



n77(3700-3980) SCS=30kHz DFT_QAM16 BW=80MHz Channel=656000 RB=216@0



n77(3700-3980) SCS=30kHz DFT_QAM16 BW=90MHz Channel=656000 RB=240@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=100MHz Channel=656000 RB=270@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=10MHz Channel=656000 RB=24@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=15MHz Channel=656000 RB=36@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=20MHz Channel=656000 RB=50@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=30MHz Channel=656000 RB=75@0



n77(3700-3980) SCS=30kHz DFT_QAM256 BW=40MHz Channel=656000 RB=100@0



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



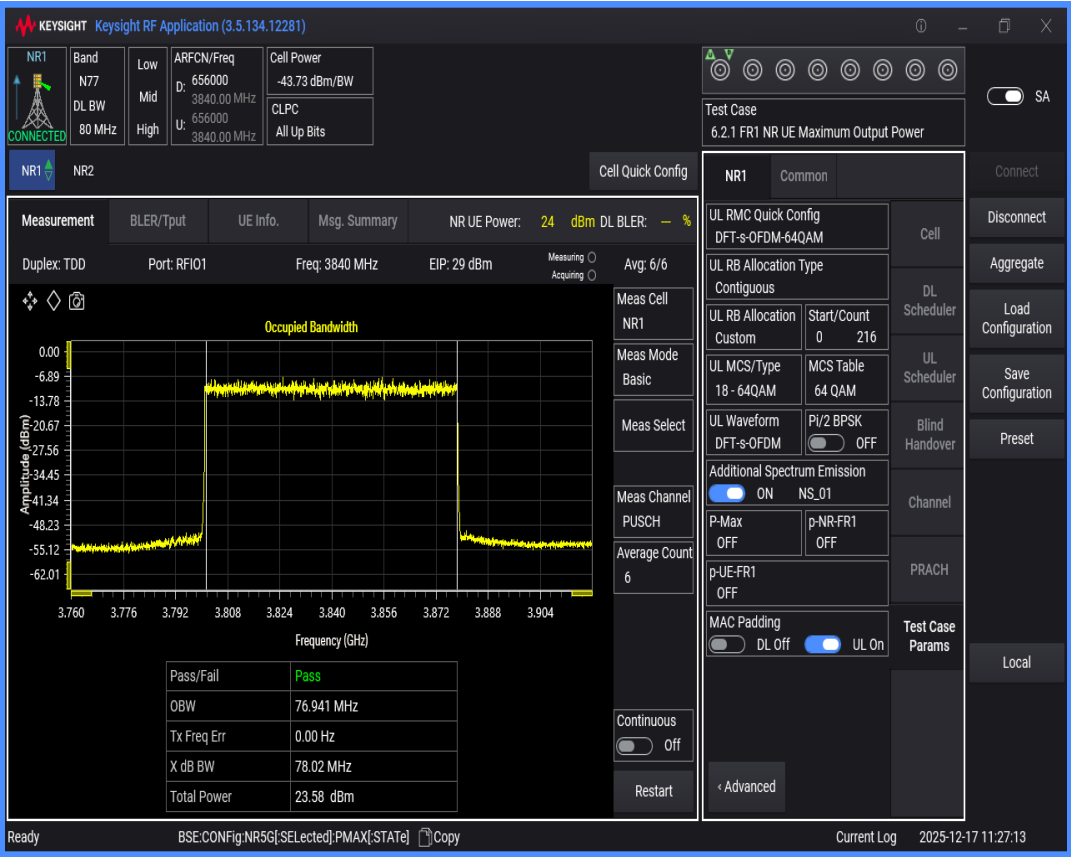
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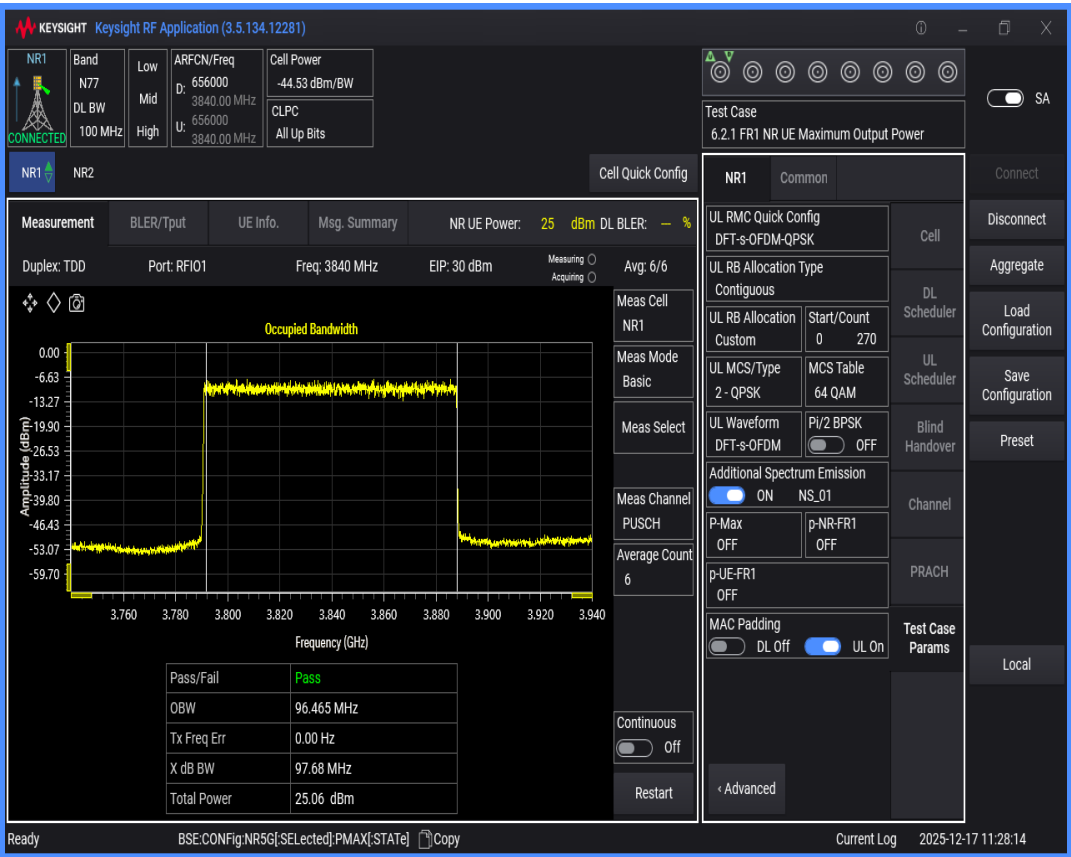
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n77(3700-3980) SCS=30kHz DFT_QAM64 BW=90MHz Channel=656000 RB=240@0



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



Test Case

6.2.1 FR1 NR UE Maximum Output Power

SA

Cell Quick Config

NR1

Common

UL RMC Quick Config

DFT-s-OFDM-QPSK

UL RB Allocation Type

Contiguous

UL RB Allocation

Custom

Start/Count

0 240

UL MCS/Type

2 - QPSK

MCS Table

64 QAM

UL Waveform

DFT-s-OFDM

PI/2 BPSK

OFF

Additional Spectrum Emission

ON

NS_01

P-Max

OFF

p-NR-FR1

OFF

p-UE-FR1

OFF

MAC Padding

DL Off

UL On

Test Case Params

Connect

Disconnect

Aggregate

Load Configuration

Save Configuration

Preset

Channel

PRACH

Local

Measurement

BLER/Tput

UE Info.

Msg. Summary

NR UE Power: 25 dBm

DL BLER: - %

Duplex: TDD

Port: RFIO1

Freq: 3840 MHz

EIP: 29 dBm

Measuring

Acquiring

Avg: 6/6

Occupied Bandwidth

Amplitude (dBm)

Frequency (GHz)

Pass/Fail

Pass

OBW

86.532 MHz

Tx Freq Err

0.00 Hz

X dB BW

86.69 MHz

Total Power

25.07 dBm

Meas Cell

NR1

Meas Mode

Basic

Meas Select

Meas Channel

PUSCH

Average Count

6

Continuous

Off

Restart

Ready

BSE.CONFIG.NR5G[Selected].PMAX[State]

Copy

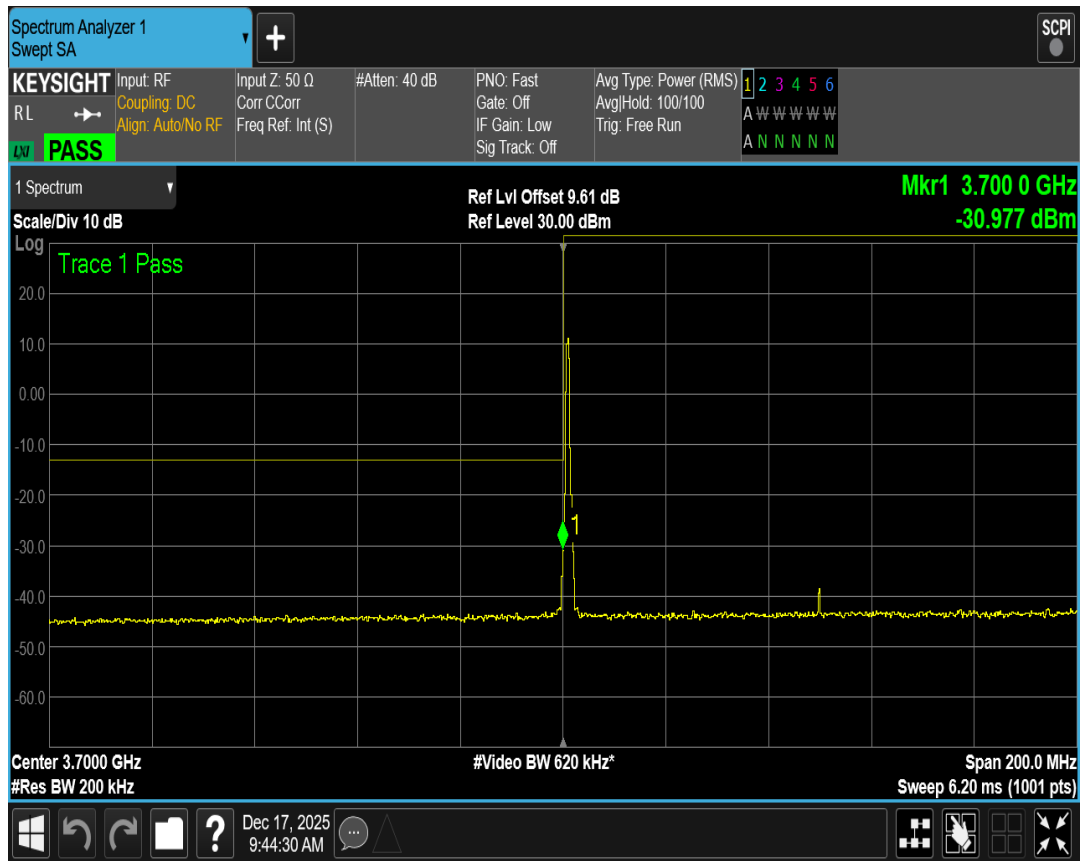
Current Log

2025-12-17 11:27:46

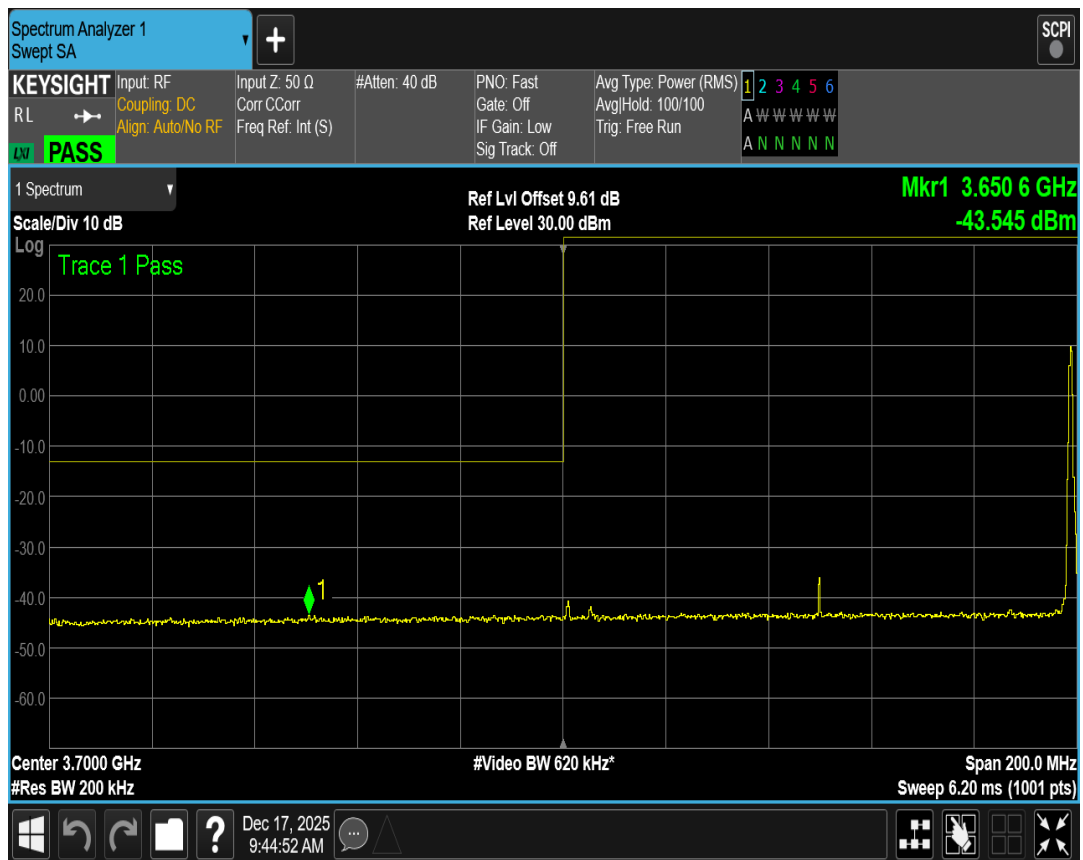
5 Band edge for NR FR1

<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	3695.74	-45.50	-13	PASS
n77(3700-3980)	30	10	647000	1@0	CP_QPSK	3700.00	-34.23	-13	PASS
n77(3700-3980)	30	10	647000	1@23	CP_QPSK	3694.46	-43.04	-13	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	3980.12	-43.39	-13	PASS
n77(3700-3980)	30	10	665000	1@0	CP_QPSK	3987.48	-43.77	-13	PASS
n77(3700-3980)	30	10	665000	1@23	CP_QPSK	3980.00	-31.55	-13	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	3699.70	-37.69	-13	PASS
n77(3700-3980)	30	50	648334	1@0	CP_QPSK	3699.90	-39.76	-13	PASS
n77(3700-3980)	30	50	648334	1@132	CP_QPSK	3684.10	-43.02	-13	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	3982.30	-38.55	-13	PASS
n77(3700-3980)	30	50	663666	1@0	CP_QPSK	3985.00	-43.95	-13	PASS
n77(3700-3980)	30	50	663666	1@132	CP_QPSK	3980.00	-35.64	-13	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	3700.00	-21.40	-13	PASS
n77(3700-3980)	30	100	650000	1@0	CP_QPSK	3700.00	-30.97	-13	PASS
n77(3700-3980)	30	100	650000	1@272	CP_QPSK	3650.60	-43.54	-13	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	3980.00	-24.08	-13	PASS
n77(3700-3980)	30	100	662000	1@0	CP_QPSK	3982.00	-44.32	-13	PASS
n77(3700-3980)	30	100	662000	1@272	CP_QPSK	3980.00	-35.91	-13	PASS

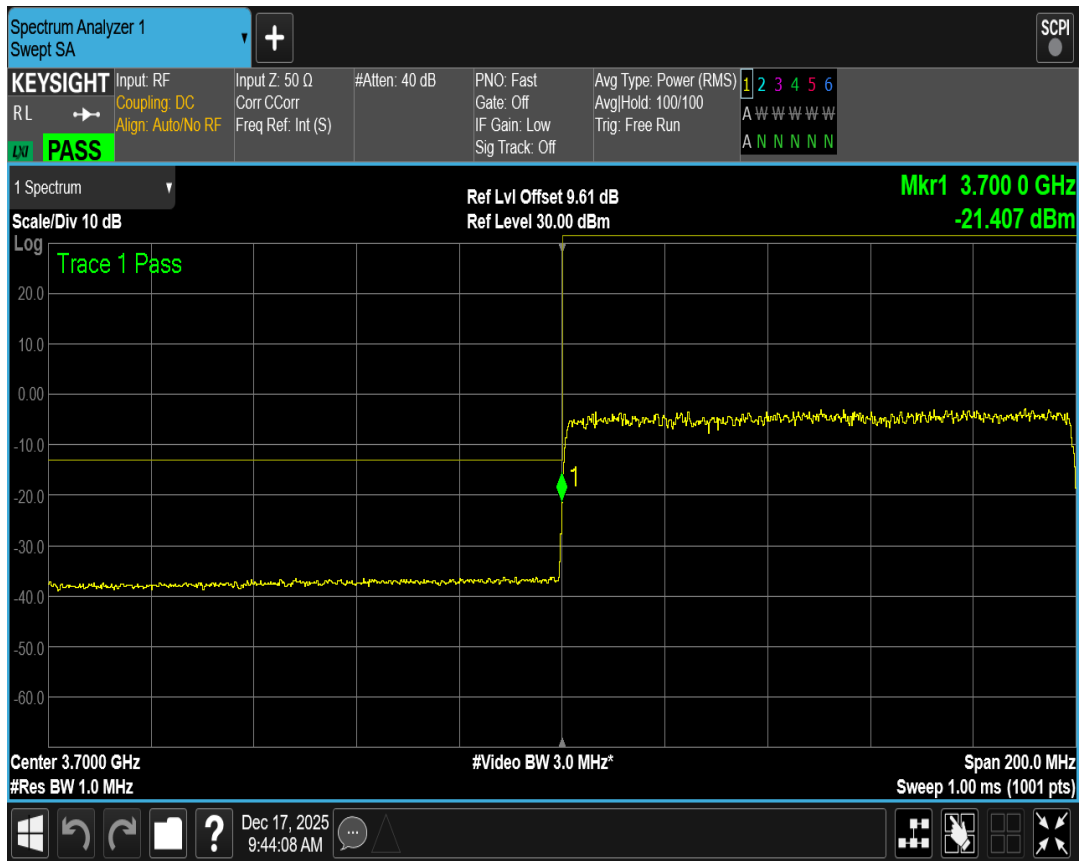
n77(3700-3980) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0



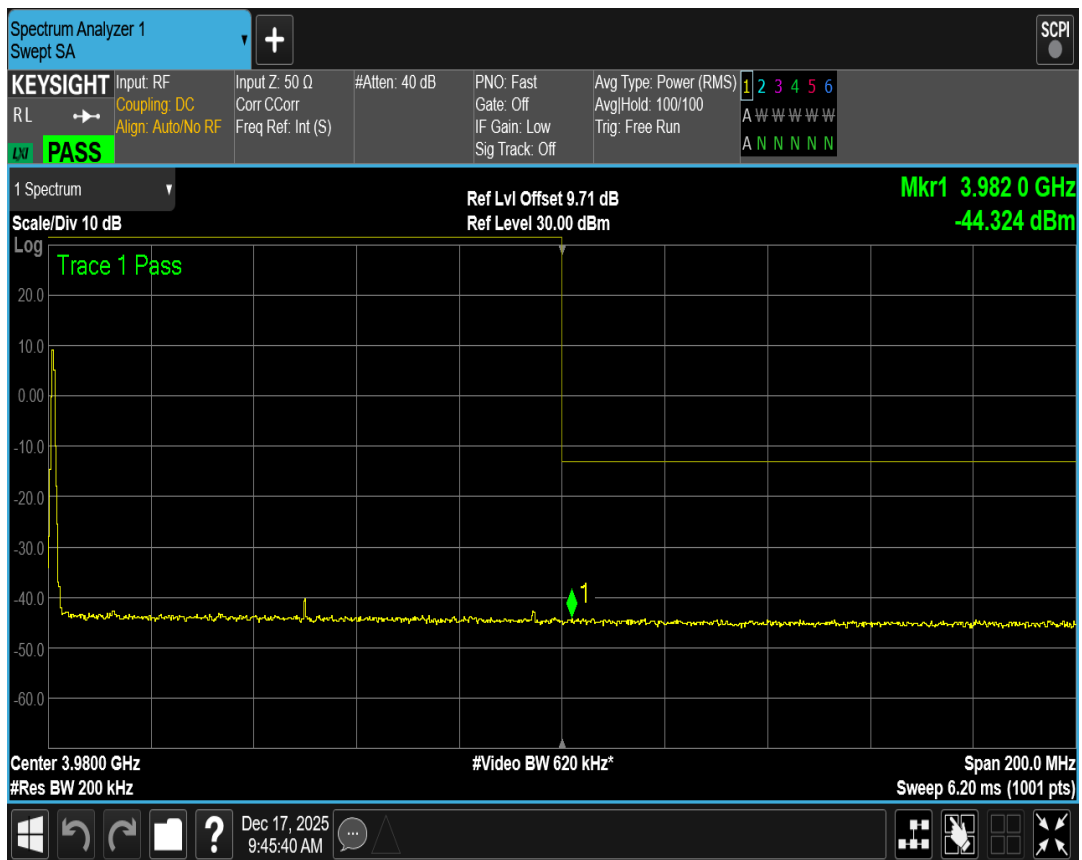
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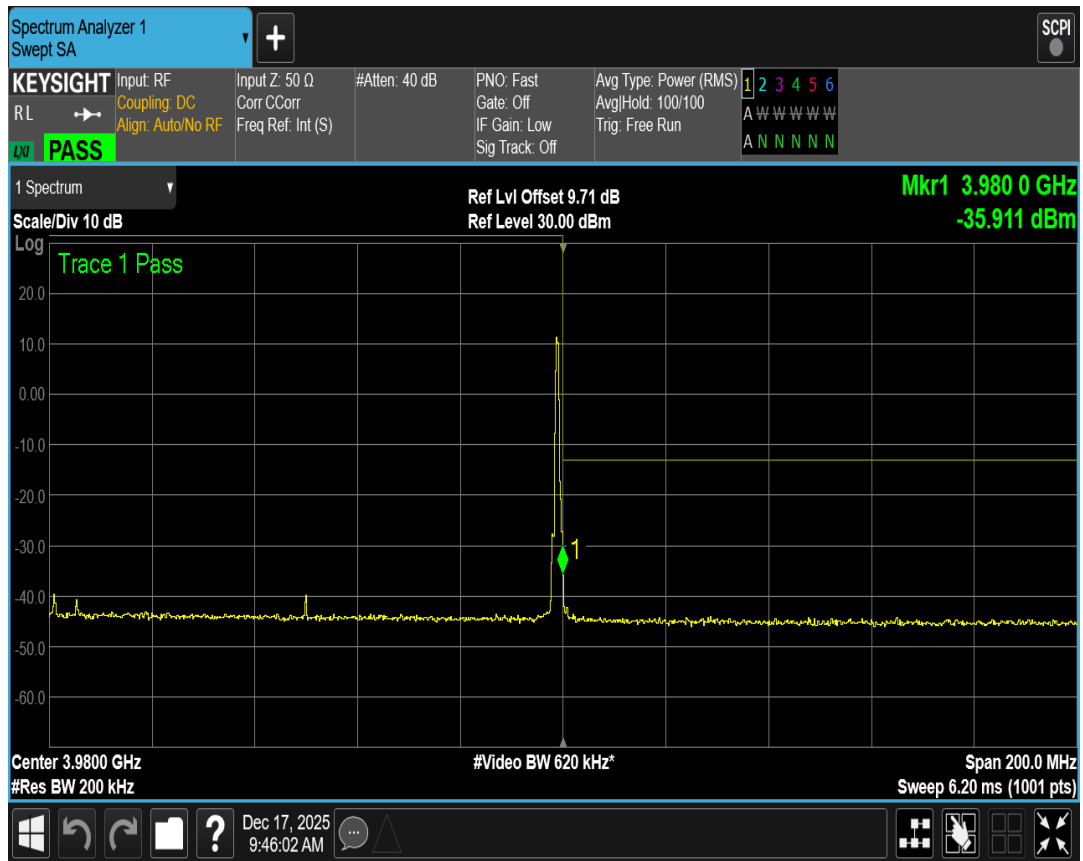
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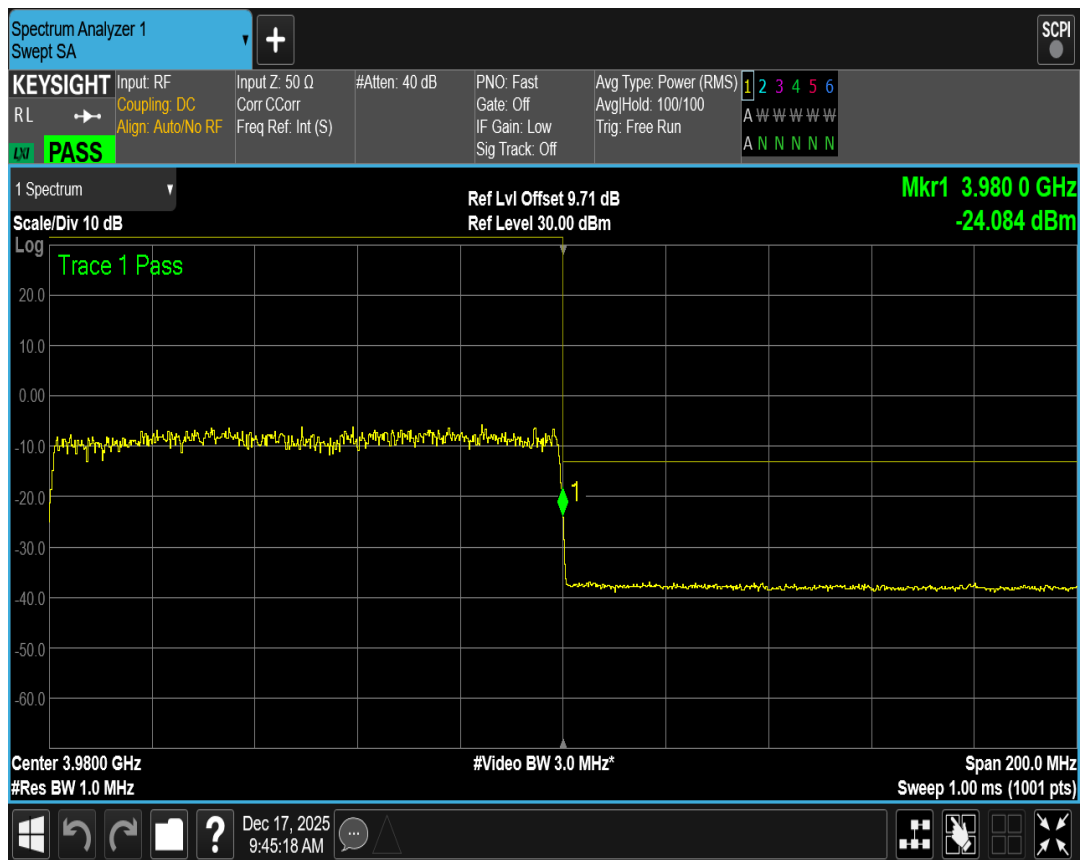
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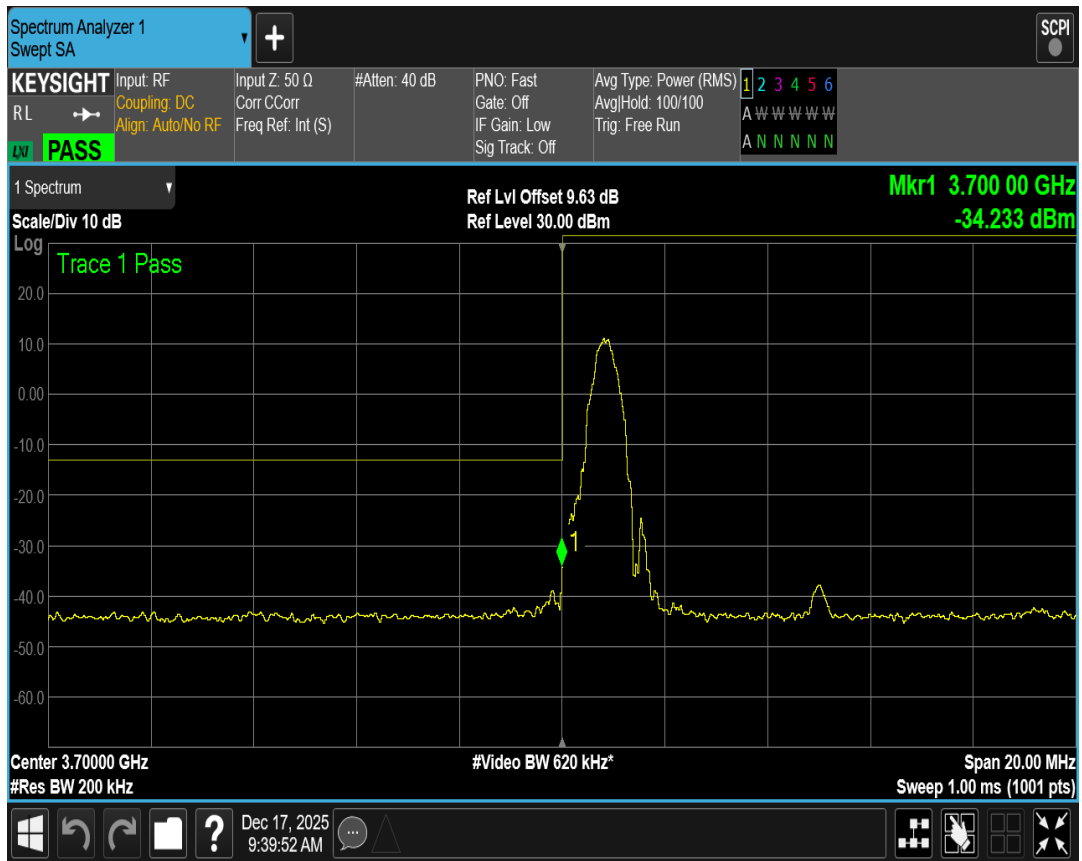
n77(3700-3980) SCS=30kHz CP_QPSK BW=100MHz Channel=662000 RB=1@272



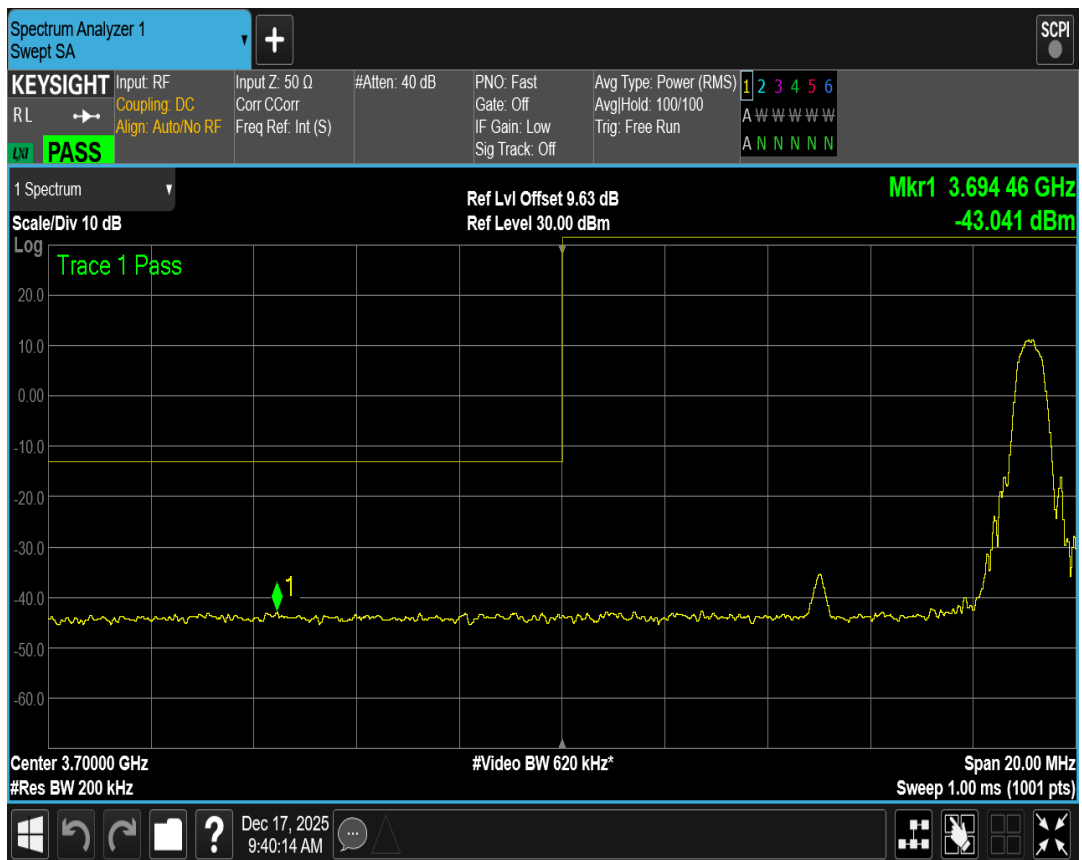
n77(3700-3980) SCS=30kHz CP_QPSK BW=100MHz Channel=662000 RB=273@0



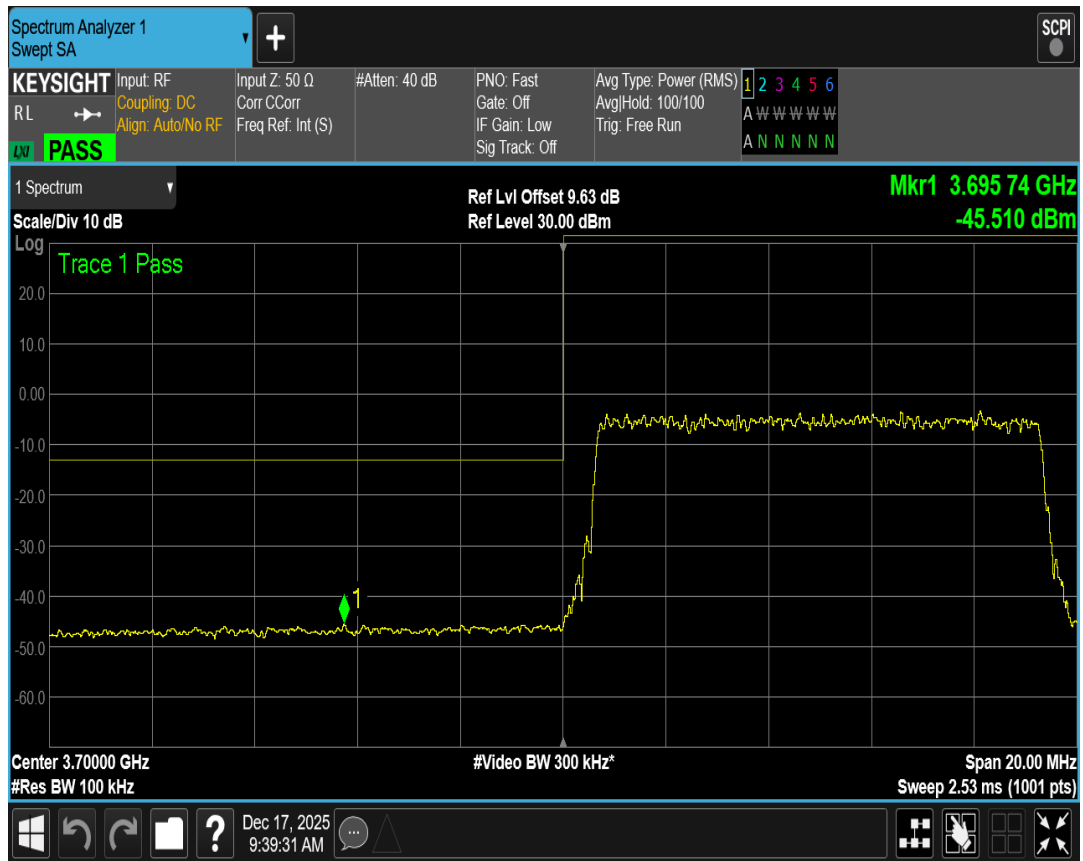
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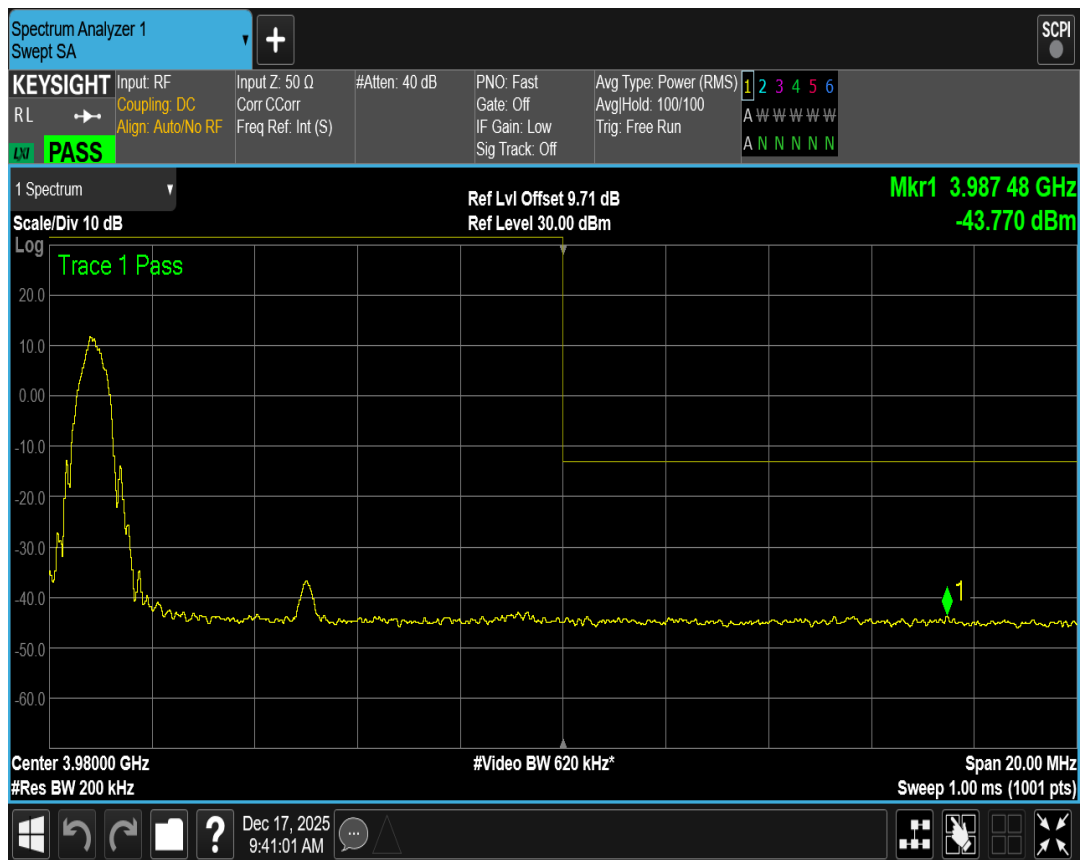
n77(3700-3980) SCS=30kHz CP_QPSK BW=10MHz Channel=647000 RB=1@23



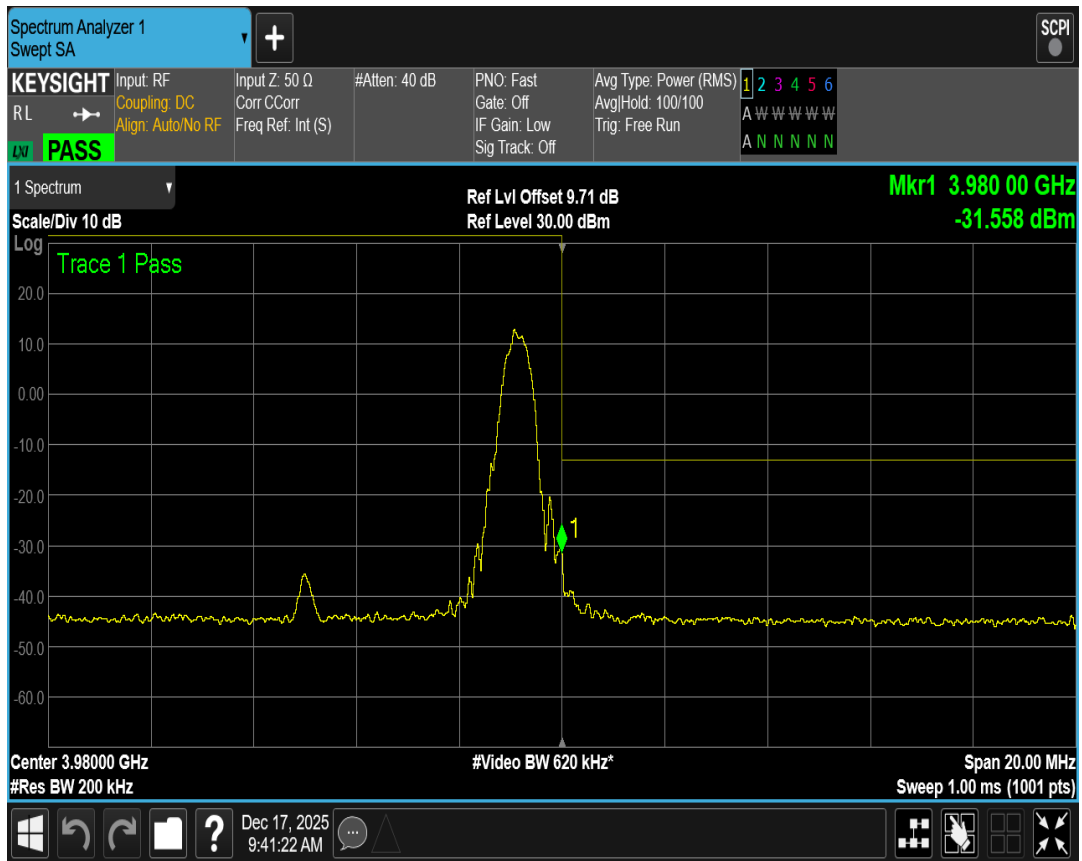
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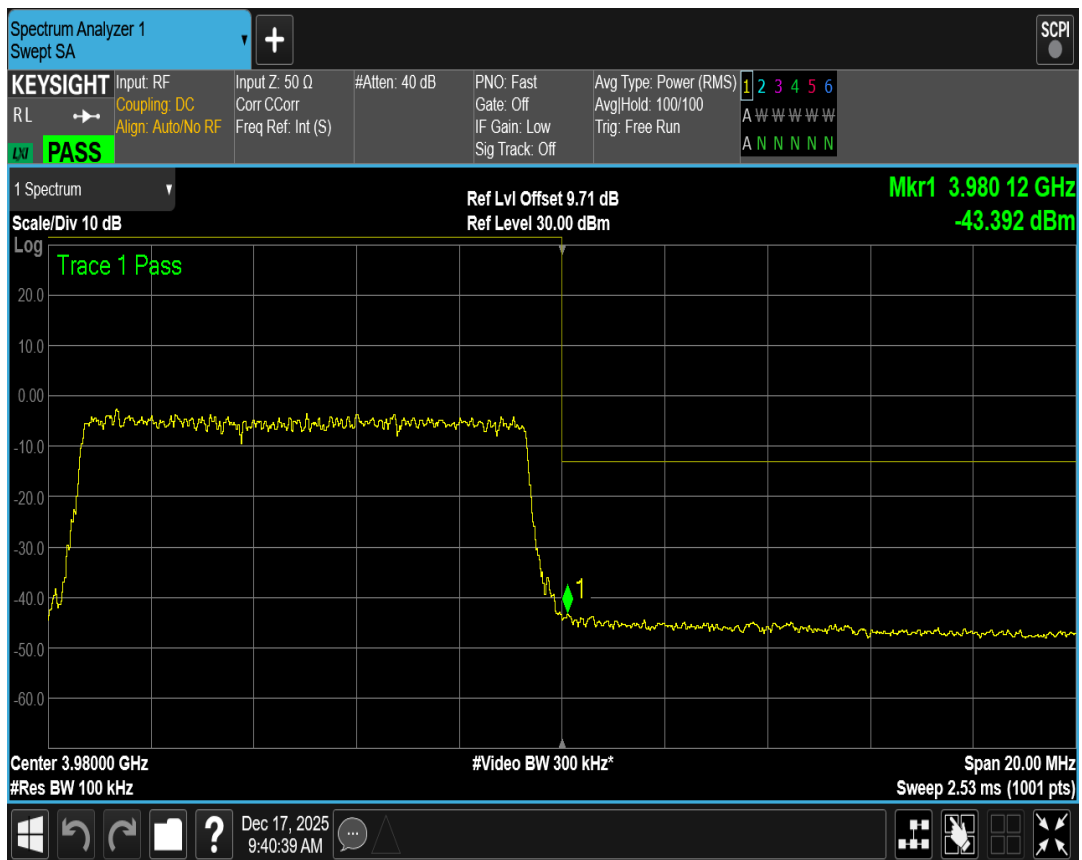
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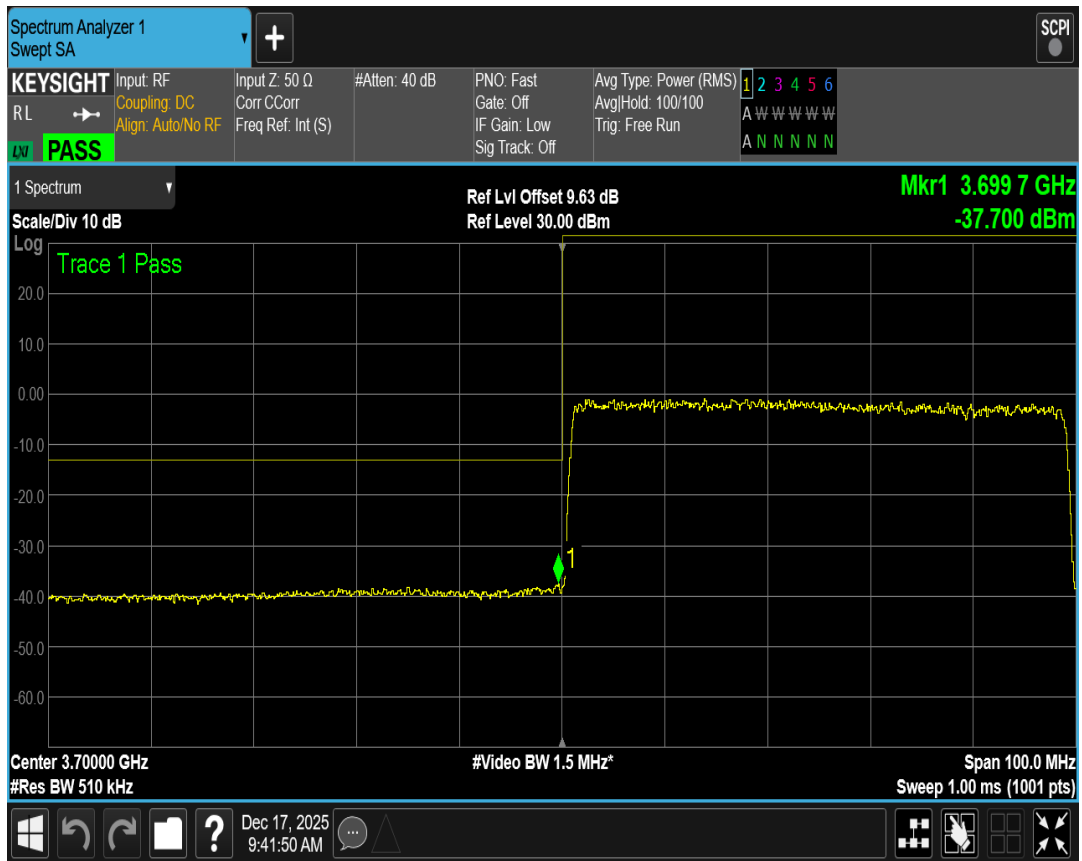
n77(3700-3980) SCS=30kHz CP_QPSK BW=10MHz Channel=665000 RB=1@23



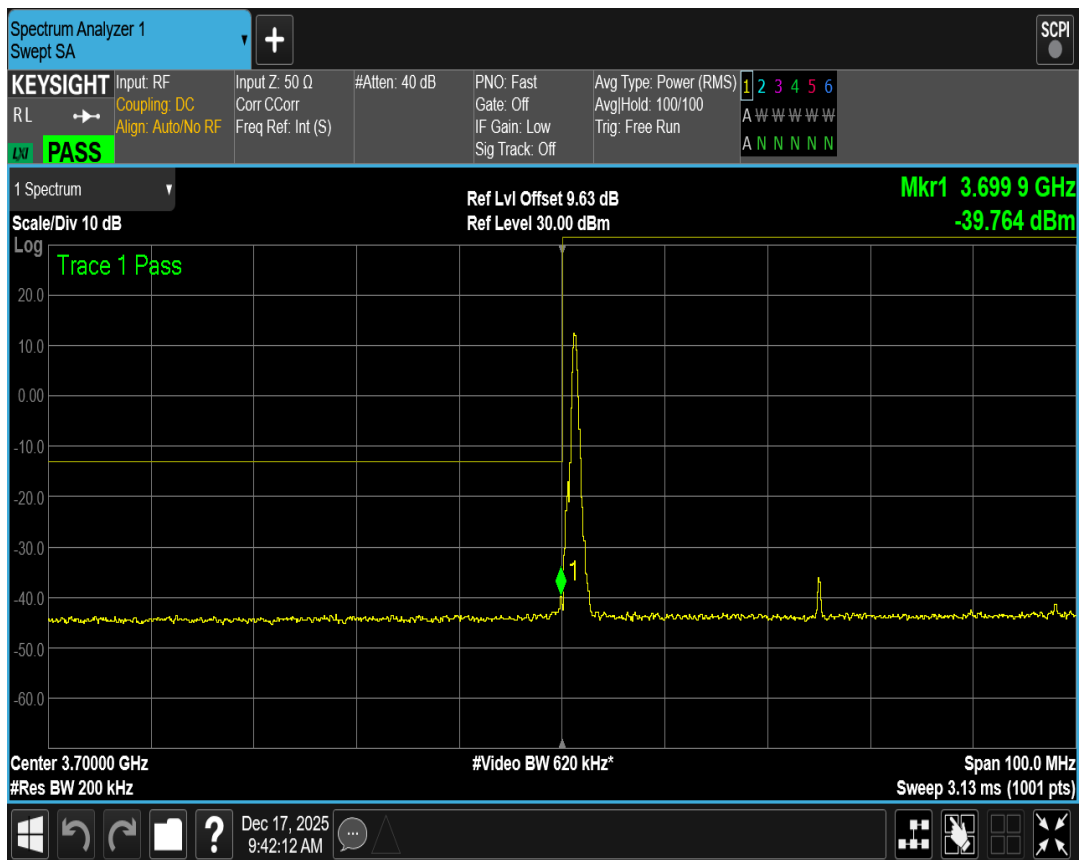
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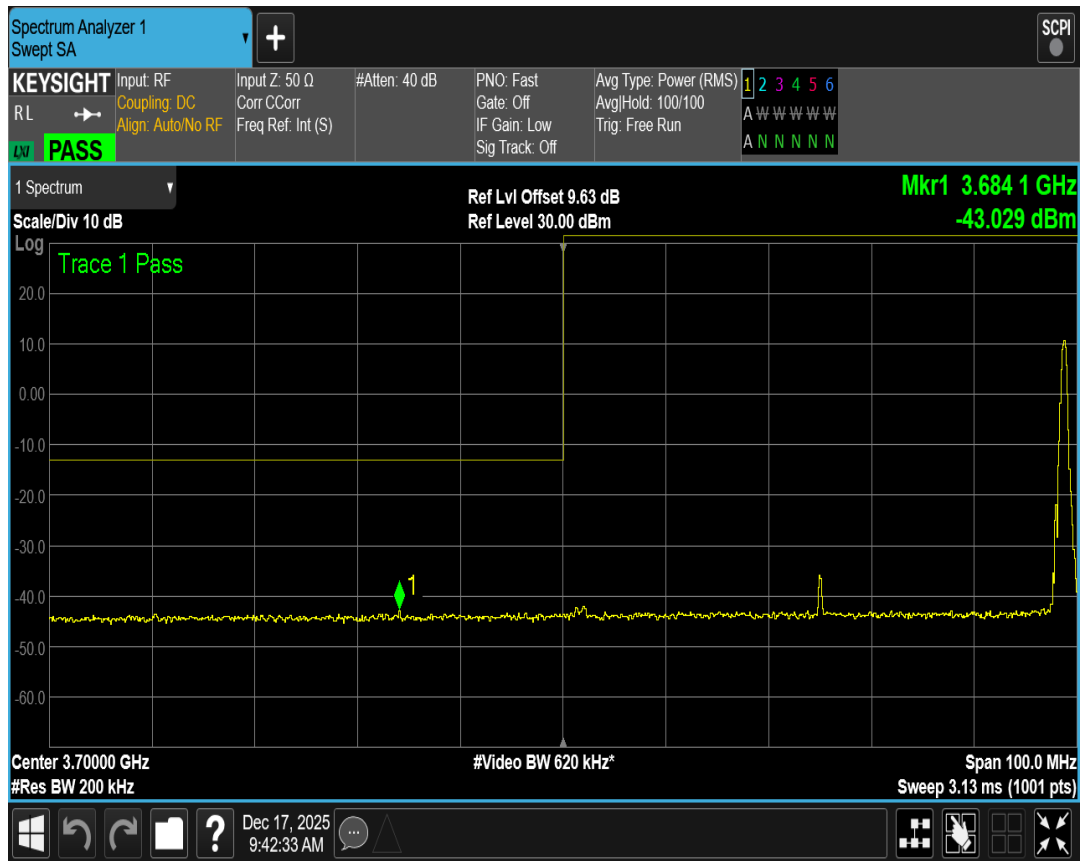
n77(3700-3980) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=133@0



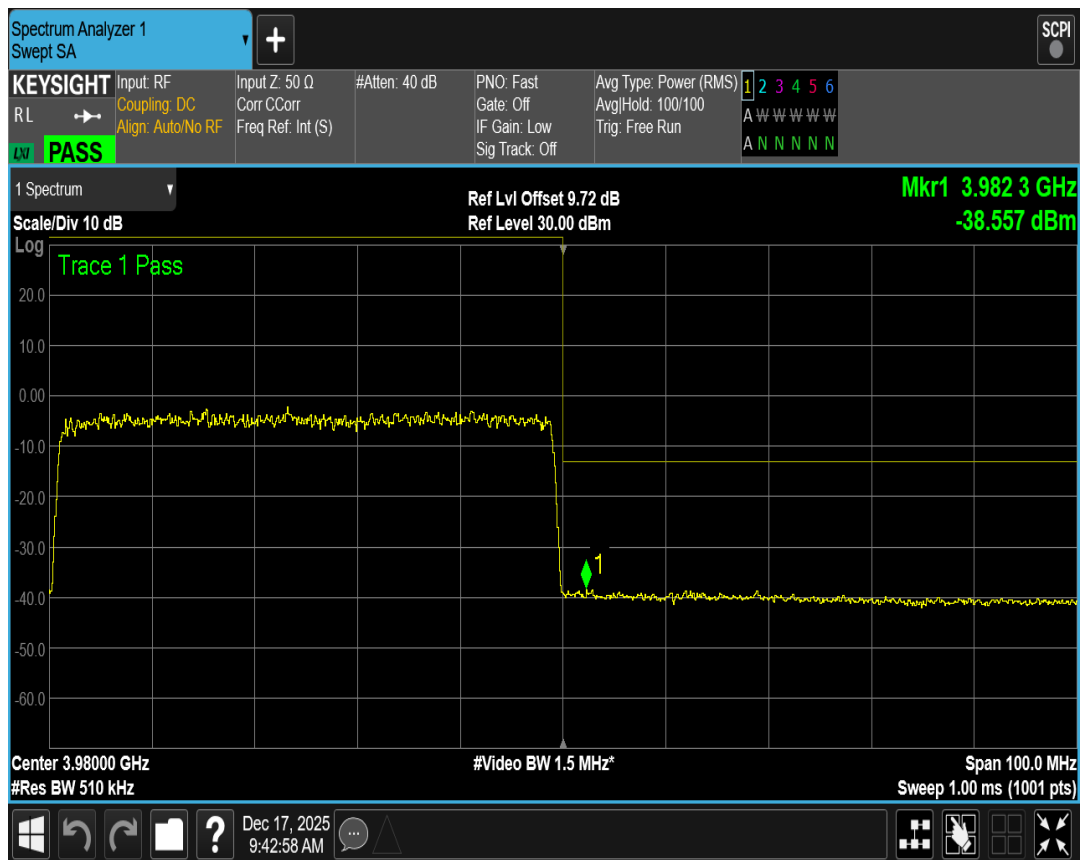
n77(3700-3980) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@0



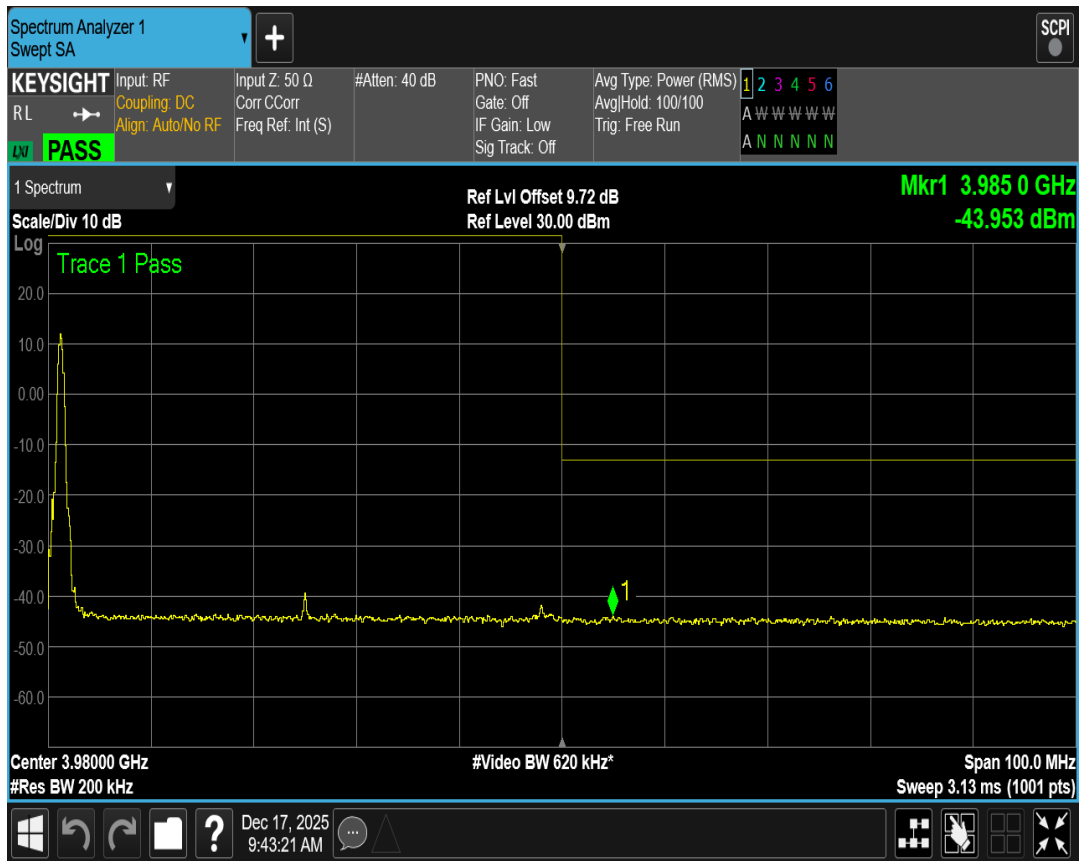
n77(3700-3980) SCS=30kHz CP_QPSK BW=50MHz Channel=648334 RB=1@132



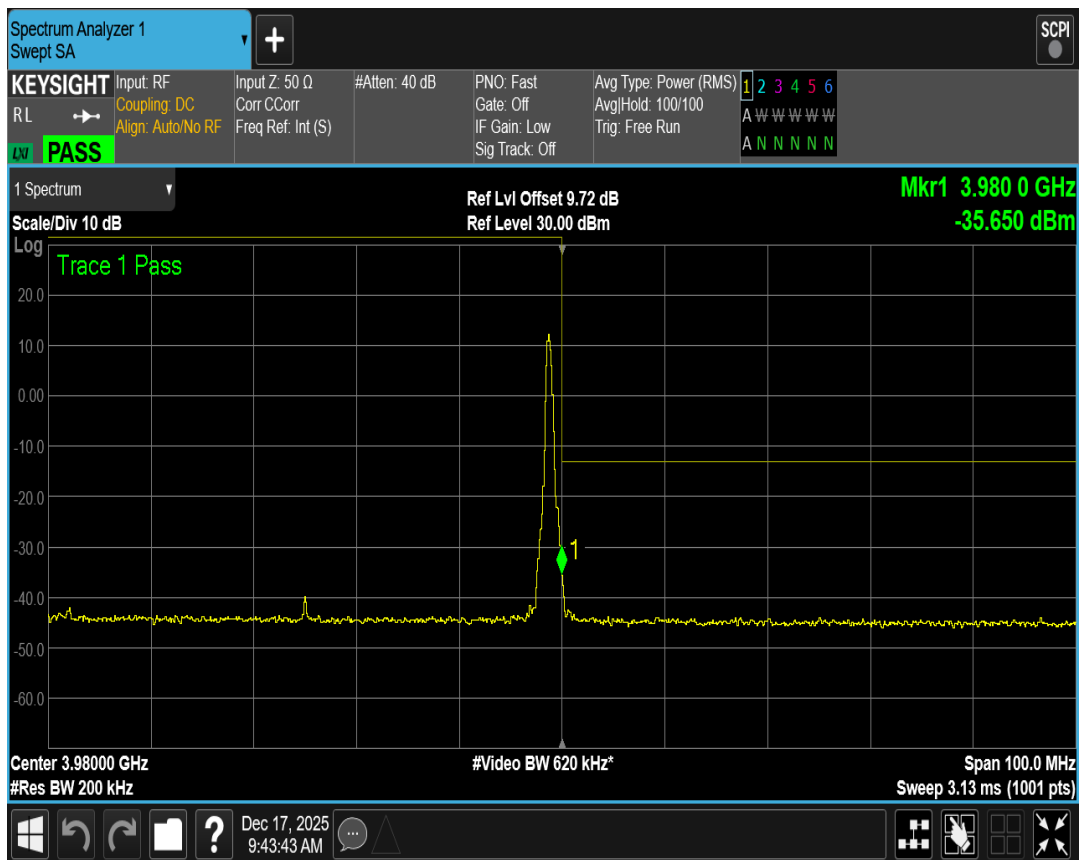
n77(3700-3980) SCS=30kHz CP_QPSK BW=50MHz Channel=663666 RB=133@0



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	38912.88	-27.92	-13	PASS
n77(3700-3980)	30	10	647000	1@0	CP_QPSK	38779.30	-27.53	-13	PASS
n77(3700-3980)	30	10	647000	1@23	CP_QPSK	38836.83	-27.67	-13	PASS
n77(3700-3980)	30	10	665000	24@0	CP_QPSK	38921.65	-27.13	-13	PASS
n77(3700-3980)	30	10	665000	1@0	CP_QPSK	38850.48	-27.19	-13	PASS
n77(3700-3980)	30	10	665000	1@23	CP_QPSK	38853.40	-27.02	-13	PASS
n77(3700-3980)	30	50	648334	133@0	CP_QPSK	38905.08	-27.00	-13	PASS
n77(3700-3980)	30	50	648334	1@0	CP_QPSK	38791.00	-27.45	-13	PASS
n77(3700-3980)	30	50	648334	1@132	CP_QPSK	36457.83	-27.37	-13	PASS
n77(3700-3980)	30	50	663666	133@0	CP_QPSK	39017.20	-27.37	-13	PASS
n77(3700-3980)	30	50	663666	1@0	CP_QPSK	36060.03	-26.97	-13	PASS
n77(3700-3980)	30	50	663666	1@132	CP_QPSK	38892.40	-27.81	-13	PASS
n77(3700-3980)	30	100	650000	273@0	CP_QPSK	39090.33	-27.78	-13	PASS
n77(3700-3980)	30	100	650000	1@0	CP_QPSK	38910.93	-27.86	-13	PASS
n77(3700-3980)	30	100	650000	1@272	CP_QPSK	38771.50	-28.09	-13	PASS
n77(3700-3980)	30	100	662000	273@0	CP_QPSK	39250.23	-27.26	-13	PASS
n77(3700-3980)	30	100	662000	1@0	CP_QPSK	38917.75	-27.06	-13	PASS
n77(3700-3980)	30	100	662000	1@272	CP_QPSK	38828.05	-27.47	-13	PASS

n77(3700-3980) SCS=30kHz CP_QPSK BW=100MHz Channel=650000 RB=1@0