

**n77(3700-3980) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=656000 RB=128@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=656000 RB=162@0**



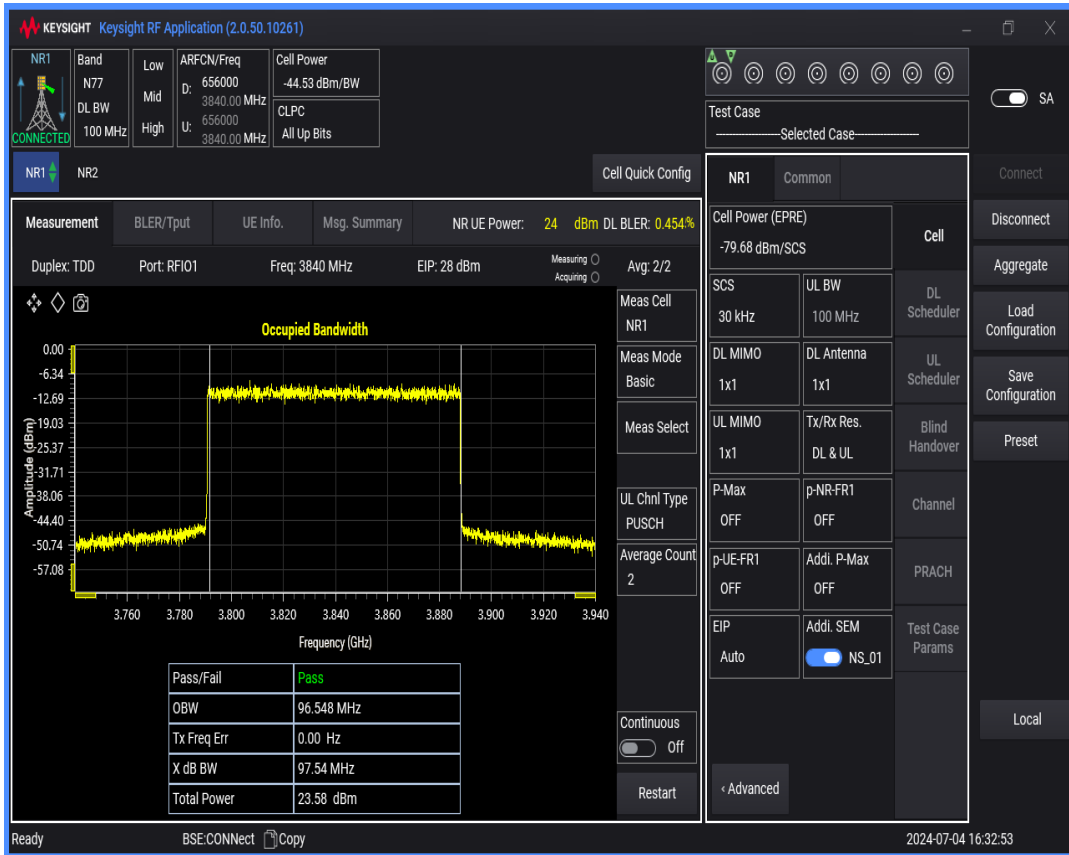
**n77(3700-3980) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=656000 RB=216@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=656000 RB=240@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=100MHz Channel=656000 RB=270@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=656000 RB=24@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=656000 RB=36@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=20MHz Channel=656000 RB=50@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=30MHz Channel=656000 RB=75@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=656000 RB=100@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=656000 RB=128@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=656000 RB=162@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=656000 RB=216@0**



**n77(3700-3980) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=656000 RB=240@0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=100MHz Channel=656000 RB=270 @0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=10MHz Channel=656000 RB=24 @0**





**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=15MHz Channel=656000 RB=36 @0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=20MHz Channel=656000 RB=50 @0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=30MHz Channel=656000 RB=75 @0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=40MHz Channel=656000 RB=100 @0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=50MHz Channel=656000 RB=128@0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=60MHz Channel=656000 RB=162@0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=80MHz Channel=656000 RB=216@0**



**n77(3700-3980) SCS=30kHz DFT\_QPSK BW=90MHz Channel=656000 RB=240@0**

KEYSIGHT Keysight RF Application (2.0.50.10261)

NR1	Band N77	Low	ARFCN/Freq D: 656000	Cell Power -44.48 dBm/BW
	DL BW 90 MHz	Mid	U: 656000	CLPC All Up Bits
		High	U: 3840.00 MHz	

NR1  NR2

Cell Quick Config

Measurement BLER/Tput UE Info. Msg. Summary NR UE Power: **25 dBm** DL BLER: **0.454%**

Duplex: TDD Port: RFIO1 Freq: 3840 MHz EIP: 29 dBm Measuring  Acquiring  Avg: 2/2

**Occupied Bandwidth**

Pass/Fail	Pass
OBW	86.528 MHz
Tx Freq Err	0.00 Hz
X dB BW	86.79 MHz
Total Power	25.10 dBm

Meas Cell NR1  
Meas Mode Basic  
Meas Select  
UL Chnl Type PUSCH  
Average Count 2  
Continuous  Off  
Restart

Test Case Selected Case

NR1 Common

Cell Power (EPRE) -79.16 dBm/SCS	Cell
SCS 30 kHz	DL Scheduler
UL BW 90 MHz	UL Scheduler
DL MIMO 1x1	DL Antenna 1x1
UL MIMO 1x1	Tx/Rx Res. DL & UL
P-Max OFF	p-NR-FR1 OFF
p-UE-FR1 OFF	Addl. P-Max OFF
EIP Auto	Addl. SEM <input checked="" type="checkbox"/> NS_01
	Test Case Params

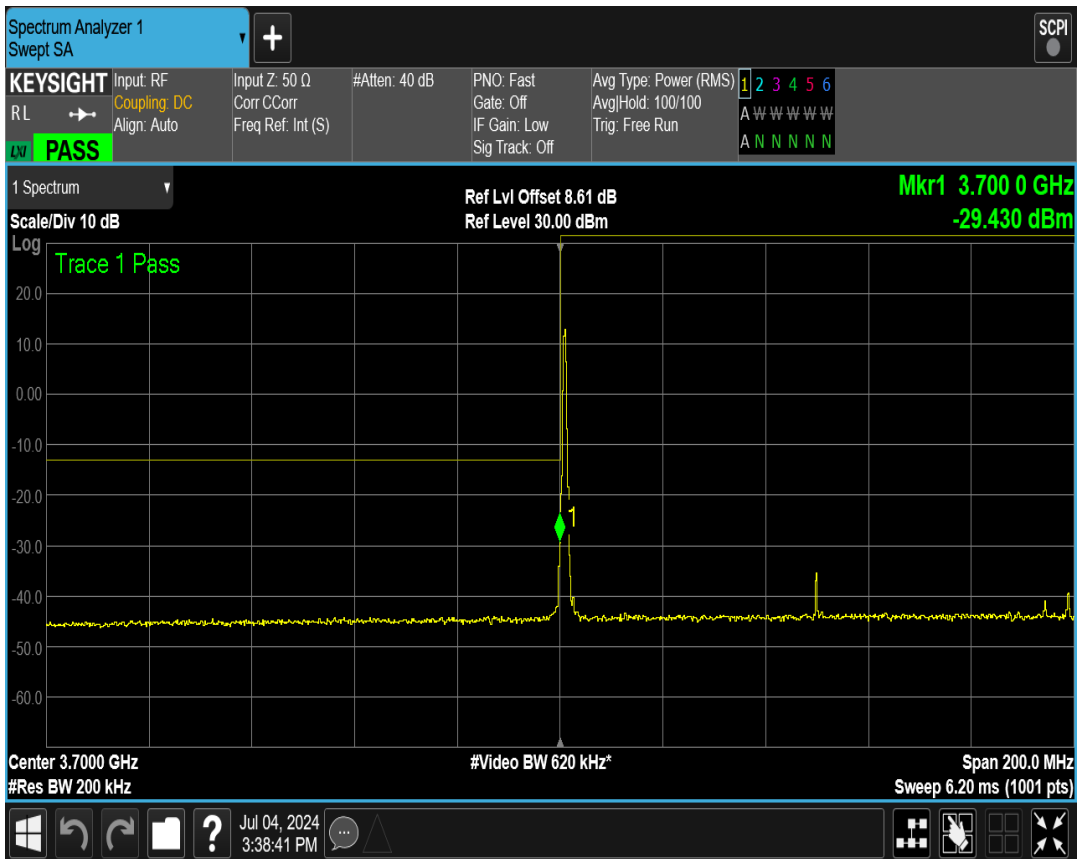
Connect  
Disconnect  
Aggregate  
Load Configuration  
Save Configuration  
Preset  
Local

Ready BSE.CONNECT Copy 2024-07-04 16:32:21

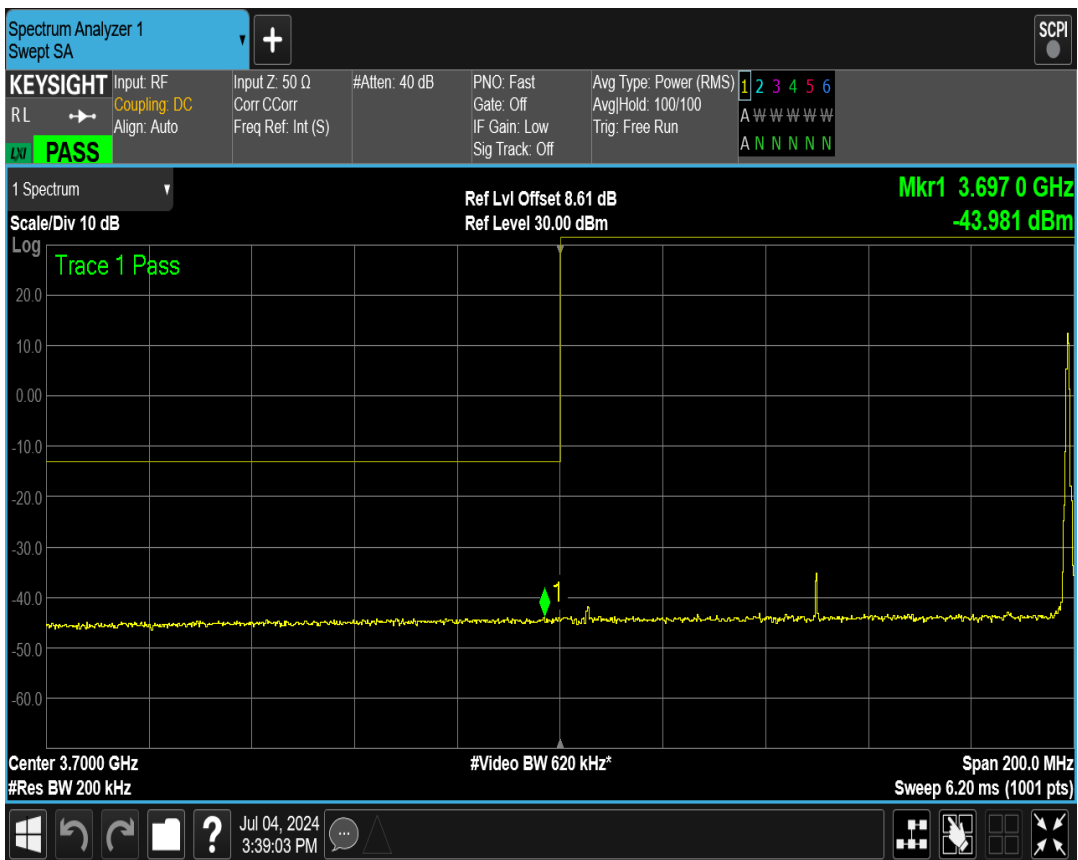
## 5 Band edge for NR FR1

<i>Band</i>	<i>SCS (kHz)</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Allocation</i>	<i>Modulation</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	3699.98	-34.32	-13	PASS
n77(3700-3980)	30	10	647000	1@0	CP_QPSK	3700.00	-29.18	-13	PASS
n77(3700-3980)	30	10	647000	1@23	CP_QPSK	3692.70	-42.89	-13	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	3980.22	-34.97	-13	PASS
n77(3700-3980)	30	10	665000	1@0	CP_QPSK	3984.88	-44.15	-13	PASS
n77(3700-3980)	30	10	665000	1@23	CP_QPSK	3980.06	-33.43	-13	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	3698.40	-33.59	-13	PASS
n77(3700-3980)	30	50	648334	1@0	CP_QPSK	3700.00	-35.69	-13	PASS
n77(3700-3980)	30	50	648334	1@132	CP_QPSK	3689.20	-43.89	-13	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	3985.30	-33.97	-13	PASS
n77(3700-3980)	30	50	663666	1@0	CP_QPSK	3982.70	-44.63	-13	PASS
n77(3700-3980)	30	50	663666	1@132	CP_QPSK	3980.00	-31.76	-13	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	3700.00	-21.07	-13	PASS
n77(3700-3980)	30	100	650000	1@0	CP_QPSK	3700.00	-29.43	-13	PASS
n77(3700-3980)	30	100	650000	1@272	CP_QPSK	3697.00	-43.98	-13	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	3980.00	-19.39	-13	PASS
n77(3700-3980)	30	100	662000	1@0	CP_QPSK	3986.00	-44.60	-13	PASS
n77(3700-3980)	30	100	662000	1@272	CP_QPSK	3980.00	-39.50	-13	PASS

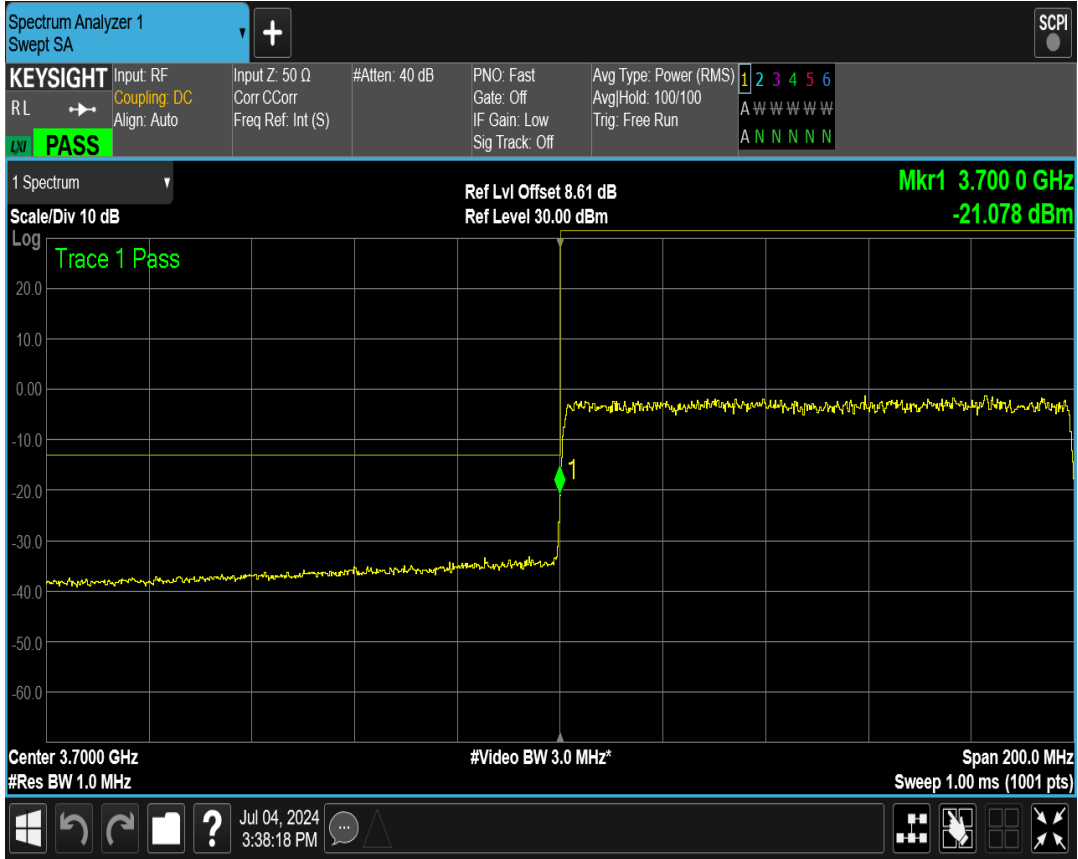
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@0**



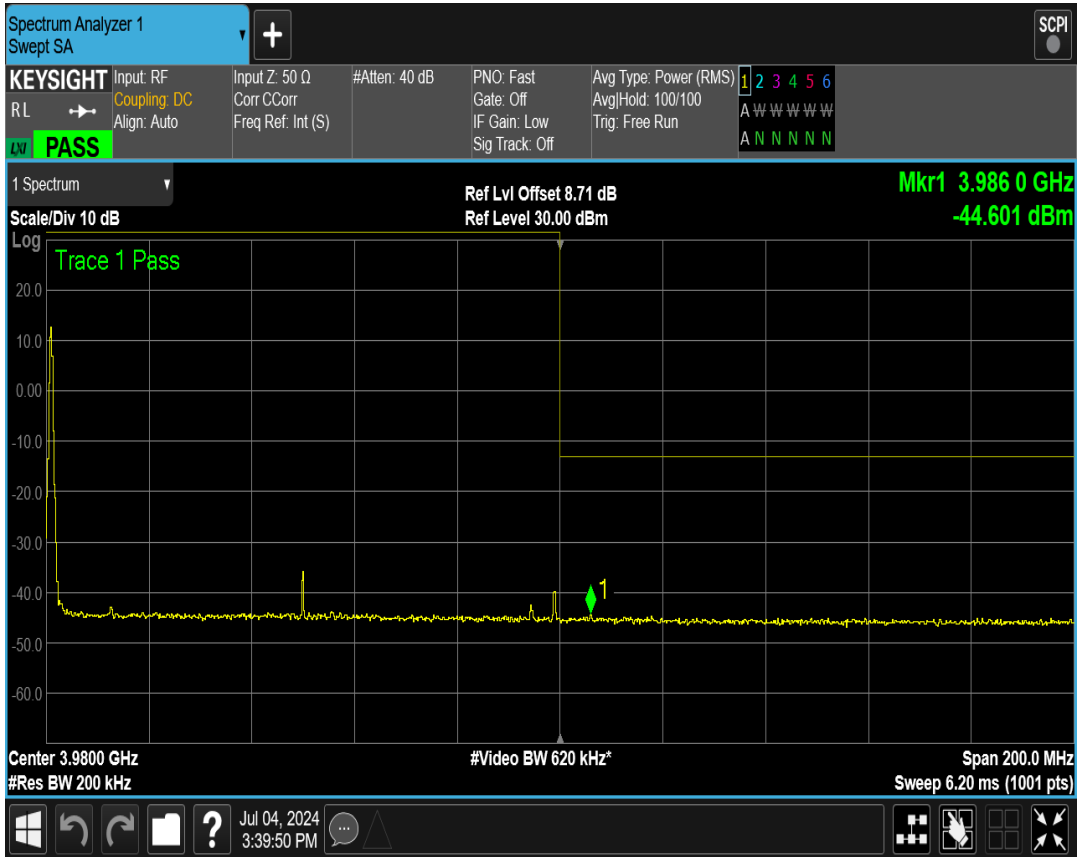
n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@272



n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=273@0

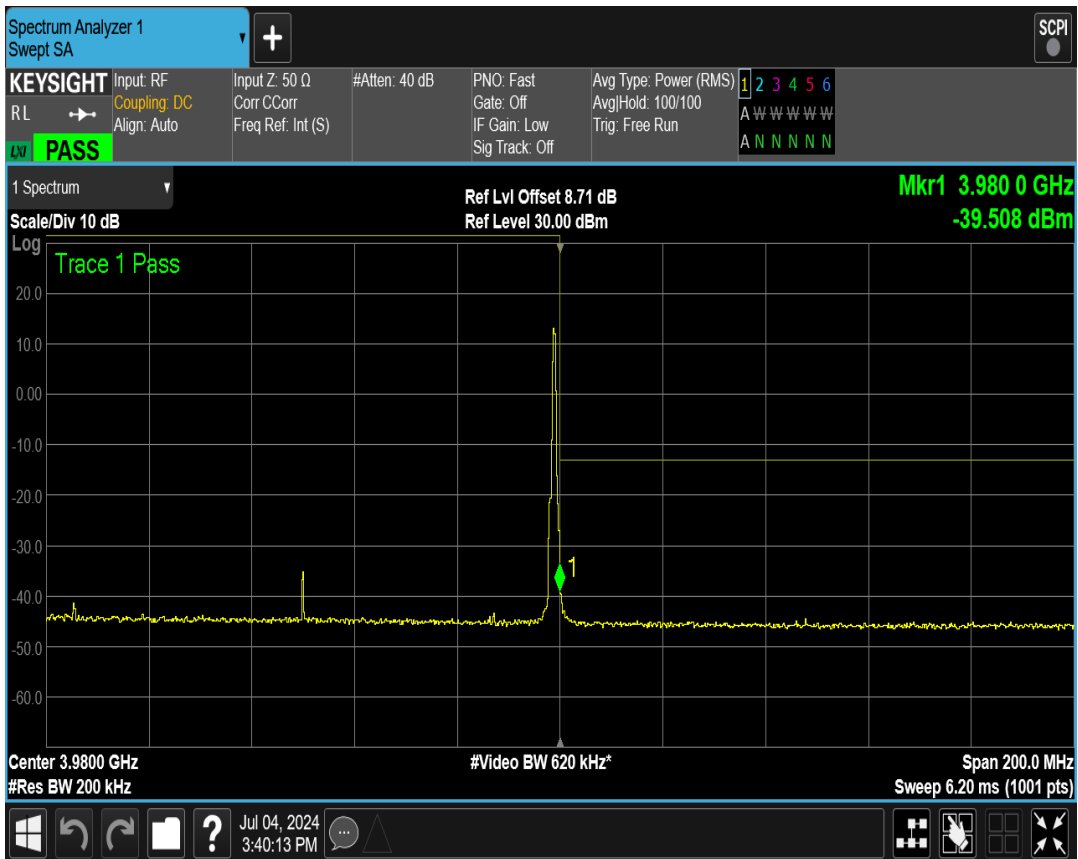


n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=1 @0

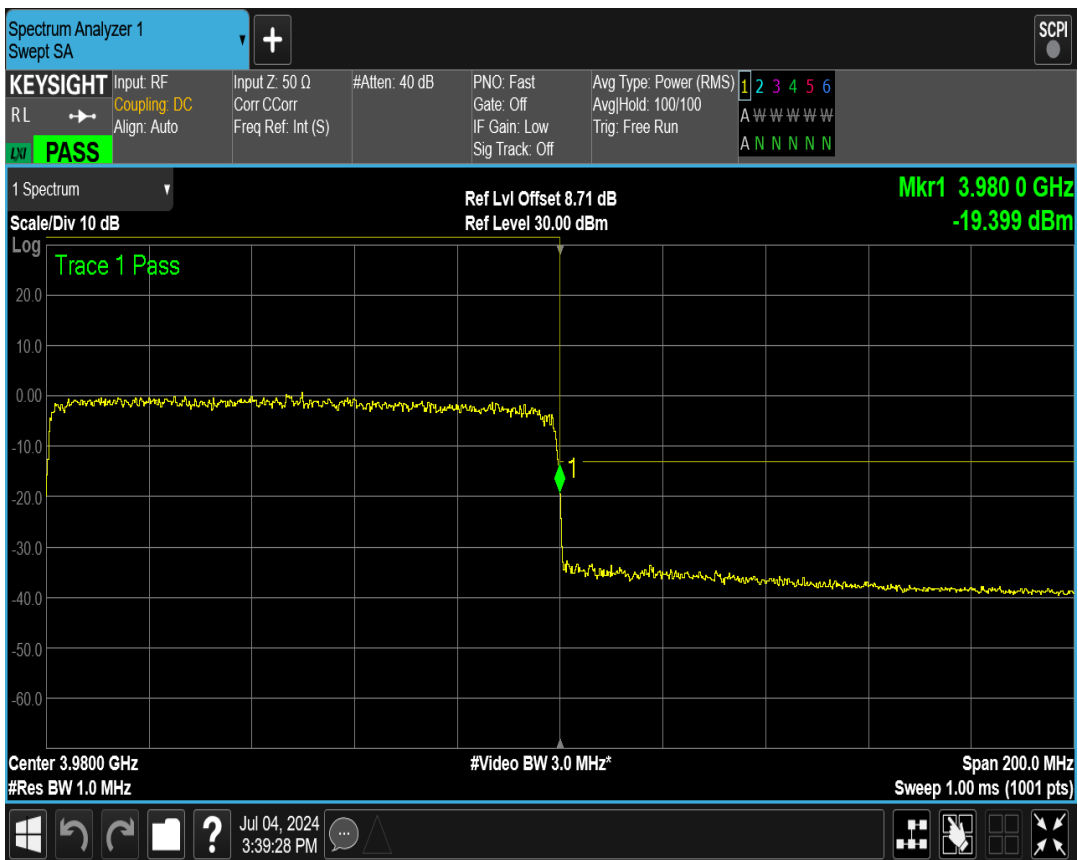


n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=1 @272

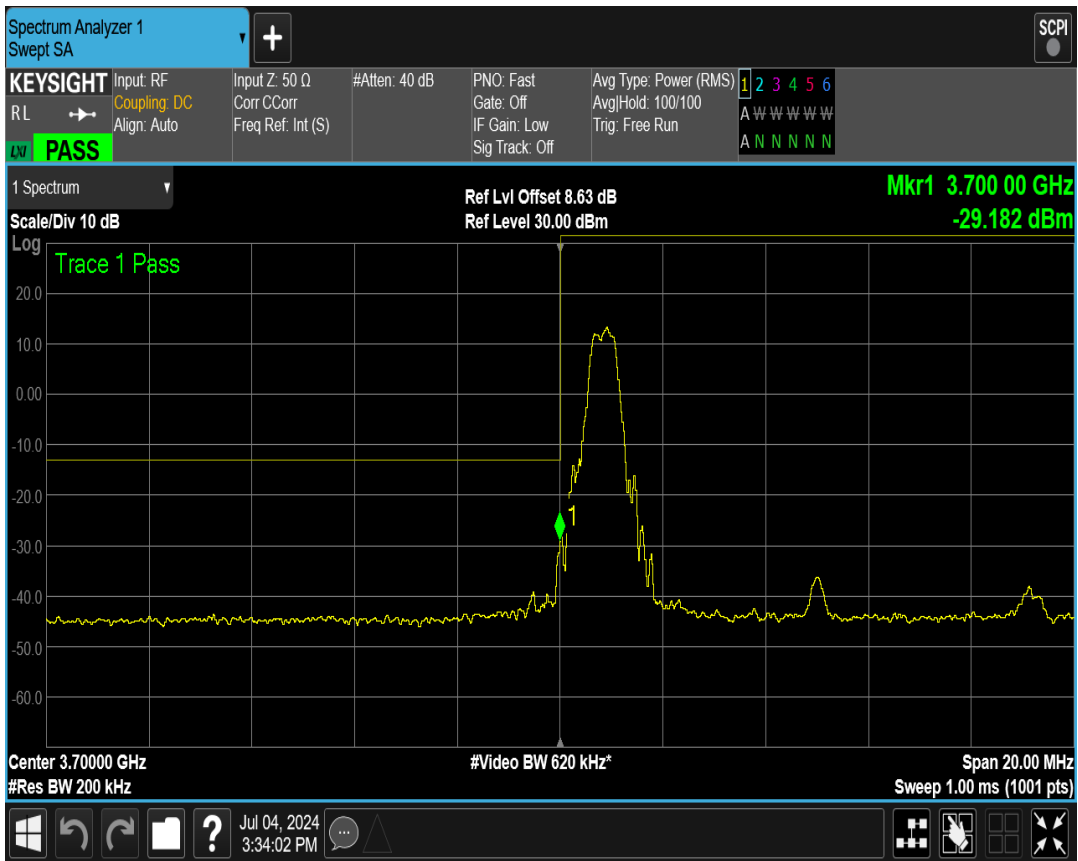




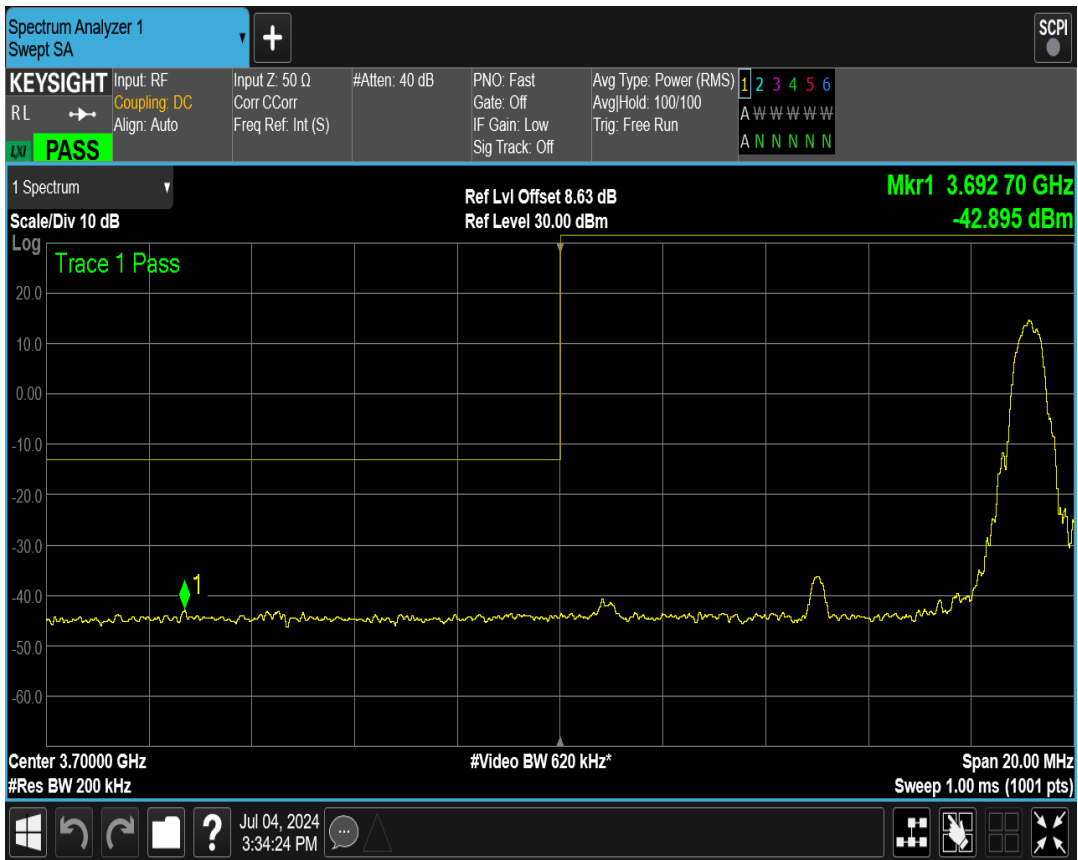
n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=273@0



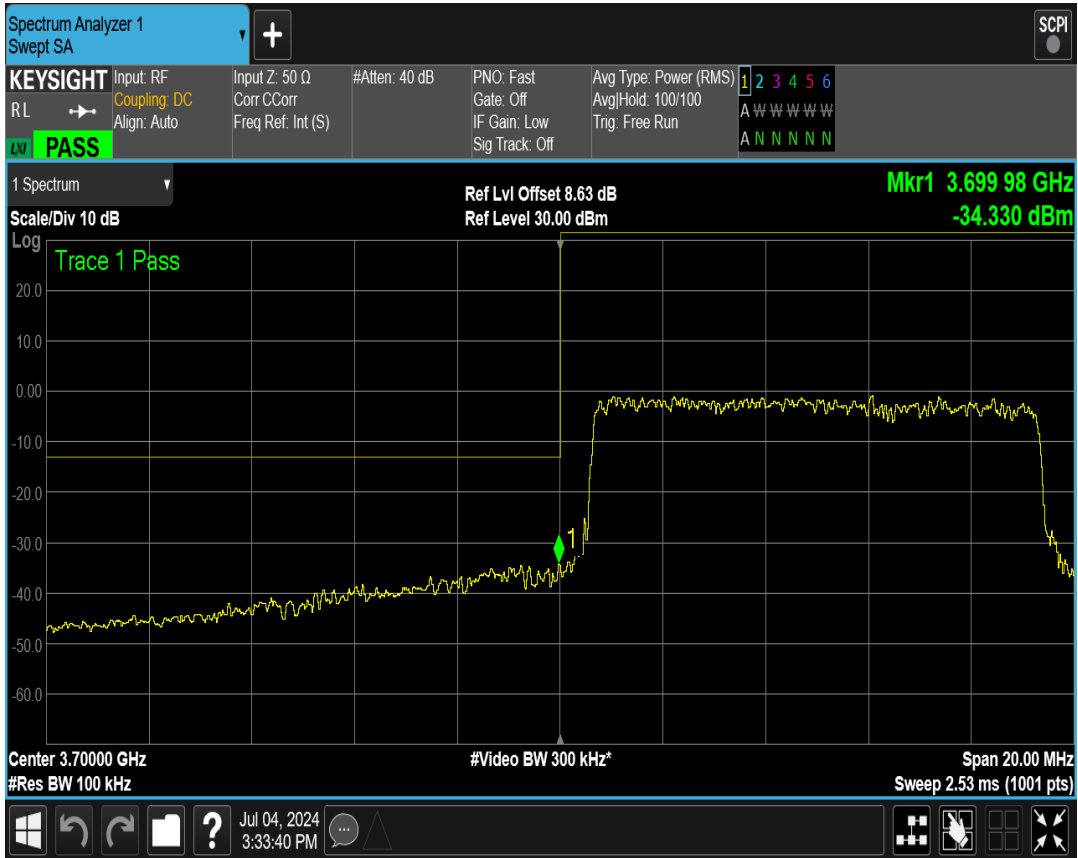
n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@0



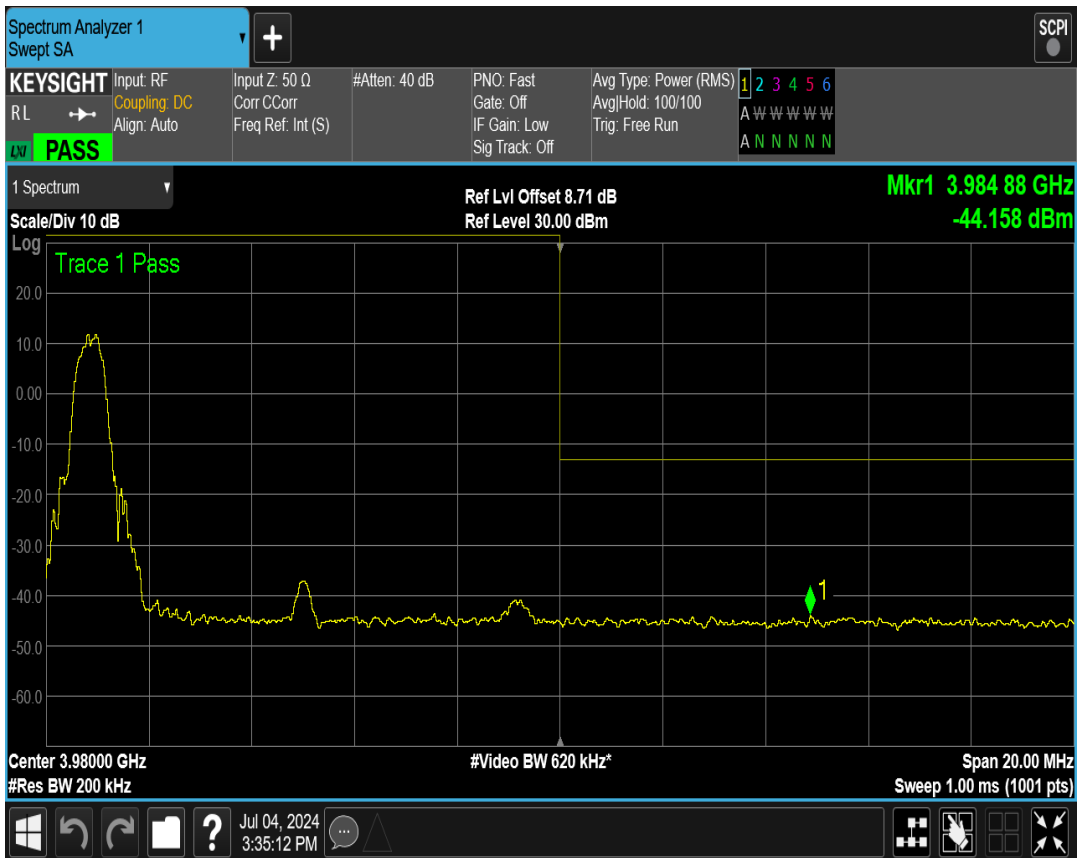
n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1 @23



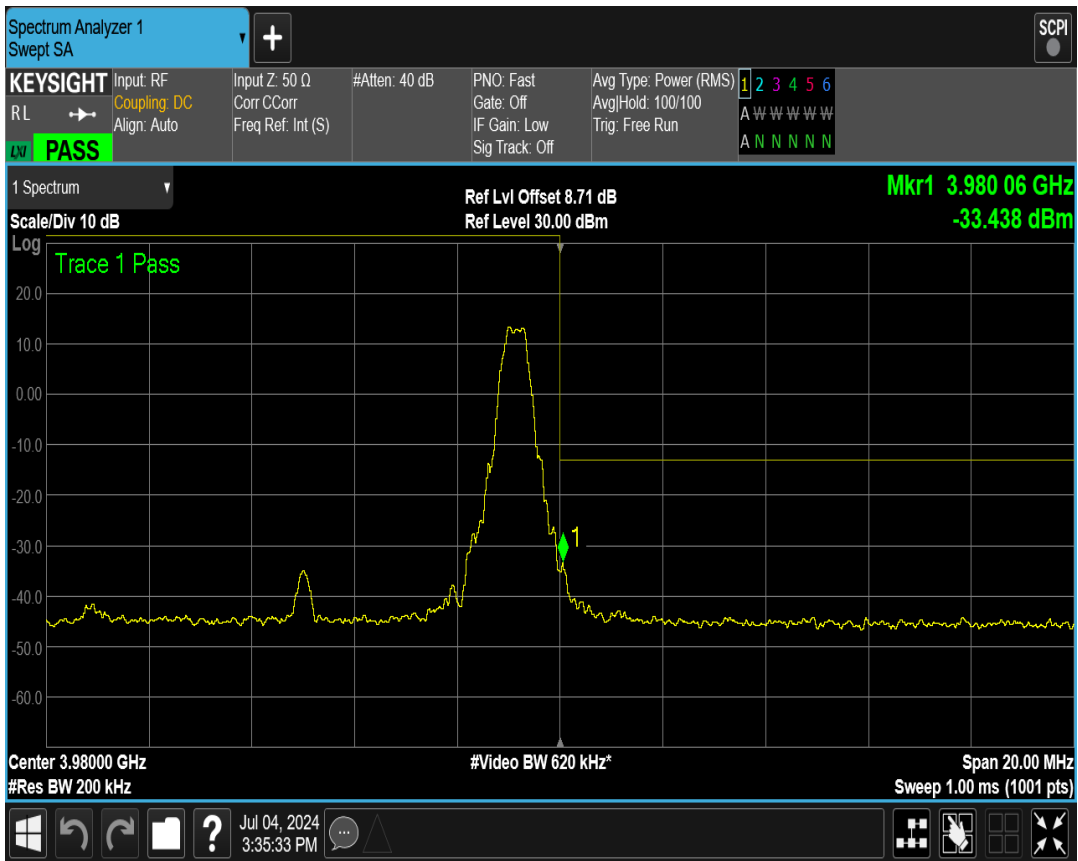
n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=24 @0



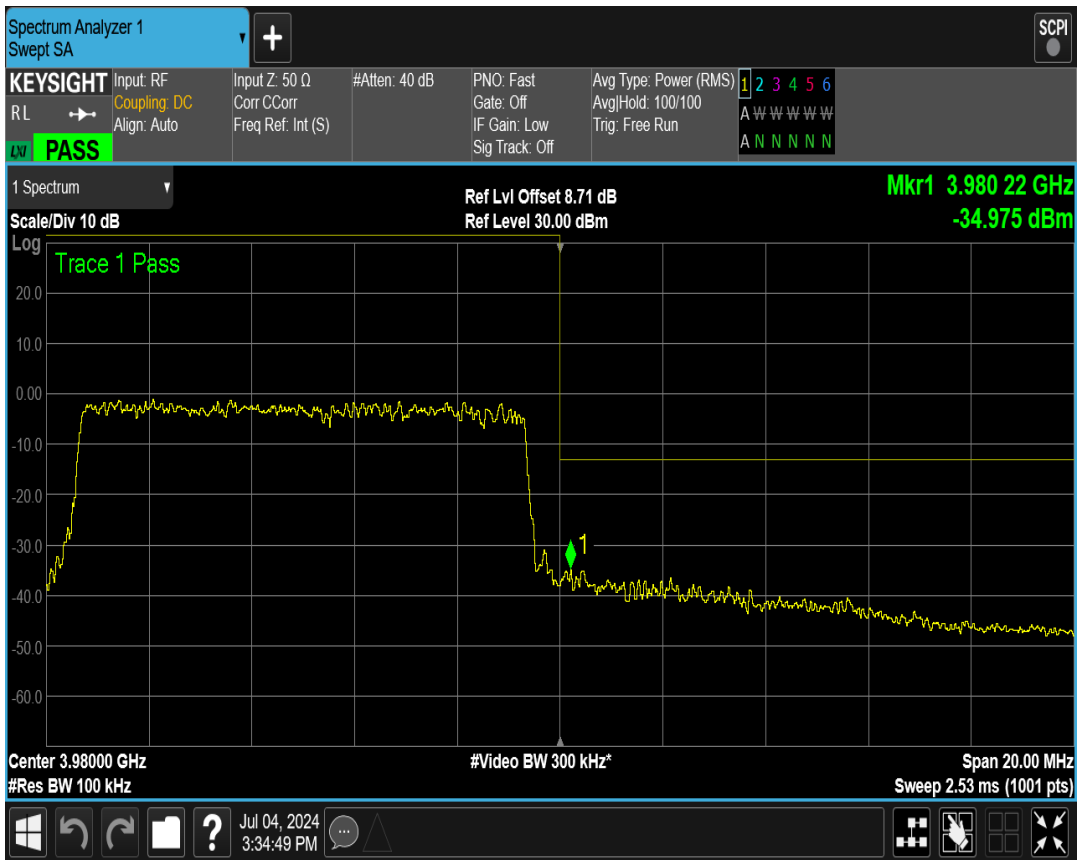
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=665000 RB=1 @0*



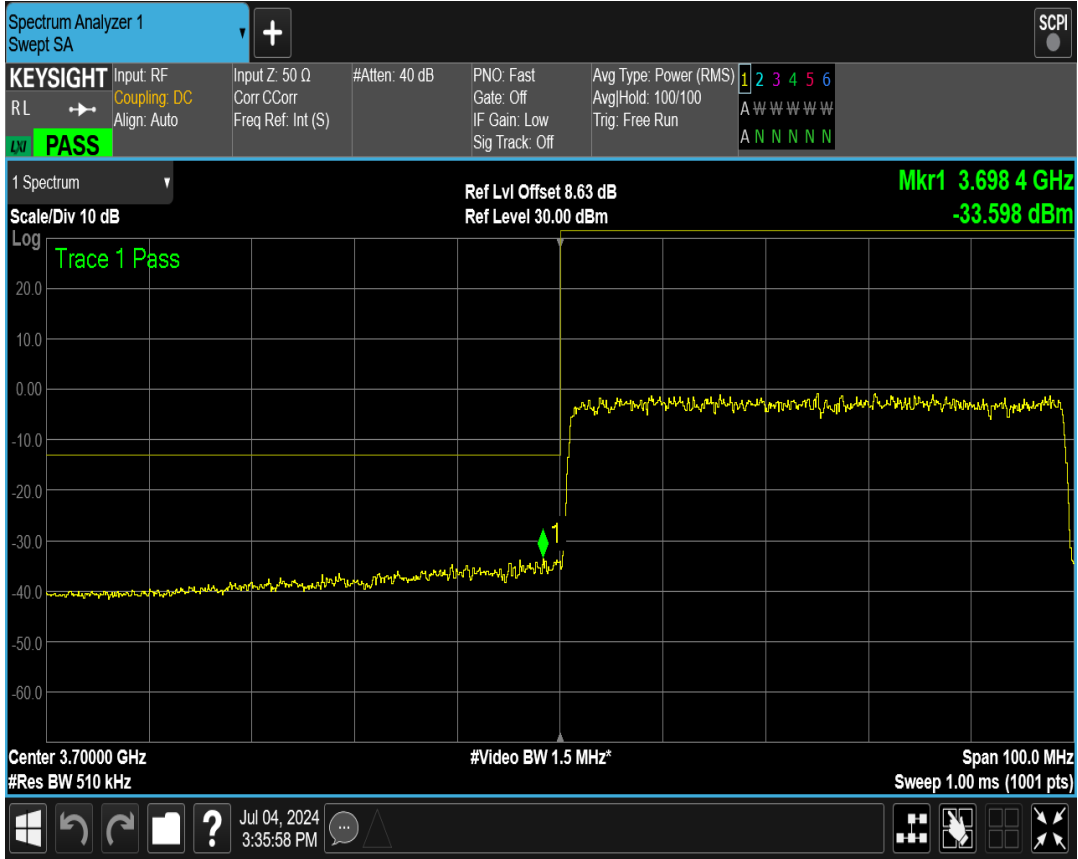
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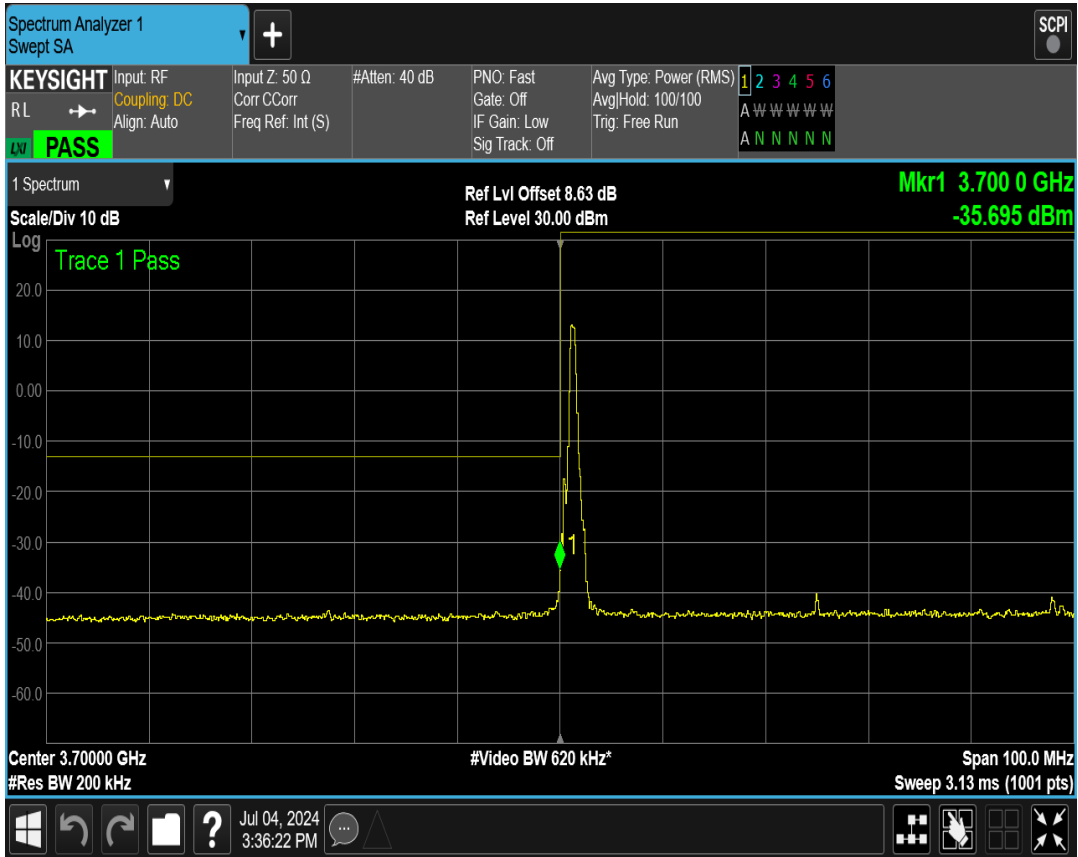
n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=665000 RB=24 @0



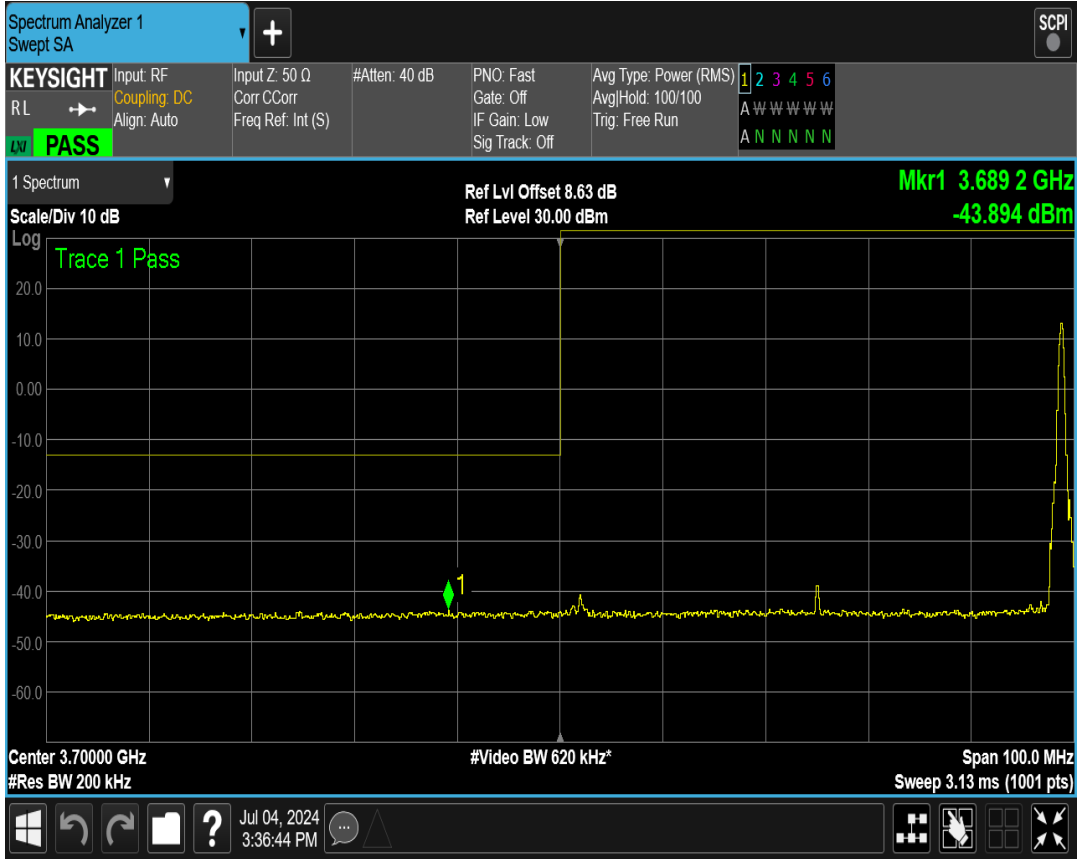
n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=133 @0



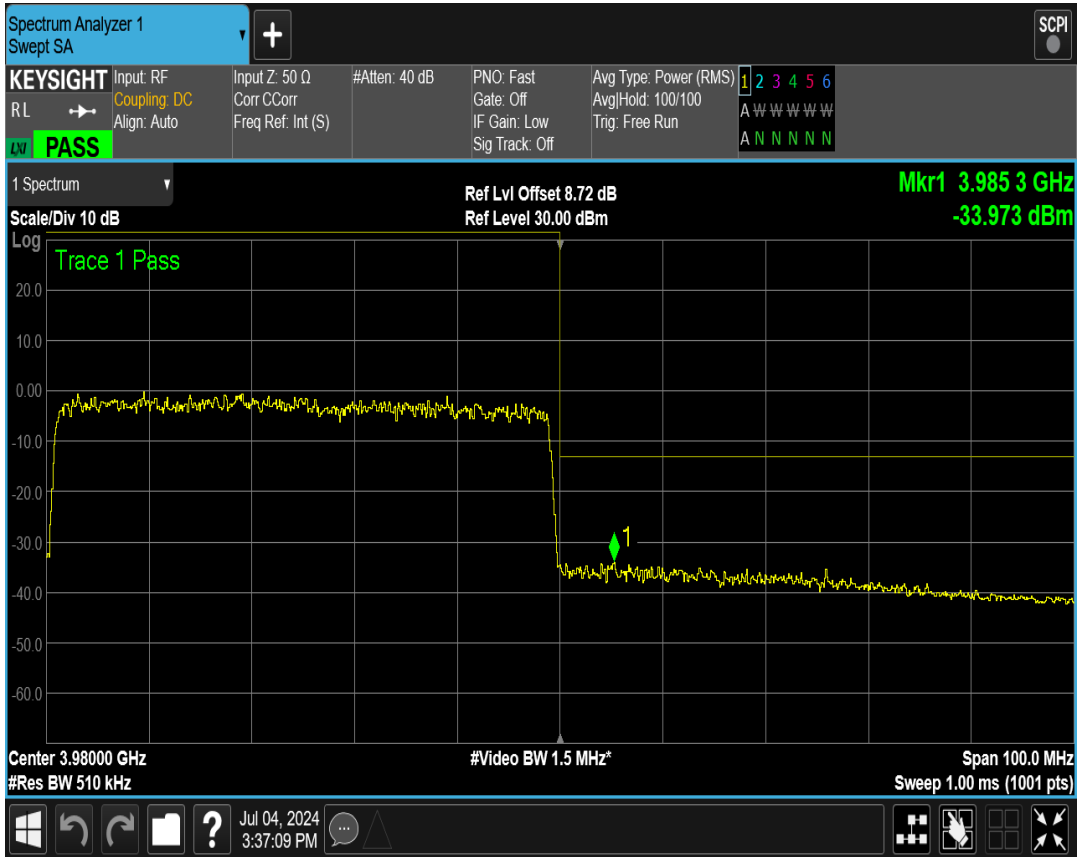
n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1 @0



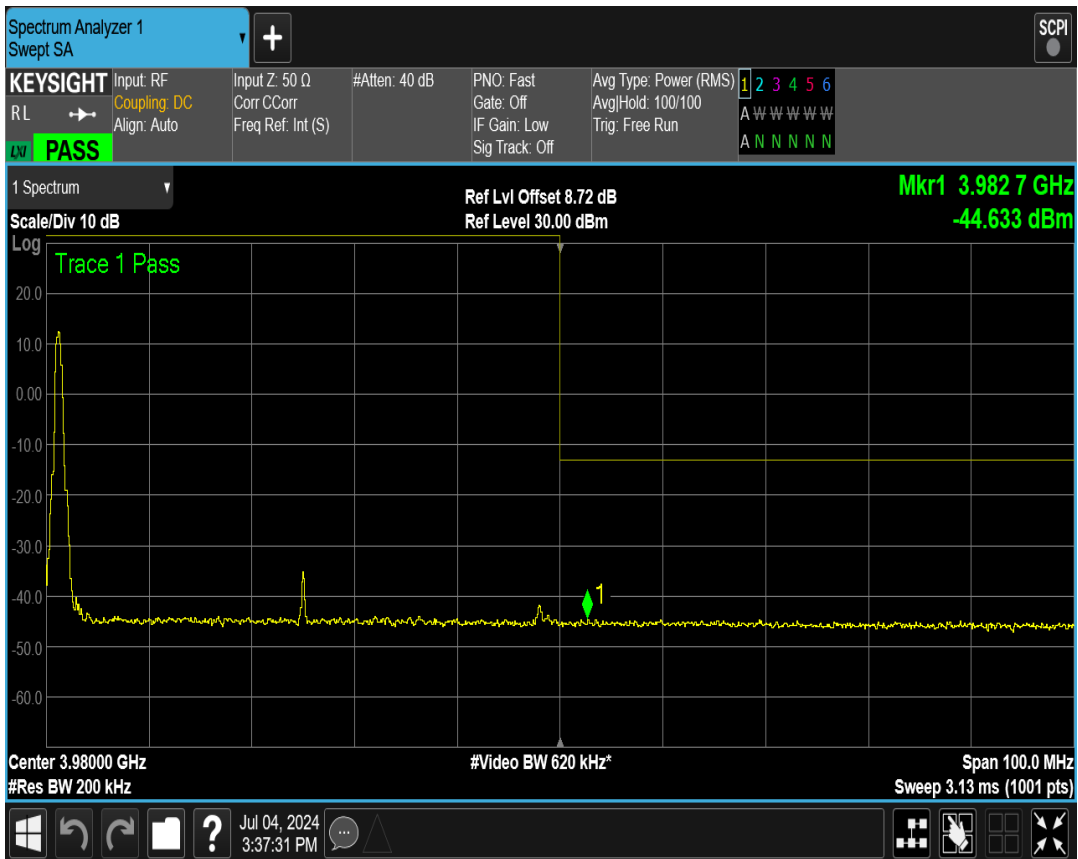
n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1 @132



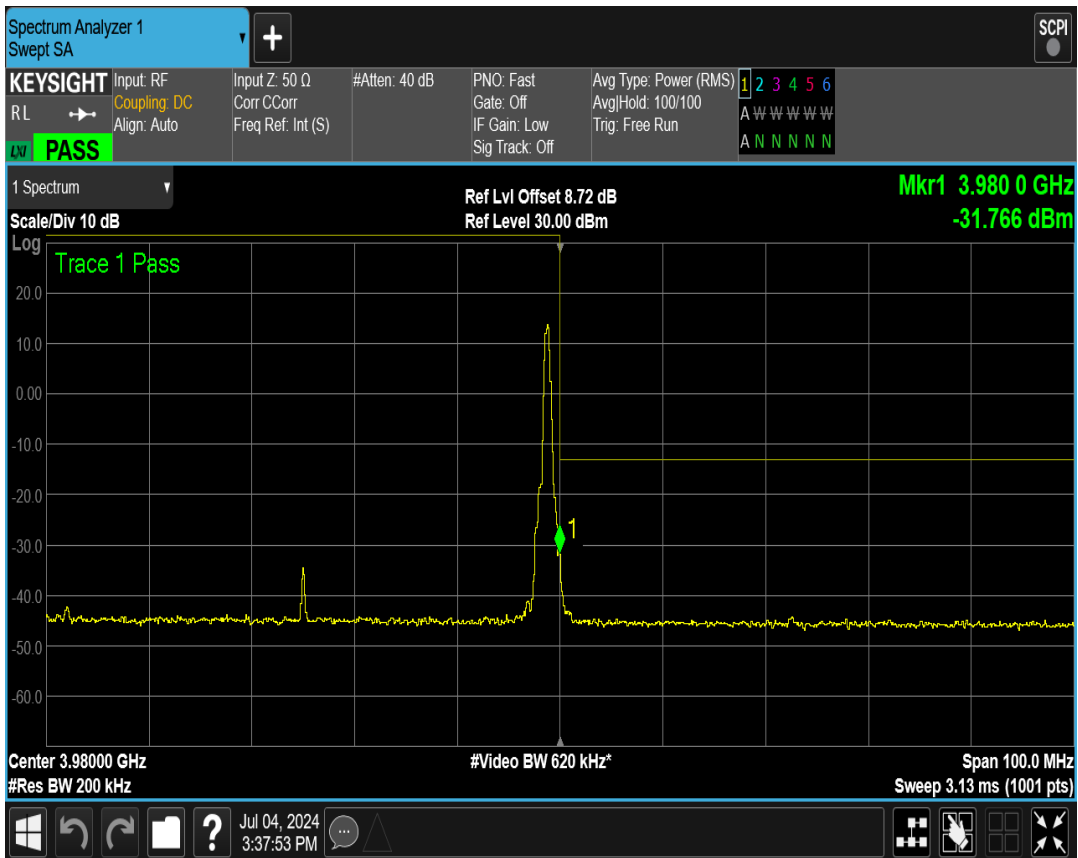
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=133 @0*



*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=1 @0*



n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=1 @132

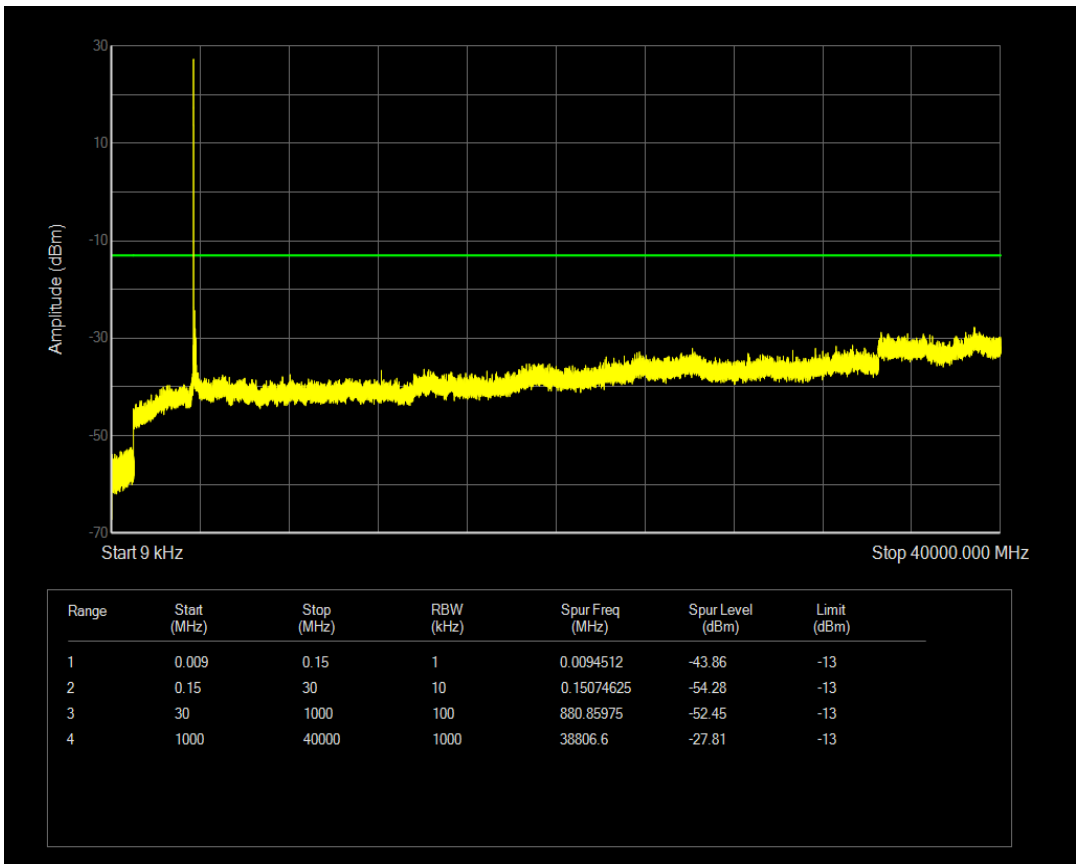


## 6 Out-of-band emissions for NR FR1

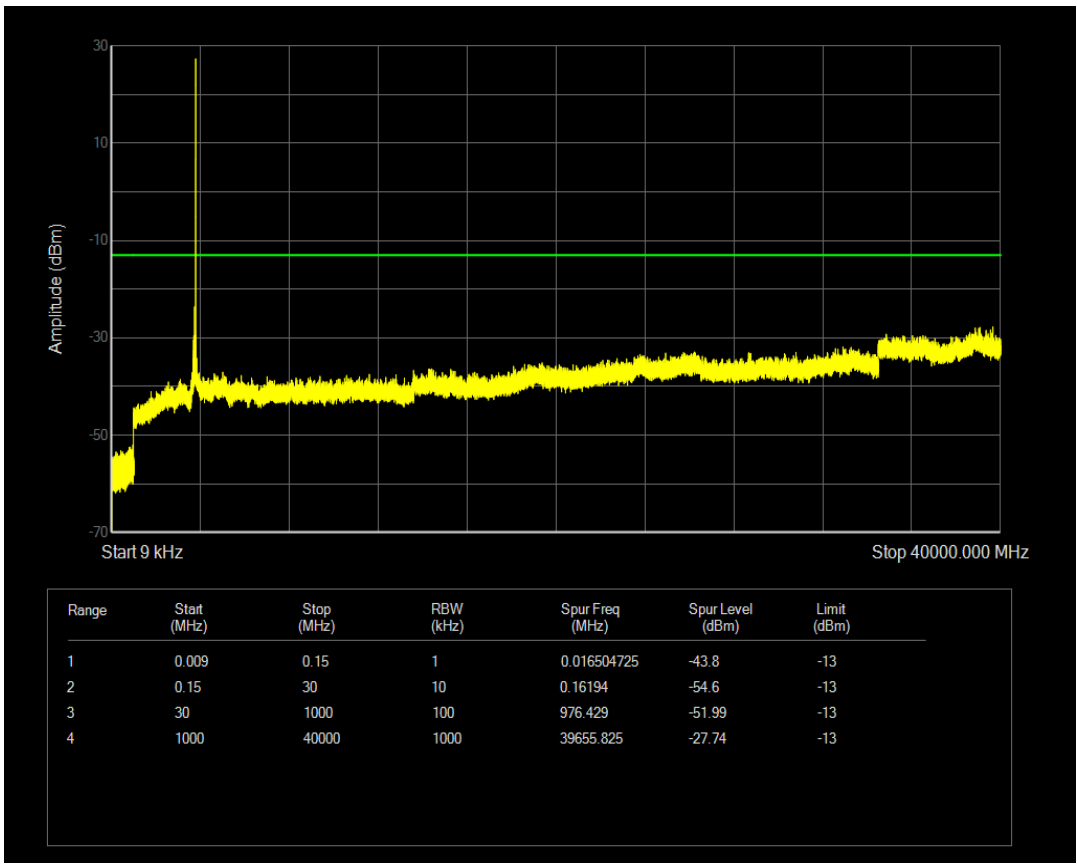
<i>Band</i>	<i>SCS (kHz)</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Allocation</i>	<i>Modulation</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
n77(3700-3980)	30	10	647000	24@0	CP_QPSK	38869.00	-26.88	-13	PASS
n77(3700-3980)	30	10	647000	1@0	CP_QPSK	39083.50	-27.60	-13	PASS
n77(3700-3980)	30	10	647000	1@23	CP_QPSK	38855.35	-28.03	-13	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	38849.50	-27.70	-13	PASS
n77(3700-3980)	30	10	665000	1@0	CP_QPSK	38703.25	-26.96	-13	PASS
n77(3700-3980)	30	10	665000	1@23	CP_QPSK	39103.00	-28.02	-13	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	37990.53	-27.84	-13	PASS
n77(3700-3980)	30	50	648334	1@0	CP_QPSK	39177.10	-28.24	-13	PASS
n77(3700-3980)	30	50	648334	1@132	CP_QPSK	39185.88	-27.82	-13	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	38885.58	-28.21	-13	PASS
n77(3700-3980)	30	50	663666	1@0	CP_QPSK	38871.93	-27.49	-13	PASS
n77(3700-3980)	30	50	663666	1@132	CP_QPSK	7957.60	-25.55	-13	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	38952.85	-27.85	-13	PASS
n77(3700-3980)	30	100	650000	1@0	CP_QPSK	38806.60	-27.81	-13	PASS
n77(3700-3980)	30	100	650000	1@272	CP_QPSK	39655.83	-27.74	-13	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	39126.40	-27.62	-13	PASS
n77(3700-3980)	30	100	662000	1@0	CP_QPSK	39349.68	-28.06	-13	PASS
n77(3700-3980)	30	100	662000	1@272	CP_QPSK	38865.10	-27.84	-13	PASS

**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@0**

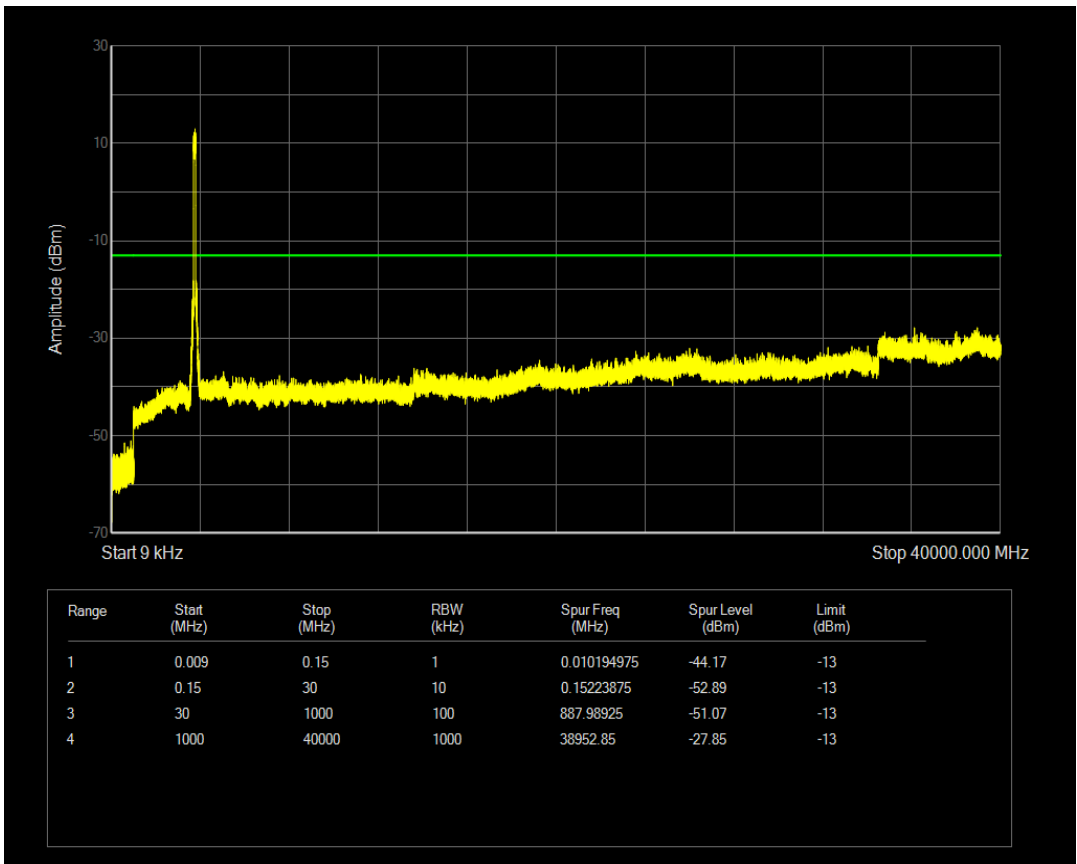




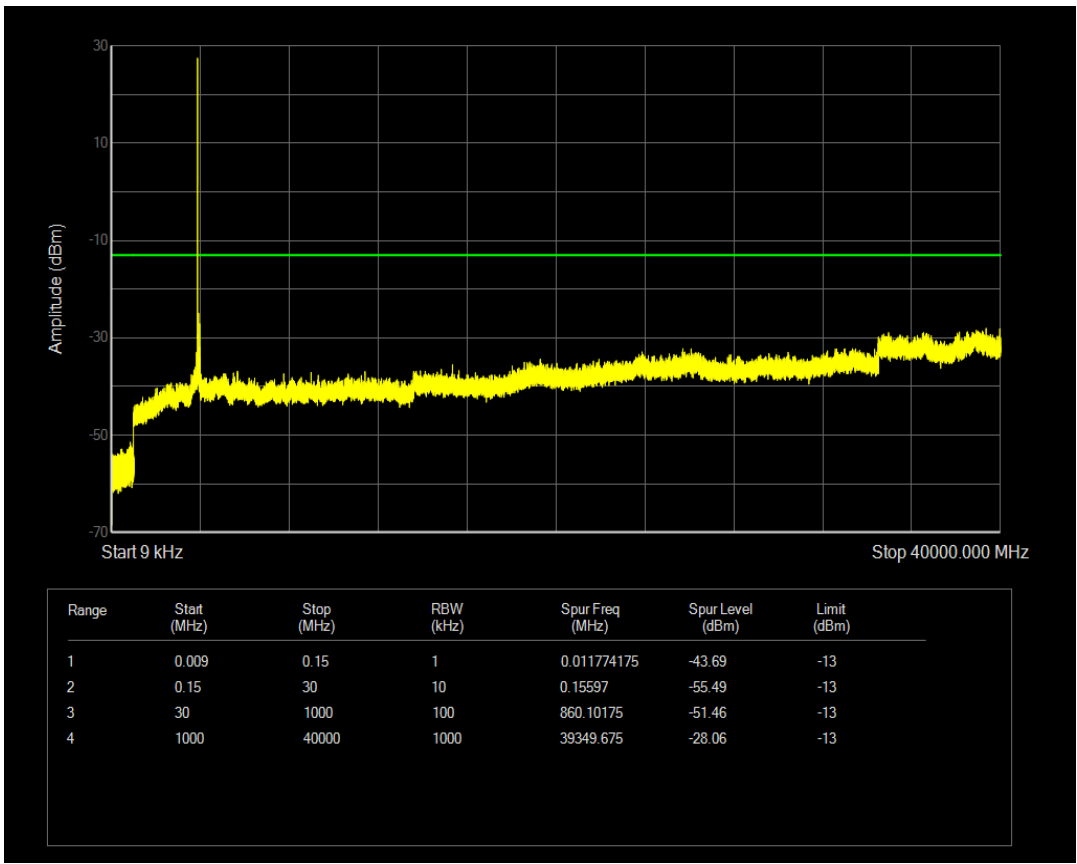
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=1@272**



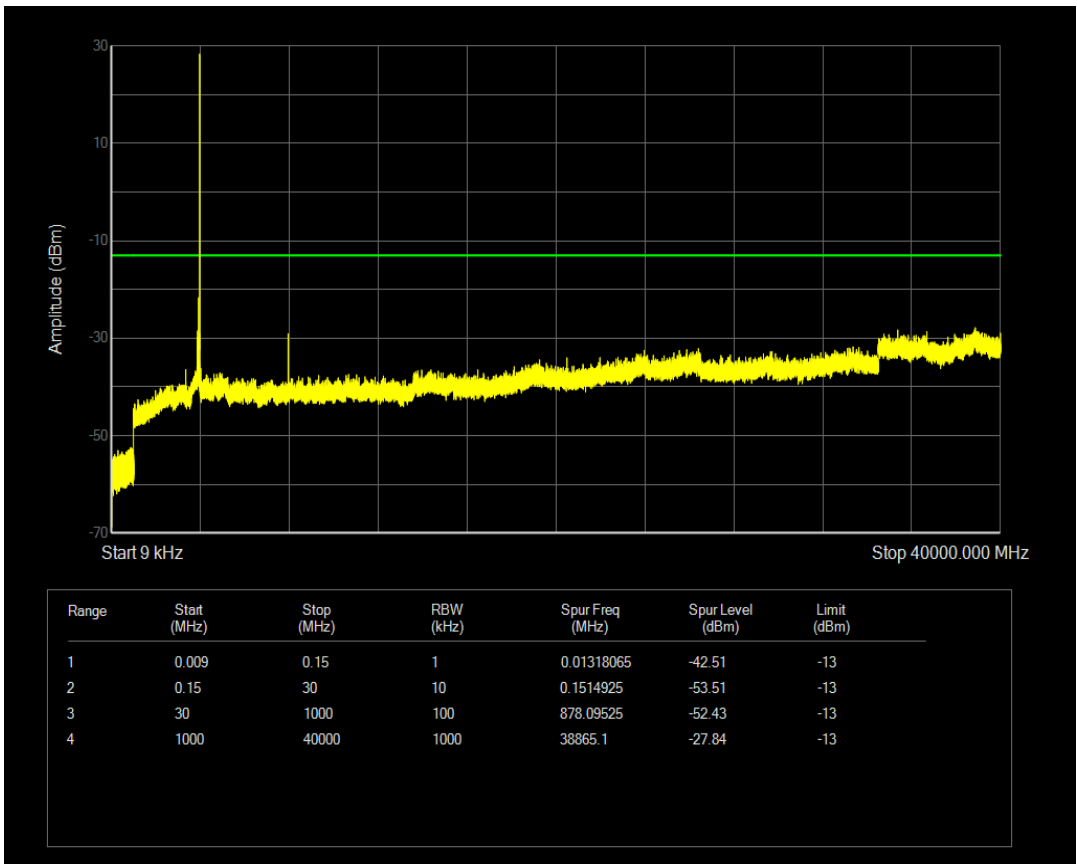
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=650000 RB=273@0**



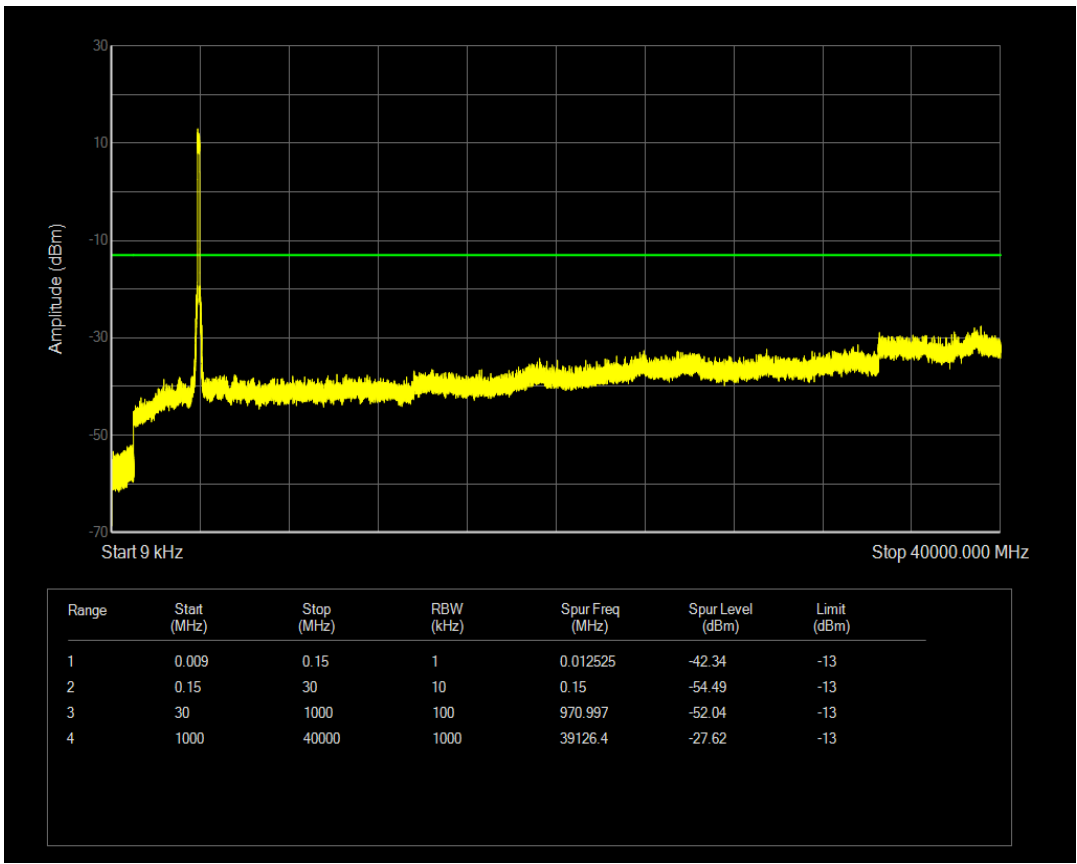
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=1 @0**



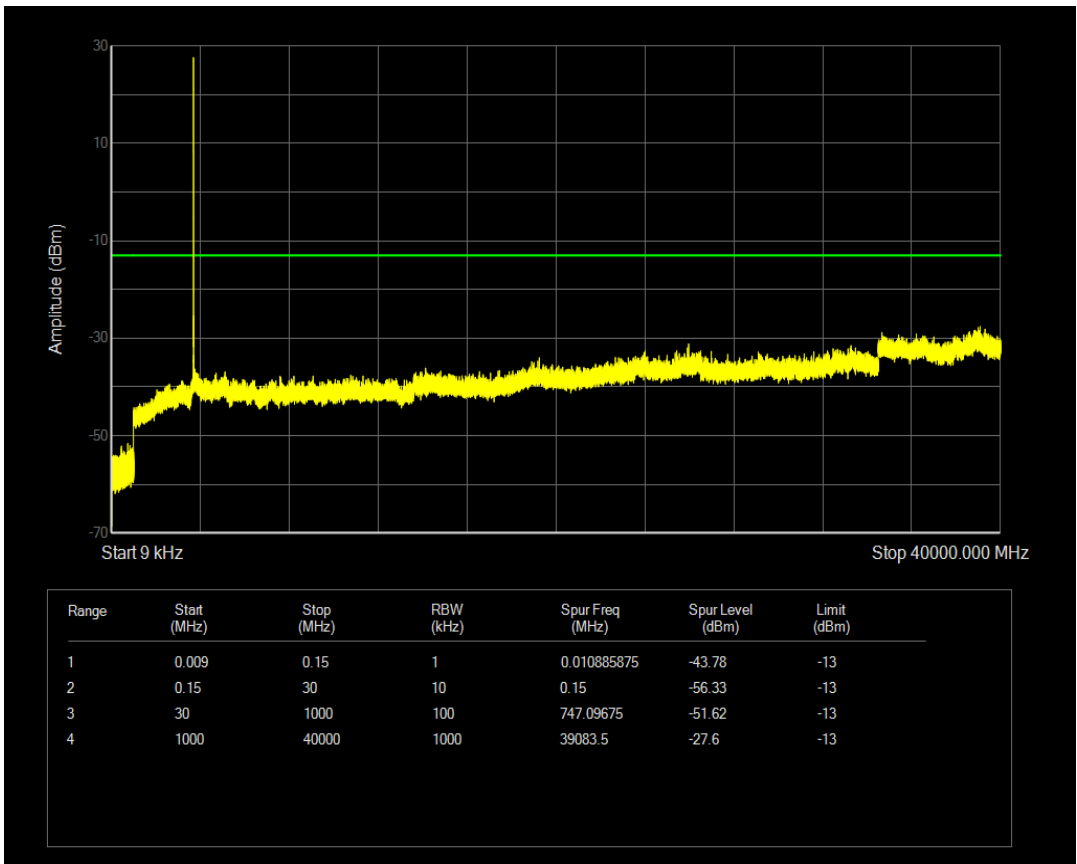
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=1 @272**



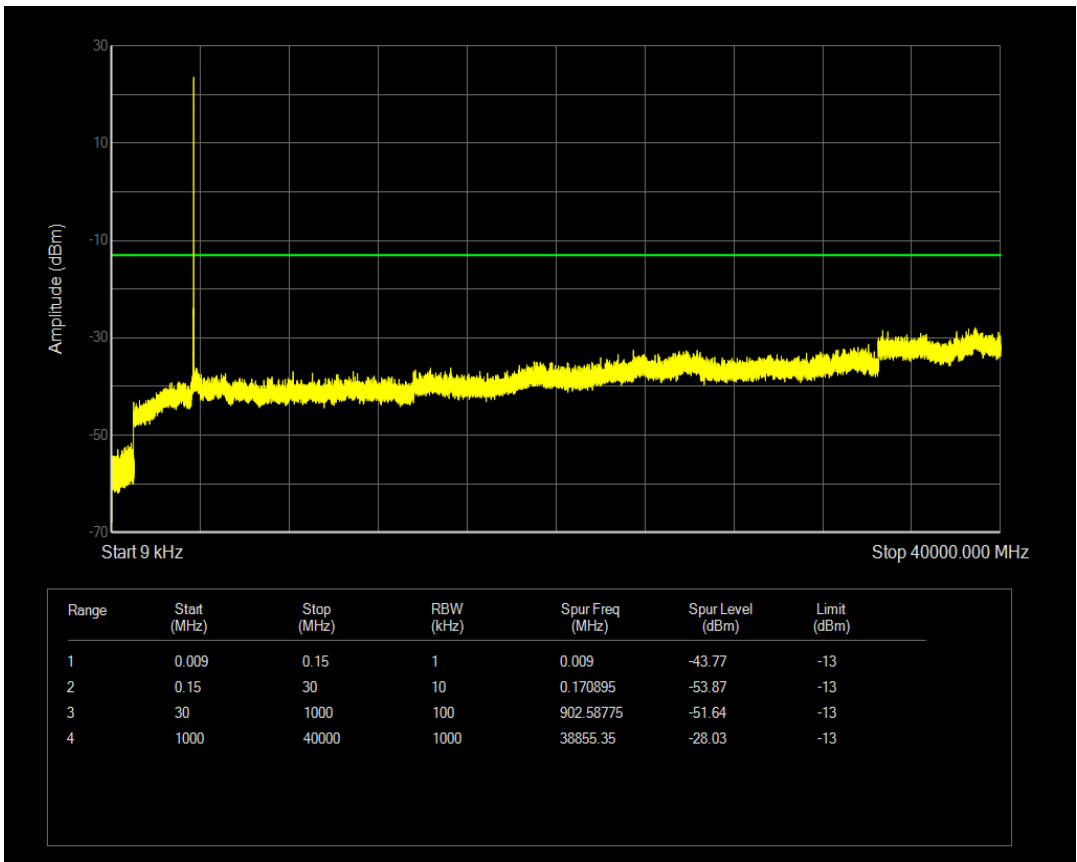
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=100MHz Channel=662000 RB=273@0**



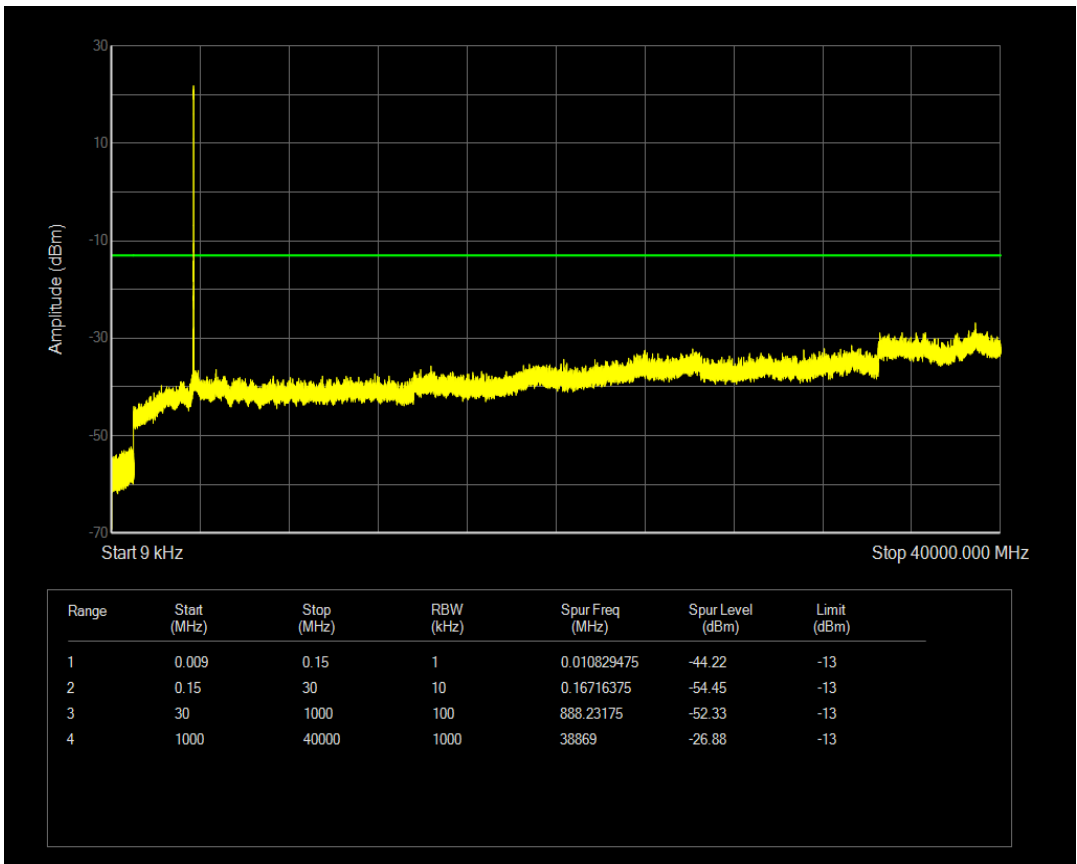
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@0**



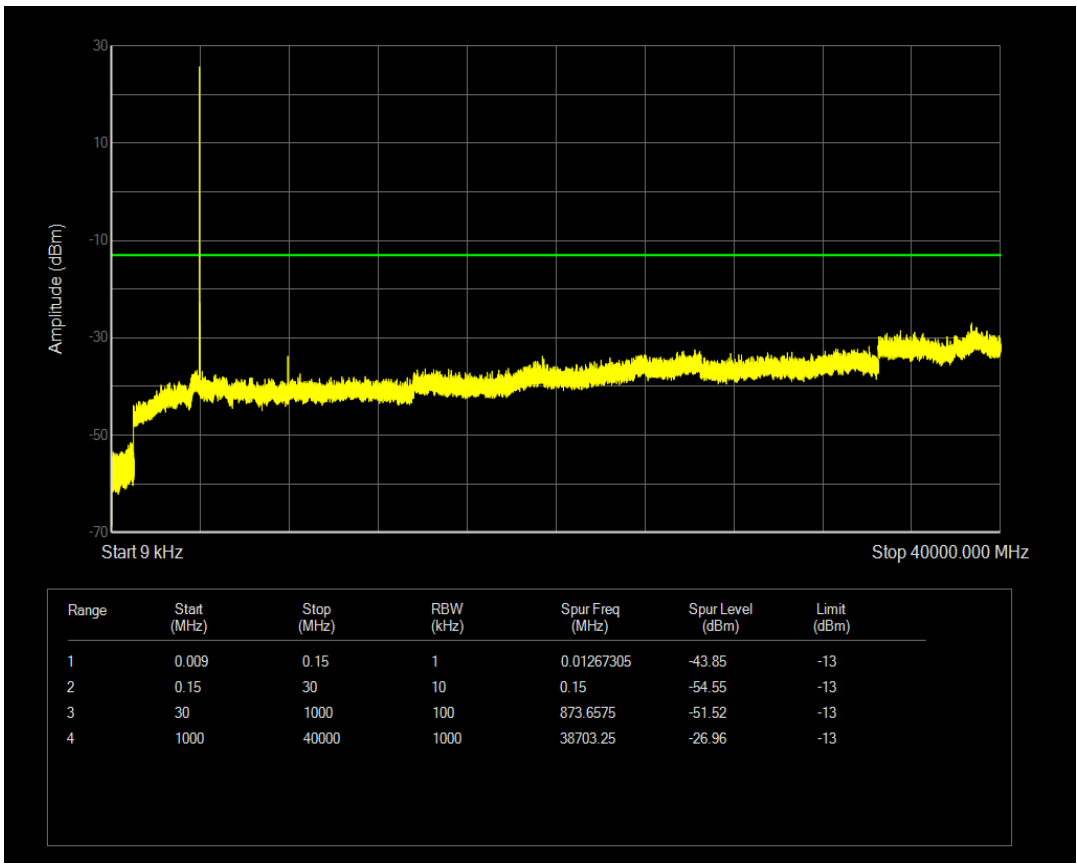
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=1@23*



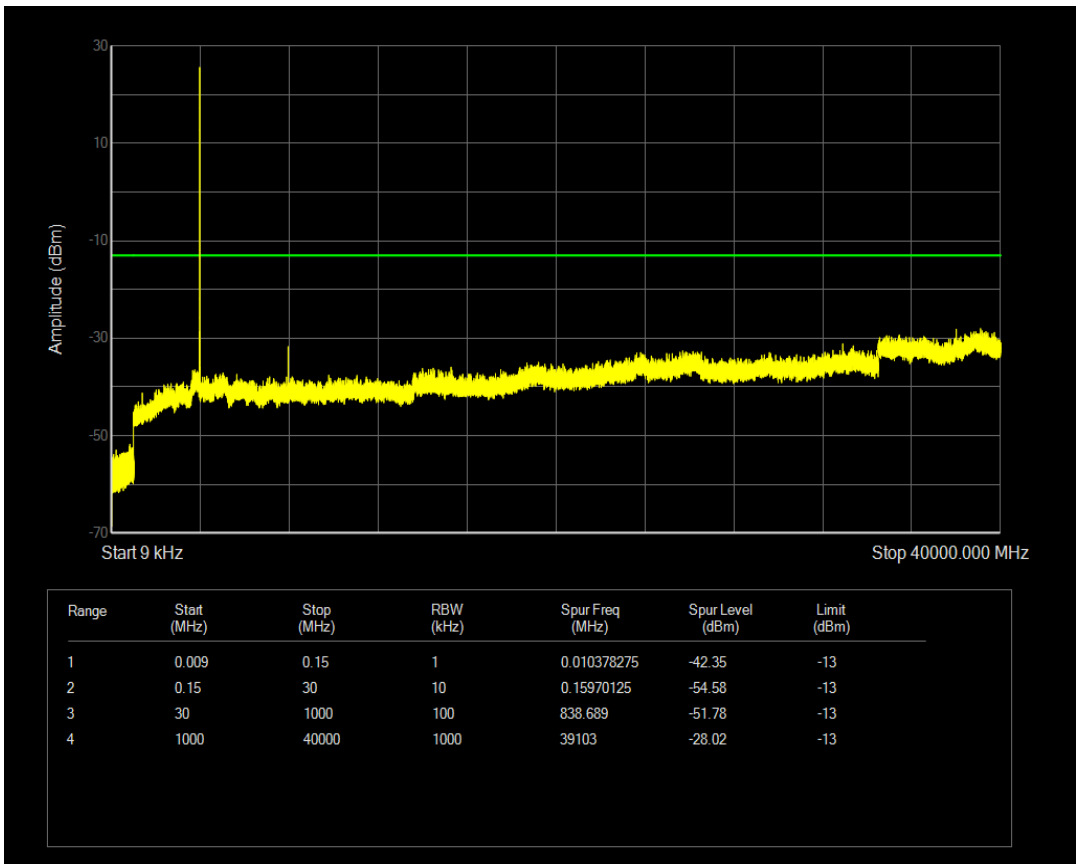
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=24@0*



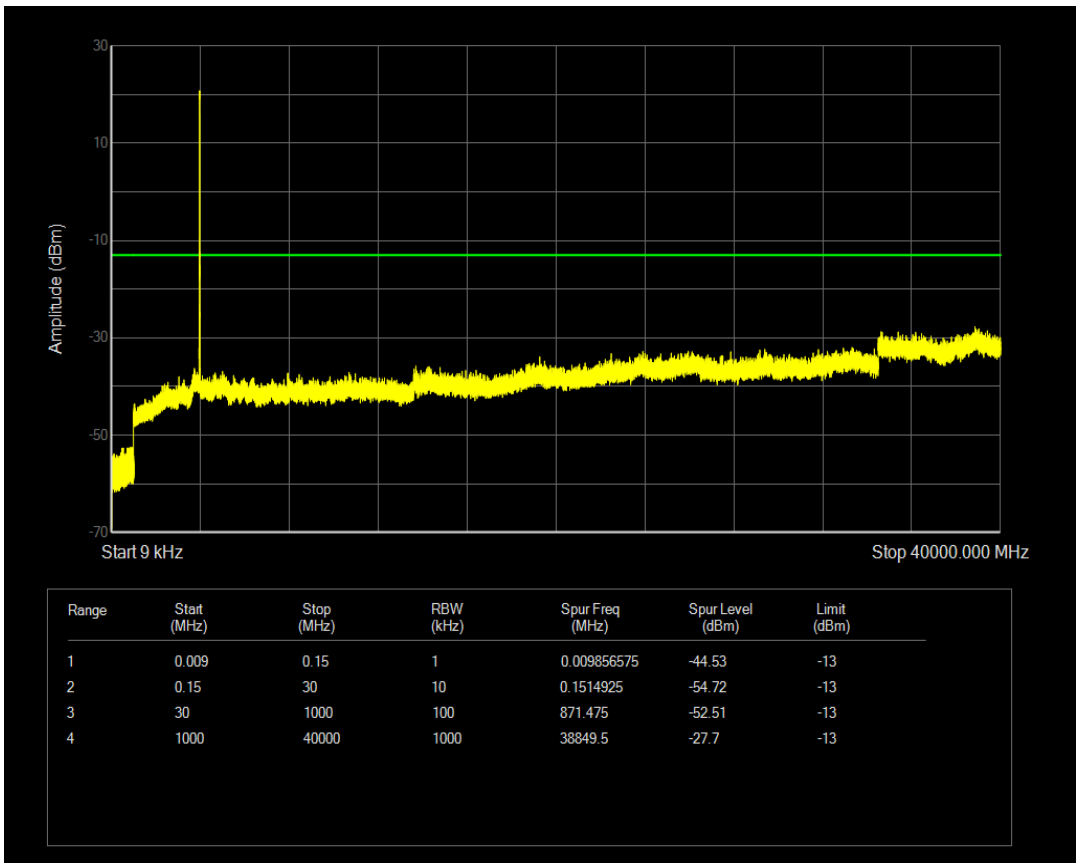
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=665000 RB=1@0*



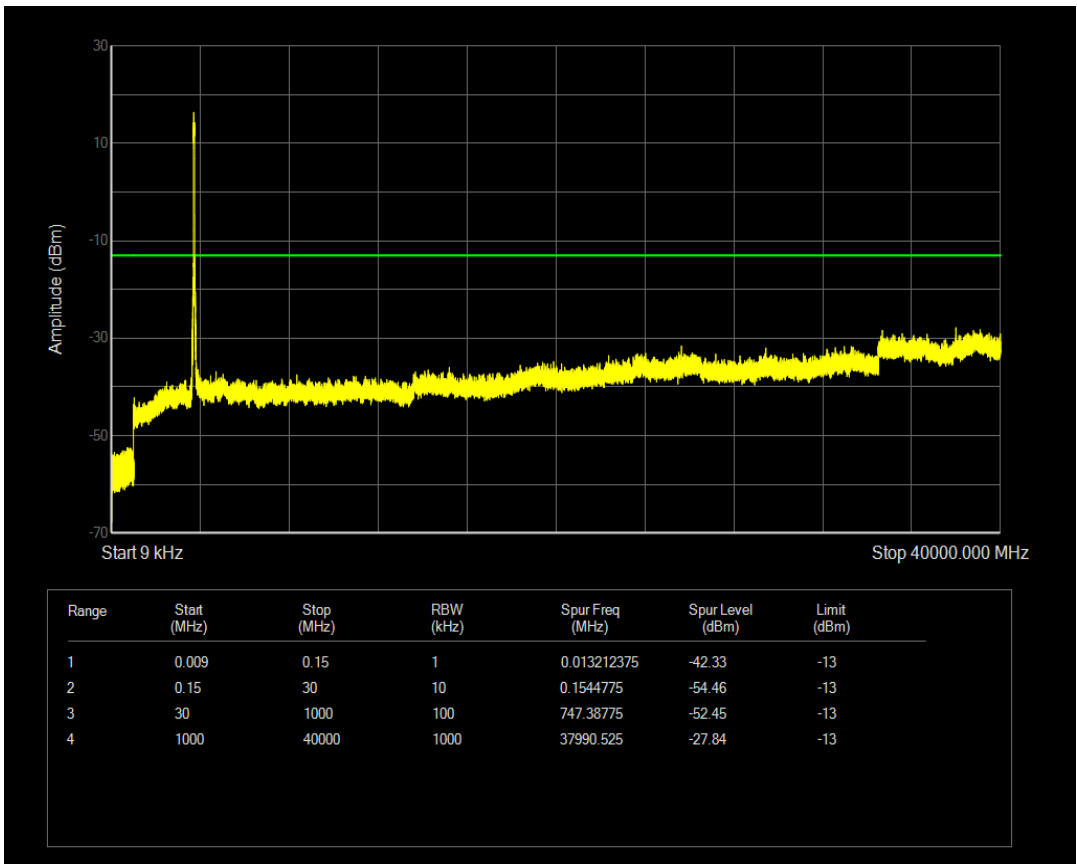
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=665000 RB=1@23*



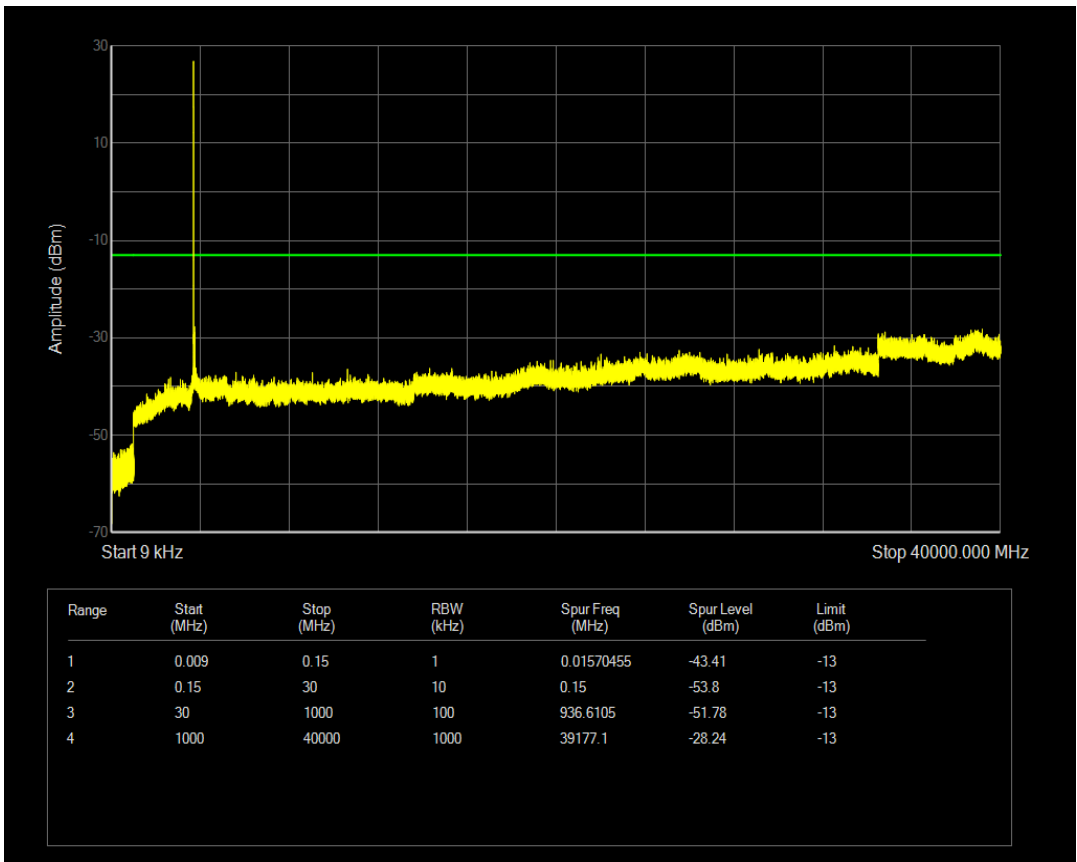
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=10MHz Channel=665000 RB=24@0**



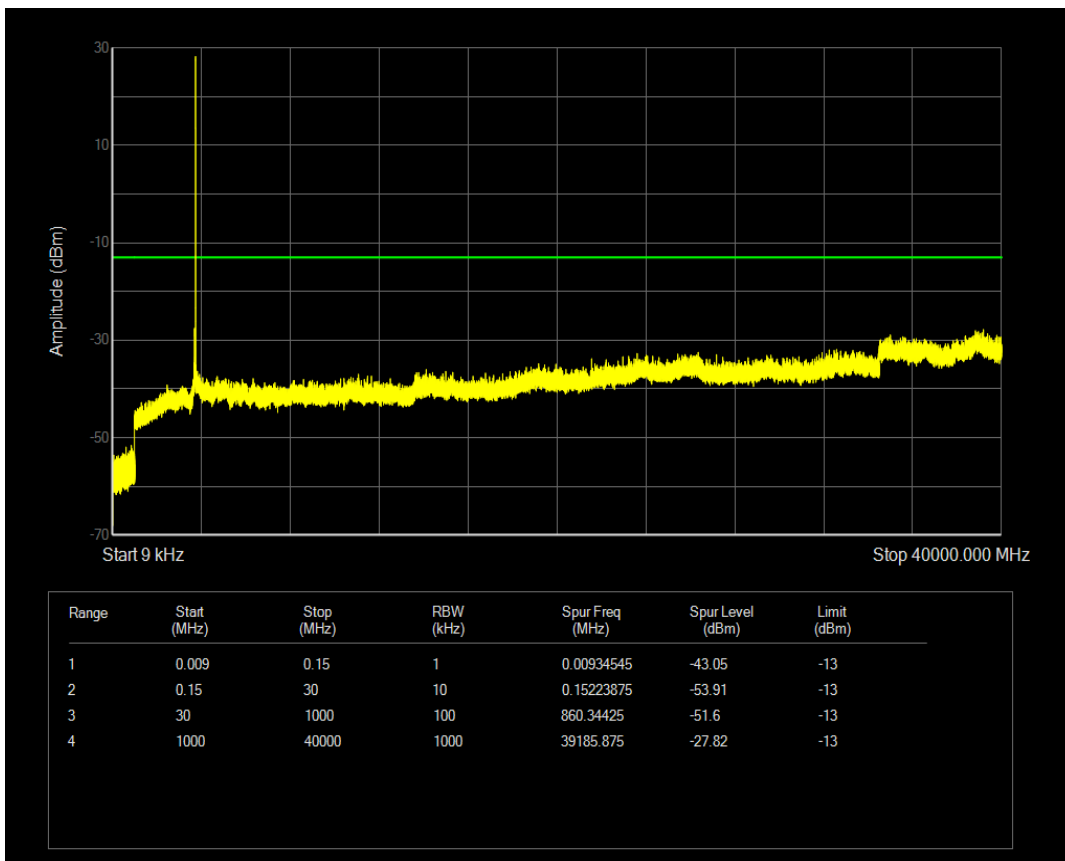
**n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=133@0**



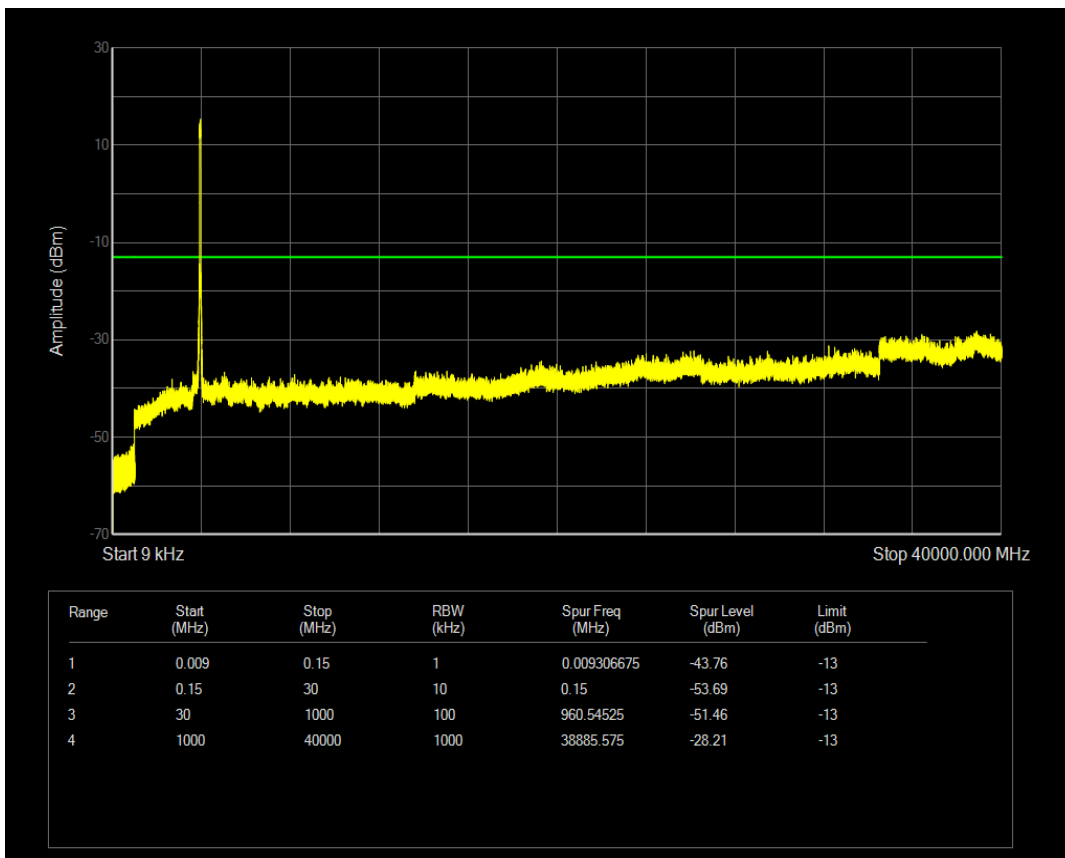
*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@0*



*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=648334 RB=1@132*

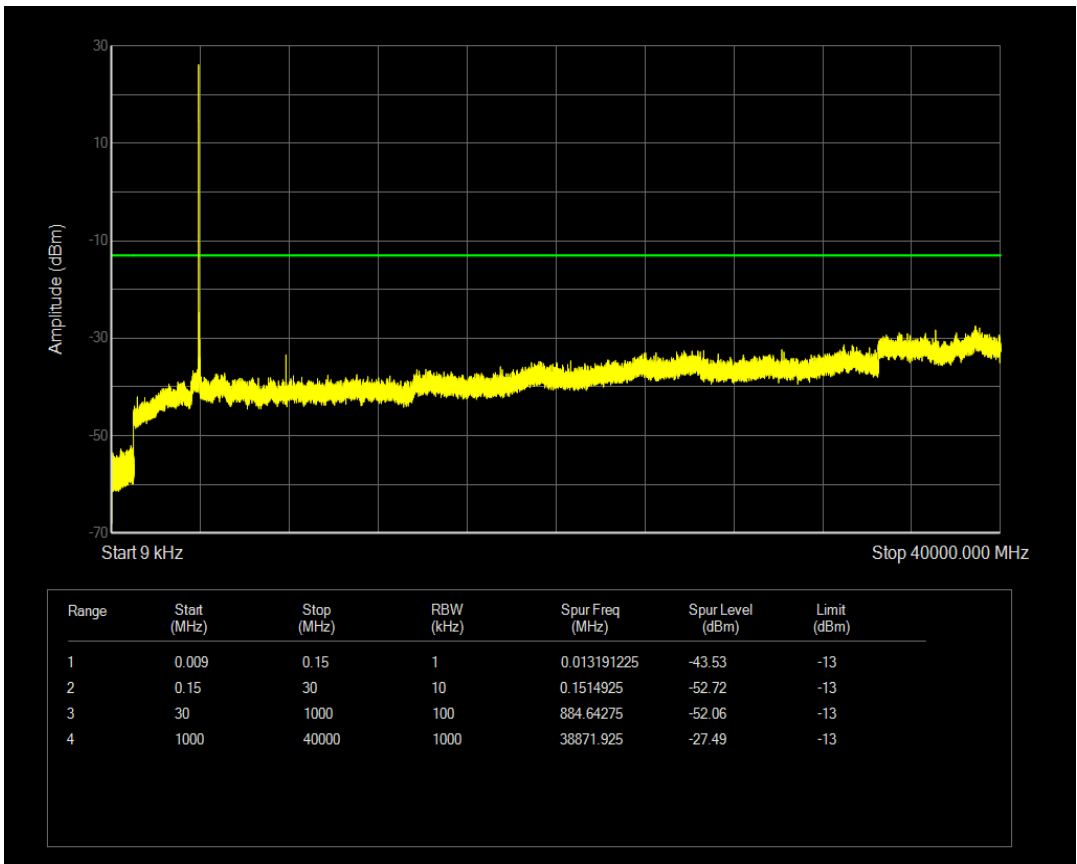


*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=133 @0*



*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=1 @0*





*n77(3700-3980) SCS=30kHz CP\_QPSK BW=50MHz Channel=663666 RB=1 @132*

