

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=100MHz Channel=633334 RB=270@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=633334 RB=24@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=633334 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=20MHz Channel=633334 RB=50@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=633334 RB=75@0



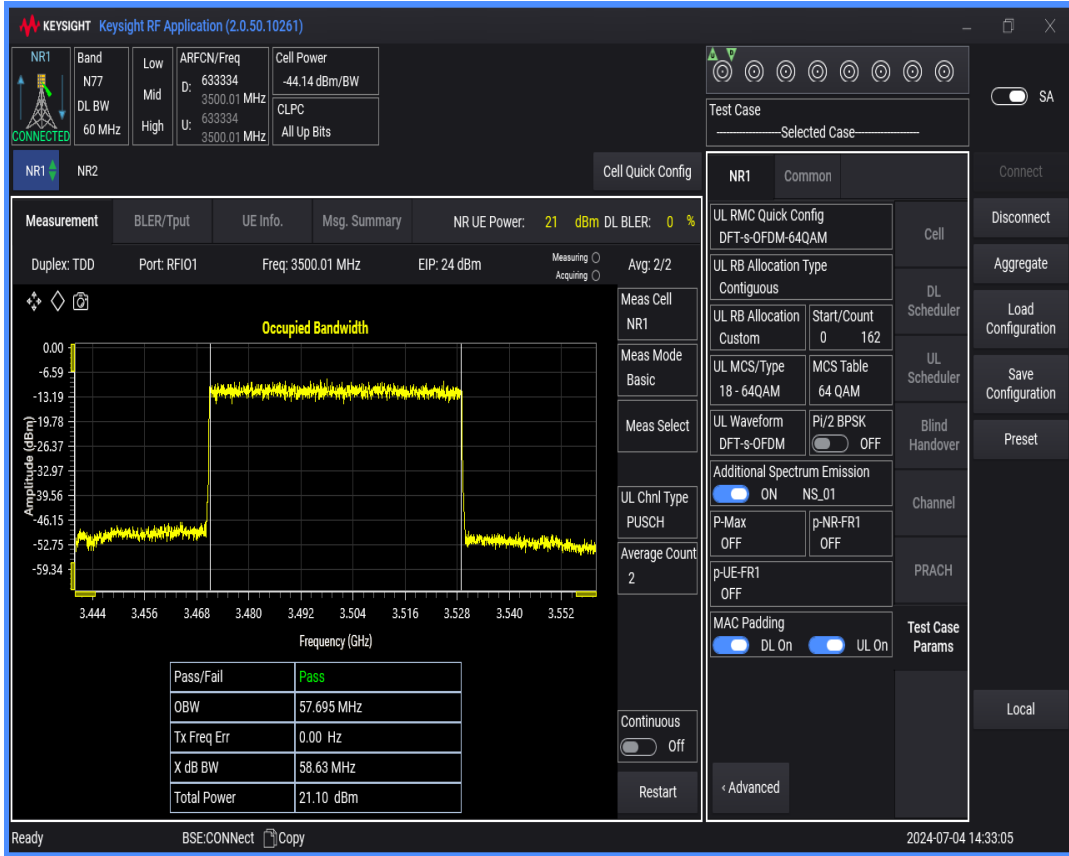
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n77(3450-3550) SCS=30kHz DFT_QAM64 BW=50MHz Channel=633334 RB=128@0



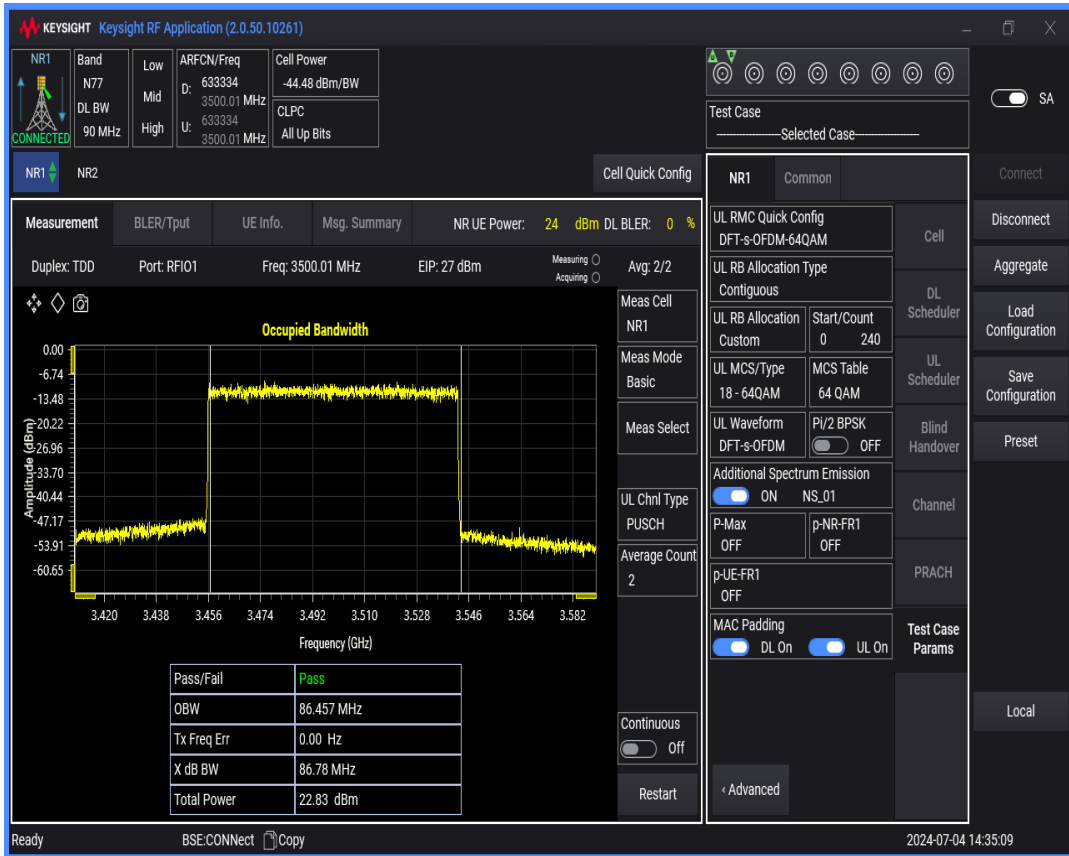
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n77(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0



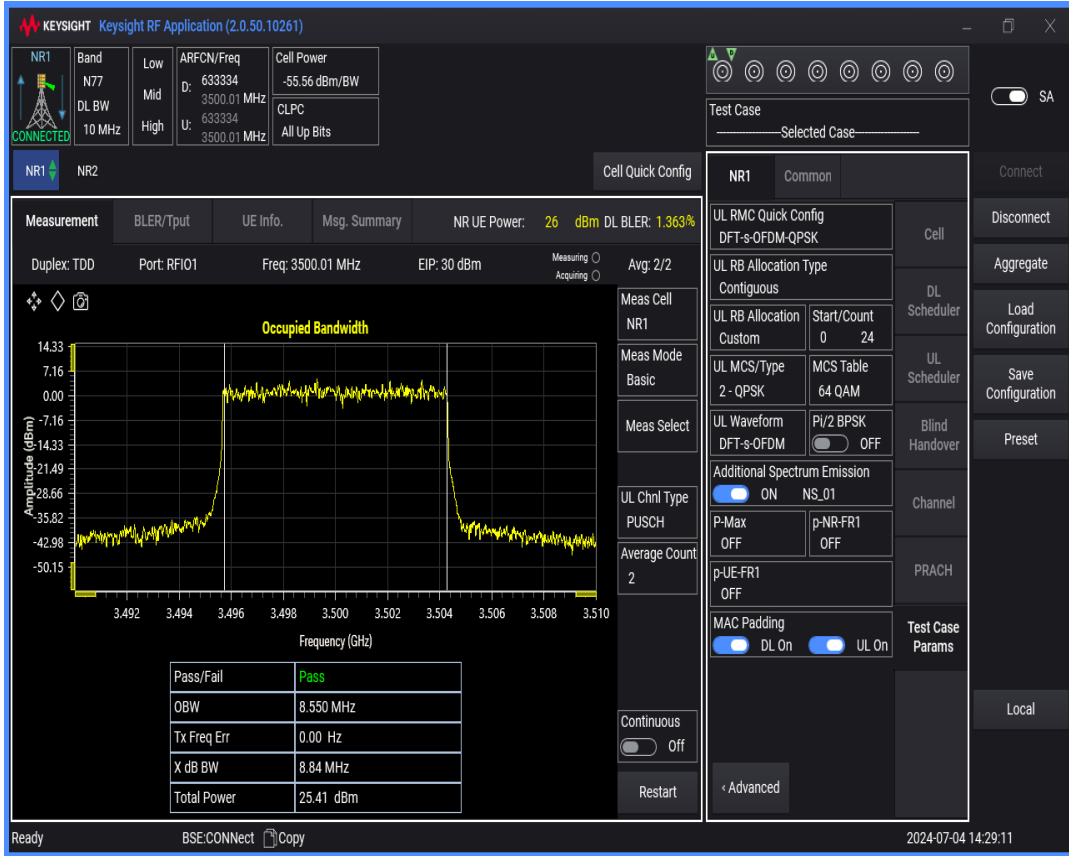
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n77(3450-3550) SCS=30kHz DFT_QPSK BW=100MHz Channel=633334 RB=270 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 RB=24 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=633334 RB=50 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100 @0



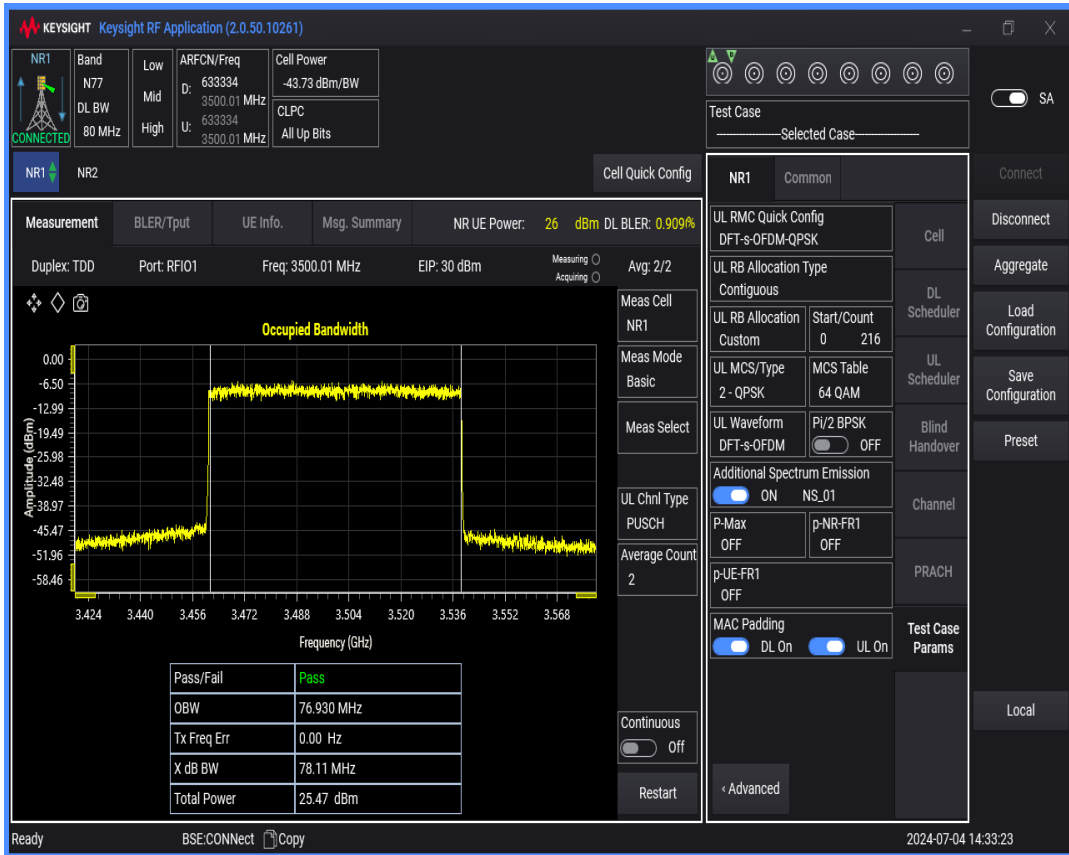
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n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0

KEYSIGHT Keysight RF Application (2.0.50.10261)

NR1

Band	N77	Low	ARFCN/Freq	Cell Power
DL BW	90 MHz	Mid	D: 633334	-44.48 dBm/BW
		High	U: 633334	CLPC
				All Up Bits

NR2

Test Case

Selected Case

SA

Connect

Disconnect

Aggregate

Load Configuration

Save Configuration

Preset

Channel

PRACH

Test Case Params

Local

Measurement

BLER/Tput UE Info. Msg. Summary NR UE Power: **26 dBm** DL BLER: **0.454%**

Duplex: TDD Port: RFIO1 Freq: 3500.01 MHz EIP: 30 dBm Measuring Acquiring Avg: 2/2

Occupied Bandwidth

Pass/Fail	Pass
OBW	86.309 MHz
Tx Freq Err	0.00 Hz
X dB BW	86.75 MHz
Total Power	25.56 dBm

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 On UL On

Test Case Params

Advanced

Ready

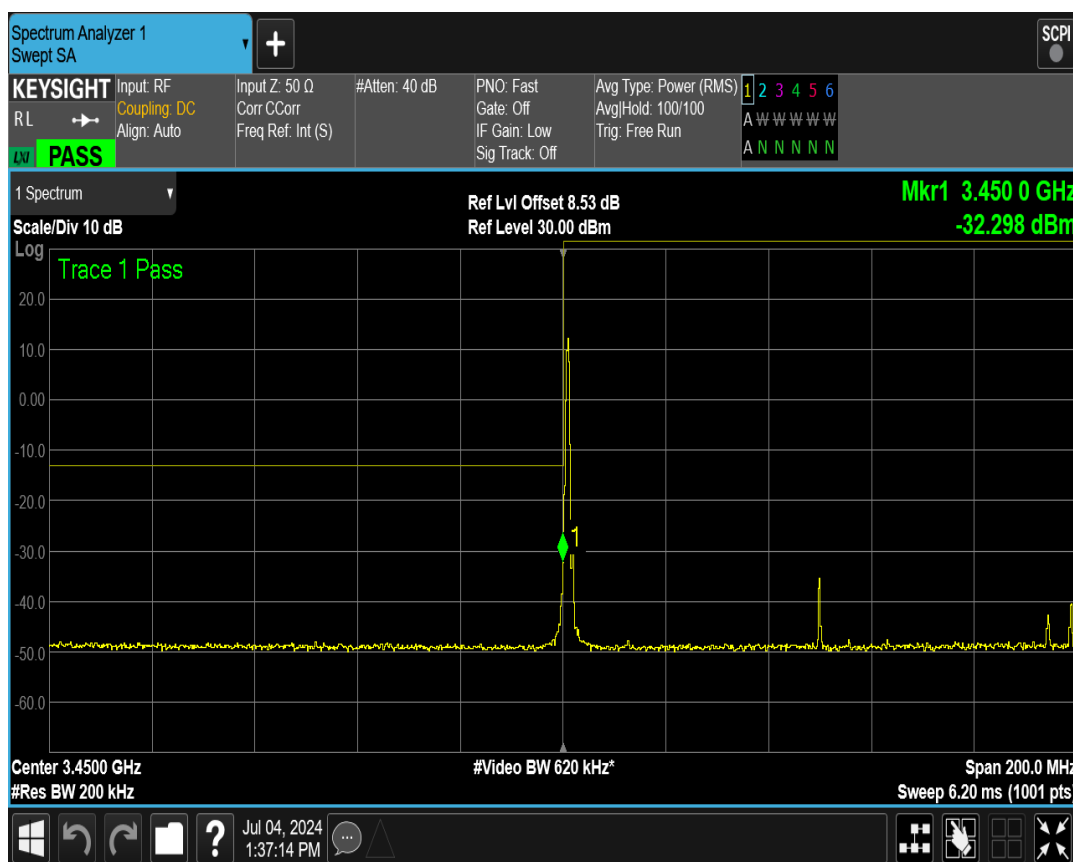
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2024-07-04 14:35:01

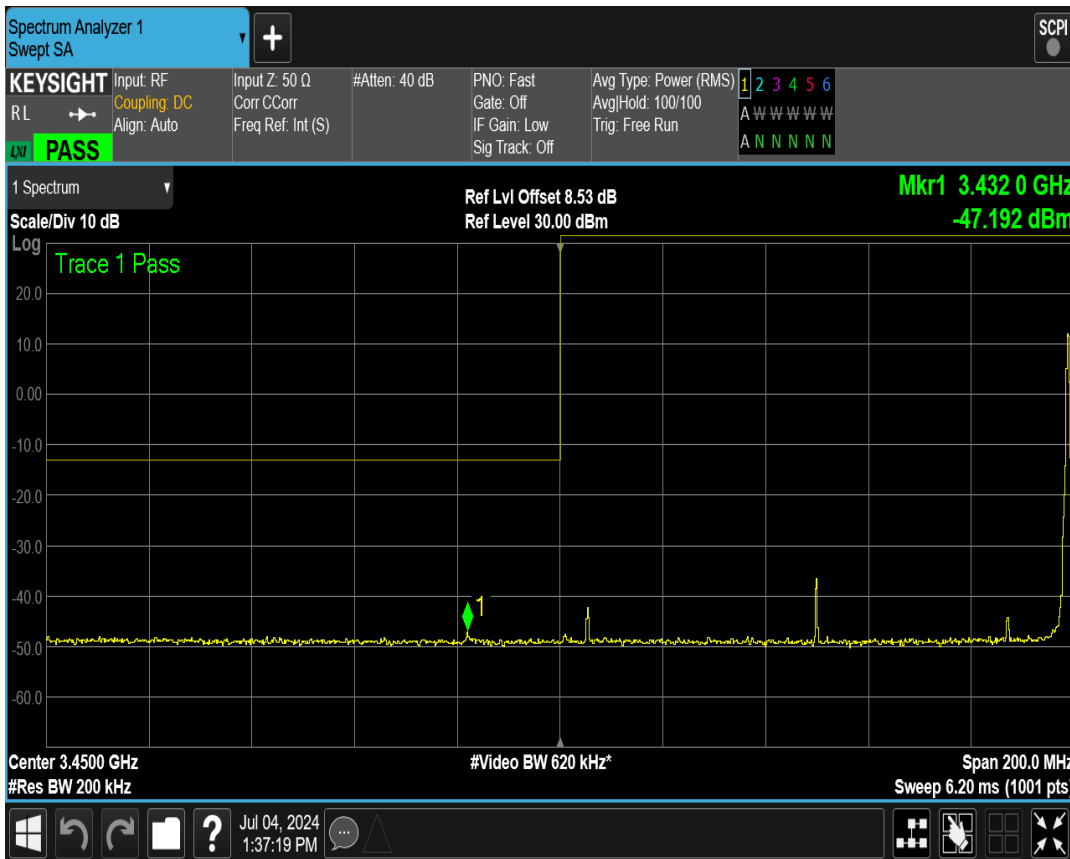
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	3449.16	-37.09	-13	PASS
n77(3450-3550)	30	10	630334	1@0	CP_QPSK	3450.00	-27.93	-13	PASS
n77(3450-3550)	30	10	630334	1@23	CP_QPSK	3444.42	-44.82	-13	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	3550.22	-36.37	-13	PASS
n77(3450-3550)	30	10	636332	1@0	CP_QPSK	3555.48	-47.33	-13	PASS
n77(3450-3550)	30	10	636332	1@23	CP_QPSK	3550.00	-38.04	-13	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	3450.00	-34.99	-13	PASS
n77(3450-3550)	30	50	631668	1@0	CP_QPSK	3450.00	-37.72	-13	PASS
n77(3450-3550)	30	50	631668	1@132	CP_QPSK	3440.40	-47.77	-13	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	3558.10	-32.63	-13	PASS
n77(3450-3550)	30	50	635000	1@0	CP_QPSK	3559.70	-47.31	-13	PASS
n77(3450-3550)	30	50	635000	1@132	CP_QPSK	3550.10	-37.31	-13	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	3450.00	-24.73	-13	PASS
n77(3450-3550)	30	100	633334	1@0	CP_QPSK	3450.00	-32.29	-13	PASS
n77(3450-3550)	30	100	633334	1@272	CP_QPSK	3432.00	-47.19	-13	PASS

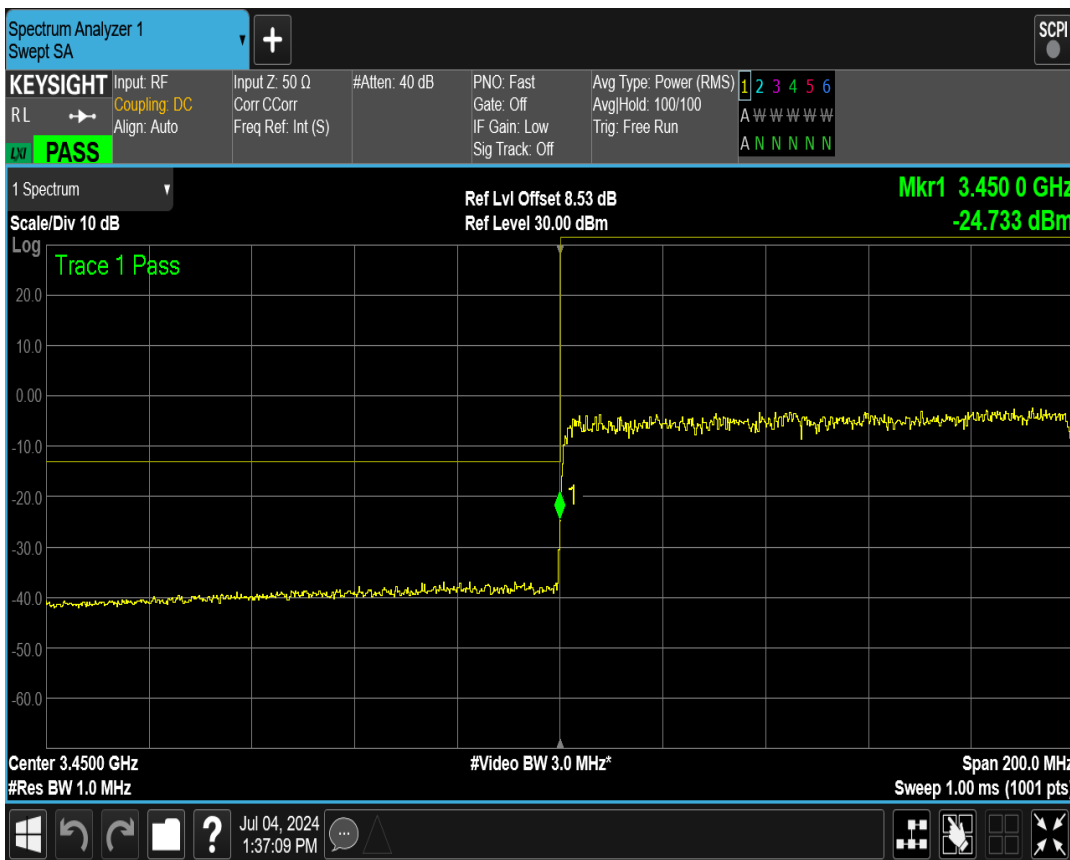
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@0



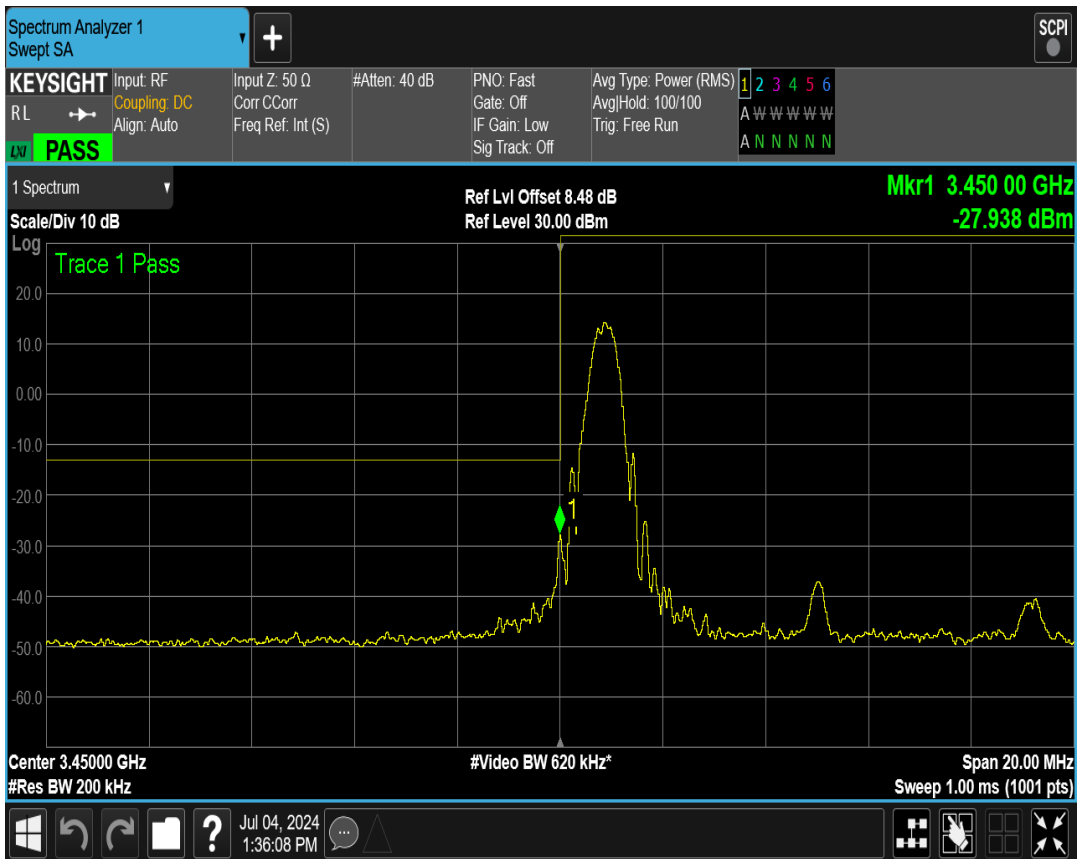
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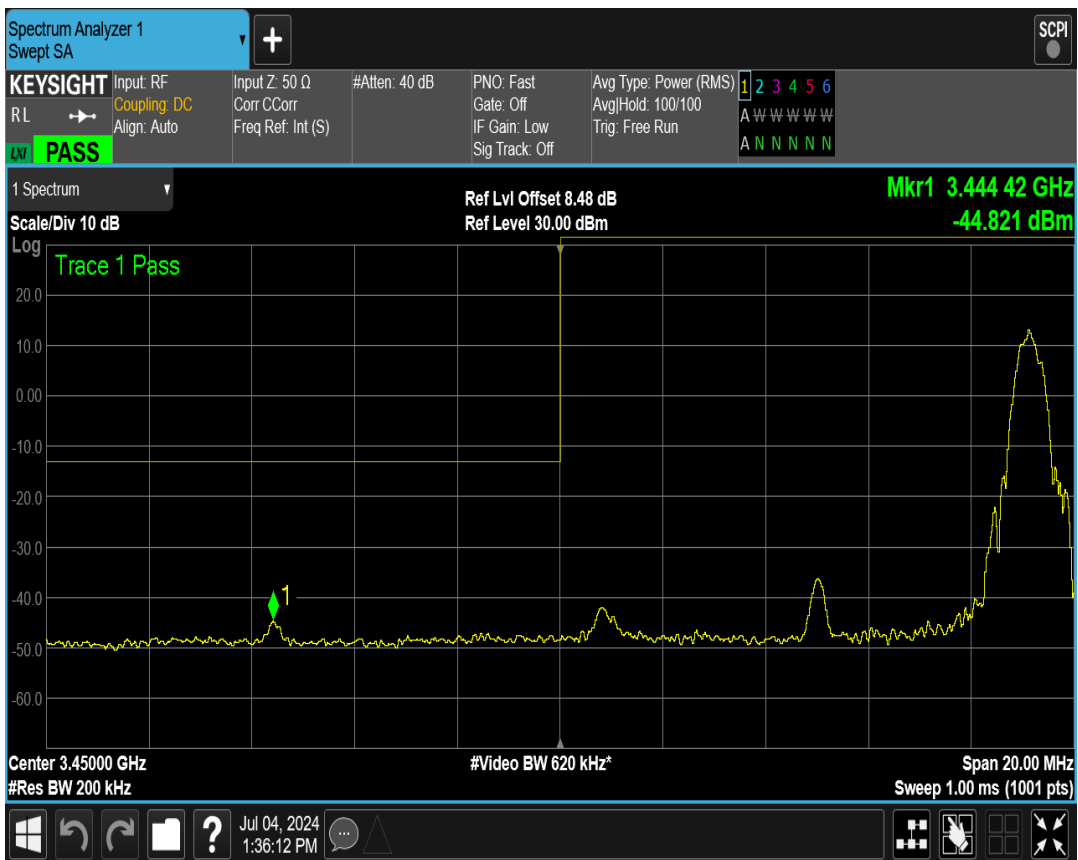
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



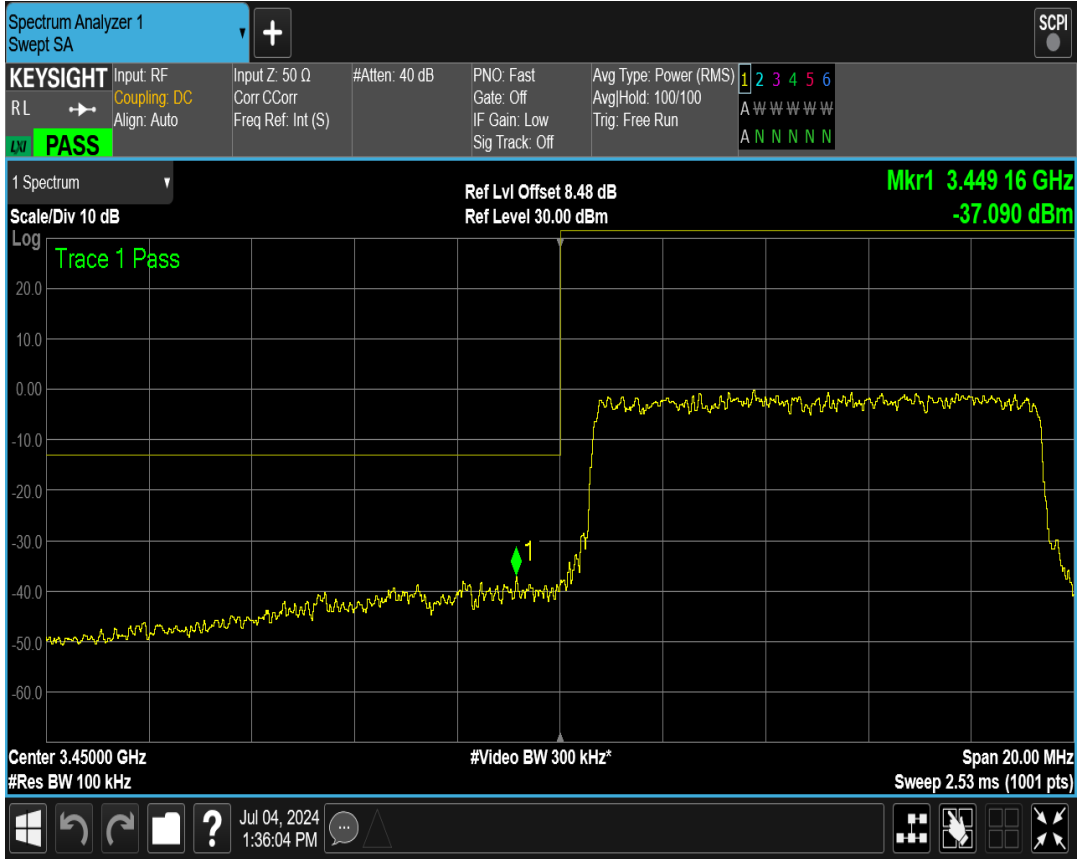
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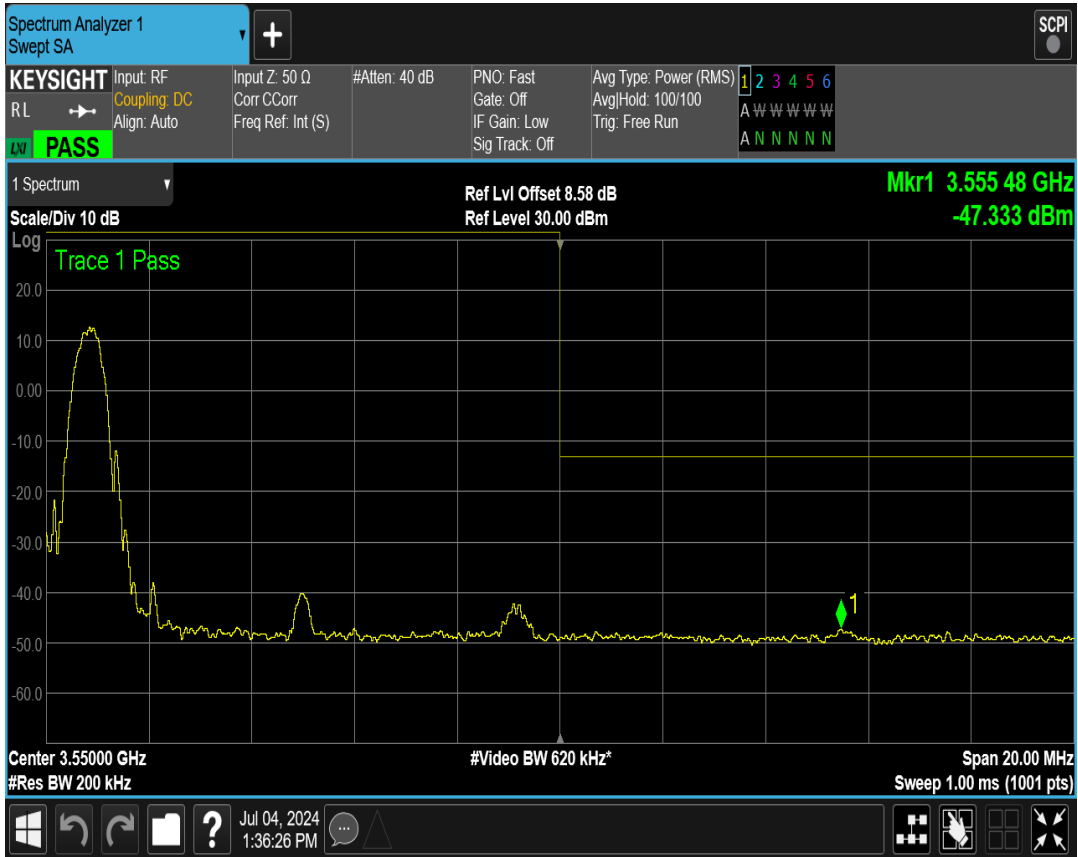
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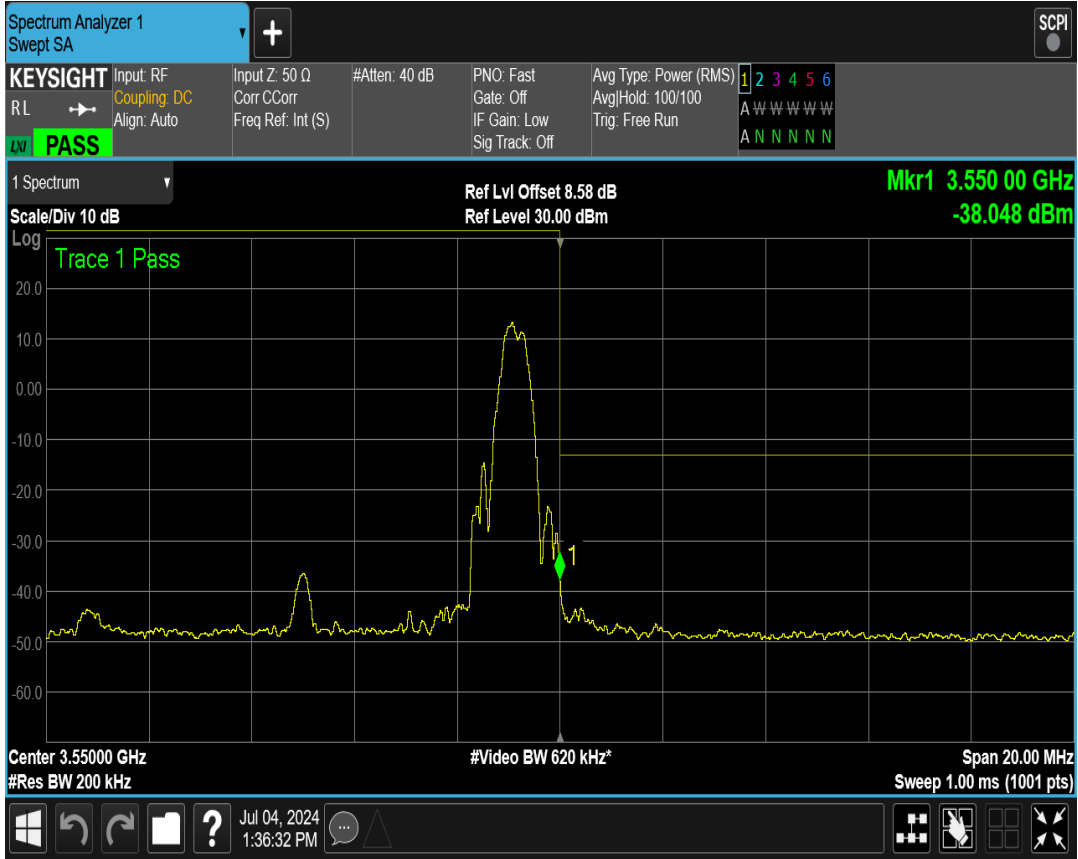
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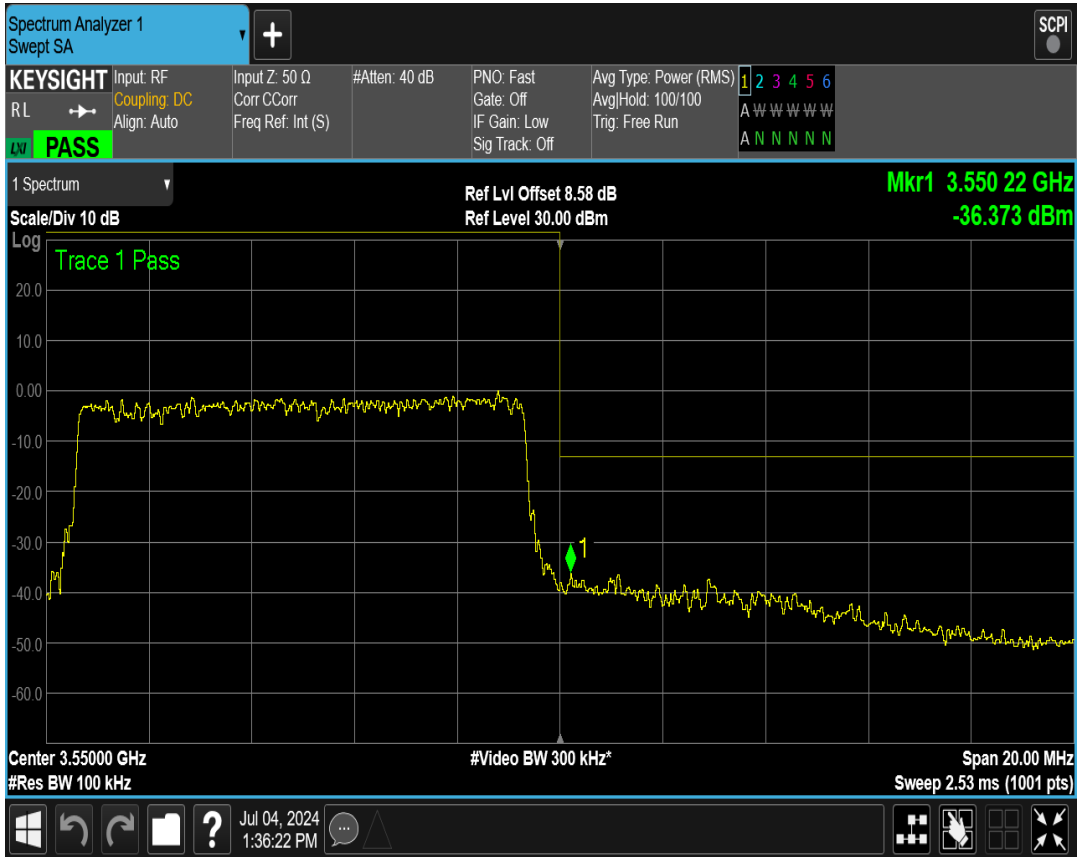
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1 @0



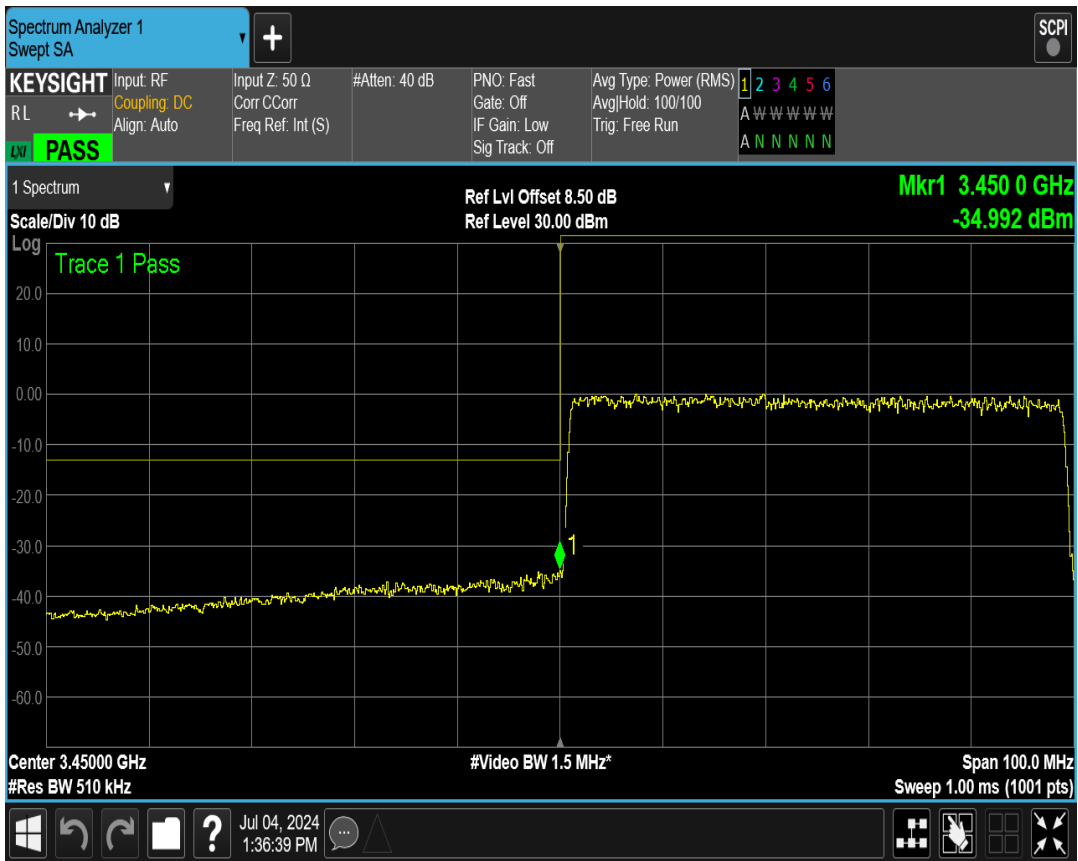
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1 @23



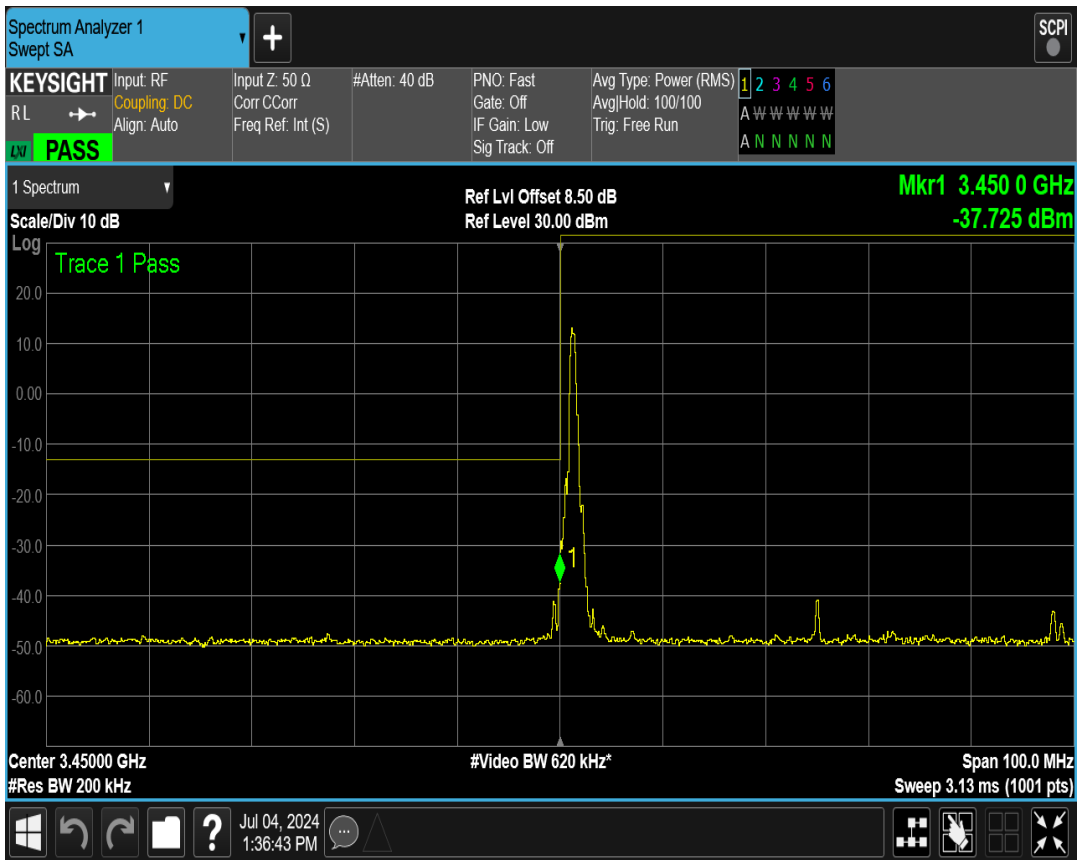
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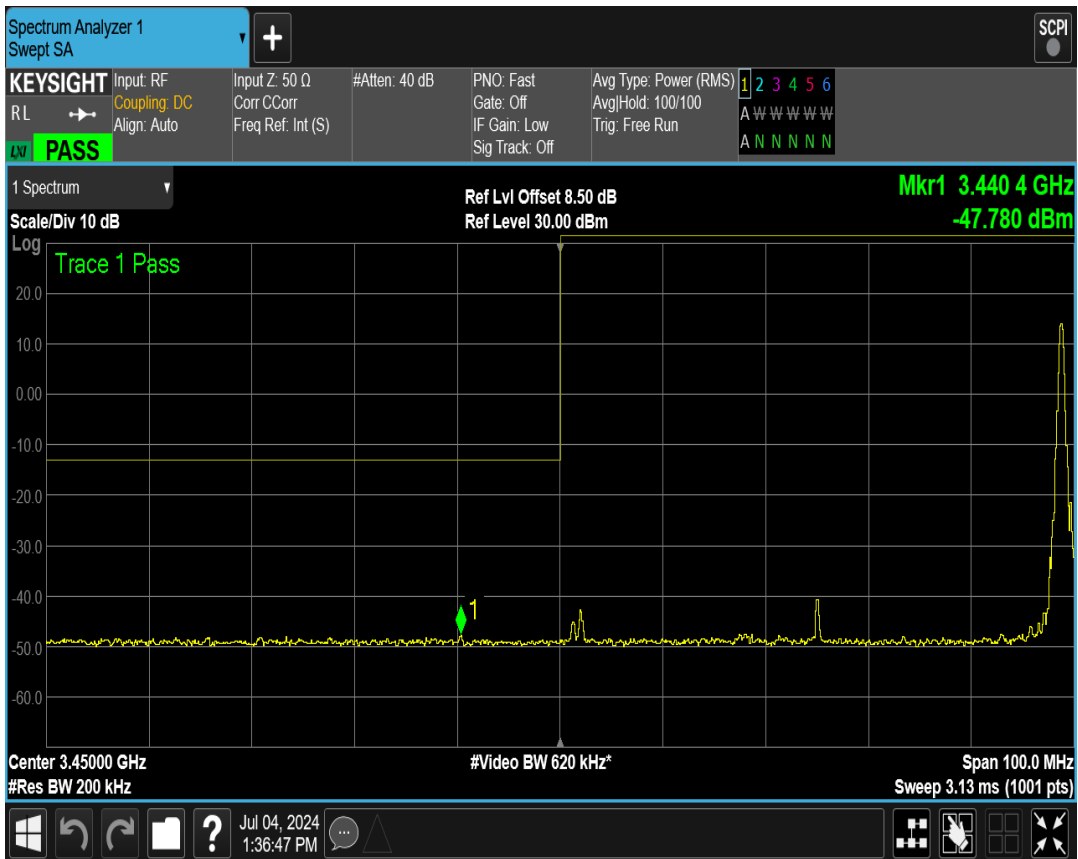
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=133 @0



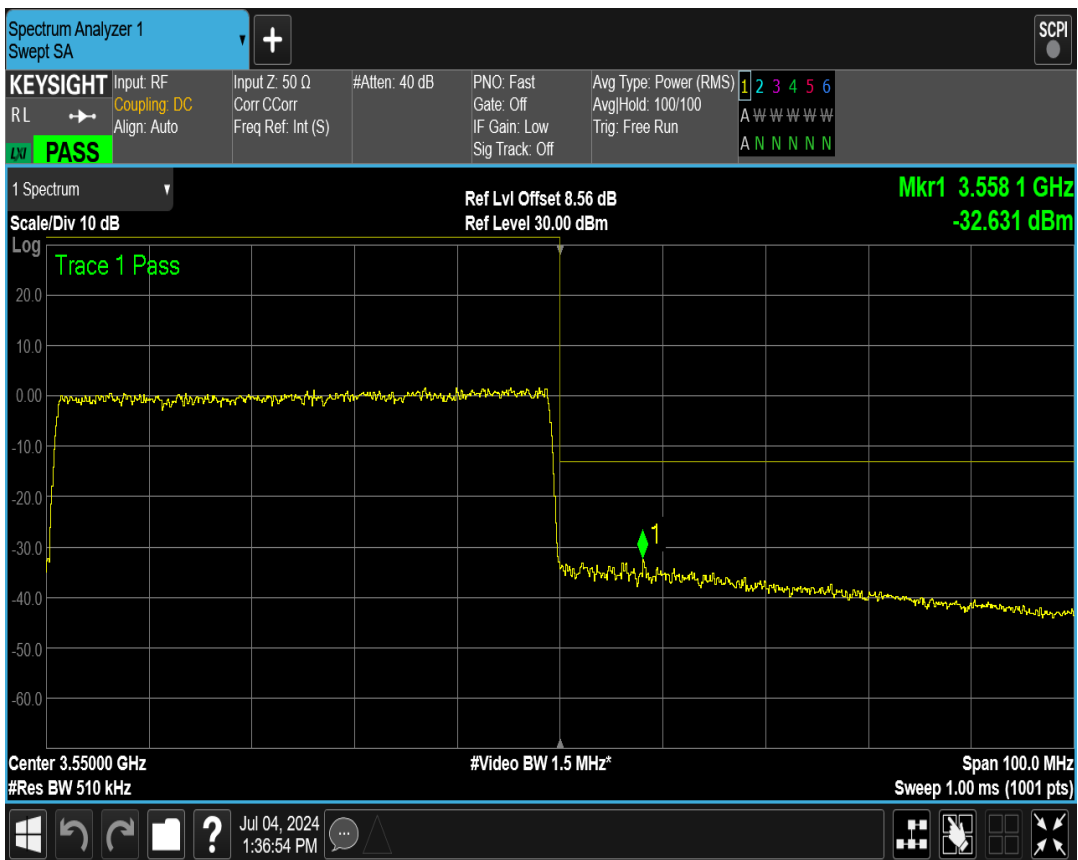
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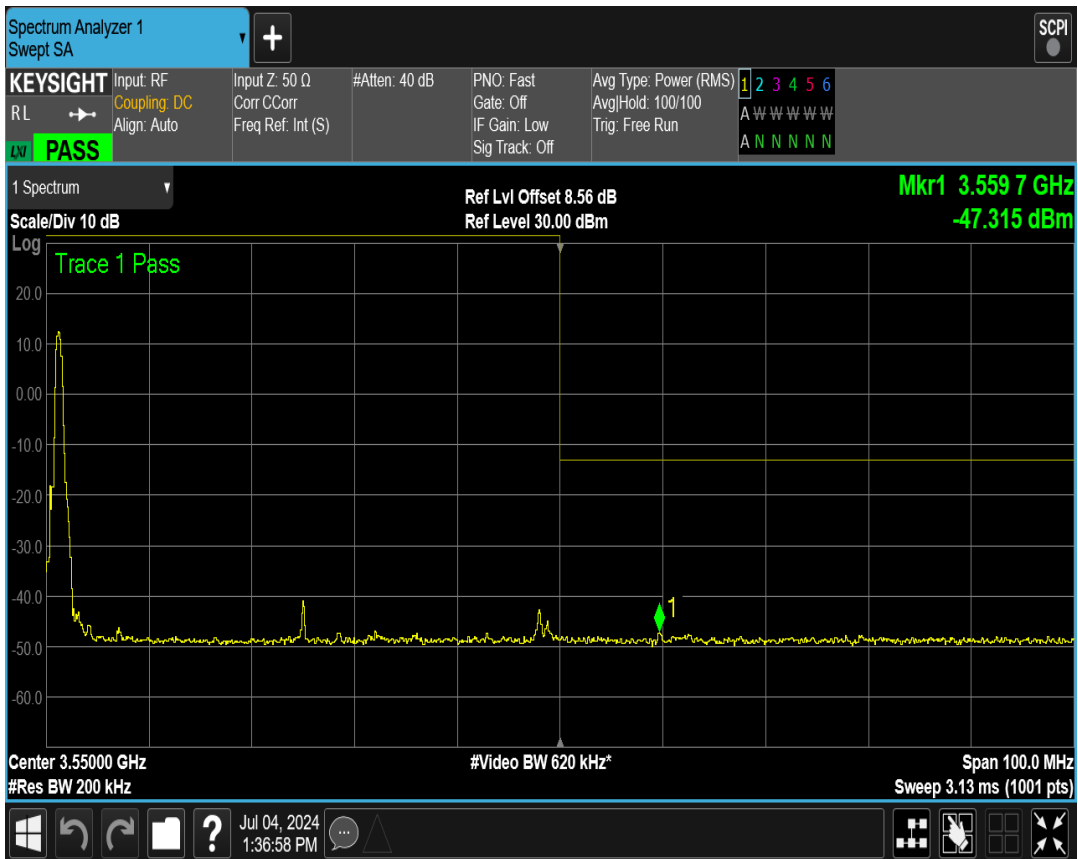
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1 @132



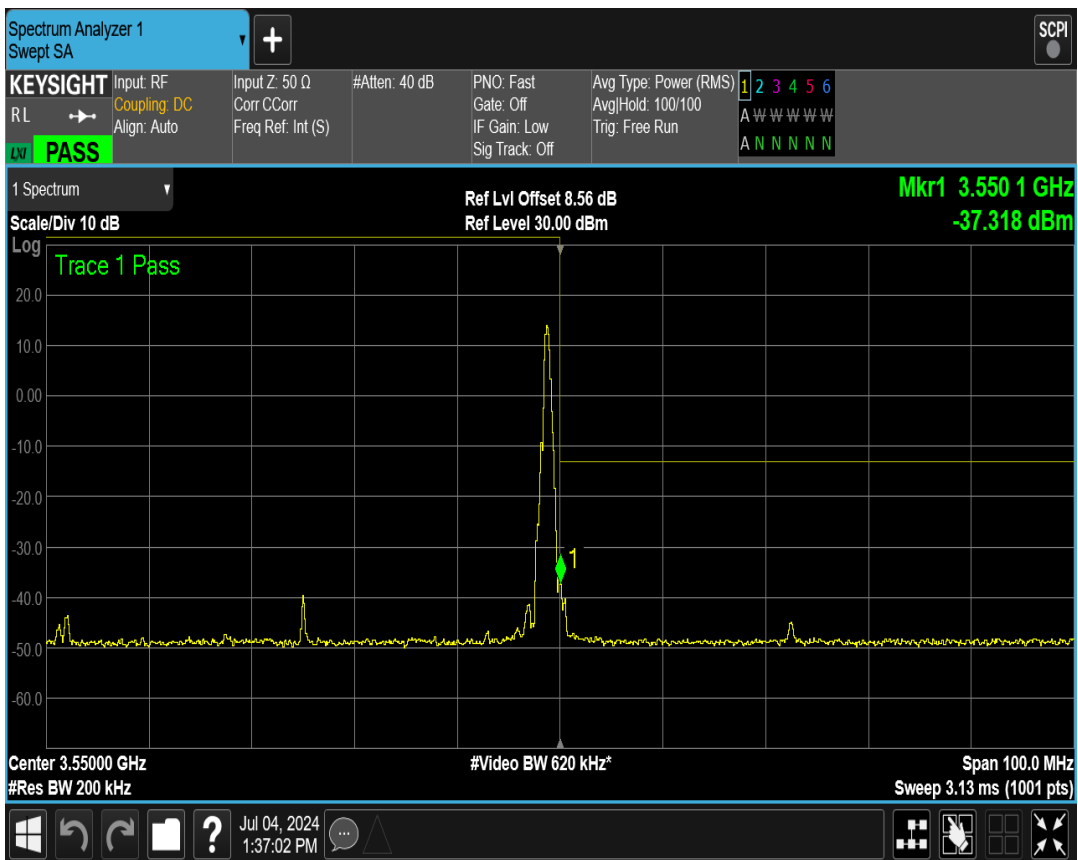
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133 @0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @0



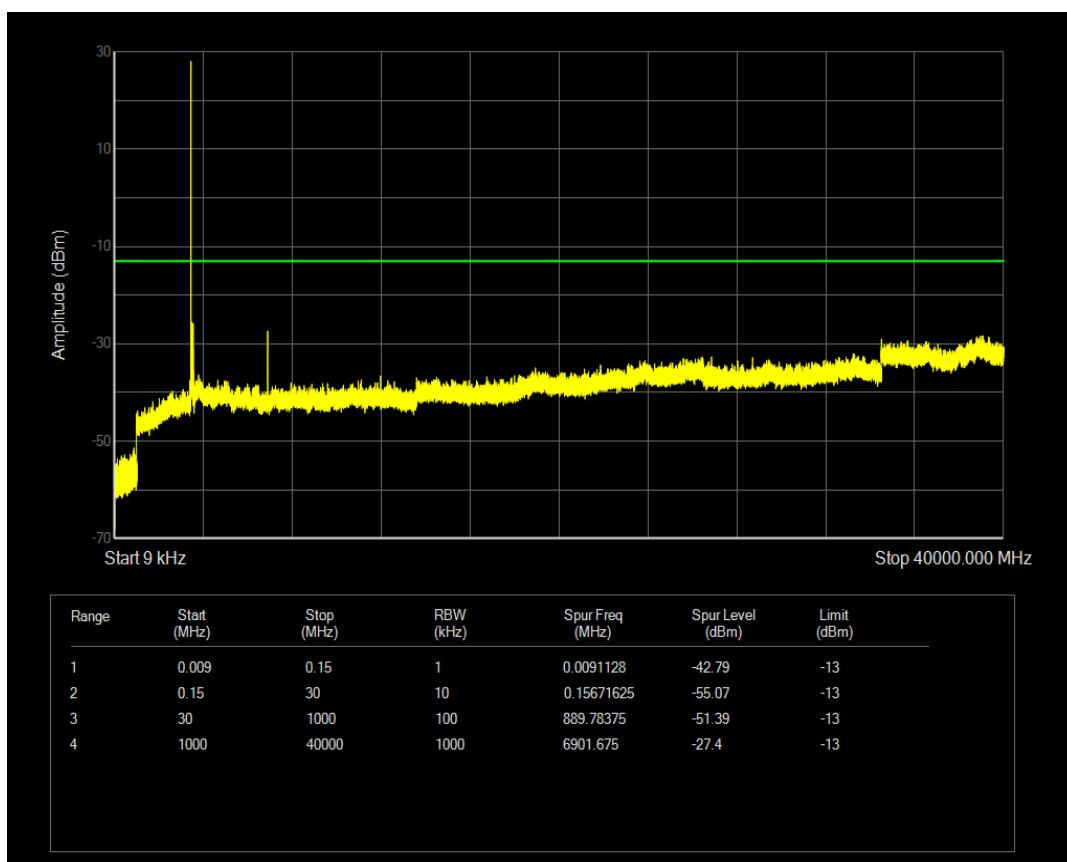
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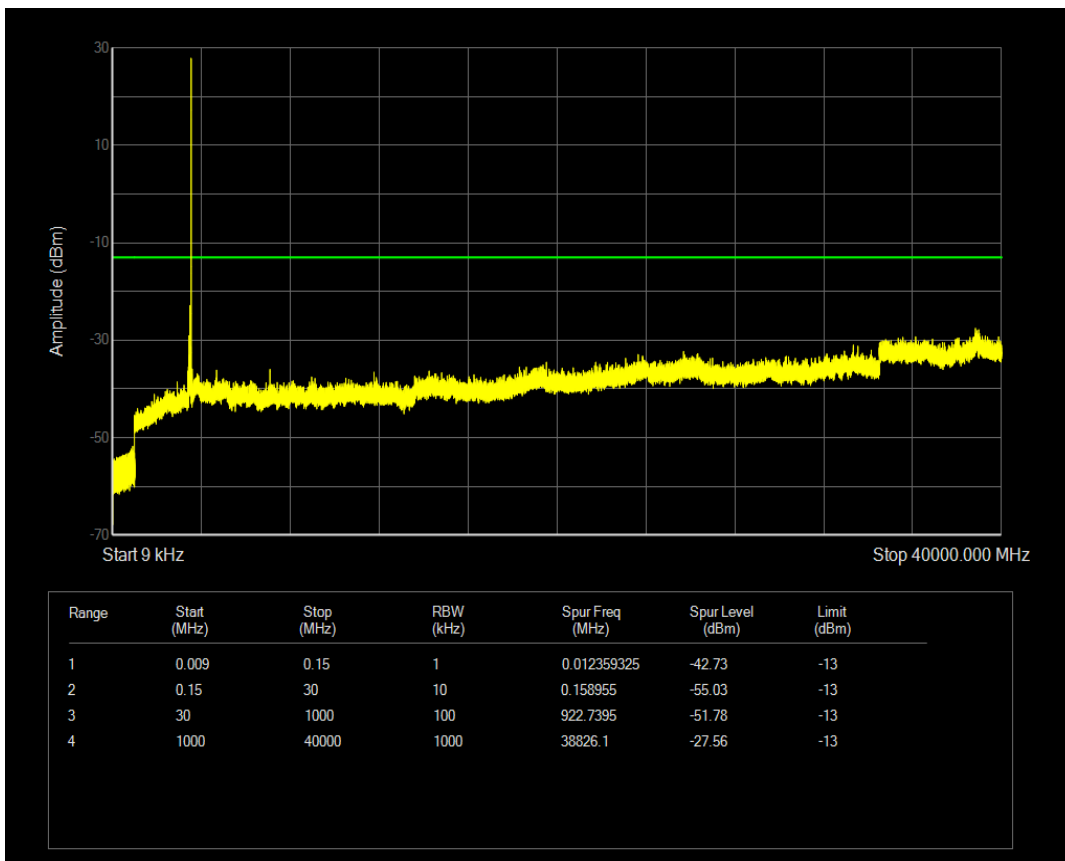
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	38867.05	-27.76	-13	PASS
n77(3450-3550)	30	10	630334	1@0	CP_QPSK	39642.18	-28.06	-13	PASS
n77(3450-3550)	30	10	630334	1@23	CP_QPSK	6918.25	-27.74	-13	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	38875.83	-28.13	-13	PASS
n77(3450-3550)	30	10	636332	1@0	CP_QPSK	39349.68	-28.08	-13	PASS
n77(3450-3550)	30	10	636332	1@23	CP_QPSK	39051.33	-27.28	-13	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	38876.80	-27.68	-13	PASS
n77(3450-3550)	30	50	631668	1@0	CP_QPSK	6902.65	-26.20	-13	PASS
n77(3450-3550)	30	50	631668	1@132	CP_QPSK	38828.05	-27.72	-13	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	38854.38	-26.91	-13	PASS
n77(3450-3550)	30	50	635000	1@0	CP_QPSK	7002.10	-26.95	-13	PASS
n77(3450-3550)	30	50	635000	1@132	CP_QPSK	7097.65	-27.80	-13	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	39042.55	-27.73	-13	PASS
n77(3450-3550)	30	100	633334	1@0	CP_QPSK	6901.68	-27.40	-13	PASS
n77(3450-3550)	30	100	633334	1@272	CP_QPSK	38826.10	-27.56	-13	PASS

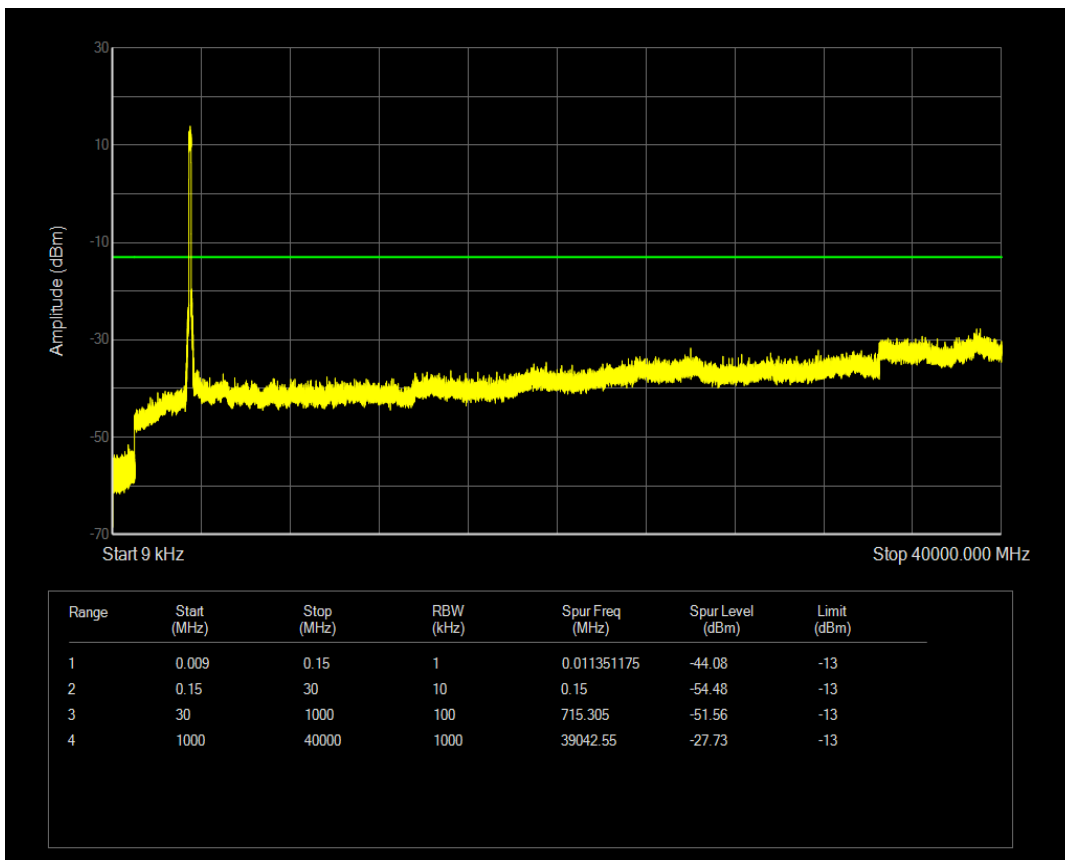
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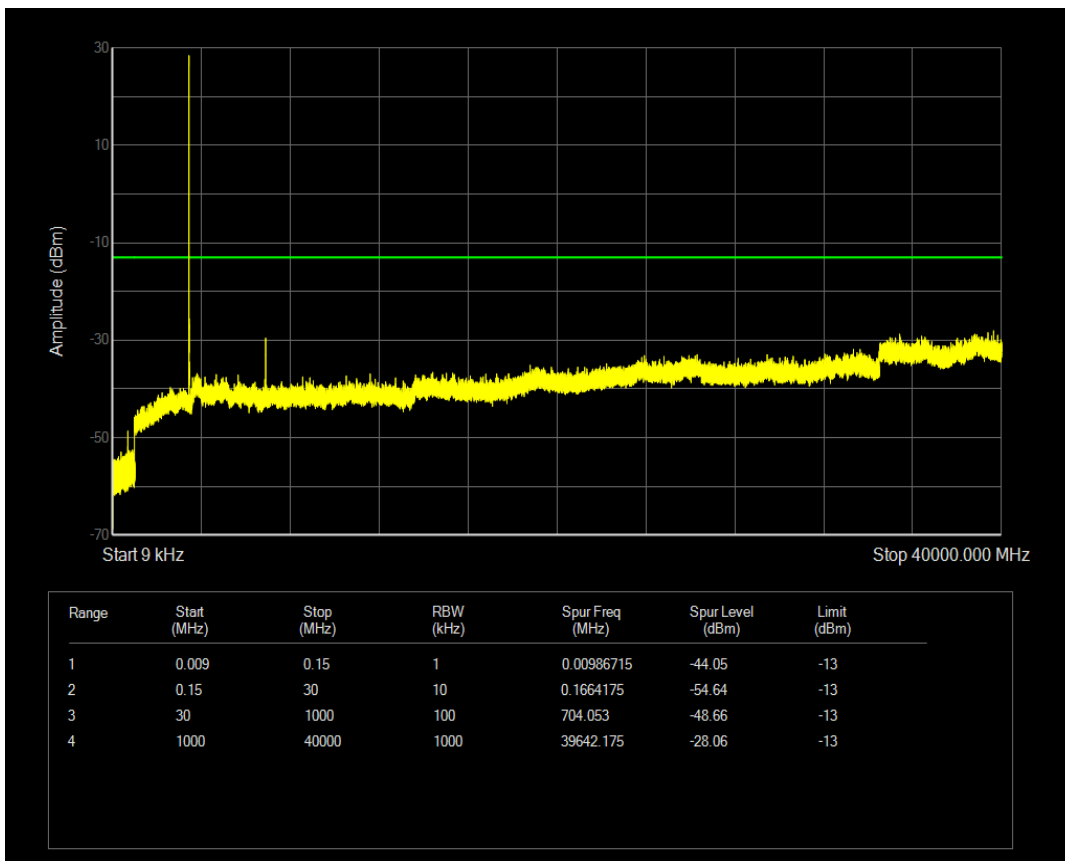
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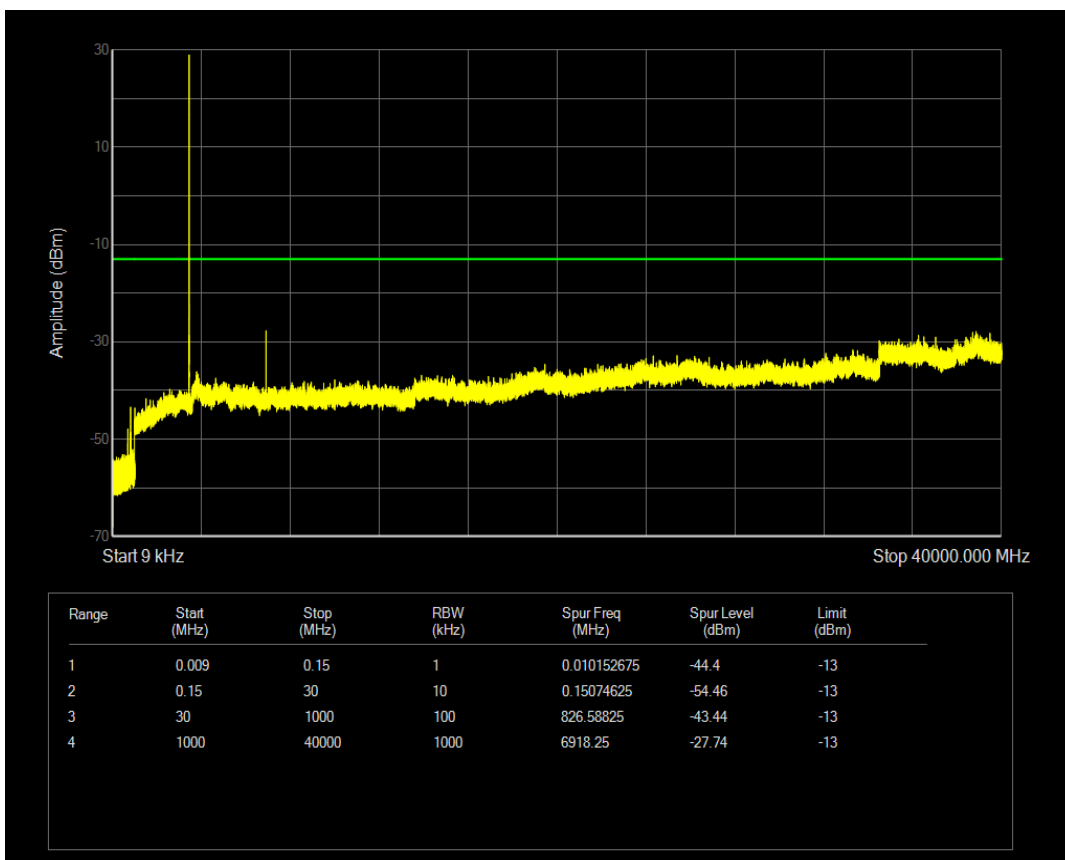
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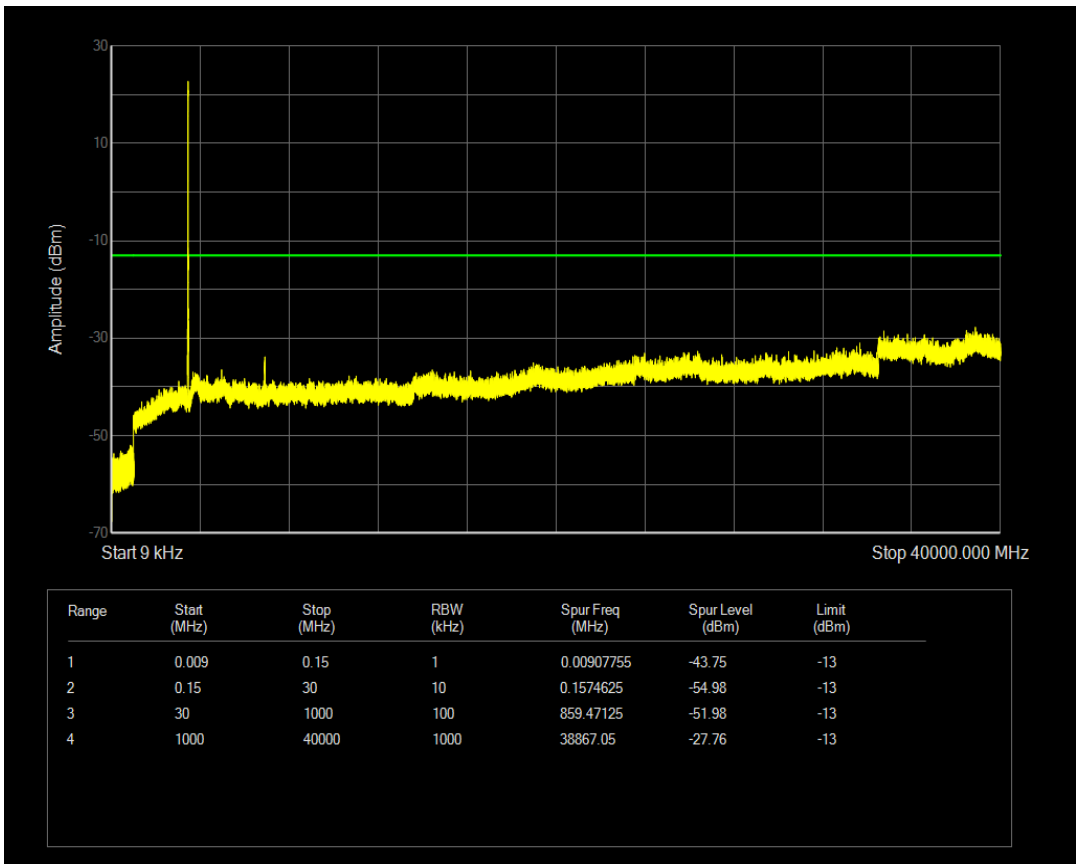
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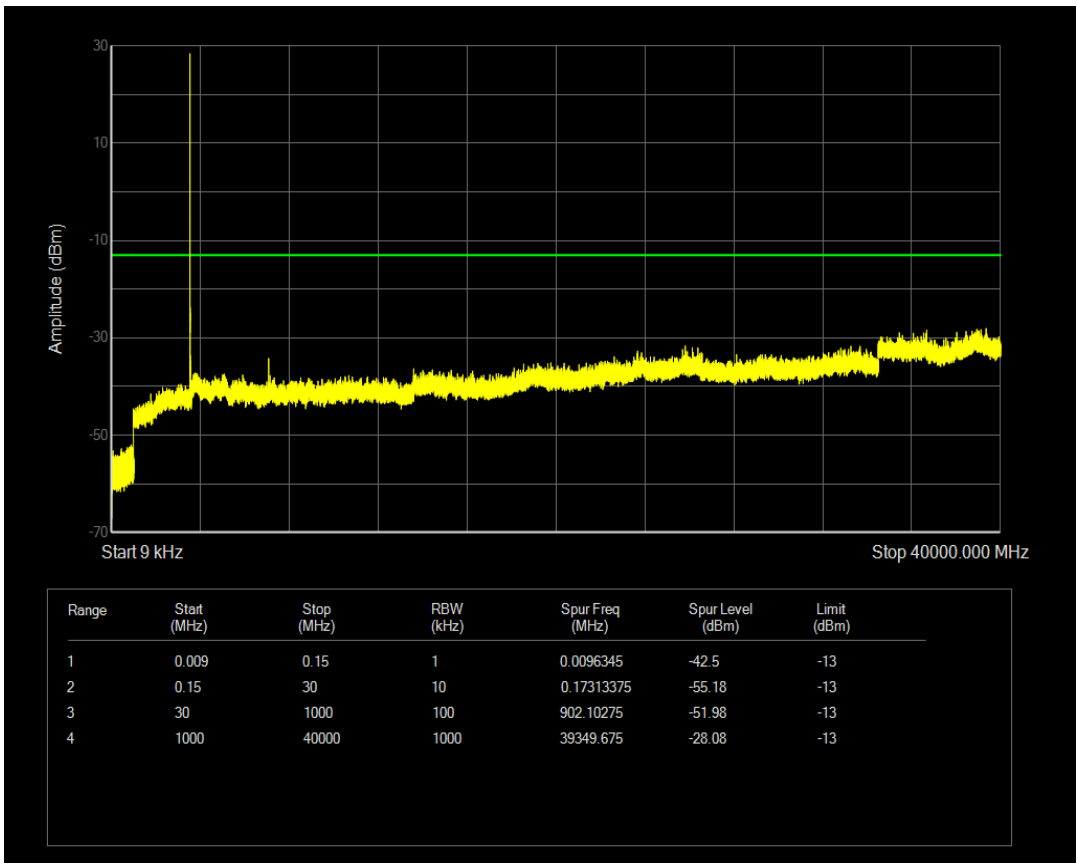
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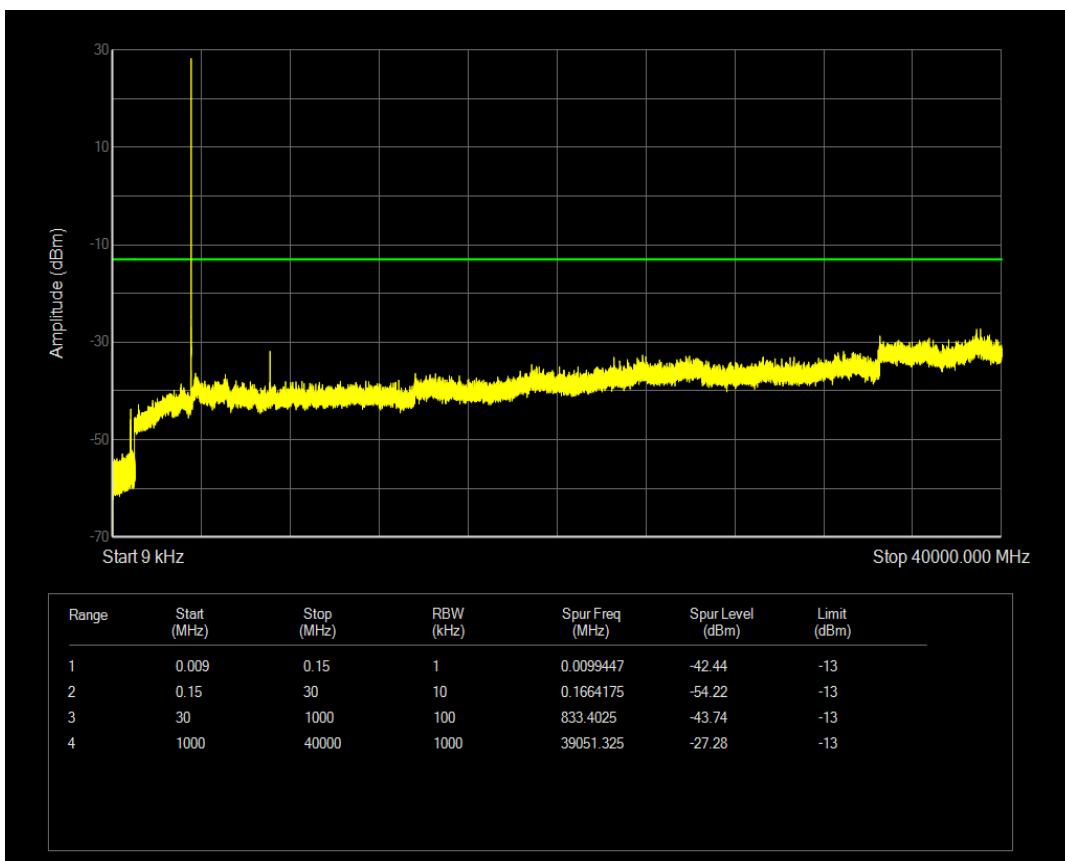
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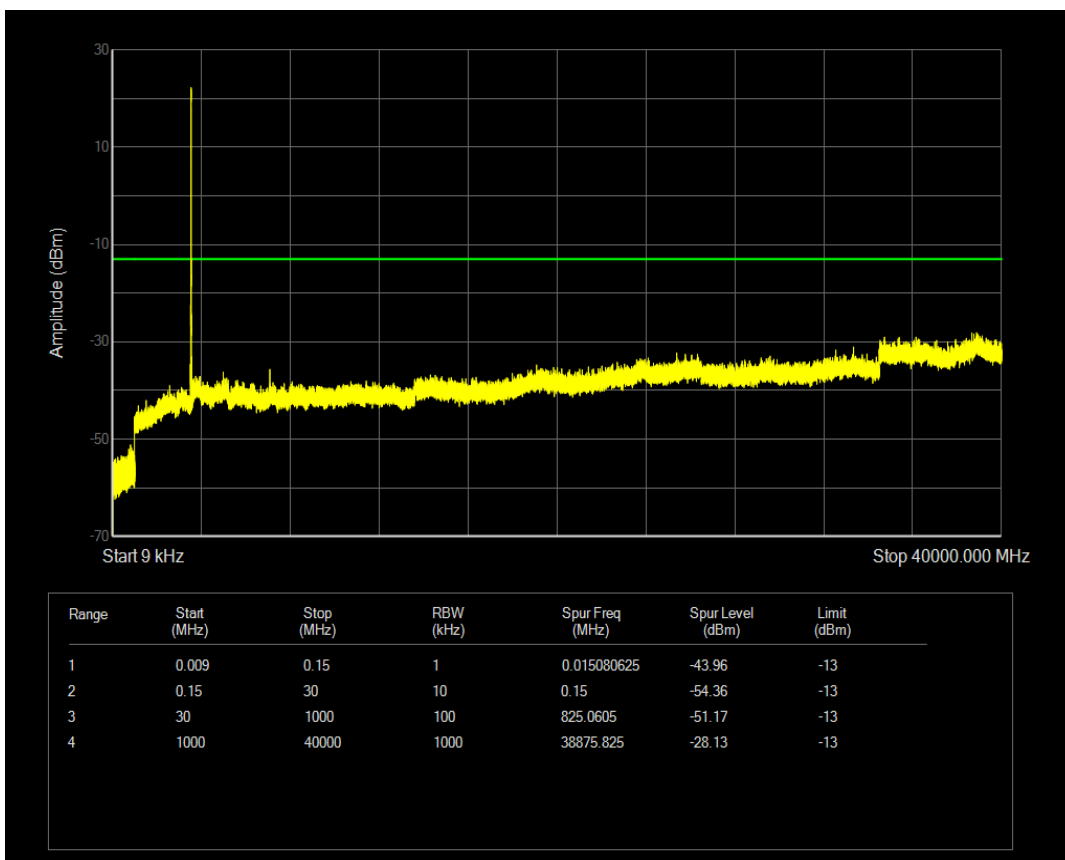
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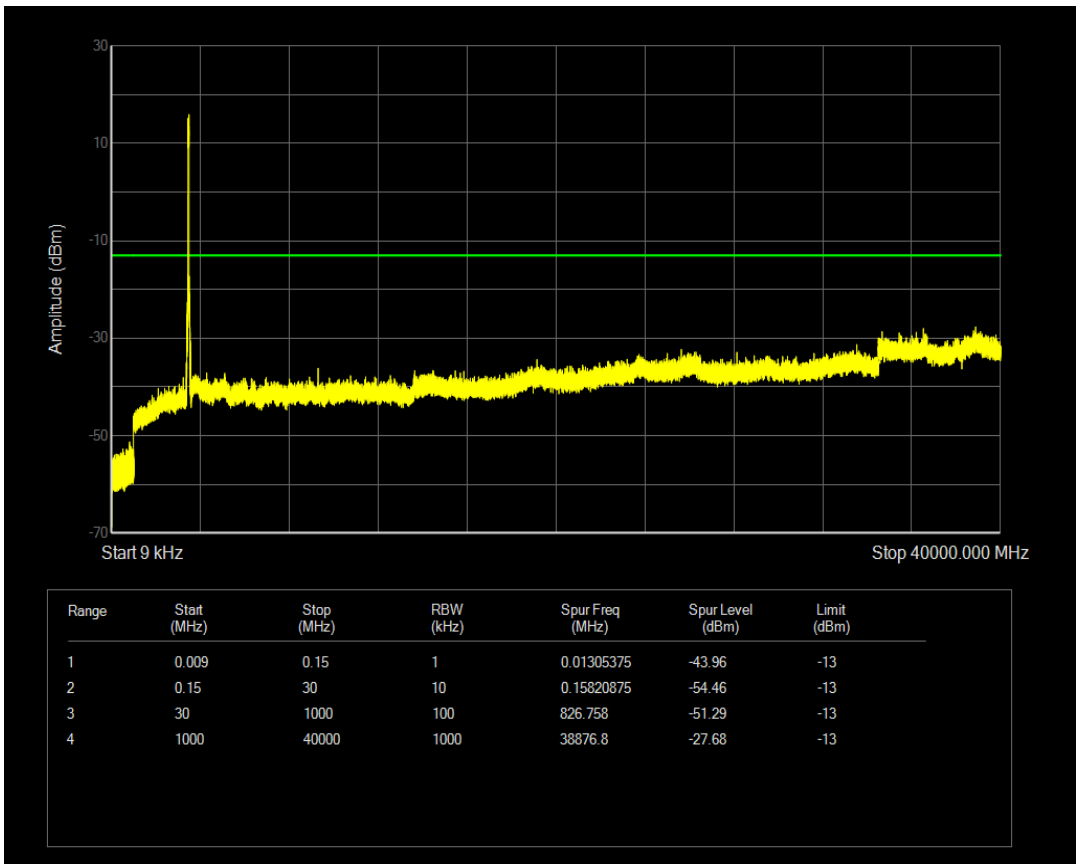
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@23



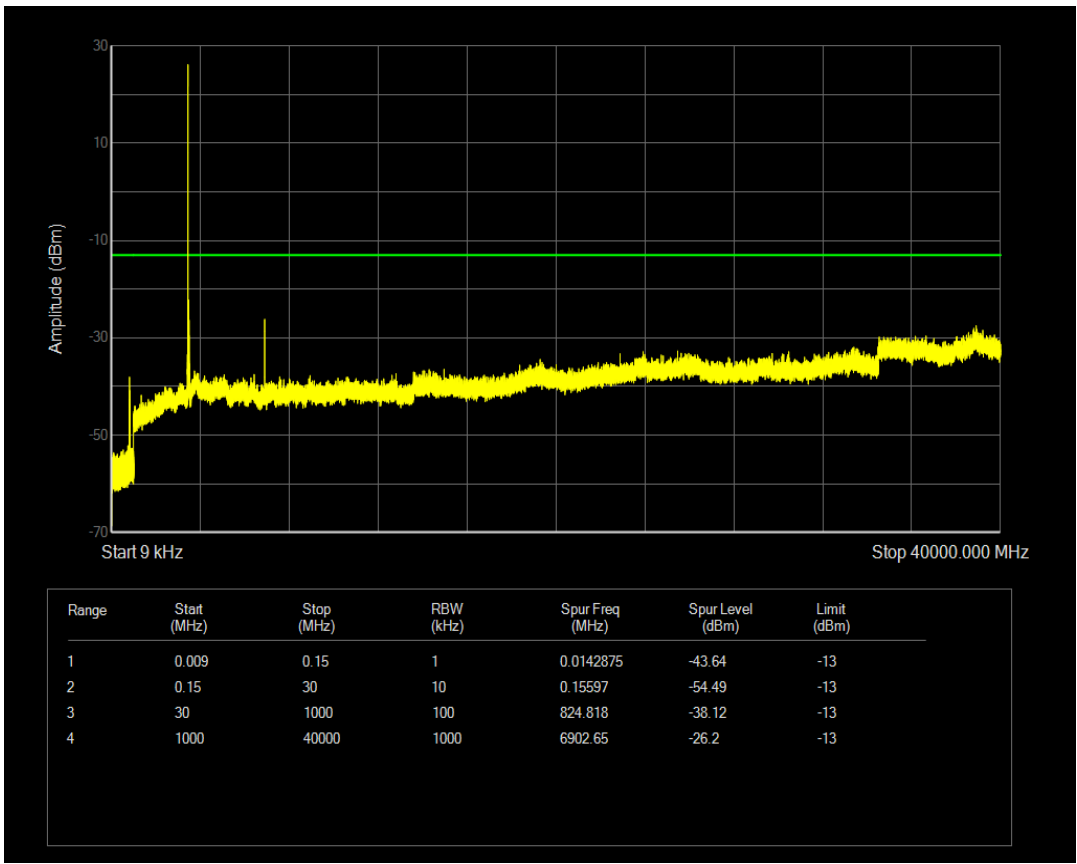
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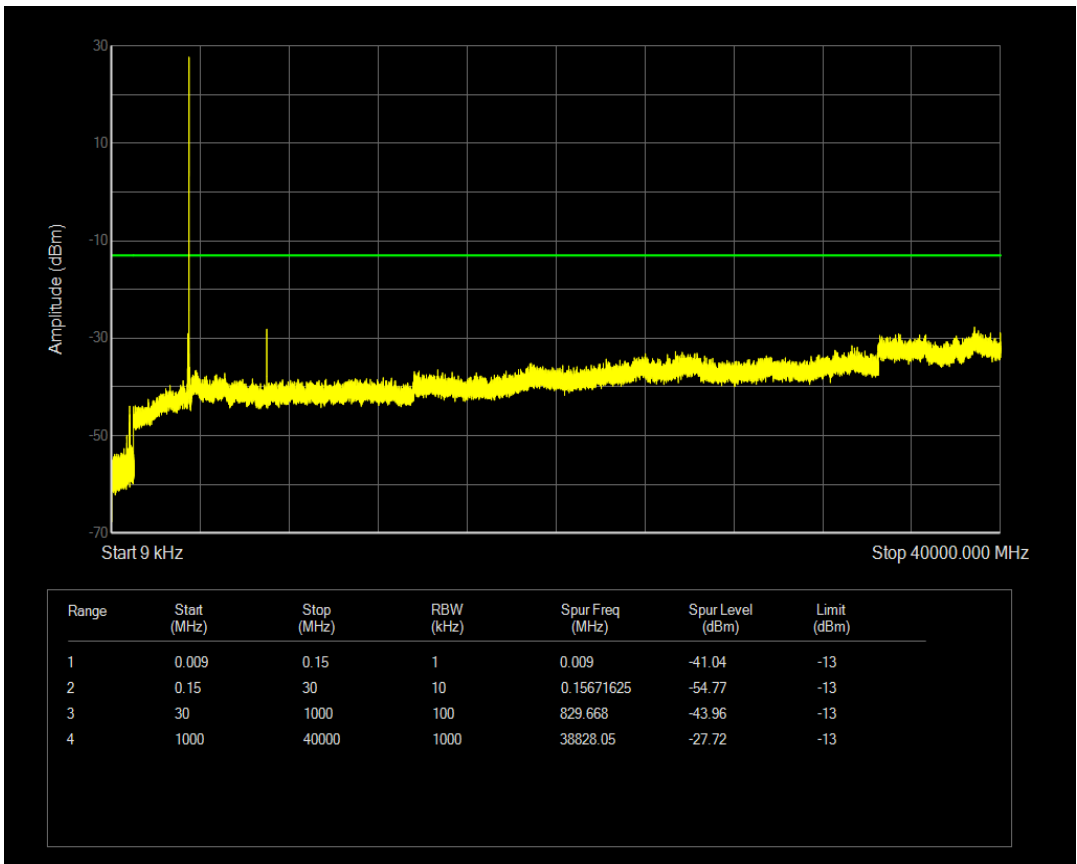
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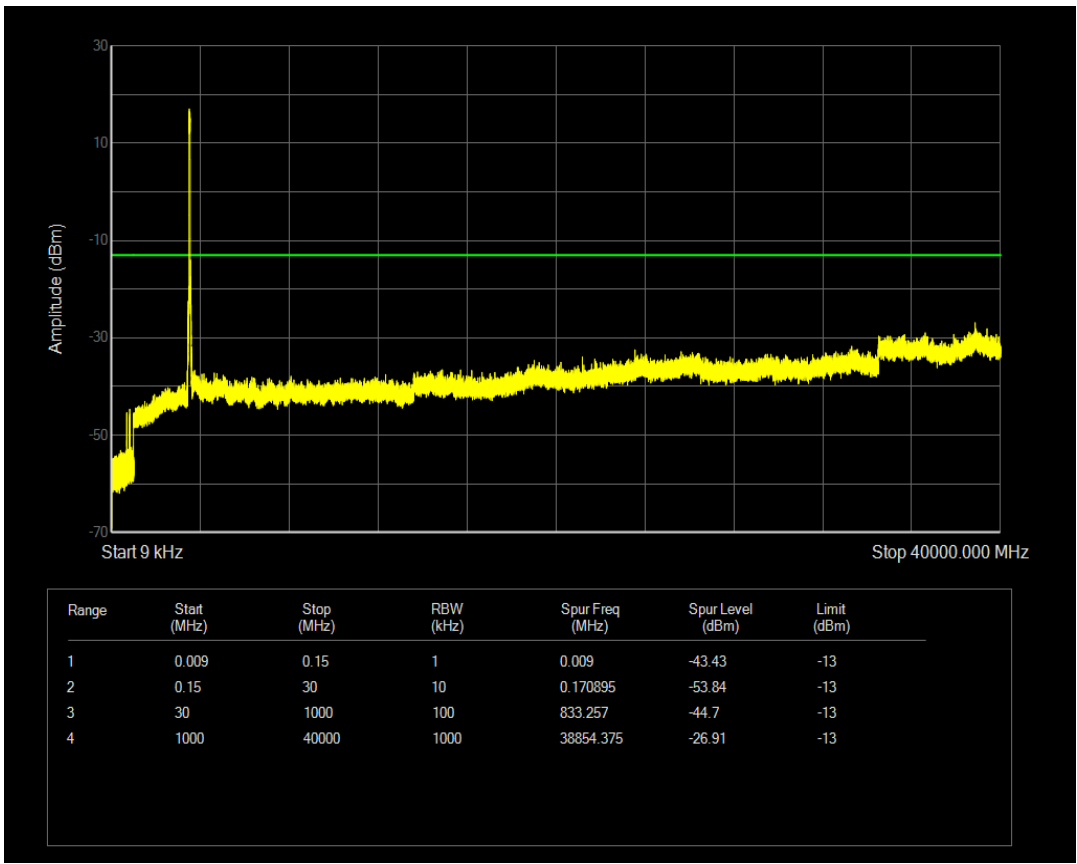
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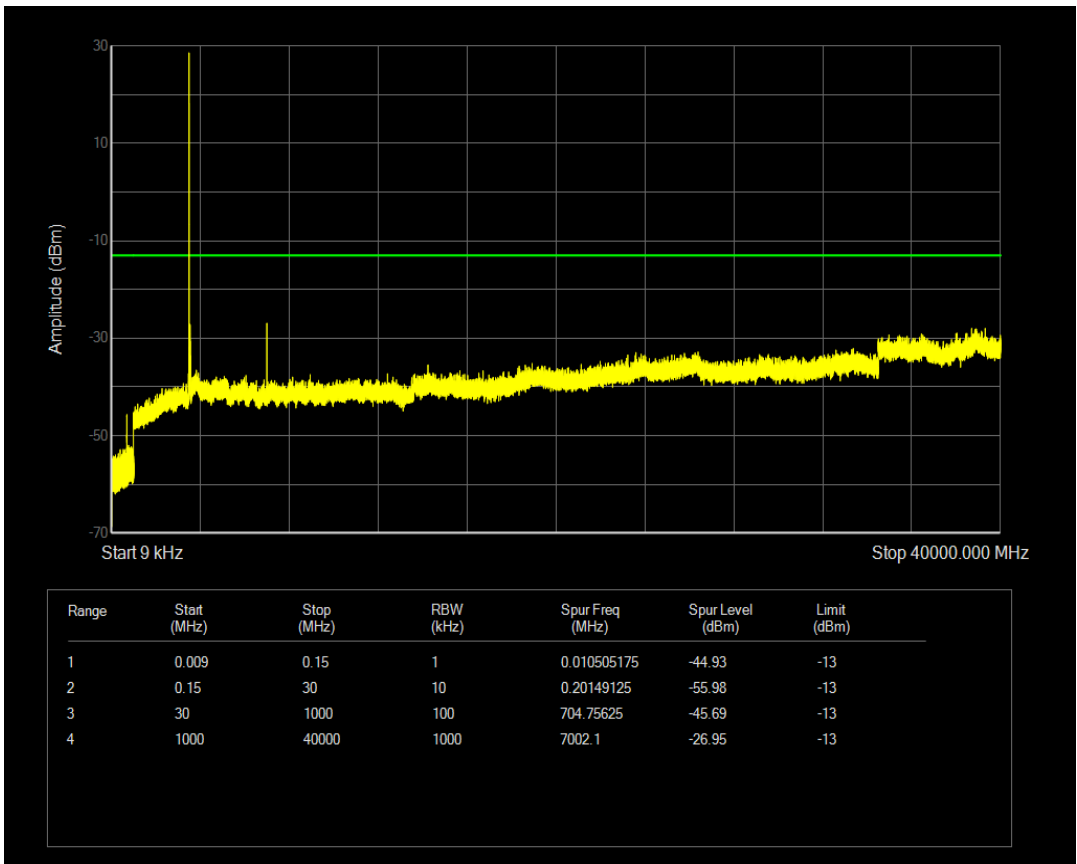
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@132



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133 @0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1@132

