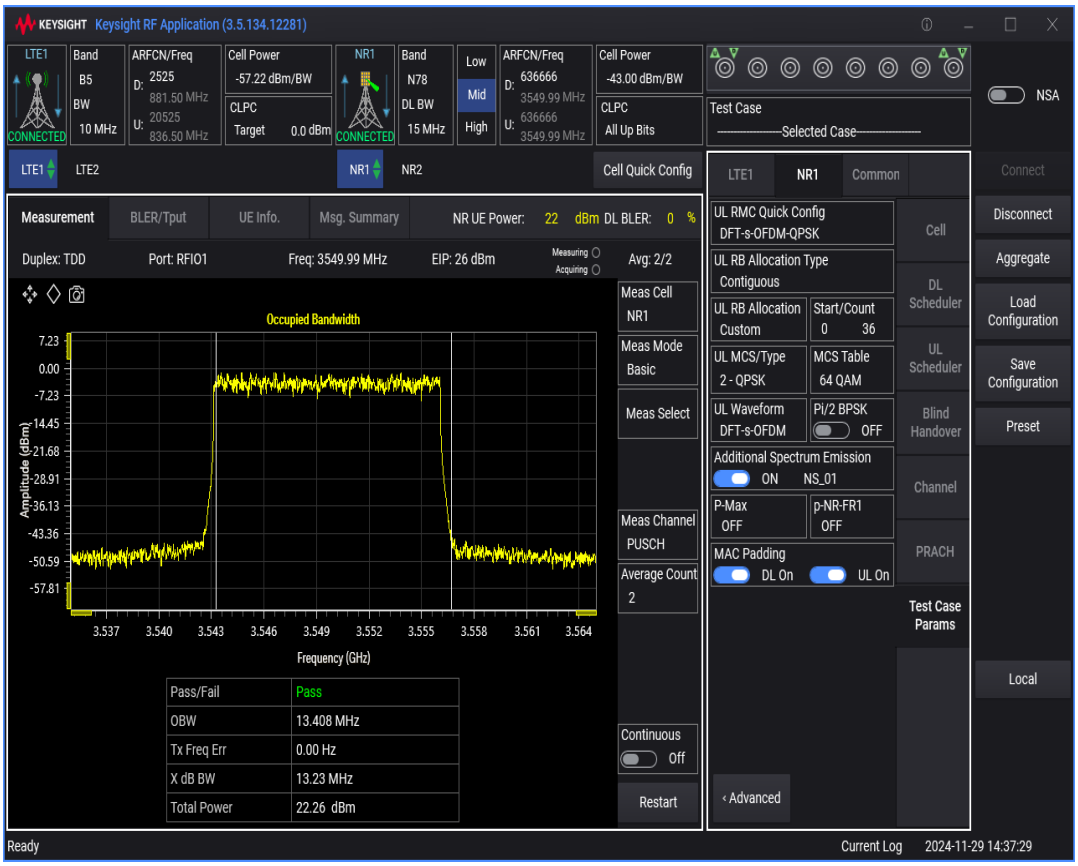
n78 SCS=30kHz DFT_QAM64 BW=40MHz Channel=636666 RB=100@0

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

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

n78 SCS=30kHz DFT_QPSK BW=10MHz Channel=636666 RB=24@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=40MHz Channel=636666 RB=100@0

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

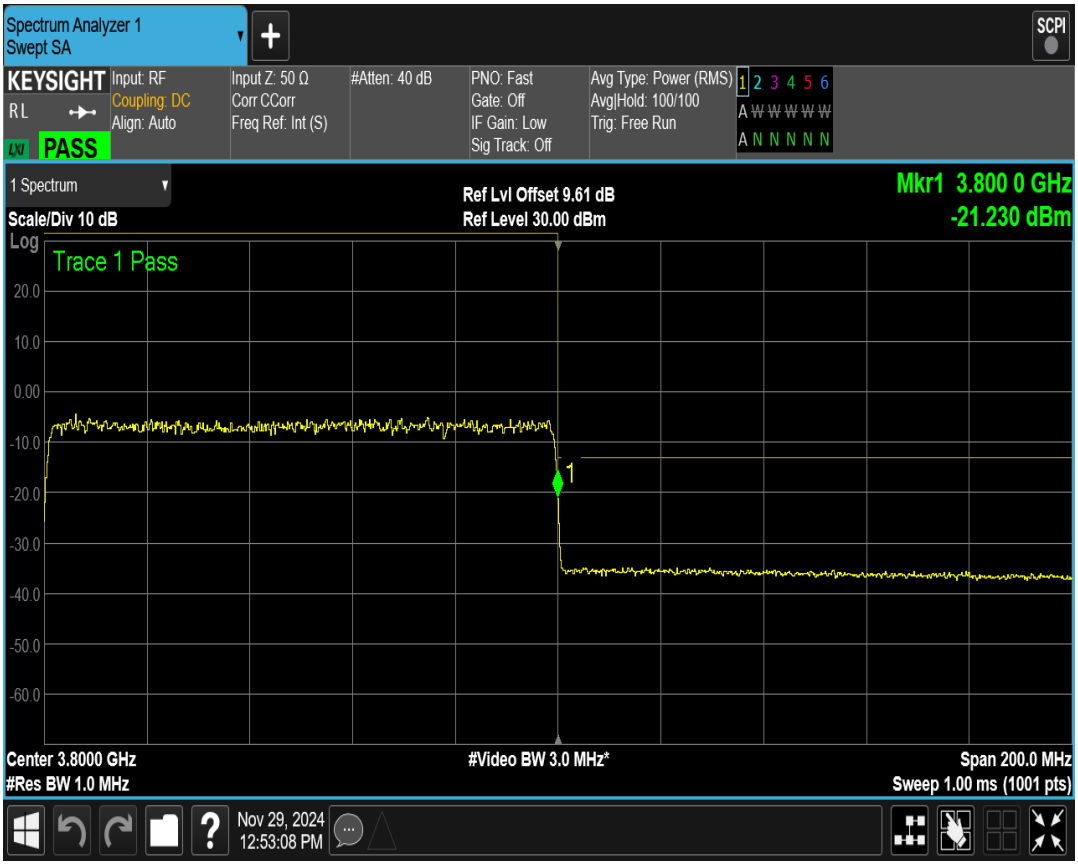
n78 SCS=30kHz DFT_QPSK BW=90MHz Channel=636666 RB=240@0

5 Band edge for EN-DC

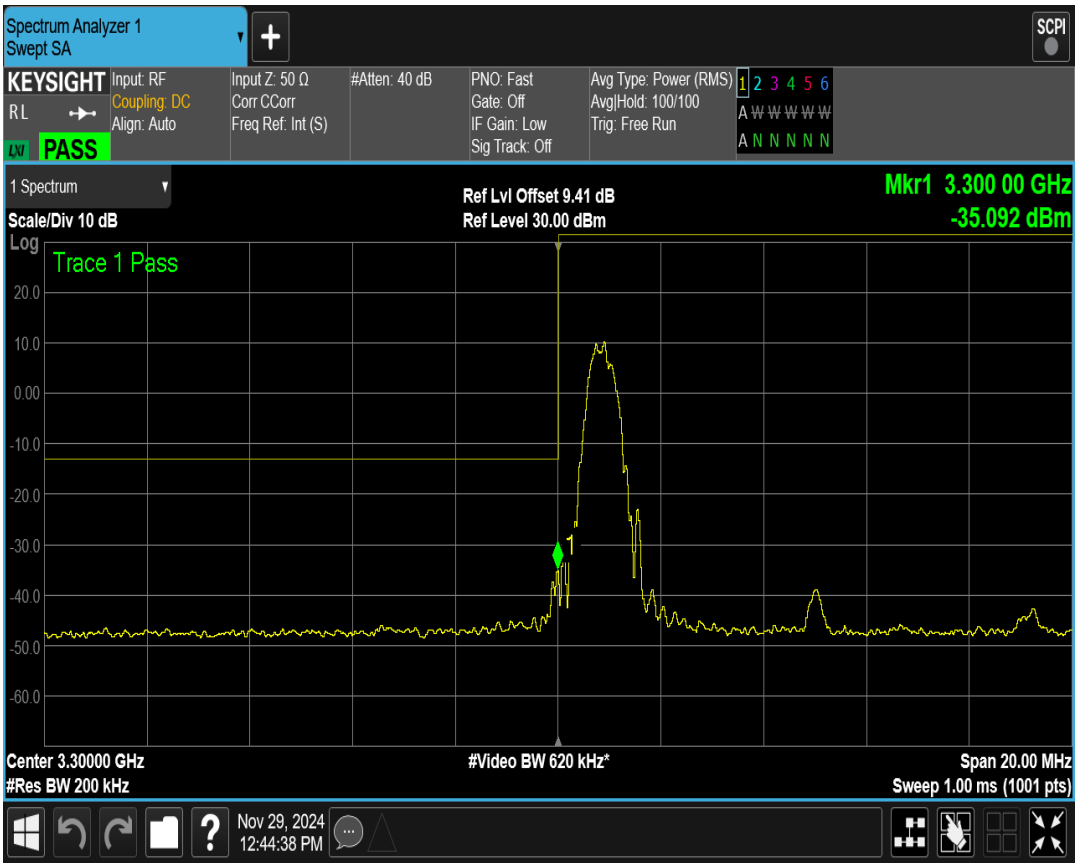
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78	30	10	620334	24@0	CP_QPSK	3299.52	-34.82	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	3300.00	-35.09	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	3298.64	-46.29	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	3800.70	-41.70	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	3805.16	-41.90	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	3800.18	-41.73	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	3283.10	-42.35	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	3299.90	-37.59	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	3290.60	-46.17	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	3801.00	-37.07	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	3840.60	-42.46	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	3800.00	-38.67	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	3300.00	-25.27	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	3300.00	-31.25	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	3282.00	-46.56	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	3800.00	-21.22	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	3820.60	-42.47	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	3800.00	-40.08	-13	PASS

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

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

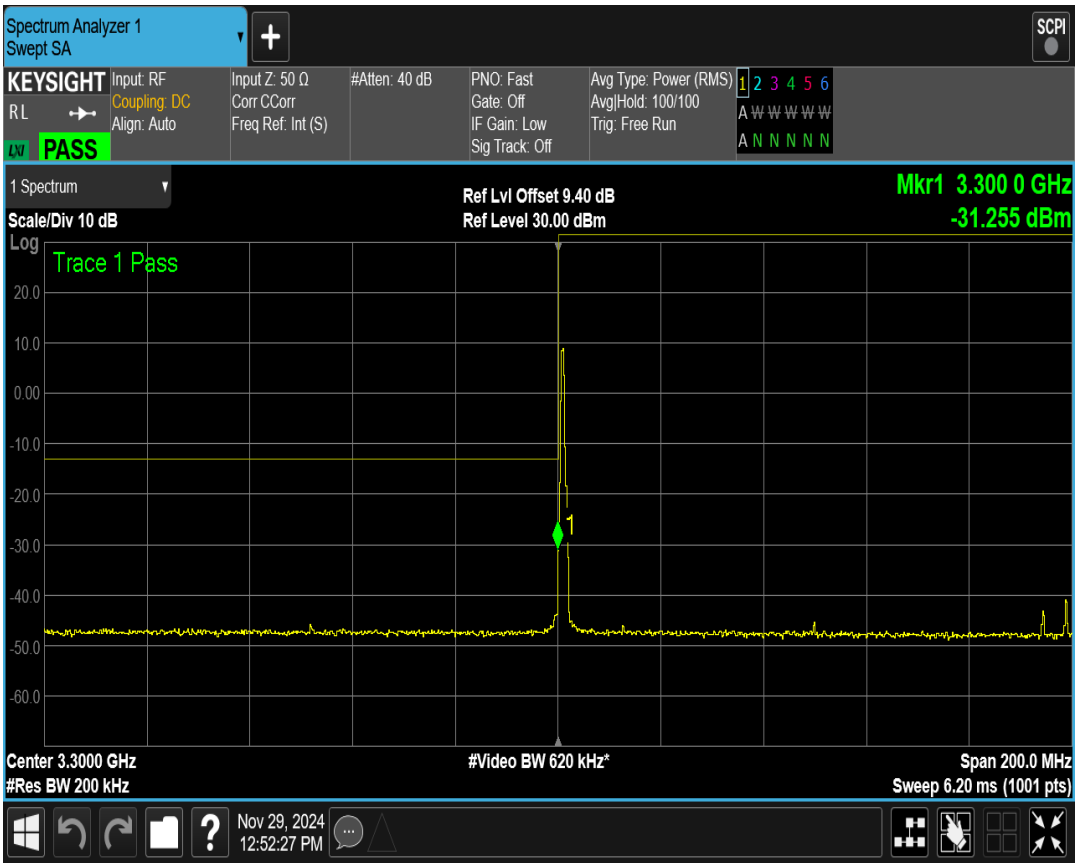


n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@0

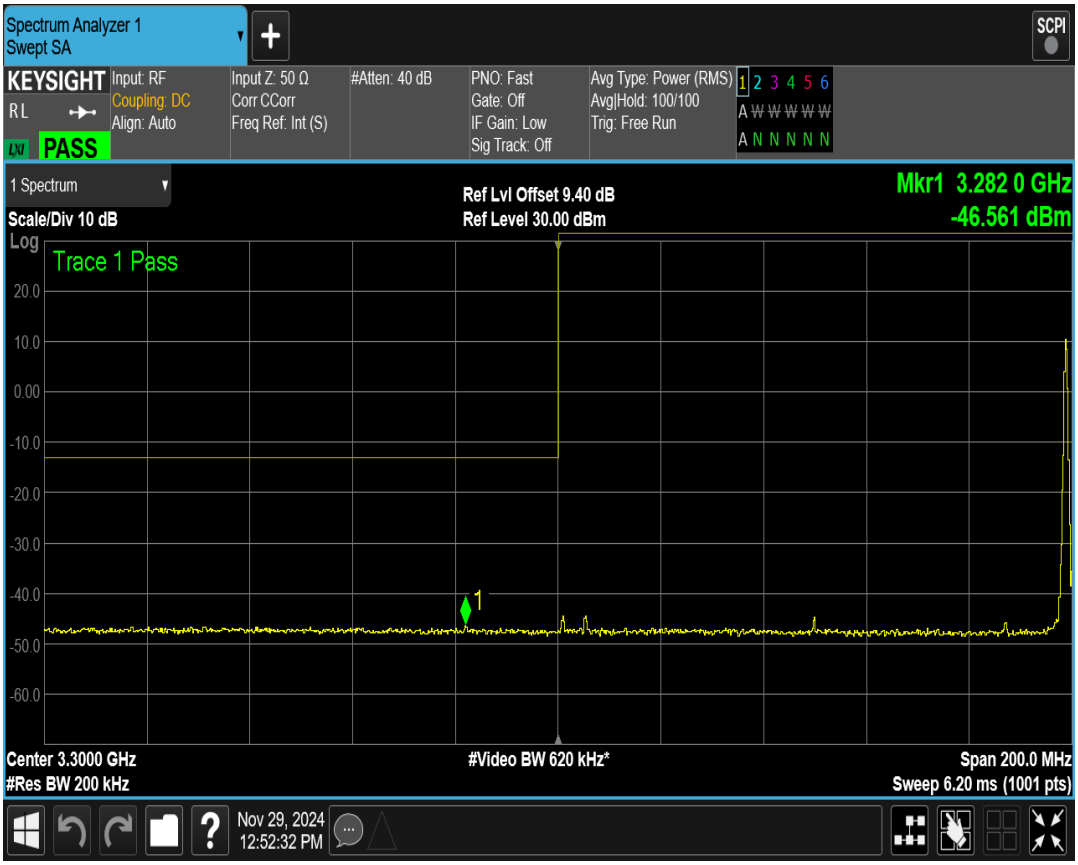


n78 SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0

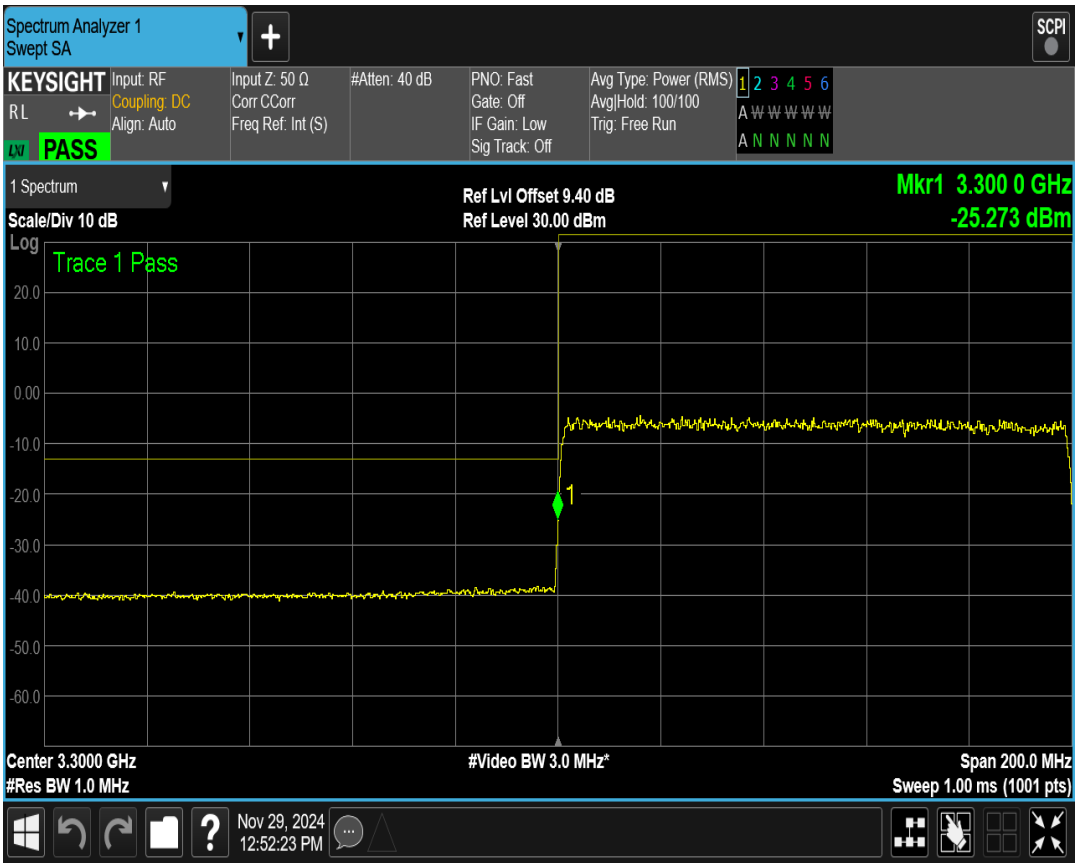
n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@0



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

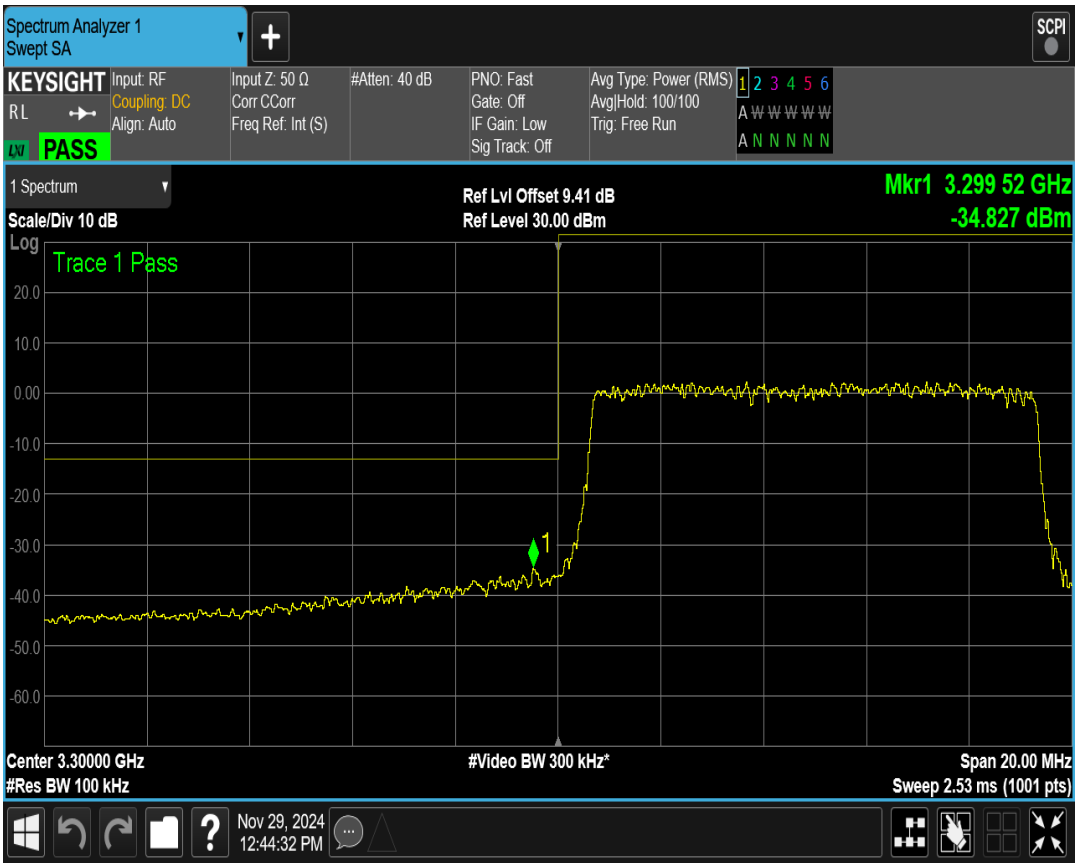


n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=273@0

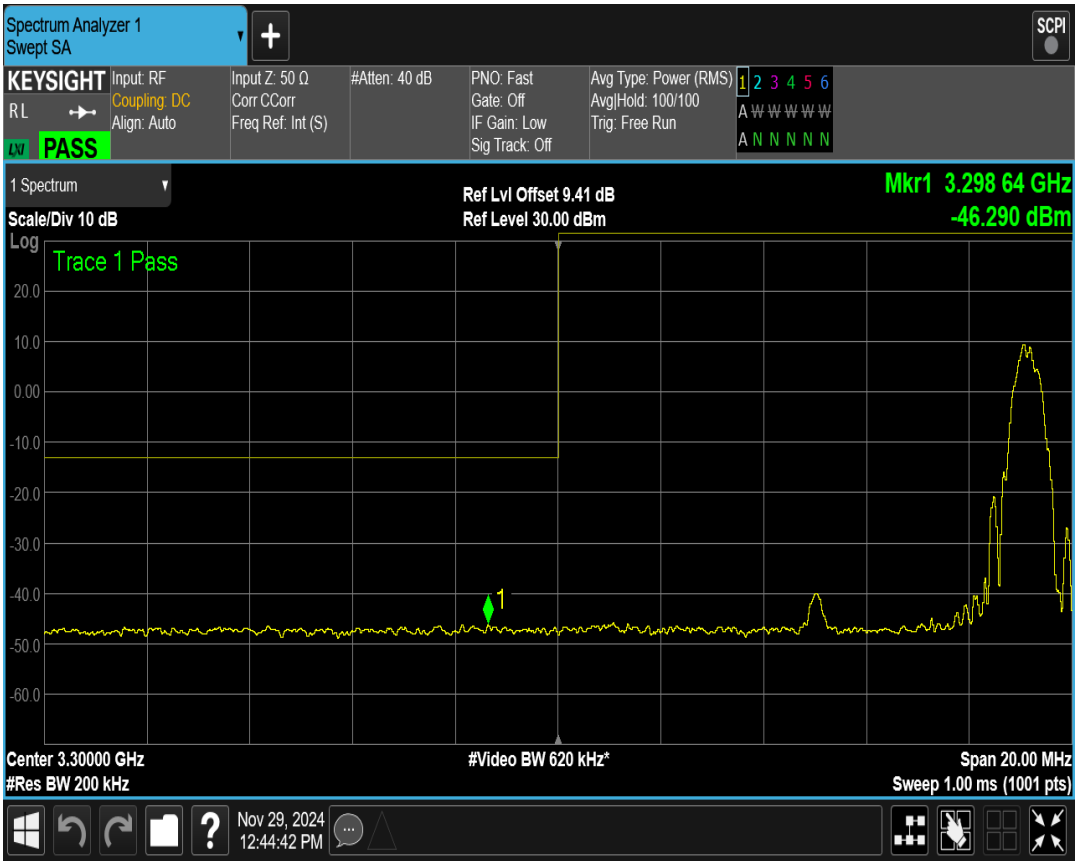


n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@0

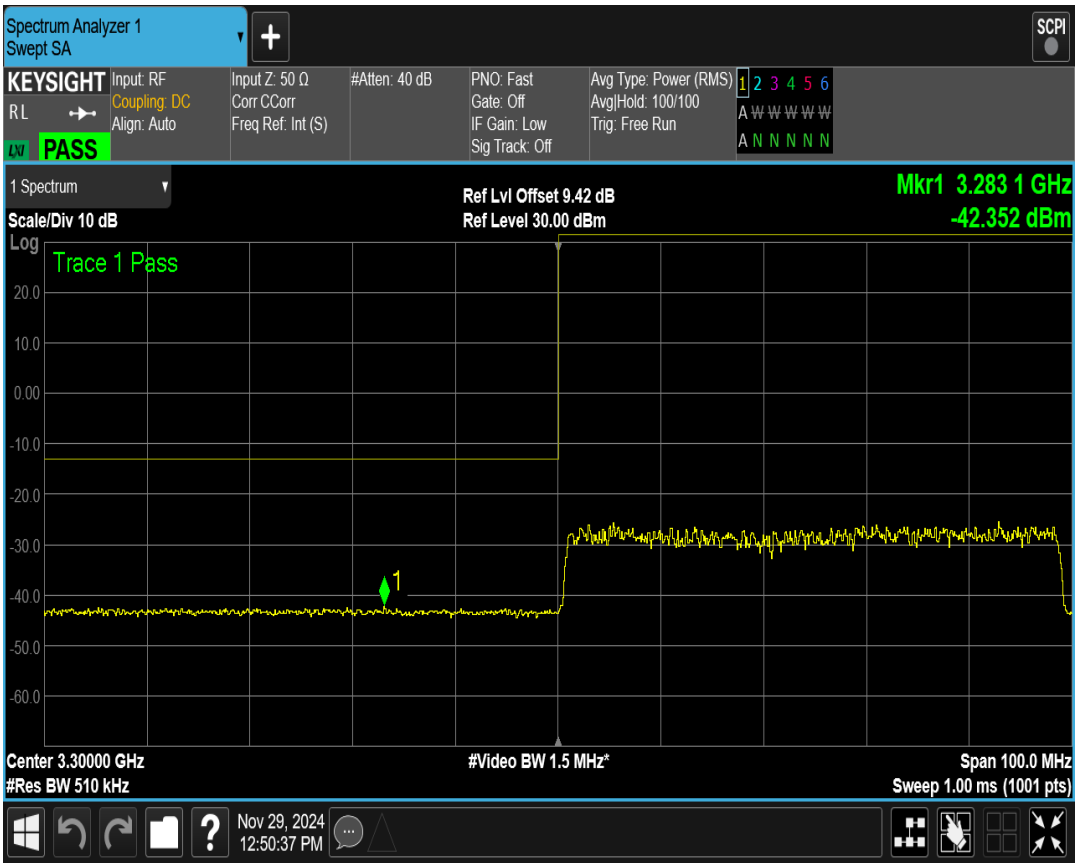
n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=24@0



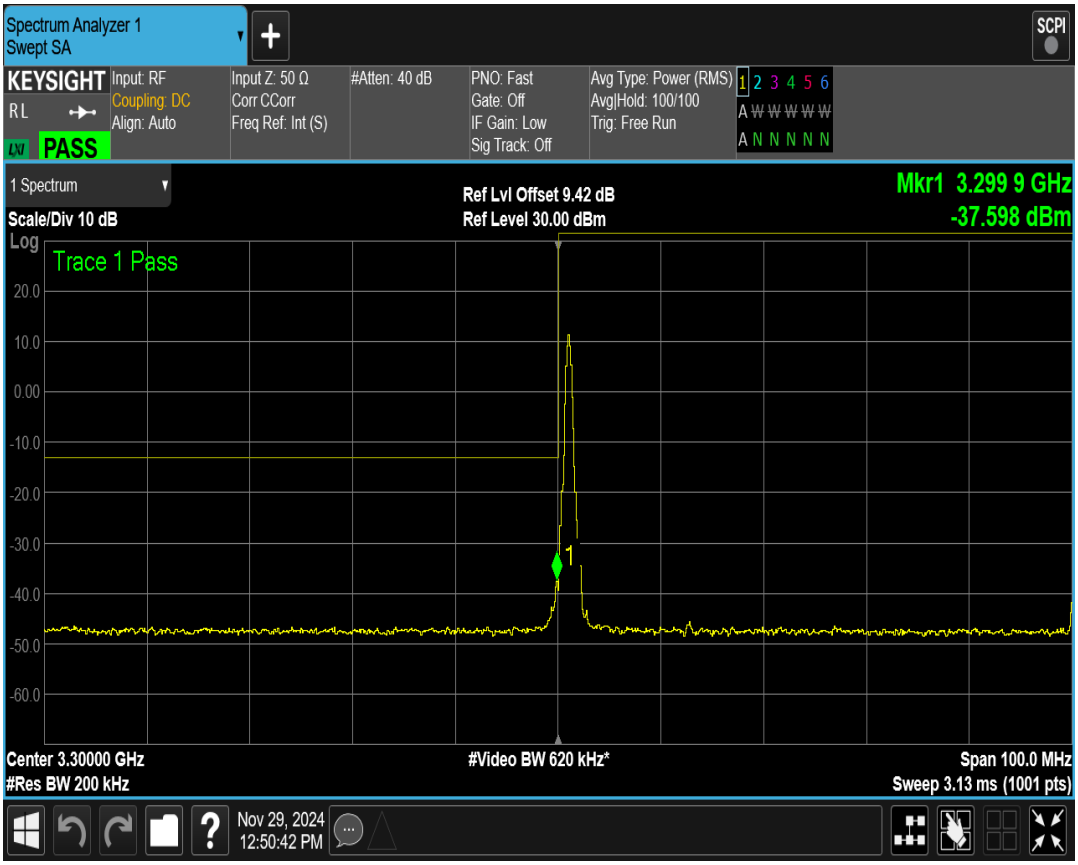
n78 SCS=30kHz CP_QPSK BW=10MHz Channel=620334 RB=1@23



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

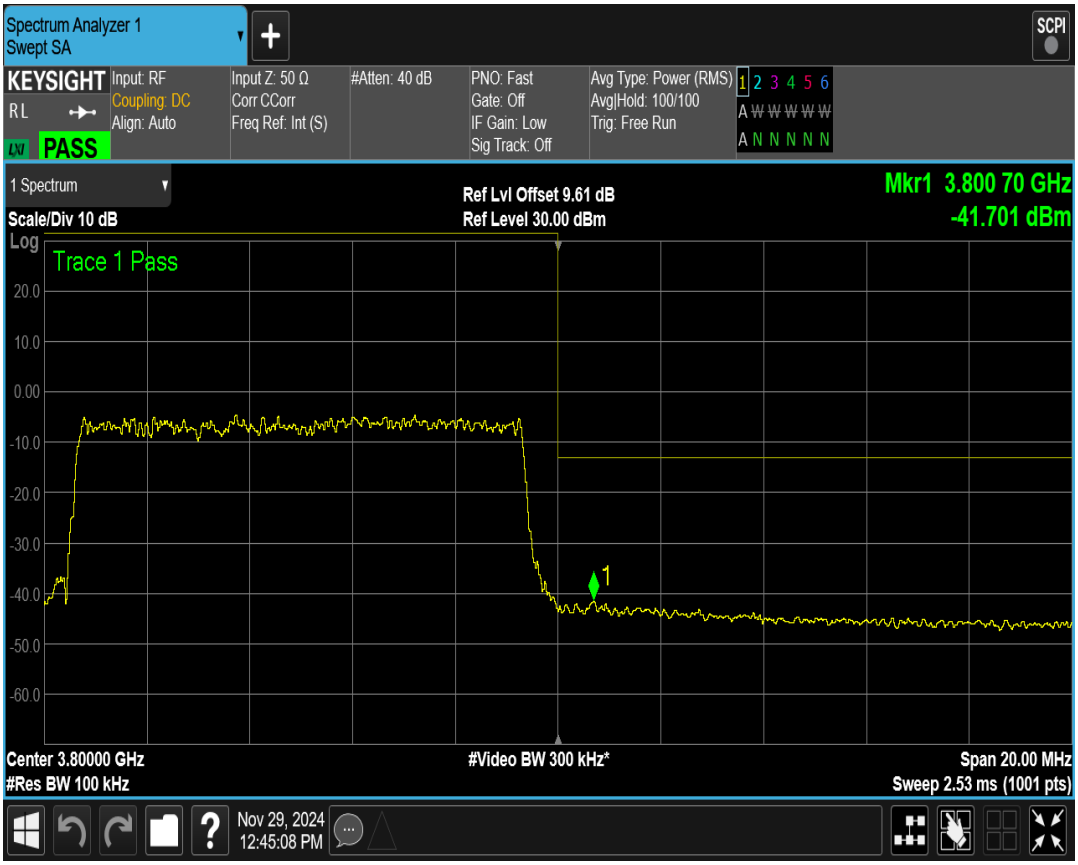


n78 SCS=30kHz CP_QPSK BW=50MHz Channel=621668 RB=1@0

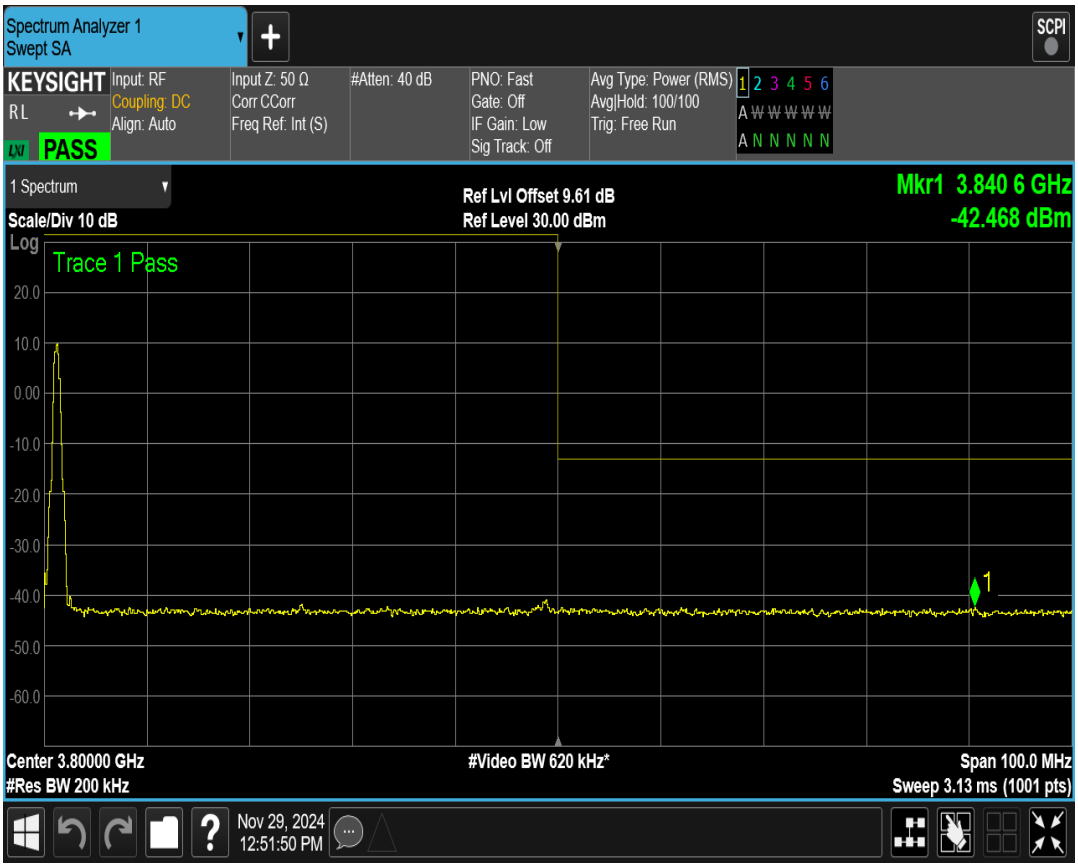


n78 SCS=30kHz CP_QPSK BW=10MHz Channel=653000 RB=1@23

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

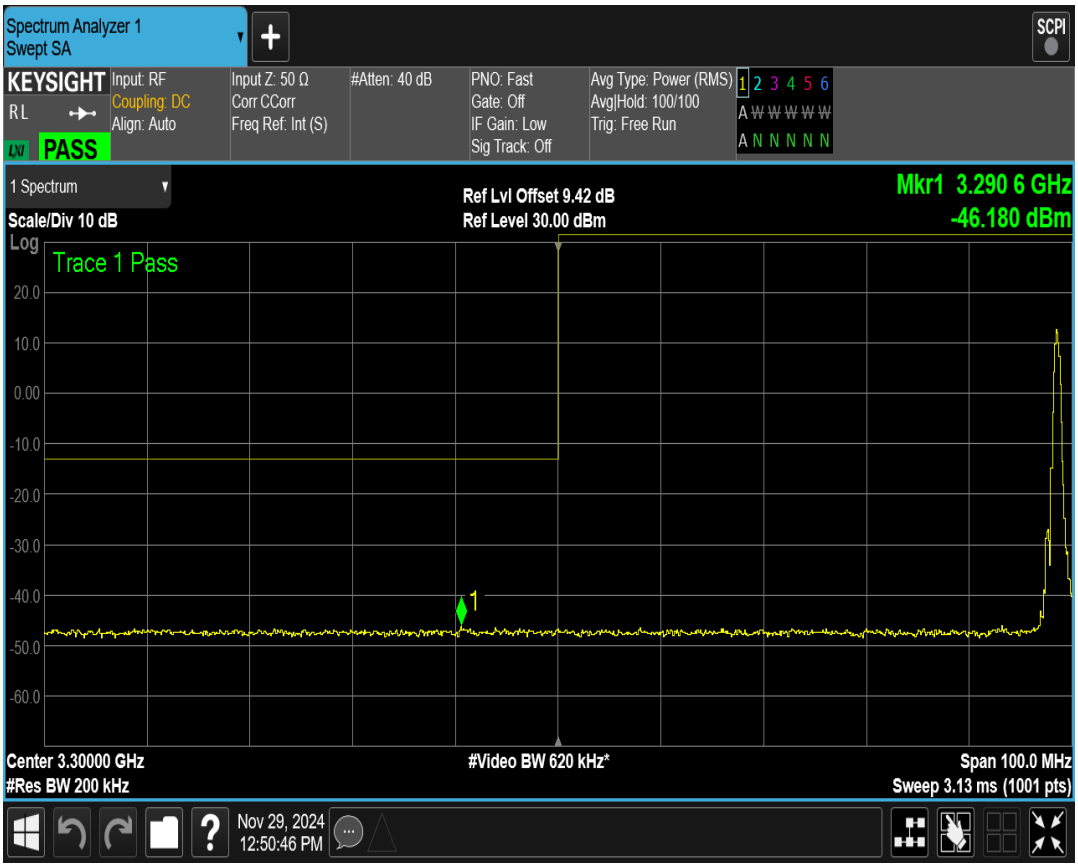


n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@0

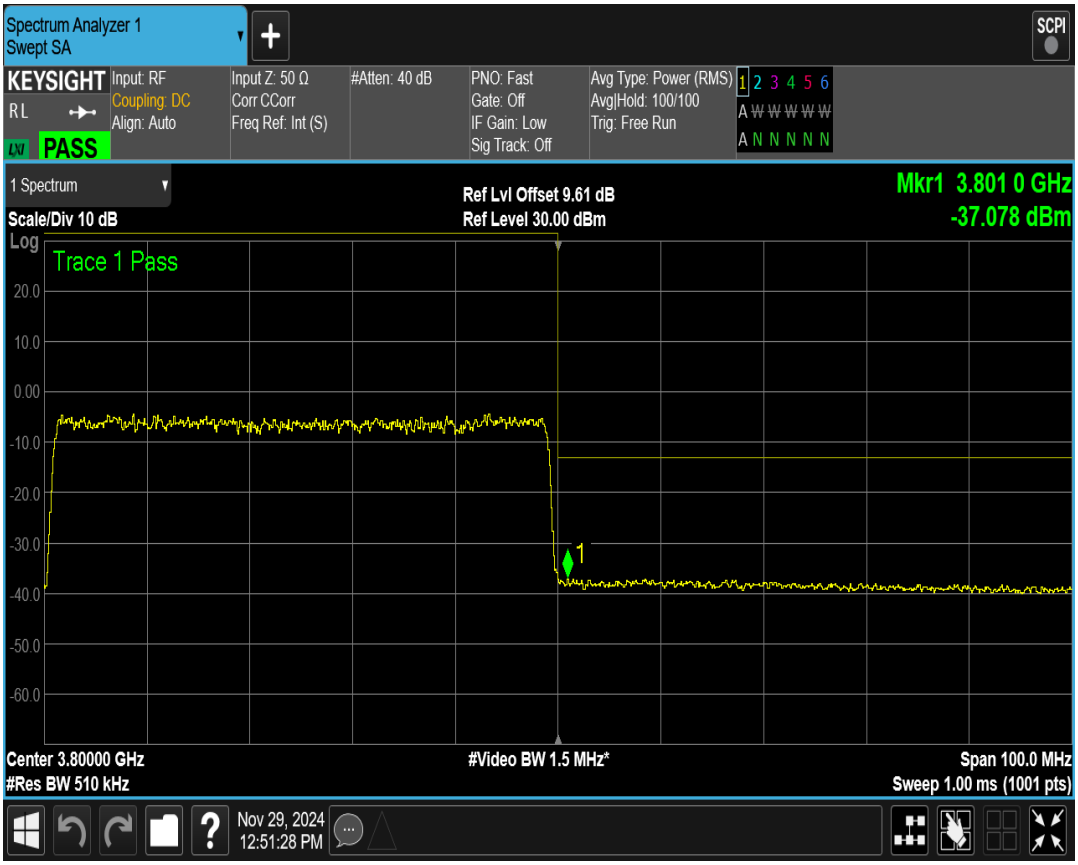


n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=1@132

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



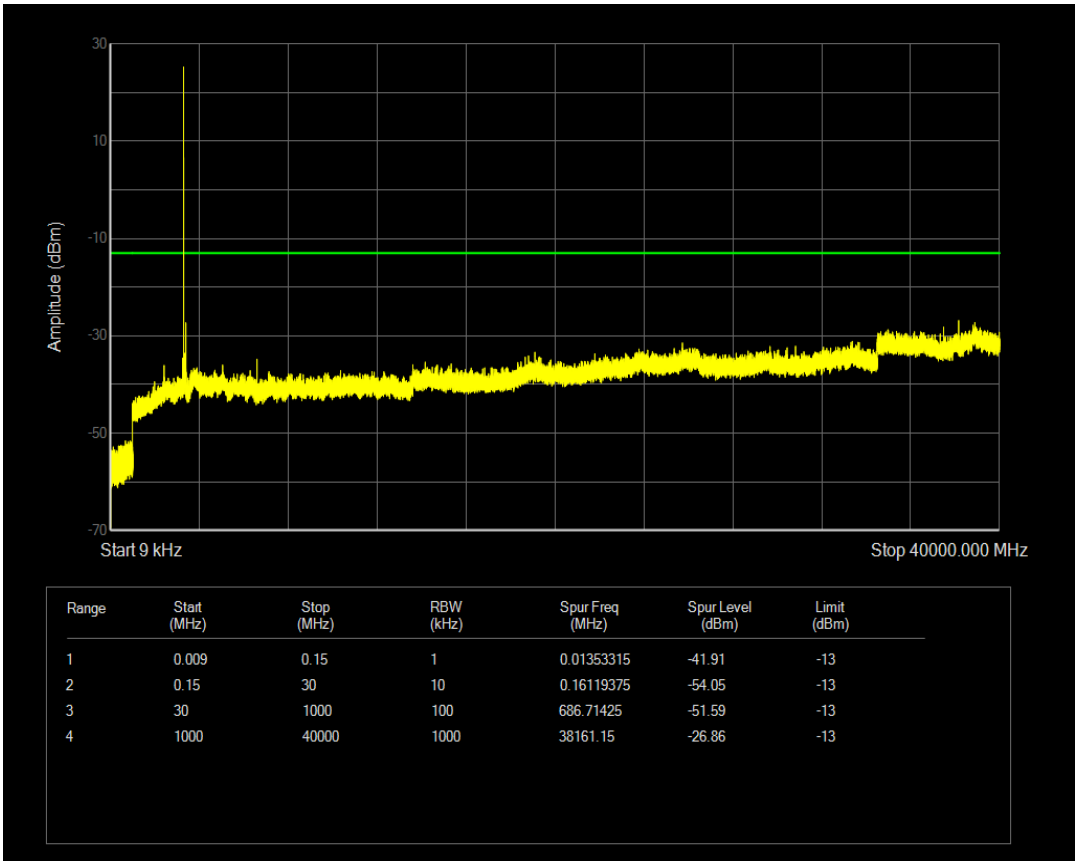
n78 SCS=30kHz CP_QPSK BW=50MHz Channel=651666 RB=133@0



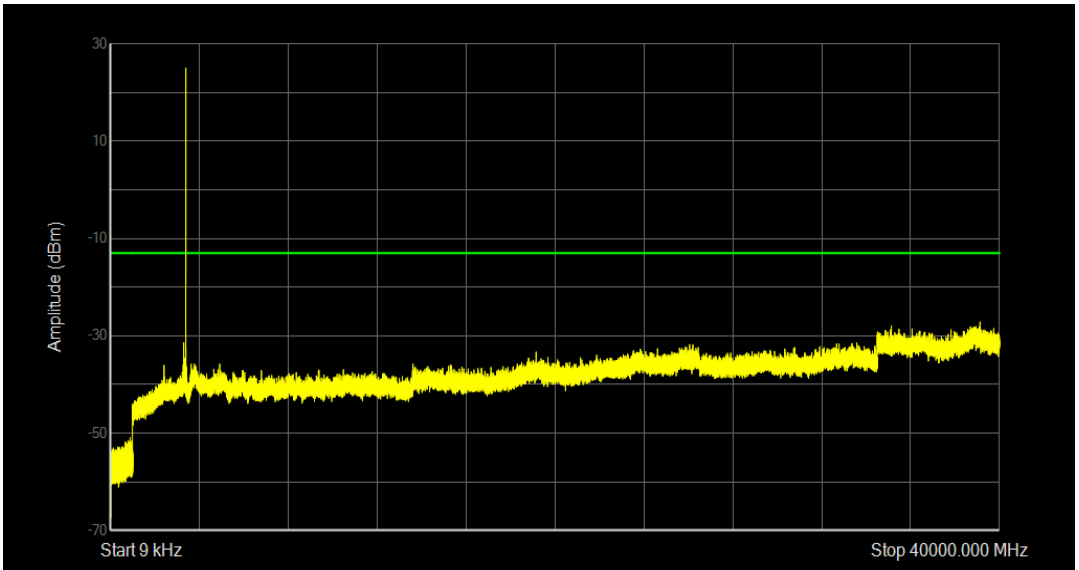
6 Out-of-band emissions for EN-DC

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	38879.73	-27.46	-13	PASS
n78	30	10	620334	1@0	CP_QPSK	38567.73	-27.68	-13	PASS
n78	30	10	620334	1@23	CP_QPSK	38866.08	-26.78	-13	PASS
n78	30	10	653000	24@0	CP_QPSK	38894.35	-27.07	-13	PASS
n78	30	10	653000	1@0	CP_QPSK	38917.75	-27.76	-13	PASS
n78	30	10	653000	1@23	CP_QPSK	38812.45	-27.58	-13	PASS
n78	30	50	621668	133@0	CP_QPSK	38848.53	-27.40	-13	PASS
n78	30	50	621668	1@0	CP_QPSK	38884.60	-27.80	-13	PASS
n78	30	50	621668	1@132	CP_QPSK	38869.98	-27.55	-13	PASS
n78	30	50	651666	133@0	CP_QPSK	38830.00	-27.40	-13	PASS
n78	30	50	651666	1@0	CP_QPSK	38889.48	-27.03	-13	PASS
n78	30	50	651666	1@132	CP_QPSK	39070.83	-26.98	-13	PASS
n78	30	100	623334	273@0	CP_QPSK	38072.43	-26.33	-13	PASS
n78	30	100	623334	1@0	CP_QPSK	38161.15	-26.86	-13	PASS
n78	30	100	623334	1@272	CP_QPSK	39121.53	-27.16	-13	PASS
n78	30	100	650000	273@0	CP_QPSK	39022.08	-27.07	-13	PASS
n78	30	100	650000	1@0	CP_QPSK	38990.88	-27.33	-13	PASS
n78	30	100	650000	1@272	CP_QPSK	38842.68	-27.31	-13	PASS

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

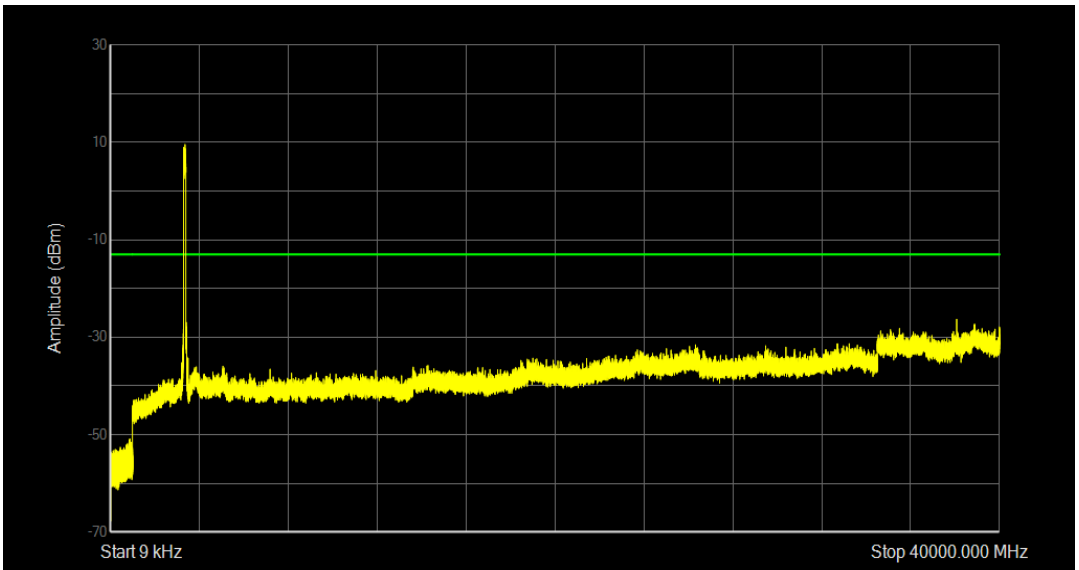


n78 SCS=30kHz CP_QPSK BW=100MHz Channel=623334 RB=1@272



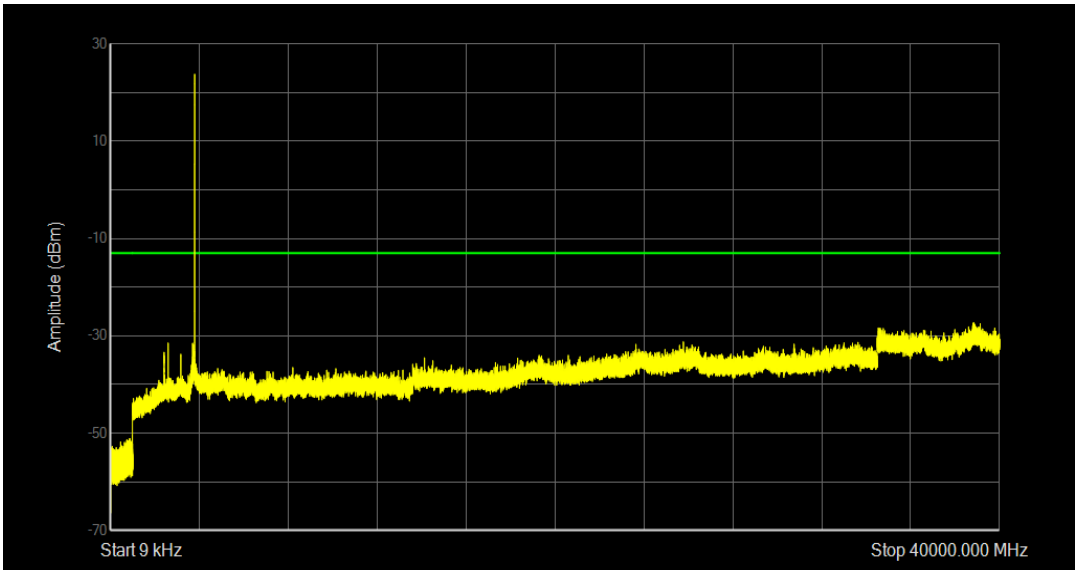
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015574125	-42.74	-13
2	0.15	30	10	0.15074625	-53.86	-13
3	30	1000	100	899.0715	-50.9	-13
4	1000	40000	1000	39121.525	-27.16	-13

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



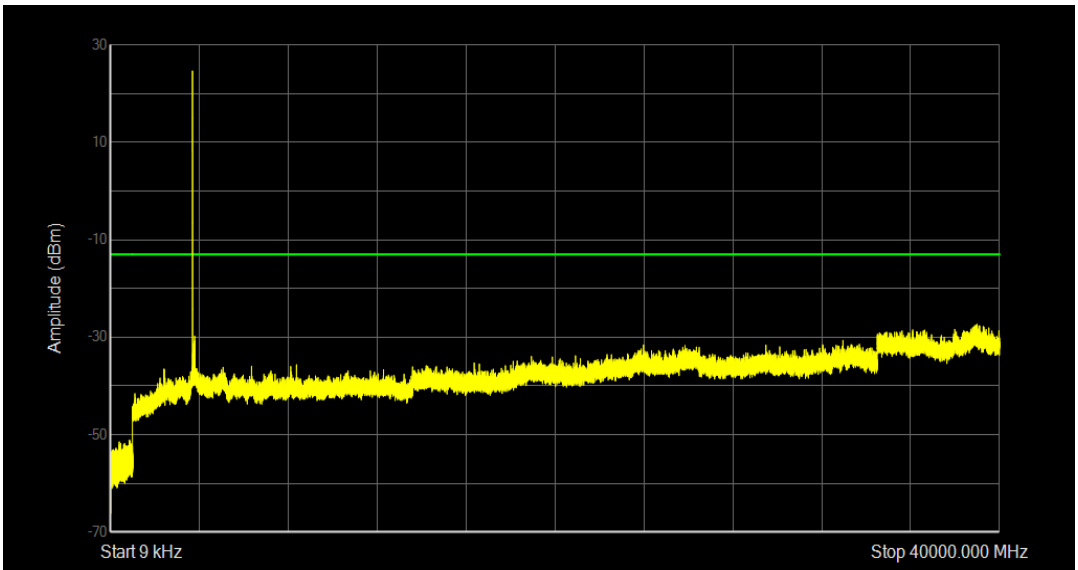
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009010575	-42.46	-13
2	0.15	30	10	0.15970125	-52.73	-13
3	30	1000	100	886.704	-50.94	-13
4	1000	40000	1000	38072.425	-26.33	-13

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



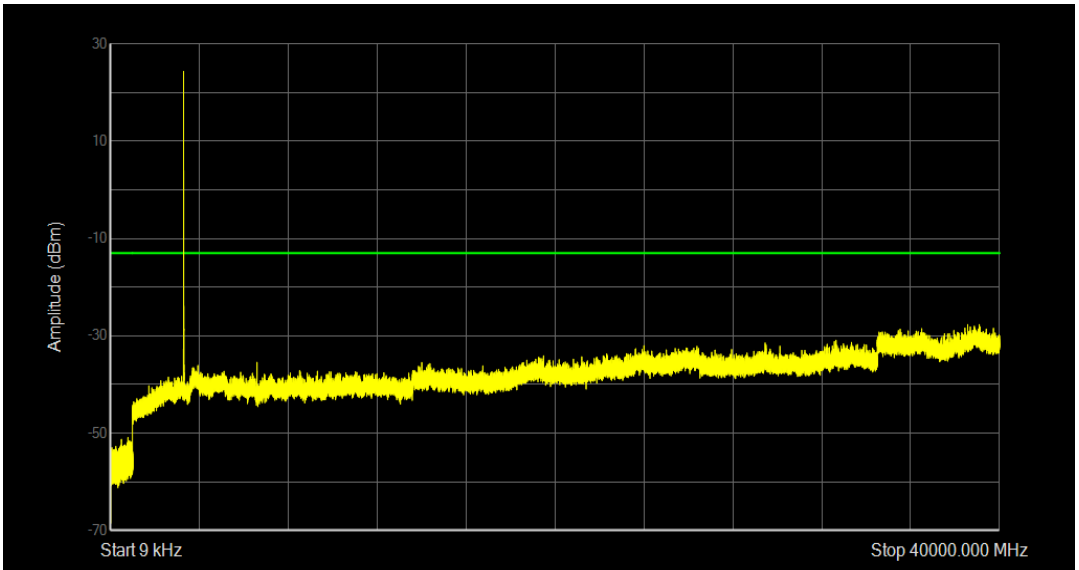
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103677	-41.91	-13
2	0.15	30	10	0.15970125	-53.42	-13
3	30	1000	100	990.56675	-50.41	-13
4	1000	40000	1000	38842.675	-27.31	-13

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



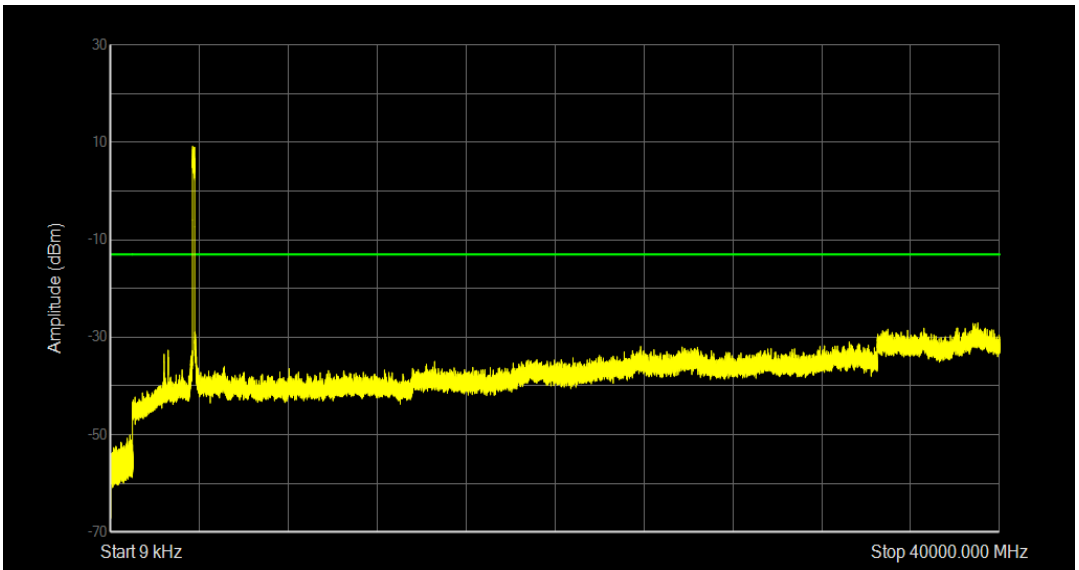
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01158735	-42.37	-13
2	0.15	30	10	0.15373125	-52.37	-13
3	30	1000	100	882.242	-51.19	-13
4	1000	40000	1000	38990.875	-27.33	-13

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



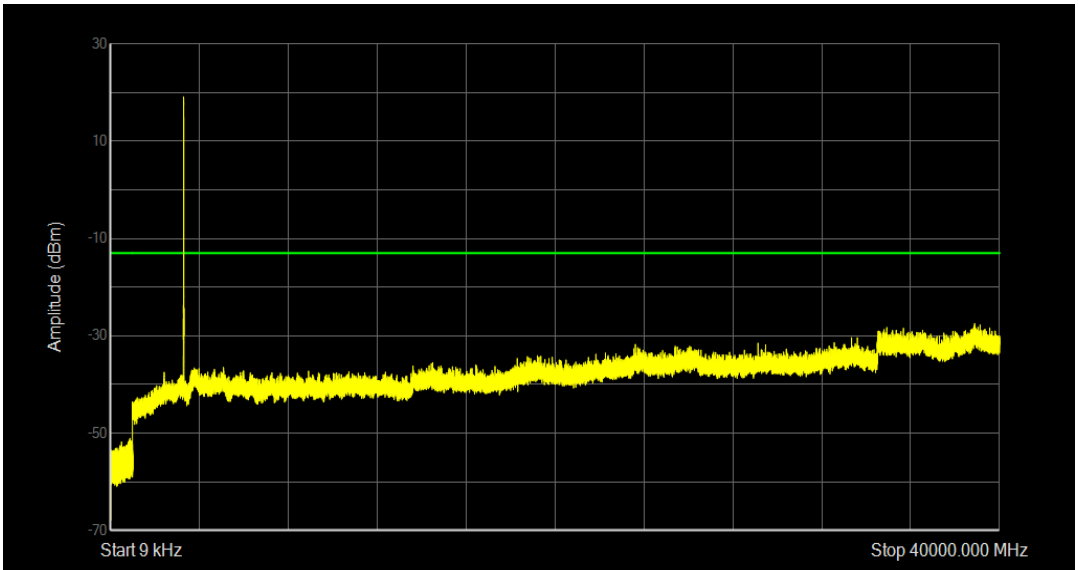
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009066975	-40.43	-13
2	0.15	30	10	0.15074625	-52.33	-13
3	30	1000	100	801.829	-50.89	-13
4	1000	40000	1000	38567.725	-27.68	-13

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



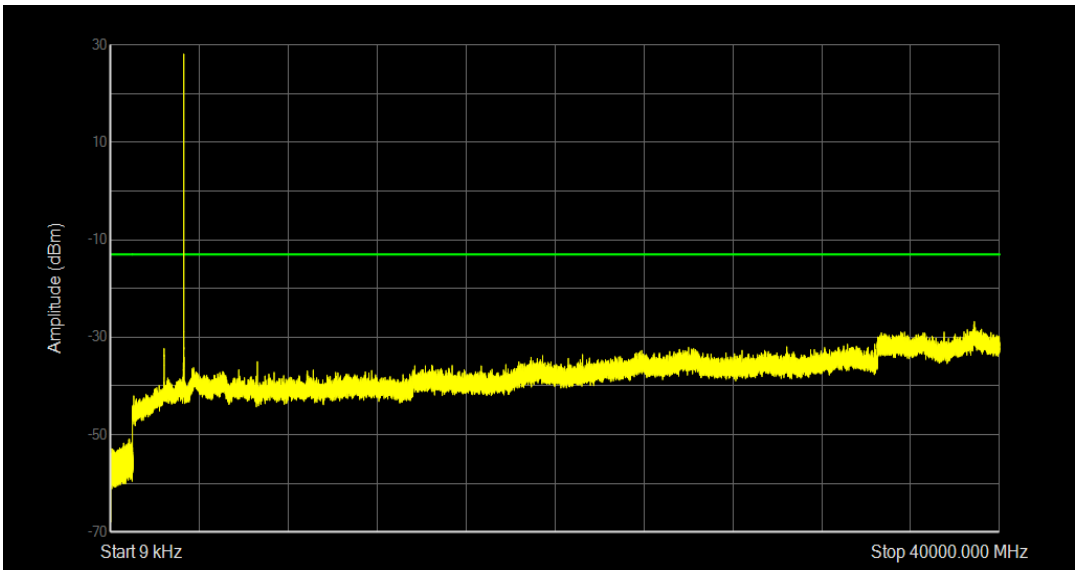
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-41.33	-13
2	0.15	30	10	0.15223875	-52.85	-13
3	30	1000	100	887.45575	-50.1	-13
4	1000	40000	1000	39022.075	-27.07	-13

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



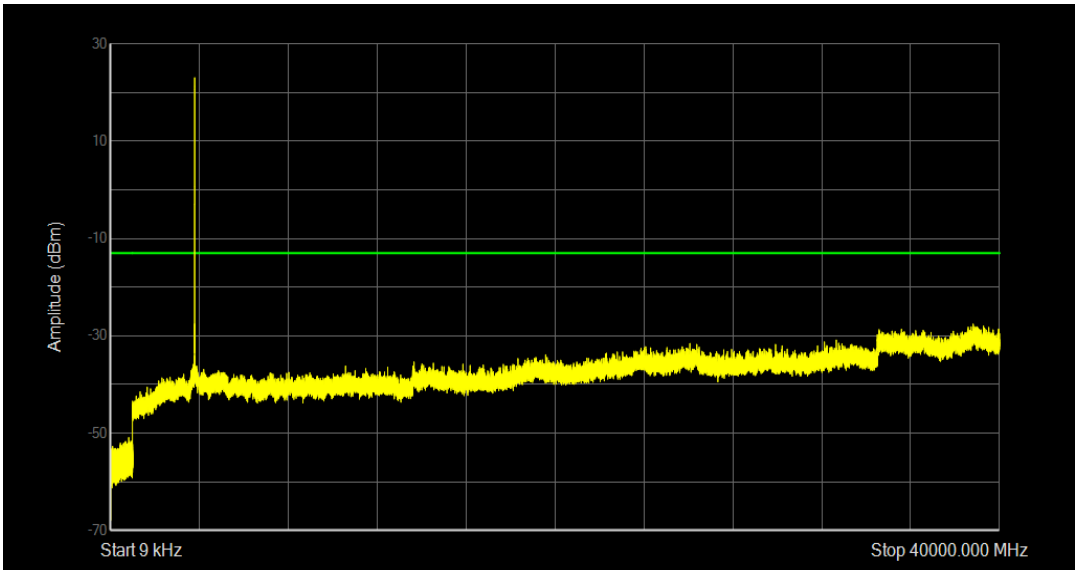
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122289	-42.24	-13
2	0.15	30	10	0.15	-53.98	-13
3	30	1000	100	891.2145	-51.04	-13
4	1000	40000	1000	38879.725	-27.46	-13

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



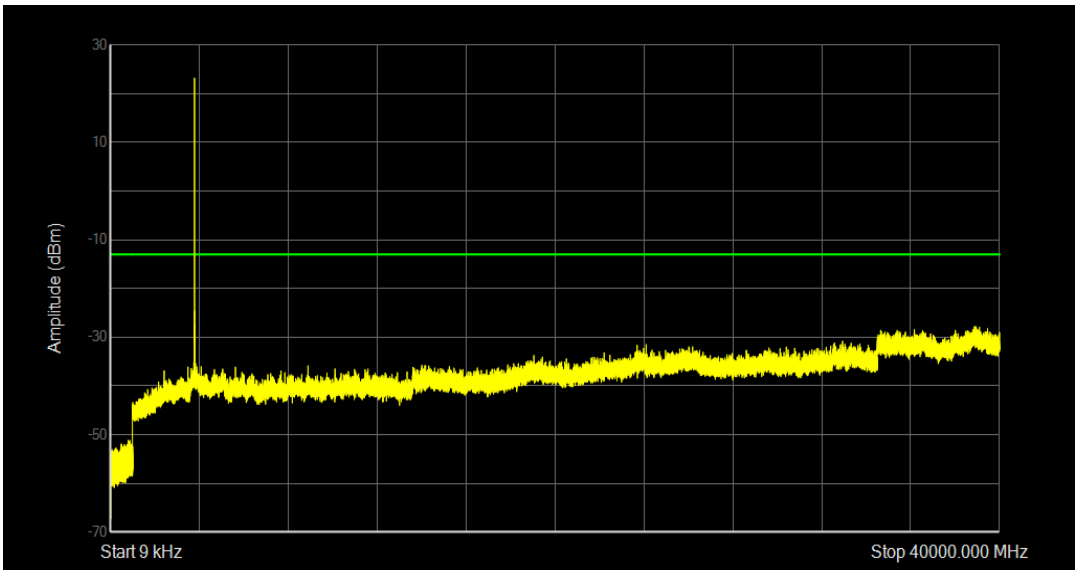
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011538	-42.32	-13
2	0.15	30	10	0.1664175	-53.65	-13
3	30	1000	100	861.70225	-50.94	-13
4	1000	40000	1000	38866.075	-26.78	-13

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



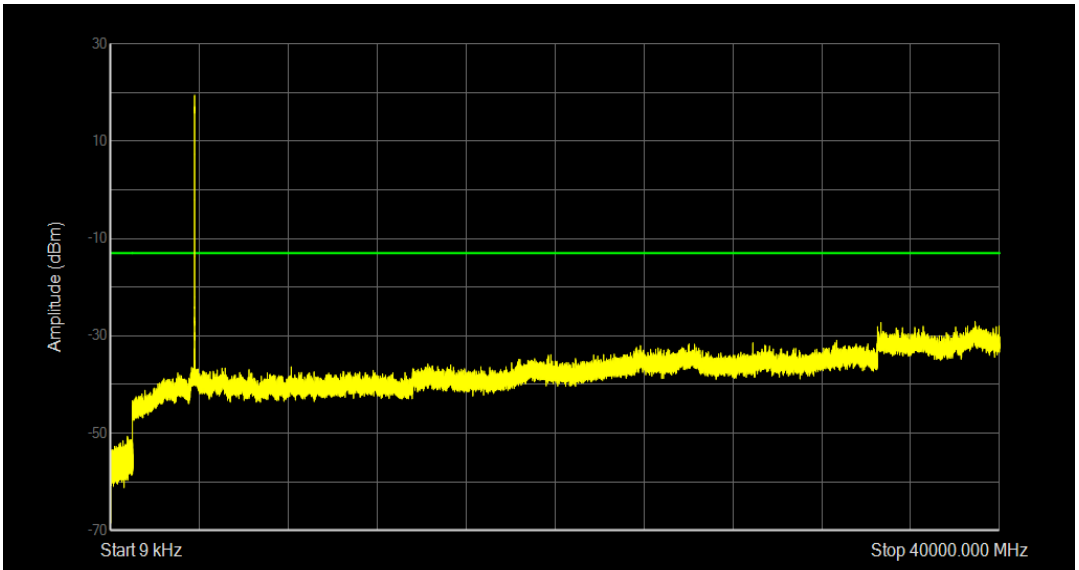
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00941595	-42.21	-13
2	0.15	30	10	0.17611875	-53.01	-13
3	30	1000	100	832.2385	-50.92	-13
4	1000	40000	1000	38812.45	-27.58	-13

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



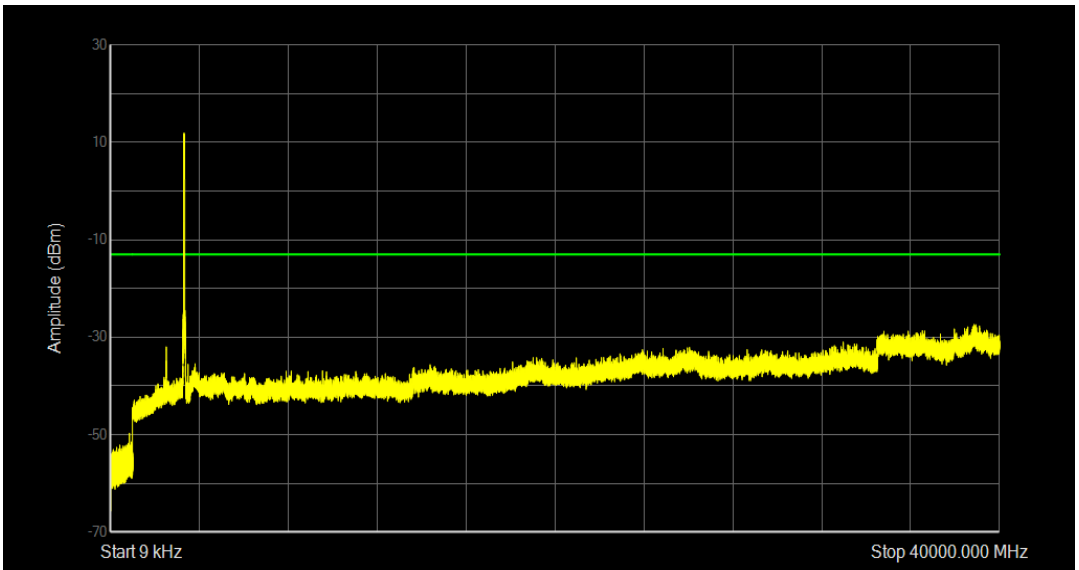
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011661375	-41.32	-13
2	0.15	30	10	0.194775	-53.27	-13
3	30	1000	100	808.4735	-51.16	-13
4	1000	40000	1000	38917.75	-27.76	-13

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



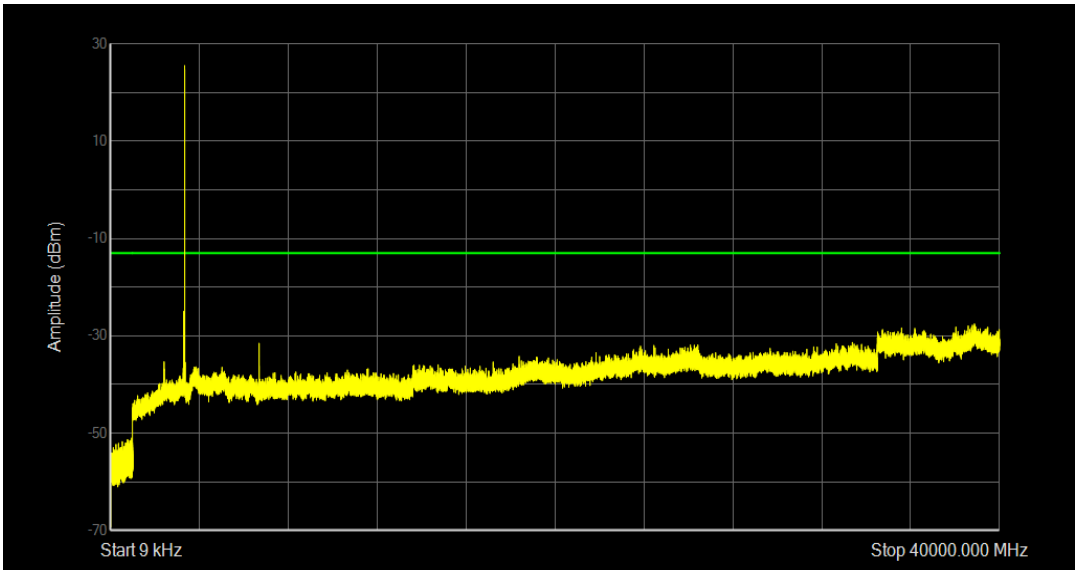
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009630975	-42.86	-13
2	0.15	30	10	0.17313375	-54.05	-13
3	30	1000	100	773.52925	-50.67	-13
4	1000	40000	1000	38894.35	-27.07	-13

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



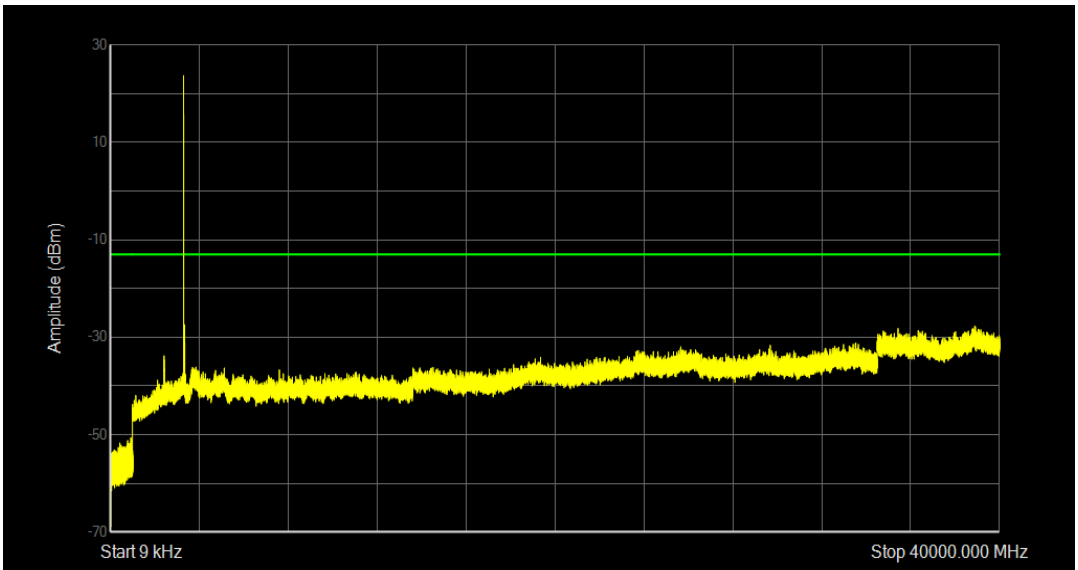
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01473165	-42.14	-13
2	0.15	30	10	0.15522375	-53.65	-13
3	30	1000	100	863.93325	-49.72	-13
4	1000	40000	1000	38848.525	-27.4	-13

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



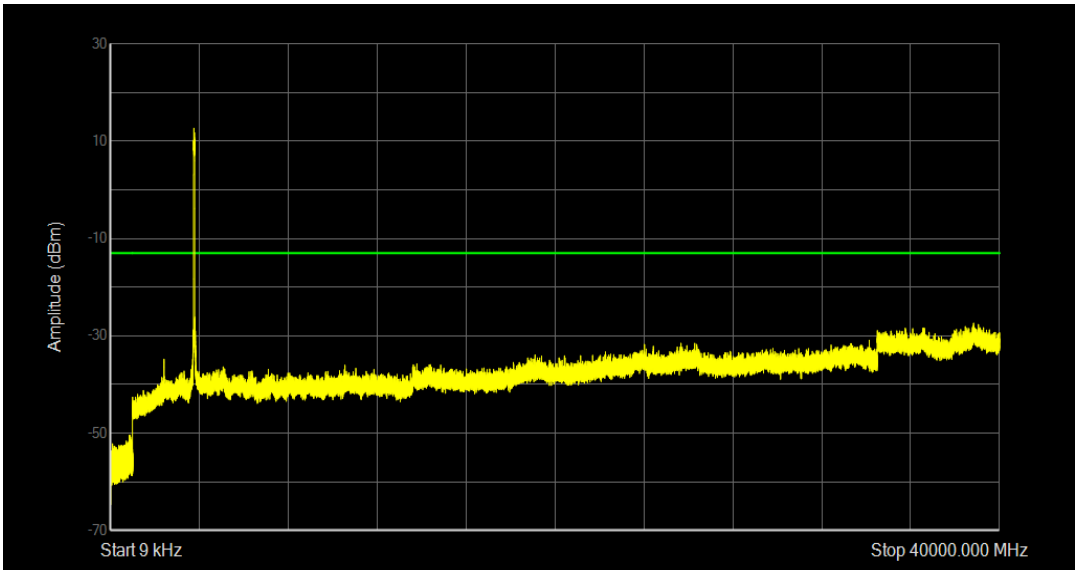
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01089645	-43.13	-13
2	0.15	30	10	0.1813425	-53.54	-13
3	30	1000	100	964.95875	-51	-13
4	1000	40000	1000	38869.975	-27.55	-13

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



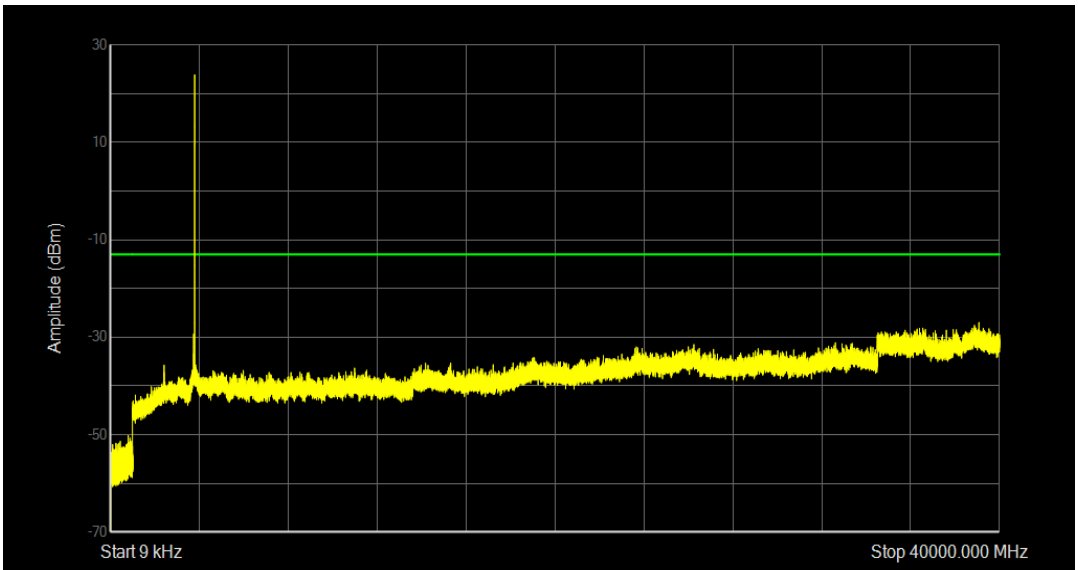
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01226415	-42	-13
2	0.15	30	10	0.1574625	-54.21	-13
3	30	1000	100	926.44975	-50.63	-13
4	1000	40000	1000	38884.6	-27.8	-13

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



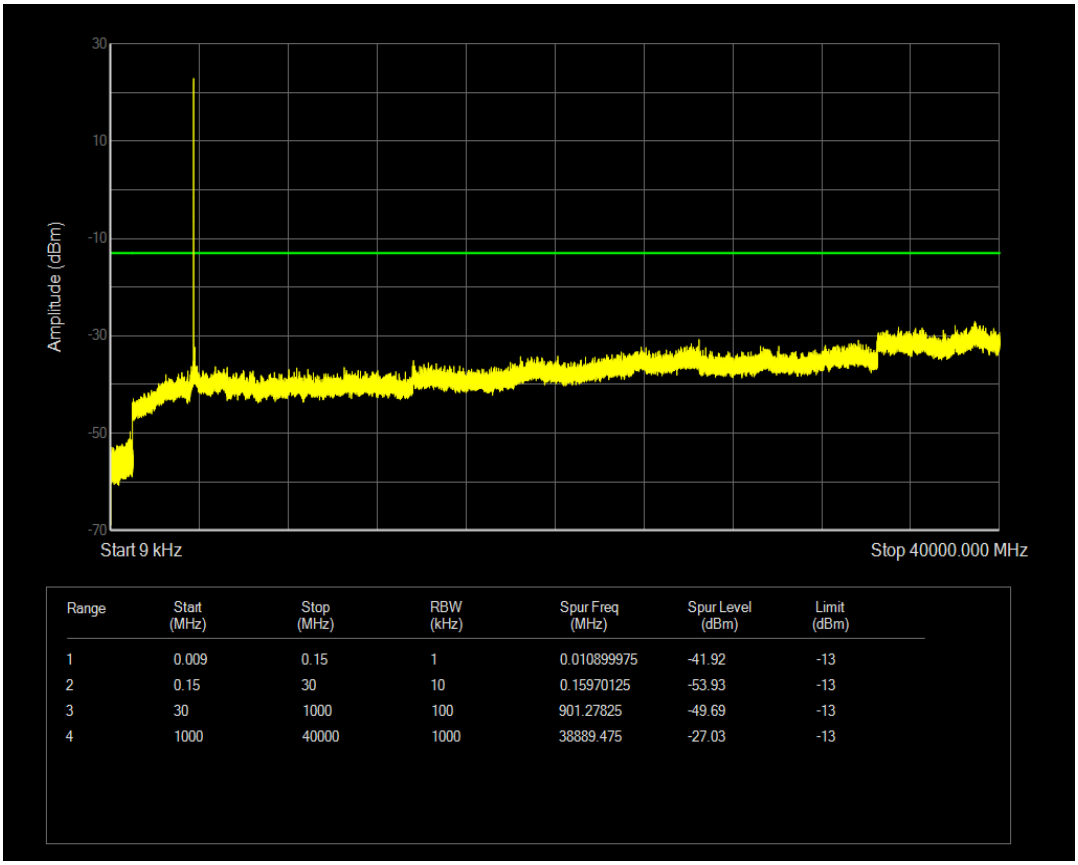
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010582725	-40.19	-13
2	0.15	30	10	0.15	-52.91	-13
3	30	1000	100	889.54125	-50.43	-13
4	1000	40000	1000	38830	-27.4	-13

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	0.010124475	-42.57	-13
2	0.15	30	10	0.16865625	-53.46	-13
3	30	1000	100	811.238	-50.19	-13
4	1000	40000	1000	39070.825	-26.98	-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	0.010899975	-41.92	-13
2	0.15	30	10	0.15970125	-53.93	-13
3	30	1000	100	901.27825	-49.69	-13
4	1000	40000	1000	38889.475	-27.03	-13