n78 SCS=30kHz DFT_BPSK BW=60MHz Channel=636666 RB=162@0

n78 SCS=30kHz DFT_BPSK BW=80MHz Channel=636666 RB=216@0

n78 SCS=30kHz DFT_BPSK BW=90MHz Channel=636666 RB=240@0

n78 SCS=30kHz DFT_QAM16 BW=100MHz Channel=636666 RB=270@0

n78 SCS=30kHz DFT_QAM16 BW=10MHz Channel=636666 RB=24@0

n78 SCS=30kHz DFT_QAM16 BW=15MHz Channel=636666 RB=36@0

n78 SCS=30kHz DFT_QAM16 BW=20MHz Channel=636666 RB=50@0

n78 SCS=30kHz DFT_QAM16 BW=40MHz Channel=636666 RB=100@0

n78 SCS=30kHz DFT_QAM16 BW=50MHz Channel=636666 RB=128@0

n78 SCS=30kHz DFT_QAM16 BW=60MHz Channel=636666 RB=162@0

n78 SCS=30kHz DFT_QAM16 BW=80MHz Channel=636666 RB=216@0

n78 SCS=30kHz DFT_QAM16 BW=90MHz Channel=636666 RB=240@0

n78 SCS=30kHz DFT_QAM256 BW=100MHz Channel=636666 RB=270@0

n78 SCS=30kHz DFT_QAM256 BW=10MHz Channel=636666 RB=24@0

n78 SCS=30kHz DFT_QAM256 BW=15MHz Channel=636666 RB=36@0

n78 SCS=30kHz DFT_QAM256 BW=20MHz Channel=636666 RB=50@0

n78 SCS=30kHz DFT_QAM256 BW=40MHz Channel=636666 RB=100@0

n78 SCS=30kHz DFT_QAM256 BW=50MHz Channel=636666 RB=128@0

n78 SCS=30kHz DFT_QAM256 BW=60MHz Channel=636666 RB=162@0

n78 SCS=30kHz DFT_QAM256 BW=80MHz Channel=636666 RB=216@0

n78 SCS=30kHz DFT_QAM256 BW=90MHz Channel=636666 RB=240@0

n78 SCS=30kHz DFT_QAM64 BW=100MHz Channel=636666 RB=270@0

n78 SCS=30kHz DFT_QAM64 BW=10MHz Channel=636666 RB=24@0

n78 SCS=30kHz DFT_QAM64 BW=15MHz Channel=636666 RB=36@0

n78 SCS=30kHz DFT_QAM64 BW=20MHz Channel=636666 RB=50@0

n78 SCS=30kHz DFT_QAM64 BW=40MHz Channel=636666 RB=100@0

n78 SCS=30kHz DFT_QAM64 BW=50MHz Channel=636666 RB=128@0

n78 SCS=30kHz DFT_QAM64 BW=60MHz Channel=636666 RB=162@0

n78 SCS=30kHz DFT_QAM64 BW=80MHz Channel=636666 RB=216@0

n78 SCS=30kHz DFT_QAM64 BW=90MHz Channel=636666 RB=240@0

n78 SCS=30kHz DFT_QPSK BW=100MHz Channel=636666 RB=270@0

n78 SCS=30kHz DFT_QPSK BW=10MHz Channel=636666 RB=24@0

n78 SCS=30kHz DFT_QPSK BW=15MHz Channel=636666 RB=36@0

n78 SCS=30kHz DFT_QPSK BW=20MHz Channel=636666 RB=50@0

n78 SCS=30kHz DFT_QPSK BW=40MHz Channel=636666 RB=100@0

n78 SCS=30kHz DFT_QPSK BW=50MHz Channel=636666 RB=128@0

n78 SCS=30kHz DFT_QPSK BW=60MHz Channel=636666 RB=162@0

n78 SCS=30kHz DFT_QPSK BW=80MHz Channel=636666 RB=216@0

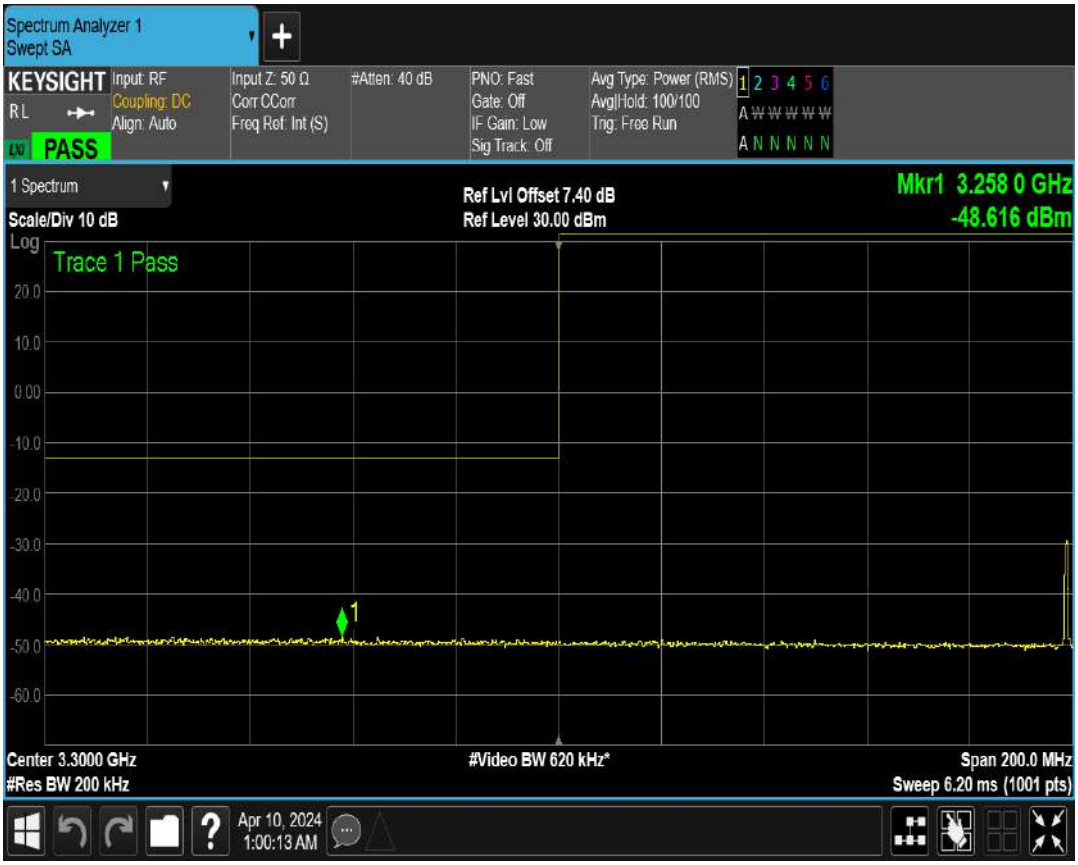
n78 SCS=30kHz DFT_QPSK BW=90MHz Channel=636666 RB=240@0

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
n78	30	10	620334	24@0	CP_QPSK	3296.58	-51.85	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	3297.28	-49.06	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	3297.06	-48.87	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	3807.34	-47.80	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	3800.32	-44.80	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	3801.26	-45.08	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	3284.40	-44.43	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	3258.80	-48.54	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	3275.80	-48.56	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	3801.10	-40.88	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	3804.10	-45.23	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	3808.60	-45.09	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	3233.80	-41.66	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	3219.00	-48.39	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	3258.00	-48.61	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	3875.00	-37.74	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	3810.20	-44.80	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	3828.20	-45.17	-13	PASS

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272



n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@272

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=273@0

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@0

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@23

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=133@0

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@132

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0

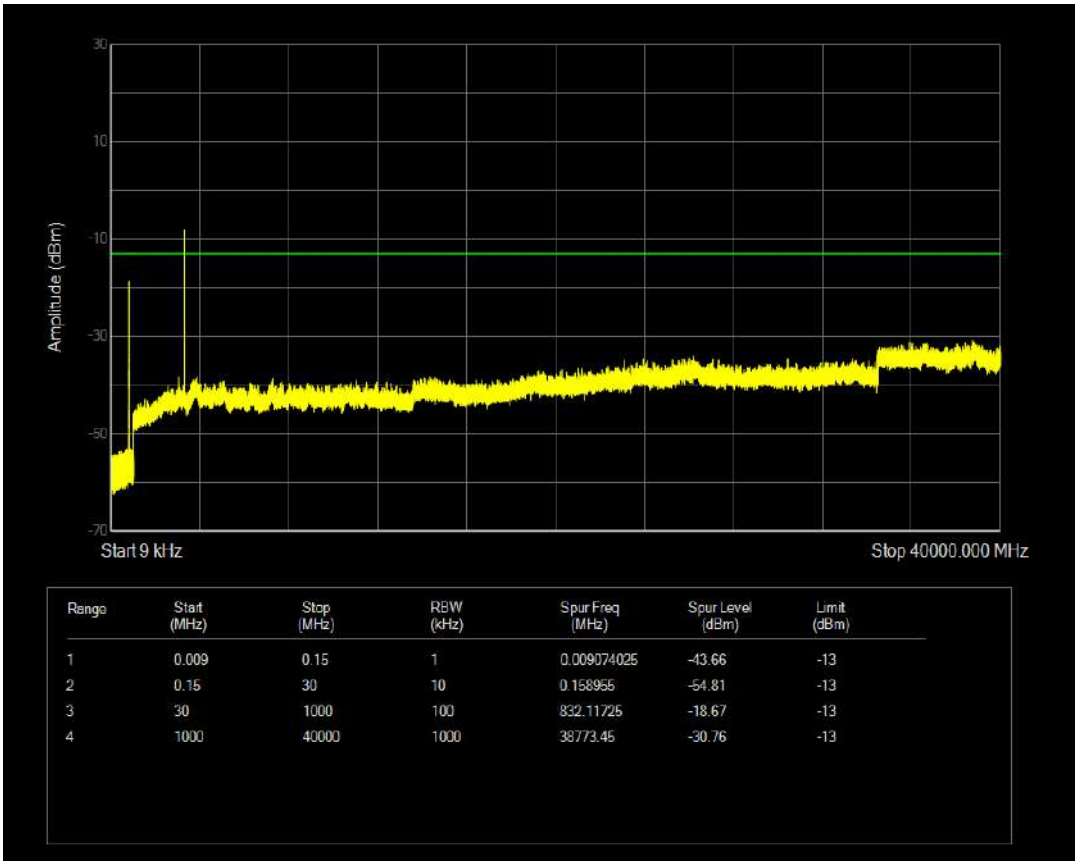
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@0

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@132

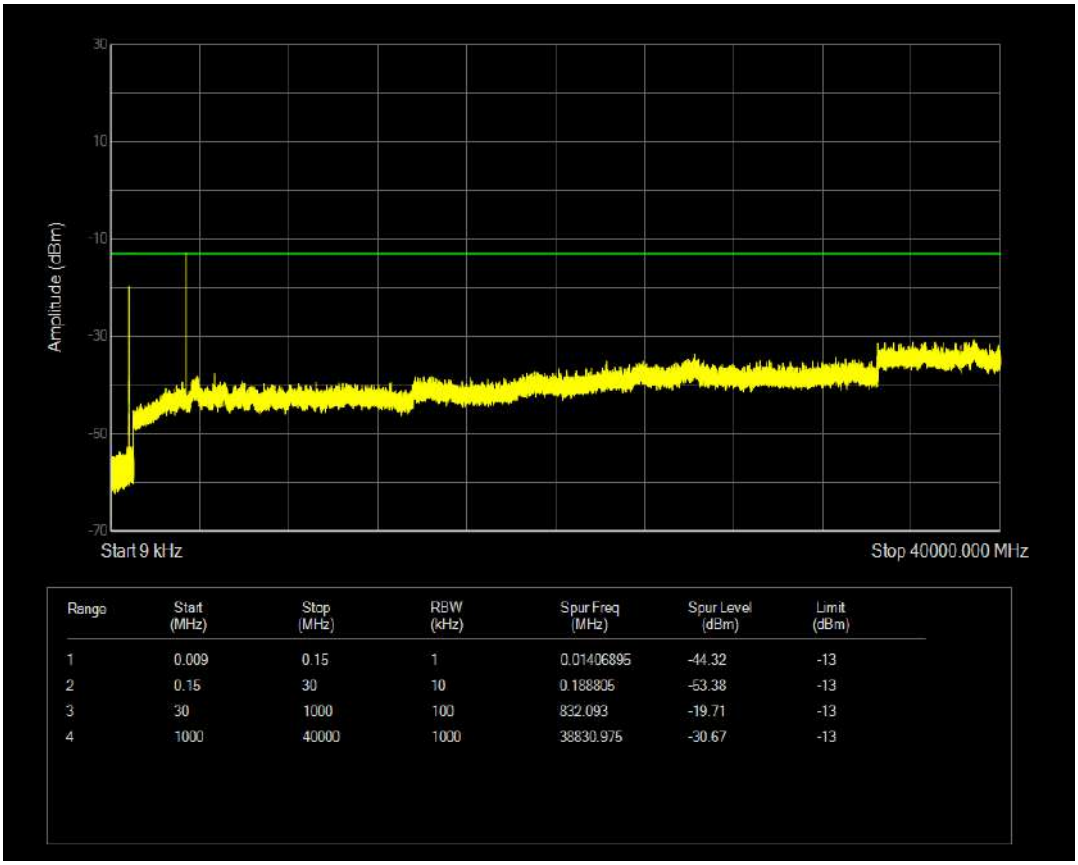
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78	30	10	620334	24@0	CP_QPSK	832.09	-19.81	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	832.04	-19.92	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	832.12	-19.07	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	832.12	-19.49	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	832.14	-19.21	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	832.14	-19.30	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	832.12	-19.72	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	832.12	-19.49	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	832.04	-19.70	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	832.07	-19.17	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	832.04	-19.76	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	832.09	-19.42	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	832.09	-19.65	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	832.12	-18.67	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	832.09	-19.71	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	832.07	-18.88	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	832.12	-19.49	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	832.04	-19.34	-13	PASS

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0

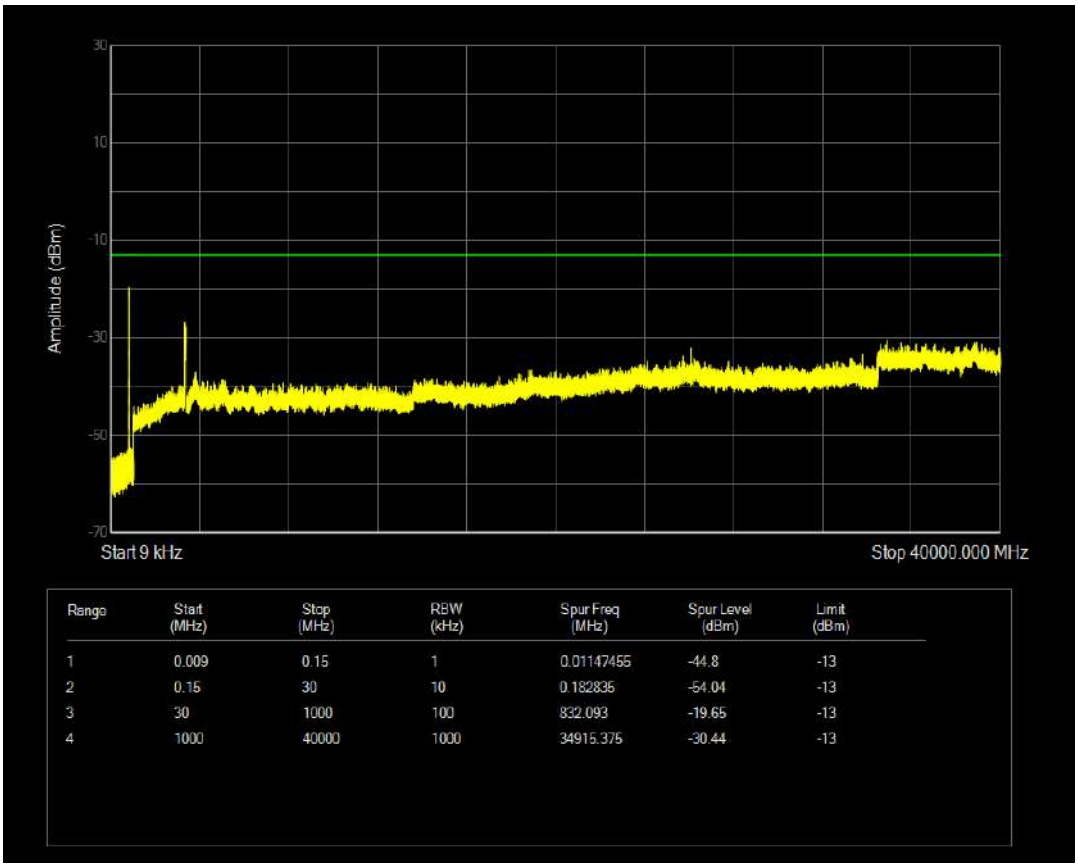


n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272



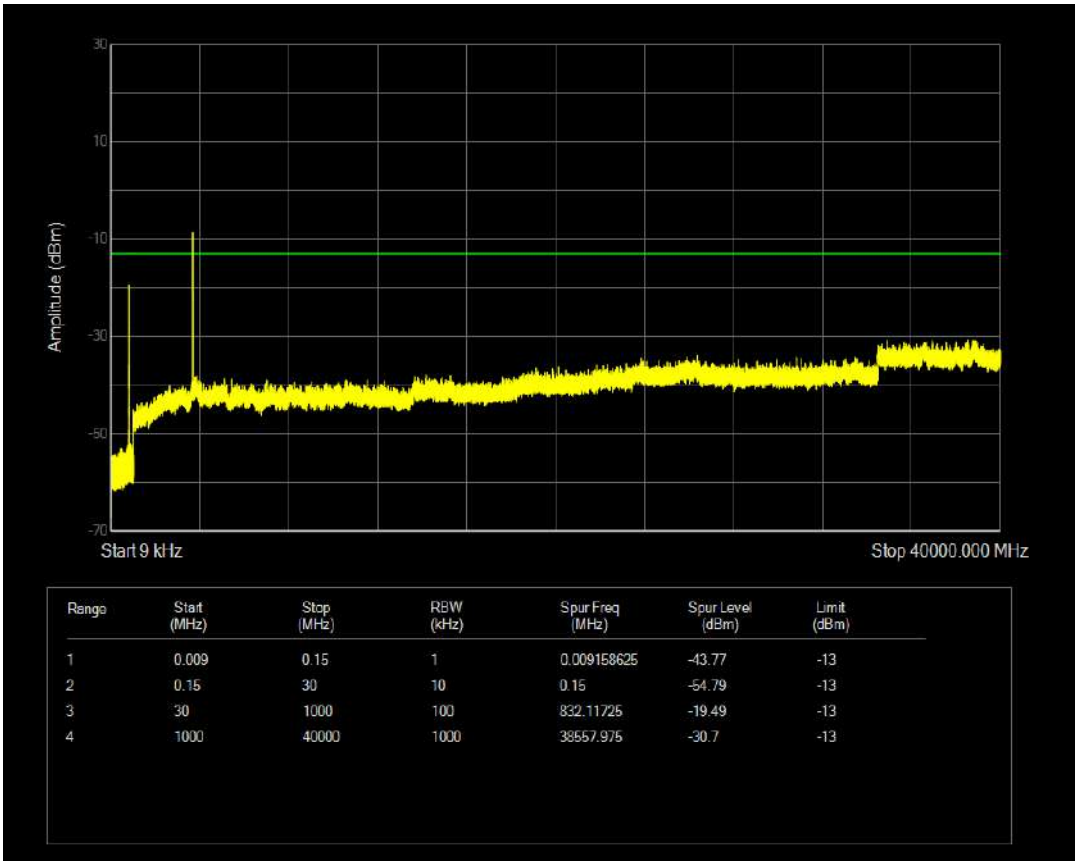
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01406895	-44.32	-13
2	0.15	30	10	0.188805	-53.38	-13
3	30	1000	100	832.093	-19.71	-13
4	1000	40000	1000	38830.975	-30.67	-13

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0



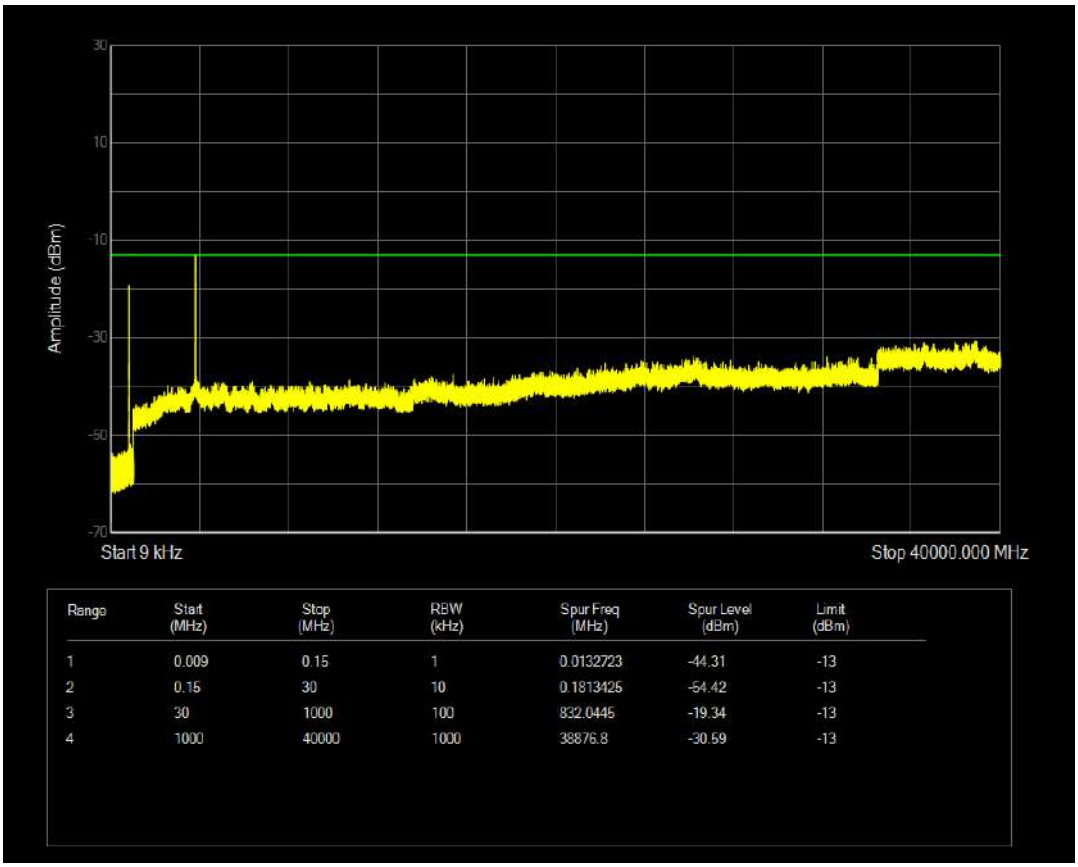
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01147455	-44.8	-13
2	0.15	30	10	0.182835	-54.04	-13
3	30	1000	100	832.093	-19.65	-13
4	1000	40000	1000	34915.375	-30.44	-13

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0



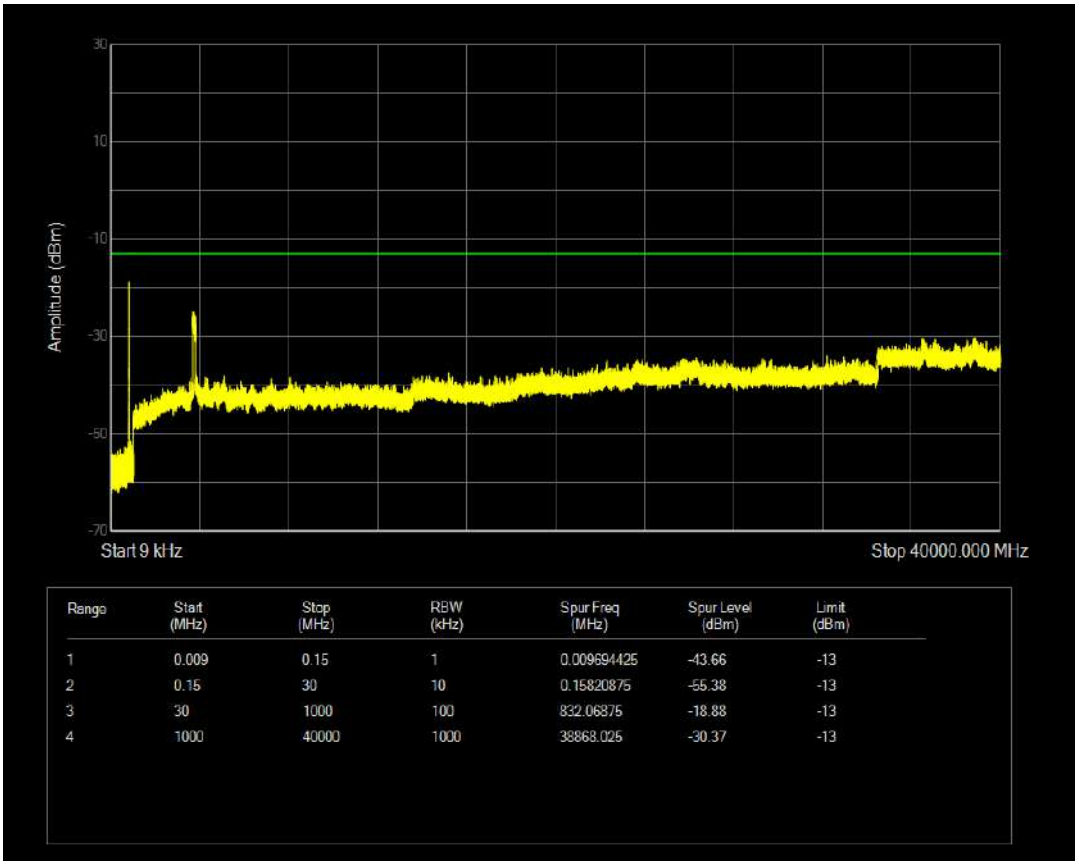
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009158625	-43.77	-13
2	0.15	30	10	0.15	-54.79	-13
3	30	1000	100	832.11725	-19.49	-13
4	1000	40000	1000	38557.975	-30.7	-13

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@272



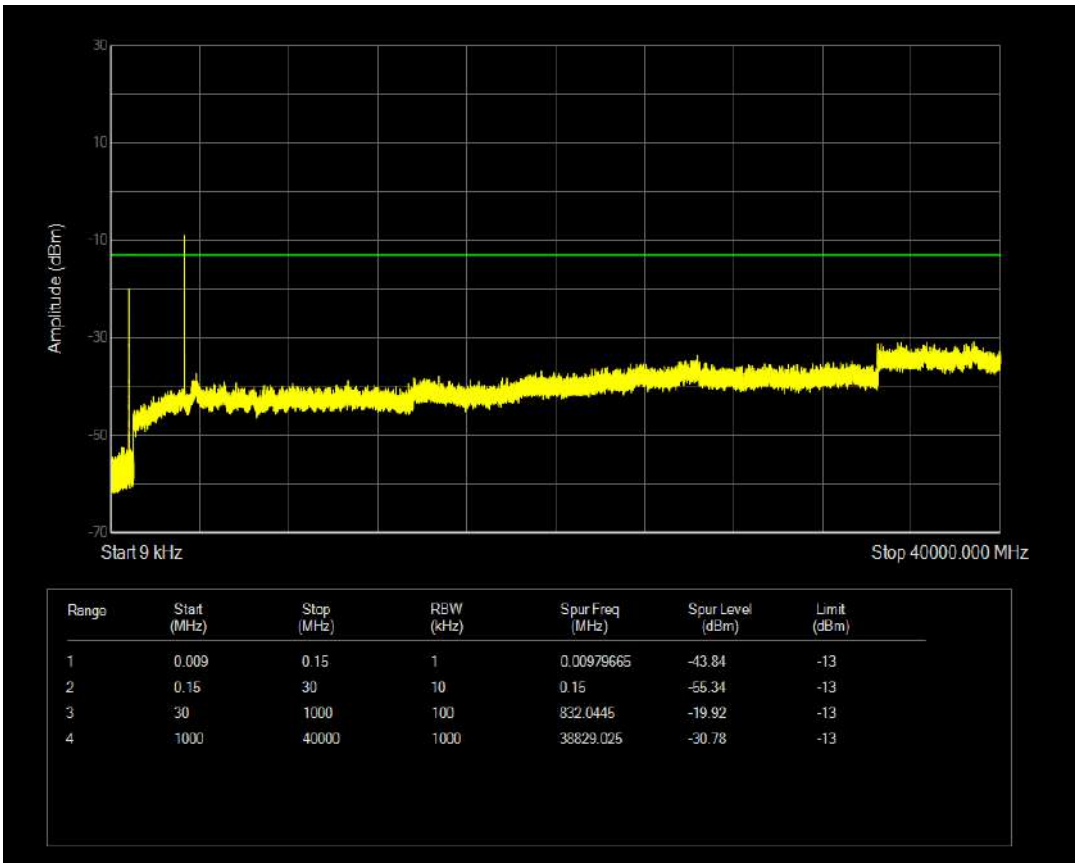
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0132723	-44.31	-13
2	0.15	30	10	0.1813425	-54.42	-13
3	30	1000	100	832.0445	-19.34	-13
4	1000	40000	1000	38876.8	-30.59	-13

n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=273@0



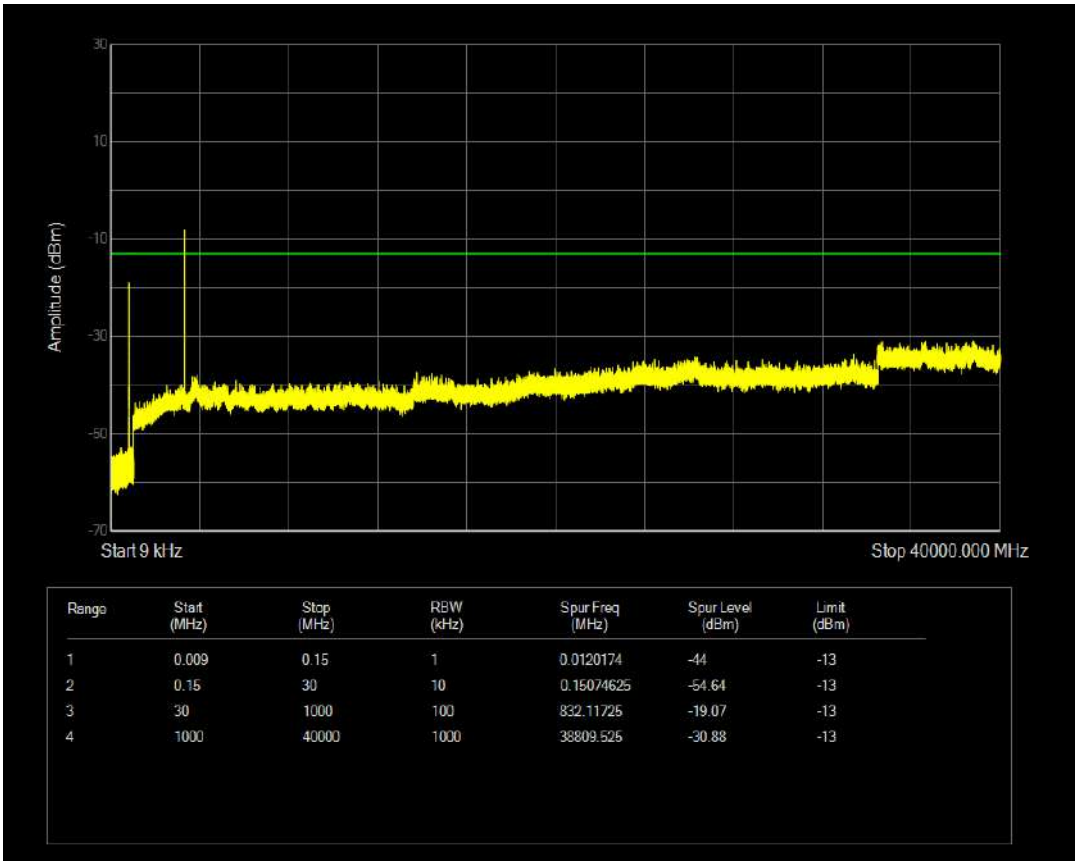
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009694425	-43.66	-13
2	0.15	30	10	0.15820875	-55.38	-13
3	30	1000	100	832.06875	-18.88	-13
4	1000	40000	1000	38868.025	-30.37	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@0



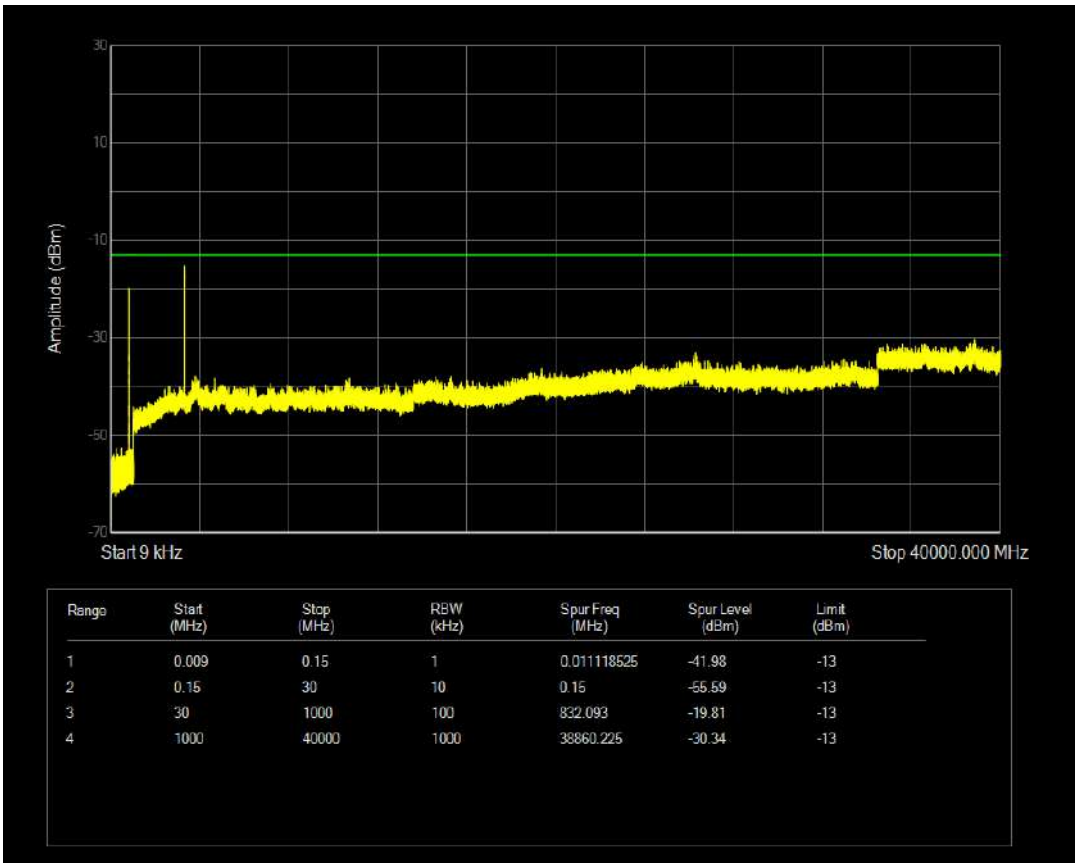
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00979665	-43.84	-13
2	0.15	30	10	0.15	-55.34	-13
3	30	1000	100	832.0445	-19.92	-13
4	1000	40000	1000	38829.025	-30.78	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@23



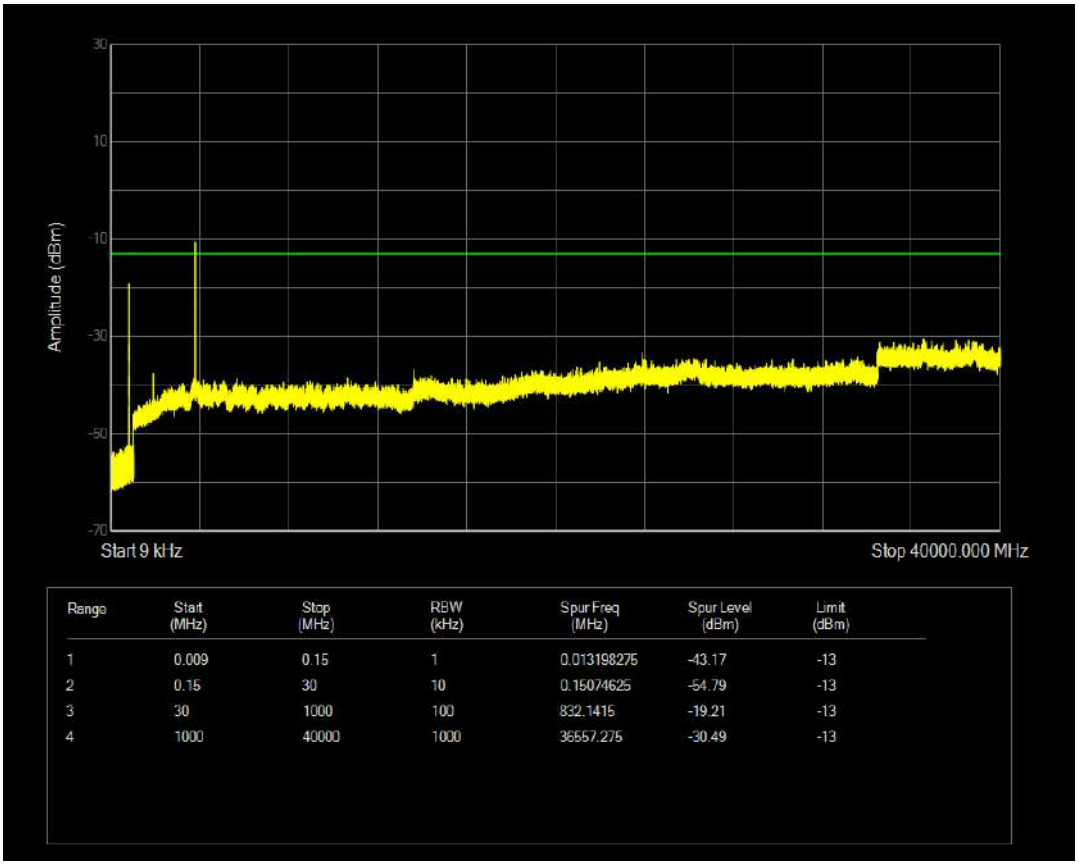
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0120174	-44	-13
2	0.15	30	10	0.15074625	-54.64	-13
3	30	1000	100	832.11725	-19.07	-13
4	1000	40000	1000	38809.525	-30.88	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0



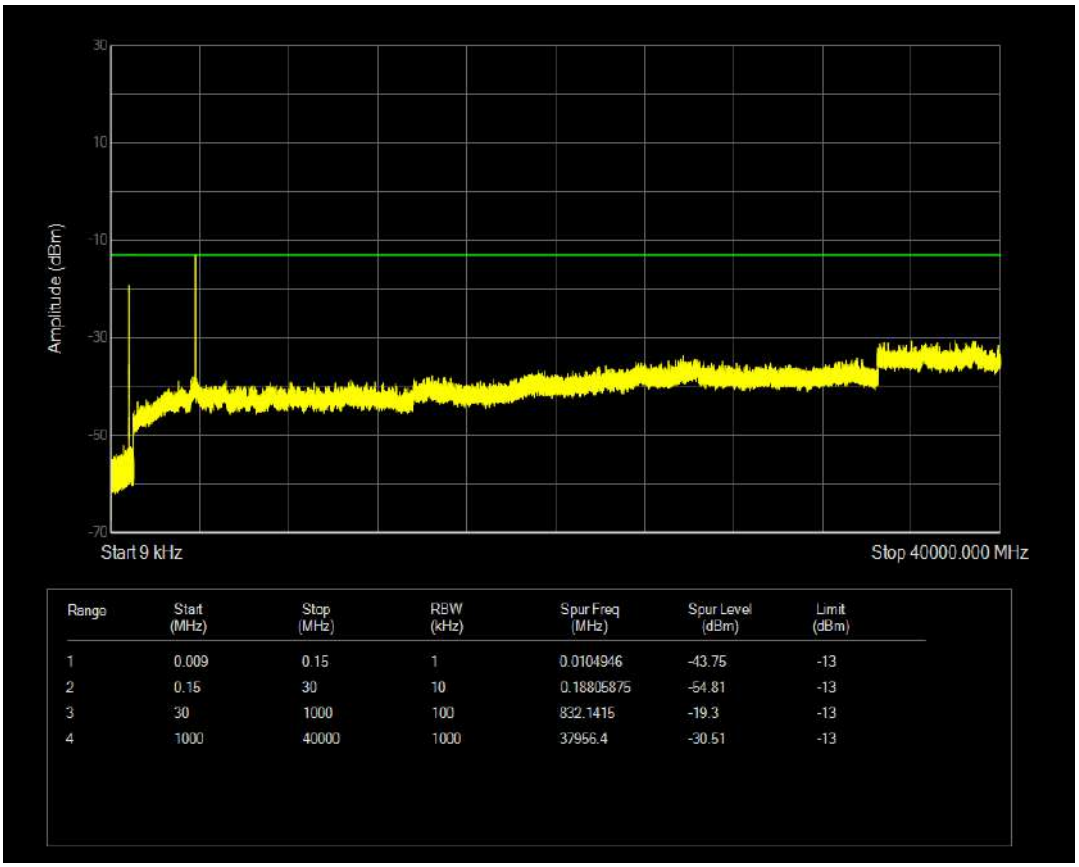
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011118525	-41.98	-13
2	0.15	30	10	0.15	-55.59	-13
3	30	1000	100	832.093	-19.81	-13
4	1000	40000	1000	38860.225	-30.34	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0



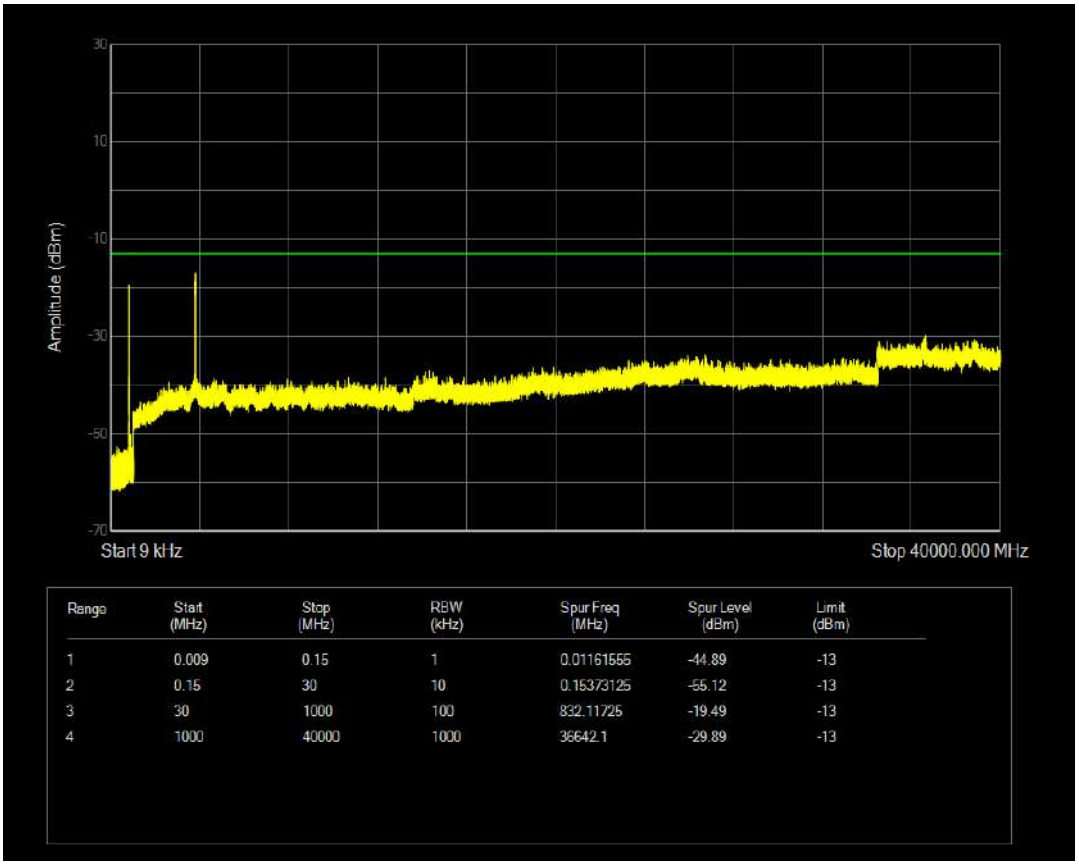
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013198275	-43.17	-13
2	0.15	30	10	0.15074625	-54.79	-13
3	30	1000	100	832.1415	-19.21	-13
4	1000	40000	1000	36557.275	-30.49	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23



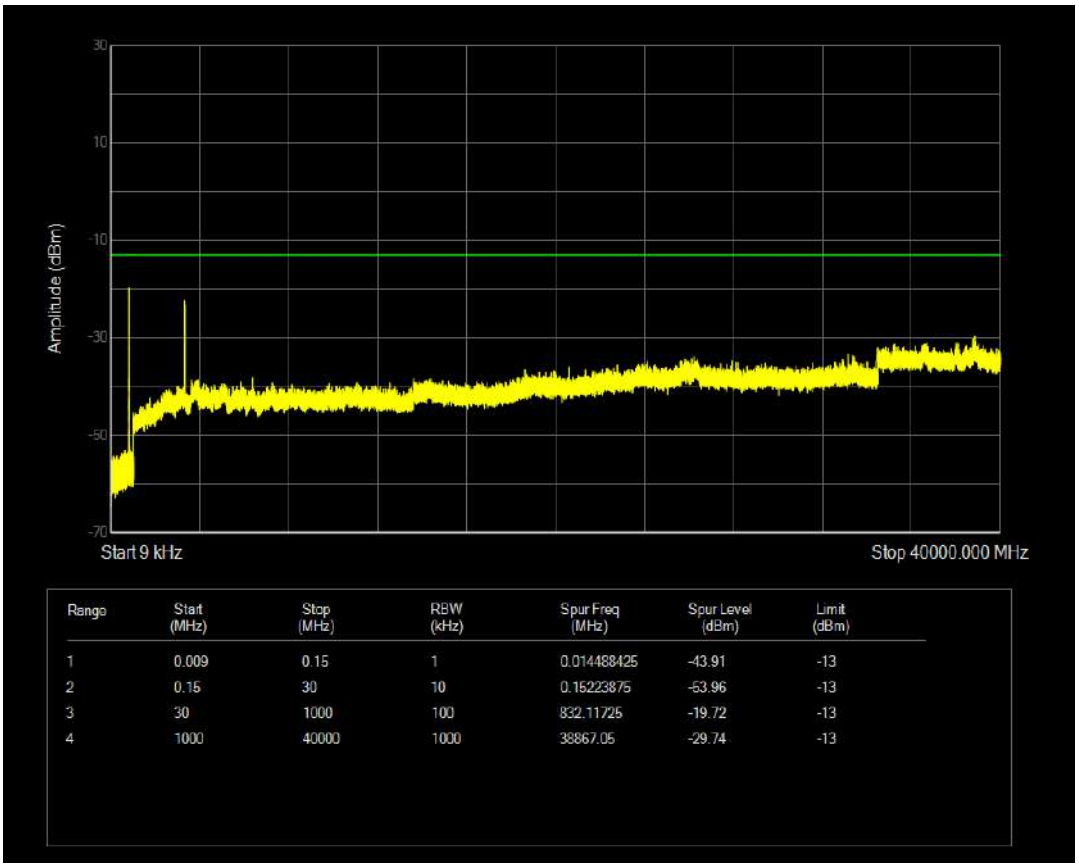
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104946	-43.75	-13
2	0.15	30	10	0.18805875	-54.81	-13
3	30	1000	100	832.1415	-19.3	-13
4	1000	40000	1000	37956.4	-30.51	-13

n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0



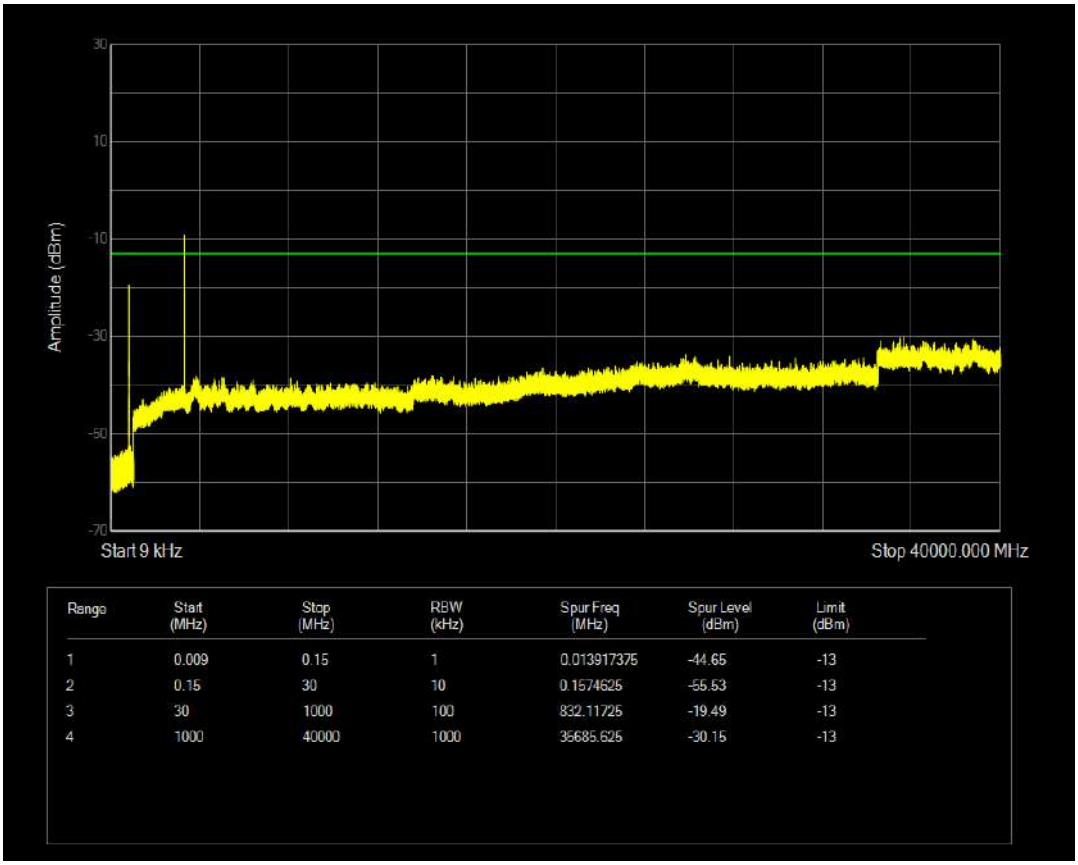
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01161555	-44.89	-13
2	0.15	30	10	0.15373125	-55.12	-13
3	30	1000	100	832.11725	-19.49	-13
4	1000	40000	1000	36642.1	-29.89	-13

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=133@0



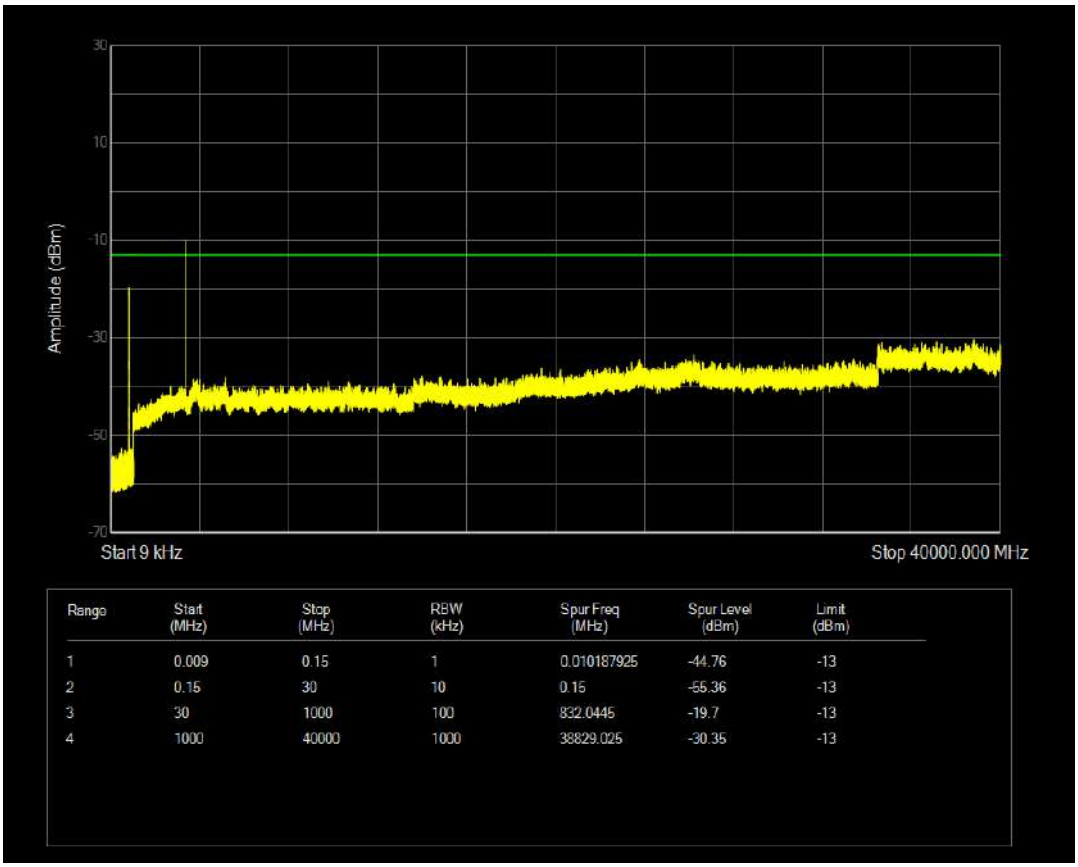
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014488425	-43.91	-13
2	0.15	30	10	0.15223875	-53.96	-13
3	30	1000	100	832.11725	-19.72	-13
4	1000	40000	1000	38867.05	-29.74	-13

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0



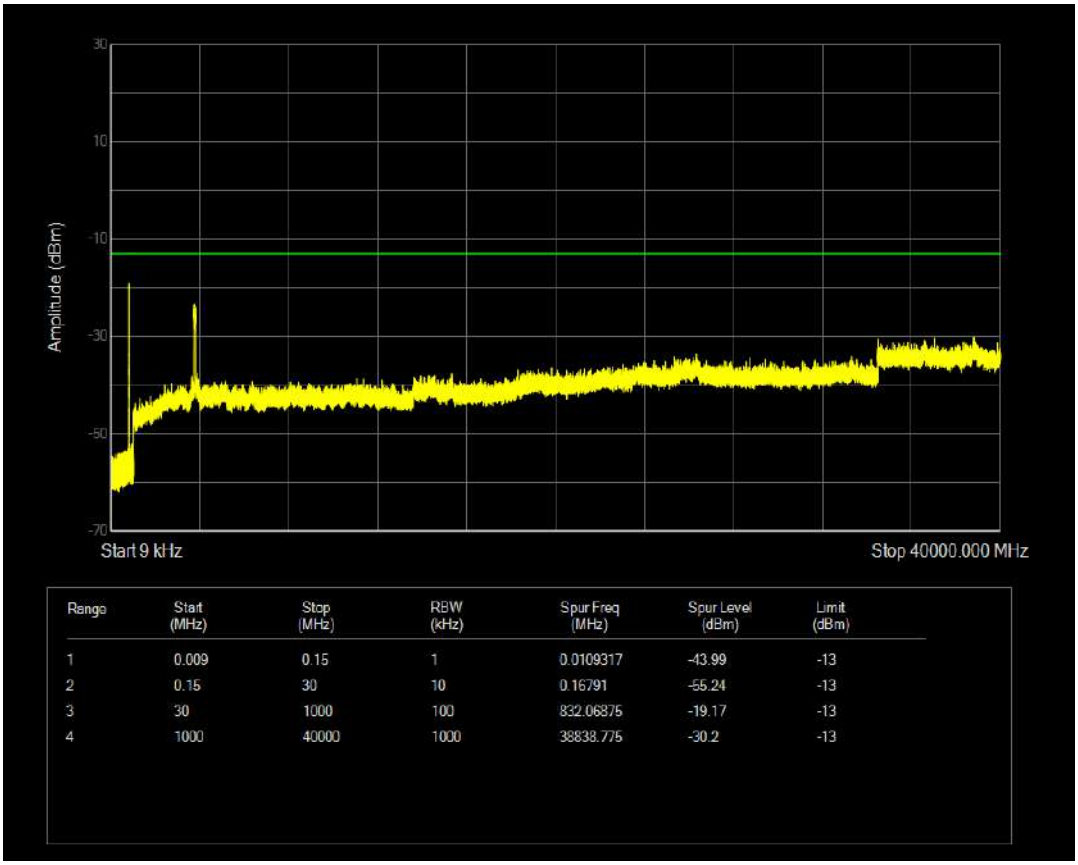
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013917375	-44.65	-13
2	0.15	30	10	0.1574625	-55.53	-13
3	30	1000	100	832.11725	-19.49	-13
4	1000	40000	1000	35685.625	-30.15	-13

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@132



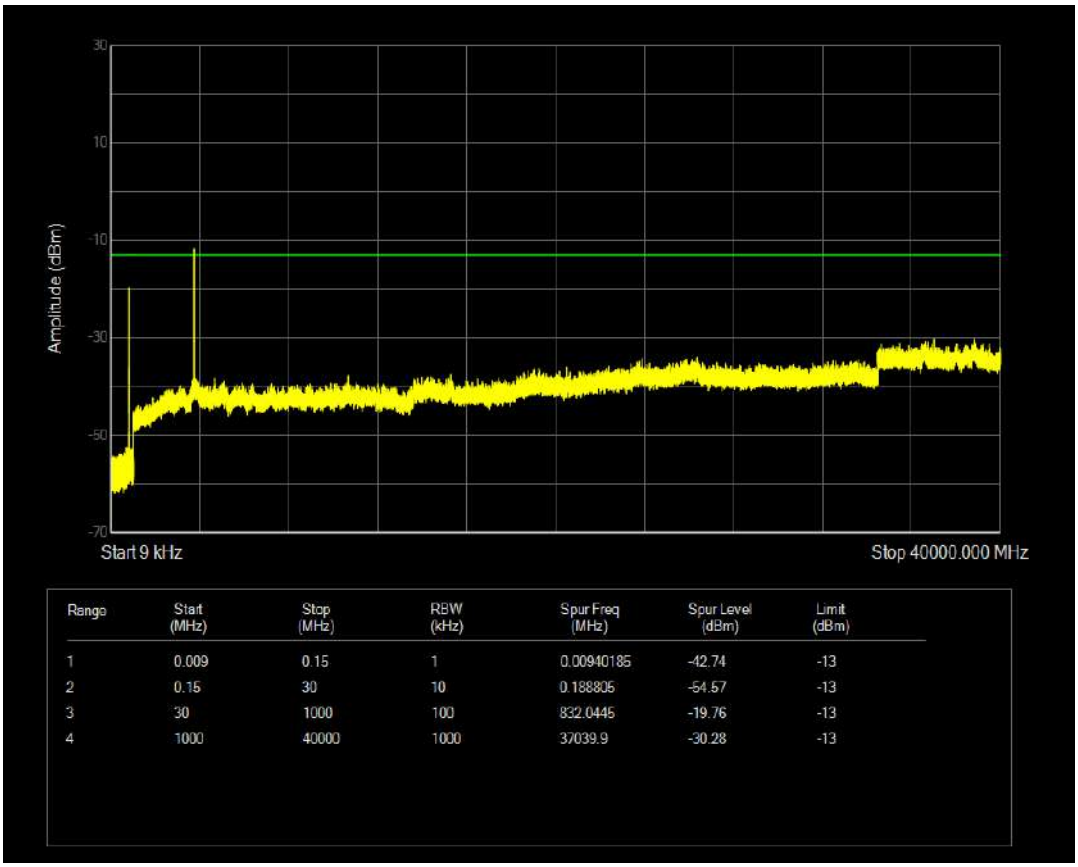
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010187925	-44.76	-13
2	0.15	30	10	0.15	-55.36	-13
3	30	1000	100	832.0445	-19.7	-13
4	1000	40000	1000	38829.025	-30.35	-13

n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0



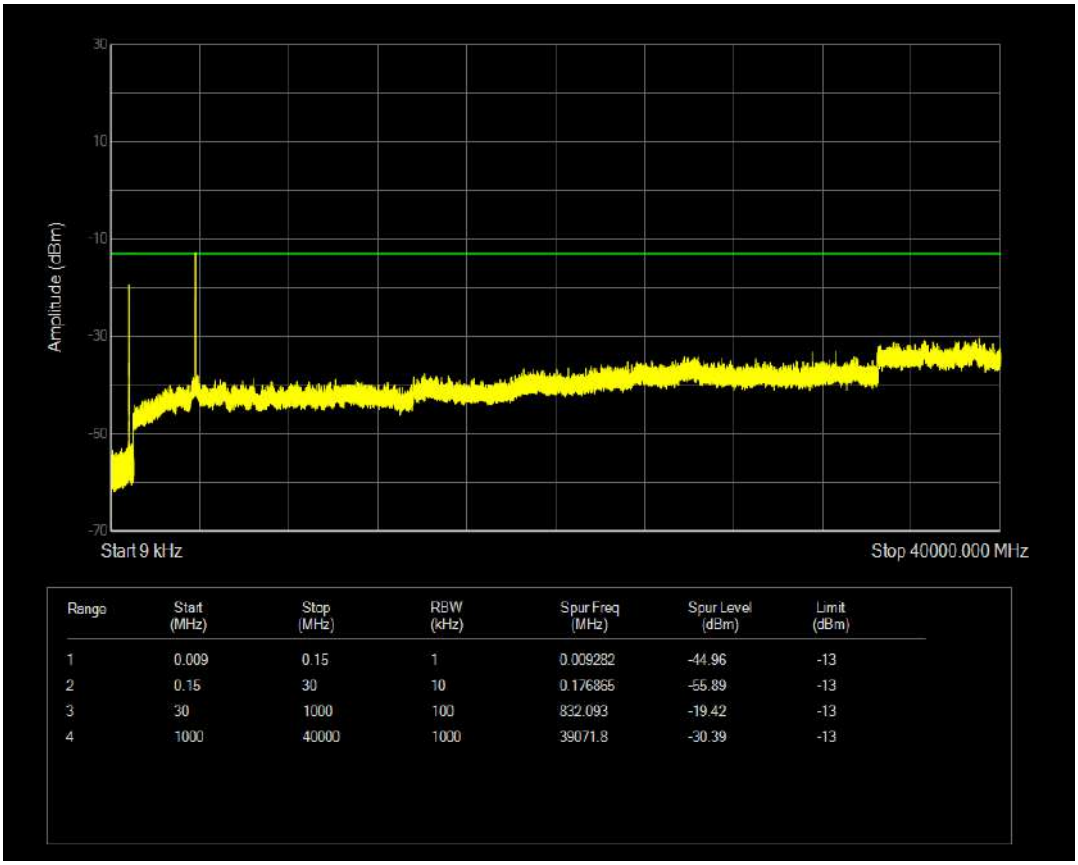
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109317	-43.99	-13
2	0.15	30	10	0.16791	-55.24	-13
3	30	1000	100	832.06875	-19.17	-13
4	1000	40000	1000	38838.775	-30.2	-13

n78 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	0.00940185	-42.74	-13
2	0.15	30	10	0.188805	-54.57	-13
3	30	1000	100	832.0445	-19.76	-13
4	1000	40000	1000	37039.9	-30.28	-13

n78 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	0.009282	-44.96	-13
2	0.15	30	10	0.176865	-55.89	-13
3	30	1000	100	832.093	-19.42	-13
4	1000	40000	1000	39071.8	-30.39	-13