	-13	PASS
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	3700.00	-38.31	-13	PASS
n78(3700-3800)	30	50	648334	1@0	CP_QPSK	3700.00	-42.04	-13	PASS
n78(3700-3800)	30	50	648334	1@132	CP_QPSK	3690.50	-43.88	-13	PASS
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	3800.10	-37.88	-13	PASS
n78(3700-3800)	30	50	651666	1@0	CP_QPSK	3833.10	-43.24	-13	PASS
n78(3700-3800)	30	50	651666	1@132	CP_QPSK	3800.00	-34.40	-13	PASS
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	3700.00	-21.03	-13	PASS
n78(3700-3800)	30	100	650000	1@0	CP_QPSK	3700.00	-32.83	-13	PASS
n78(3700-3800)	30	100	650000	1@272	CP_QPSK	3695.80	-43.62	-13	PASS

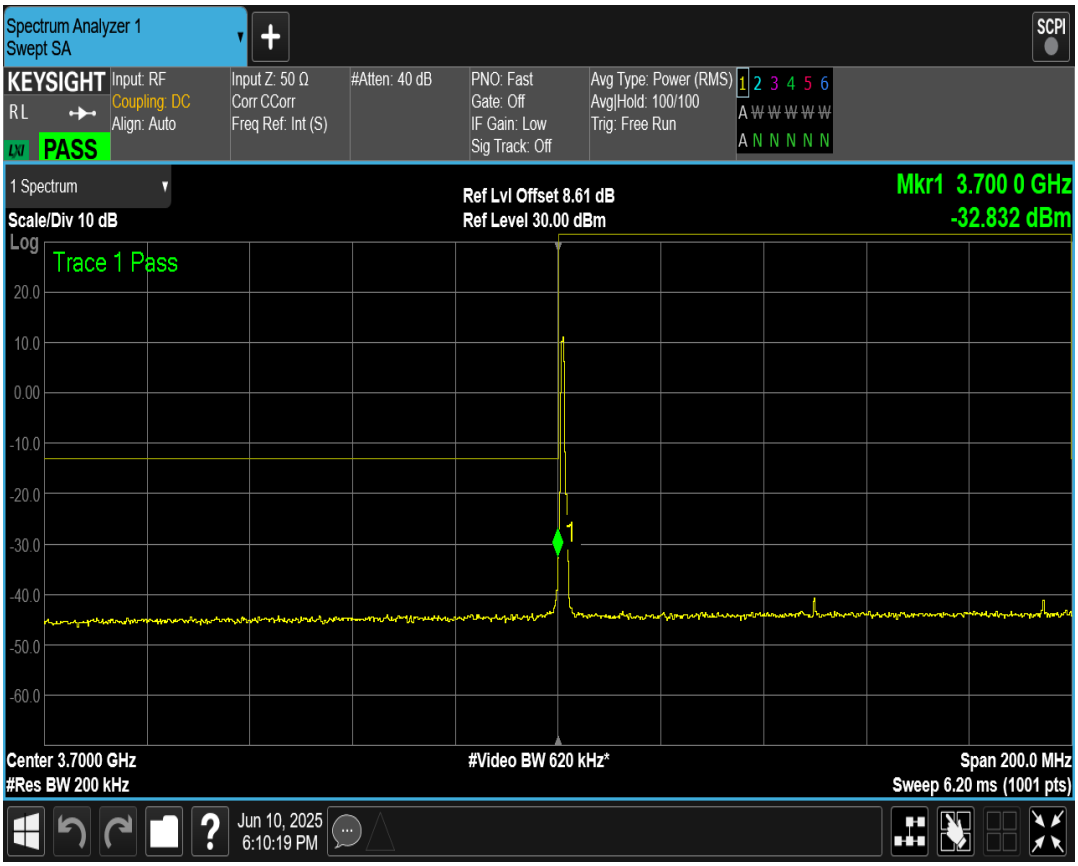
n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=273@0



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

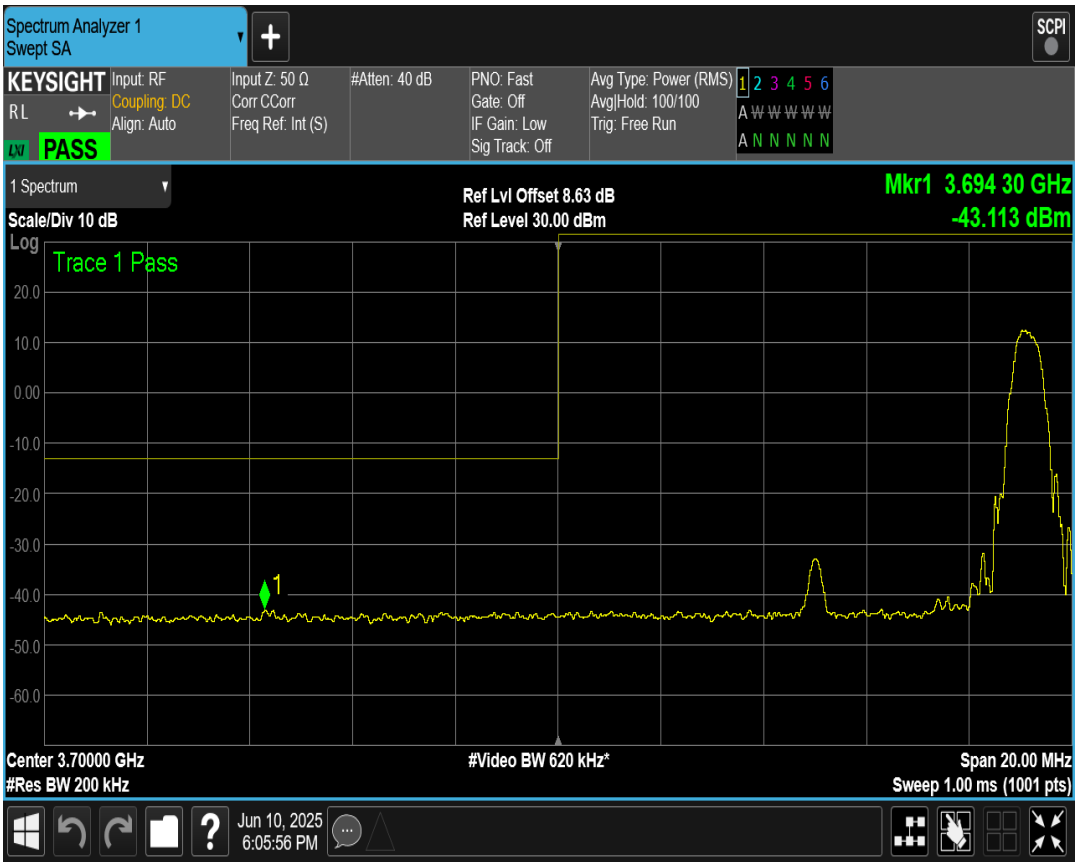


n78(3700-3800) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0

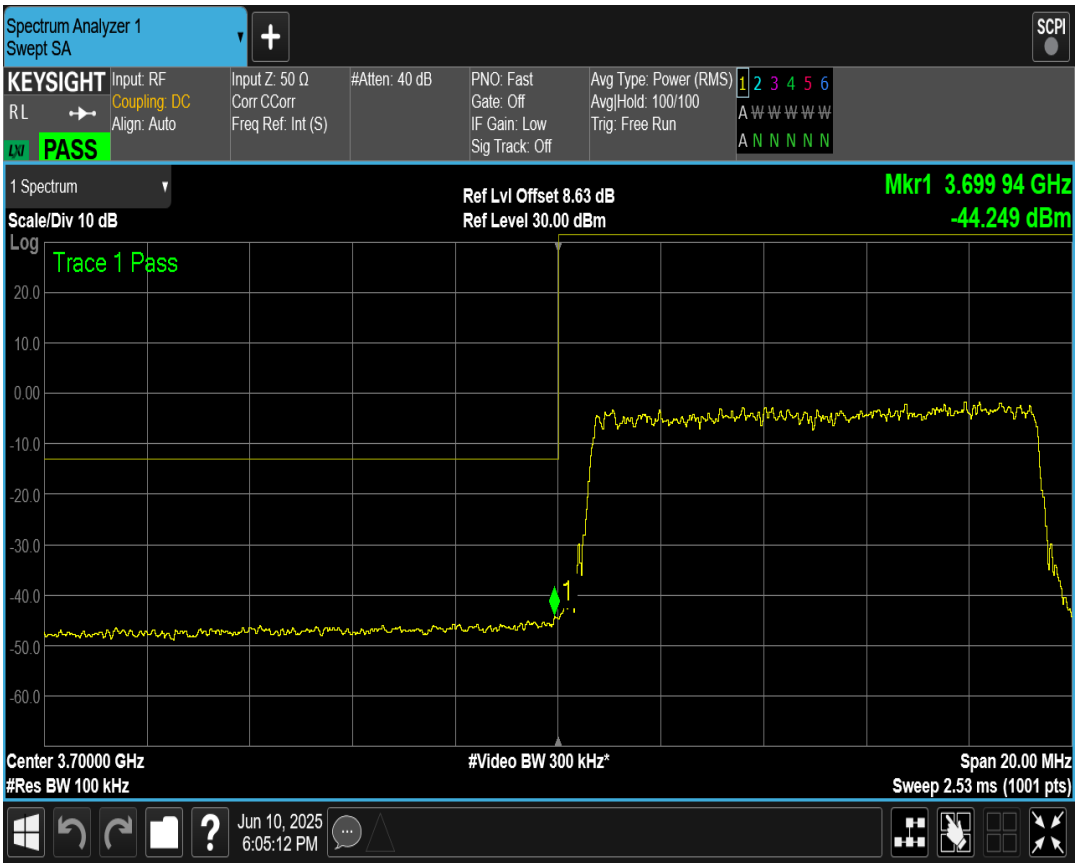


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@0

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



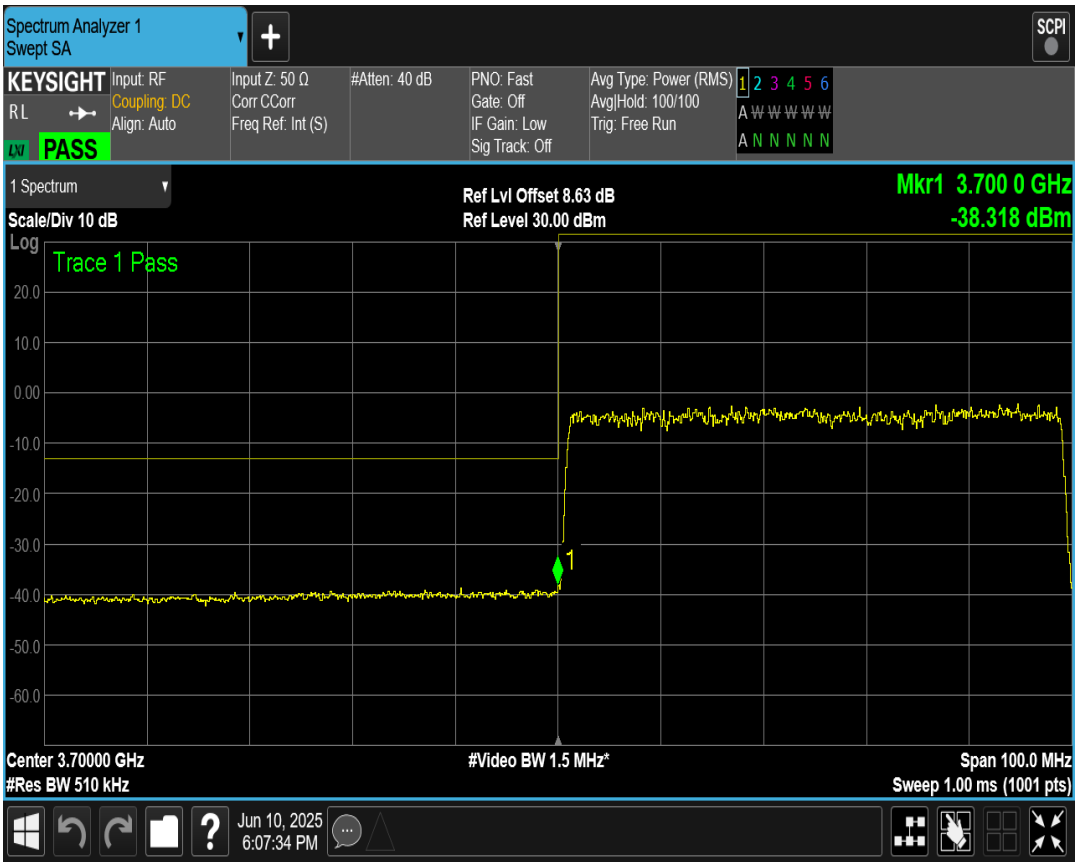
n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=24@0



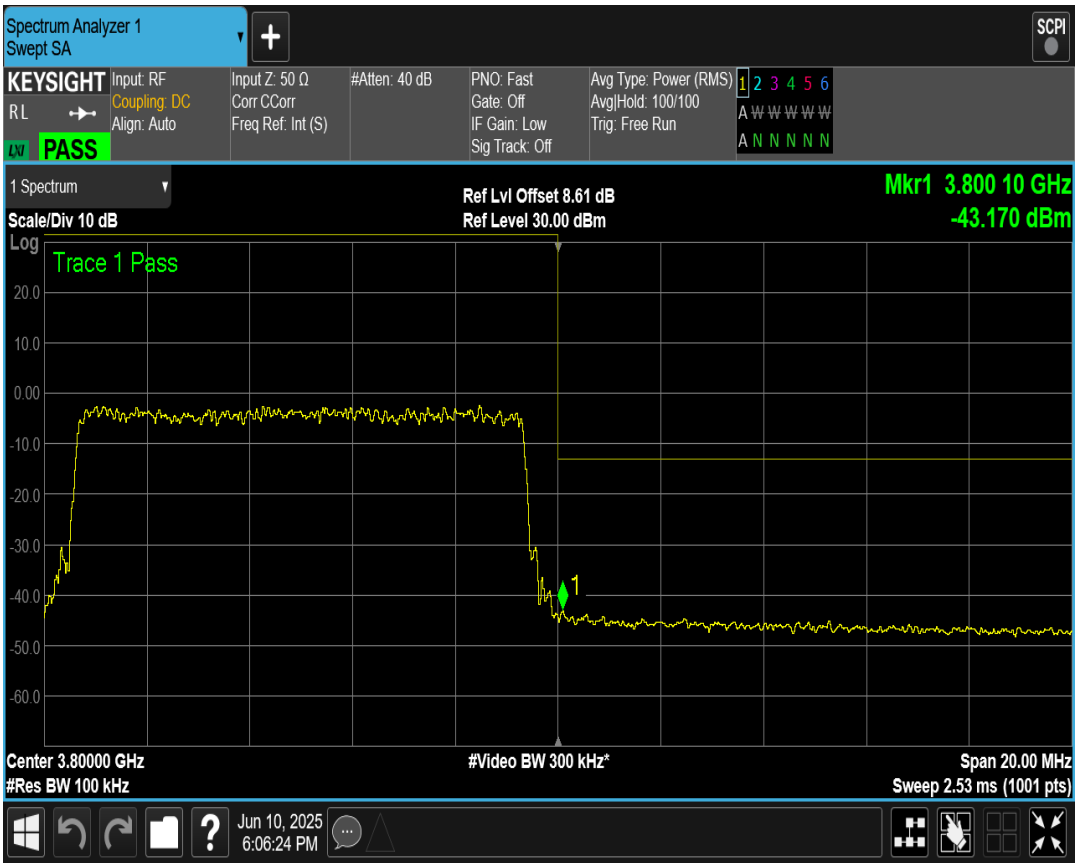
n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23

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

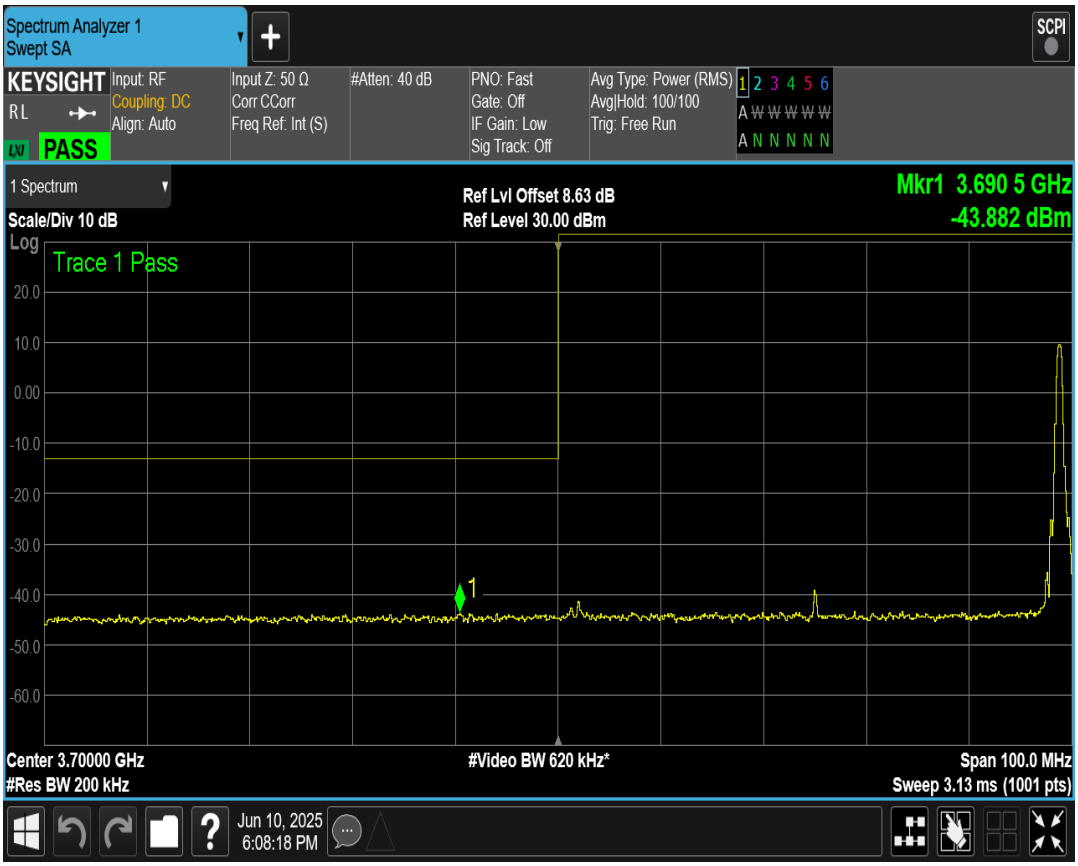
n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=133@0



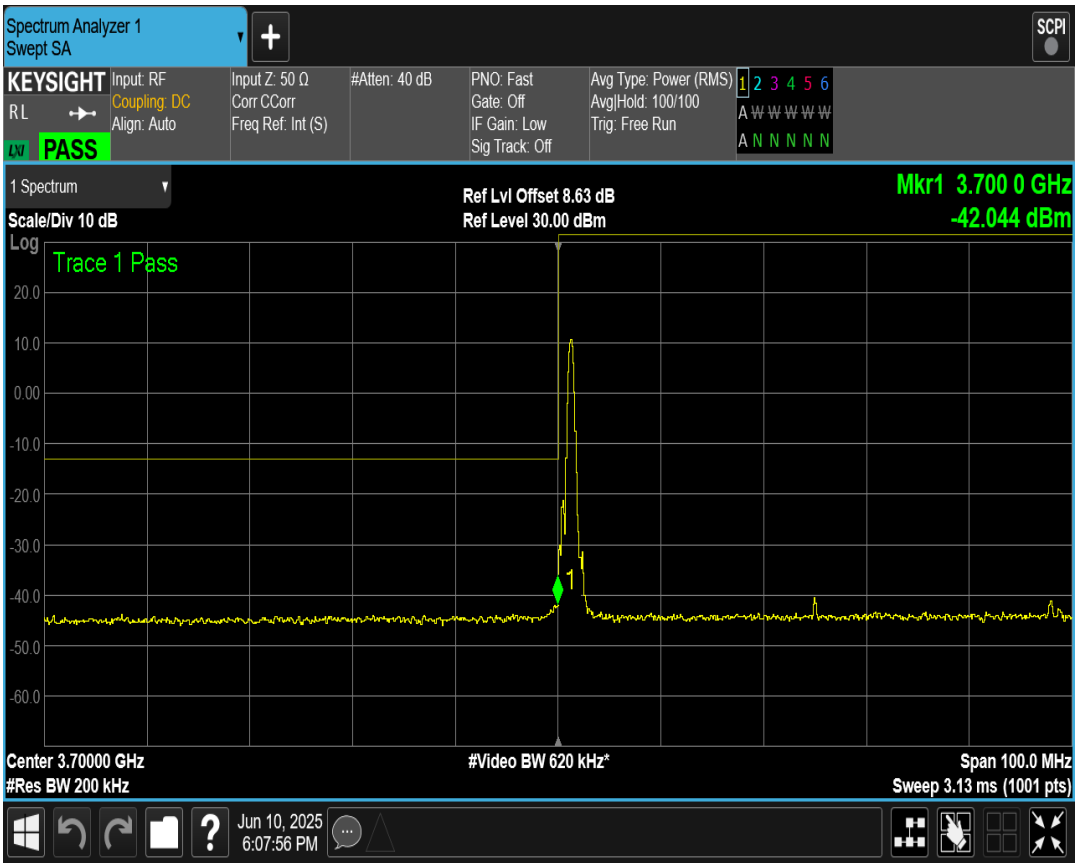
n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0



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

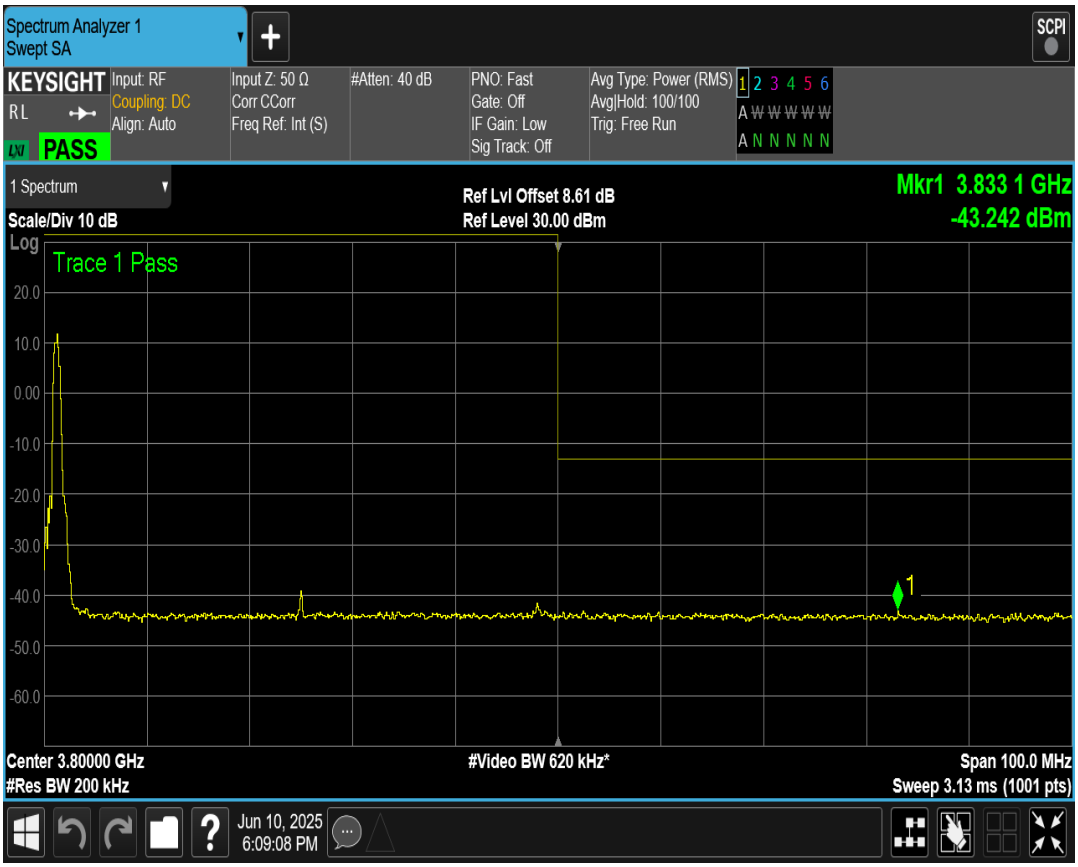


n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@0

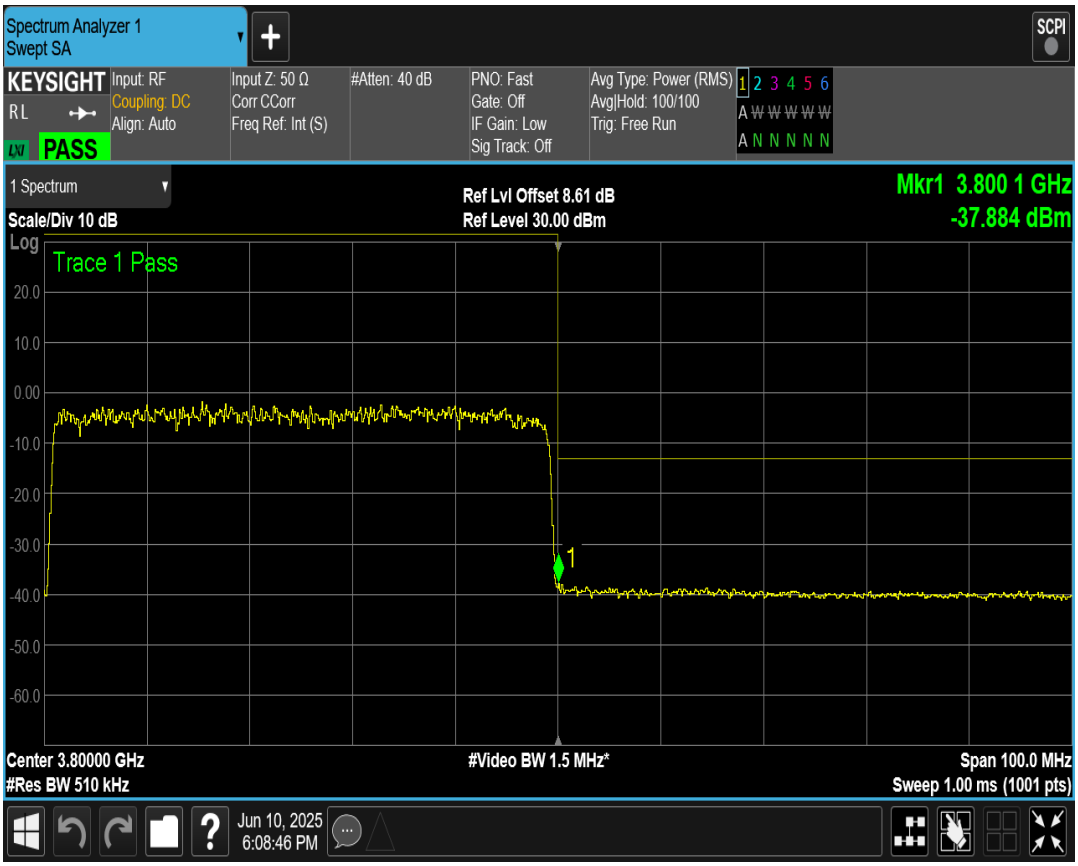


n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@132

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



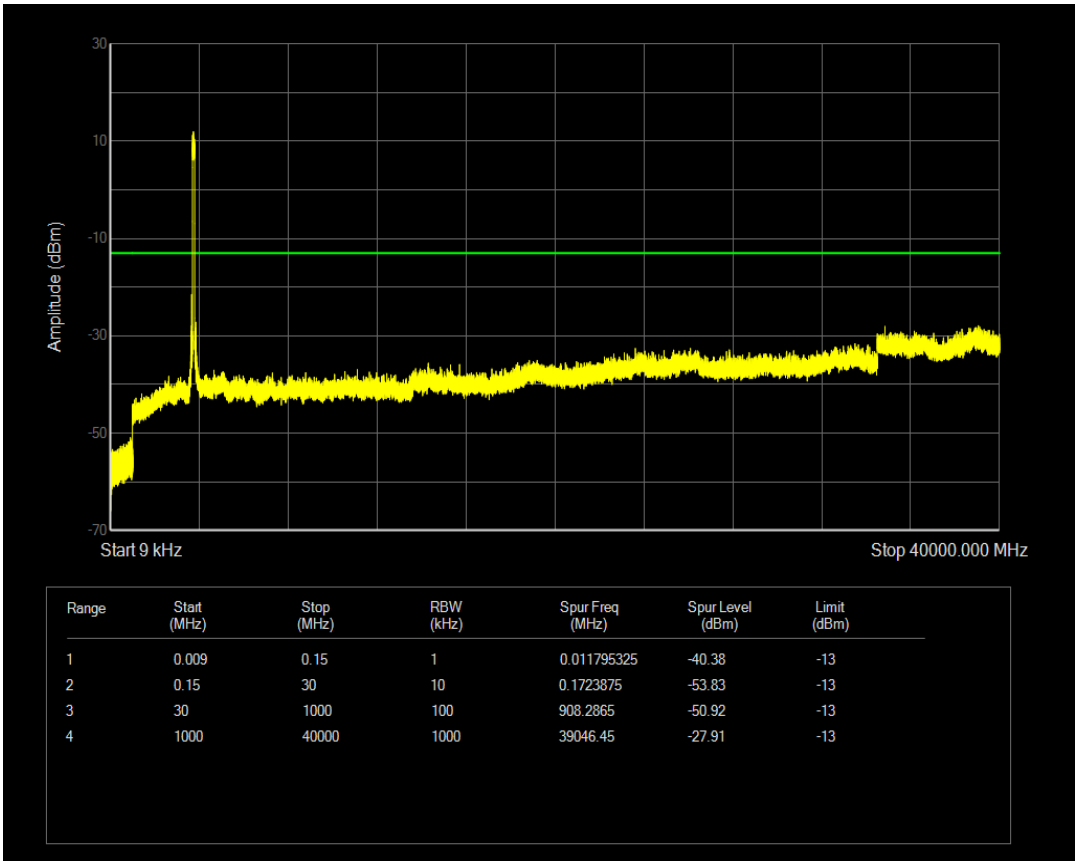
n78(3700-3800) SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0



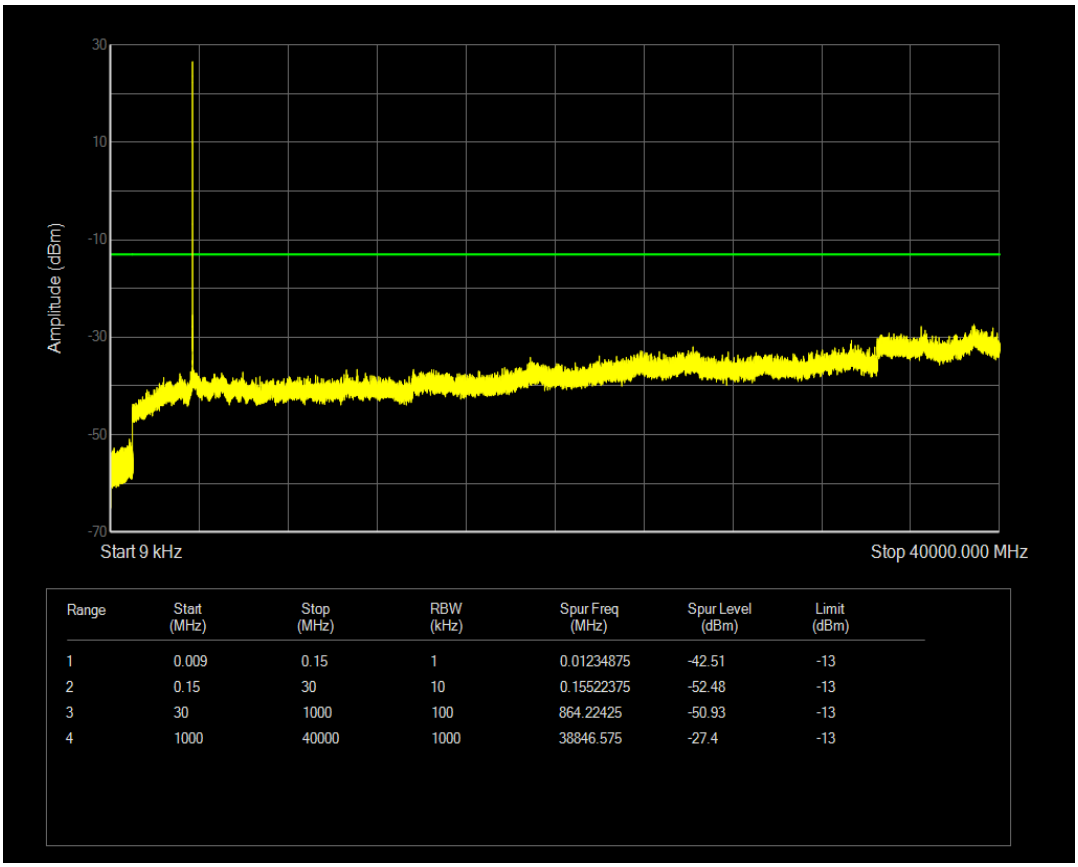
6 Out-of-band emissions for NR FR1

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	39125.43	-27.65	-13	PASS
n78(3700-3800)	30	10	647000	1@0	CP_QPSK	38846.58	-27.40	-13	PASS
n78(3700-3800)	30	10	647000	1@23	CP_QPSK	38835.85	-27.99	-13	PASS
n78(3700-3800)	30	10	653000	24@0	CP_QPSK	38886.55	-27.81	-13	PASS
n78(3700-3800)	30	10	653000	1@0	CP_QPSK	39031.83	-28.18	-13	PASS
n78(3700-3800)	30	10	653000	1@23	CP_QPSK	38834.88	-27.42	-13	PASS
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	38907.03	-27.06	-13	PASS
n78(3700-3800)	30	50	648334	1@0	CP_QPSK	39362.35	-27.61	-13	PASS
n78(3700-3800)	30	50	648334	1@132	CP_QPSK	38929.45	-27.44	-13	PASS
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	38881.68	-27.82	-13	PASS
n78(3700-3800)	30	50	651666	1@0	CP_QPSK	39551.50	-28.04	-13	PASS
n78(3700-3800)	30	50	651666	1@132	CP_QPSK	38816.35	-27.67	-13	PASS
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	39046.45	-27.91	-13	PASS
n78(3700-3800)	30	100	650000	1@0	CP_QPSK	38836.83	-28.16	-13	PASS
n78(3700-3800)	30	100	650000	1@272	CP_QPSK	38856.33	-27.95	-13	PASS

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

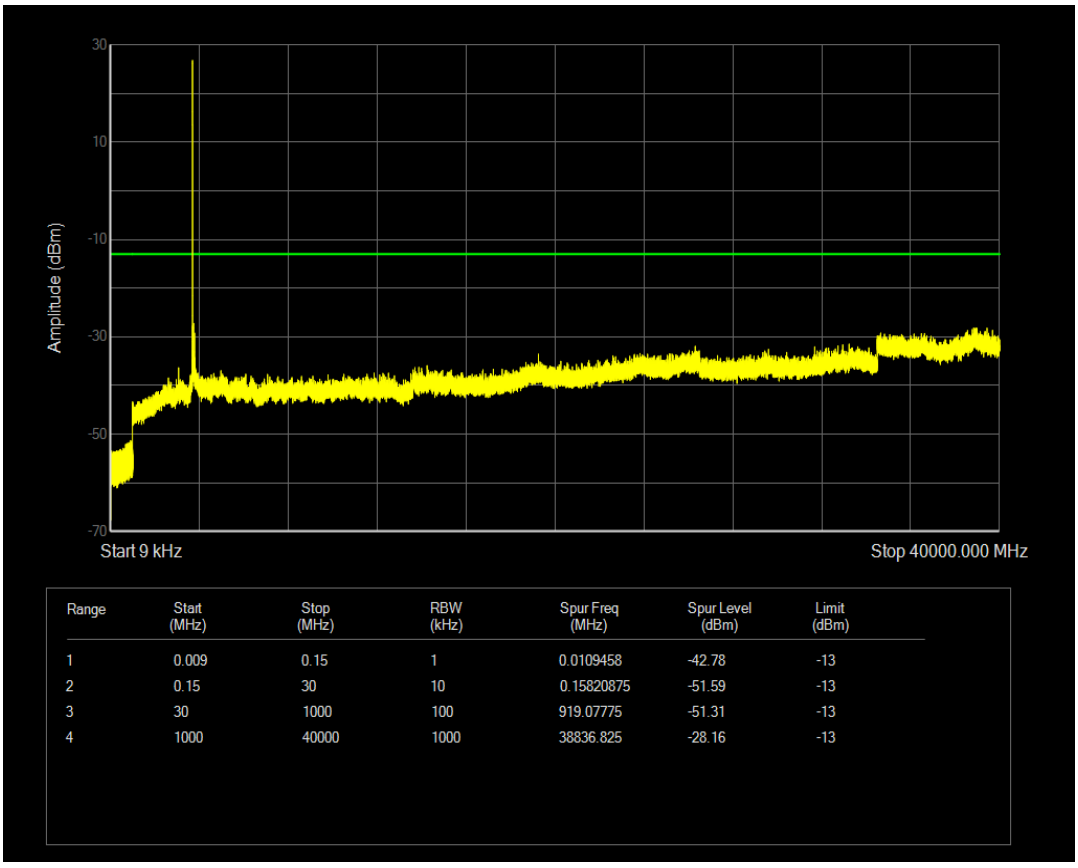


n78(3700-3800) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@0



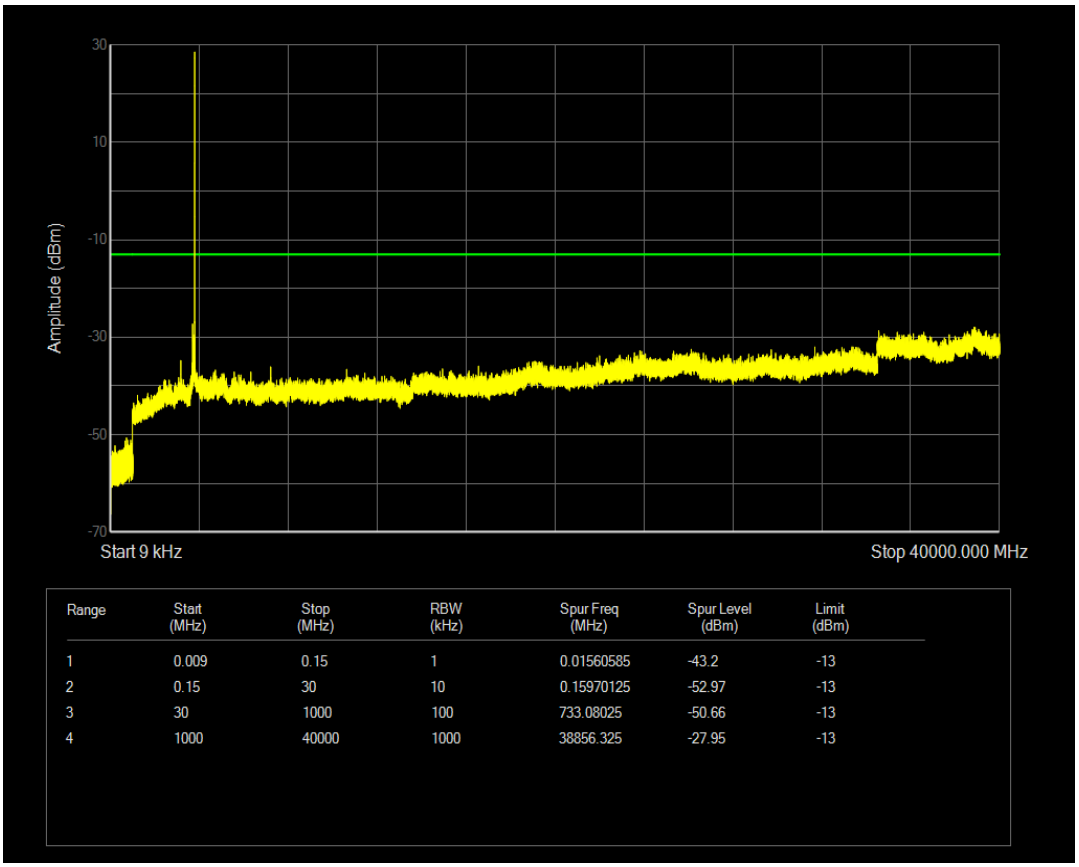
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01234875	-42.51	-13
2	0.15	30	10	0.15522375	-52.48	-13
3	30	1000	100	864.22425	-50.93	-13
4	1000	40000	1000	38846.575	-27.4	-13

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



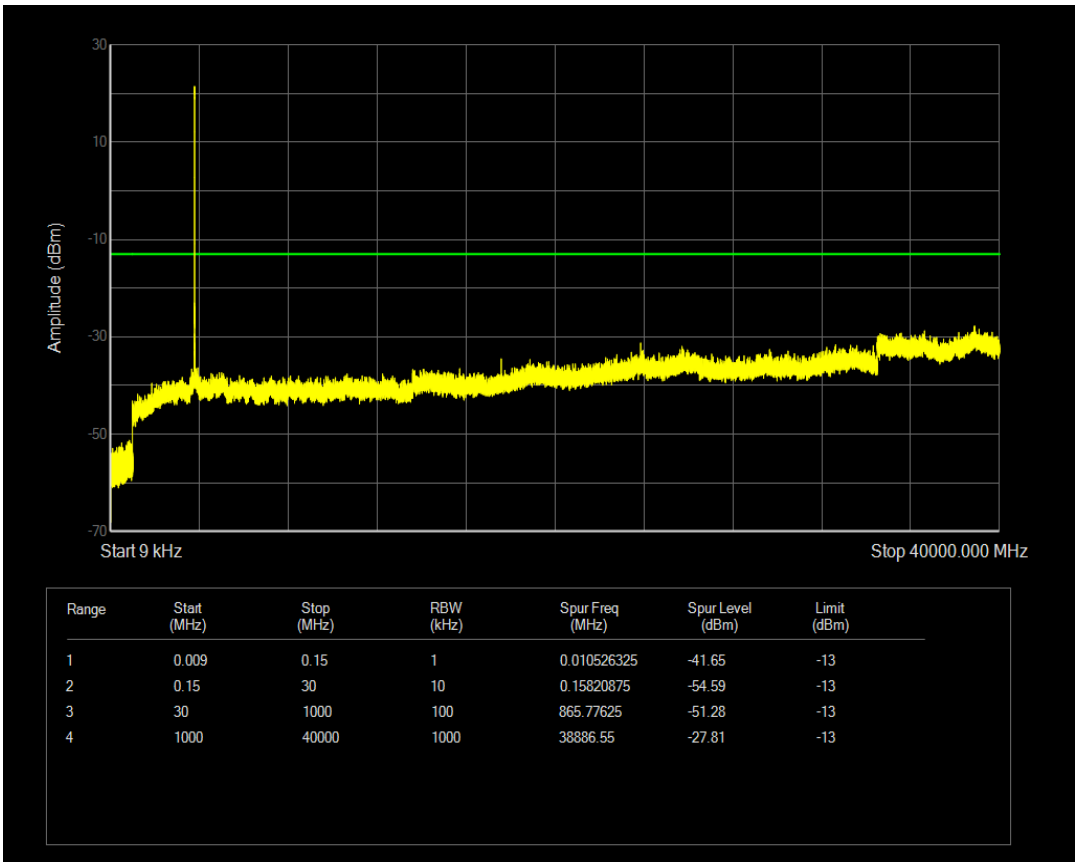
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109458	-42.78	-13
2	0.15	30	10	0.15820875	-51.59	-13
3	30	1000	100	919.07775	-51.31	-13
4	1000	40000	1000	38836.825	-28.16	-13

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



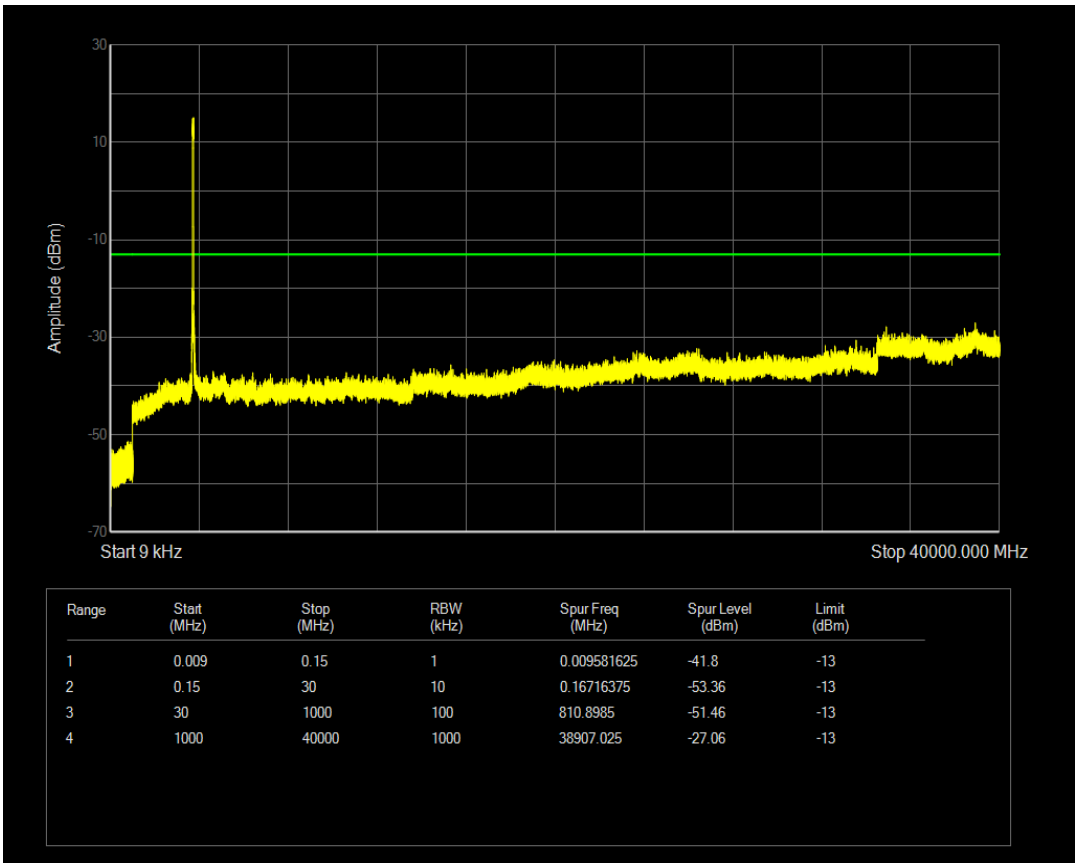
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01560585	-43.2	-13
2	0.15	30	10	0.15970125	-52.97	-13
3	30	1000	100	733.08025	-50.66	-13
4	1000	40000	1000	38856.325	-27.95	-13

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



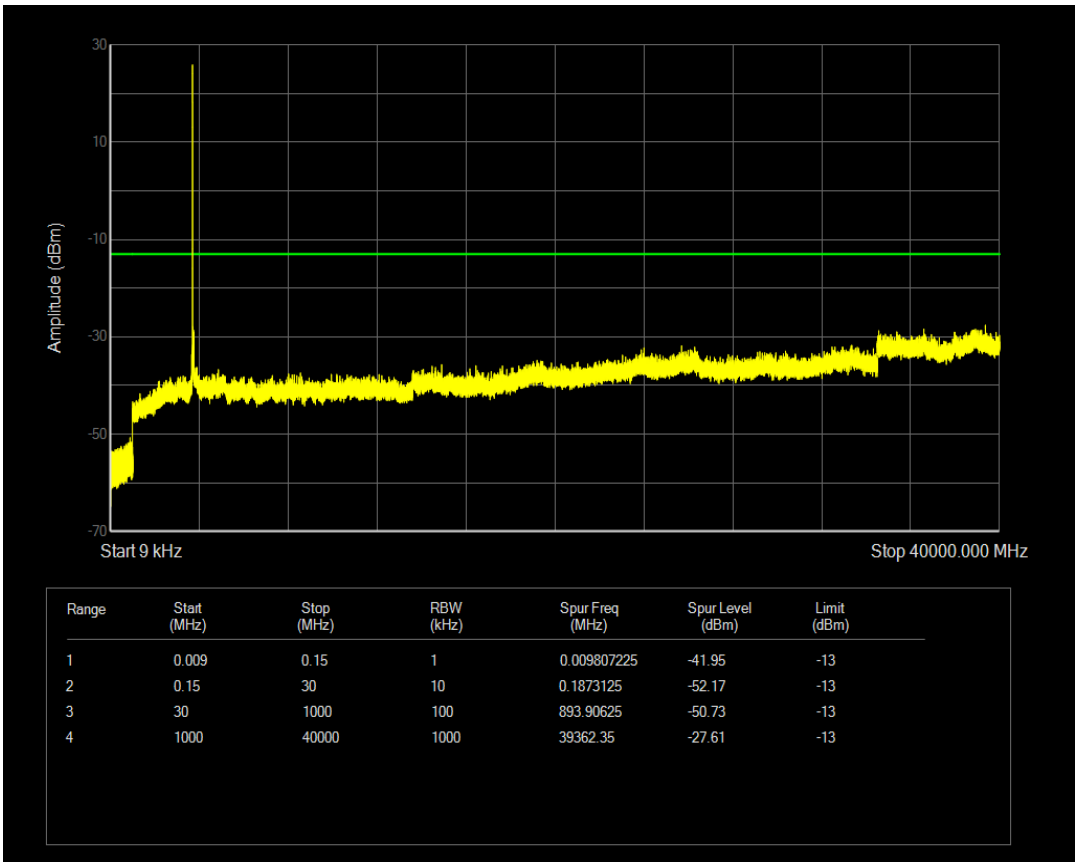
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010526325	-41.65	-13
2	0.15	30	10	0.15820875	-54.59	-13
3	30	1000	100	865.77625	-51.28	-13
4	1000	40000	1000	38886.55	-27.81	-13

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



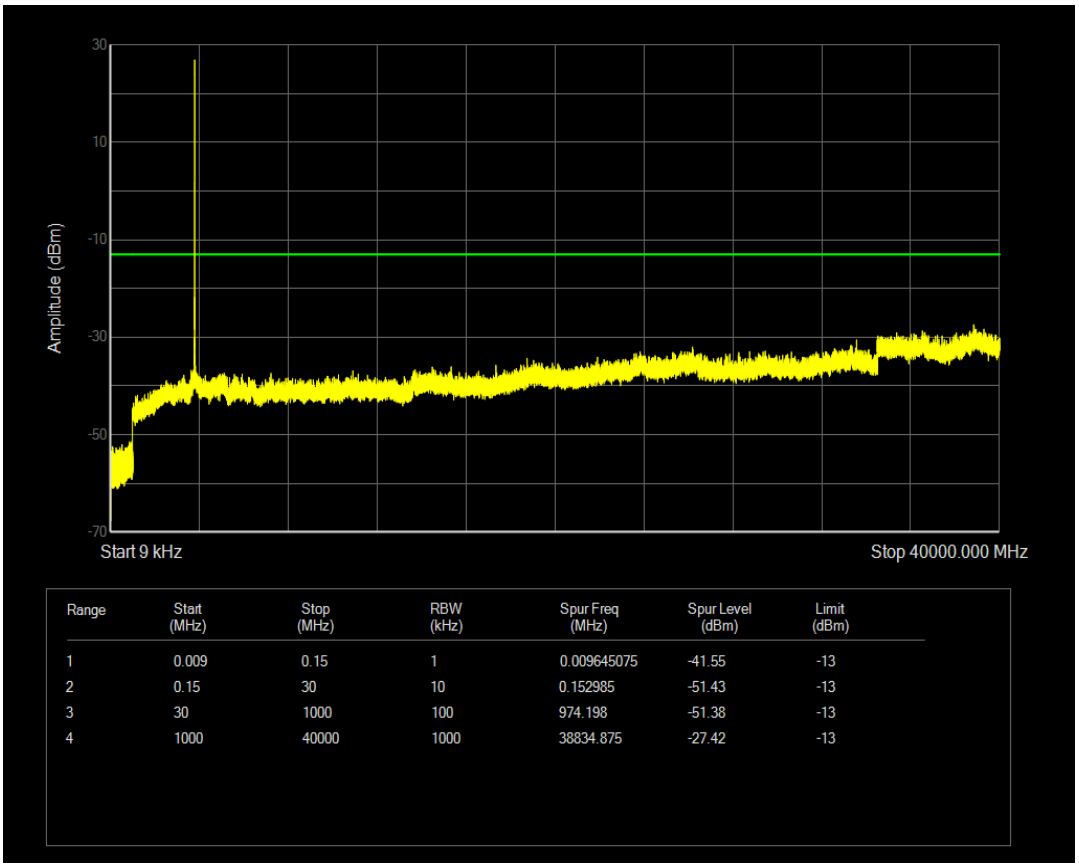
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009581625	-41.8	-13
2	0.15	30	10	0.16716375	-53.36	-13
3	30	1000	100	810.8985	-51.46	-13
4	1000	40000	1000	38907.025	-27.06	-13

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



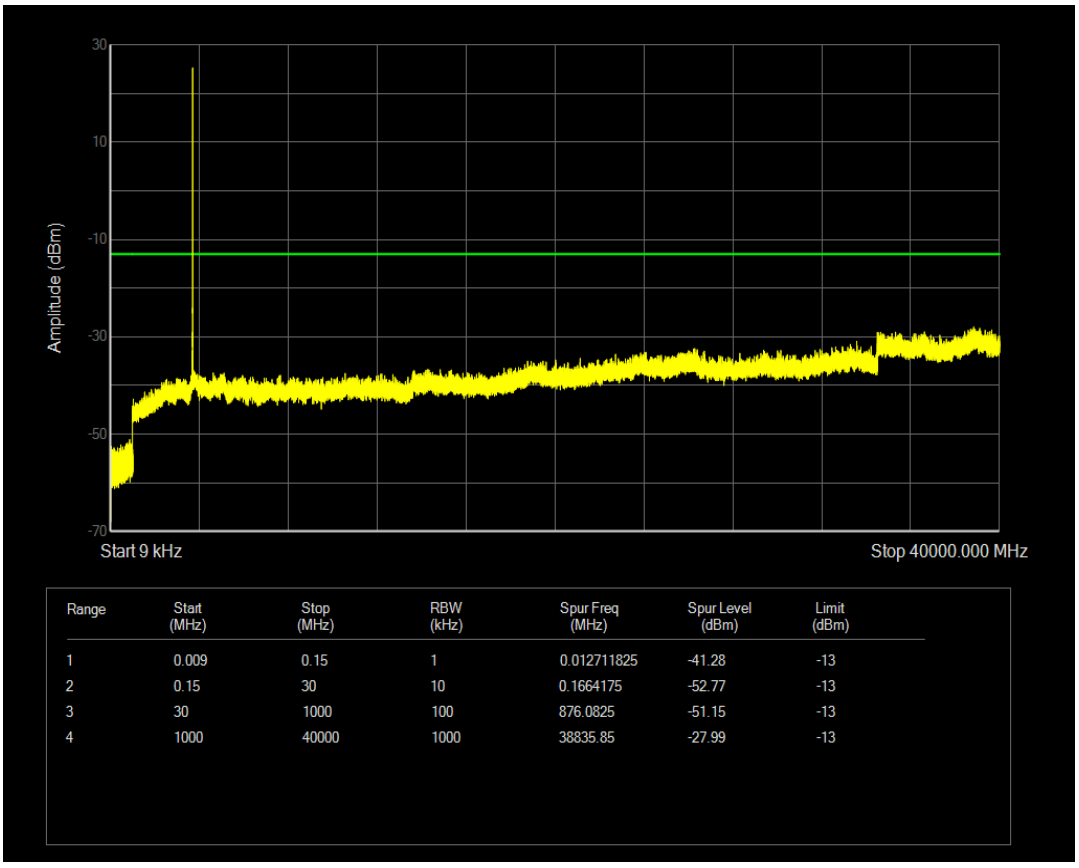
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009807225	-41.95	-13
2	0.15	30	10	0.1873125	-52.17	-13
3	30	1000	100	893.90625	-50.73	-13
4	1000	40000	1000	39362.35	-27.61	-13

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



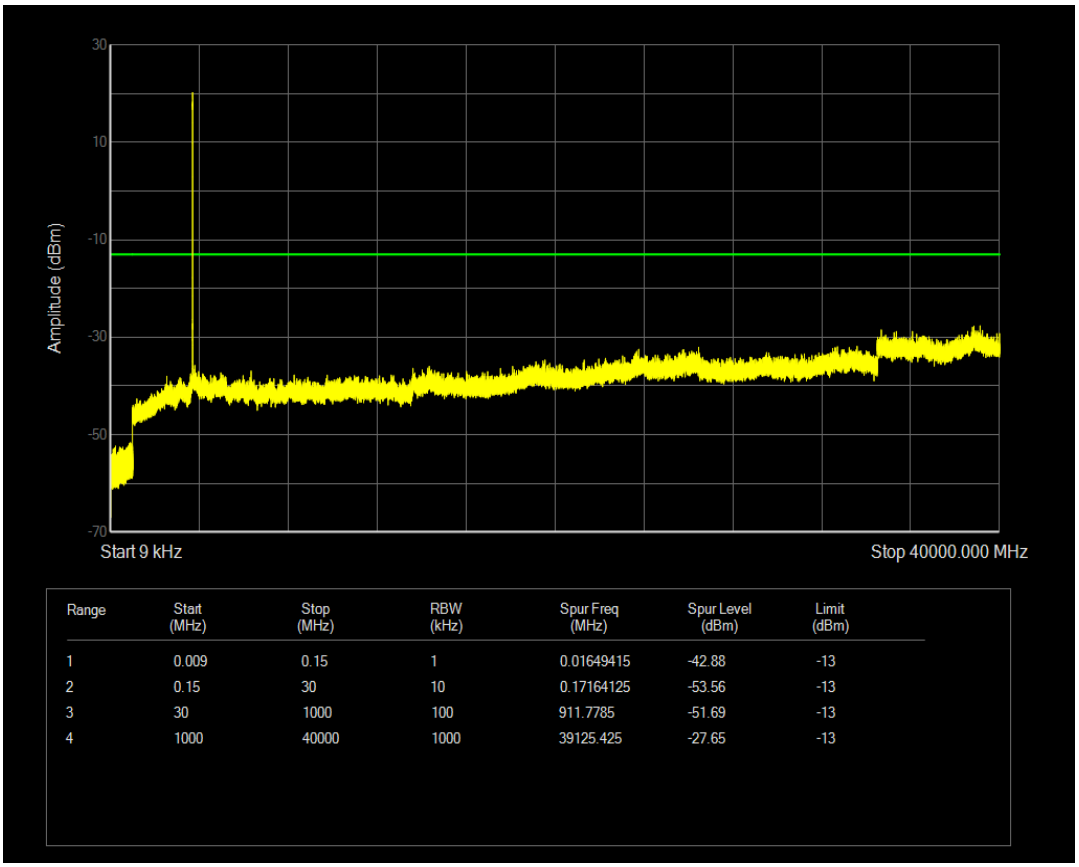
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009645075	-41.55	-13
2	0.15	30	10	0.152985	-51.43	-13
3	30	1000	100	974.198	-51.38	-13
4	1000	40000	1000	38834.875	-27.42	-13

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



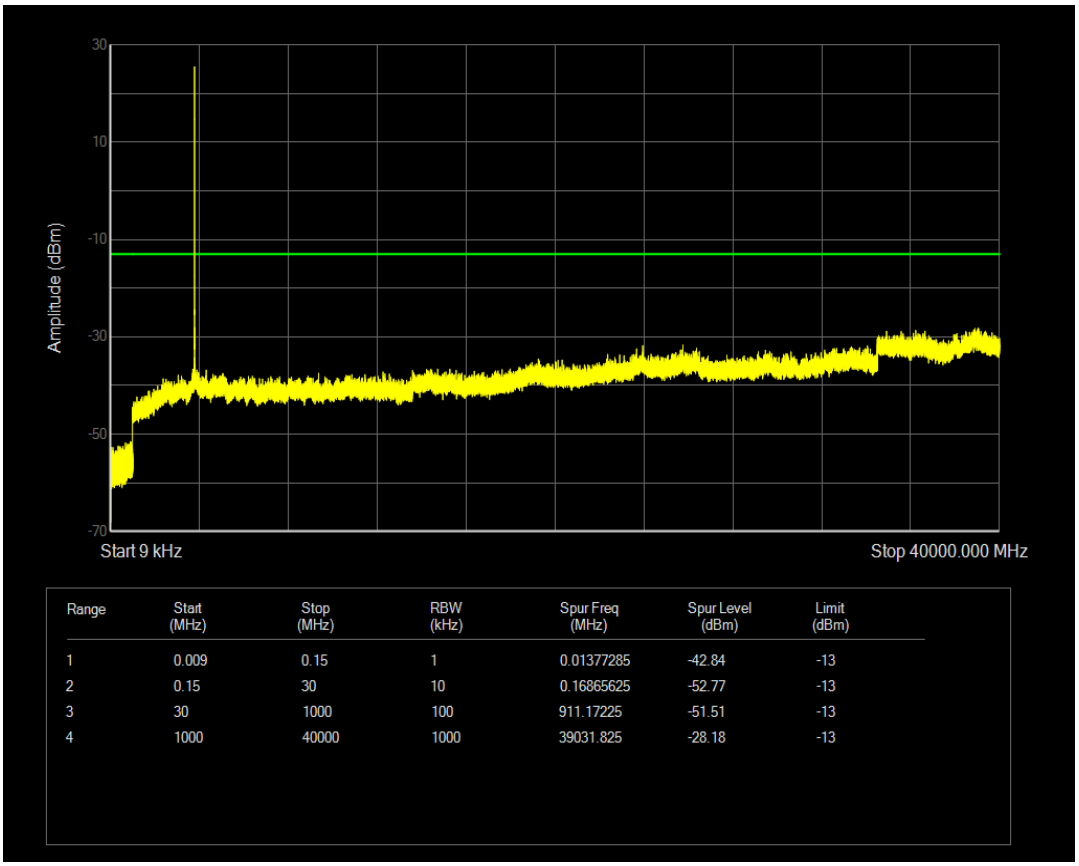
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012711825	-41.28	-13
2	0.15	30	10	0.1664175	-52.77	-13
3	30	1000	100	876.0825	-51.15	-13
4	1000	40000	1000	38835.85	-27.99	-13

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



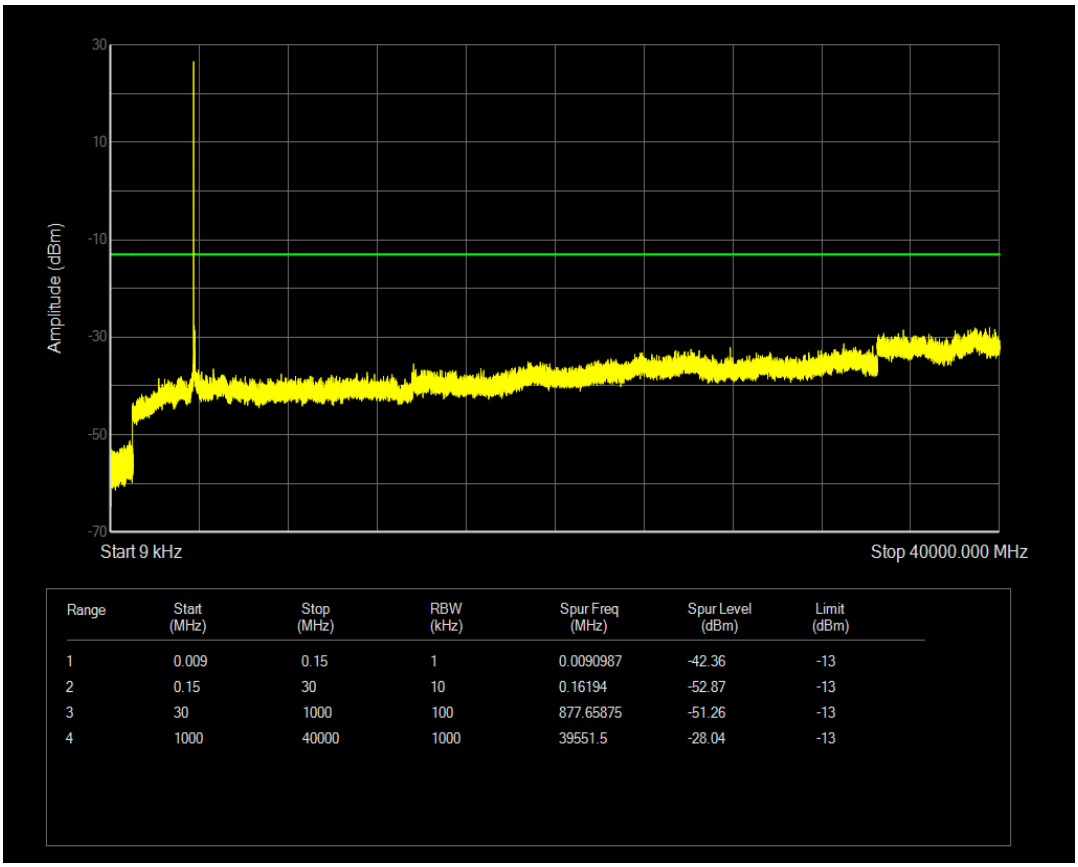
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01649415	-42.88	-13
2	0.15	30	10	0.17164125	-53.56	-13
3	30	1000	100	911.7785	-51.69	-13
4	1000	40000	1000	39125.425	-27.65	-13

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



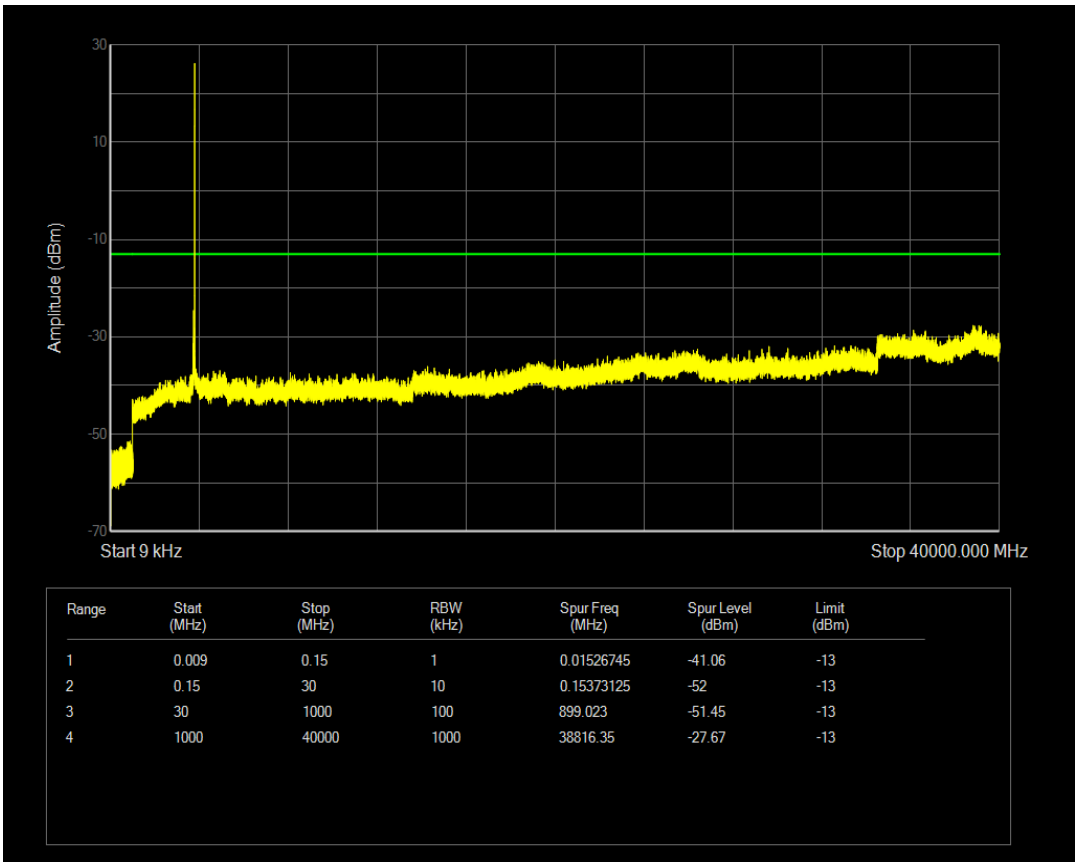
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01377285	-42.84	-13
2	0.15	30	10	0.16865625	-52.77	-13
3	30	1000	100	911.17225	-51.51	-13
4	1000	40000	1000	39031.825	-28.18	-13

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



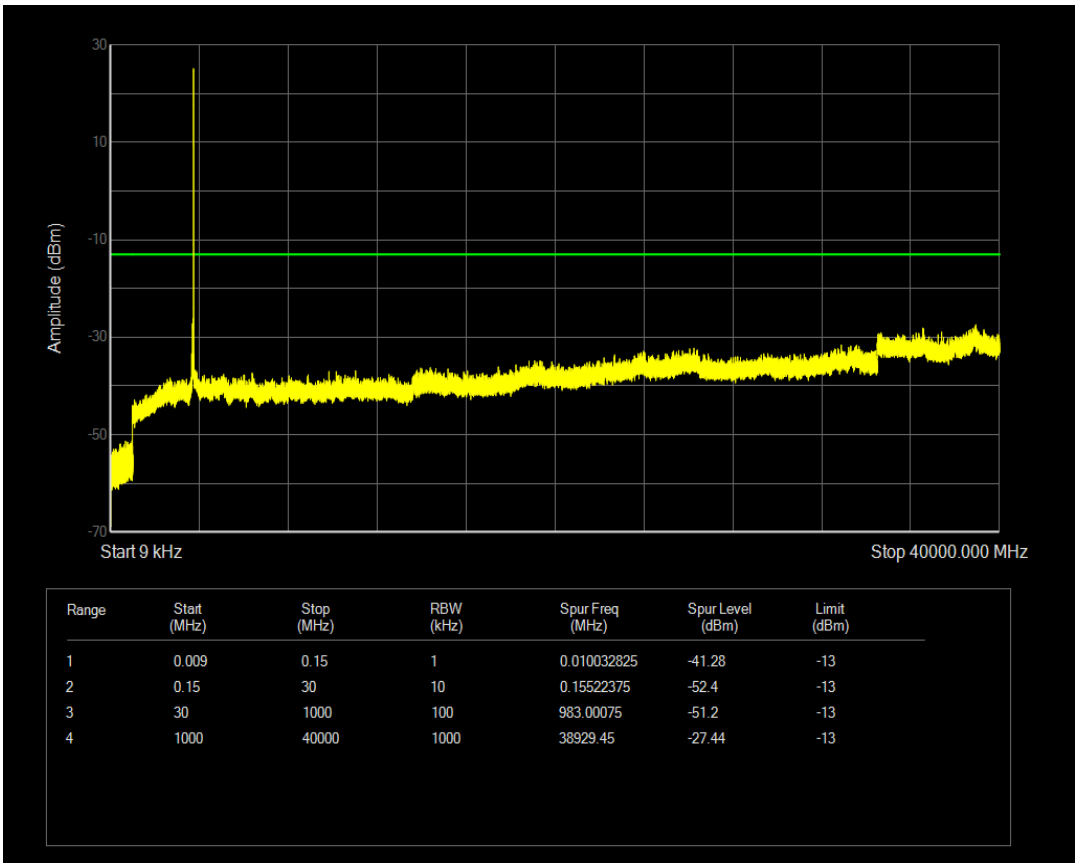
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090987	-42.36	-13
2	0.15	30	10	0.16194	-52.87	-13
3	30	1000	100	877.65875	-51.26	-13
4	1000	40000	1000	39551.5	-28.04	-13

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



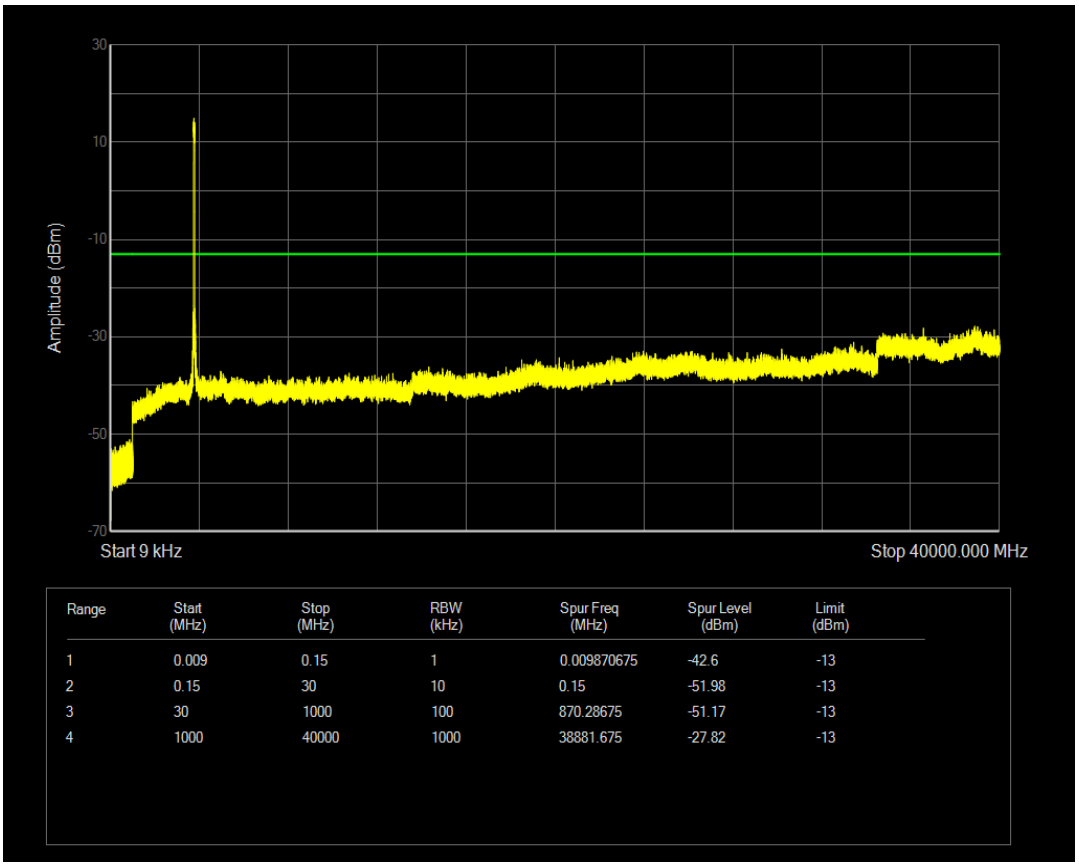
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01526745	-41.06	-13
2	0.15	30	10	0.15373125	-52	-13
3	30	1000	100	899.023	-51.45	-13
4	1000	40000	1000	38816.35	-27.67	-13

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	0.010032825	-41.28	-13
2	0.15	30	10	0.15522375	-52.4	-13
3	30	1000	100	983.00075	-51.2	-13
4	1000	40000	1000	38929.45	-27.44	-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	0.009870675	-42.6	-13
2	0.15	30	10	0.15	-51.98	-13
3	30	1000	100	870.28675	-51.17	-13
4	1000	40000	1000	38881.675	-27.82	-13