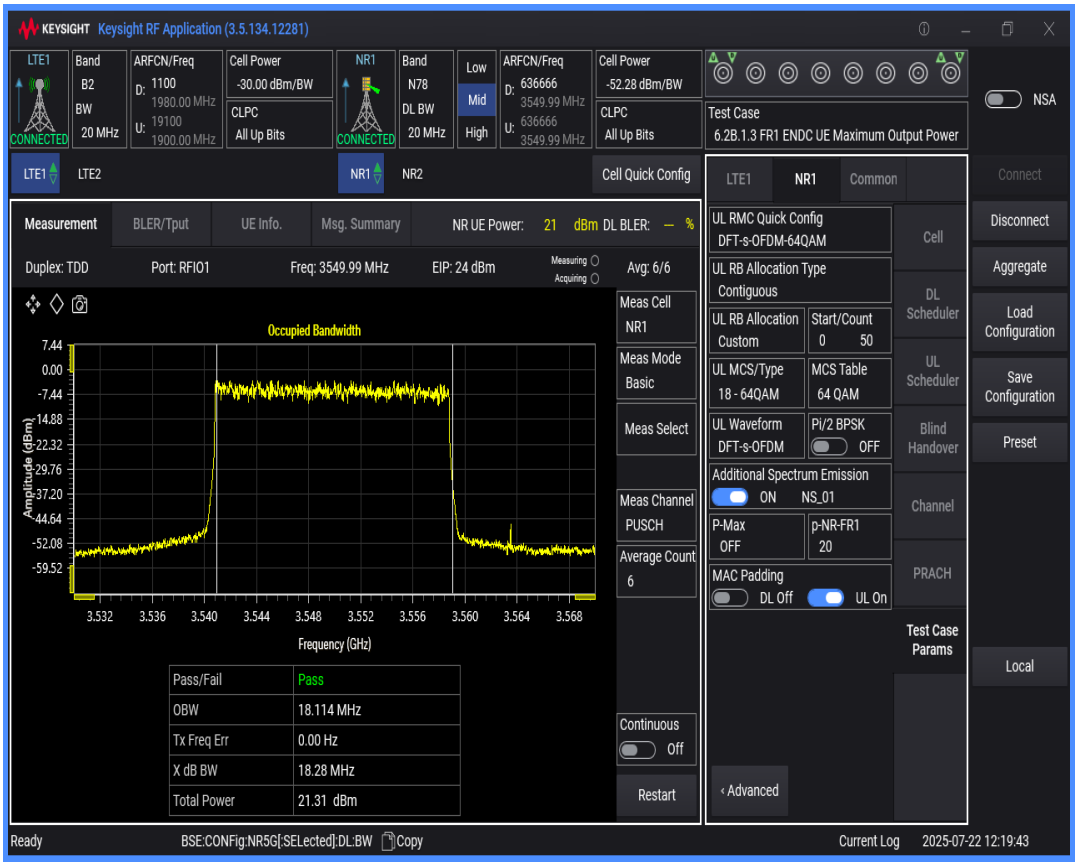
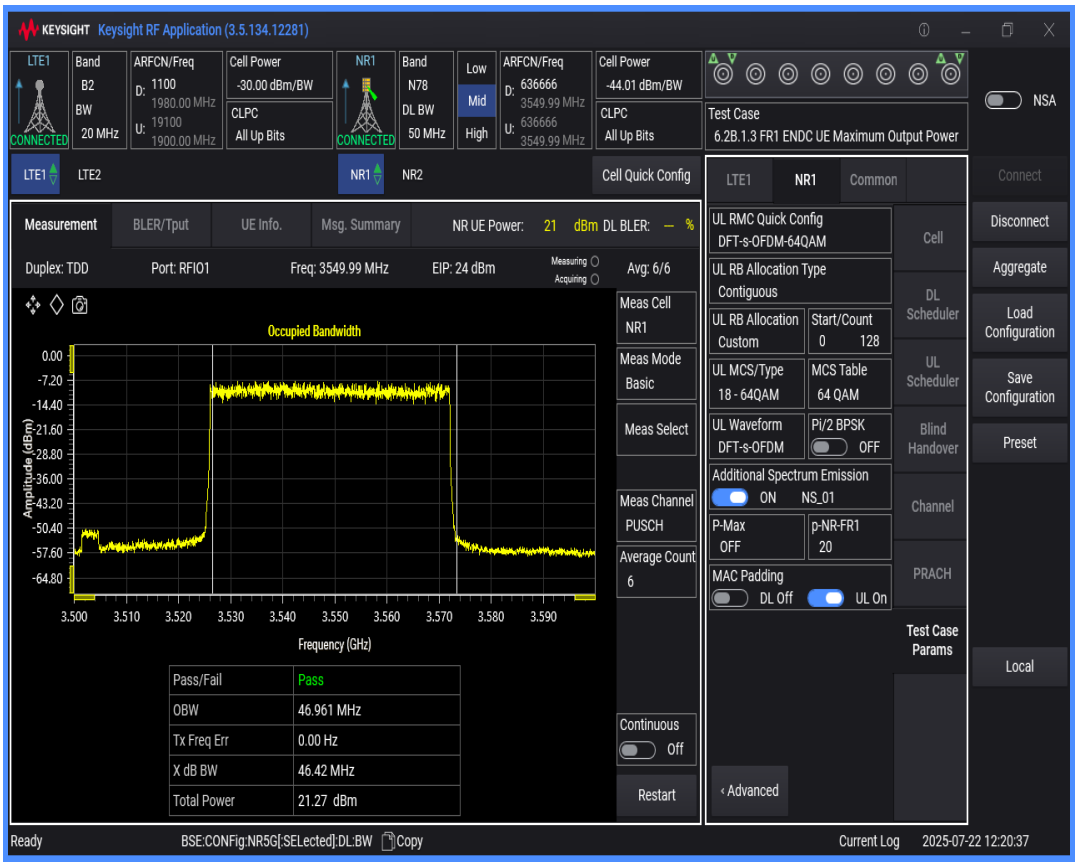


n78 SCS=30kHz DFT_QAM64 BW=50MHz Channel=636666 RB=128@0



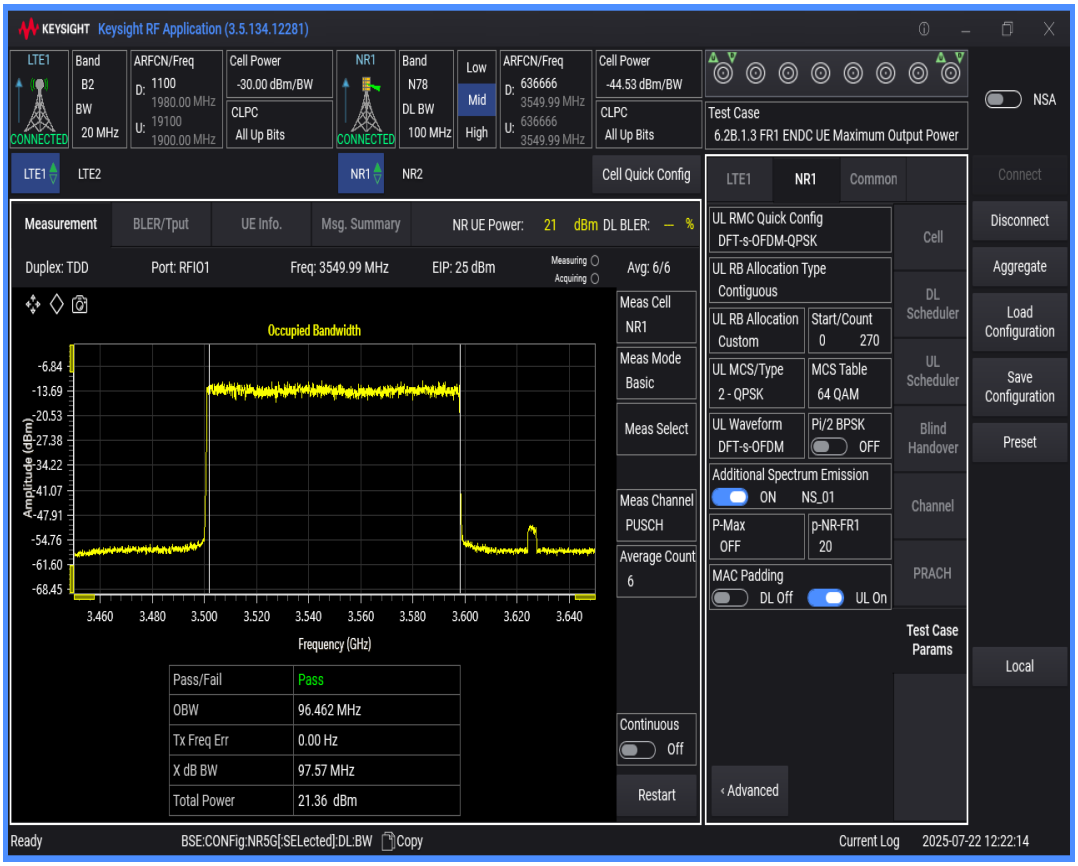
n78 SCS=30kHz DFT_QAM64 BW=60MHz Channel=636666 RB=162@0

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

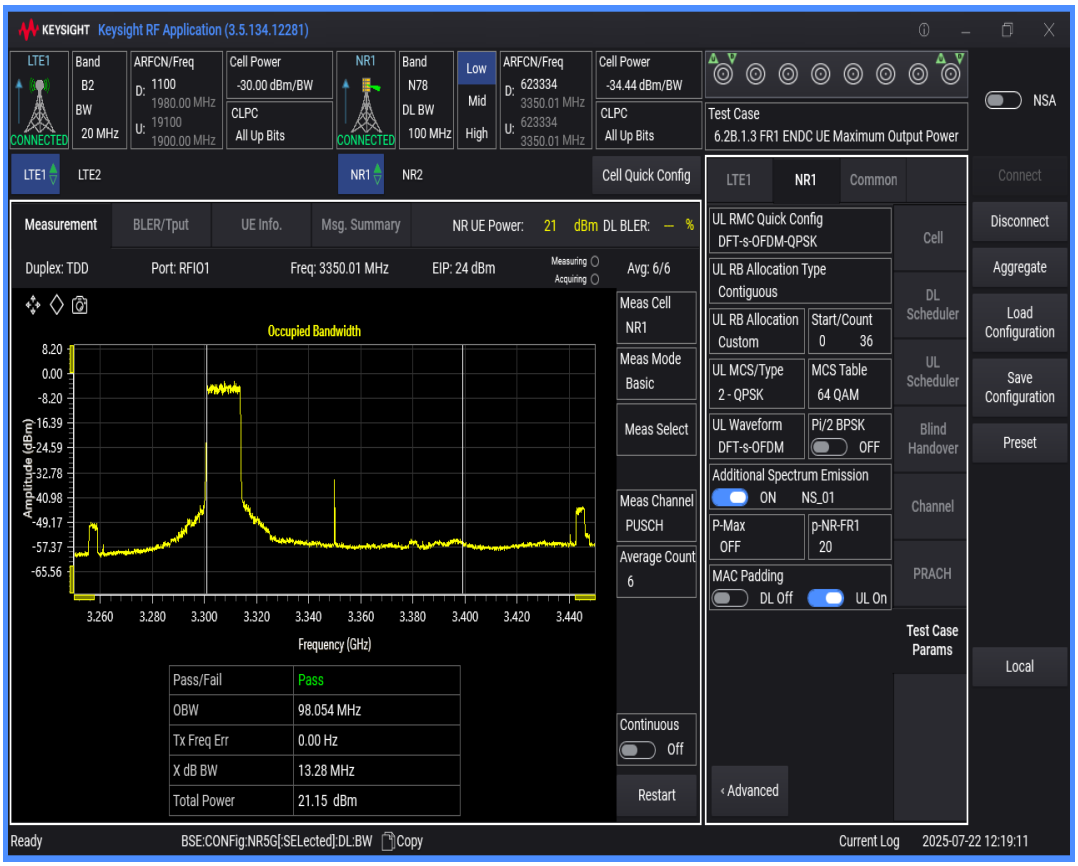
n78 SCS=30kHz DFT_QAM64 BW=80MHz Channel=636666 RB=216@0

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

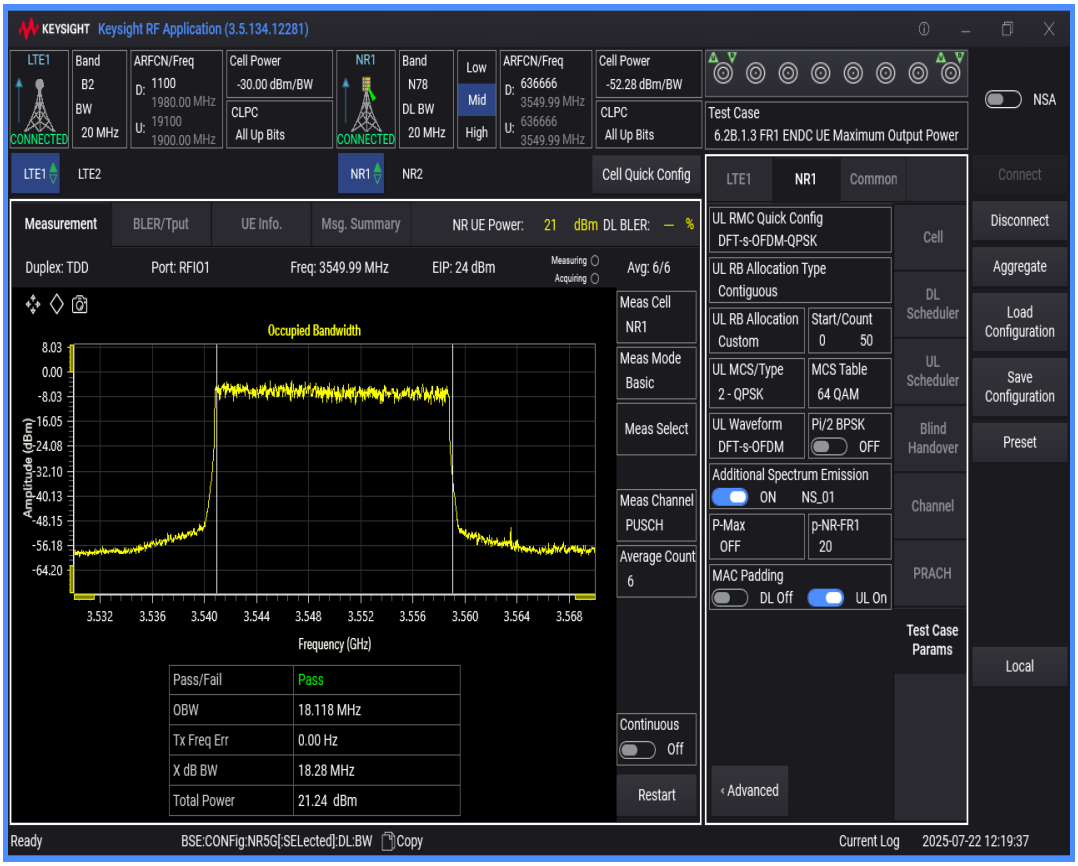
n78 SCS=30kHz DFT_QPSK BW=100MHz Channel=636666 RB=270@0



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=50MHz Channel=636666 RB=128@0

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

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

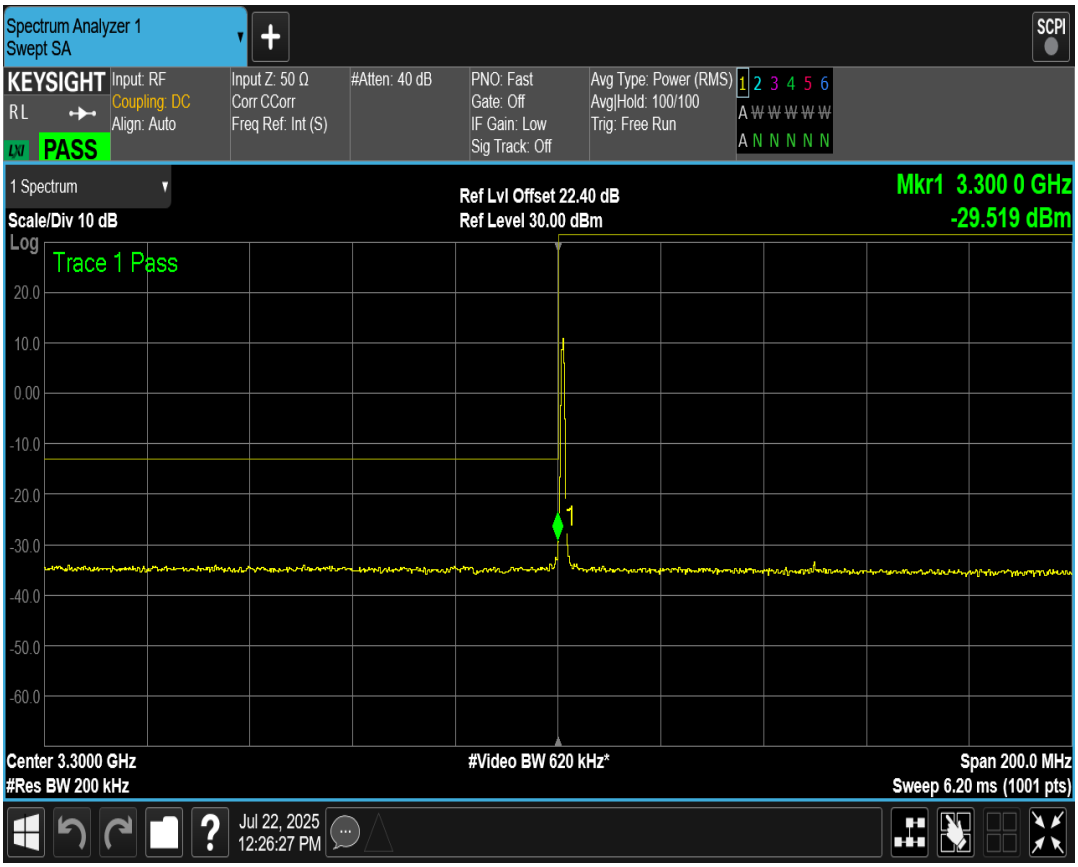
n78 SCS=30kHz DFT_QPSK BW=80MHz Channel=636666 RB=216@0

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

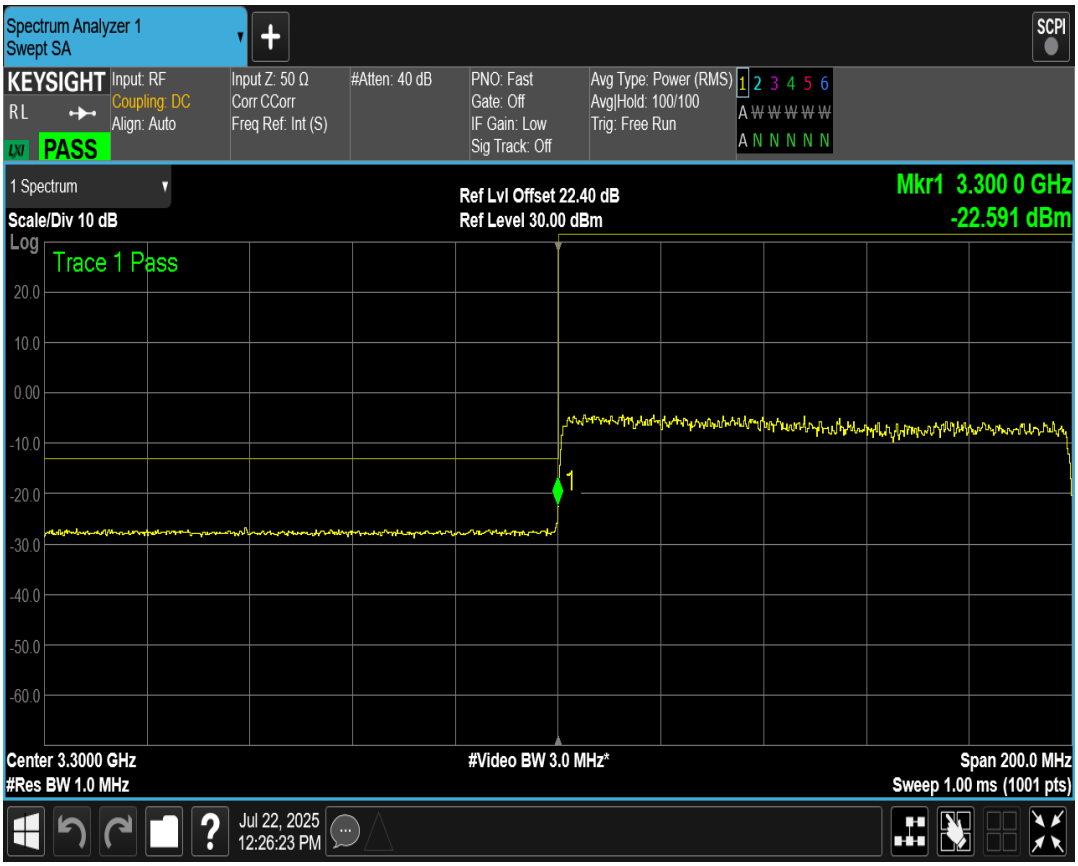
5 Band edge for EN-DC

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	3299.66	-33.94	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	3299.60	-31.81	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	3294.44	-33.82	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	3800.94	-32.36	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	3807.18	-29.55	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	3800.00	-29.37	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	3250.00	-29.67	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	3300.00	-32.98	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	3261.30	-33.72	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	3819.00	-25.24	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	3809.90	-29.83	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	3800.00	-29.70	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	3300.00	-22.59	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	3300.00	-29.51	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	3203.20	-34.06	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	3800.00	-19.25	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	3815.60	-29.79	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	3807.60	-29.88	-13	PASS

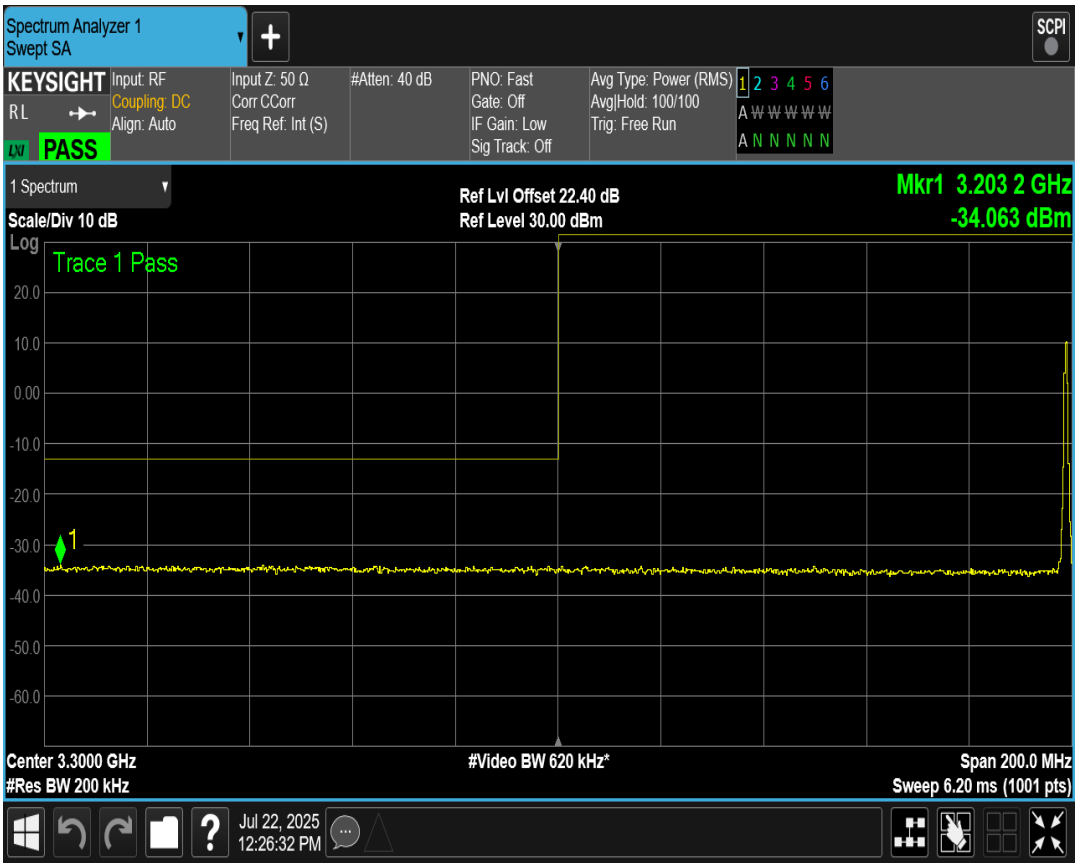
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0



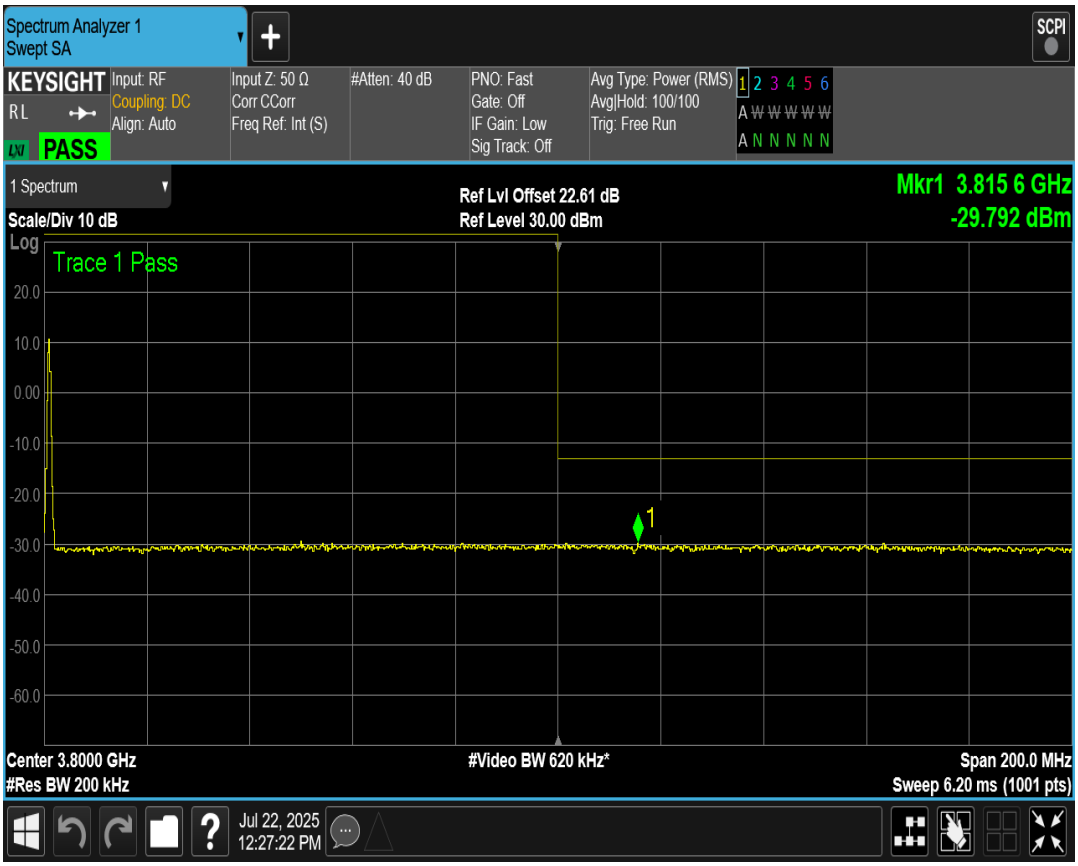
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0



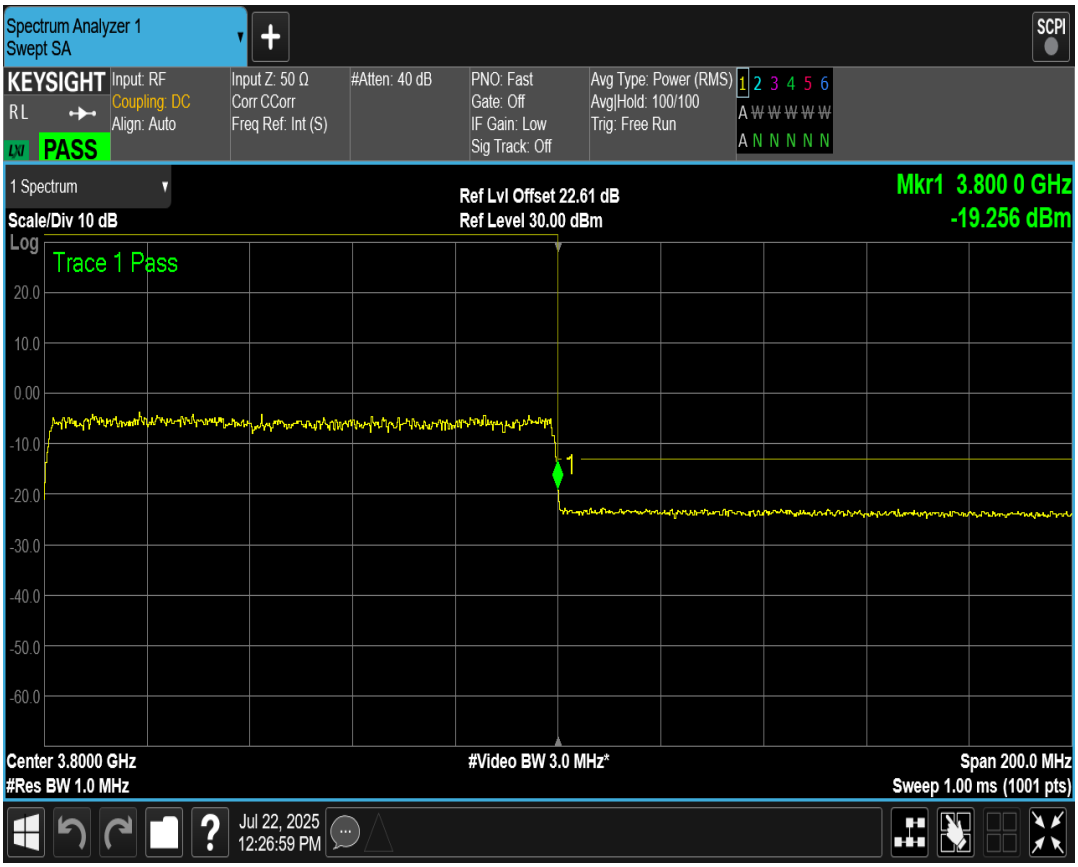
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272



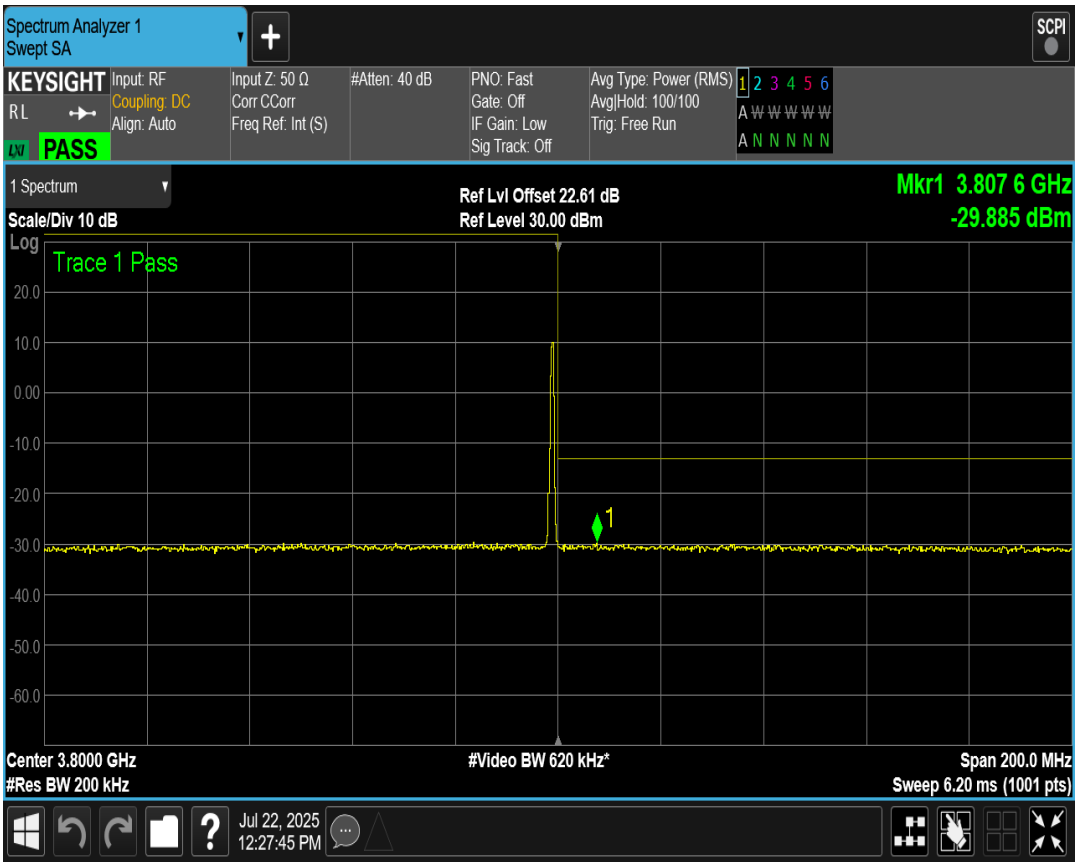
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0



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



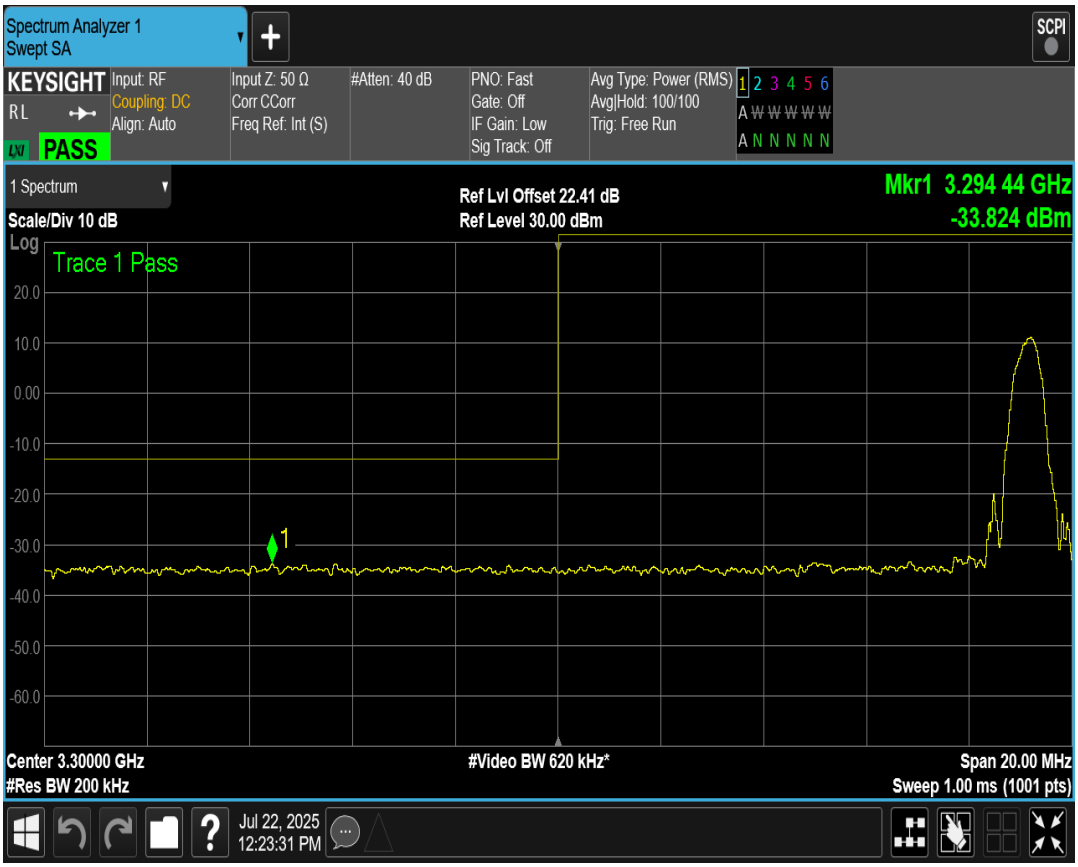
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@272



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

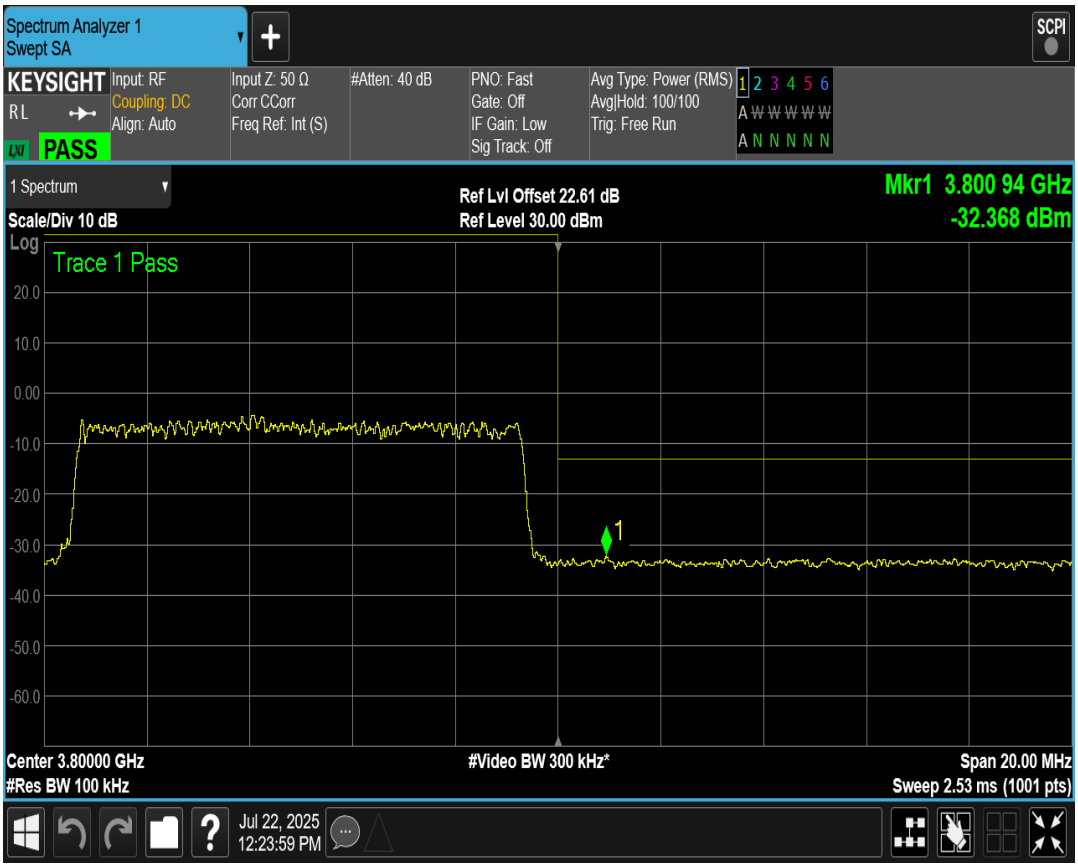
n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0

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

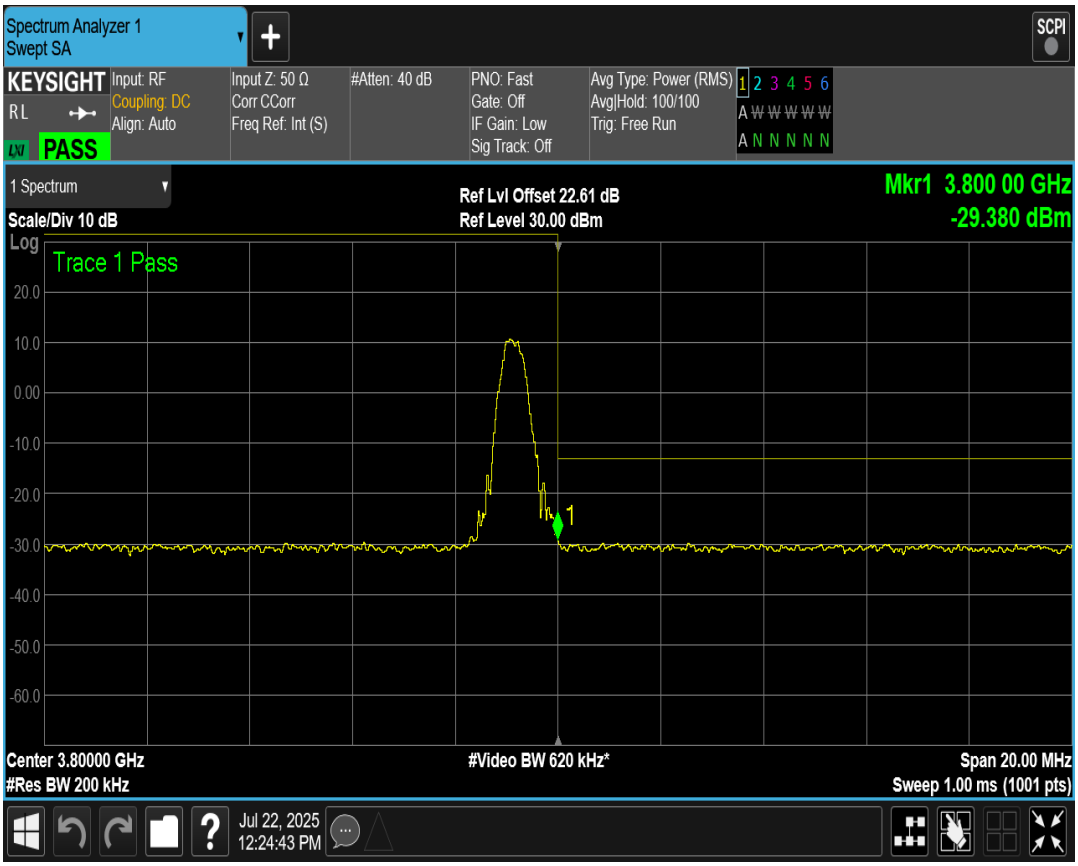


n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0

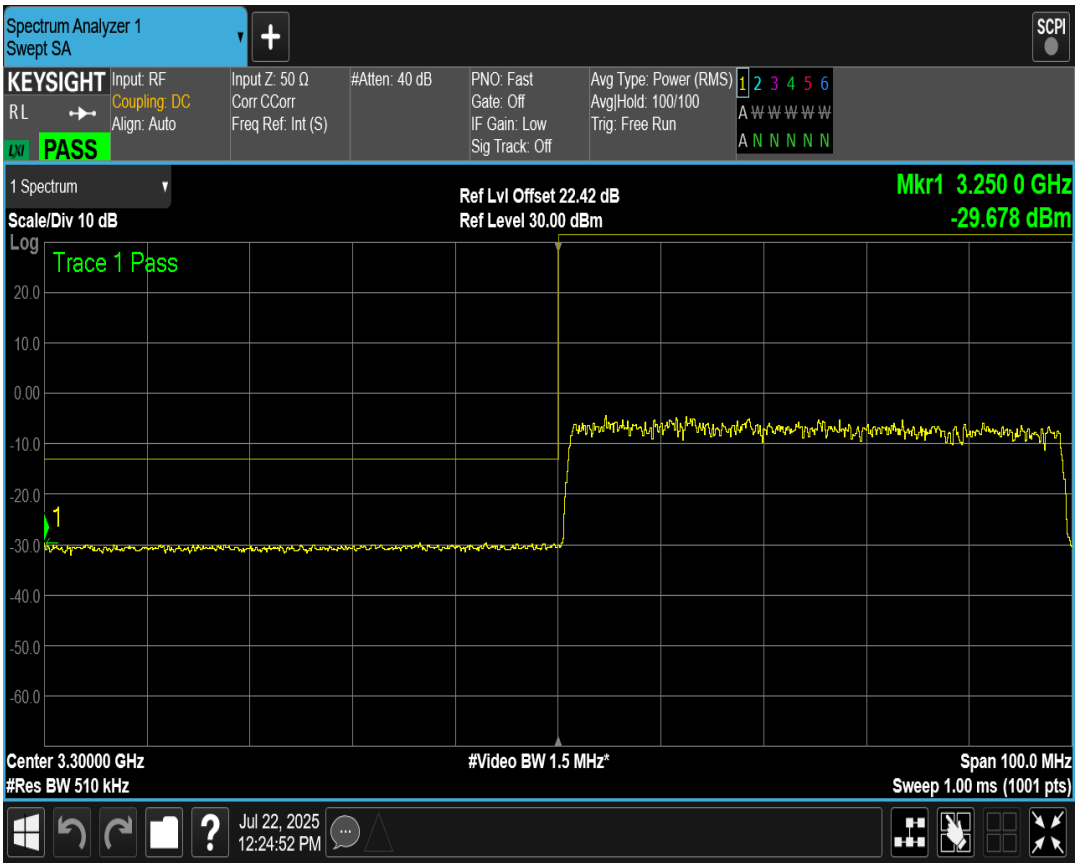
n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=24@0



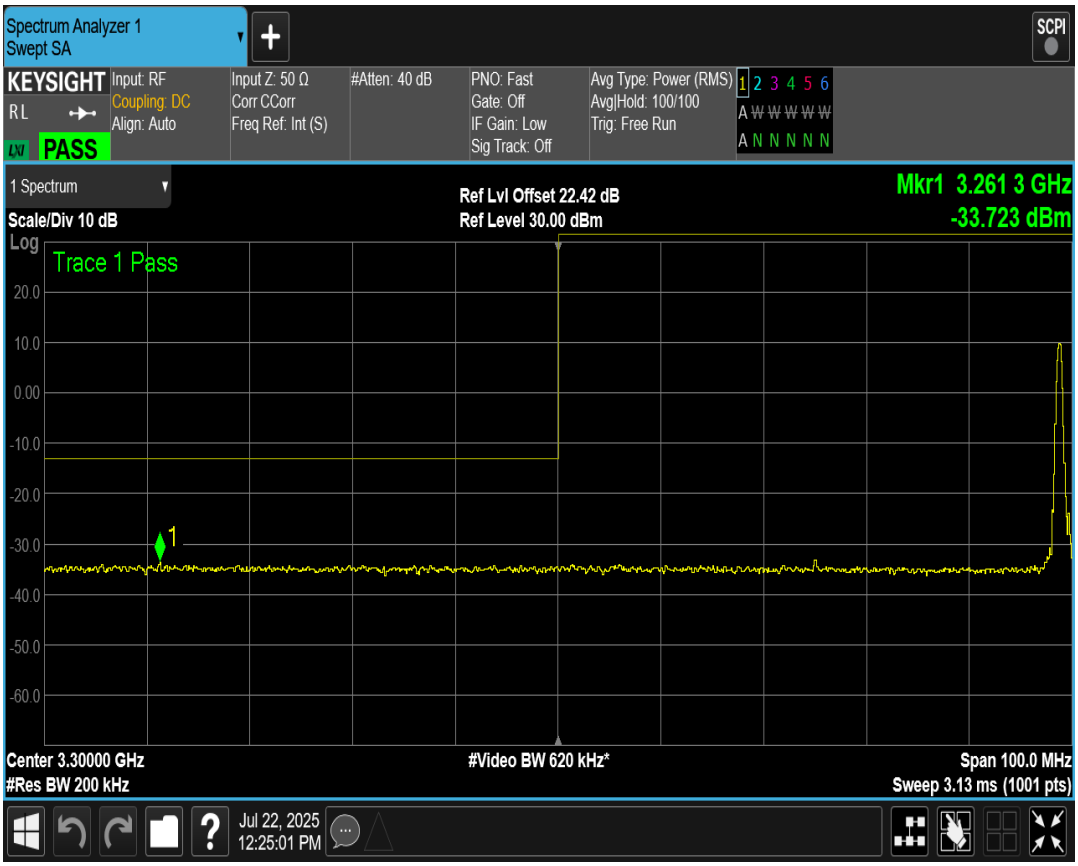
n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23



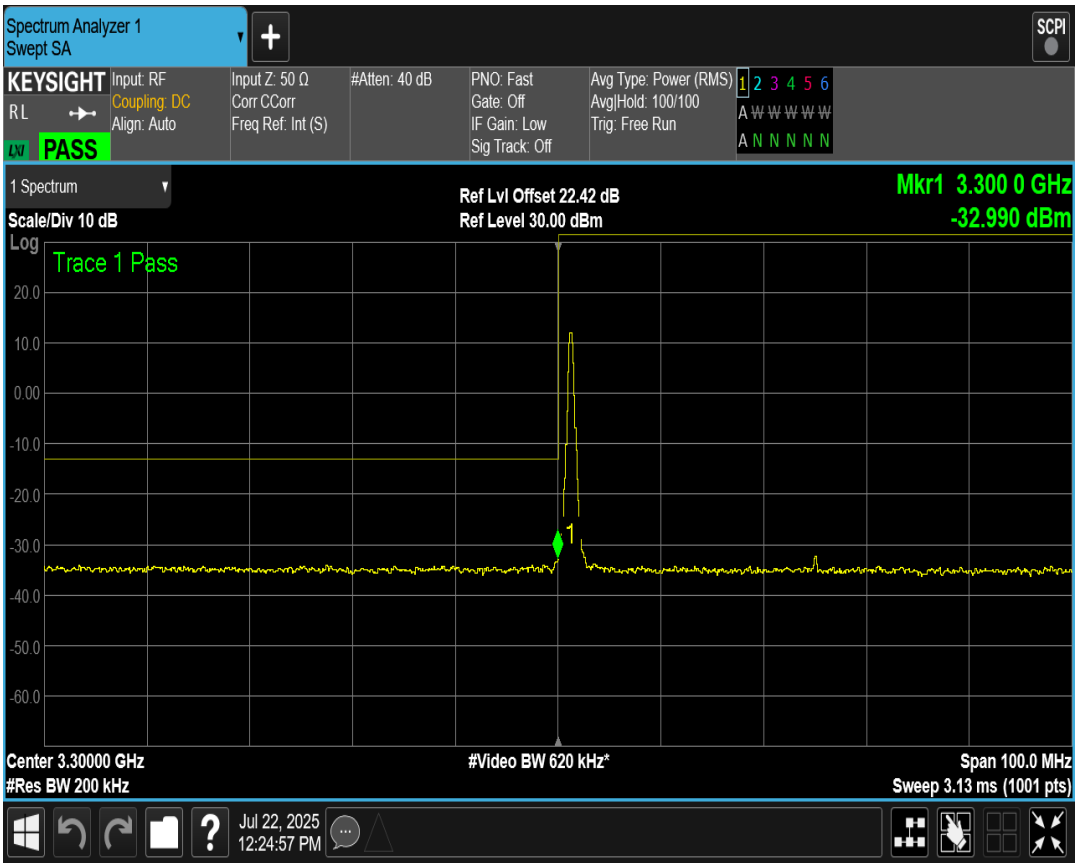
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=133@0



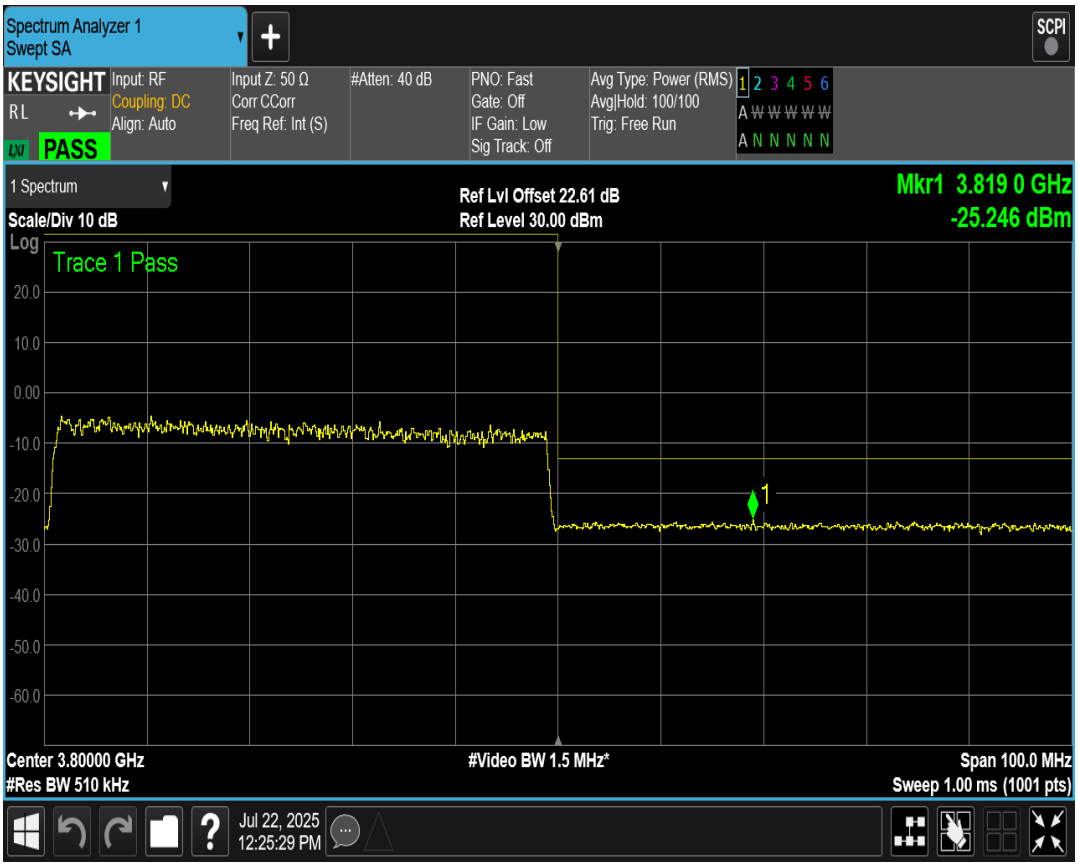
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@132



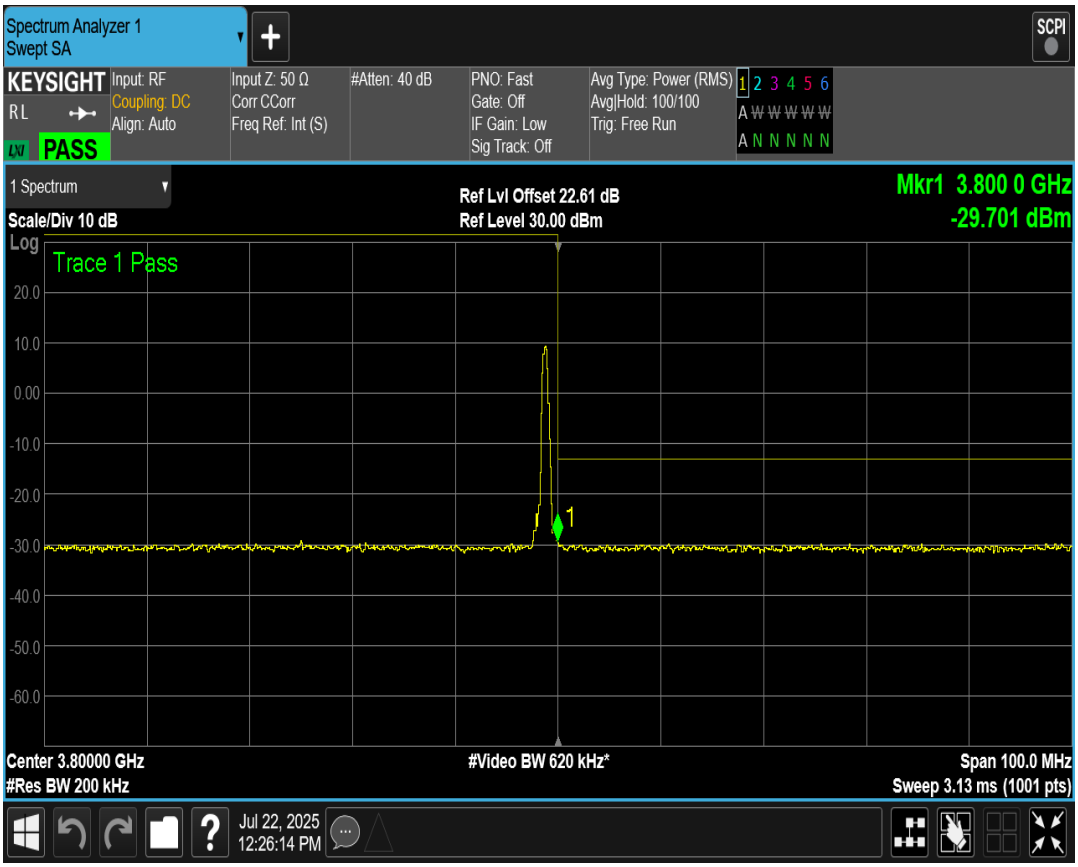
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0



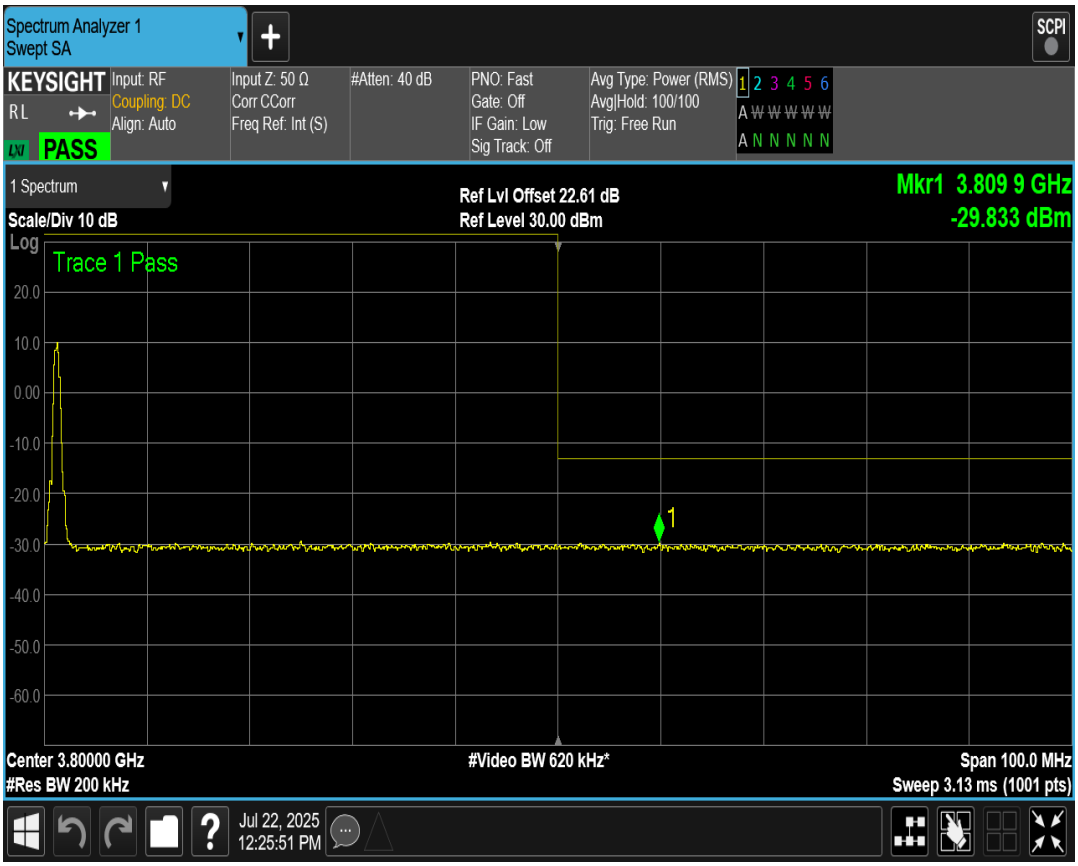
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0



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



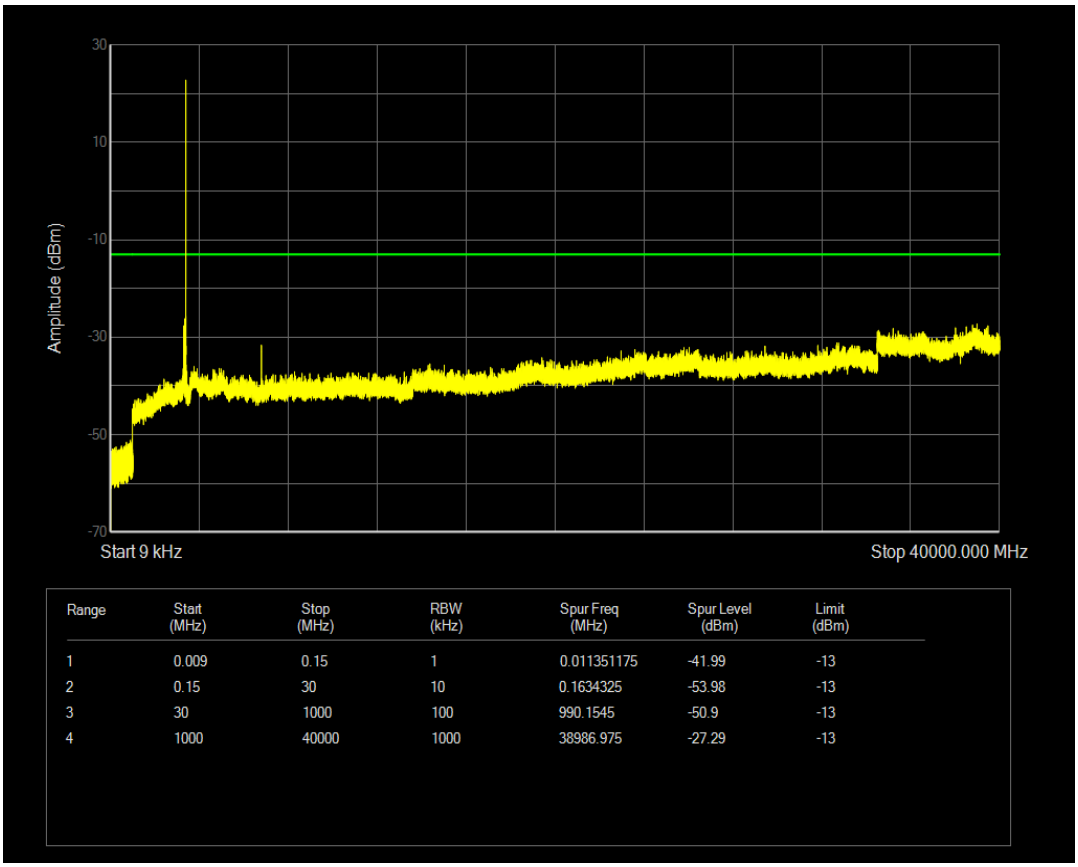
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@0



6 Out-of-band emissions for EN-DC

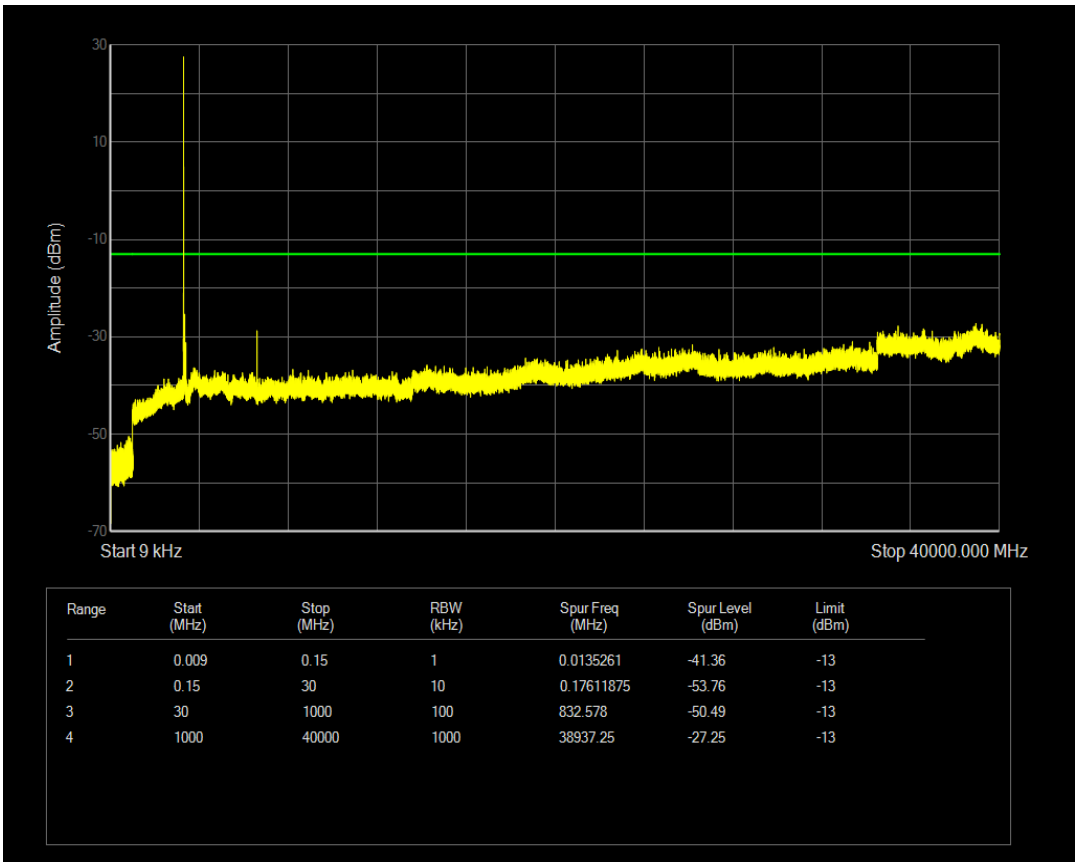
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78	30	10	620334	24@0	CP_QPSK	38922.63	-26.99	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	38868.03	-27.43	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	38845.60	-27.99	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	38800.75	-27.60	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	38973.33	-27.33	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	36471.48	-27.33	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	38869.98	-26.89	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	38530.68	-27.20	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	38815.38	-26.97	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	38857.30	-27.15	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	38894.35	-26.59	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	38925.55	-27.24	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	38667.18	-26.63	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	38937.25	-27.25	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	38986.98	-27.29	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	35125.00	-27.15	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	38867.05	-27.45	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	38934.33	-27.13	-13	PASS

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



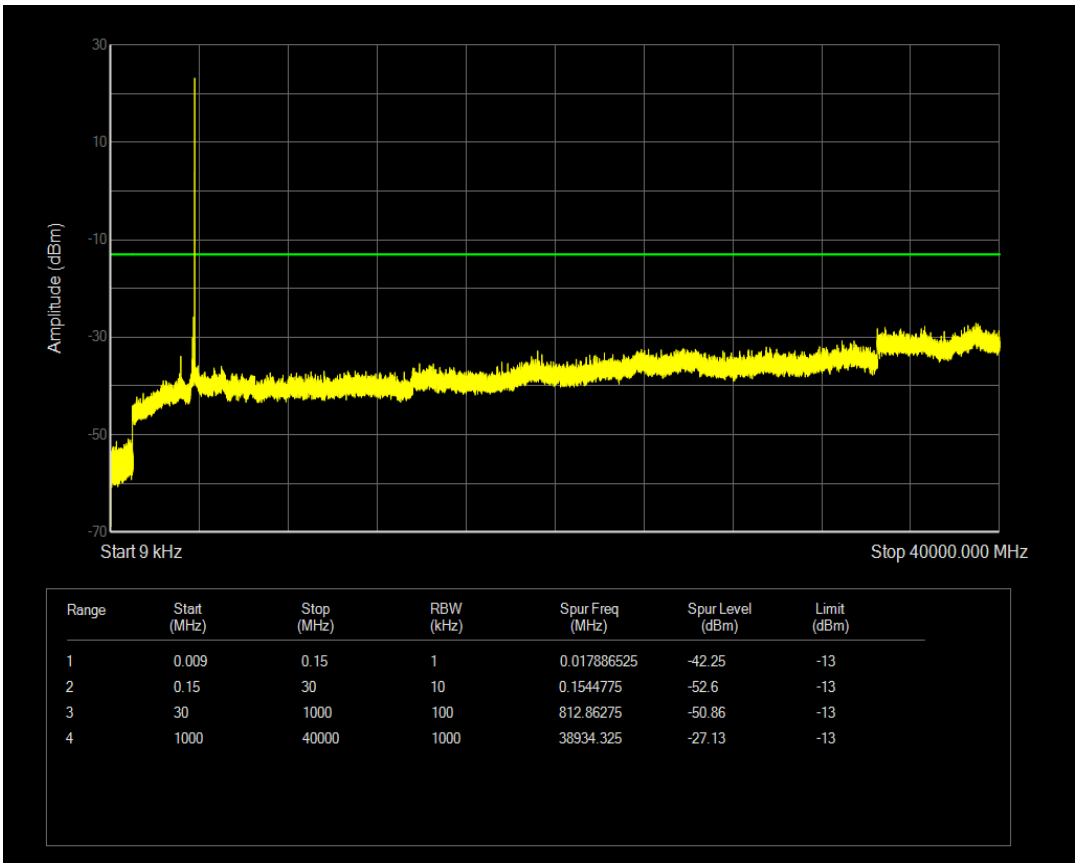
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011351175	-41.99	-13
2	0.15	30	10	0.1634325	-53.98	-13
3	30	1000	100	990.1545	-50.9	-13
4	1000	40000	1000	38986.975	-27.29	-13

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



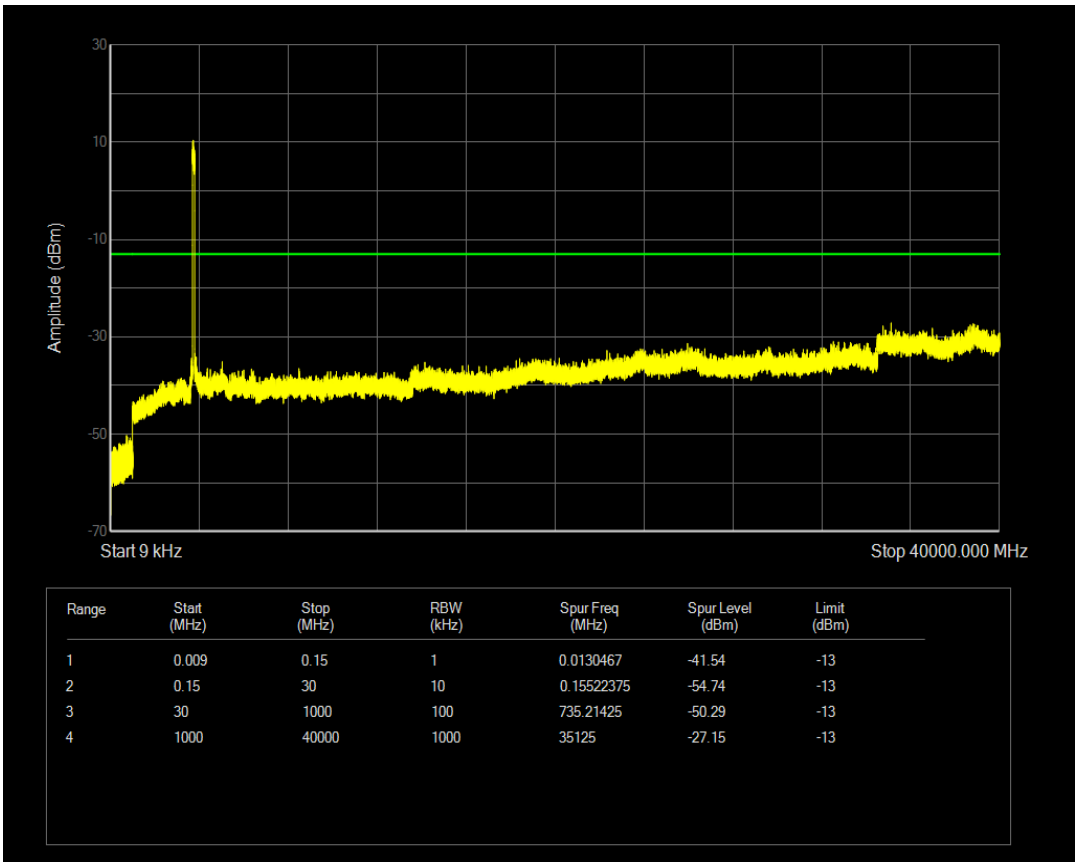
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0135261	-41.36	-13
2	0.15	30	10	0.17611875	-53.76	-13
3	30	1000	100	832.578	-50.49	-13
4	1000	40000	1000	38937.25	-27.25	-13

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



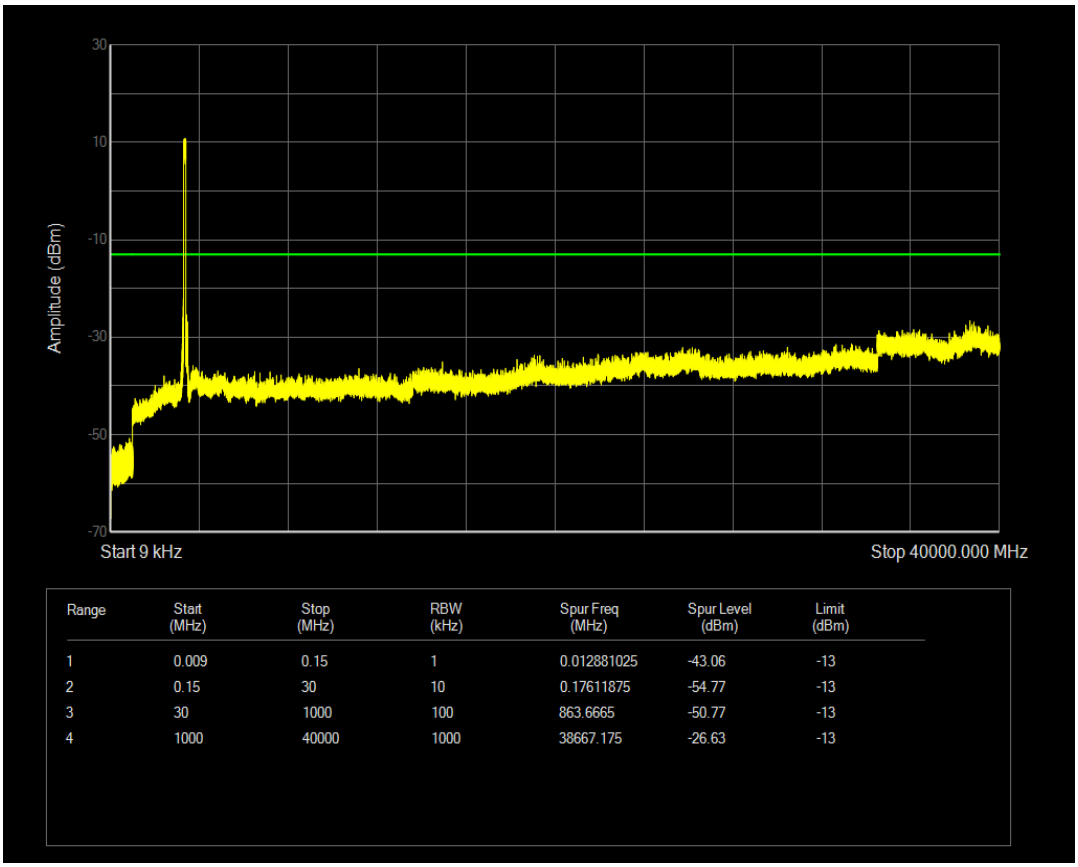
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.017886525	-42.25	-13
2	0.15	30	10	0.1544775	-52.6	-13
3	30	1000	100	812.86275	-50.86	-13
4	1000	40000	1000	38934.325	-27.13	-13

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



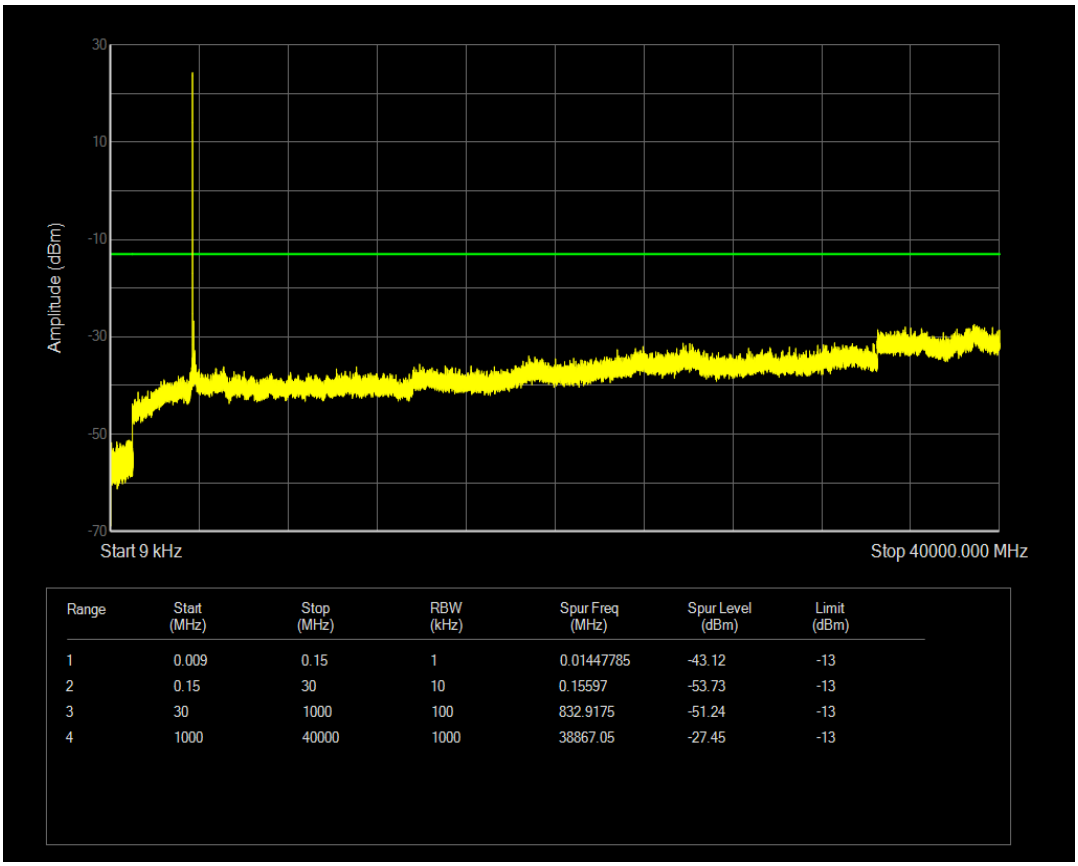
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0130467	-41.54	-13
2	0.15	30	10	0.15522375	-54.74	-13
3	30	1000	100	735.21425	-50.29	-13
4	1000	40000	1000	35125	-27.15	-13

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



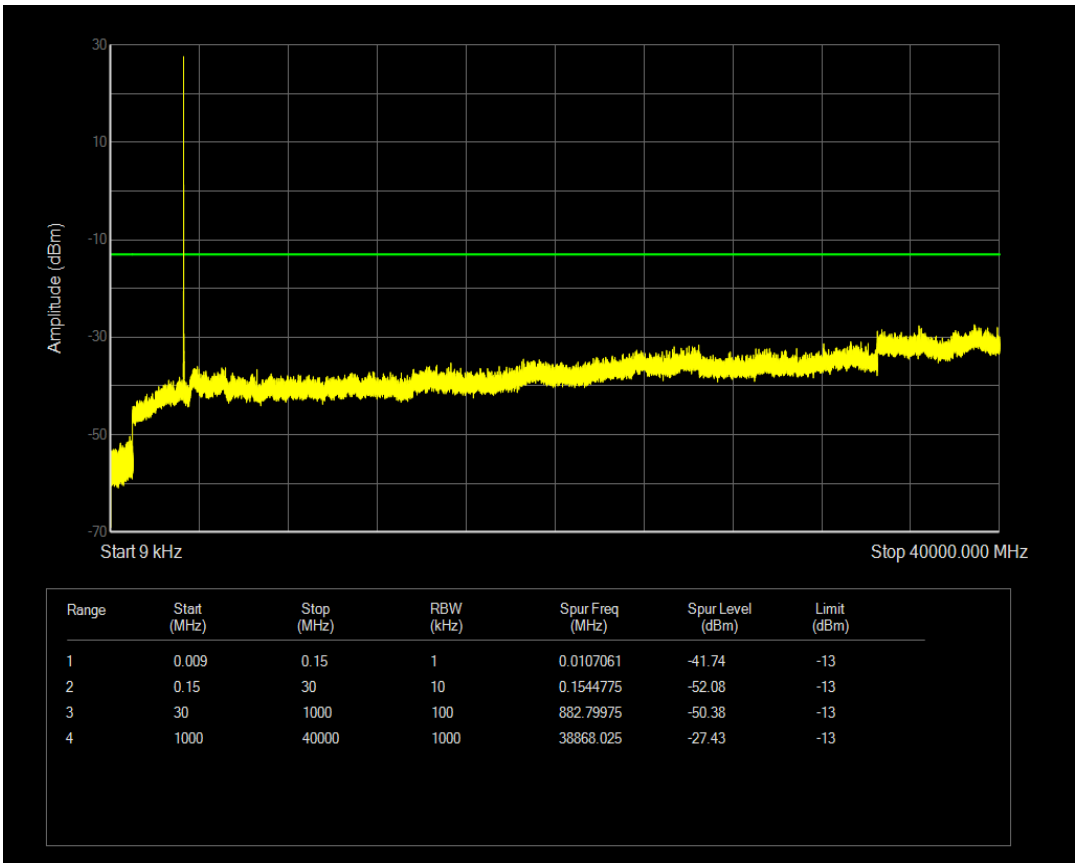
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012881025	-43.06	-13
2	0.15	30	10	0.17611875	-54.77	-13
3	30	1000	100	863.6665	-50.77	-13
4	1000	40000	1000	38667.175	-26.63	-13

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



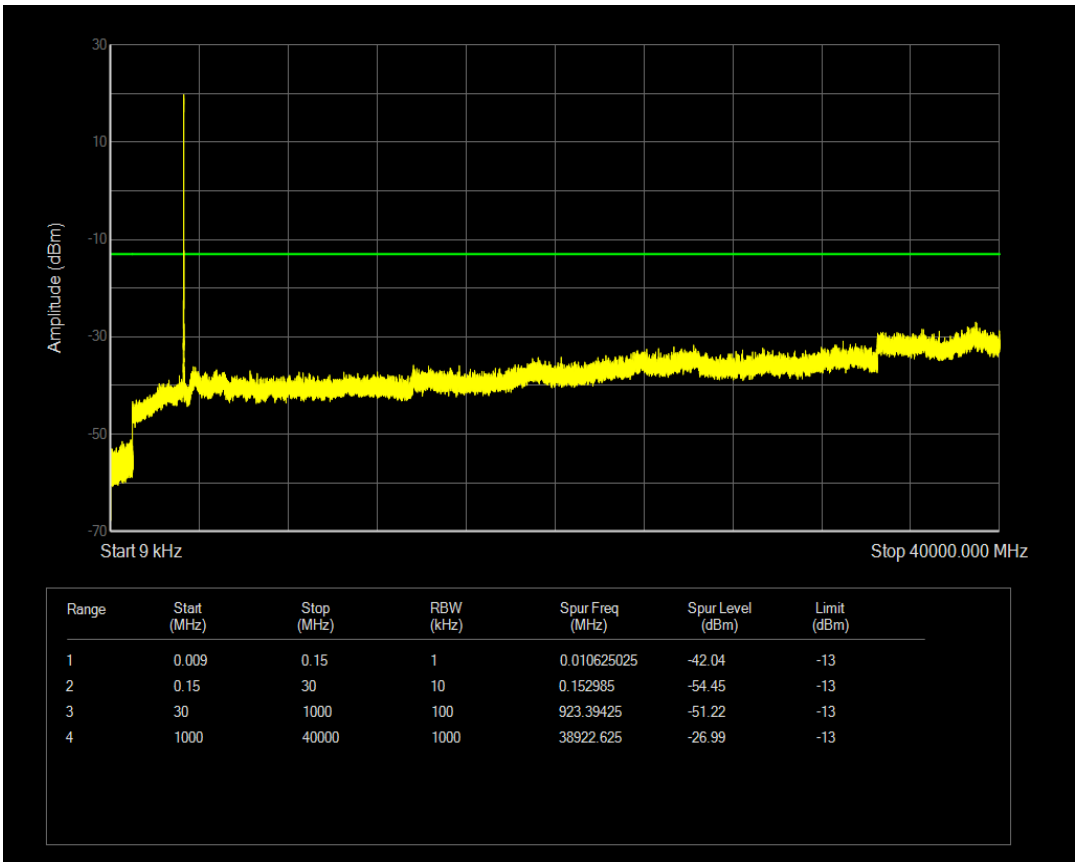
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01447785	-43.12	-13
2	0.15	30	10	0.15597	-53.73	-13
3	30	1000	100	832.9175	-51.24	-13
4	1000	40000	1000	38867.05	-27.45	-13

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



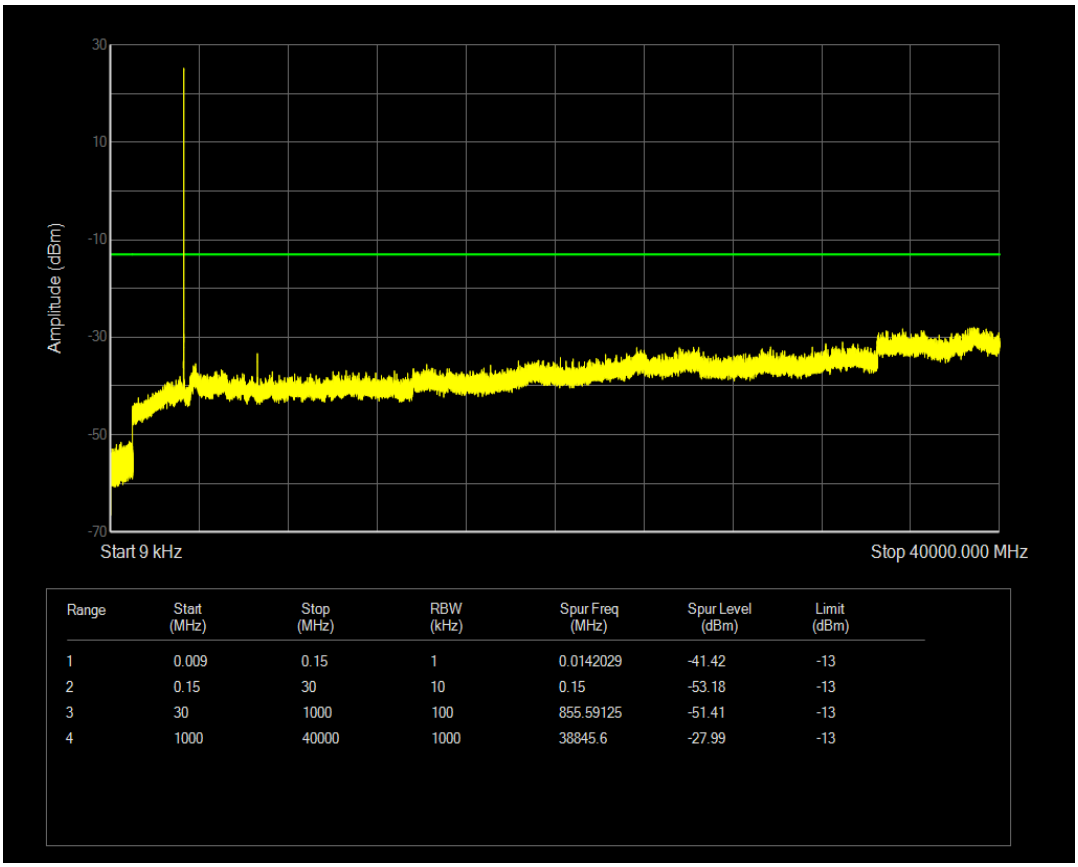
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107061	-41.74	-13
2	0.15	30	10	0.1544775	-52.08	-13
3	30	1000	100	882.79975	-50.38	-13
4	1000	40000	1000	38868.025	-27.43	-13

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



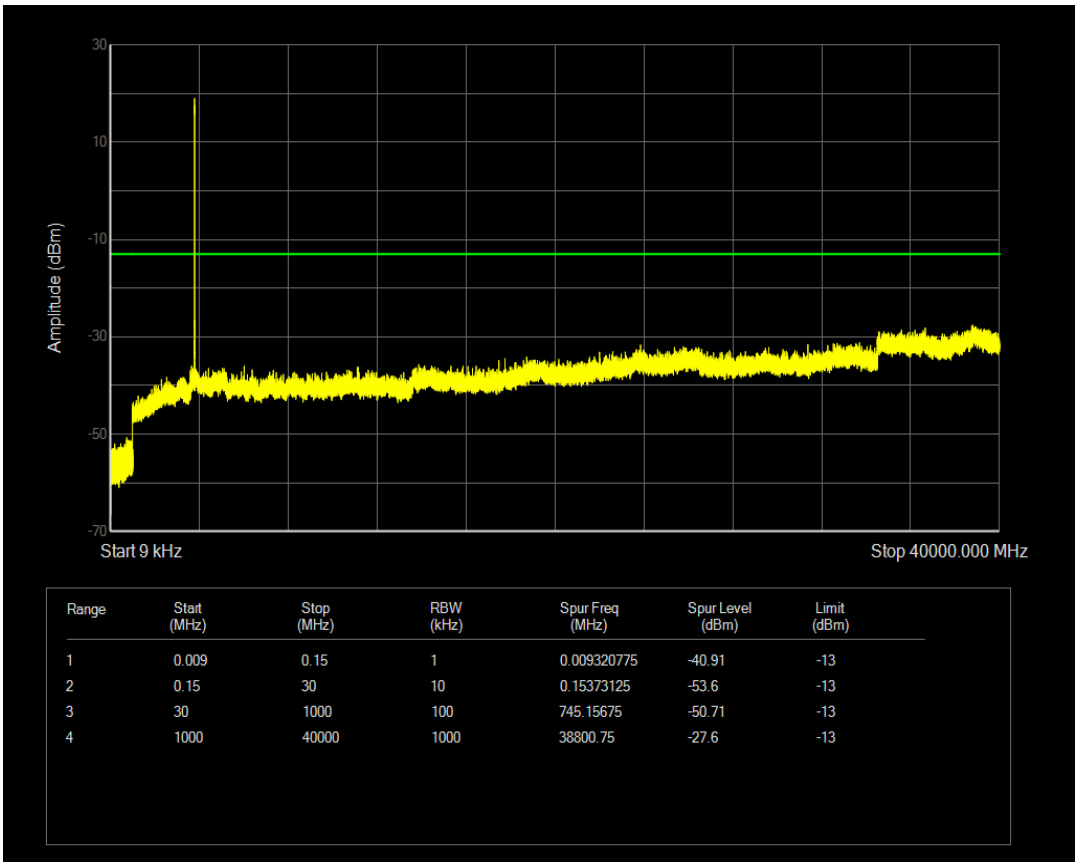
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010625025	-42.04	-13
2	0.15	30	10	0.152985	-54.45	-13
3	30	1000	100	923.39425	-51.22	-13
4	1000	40000	1000	38922.625	-26.99	-13

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



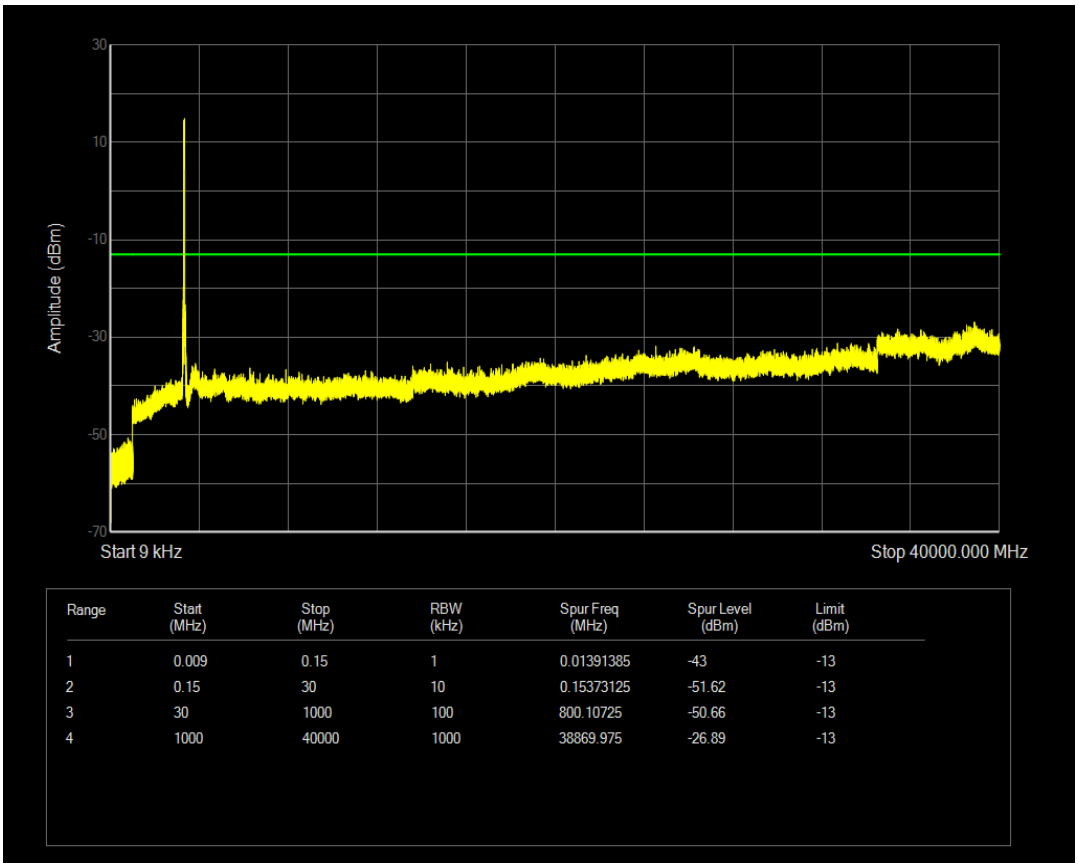
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0142029	-41.42	-13
2	0.15	30	10	0.15	-53.18	-13
3	30	1000	100	855.59125	-51.41	-13
4	1000	40000	1000	38845.6	-27.99	-13

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



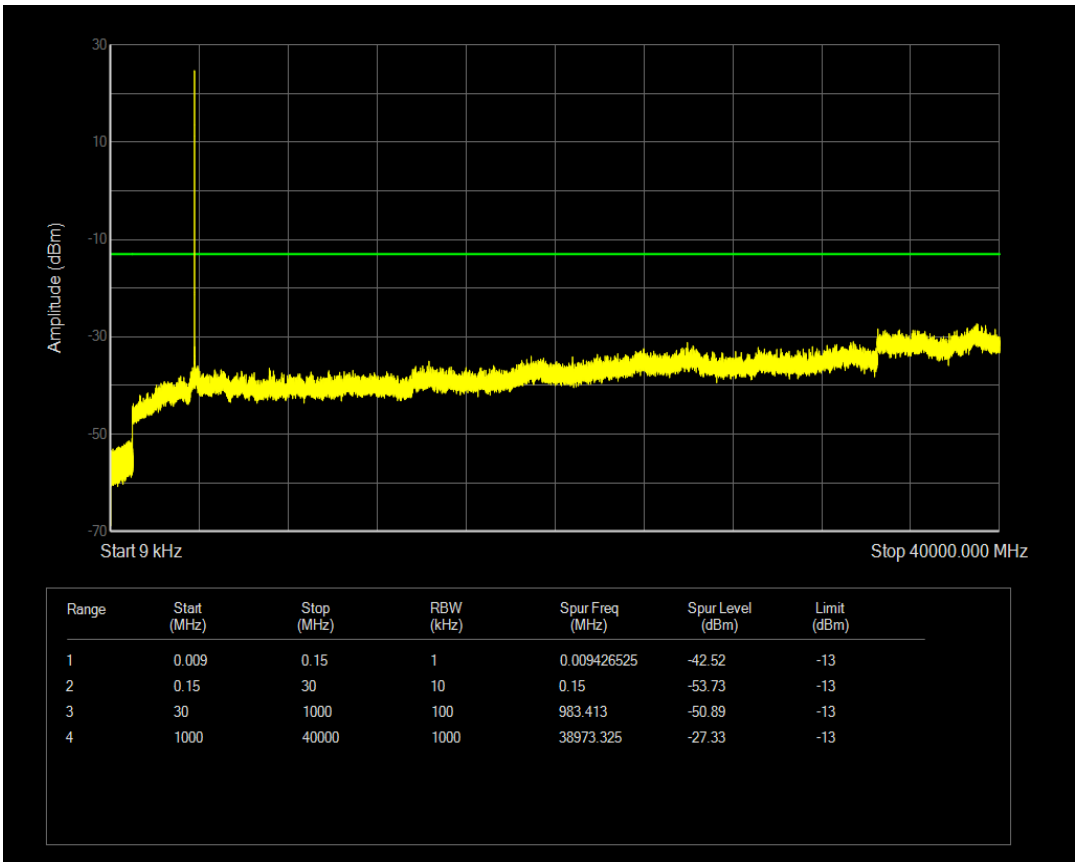
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009320775	-40.91	-13
2	0.15	30	10	0.15373125	-53.6	-13
3	30	1000	100	745.15675	-50.71	-13
4	1000	40000	1000	38800.75	-27.6	-13

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



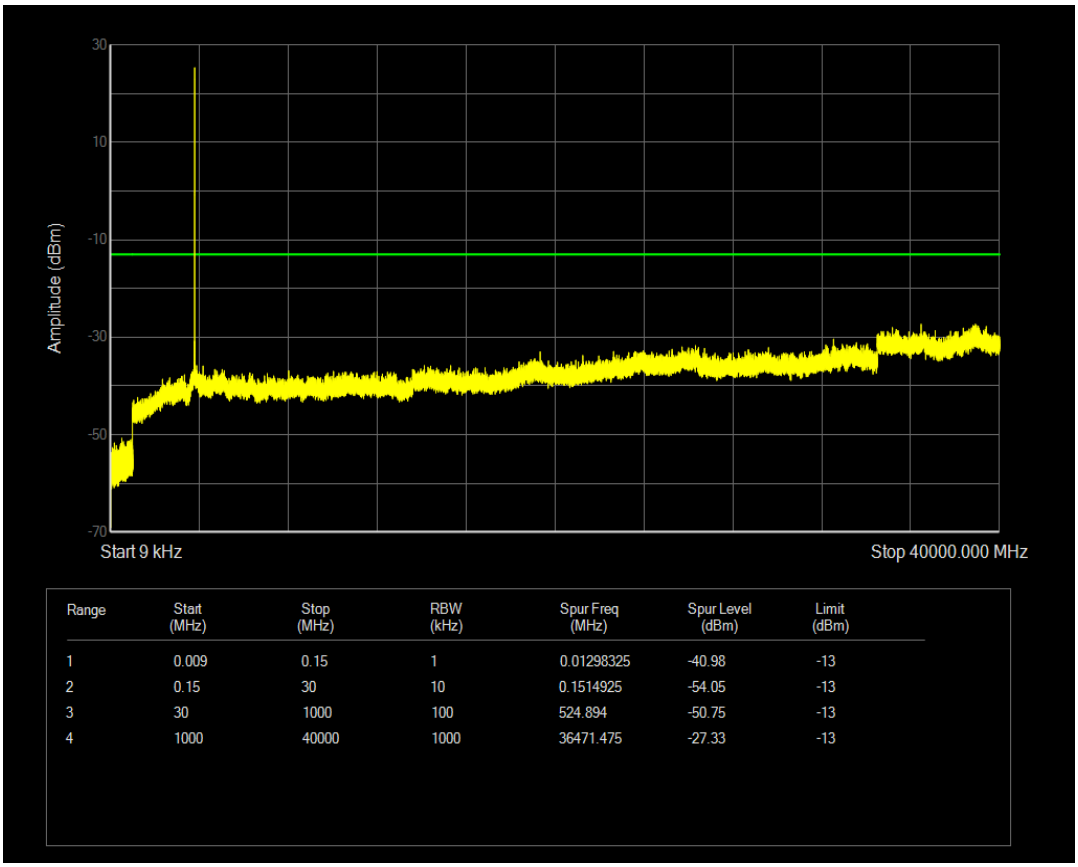
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01391385	-43	-13
2	0.15	30	10	0.15373125	-51.62	-13
3	30	1000	100	800.10725	-50.66	-13
4	1000	40000	1000	38869.975	-26.89	-13

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



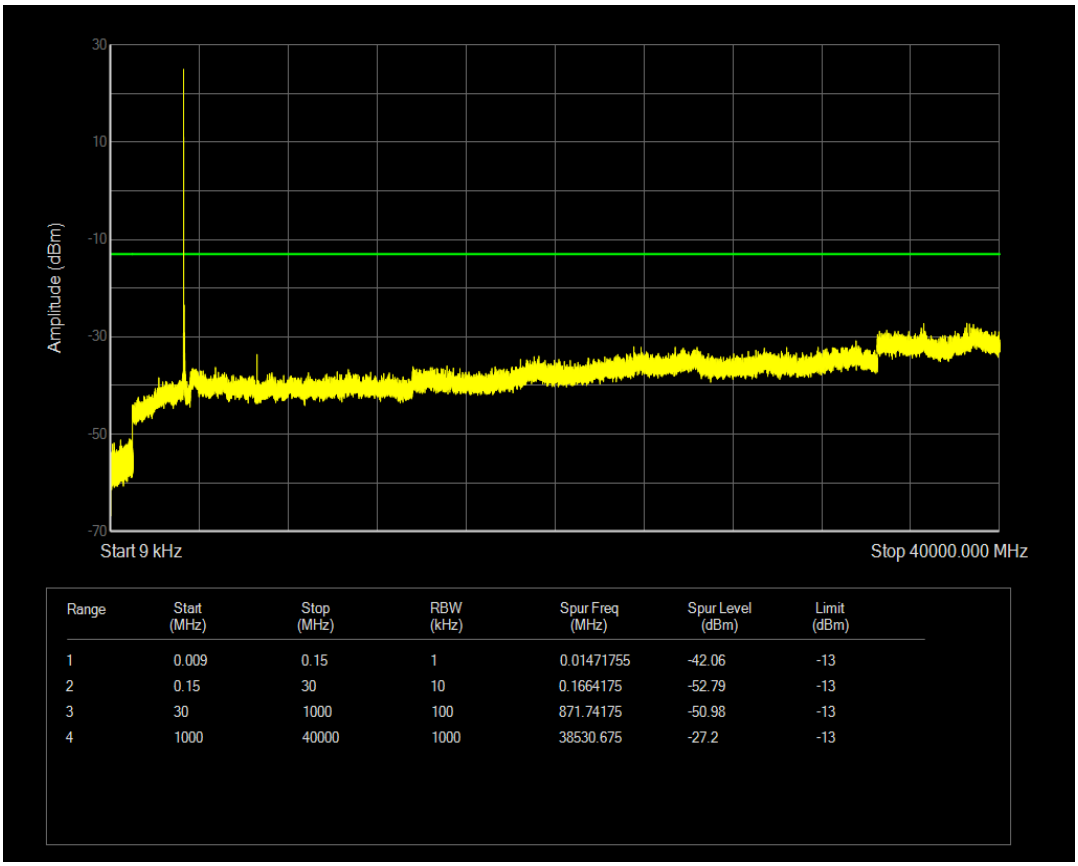
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009426525	-42.52	-13
2	0.15	30	10	0.15	-53.73	-13
3	30	1000	100	983.413	-50.89	-13
4	1000	40000	1000	38973.325	-27.33	-13

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



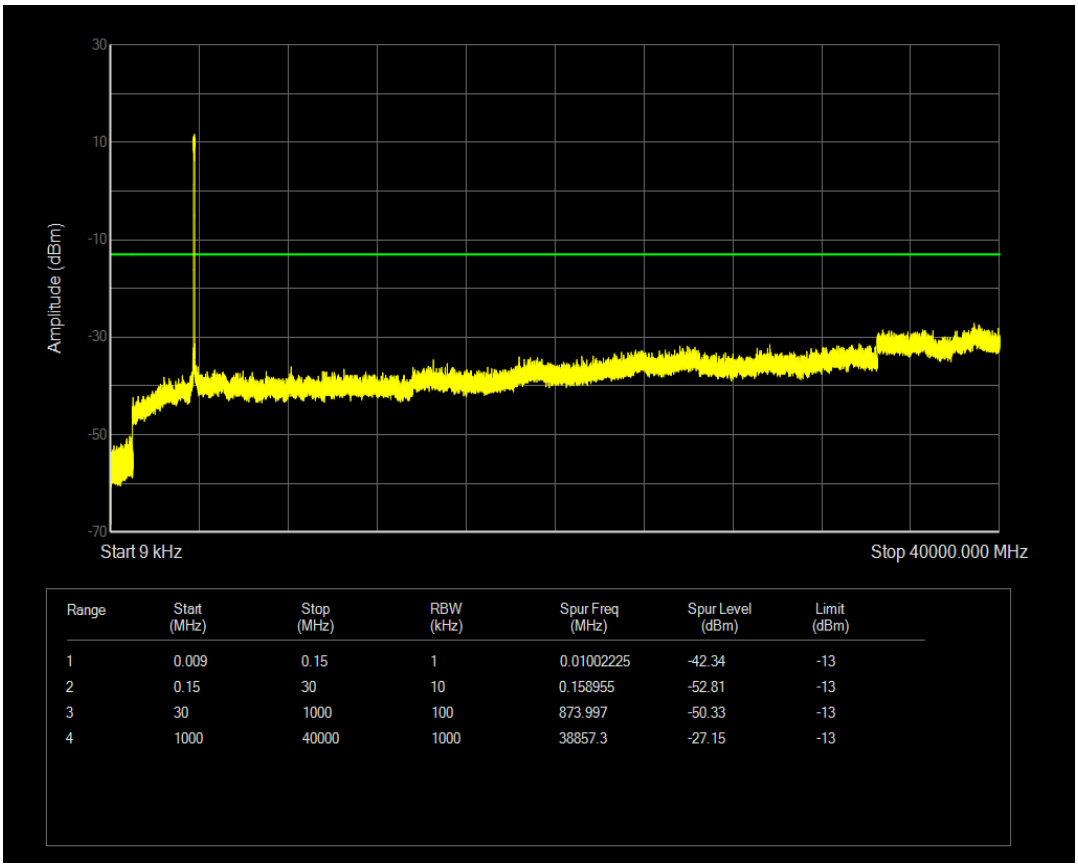
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01298325	-40.98	-13
2	0.15	30	10	0.1514925	-54.05	-13
3	30	1000	100	524.894	-50.75	-13
4	1000	40000	1000	36471.475	-27.33	-13

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



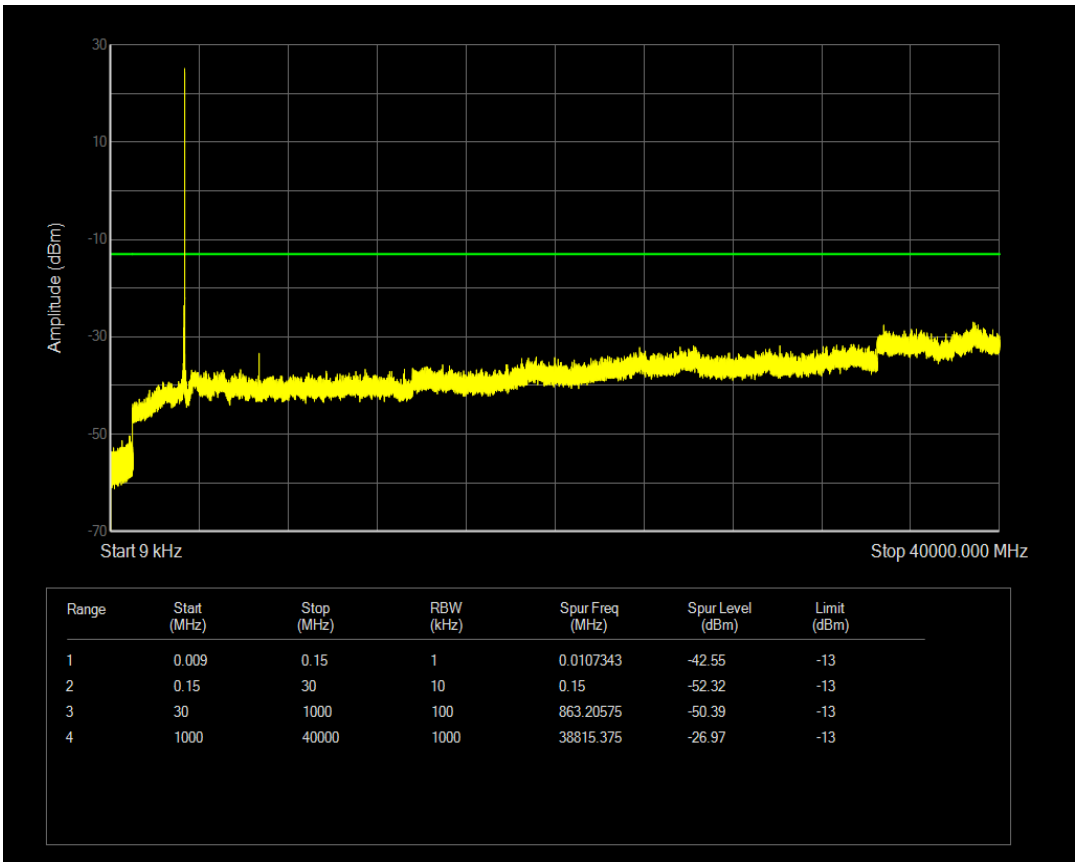
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01471755	-42.06	-13
2	0.15	30	10	0.1664175	-52.79	-13
3	30	1000	100	871.74175	-50.98	-13
4	1000	40000	1000	38530.675	-27.2	-13

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



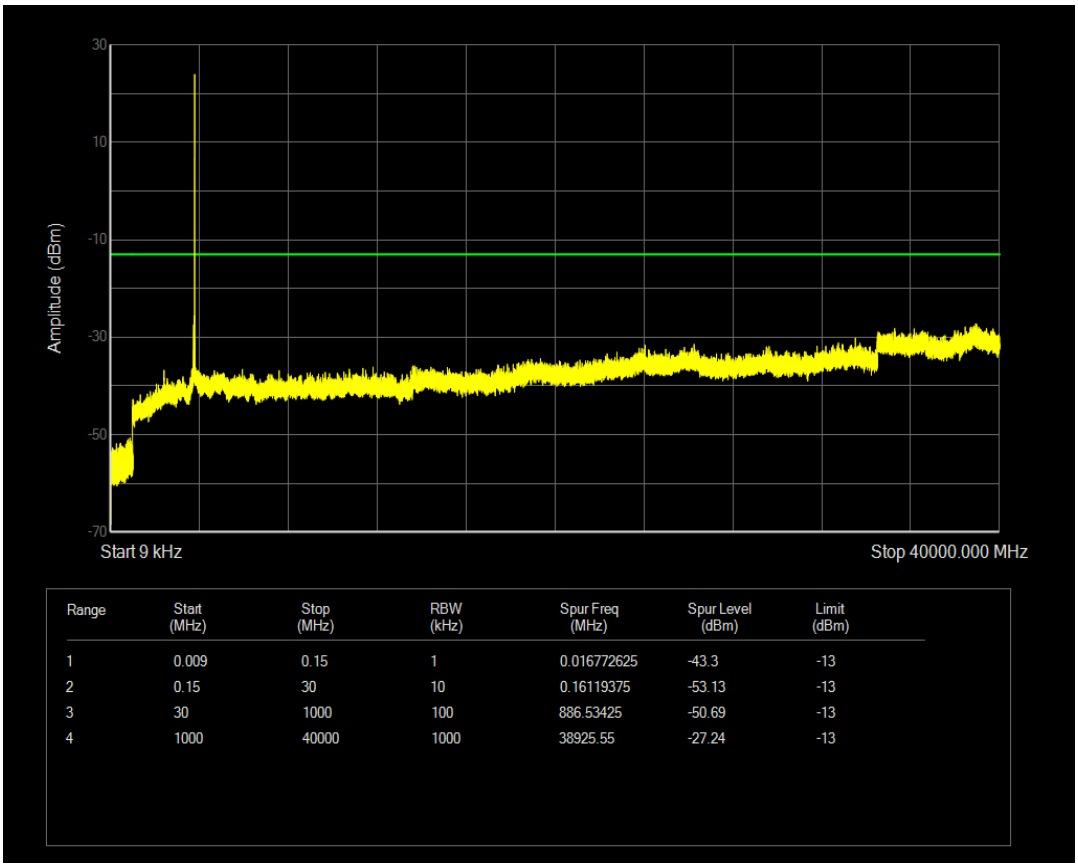
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01002225	-42.34	-13
2	0.15	30	10	0.158955	-52.81	-13
3	30	1000	100	873.997	-50.33	-13
4	1000	40000	1000	38857.3	-27.15	-13

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



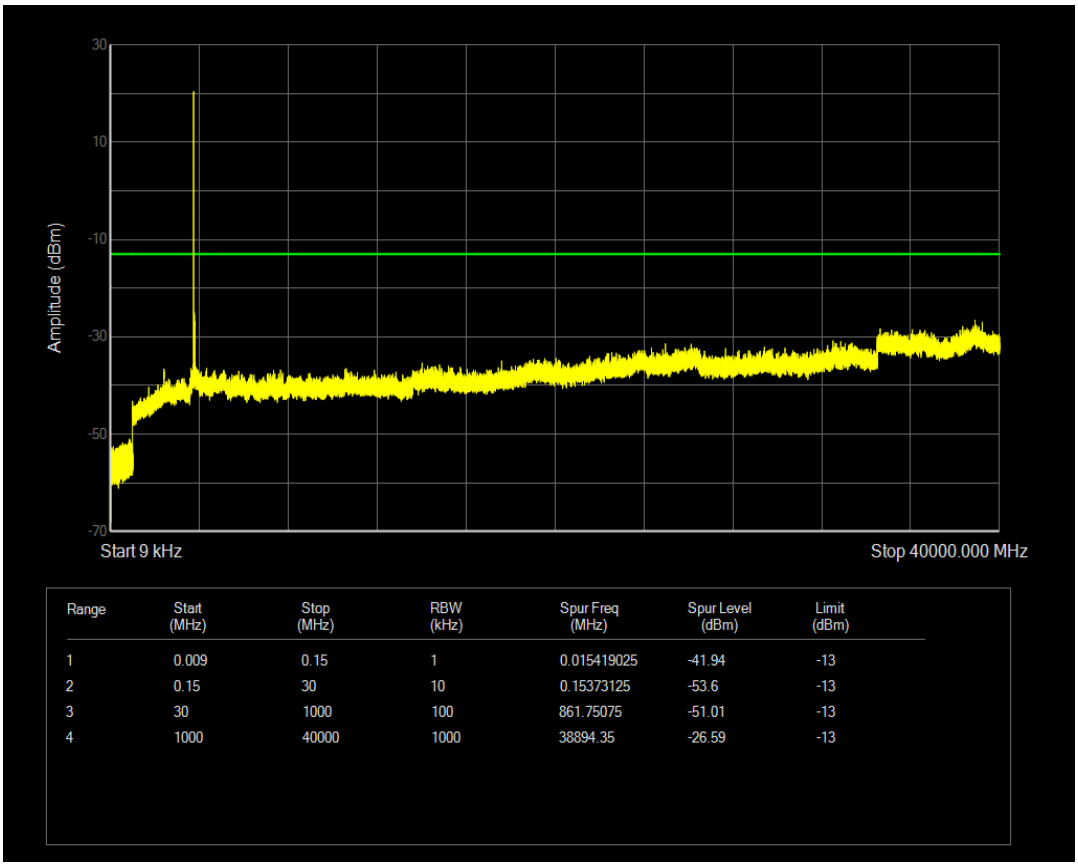
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107343	-42.55	-13
2	0.15	30	10	0.15	-52.32	-13
3	30	1000	100	863.20575	-50.39	-13
4	1000	40000	1000	38815.375	-26.97	-13

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	0.016772625	-43.3	-13
2	0.15	30	10	0.16119375	-53.13	-13
3	30	1000	100	886.53425	-50.69	-13
4	1000	40000	1000	38925.55	-27.24	-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	0.015419025	-41.94	-13
2	0.15	30	10	0.15373125	-53.6	-13
3	30	1000	100	861.75075	-51.01	-13
4	1000	40000	1000	38894.35	-26.59	-13