

**n66 SCS=30kHz DFT\_QAM64 BW=40MHz Channel=349000 RB=100@0**



**n66 SCS=30kHz DFT\_QPSK BW=10MHz Channel=349000 RB=24@0**



**n66 SCS=30kHz DFT\_QAM256 BW=40MHz Channel=349000 RB=100@0**



**n66 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=349000 RB=24@0**



**n66 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=349000 RB=36@0**



**n66 SCS=30kHz DFT\_QPSK BW=40MHz Channel=349000 RB=100@0**



**n66 SCS=30kHz DFT\_QPSK BW=20MHz Channel=349000 RB=50@0**



**n66 SCS=30kHz DFT\_QPSK BW=15MHz Channel=349000 RB=36@0**

KEYSIGHT Keysight RF Application (3.5.134.12281)

**LTE1** Band: B5 ARFCN/Freq: 2525 D: 881.50 MHz U: 20525 836.50 MHz Cell Power: -57.22 dBm/BW CLPC Target: 0.0 dBm

**NR1** Band: N66 DL BW: 15 MHz Low: Mid High: ARFCN/Freq: 429000 D: 2145.00 MHz U: 349000 1745.00 MHz Cell Power: -43.00 dBm/BW CLPC: All Up Bits

Test Case: Selected Case

NSA:

**Measurement** BLER/Tput UE Info. Msg. Summary NR UE Power: 24 dBm DL BLER: 0 %

Duplex: FDD Port: RFIO1 Freq: 1745 MHz EIP: 27 dBm Measuring:  Acquiring:  Avg: 2/2

Pass/Fail	Pass
OBW	13.446 MHz
Tx Freq Err	0.00 Hz
X dB BW	13.29 MHz
Total Power	23.86 dBm

Cell Quick Config

UL RMC Quick Config: DFT-s-OFDM-QPSK

UL RB Allocation Type: Contiguous

UL RB Allocation: Custom Start/Count: 0 / 36

UL MCS/Type: 2 - QPSK / 64 QAM

UL Waveform: DFT-s-OFDM Pi/2 BPSK:  OFF

Additional Spectrum Emission:  ON NS\_01

P-Max: OFF p-NR-FR1: OFF

MAC Padding:  DL On  UL On

Test Case Params

Advanced

Meas Cell: NR1

Meas Mode: Basic

Meas Select:

Meas Channel: PUSCH

Average Count: 2

Continuous:  Off

Restart

Connect

Disconnect

Aggregate

Load Configuration

Save Configuration

Preset

Channel

PRACH

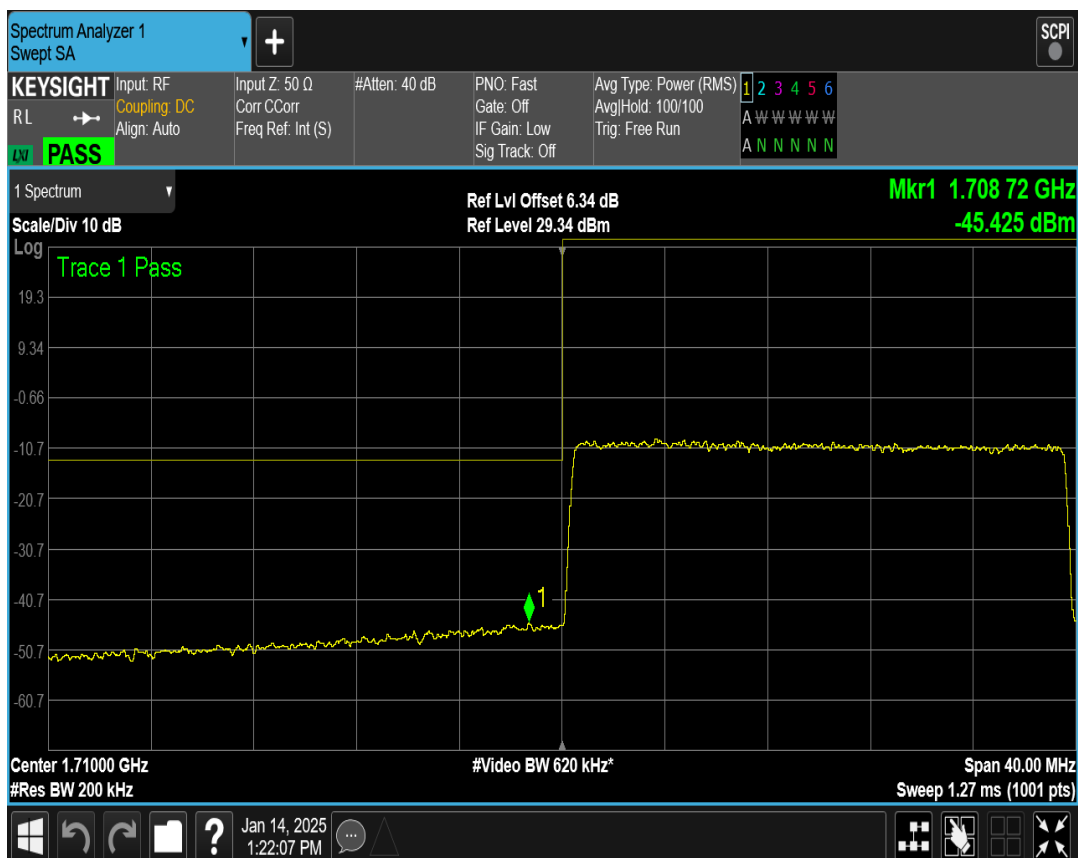
Local

Ready Current Log 2025-01-14 13:47:00

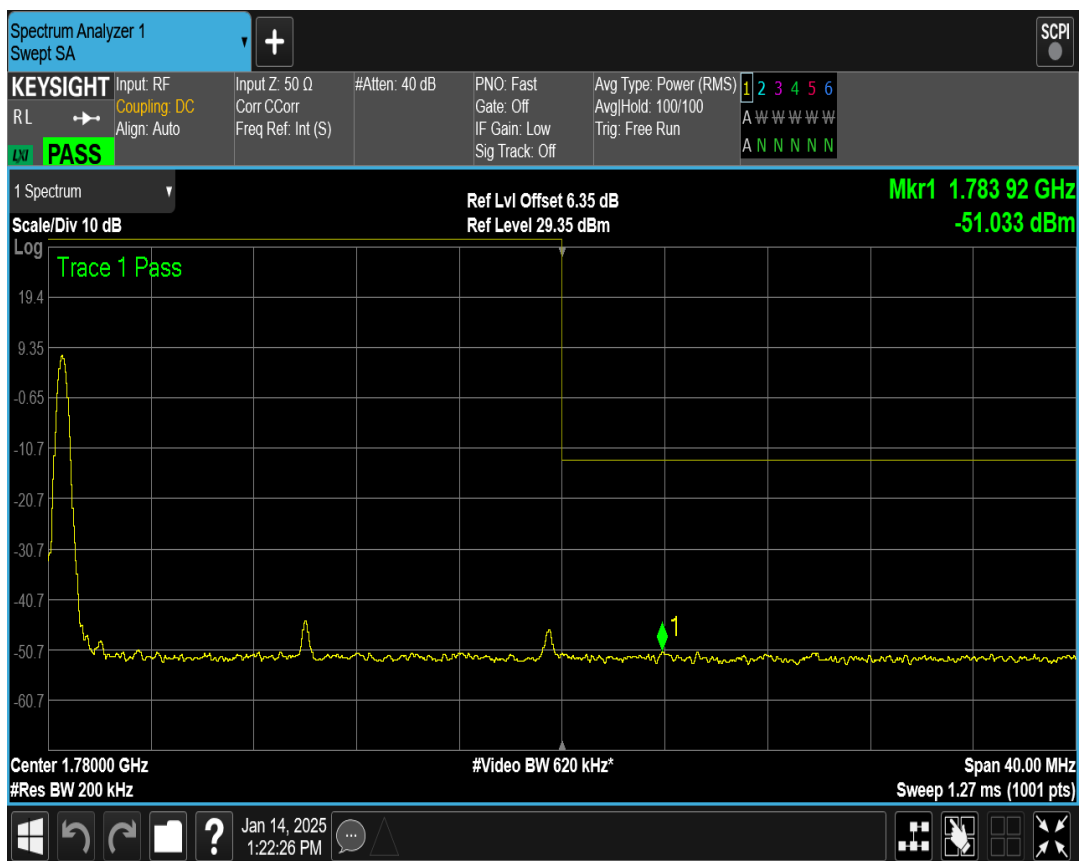
### 5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	1710.00	-43.97	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	1710.00	-17.70	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	1707.40	-50.32	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	1780.02	-44.63	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	1782.65	-50.46	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	1780.00	-20.32	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	1708.72	-45.42	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	1710.00	-35.86	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	1700.20	-50.20	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	1780.00	-43.88	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	1783.92	-51.03	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	1780.00	-32.65	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	1710.00	-39.88	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	1710.00	-31.19	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	1702.72	-51.11	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	1780.00	-37.23	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	1801.76	-51.32	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	1780.00	-33.97	-13	PASS

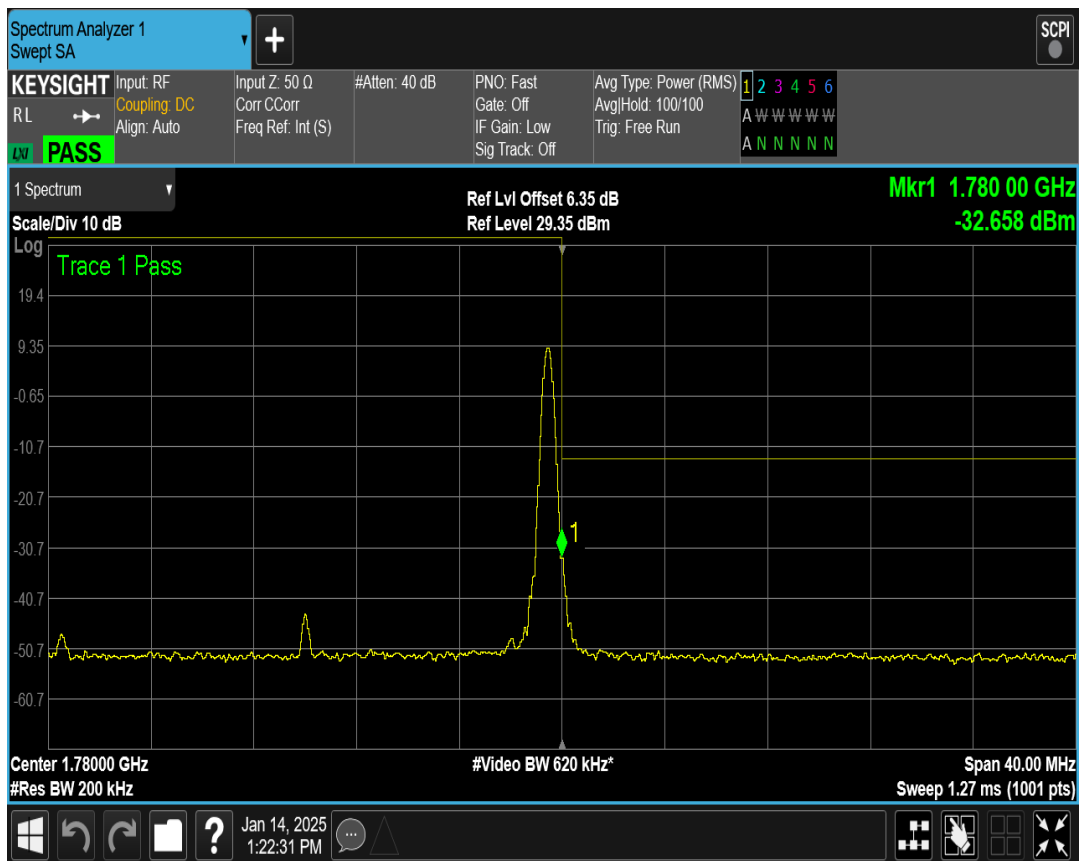
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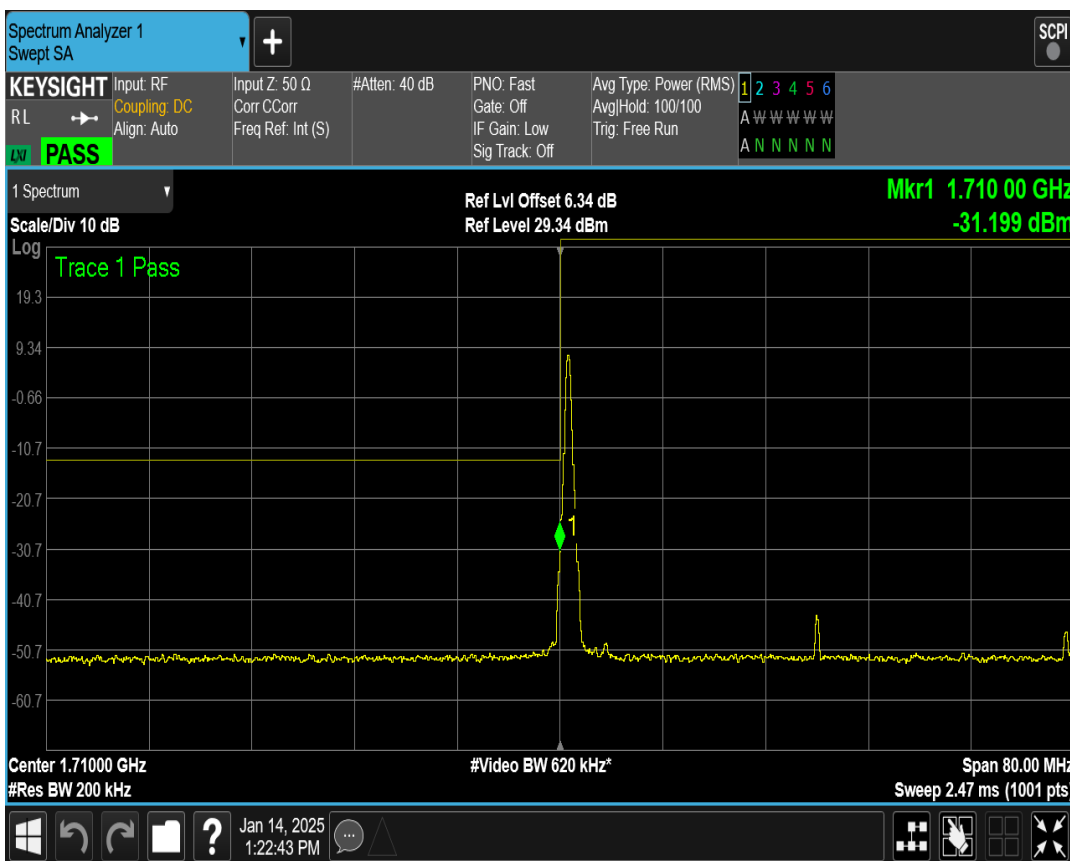
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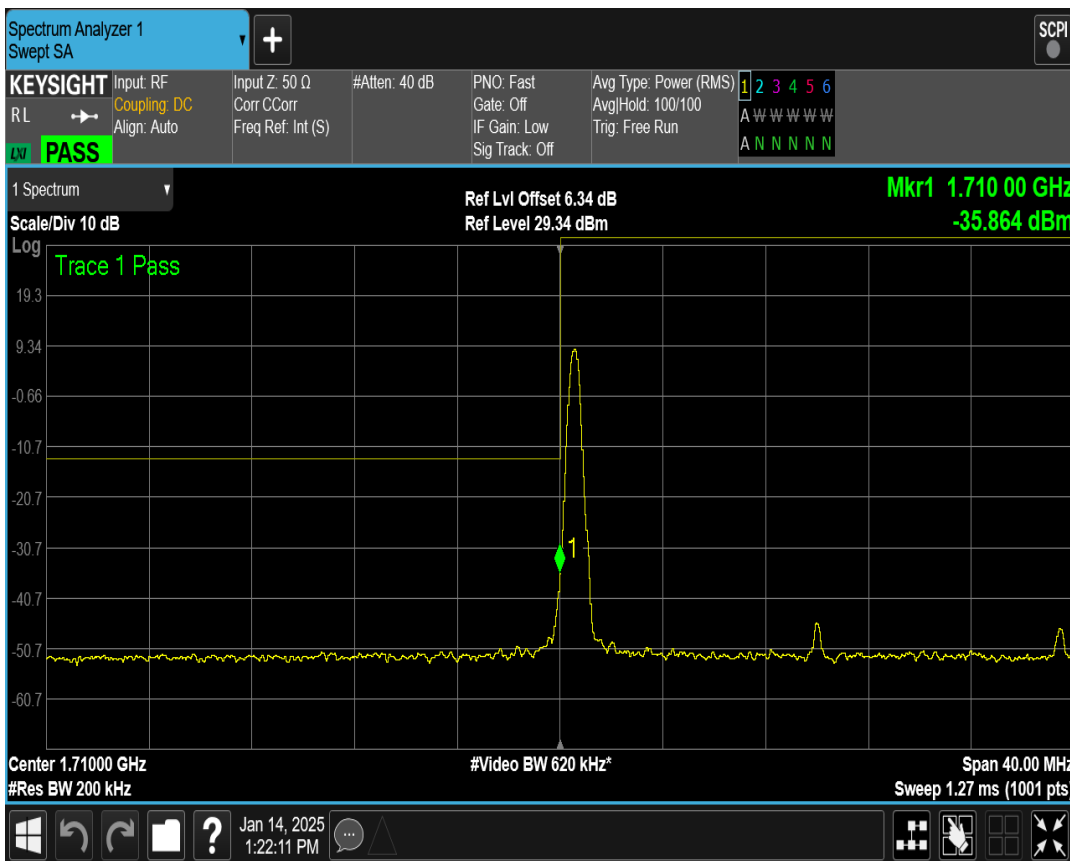
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n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@0

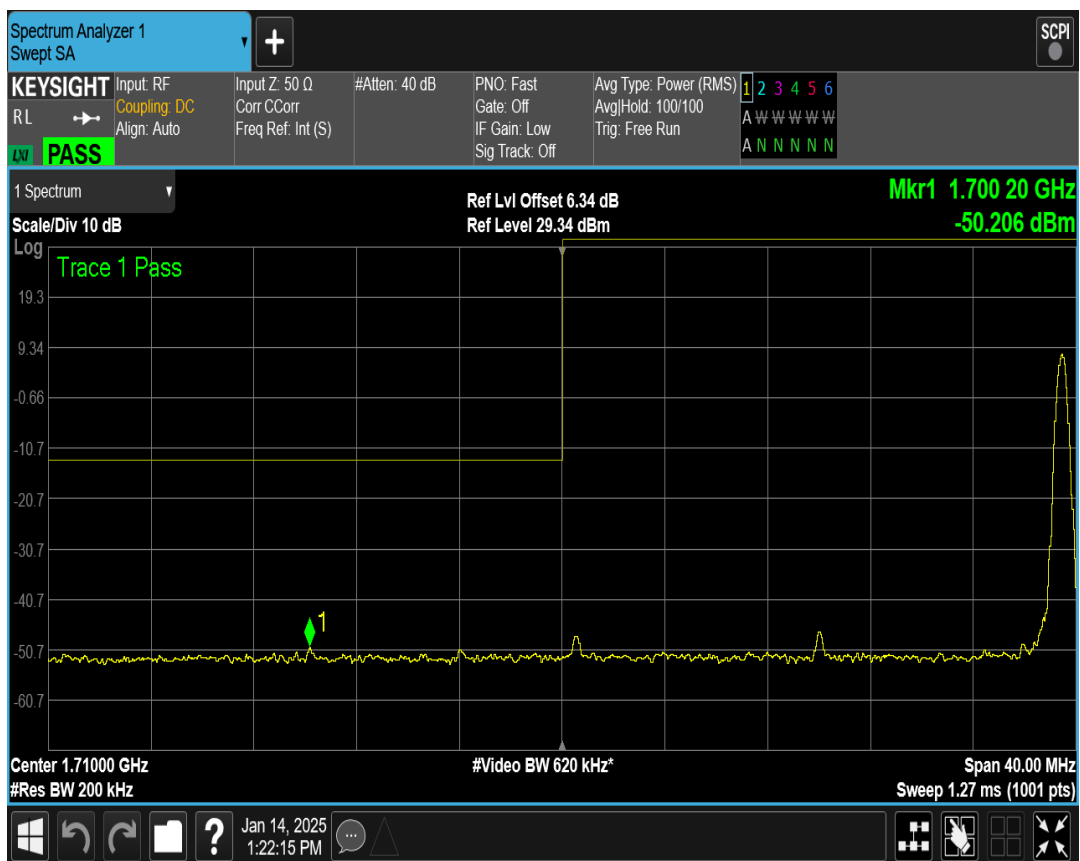


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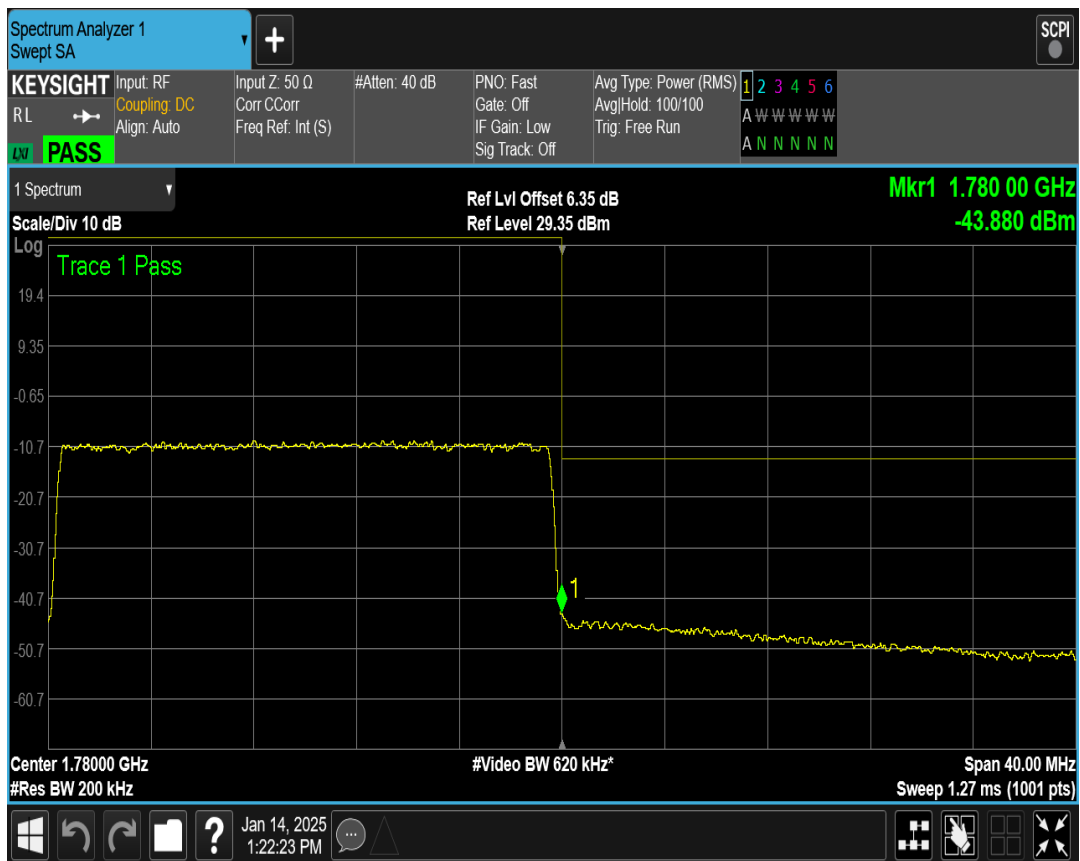




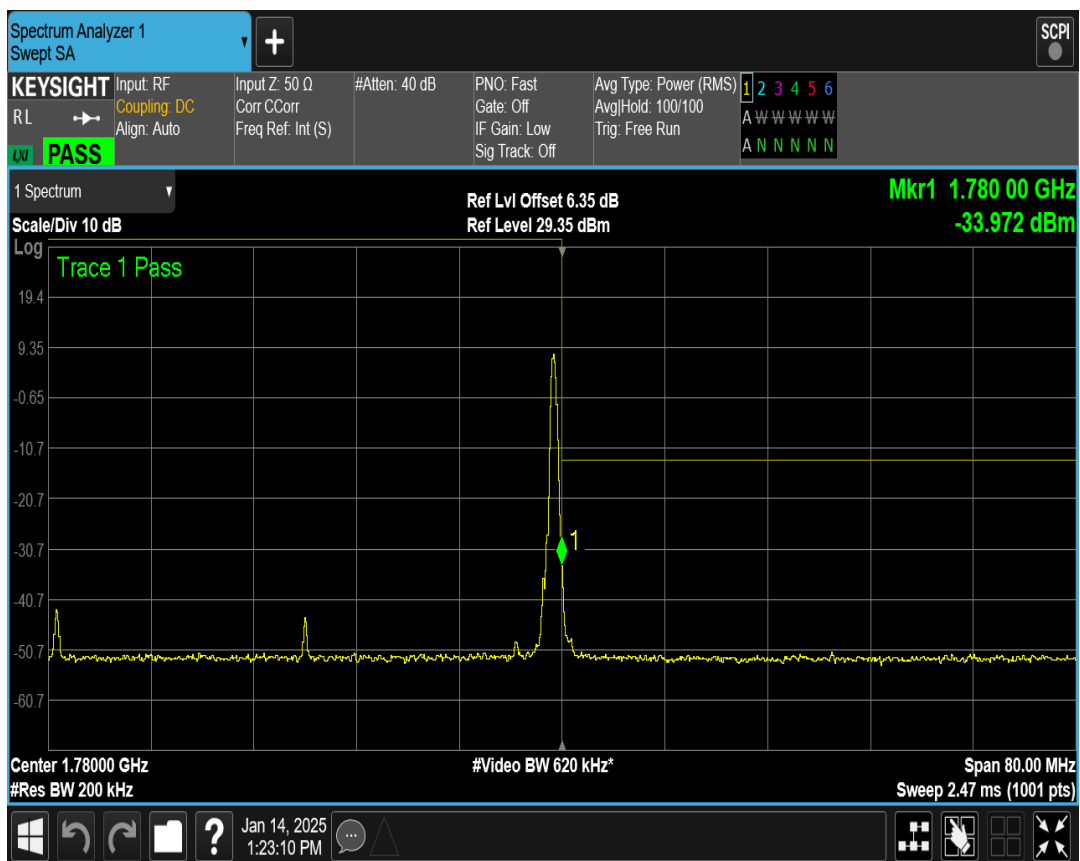
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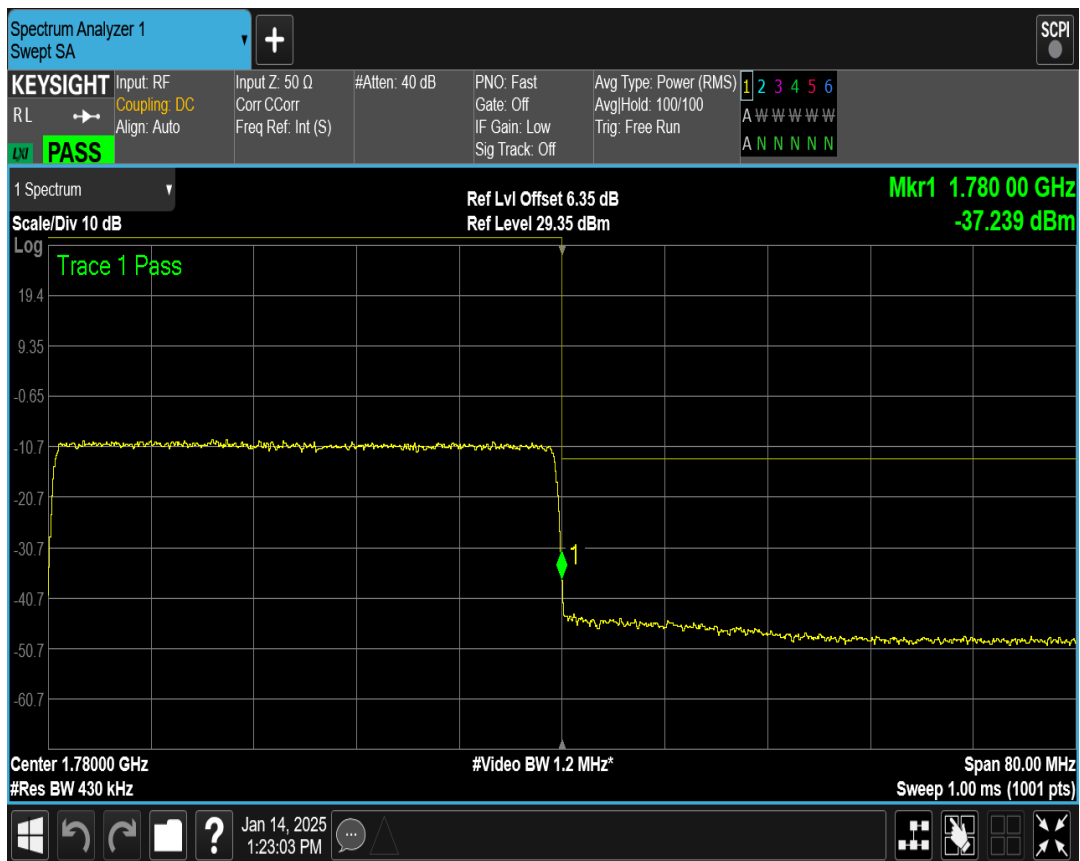
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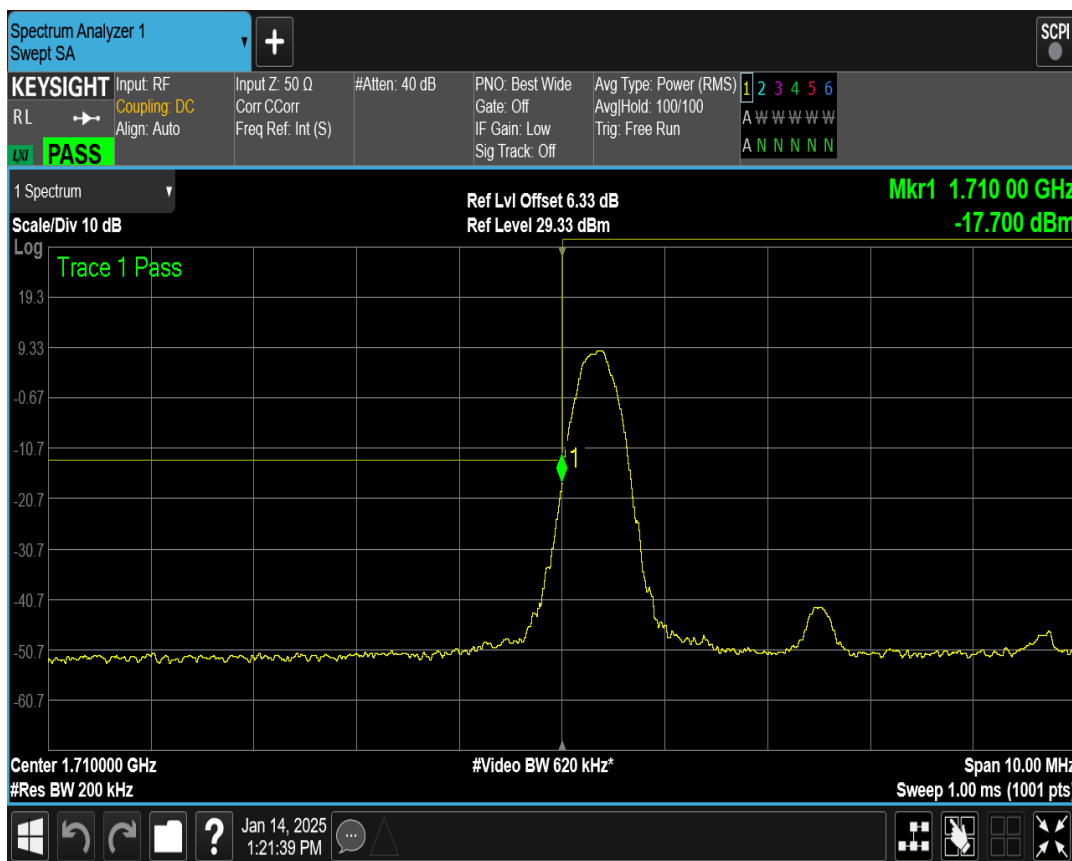
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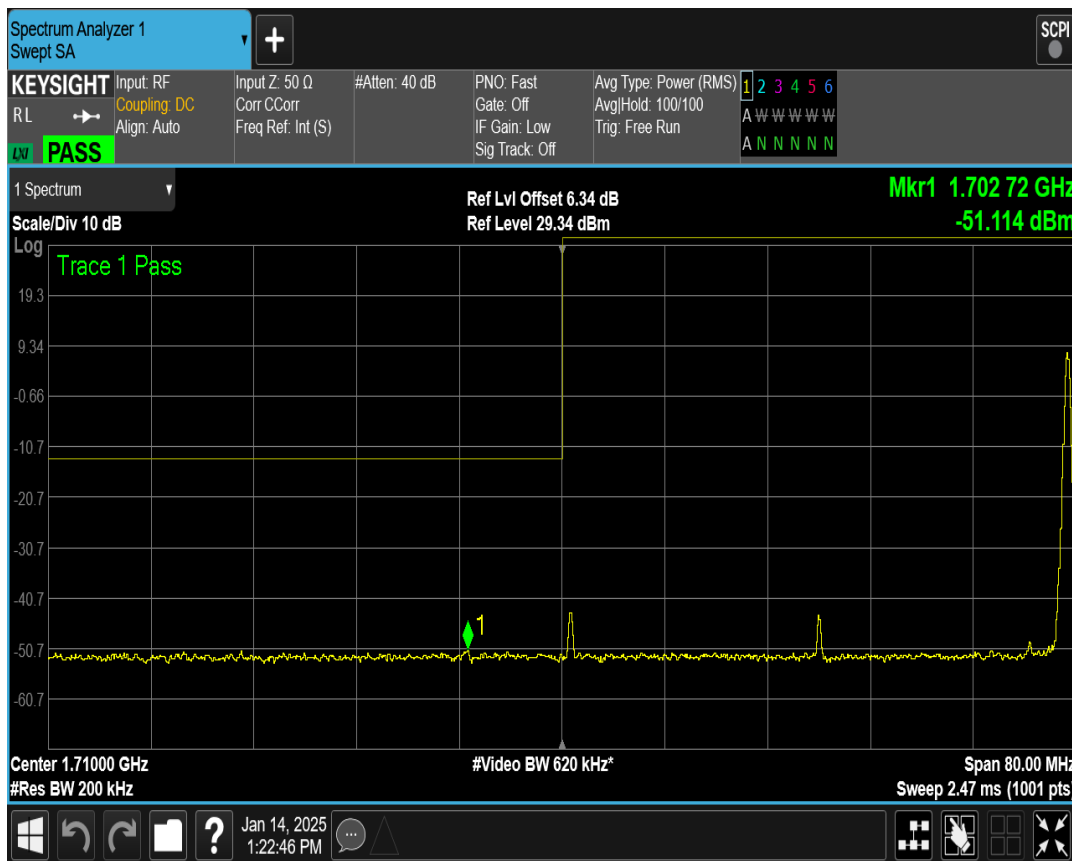
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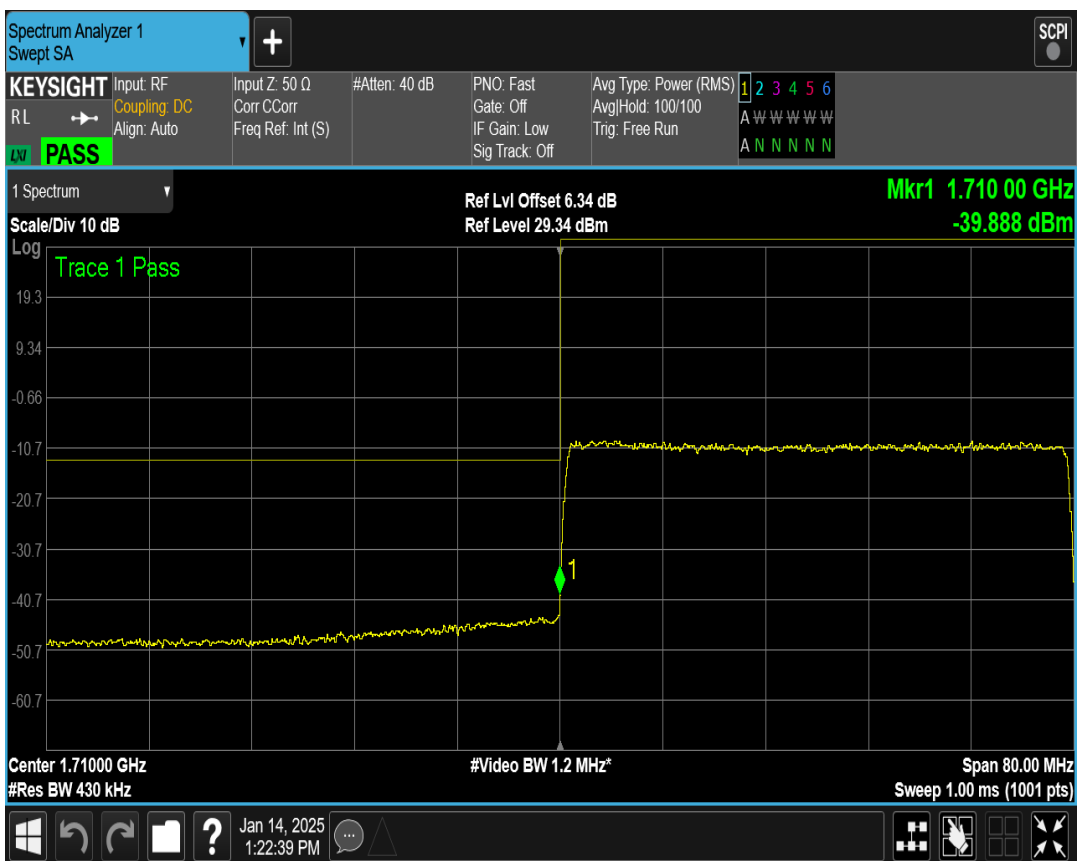
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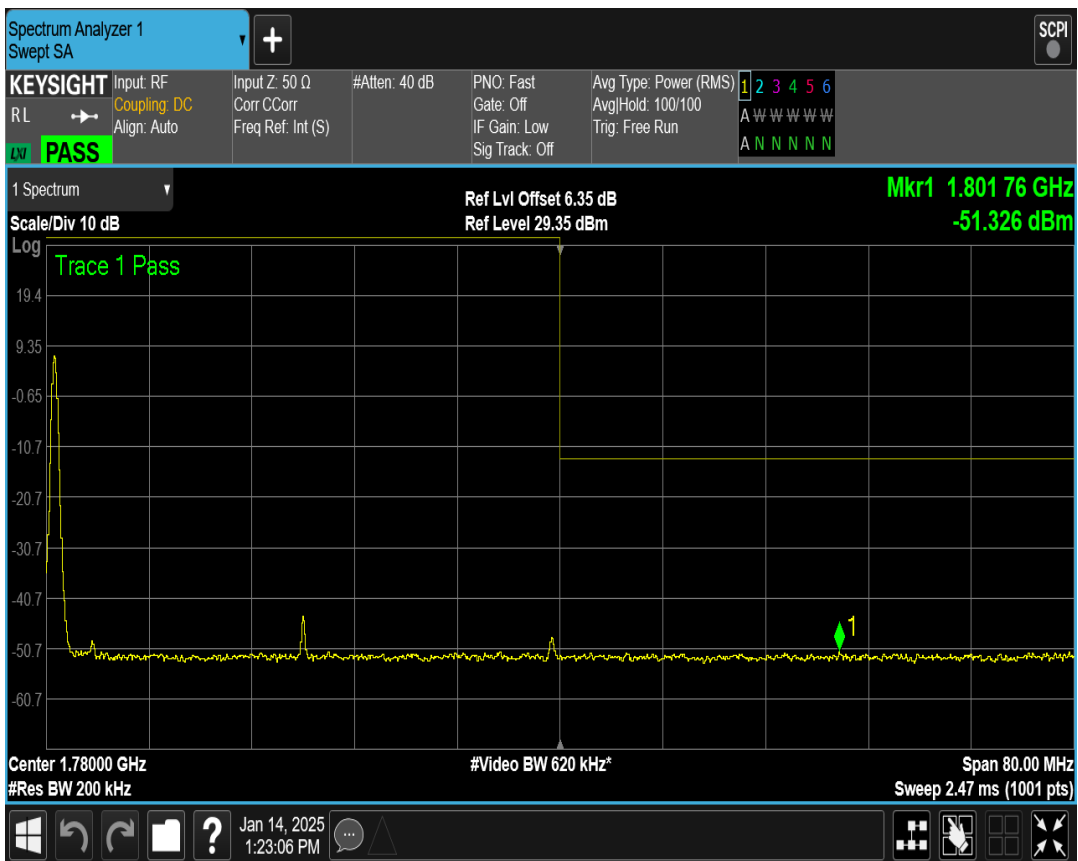
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n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=216@0



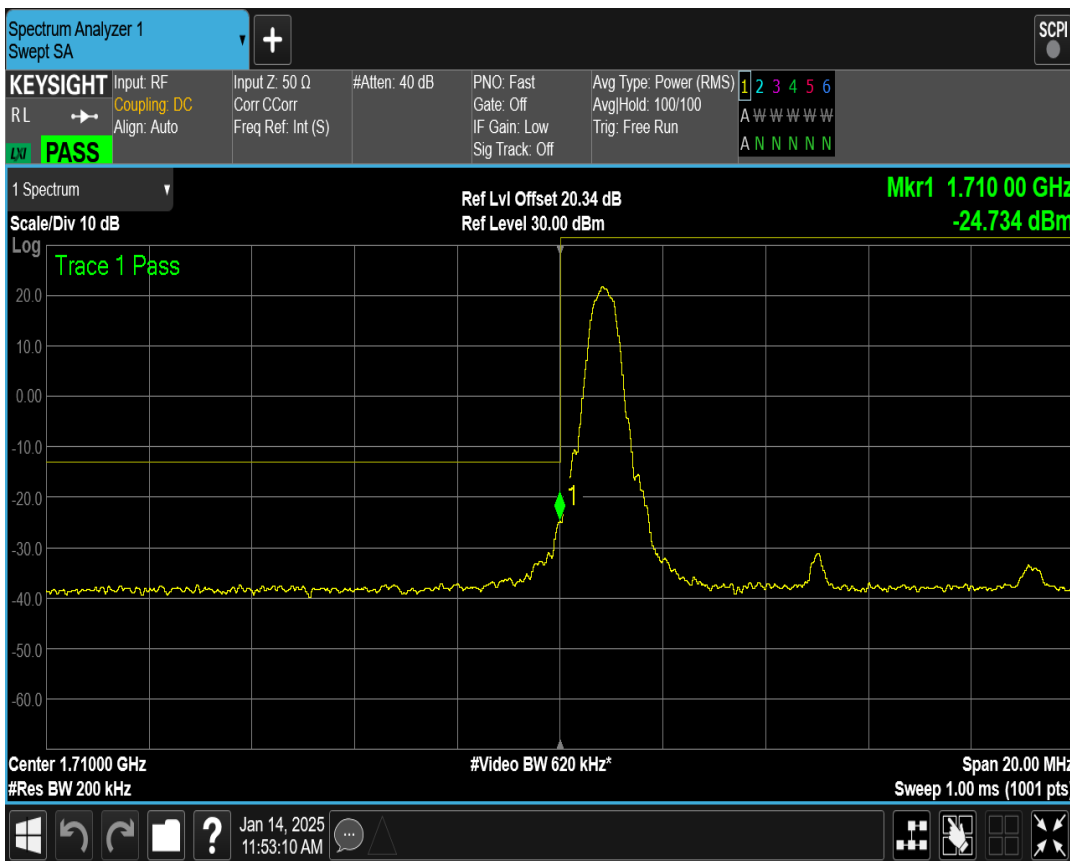
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n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=25@0



n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=343000 RB=1@0



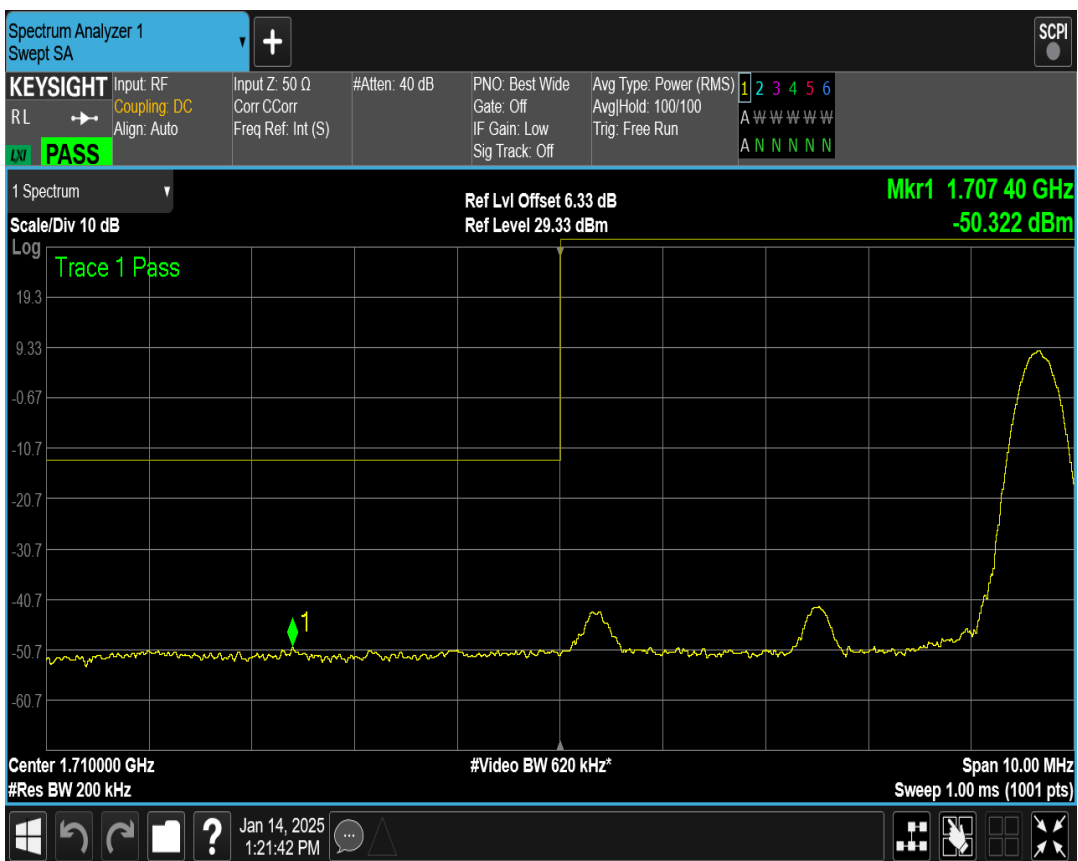
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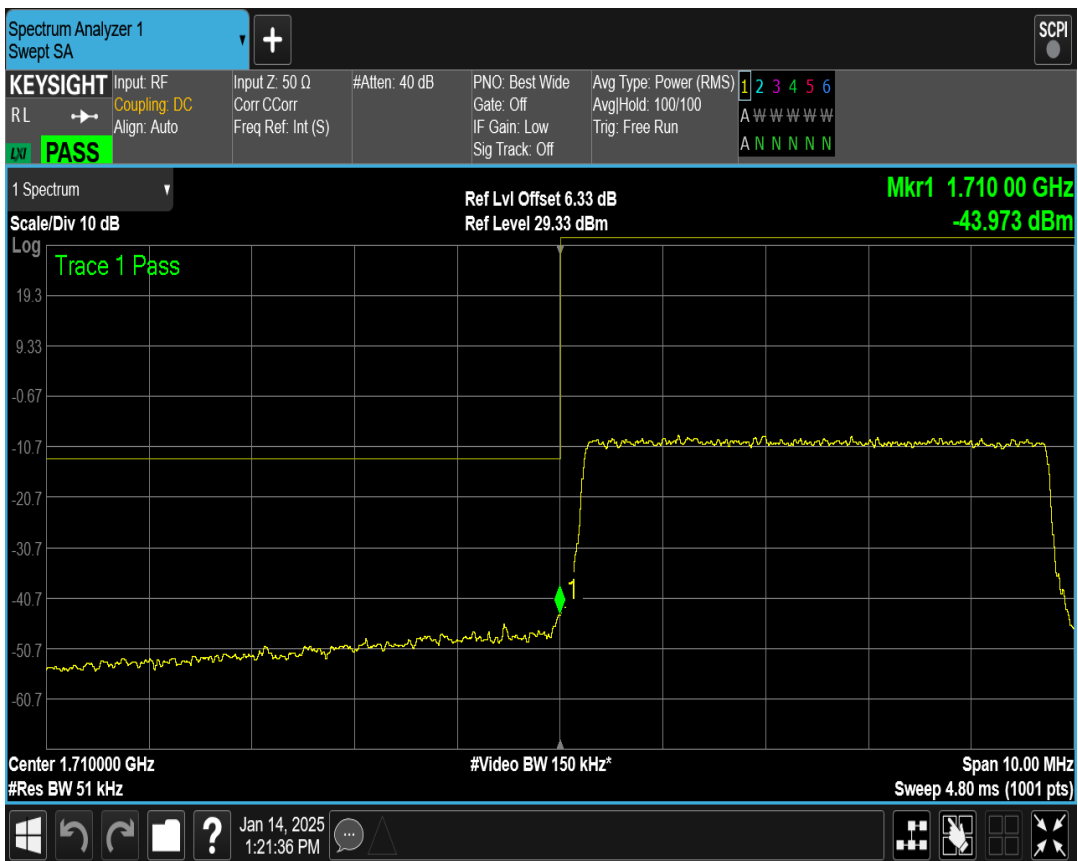
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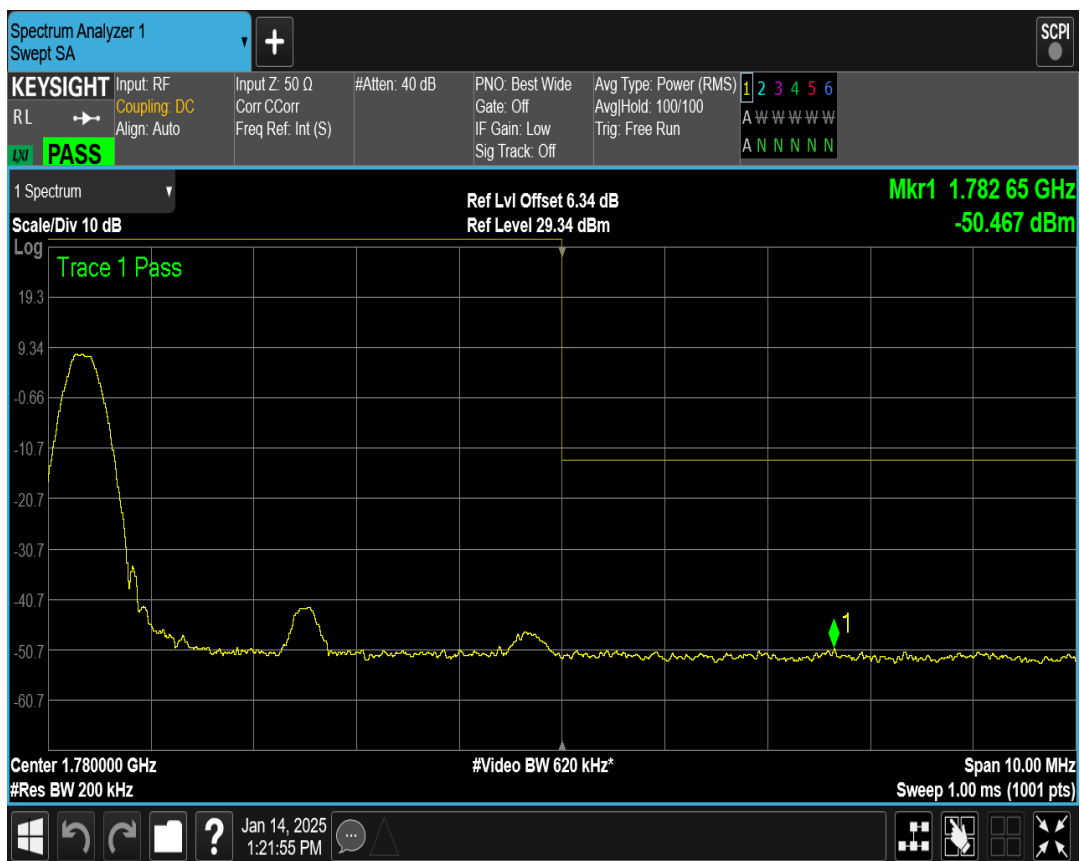
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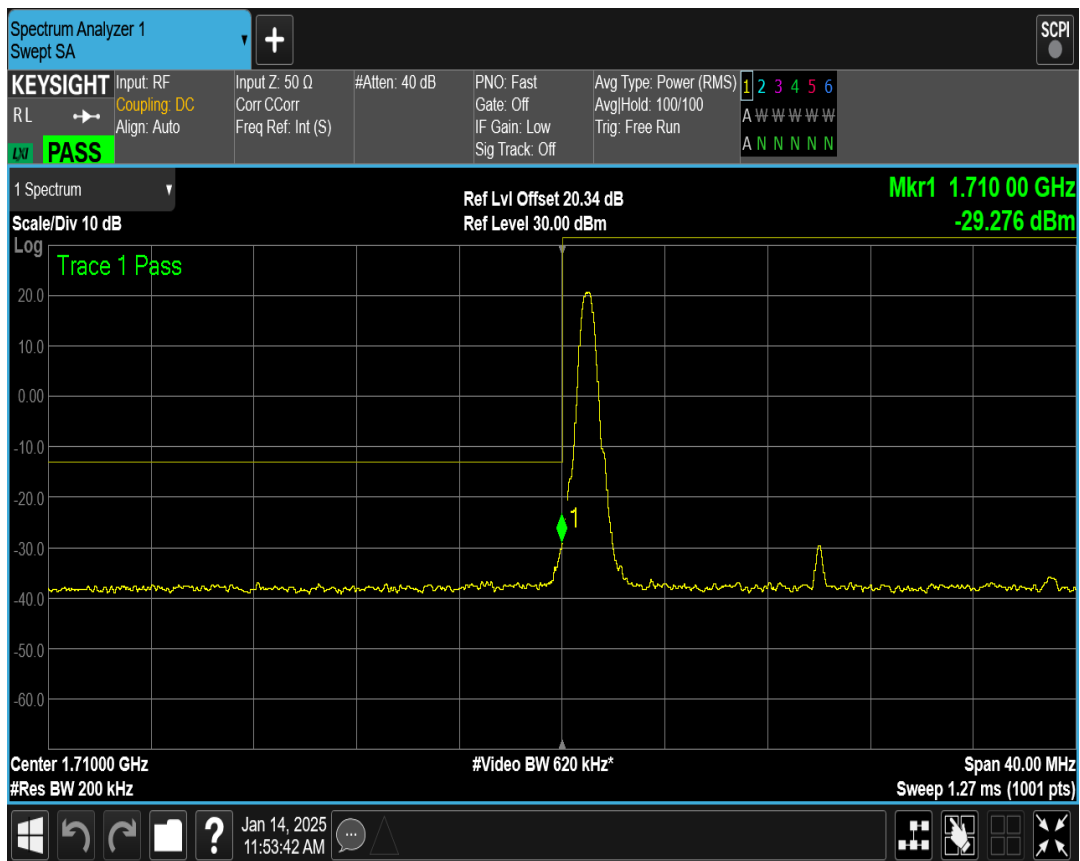
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n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1 @0

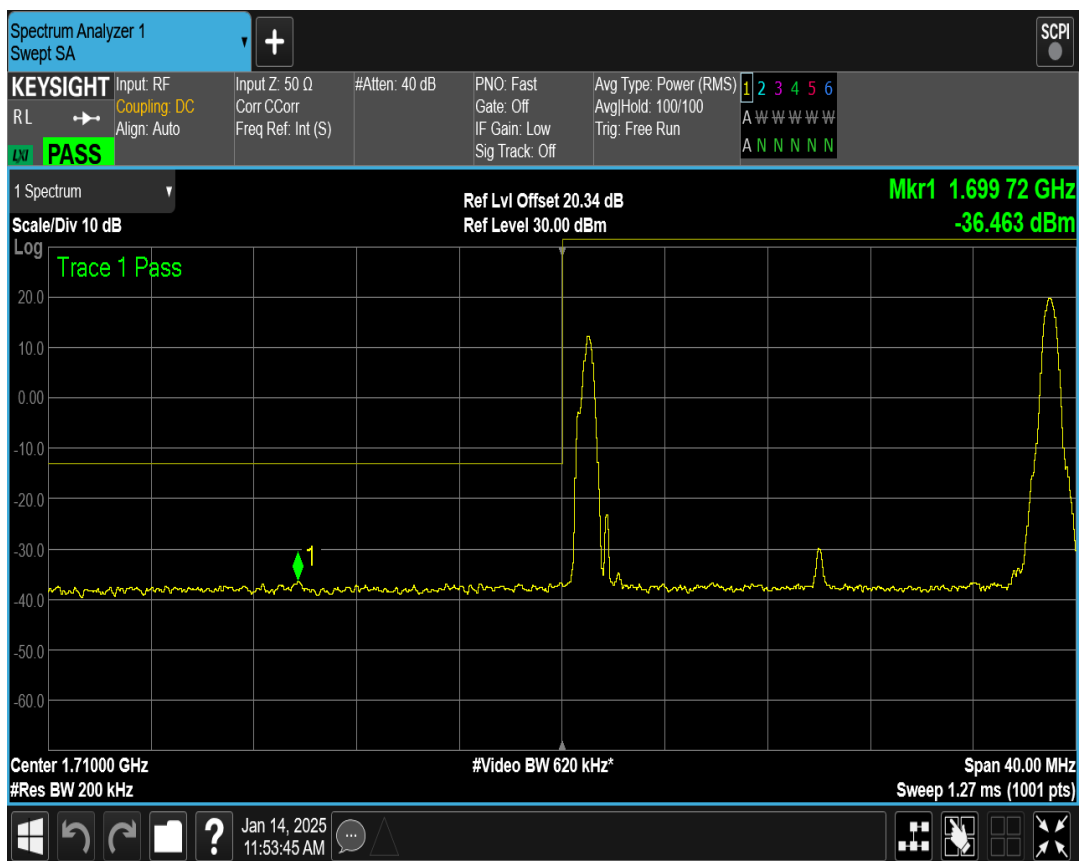


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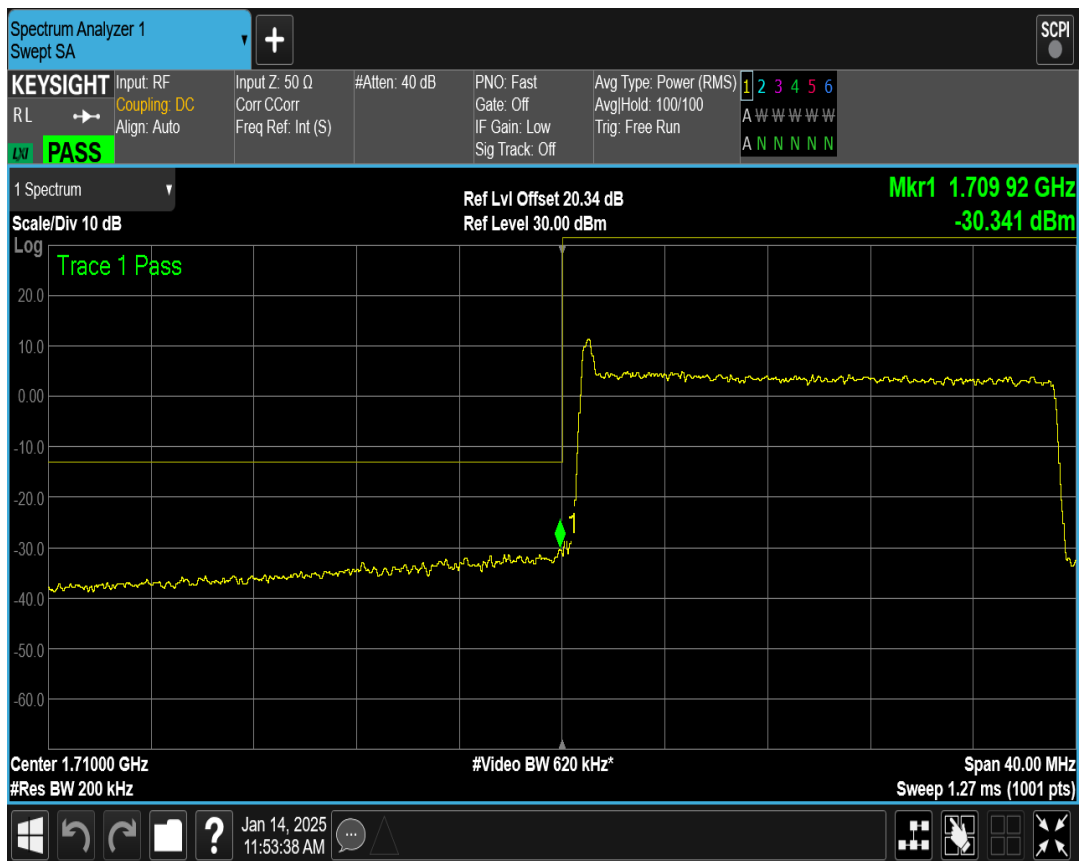




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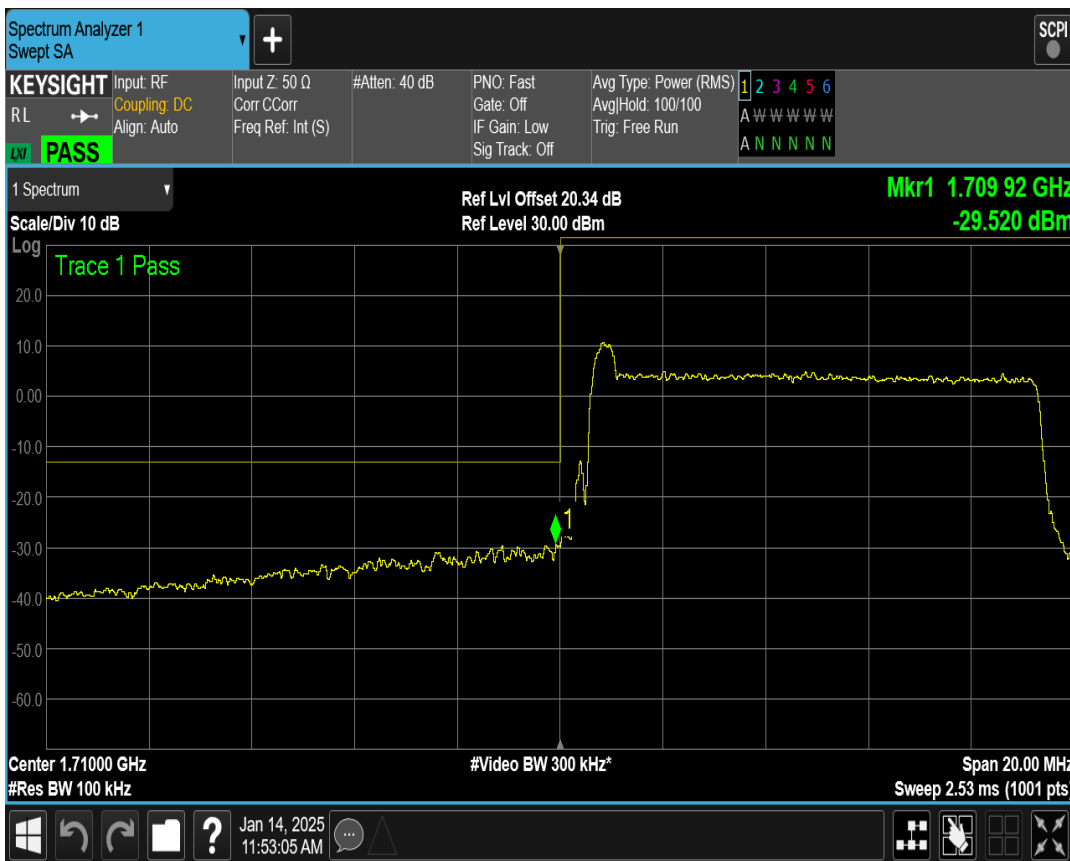
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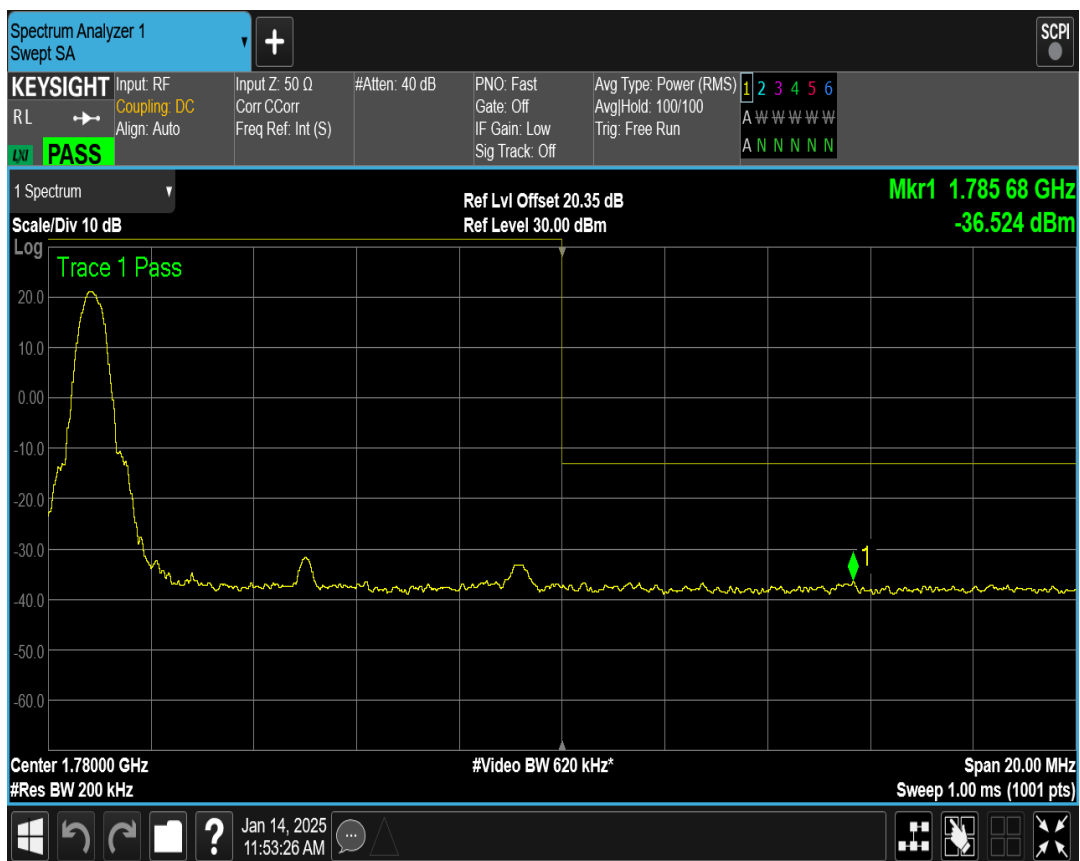
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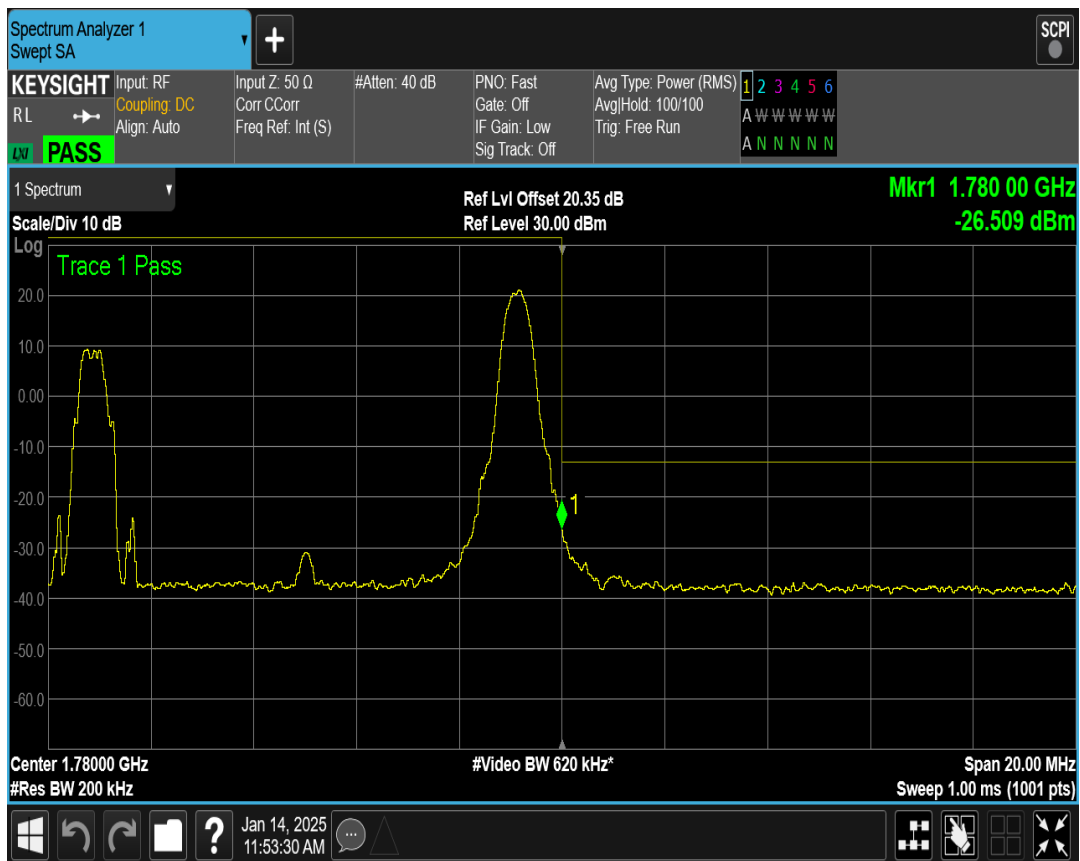
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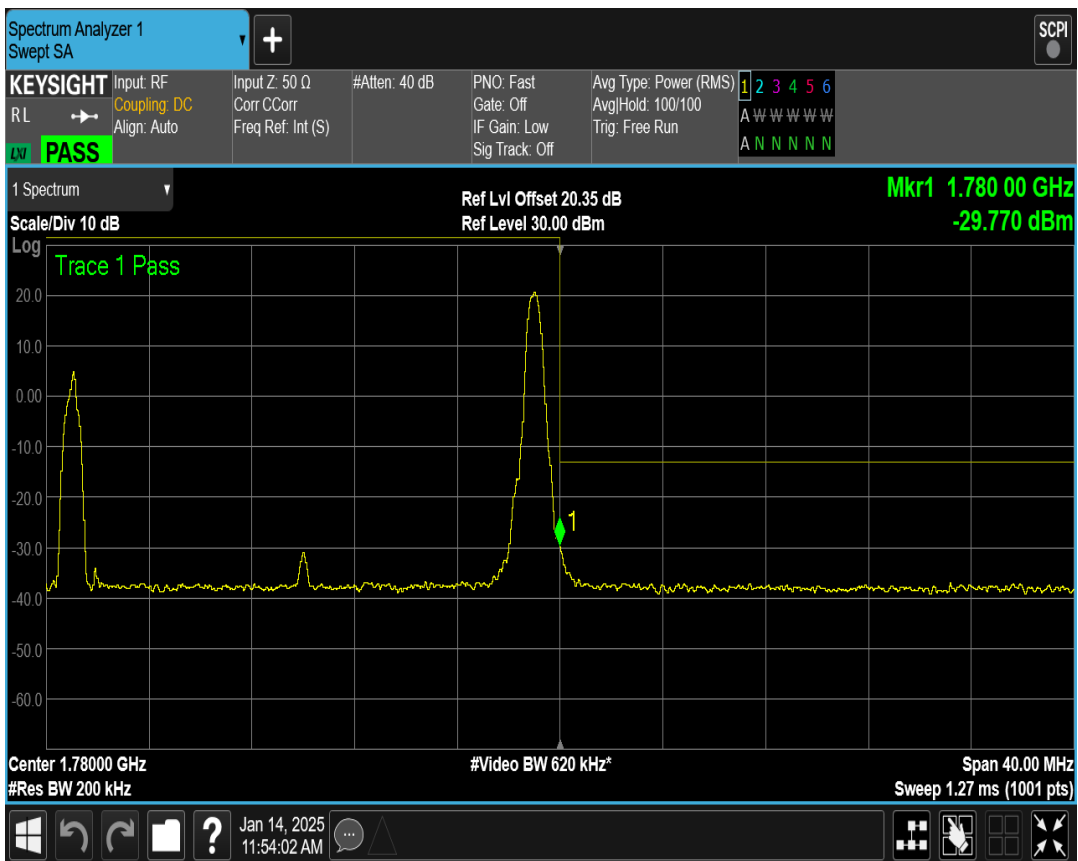
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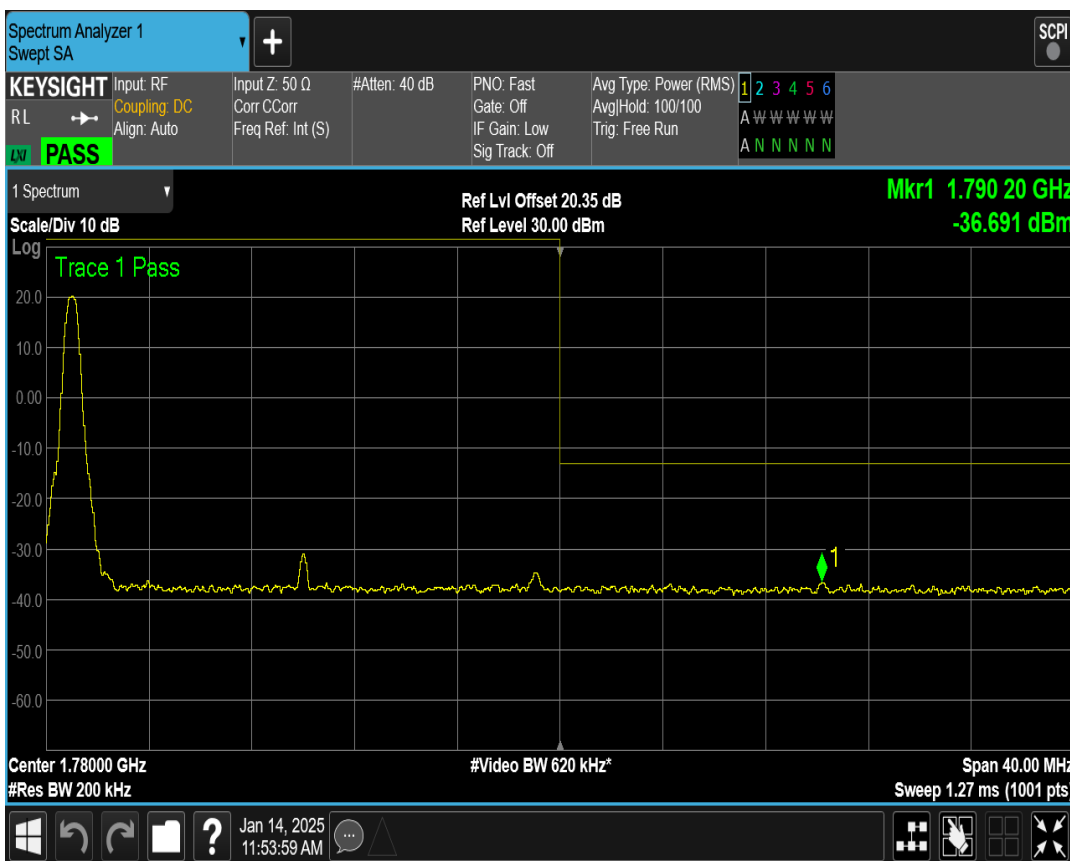
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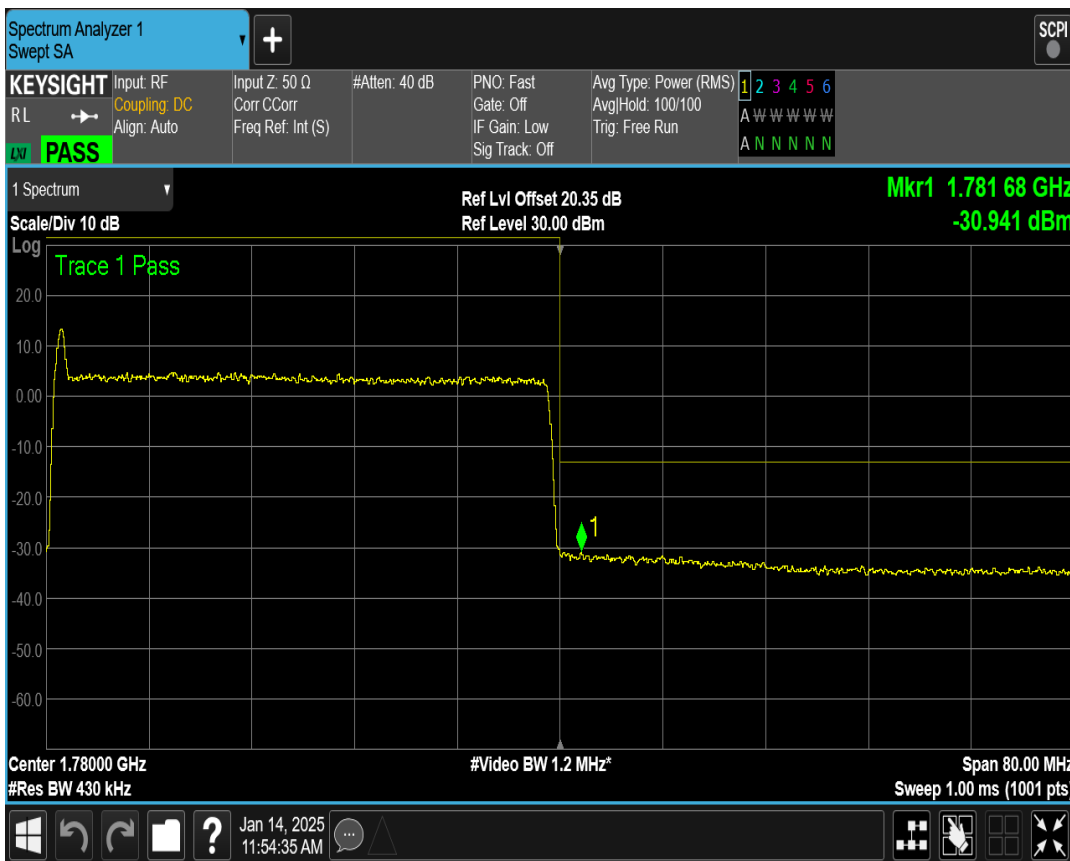
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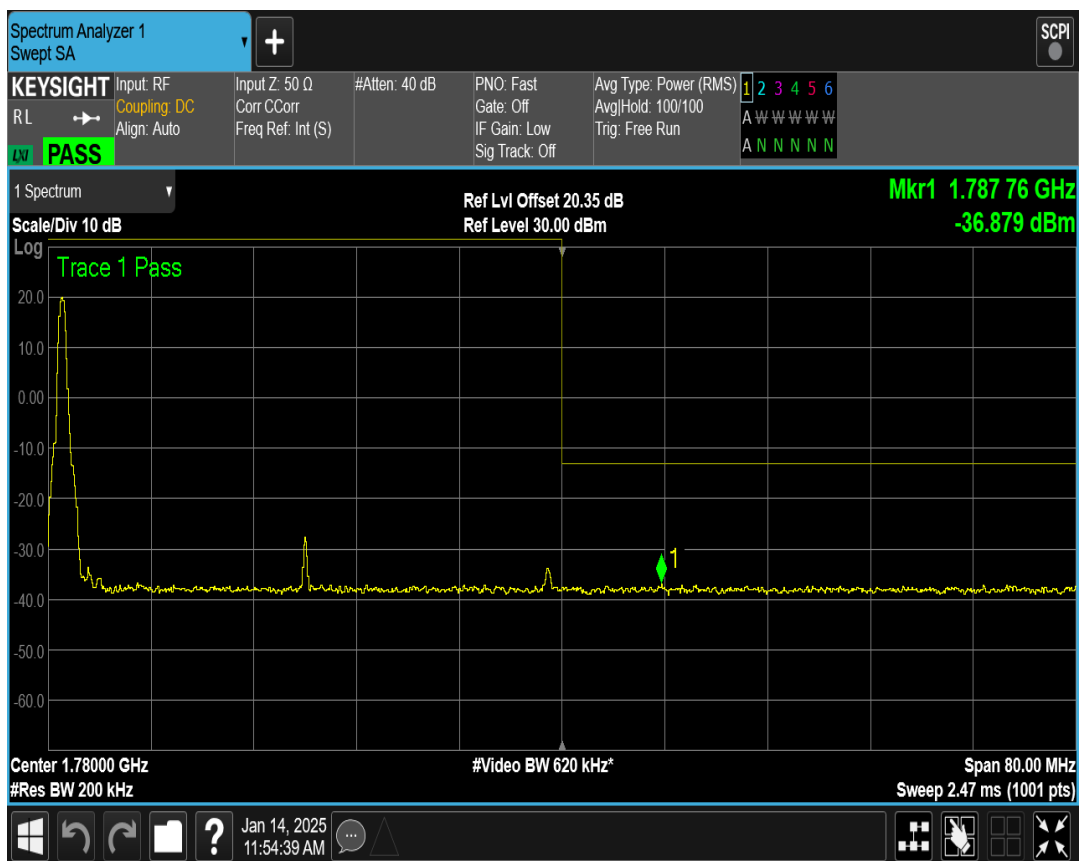
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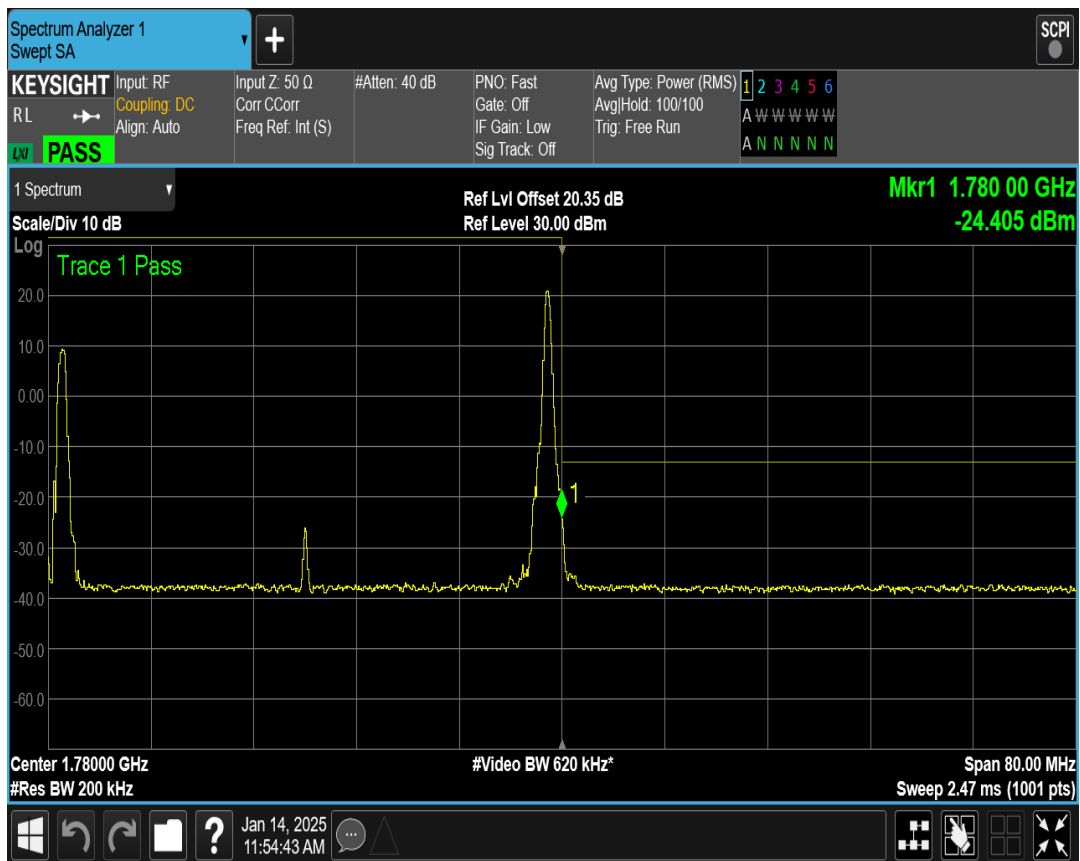
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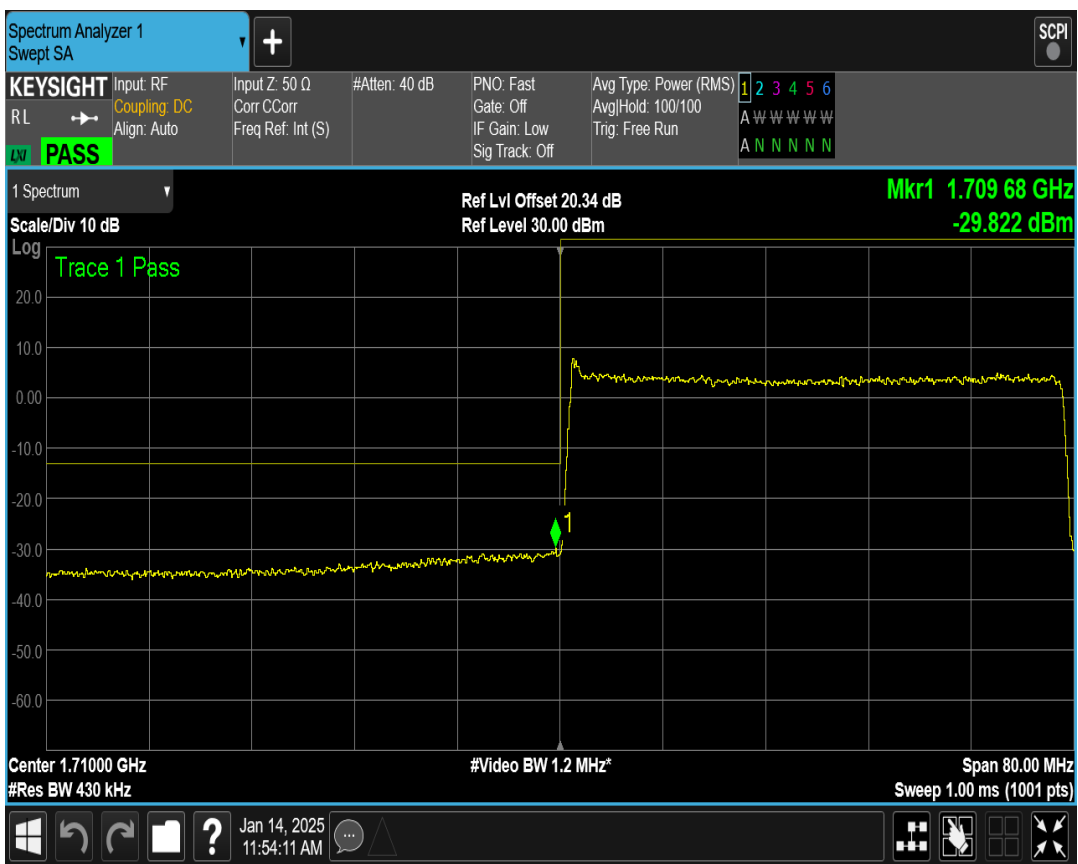
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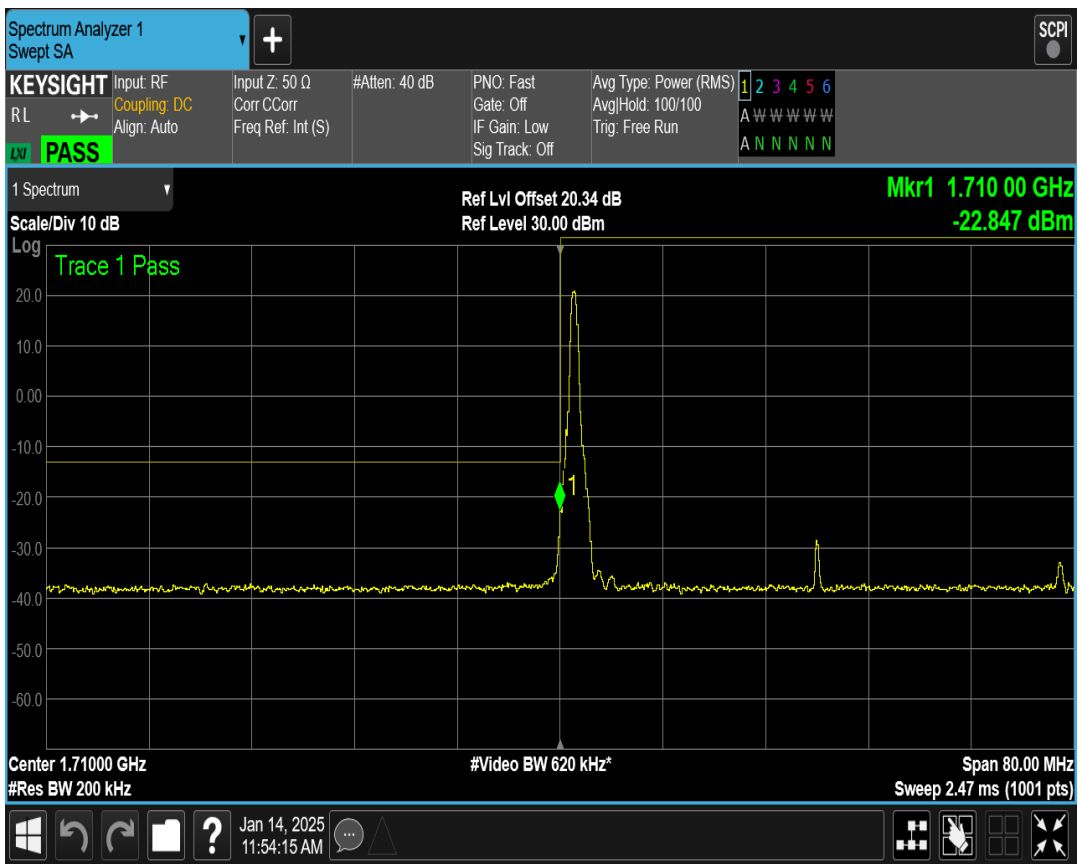
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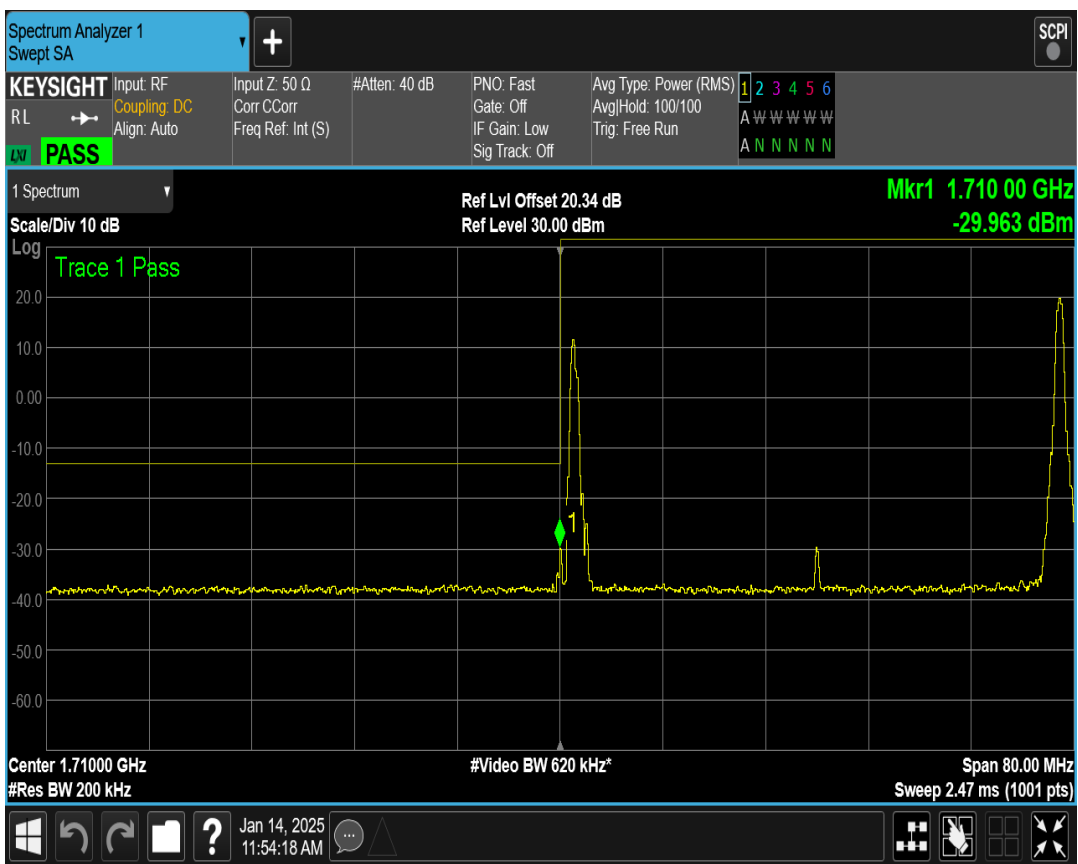
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n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@0



n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@105

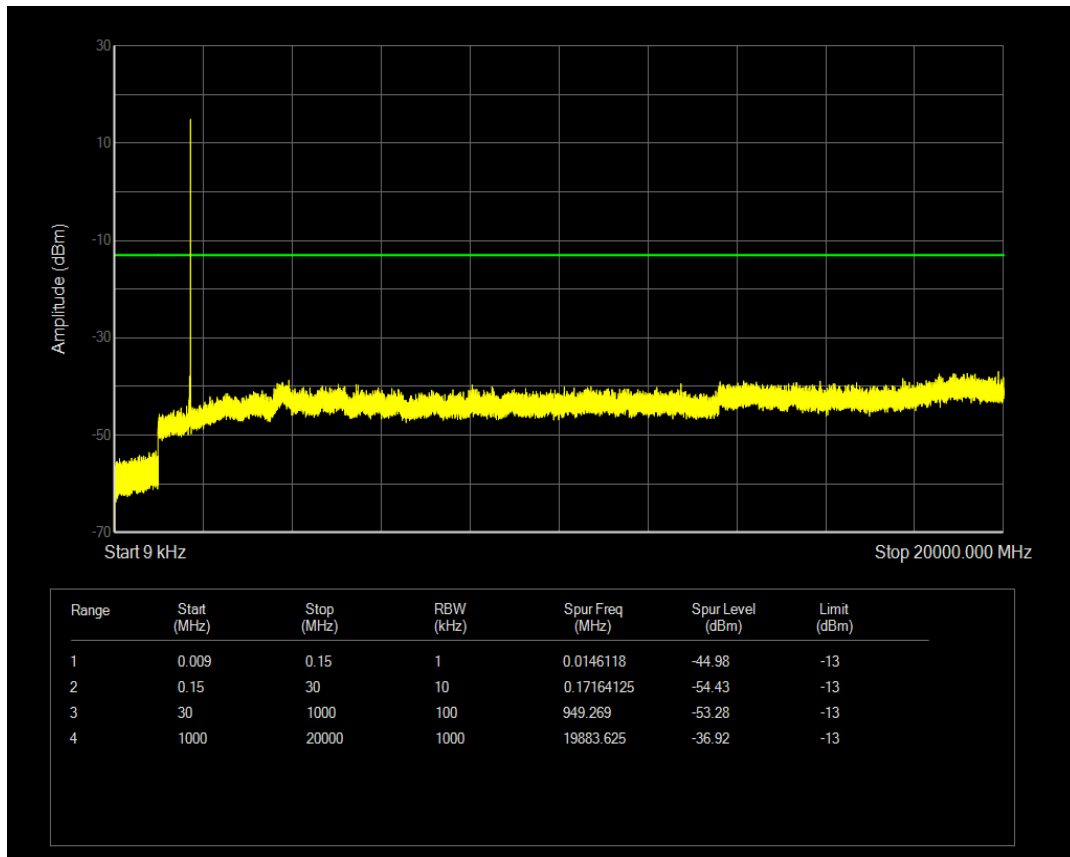




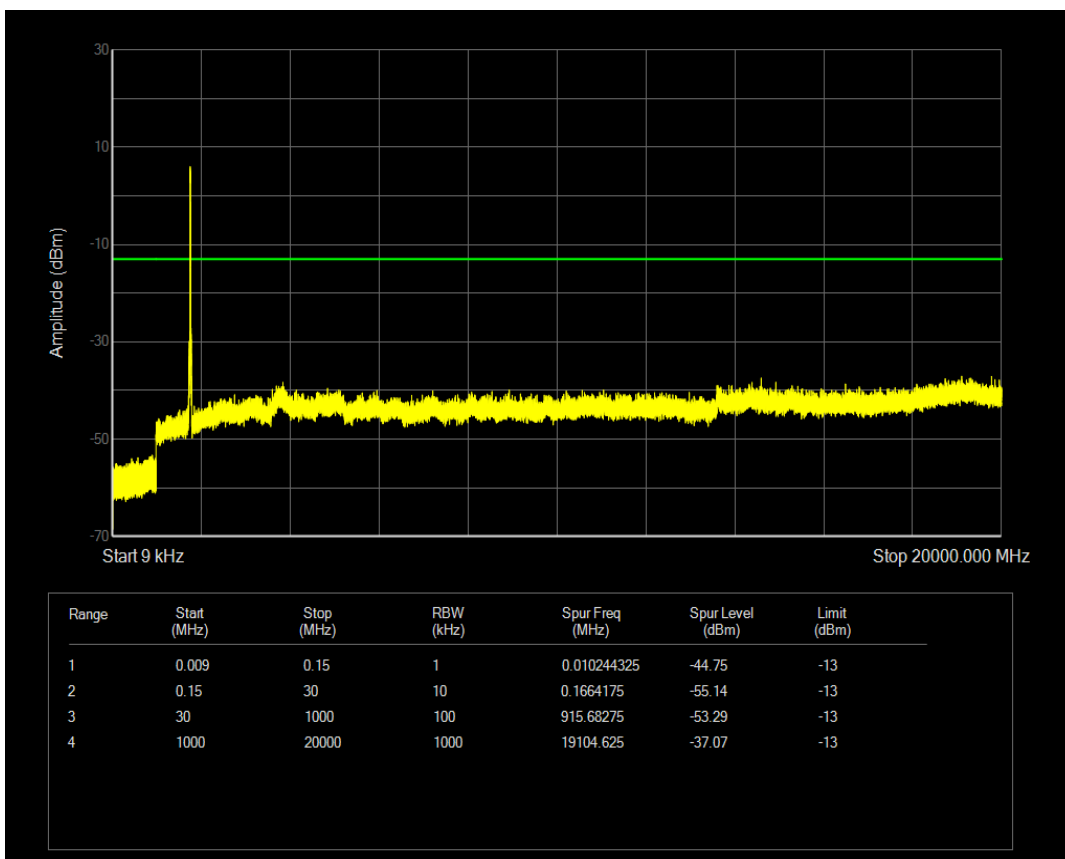
## 6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	19180.63	-36.50	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	18869.50	-37.16	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	19494.13	-36.22	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	19363.03	-37.11	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	19138.83	-37.25	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	19233.35	-36.49	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	19096.08	-37.18	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	19274.20	-37.02	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	19883.63	-36.92	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	19104.63	-37.07	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	18848.60	-36.30	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	19321.70	-36.93	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	19377.75	-37.48	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	19043.35	-36.55	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	19789.10	-35.93	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	19446.15	-37.10	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	19514.55	-36.25	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	18987.78	-36.38	-13	PASS

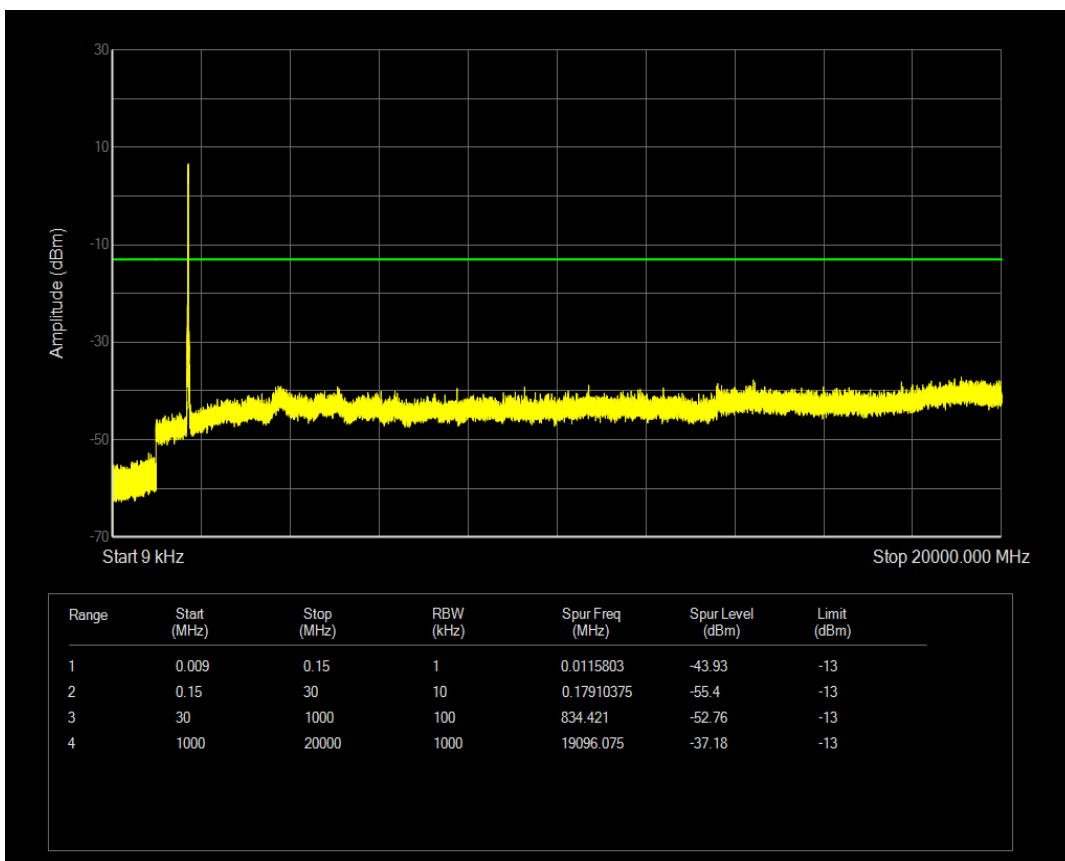
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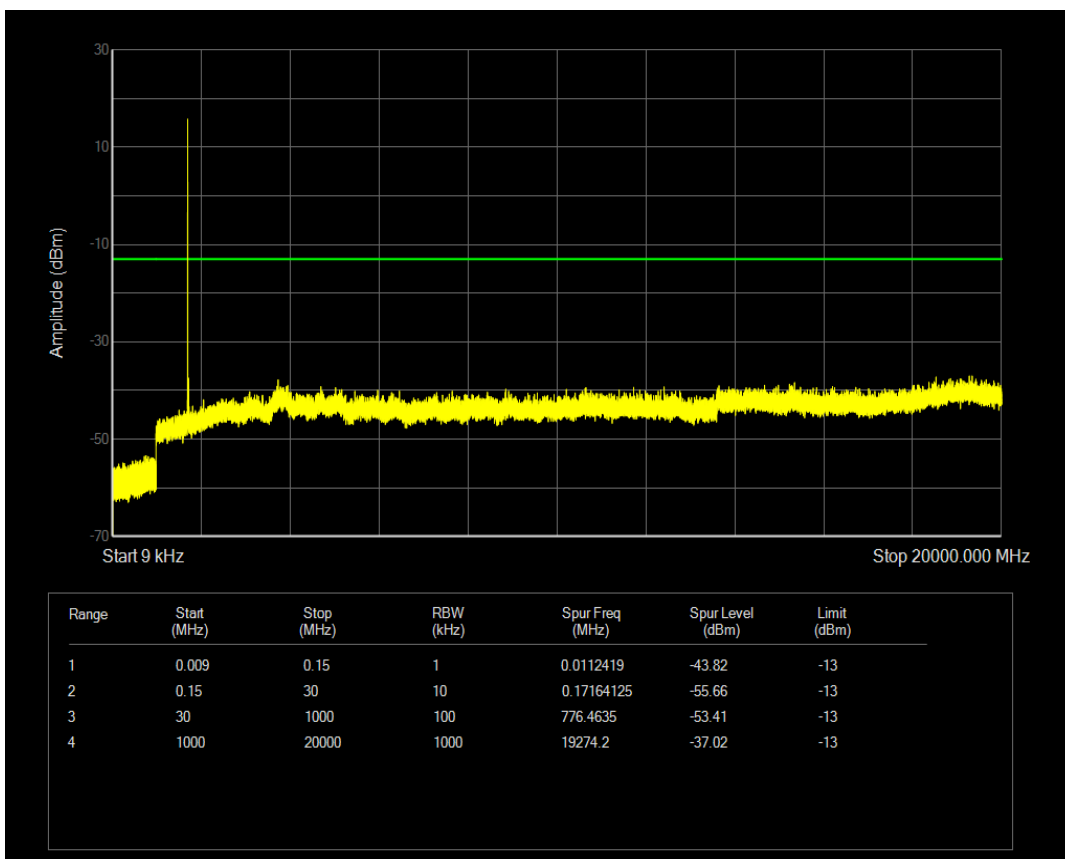
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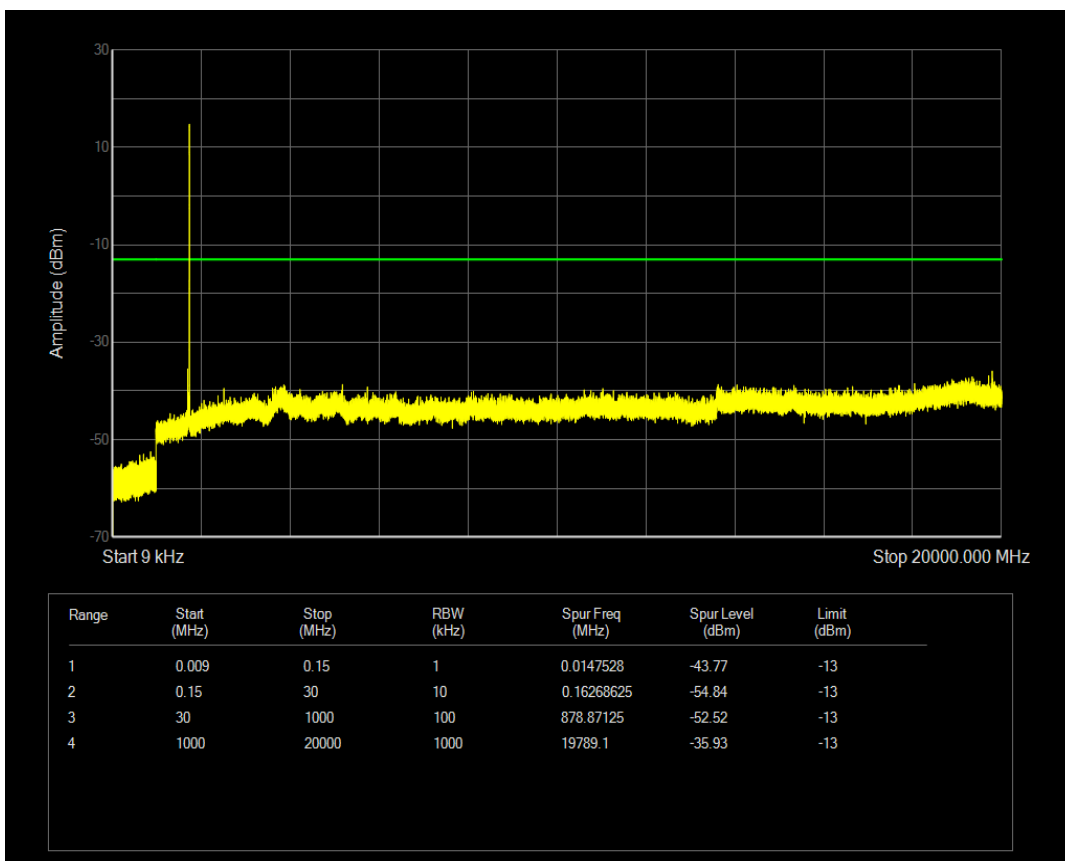
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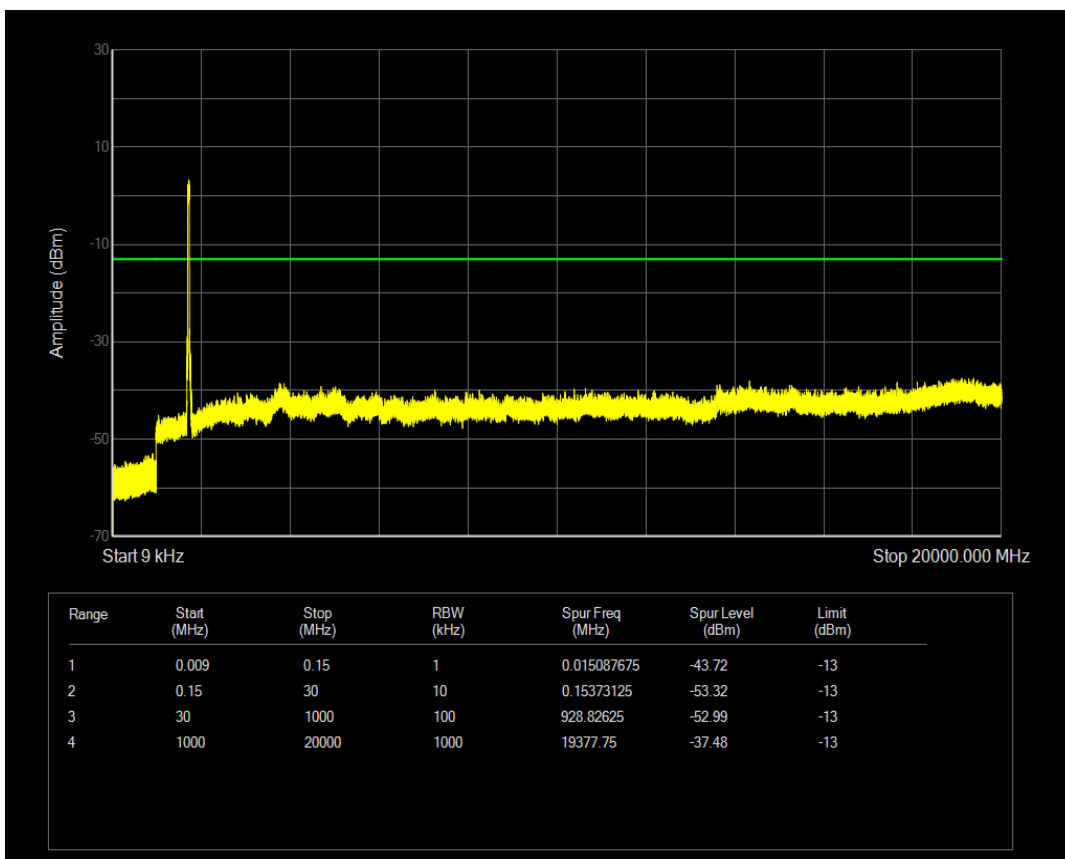
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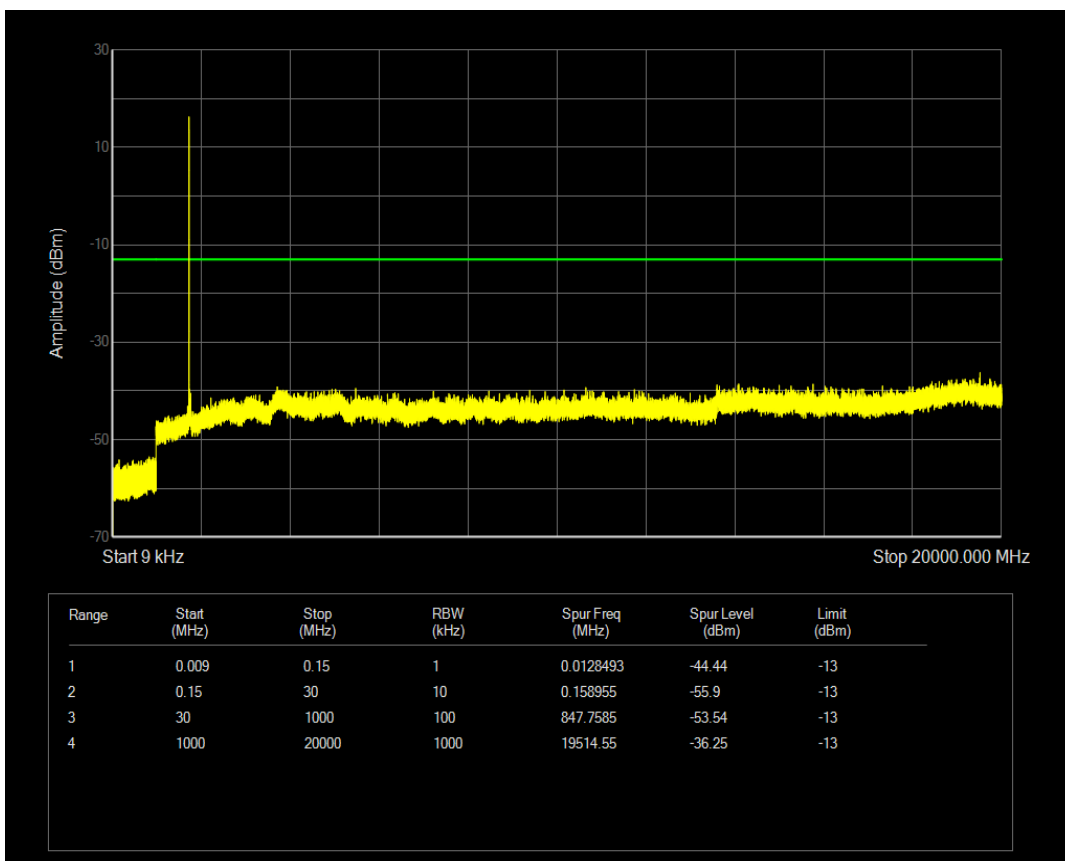
**n66 SCS=15kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@215**



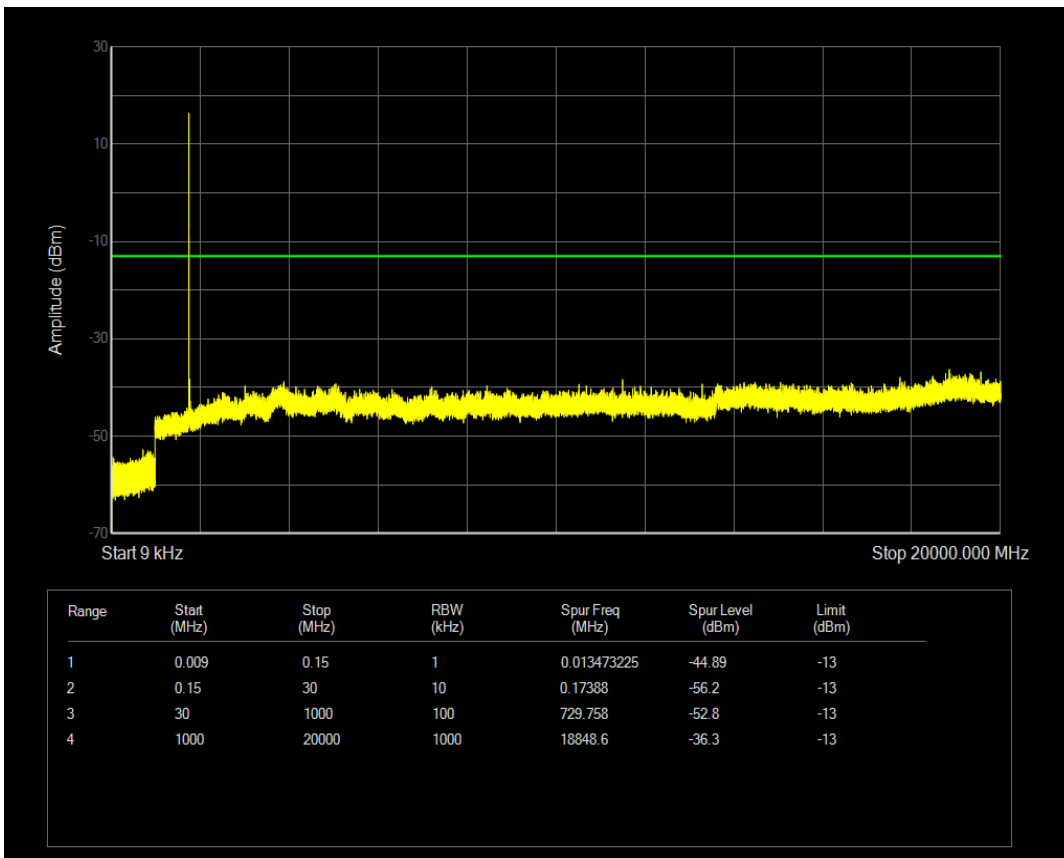
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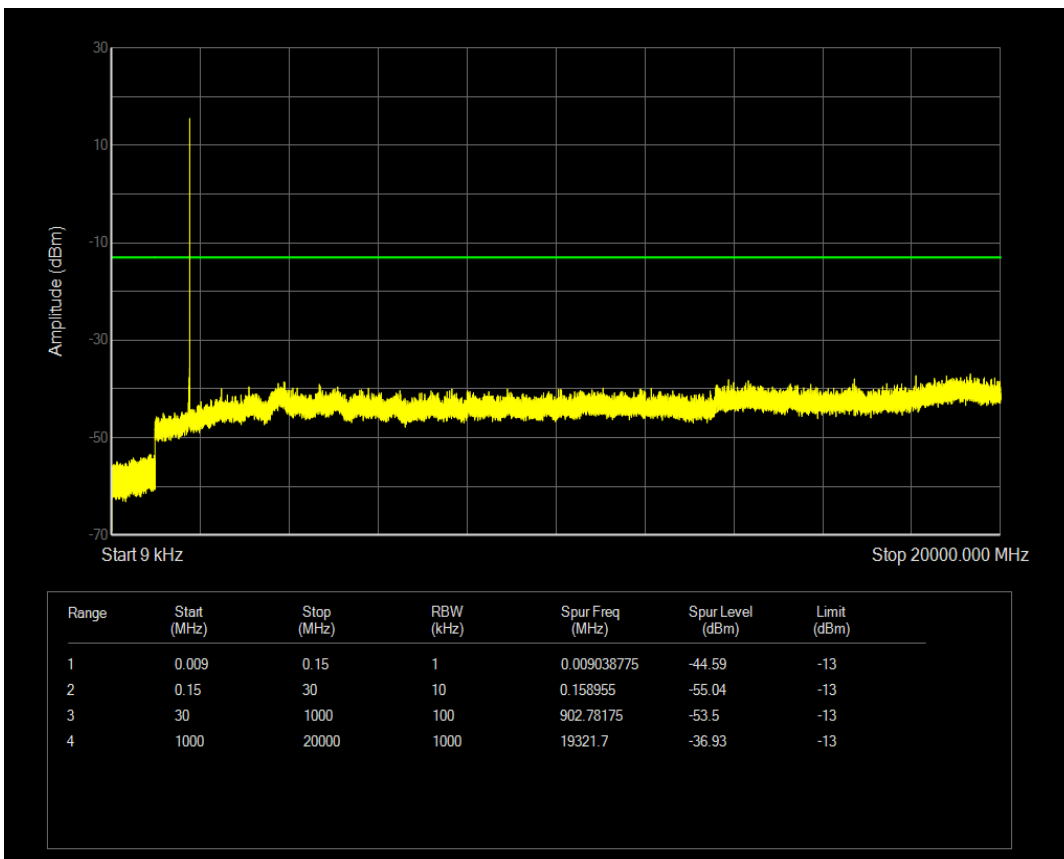
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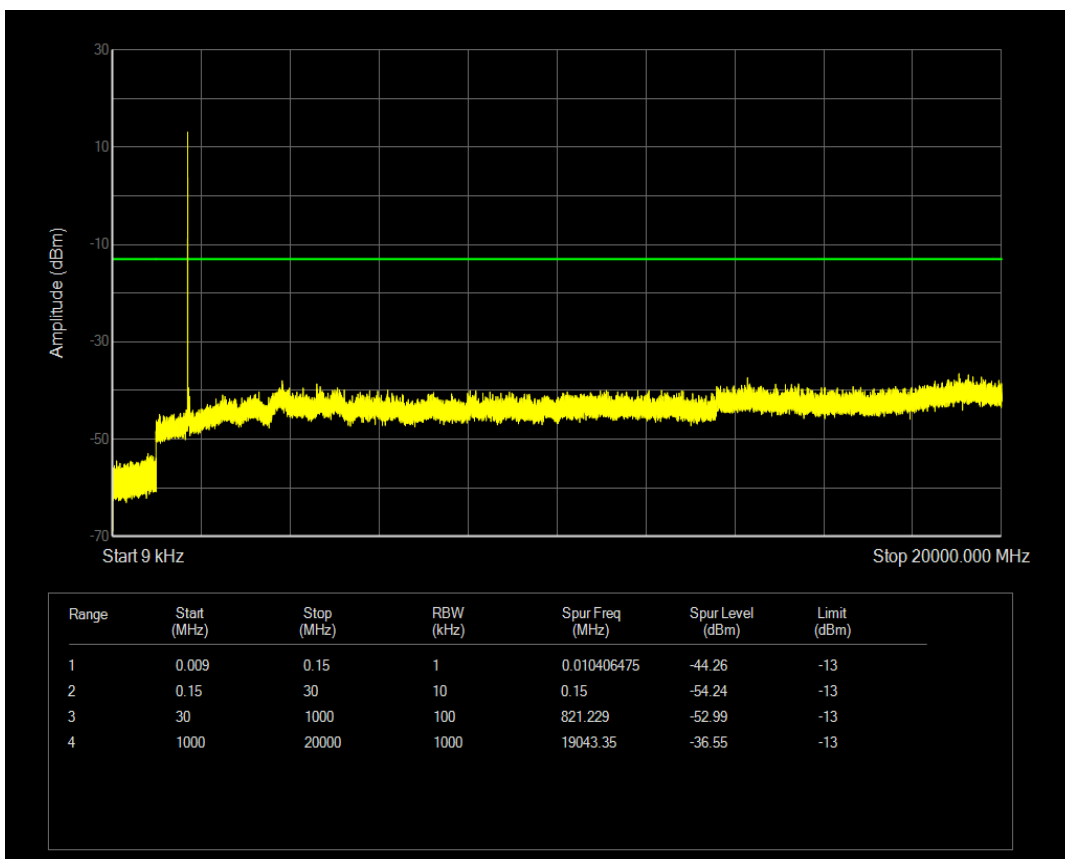
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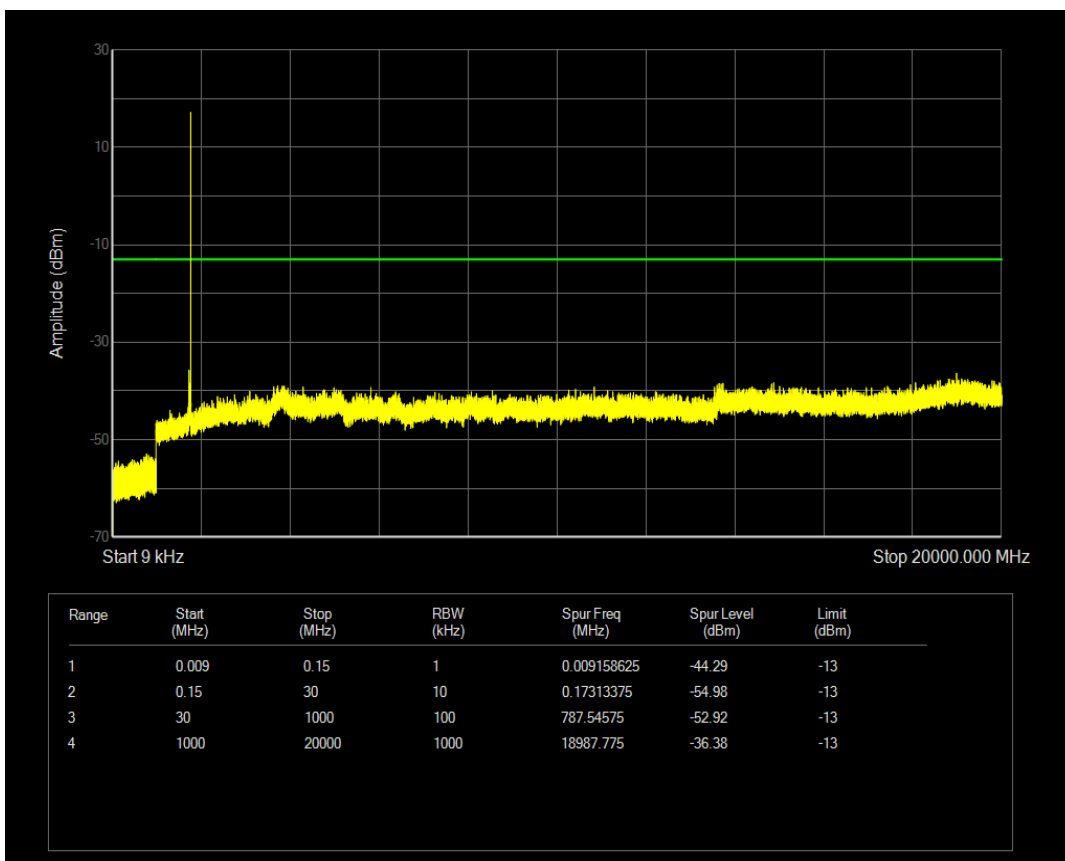
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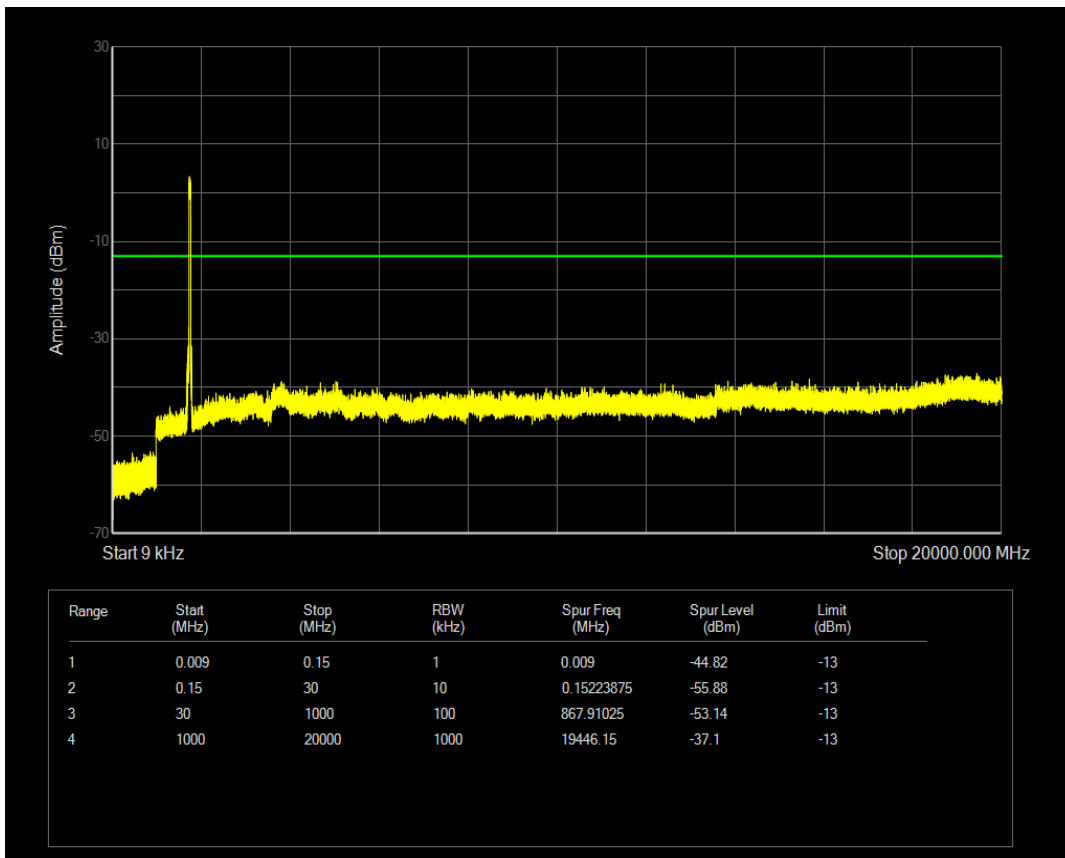
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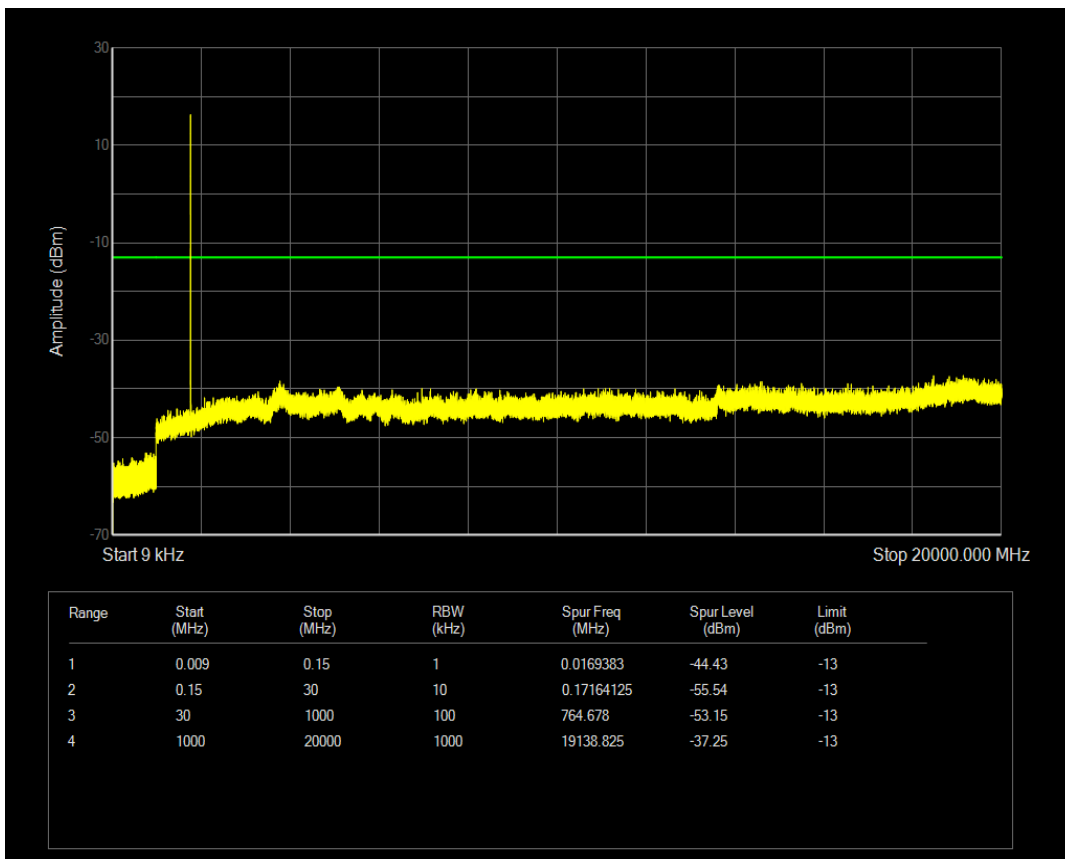
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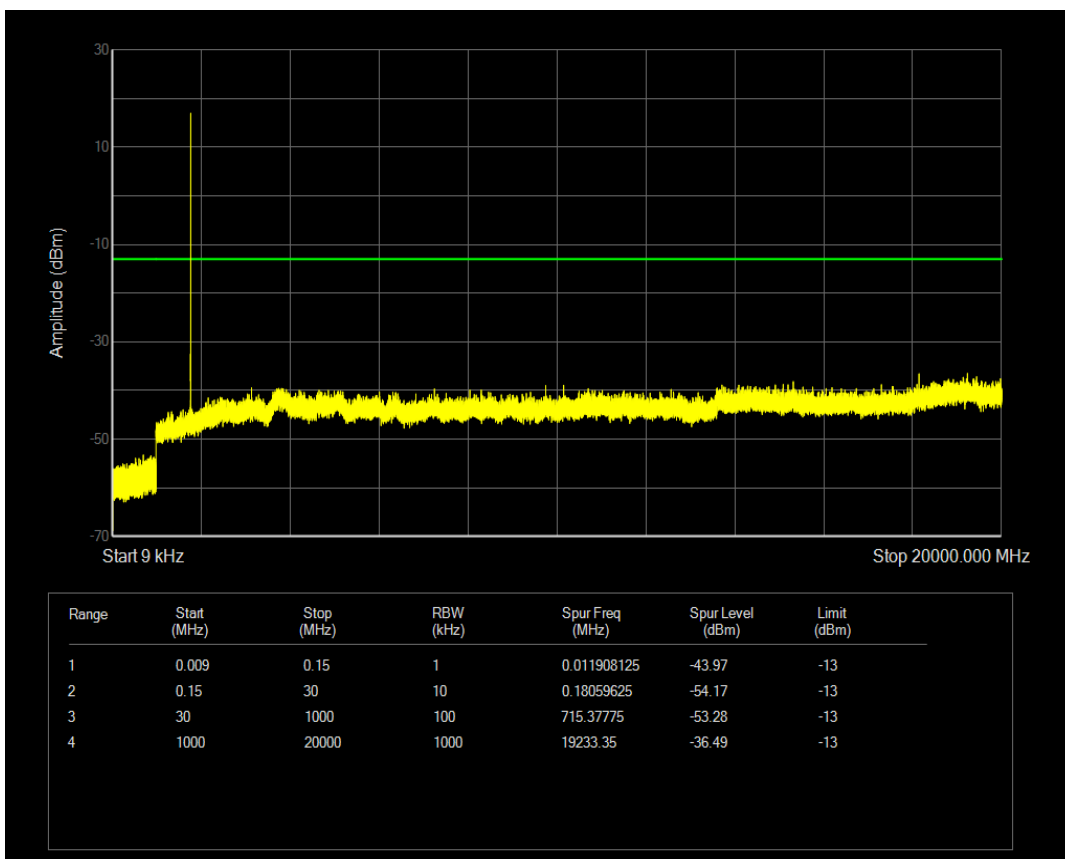
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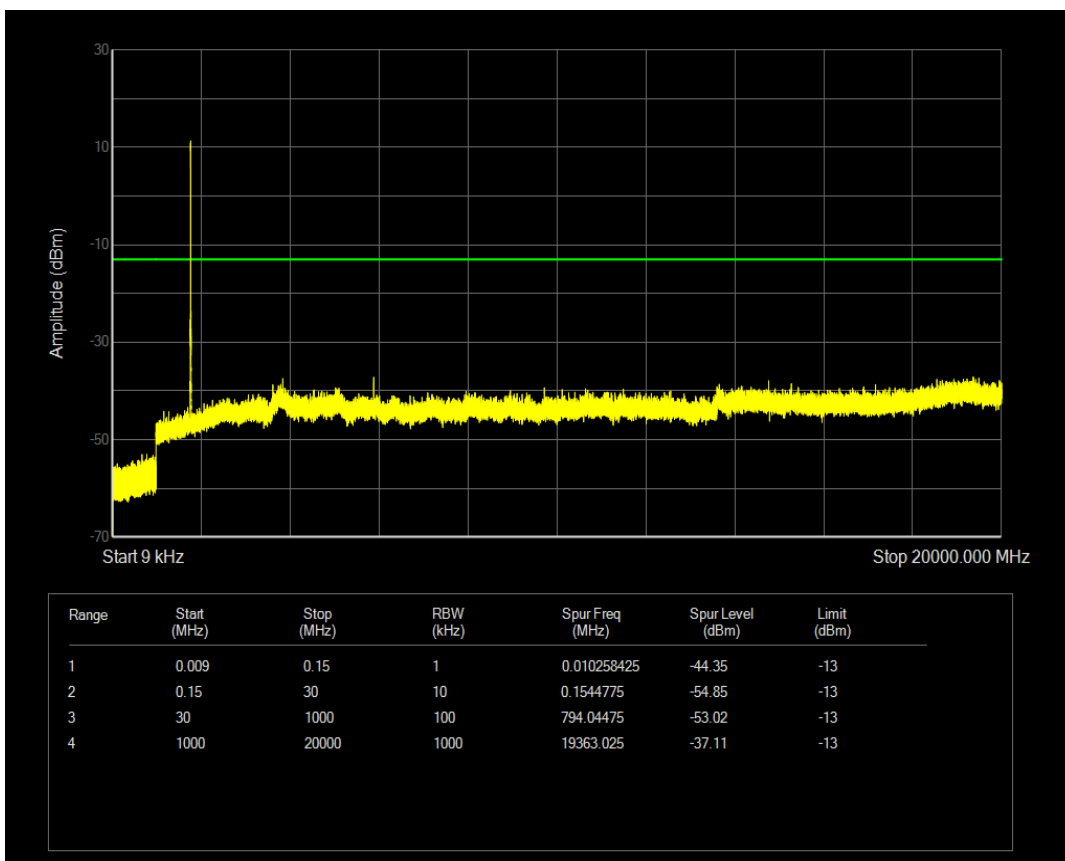
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**n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=1@24**

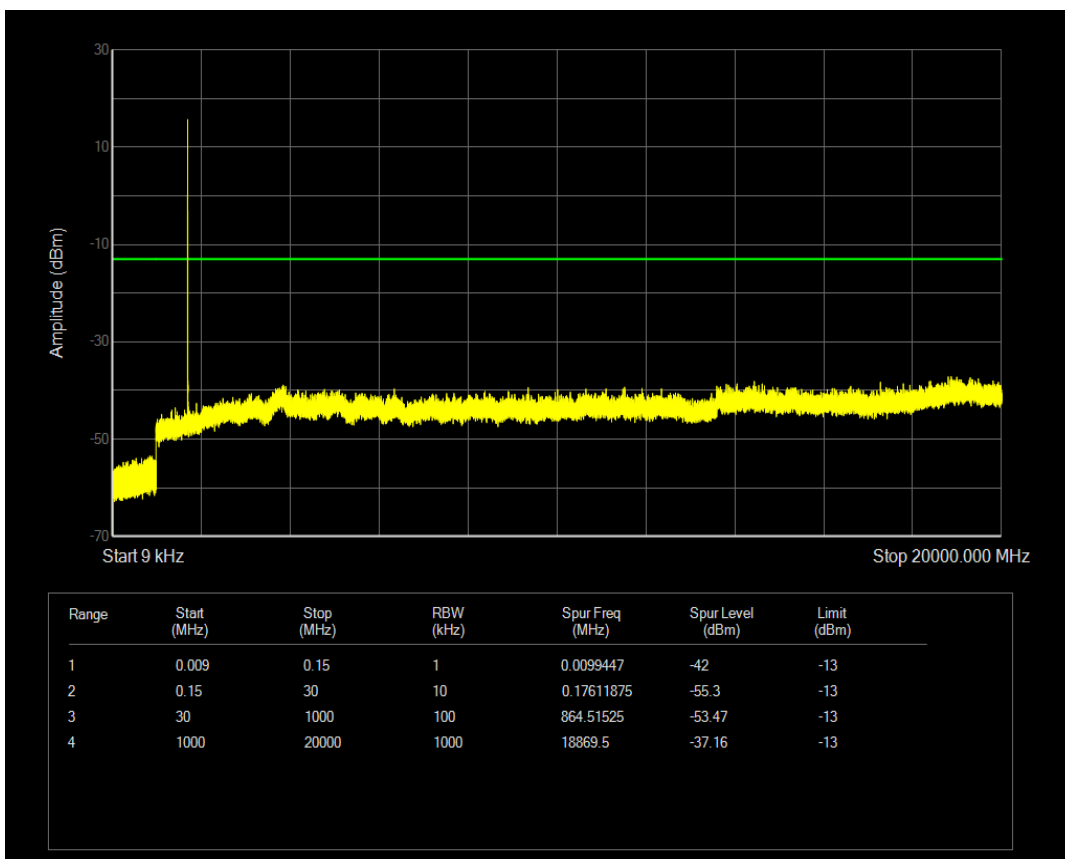


**n66 SCS=15kHz CP\_QPSK BW=5MHz Channel=355500 RB=25@0**

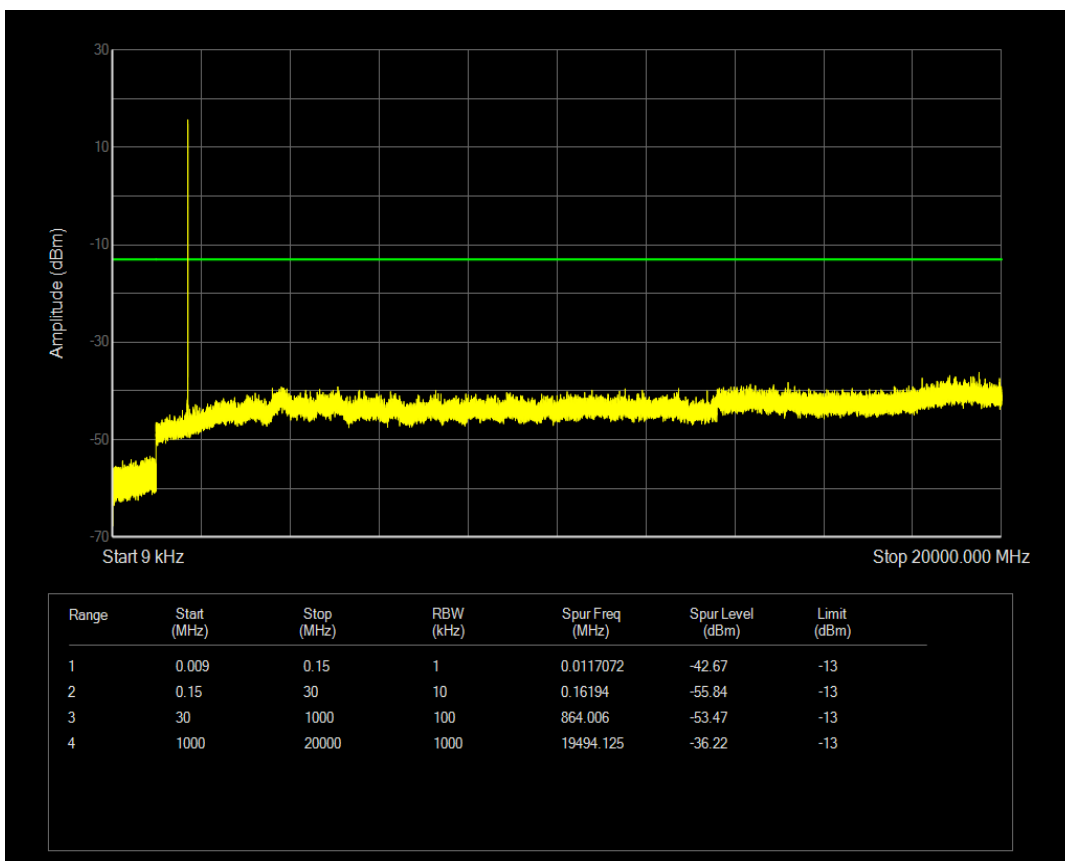




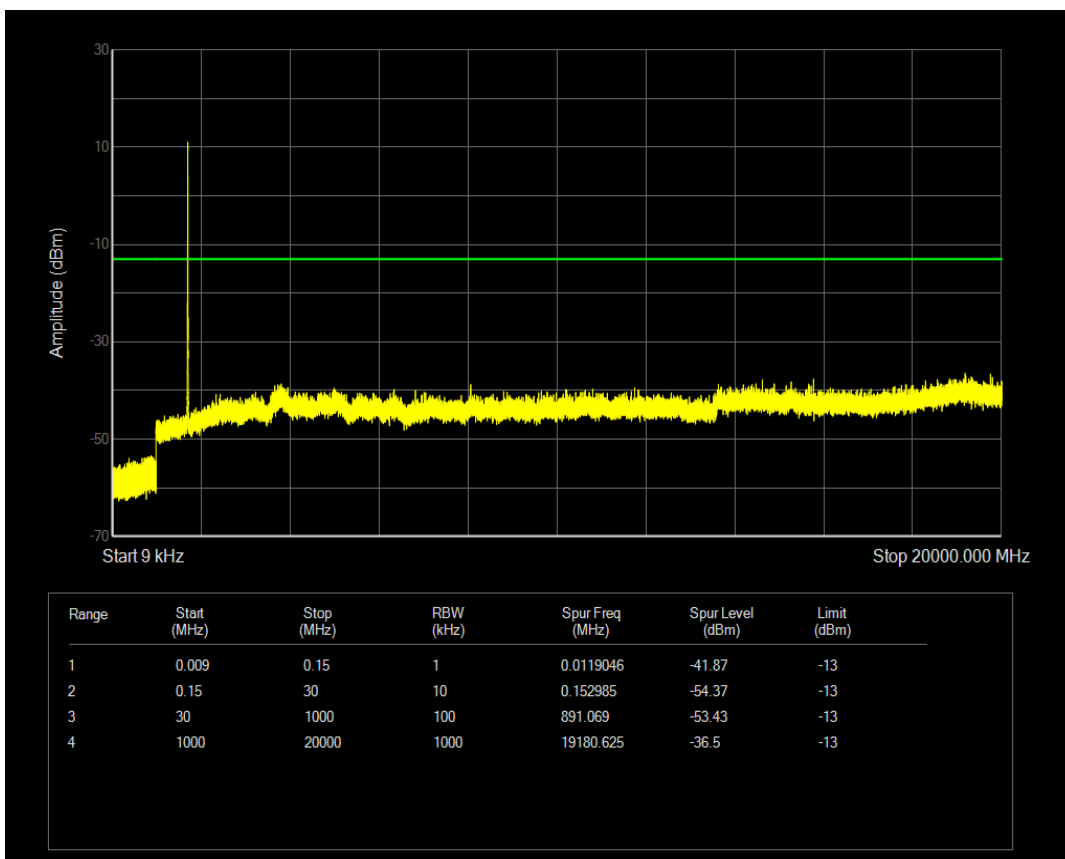
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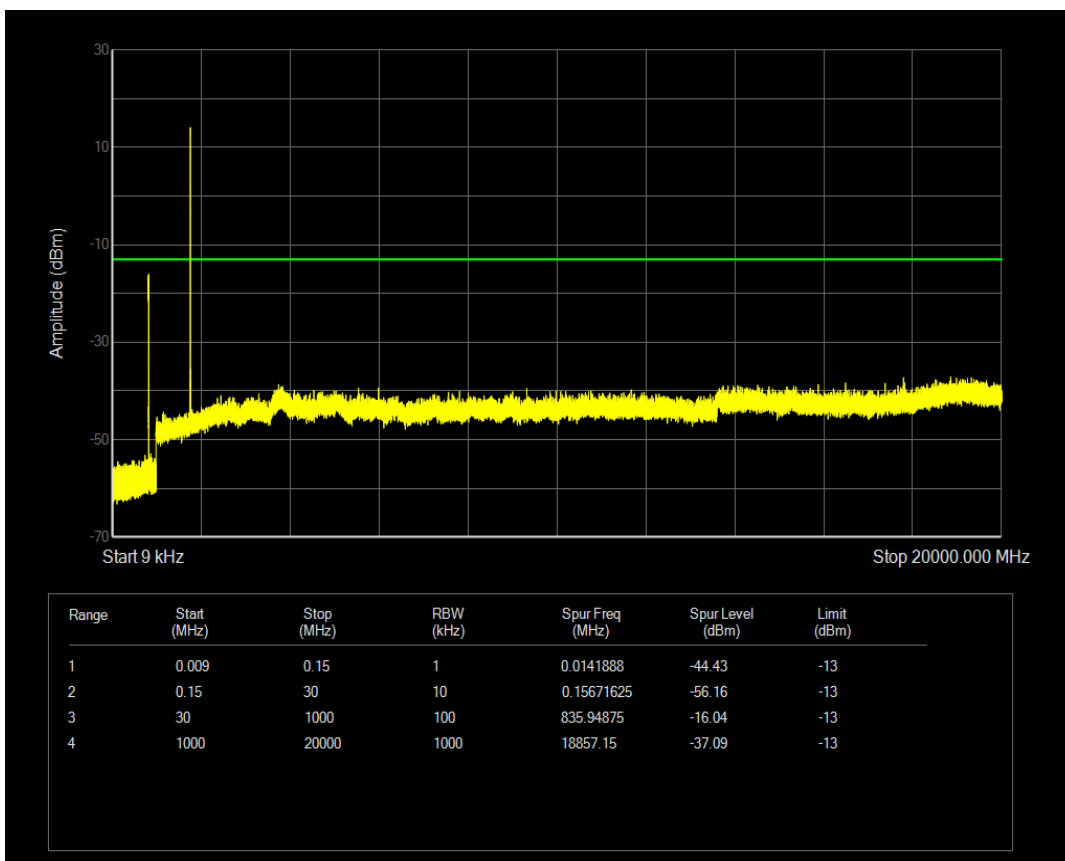
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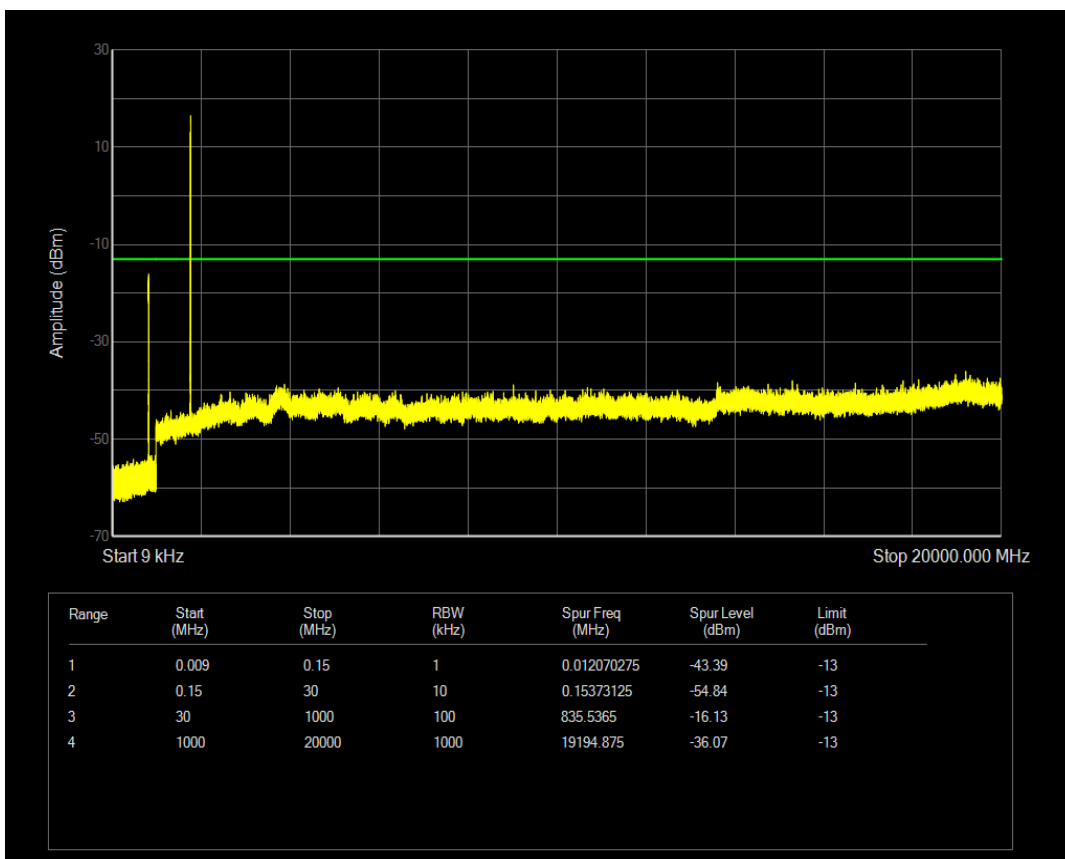
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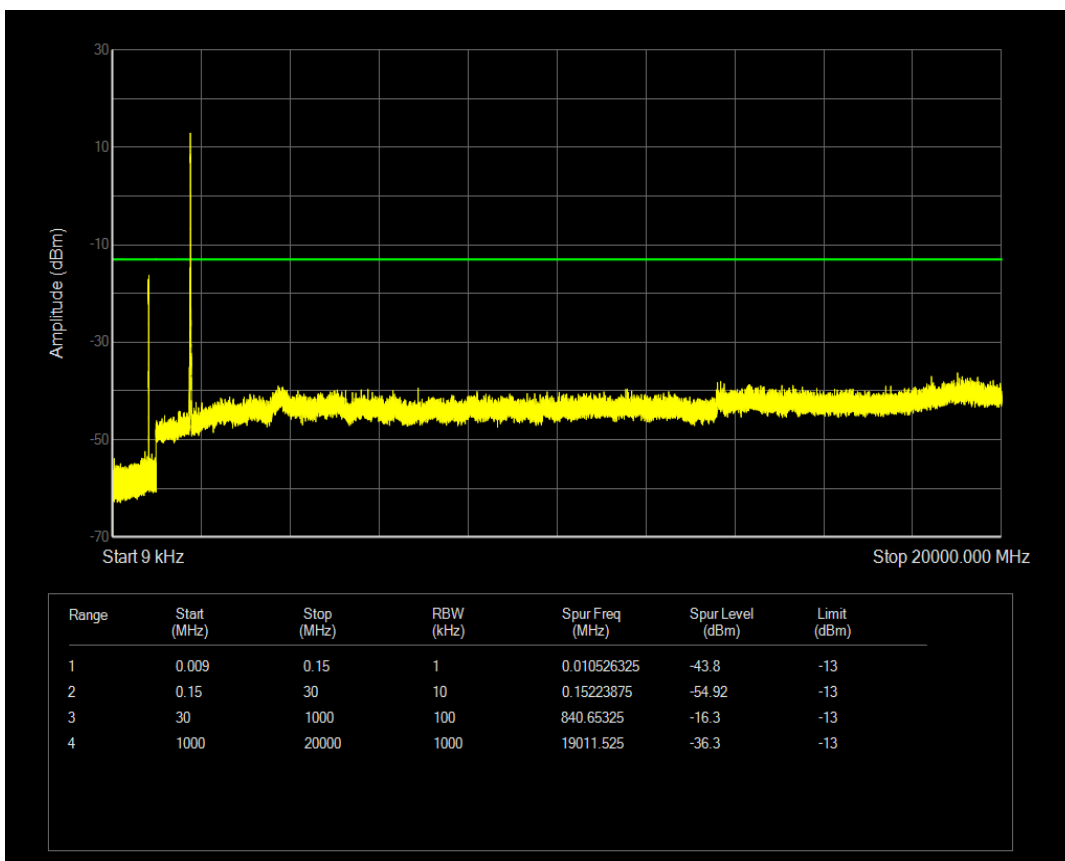
**n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=355000 RB=1@0**



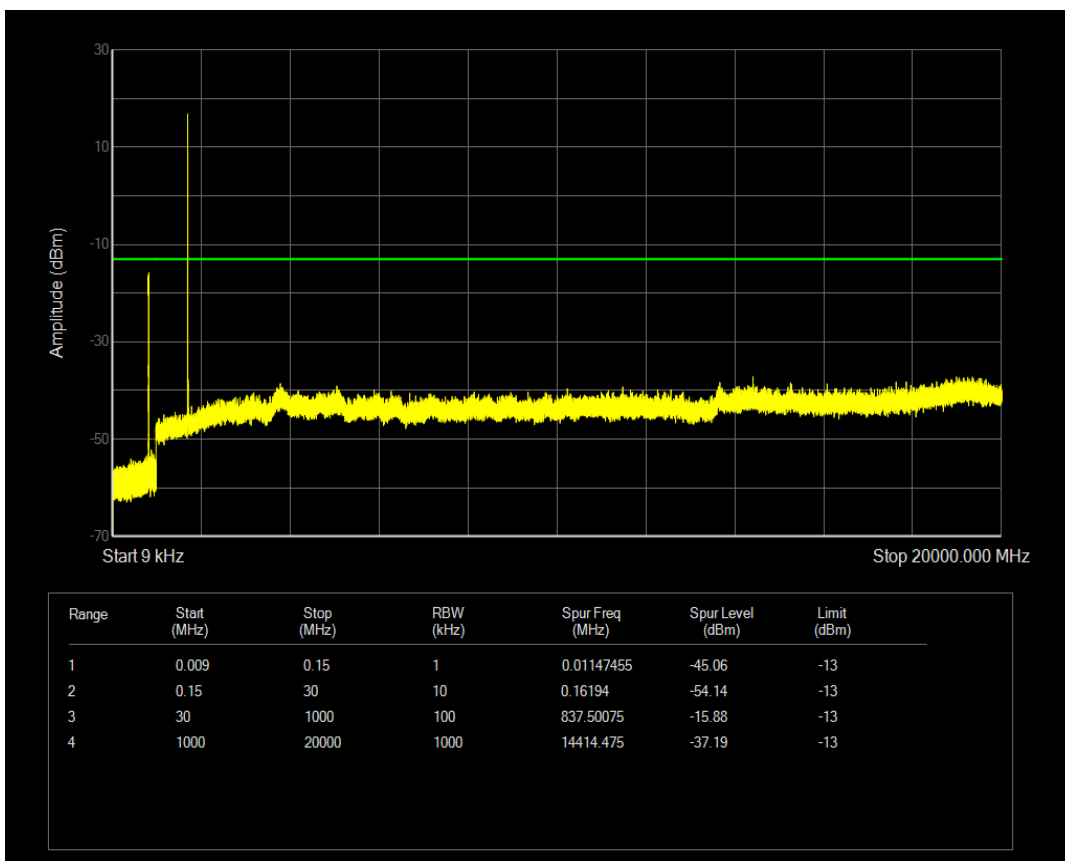
*n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=355000 RB=1 @23*



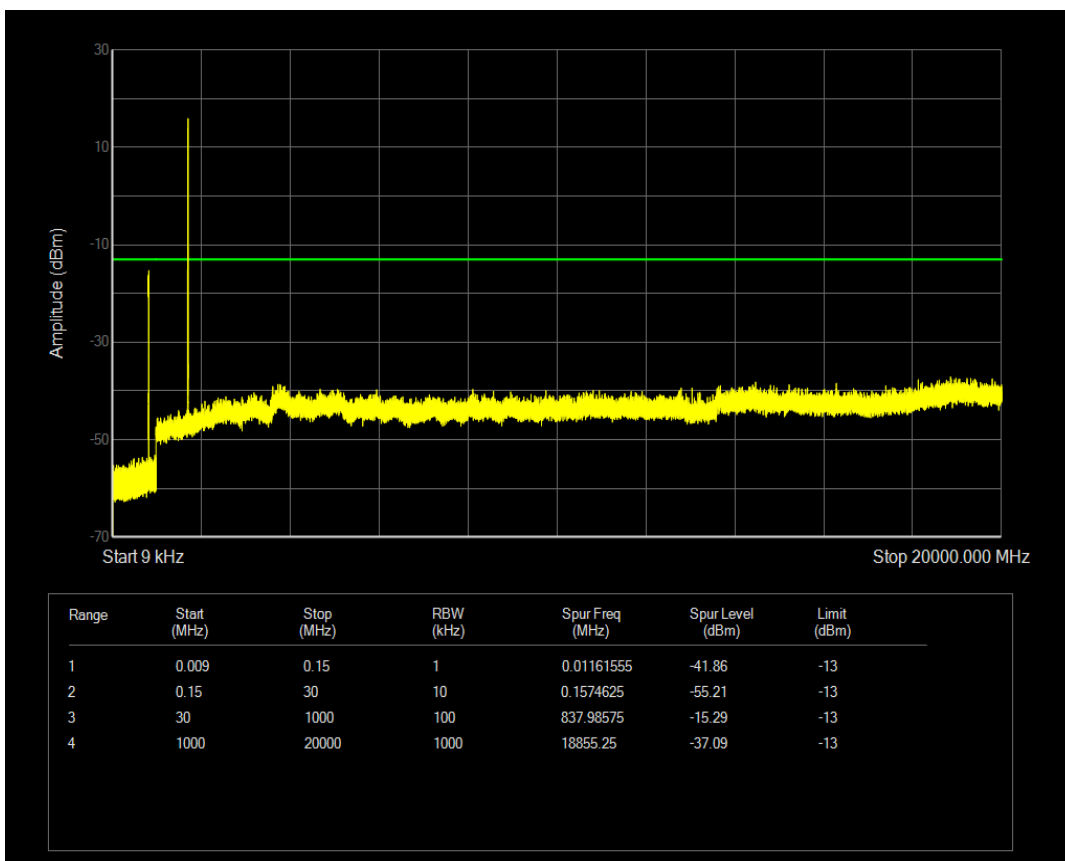
*n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=355000 RB=24 @0*



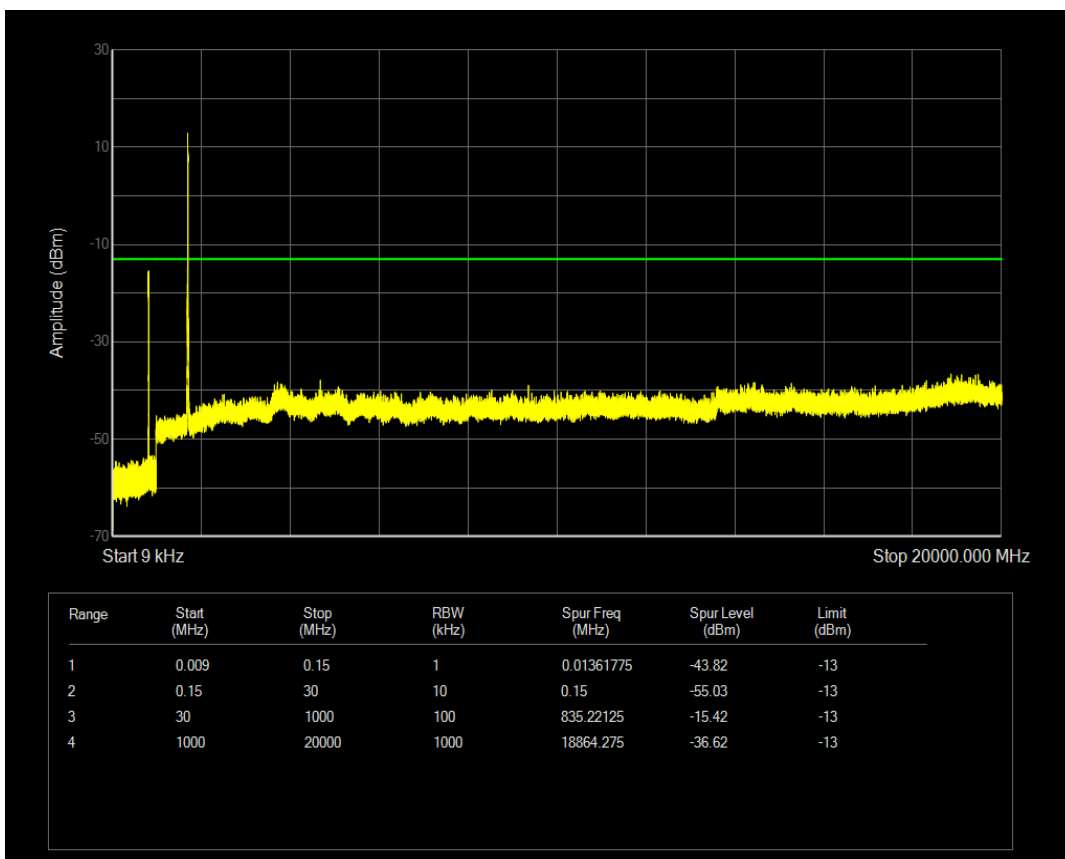
n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=343000 RB=1@0



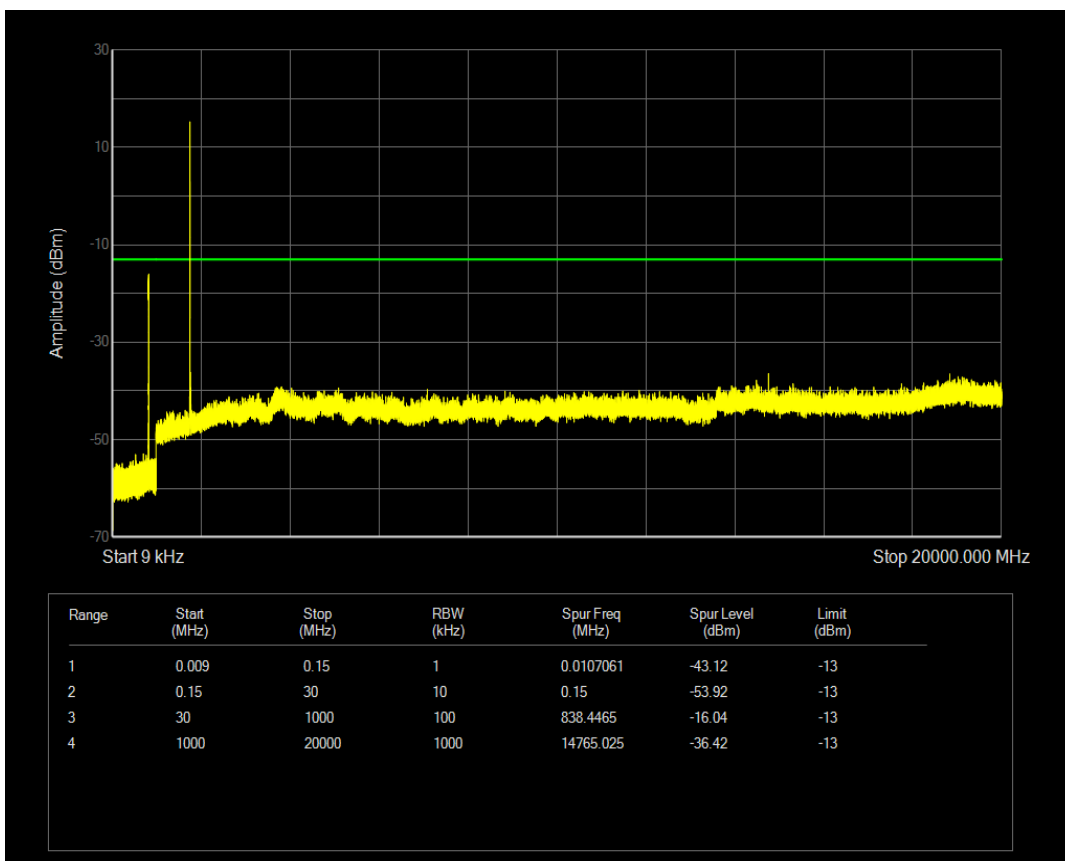
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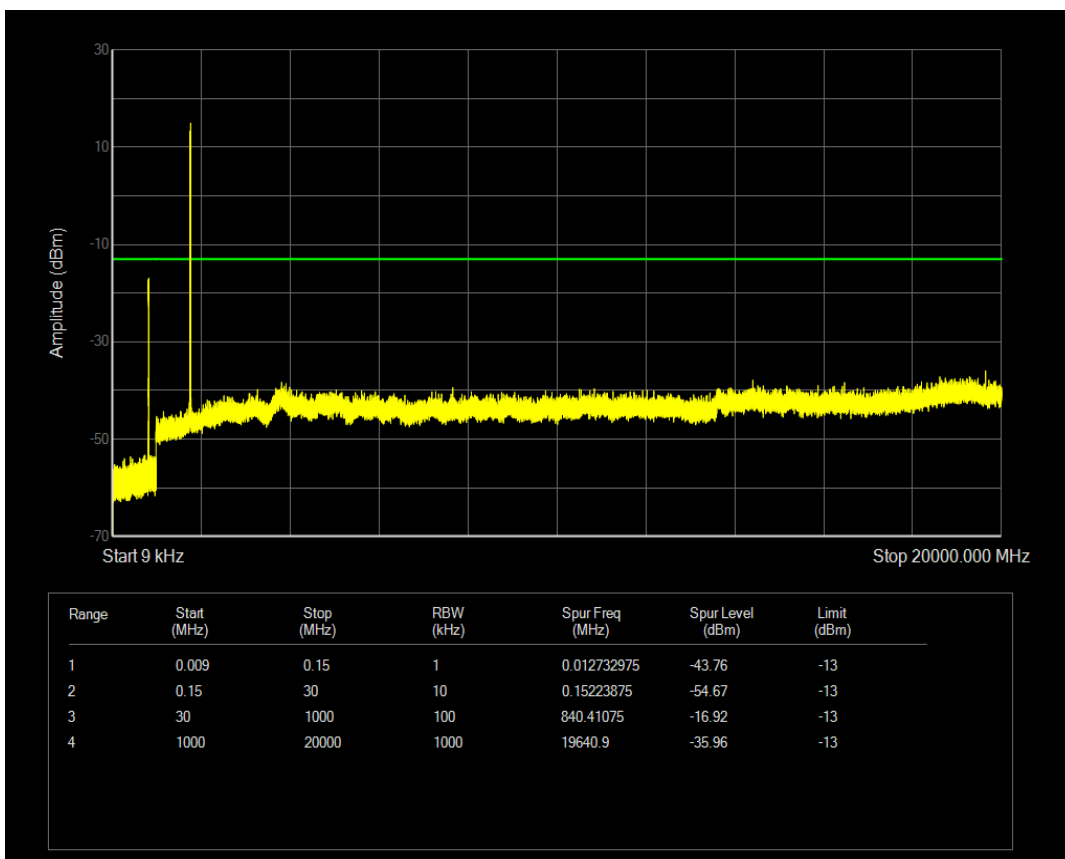
**n66 SCS=30kHz CP\_QPSK BW=10MHz Channel=343000 RB=24@0**



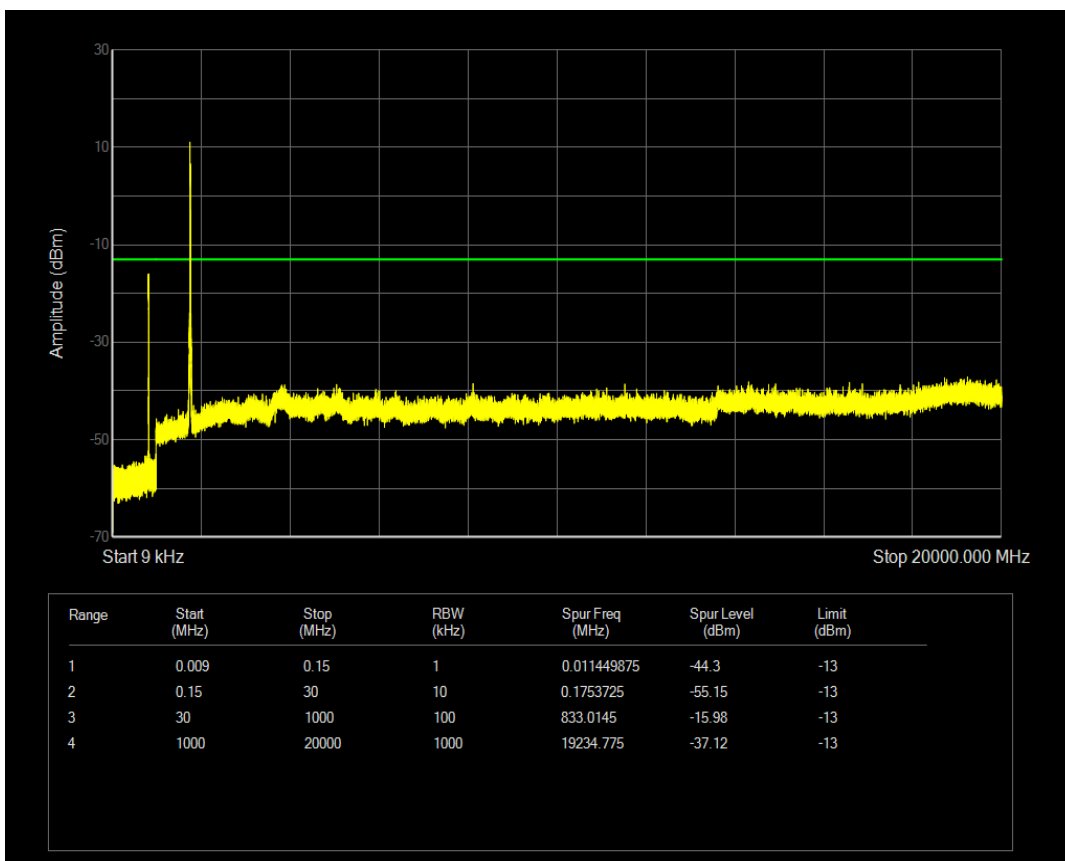
**n66 SCS=30kHz CP\_QPSK BW=20MHz Channel=354000 RB=1@0**



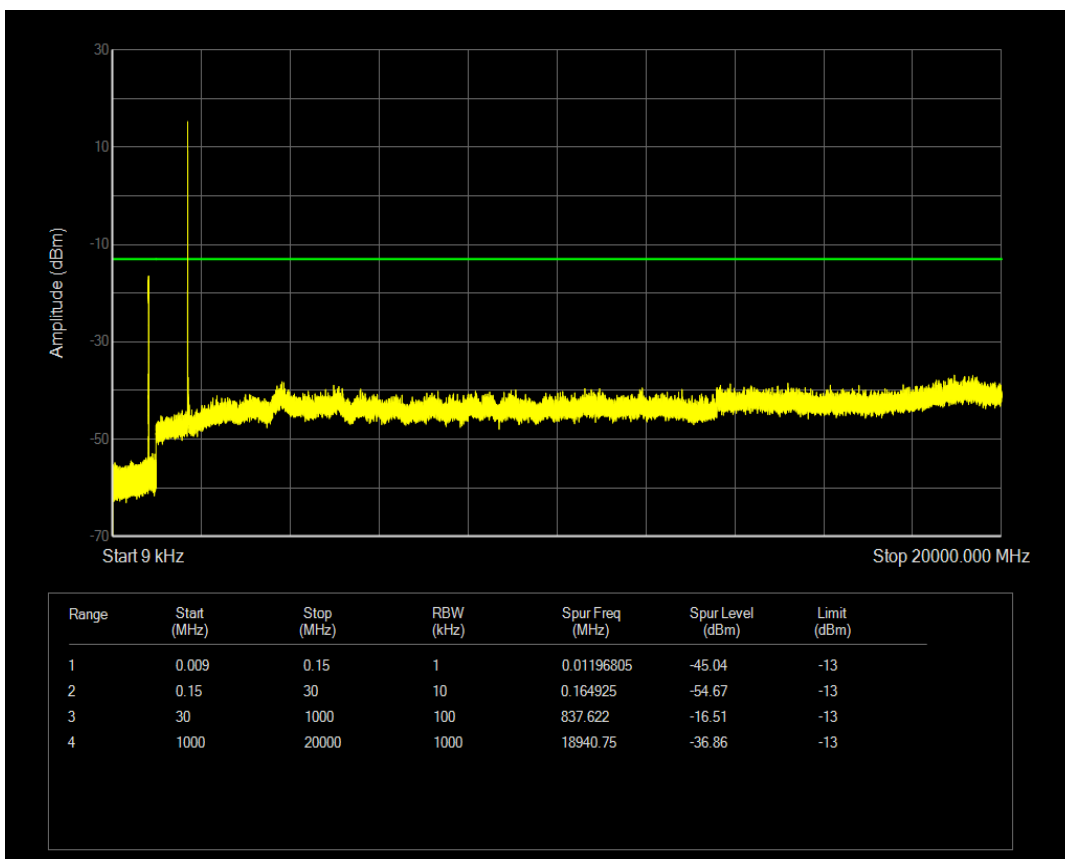
*n66 SCS=30kHz CP\_QPSK BW=20MHz Channel=354000 RB=1 @50*



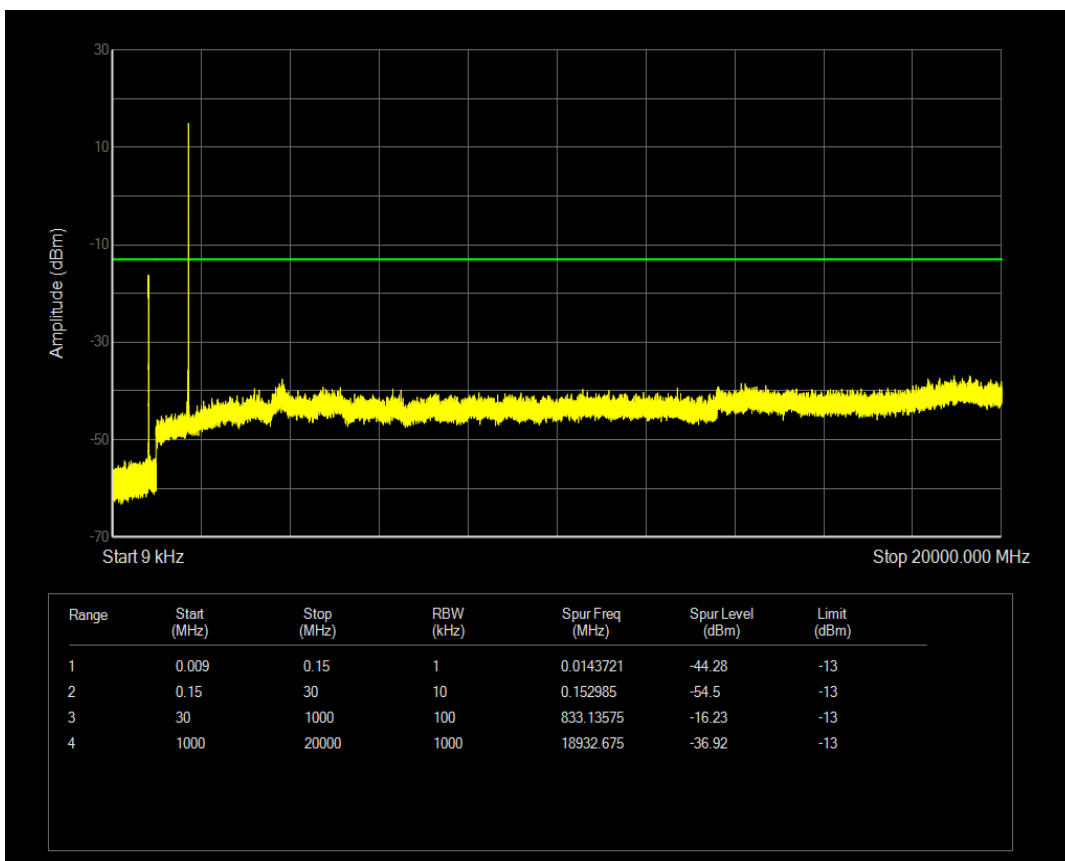
*n66 SCS=30kHz CP\_QPSK BW=20MHz Channel=354000 RB=51 @0*



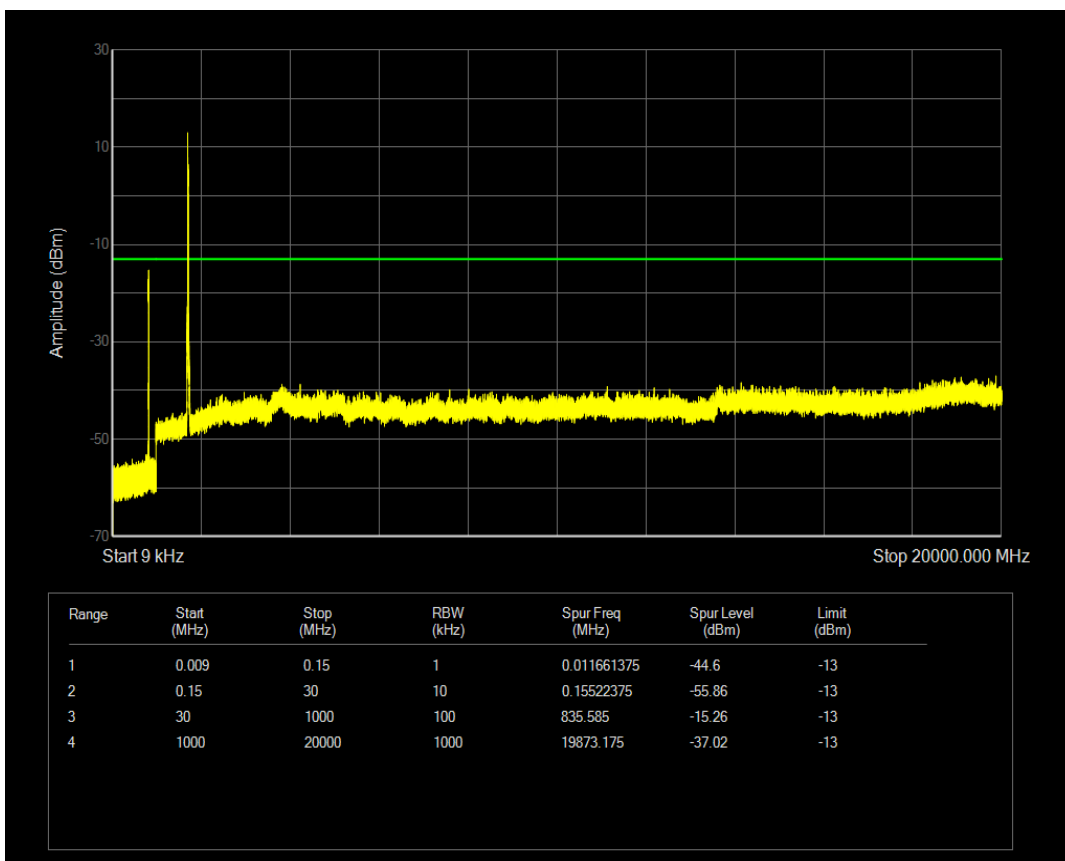
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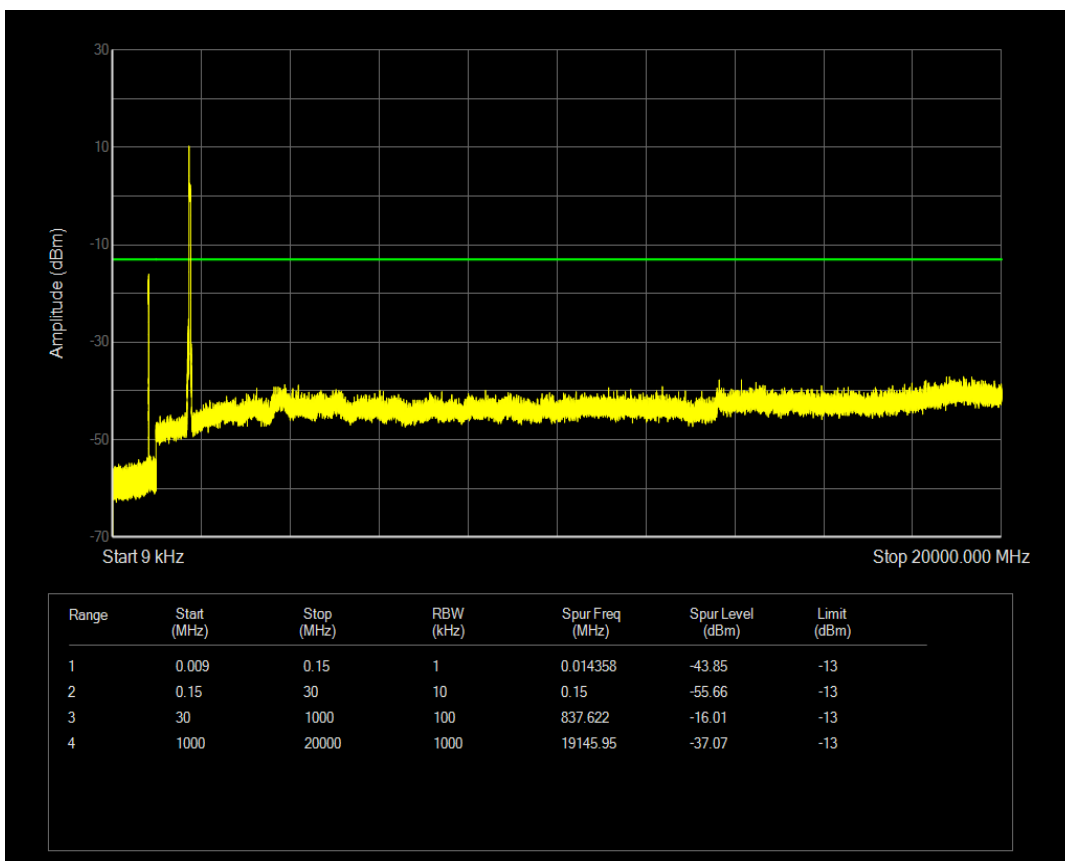
n66 SCS=30kHz CP\_QPSK BW=20MHz Channel=344000 RB=1@50



*n66 SCS=30kHz CP\_QPSK BW=20MHz Channel=344000 RB=51@0*

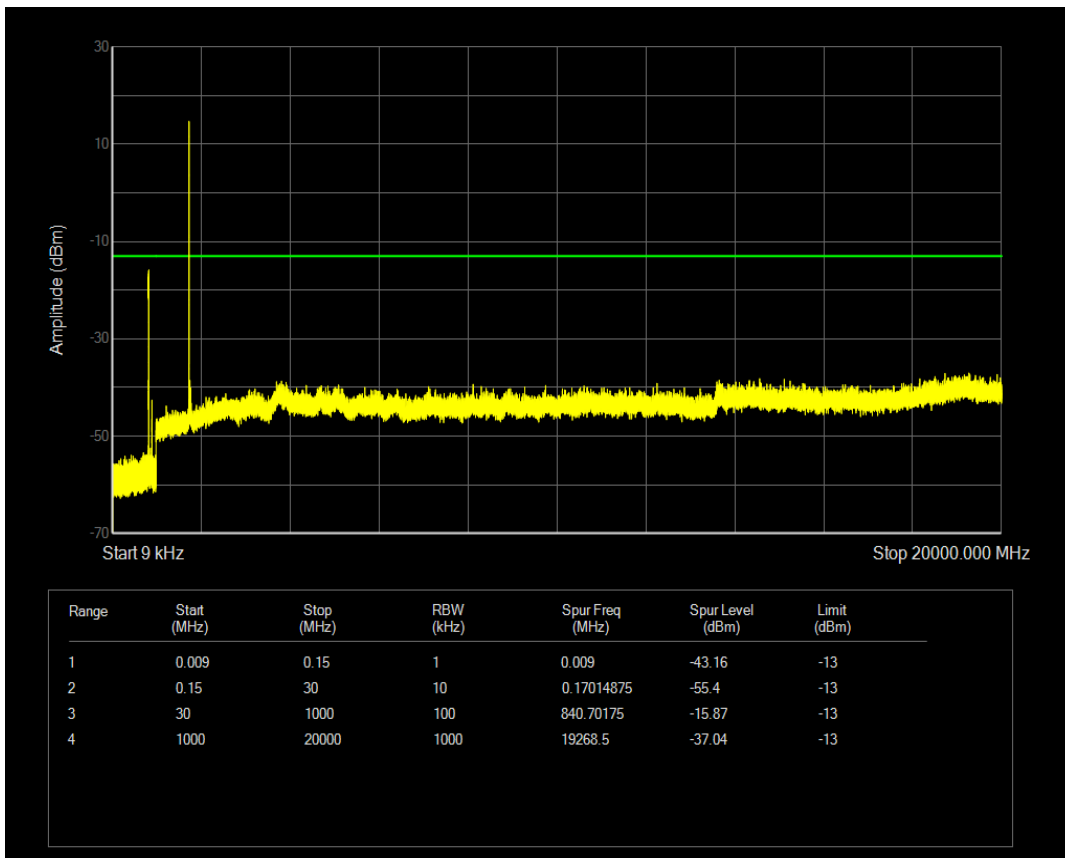


*n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=352000 RB=106@0*

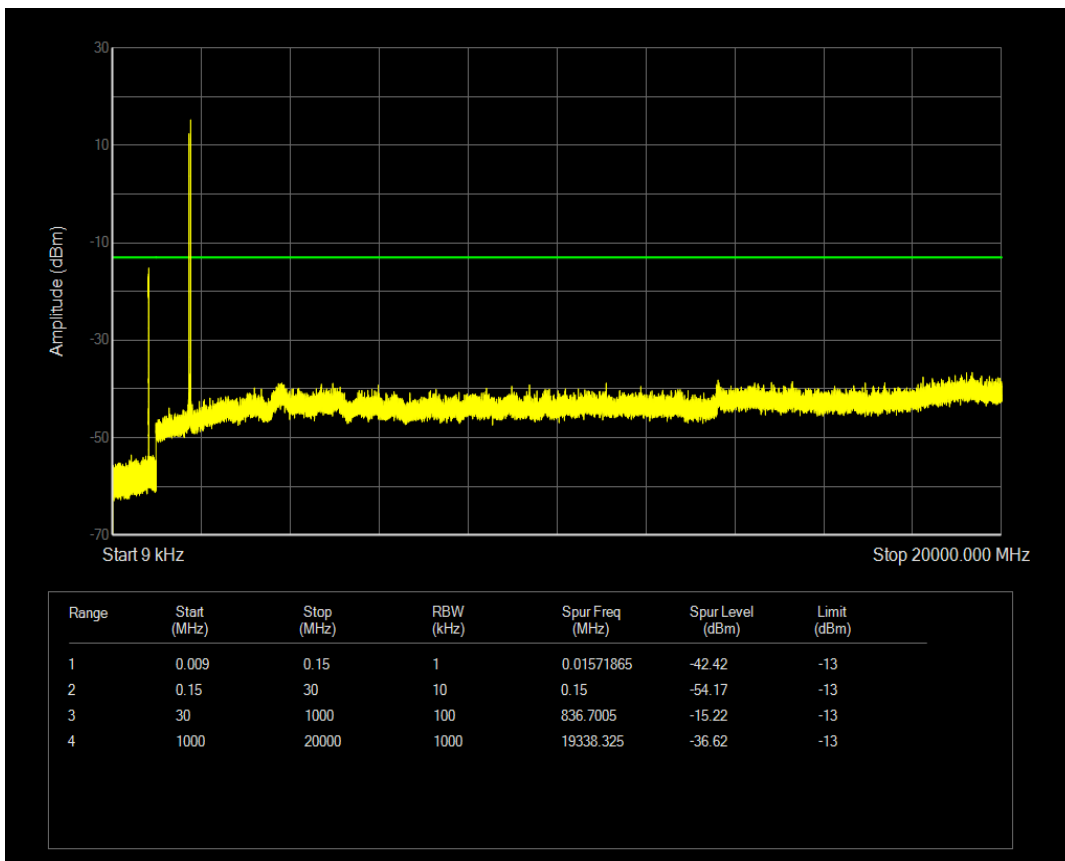




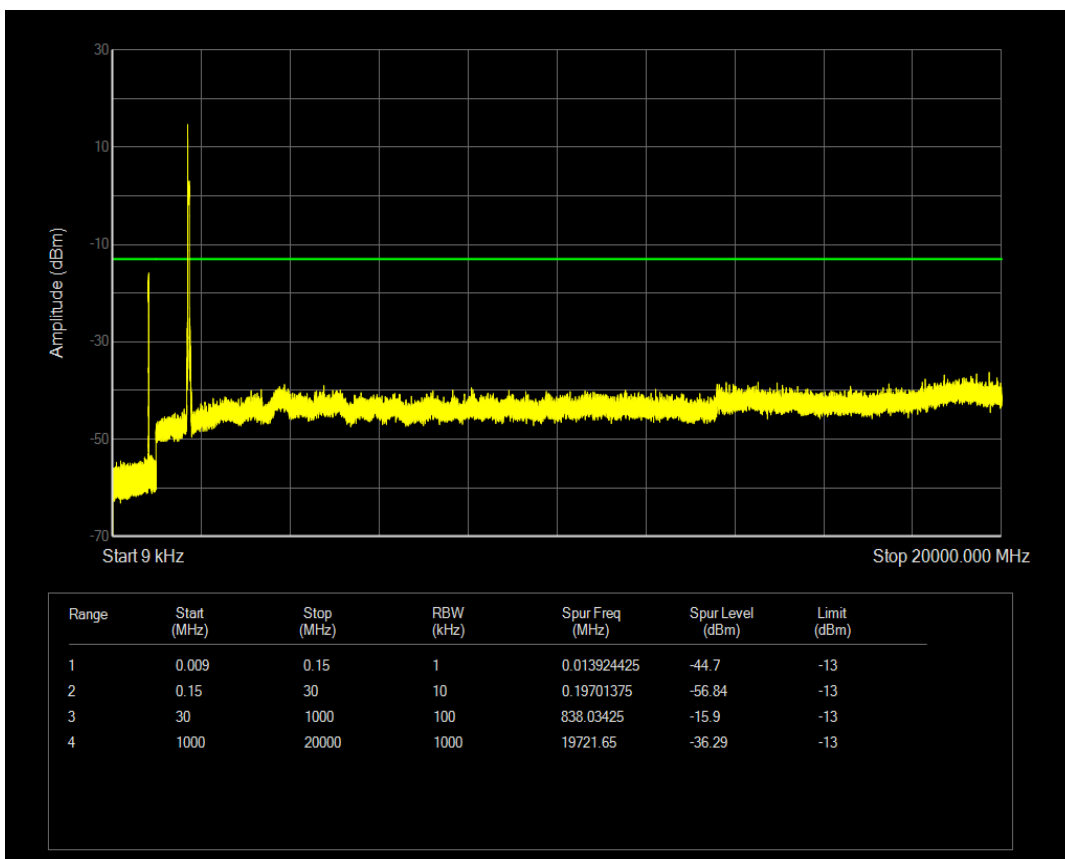
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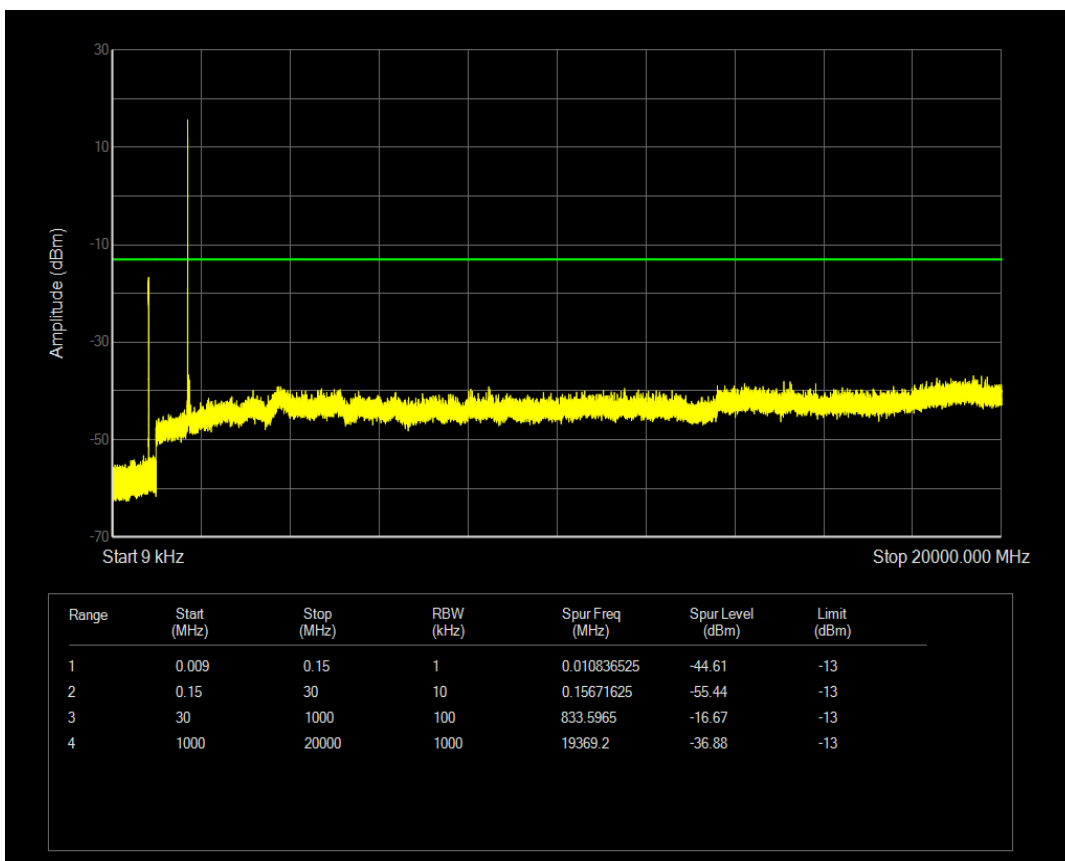
*n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=352000 RB=1@105*



**n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=346000 RB=106@0**



**n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@0**



n66 SCS=30kHz CP\_QPSK BW=40MHz Channel=346000 RB=1@105

