



**n7 SCS=15kHz DFT\_QAM64 BW=15MHz Channel=507000 RB=75@0**



**n7 SCS=15kHz DFT\_QPSK BW=10MHz Channel=507000 RB=50@0**



**n7 SCS=15kHz DFT\_QAM64 BW=5MHz Channel=507000 RB=25 @0**



**n7 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=507000 RB=50 @0**



**n7 SCS=30kHz DFT\_QAM256 BW=10MHz Channel=507000 RB=24@0**



**n7 SCS=30kHz DFT\_QAM256 BW=15MHz Channel=507000 RB=36@0**



**n7 SCS=30kHz DFT\_BPSK BW=20MHz Channel=507000 RB=50 @0**



**n7 SCS=30kHz DFT\_QAM16 BW=10MHz Channel=507000 RB=24 @0**



**n7 SCS=30kHz DFT\_QAM16 BW=15MHz Channel=507000 RB=36@0**



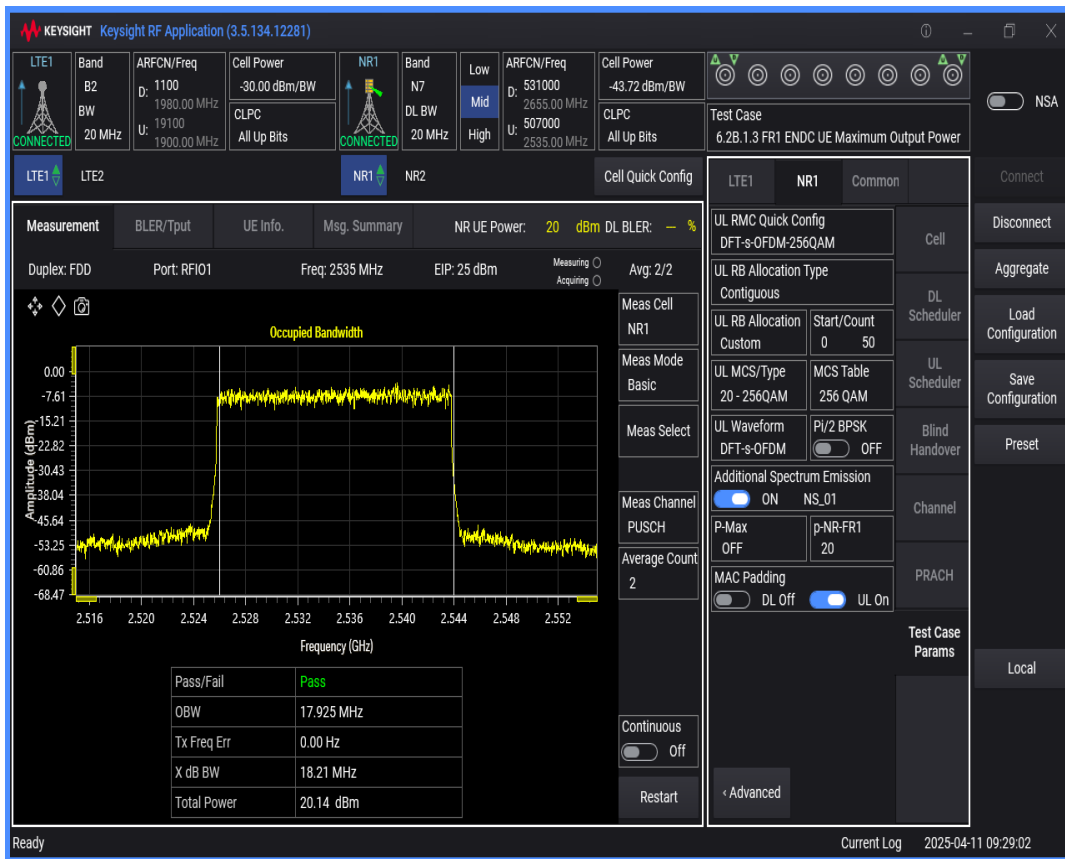
**n7 SCS=30kHz DFT\_QAM64 BW=15MHz Channel=507000 RB=36@0**



**n7 SCS=30kHz DFT\_QAM64 BW=10MHz Channel=507000 RB=24@0**



**n7 SCS=30kHz DFT\_QAM256 BW=20MHz Channel=507000 RB=50@0**



**n7 SCS=30kHz DFT\_QPSK BW=15MHz Channel=507000 RB=36 @0**



**n7 SCS=30kHz DFT\_QPSK BW=20MHz Channel=507000 RB=50 @0**





**n7 SCS=30kHz DFT\_QAM64 BW=20MHz Channel=507000 RB=50@0**



**n7 SCS=30kHz DFT\_QPSK BW=10MHz Channel=507000 RB=24@0**



KEYSIGHT Keysight RF Application (3.5.134.12281)

**LTE1** Band B2 ARFCN/Freq D: 1100 1980.00 MHz U: 19100 1900.00 MHz Cell Power -30.00 dBm/BW CLPC All Up Bits

**NR1** Band N7 DL BW 10 MHz Low Mid High ARFCN/Freq D: 531000 2665.00 MHz U: 507000 2535.00 MHz Cell Power -48.28 dBm/BW CLPC All Up Bits

Test Case 6.2B.1.3 FR1 ENDC UE Maximum Output Power

NSA

Measurement BLER/Tput UE Info. Msg. Summary NR UE Power: **22 dBm** DL BLER: — %

Duplex: FDD Port: RFIO1 Freq: 2535 MHz EIP: 25 dBm Measuring  Acquiring  Avg: 2/2

Cell Quick Config

LTE1 NR1 Common

UL RMC Quick Config DFT-s-OFDM-QPSK

UL RB Allocation Type Contiguous

UL RB Allocation Custom Start/Count 0 24

UL MCS/Table MCS Table 64 QAM

UL Waveform DFT-s-OFDM  P/2 BPSK  OFF

Additional Spectrum Emission  ON NS\_01

P-Max OFF p-NR-FR1 20

MAC Padding  DL Off  UL On

Test Case Params

Occupied Bandwidth

Pass/Fail	Pass
OBW	8.575 MHz
Tx Freq Err	0.00 Hz
X dB BW	8.87 MHz
Total Power	21.53 dBm

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

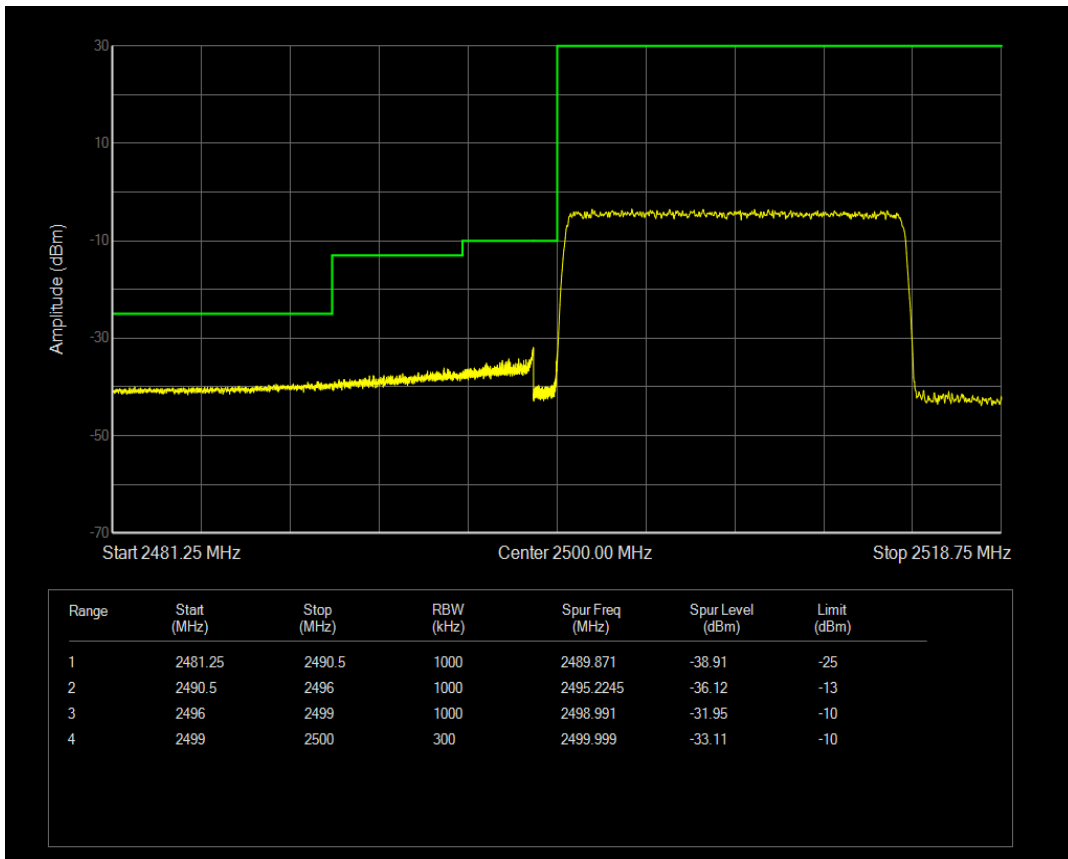
Local

Ready Current Log 2025-04-11 09:28:00

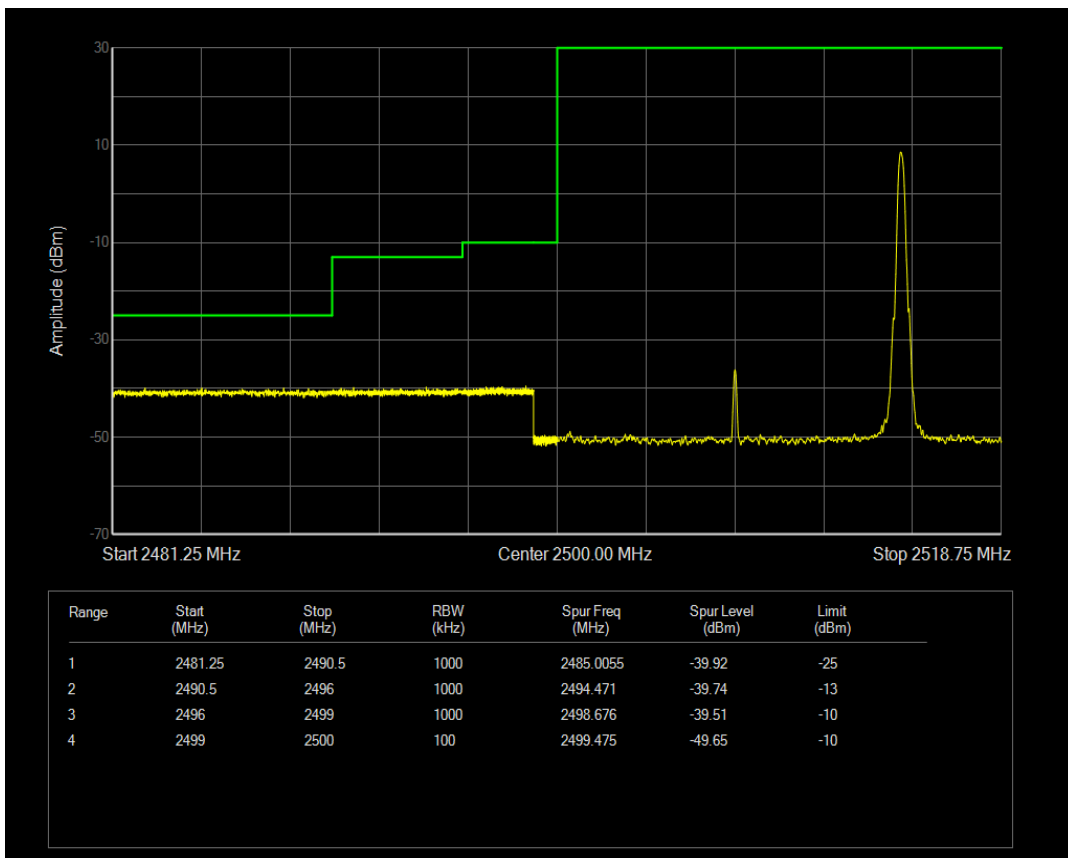
## 5 Band edge for EN-DC

<b>Band</b>	<b>SCS (kHz)</b>	<b>Bandwidth (MHz)</b>	<b>UL Channel</b>	<b>RB Allocation</b>	<b>Modulation</b>	<b>Spur Freq (MHz)</b>	<b>Spur Level (dBm)</b>	<b>Limit (dBm)</b>	<b>Verdict</b>
n7	15	5	500500	25@0	CP_QPSK	2499.00	-23.08	-10	PASS
n7	15	5	500500	1@0	CP_QPSK	2499.00	-11.02	-10	PASS
n7	15	5	500500	1@24	CP_QPSK	2492.27	-39.98	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	2571.01	-24.56	-10	PASS
n7	15	5	513500	1@0	CP_QPSK	2579.52	-40.05	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	2571.00	-11.87	-10	PASS
n7	15	15	501500	79@0	CP_QPSK	2489.87	-38.91	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2499.00	-16.07	-10	PASS
n7	15	15	501500	1@78	CP_QPSK	2485.01	-39.92	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	2586.76	-39.82	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2587.98	-39.87	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	2571.00	-17.94	-10	PASS
n7	15	20	502000	106@0	CP_QPSK	2490.07	-38.68	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	2499.00	-19.43	-10	PASS
n7	15	20	502000	1@105	CP_QPSK	2489.28	-39.88	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	2593.39	-39.95	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	2594.79	-39.98	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	2571.00	-20.94	-10	PASS

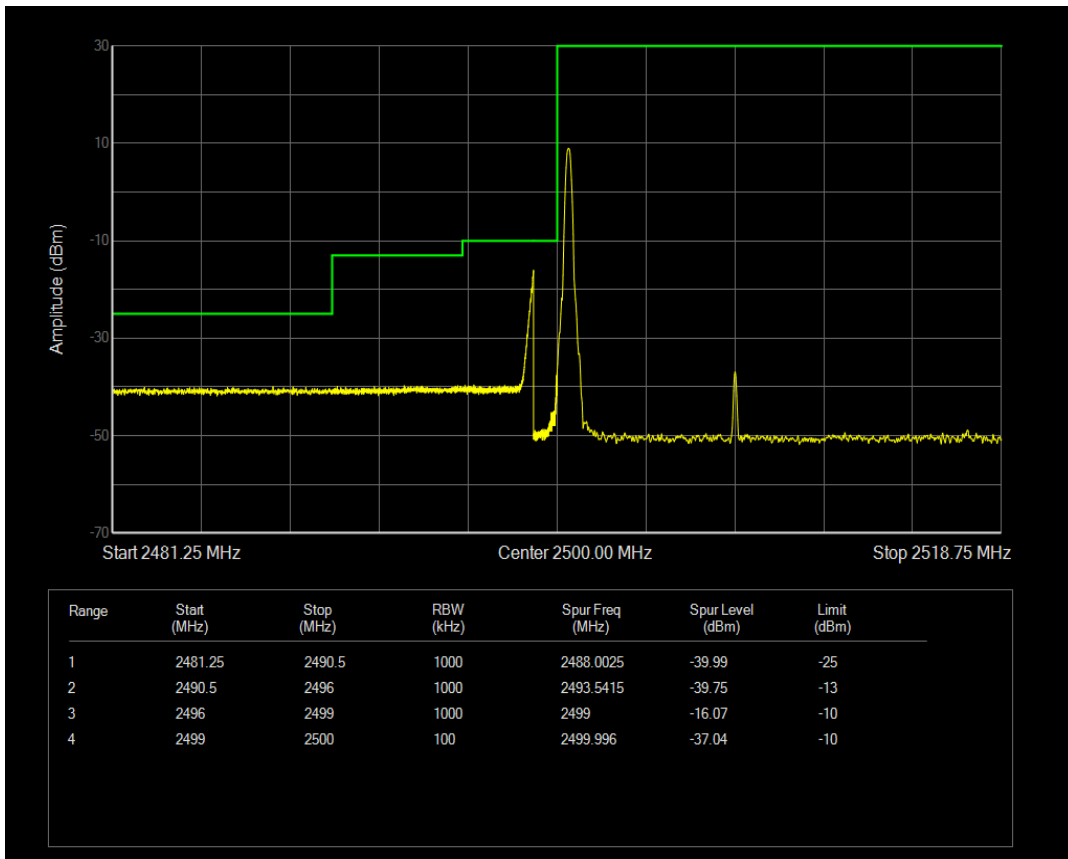
**n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=501500 RB=79@0**



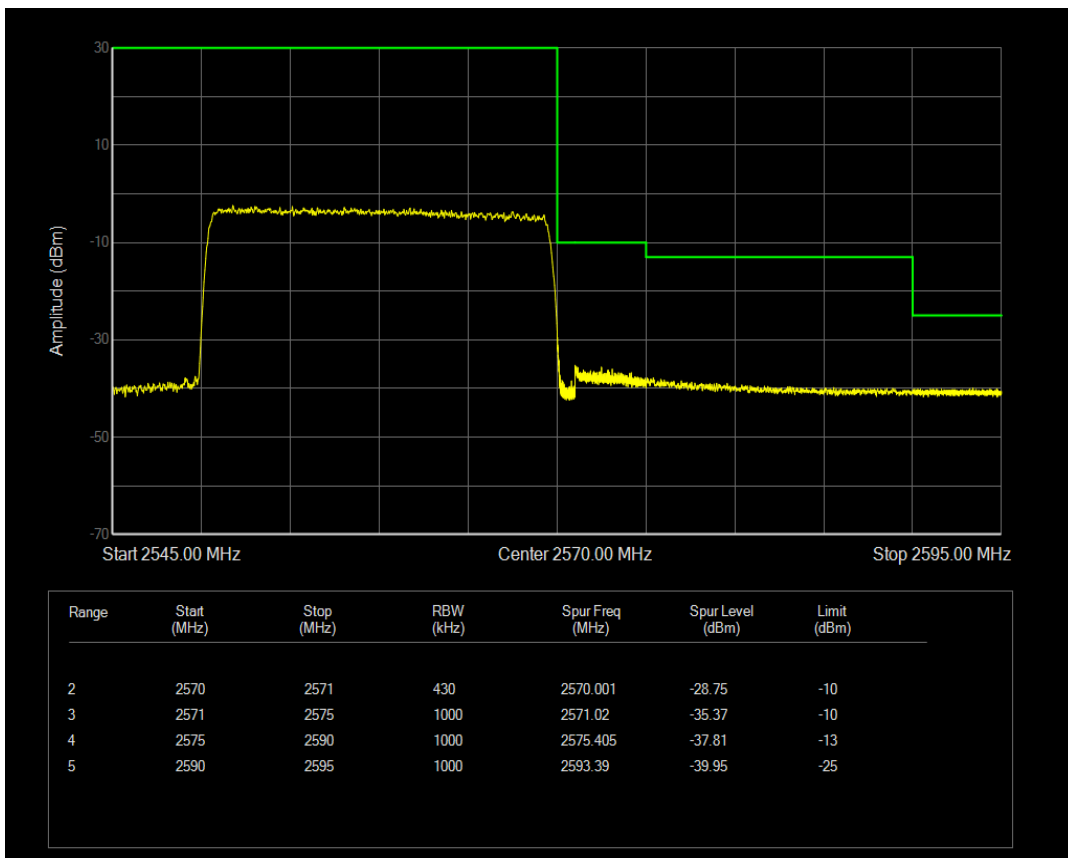
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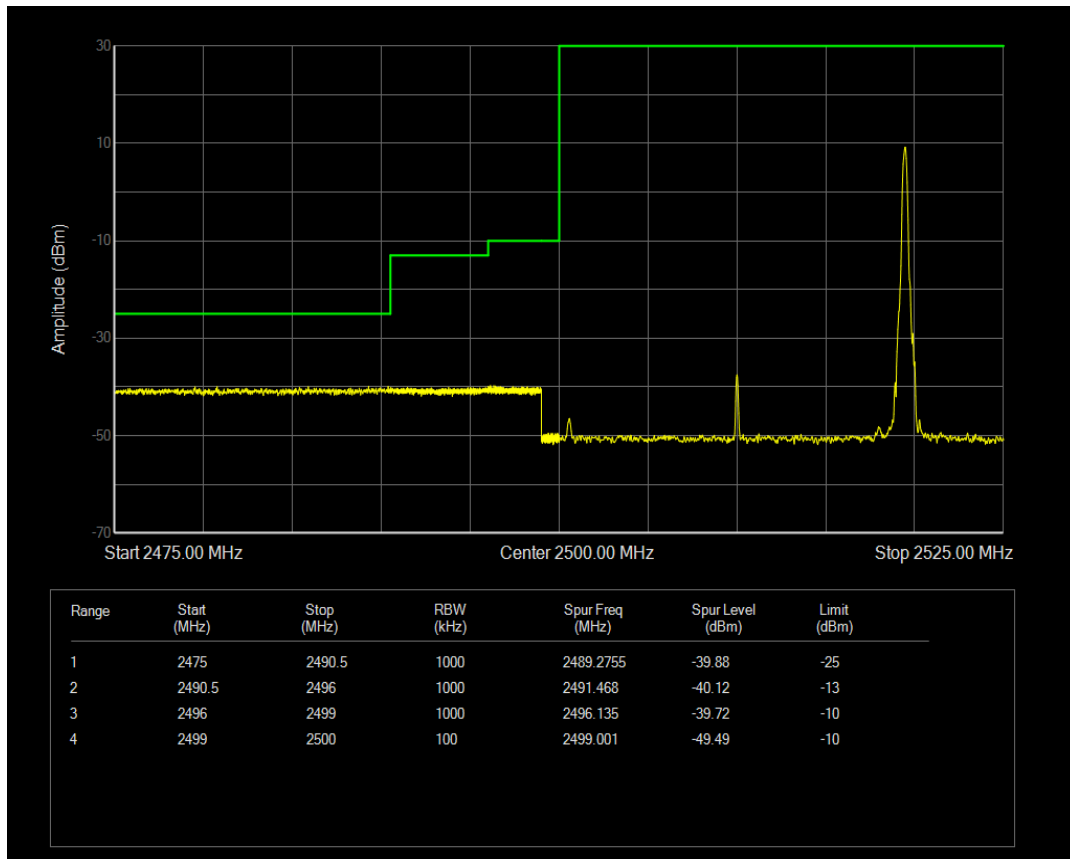
**n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=501500 RB=1@0**



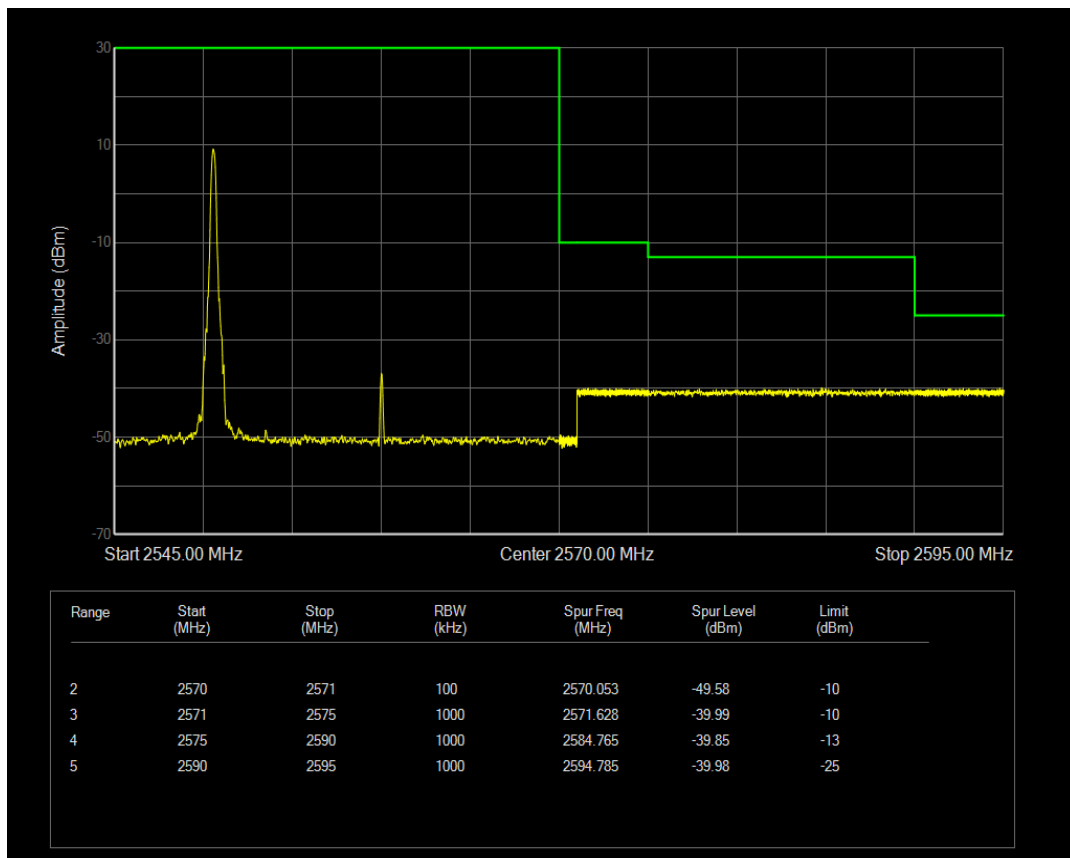
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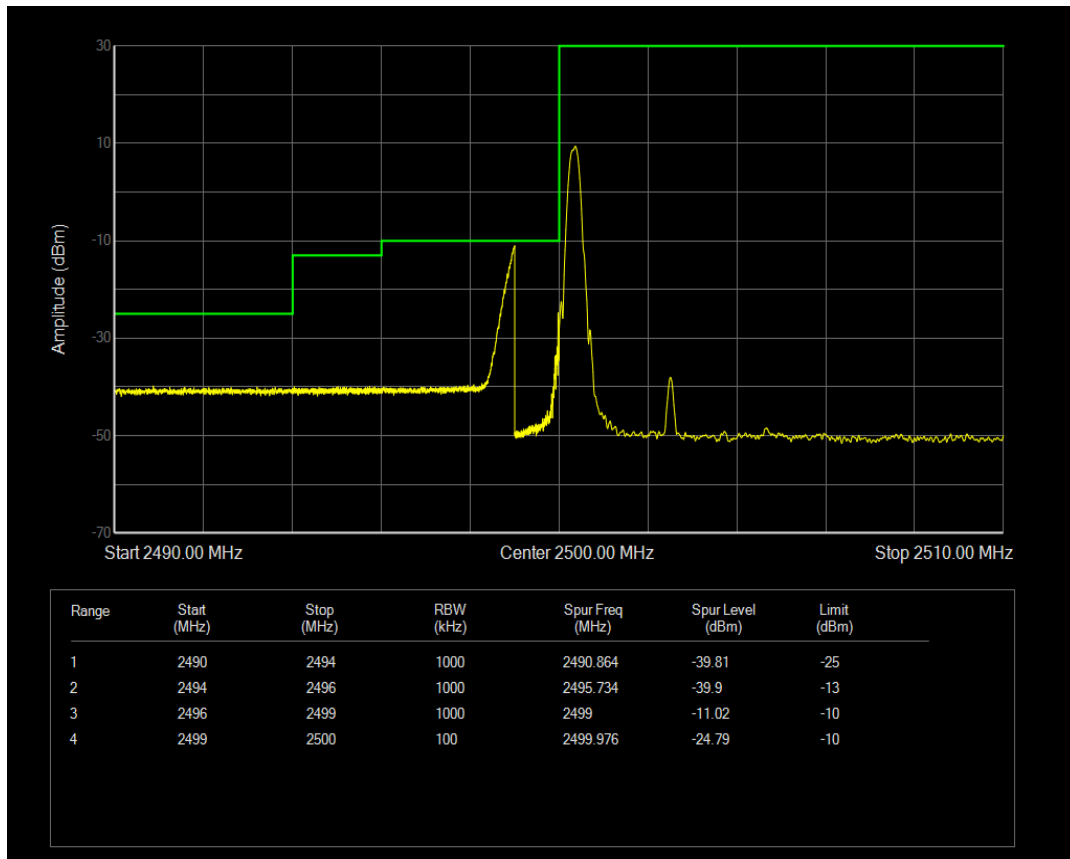
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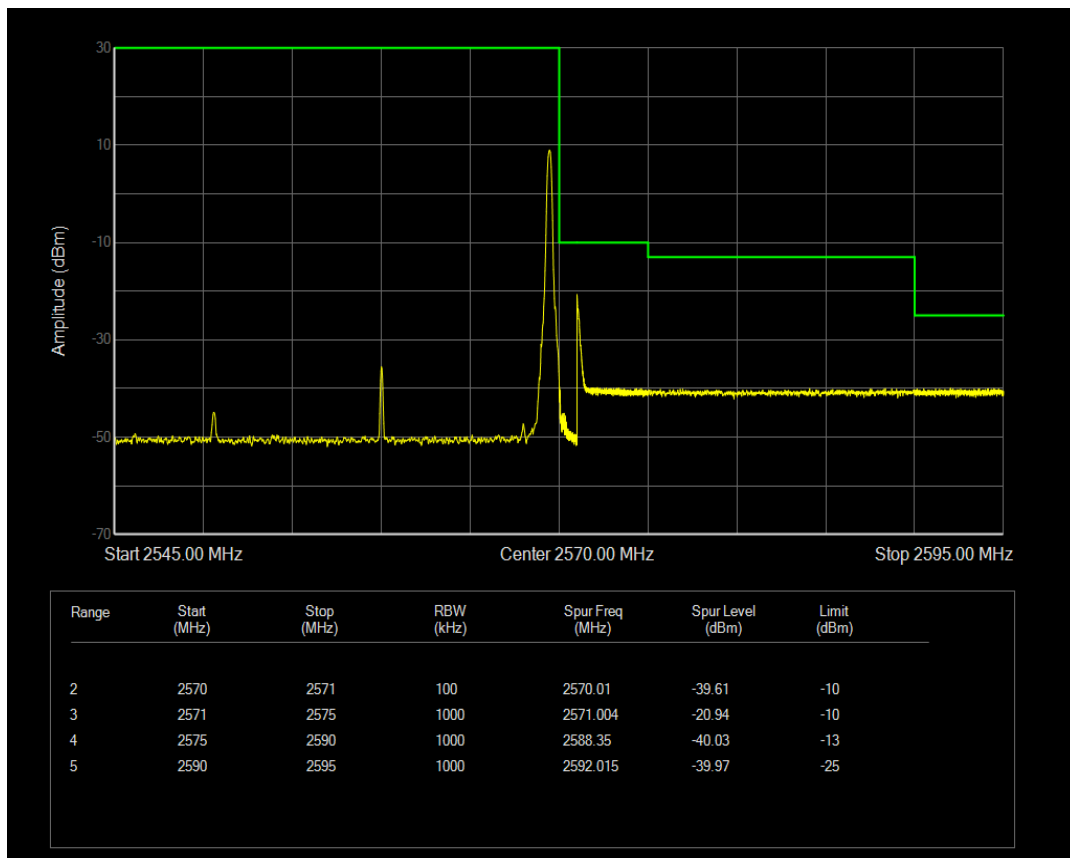
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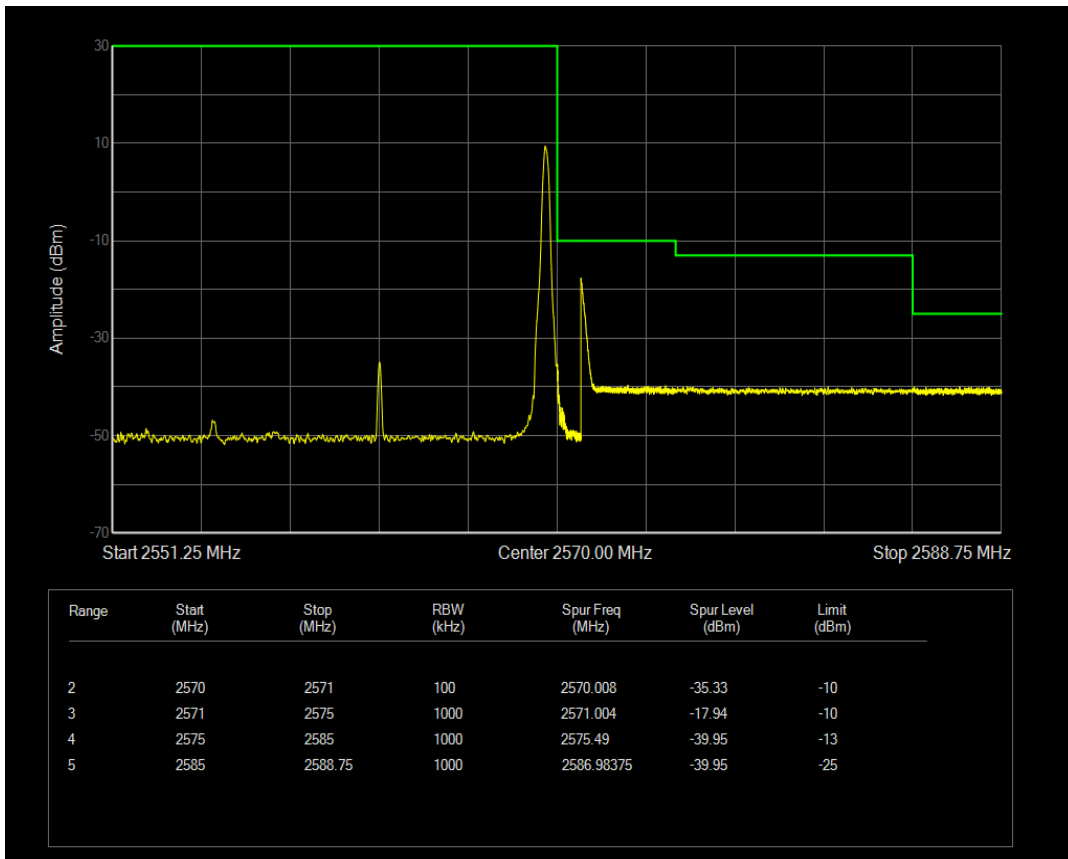
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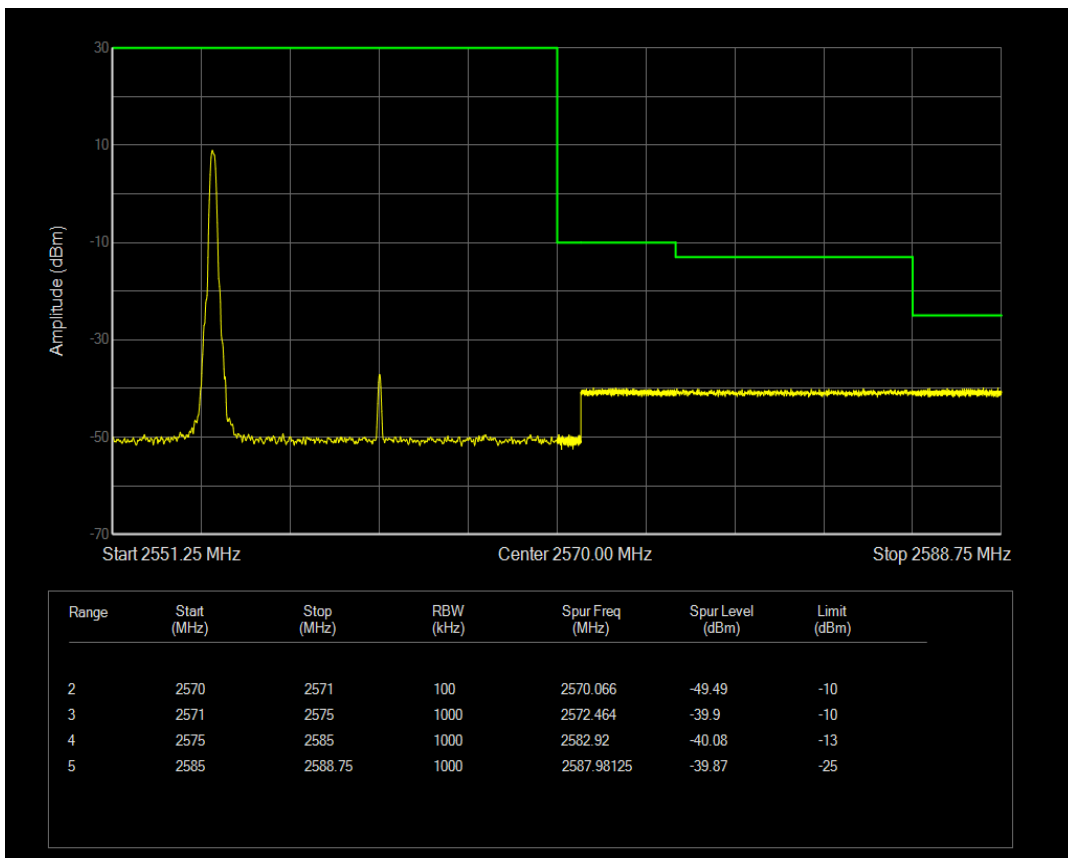
***n7 SCS=15kHz CP\_QPSK BW=20MHz Channel=512000 RB=1@105***



***n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=512500 RB=1@78***

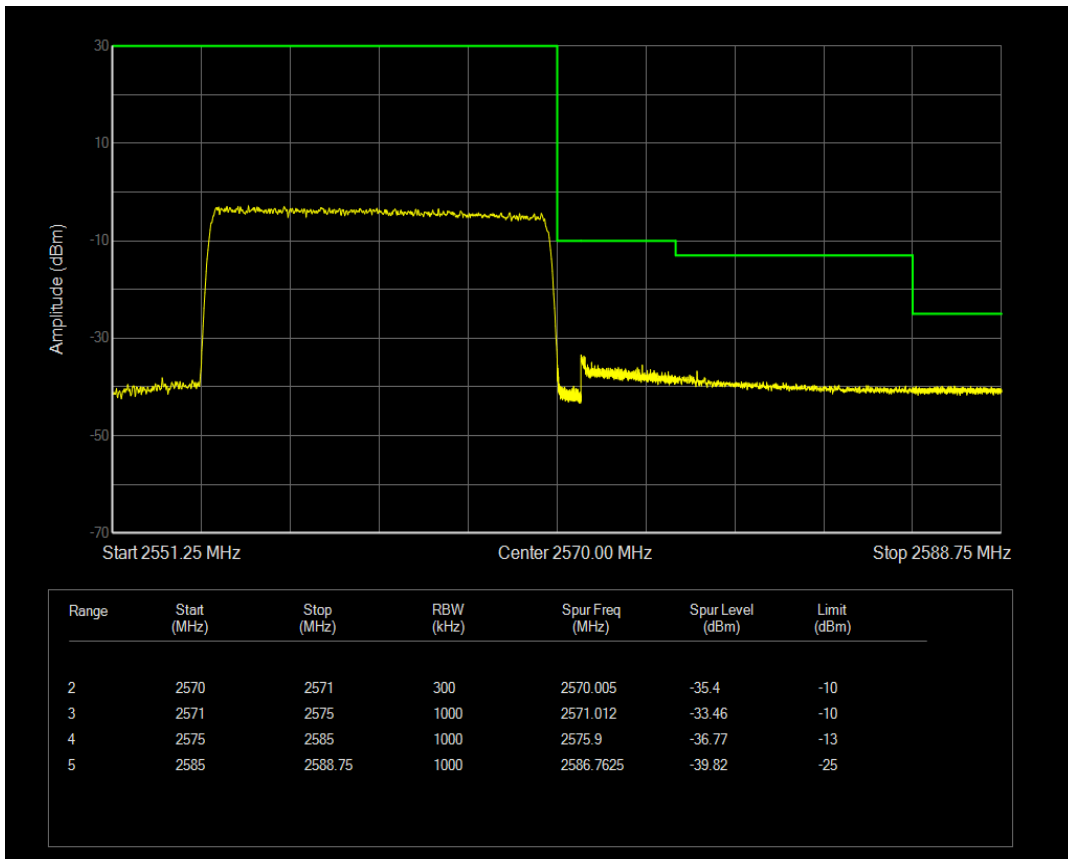


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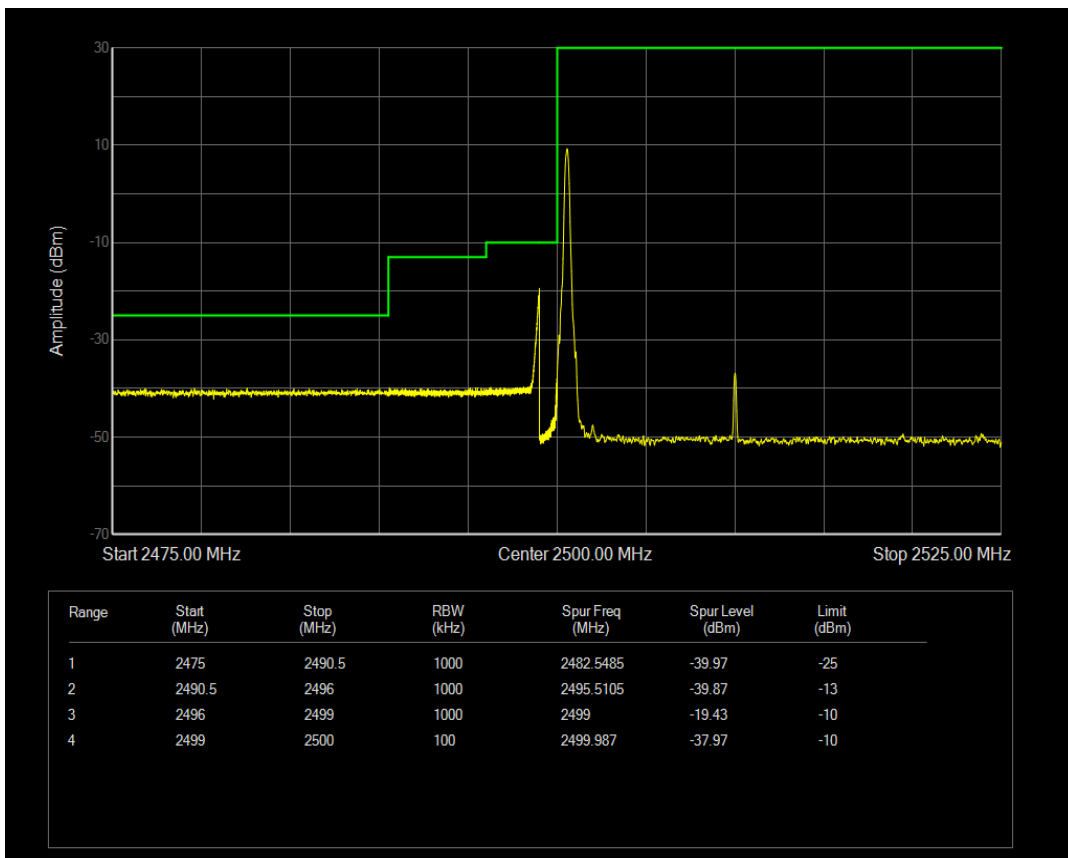


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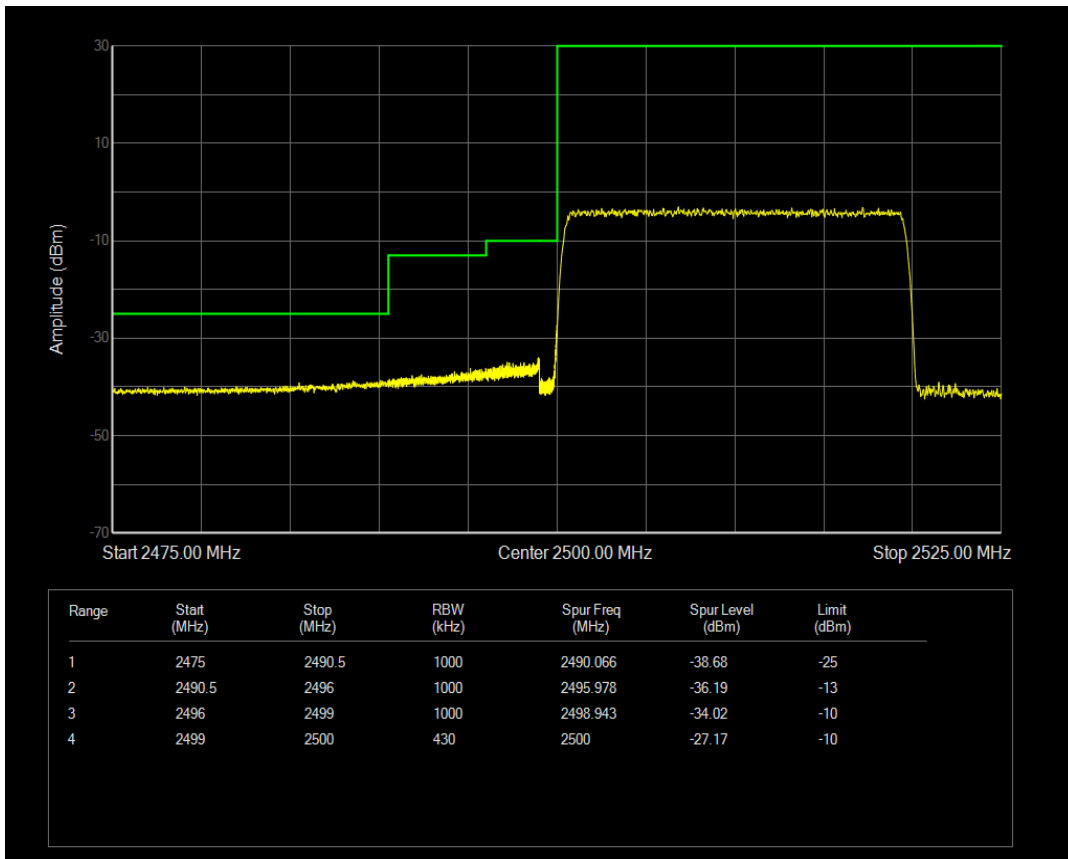




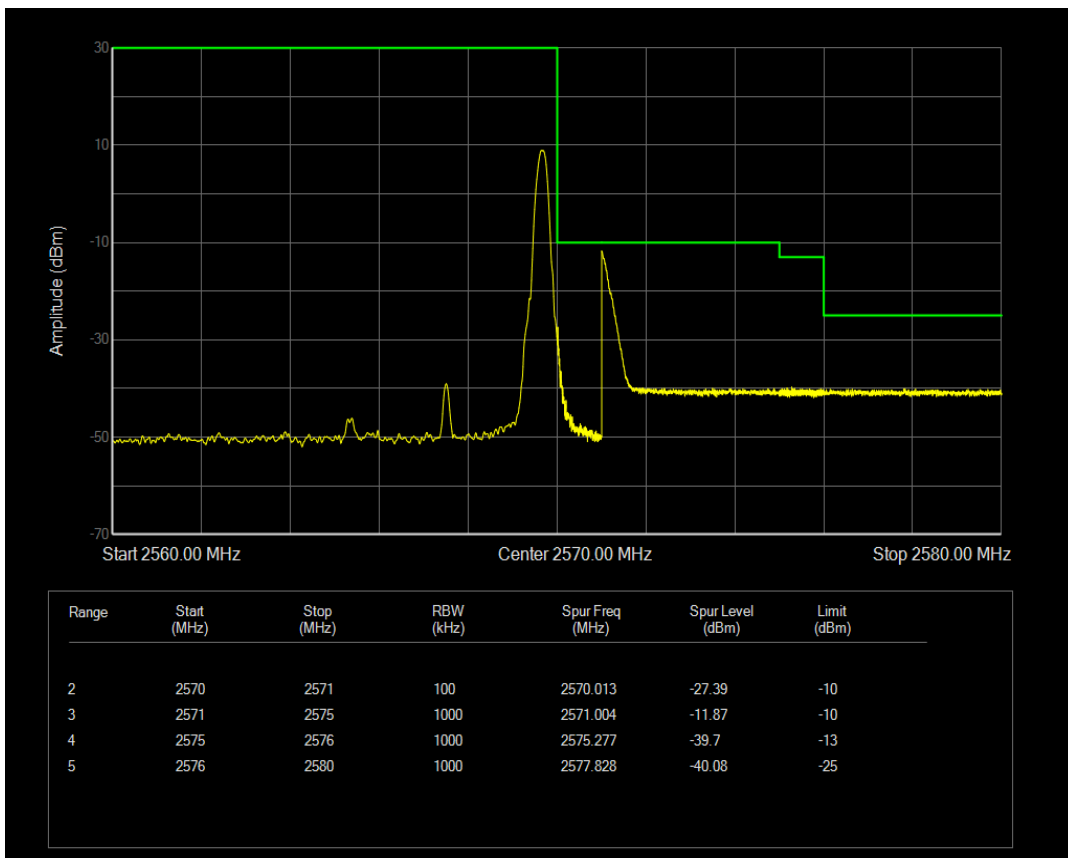
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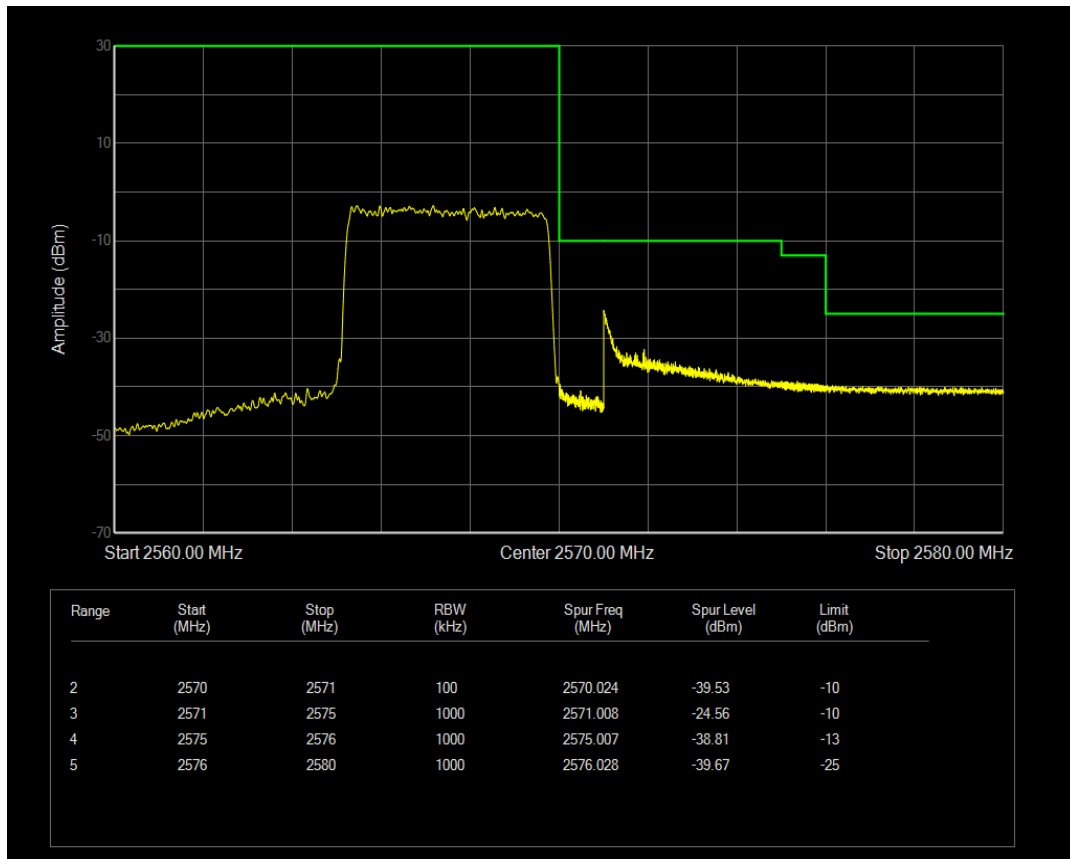
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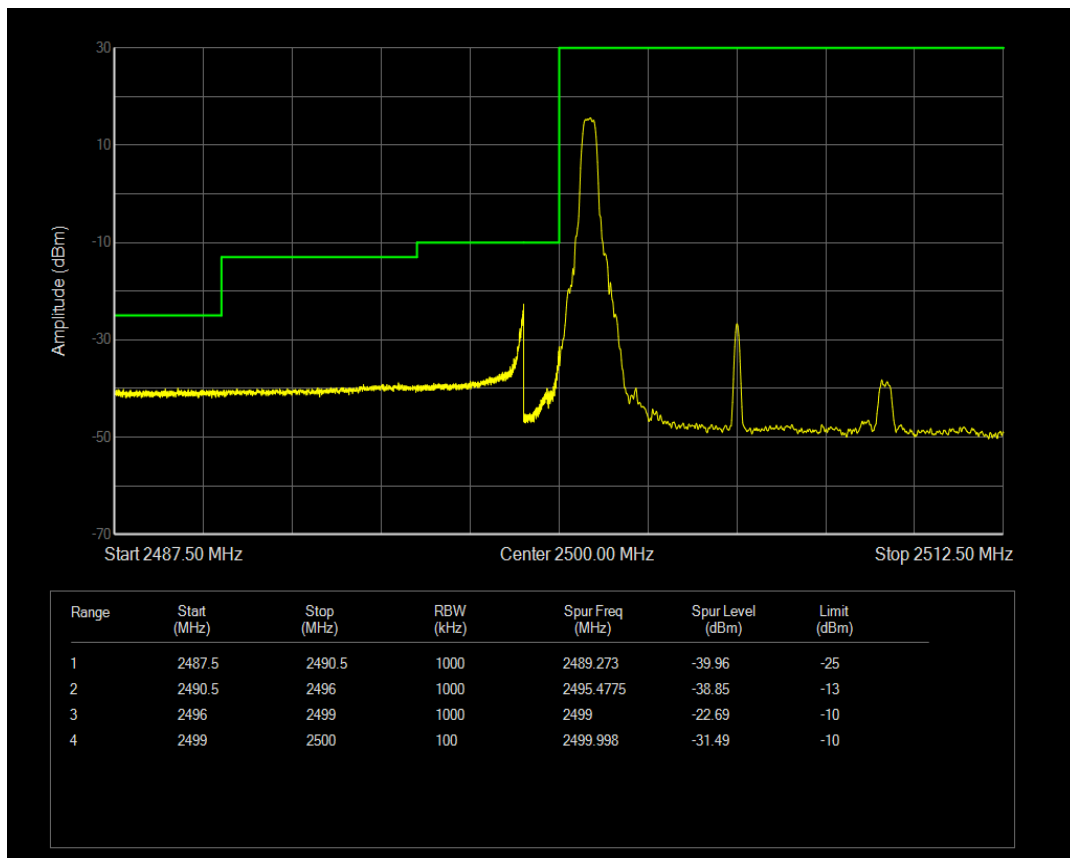
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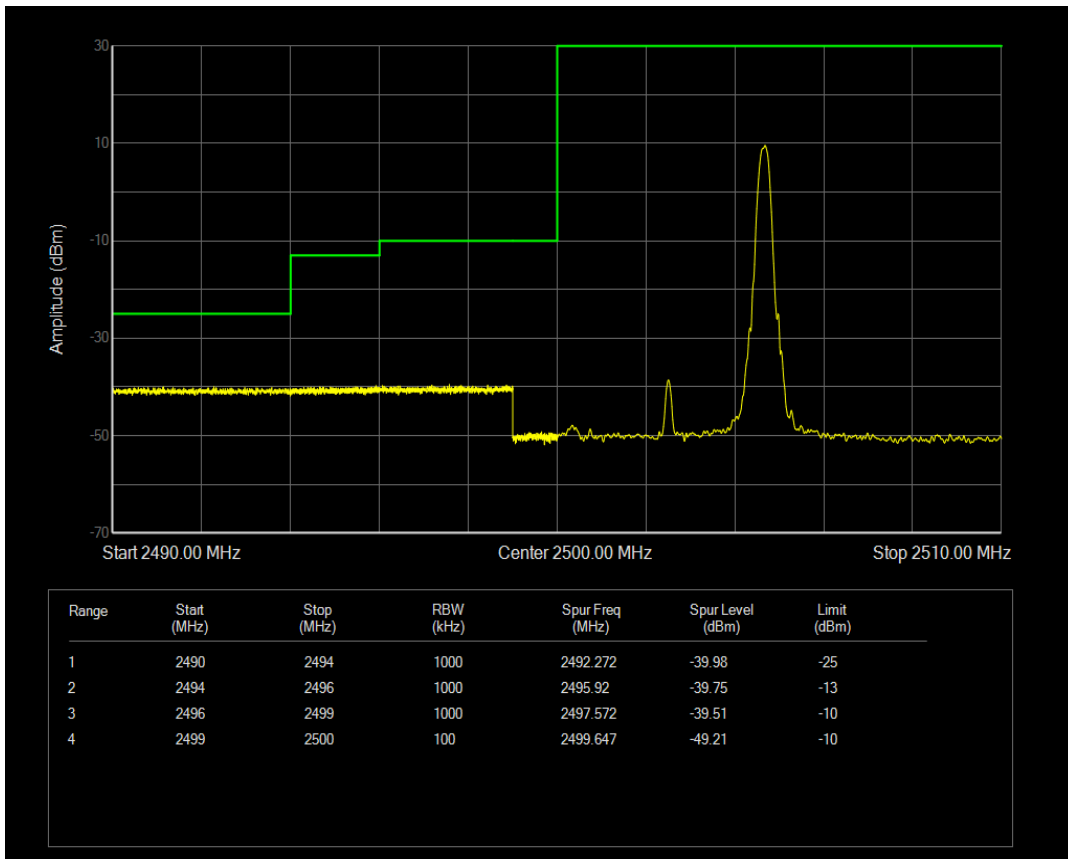
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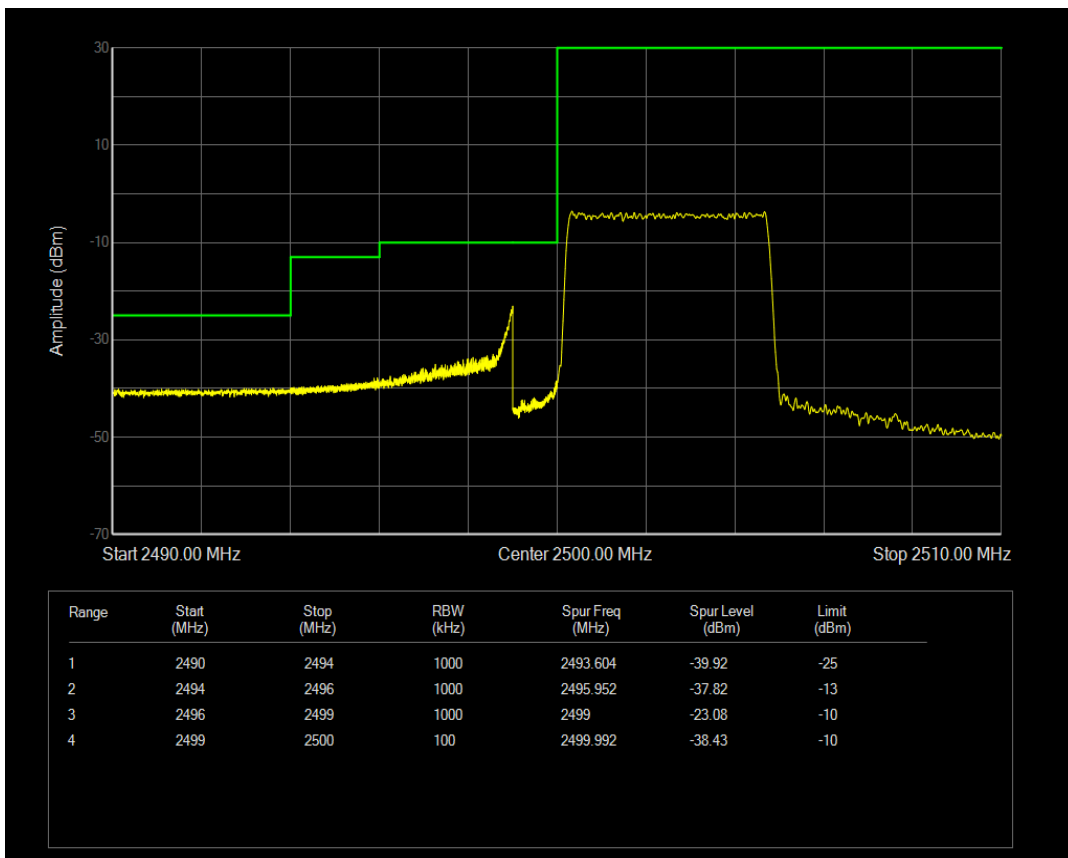
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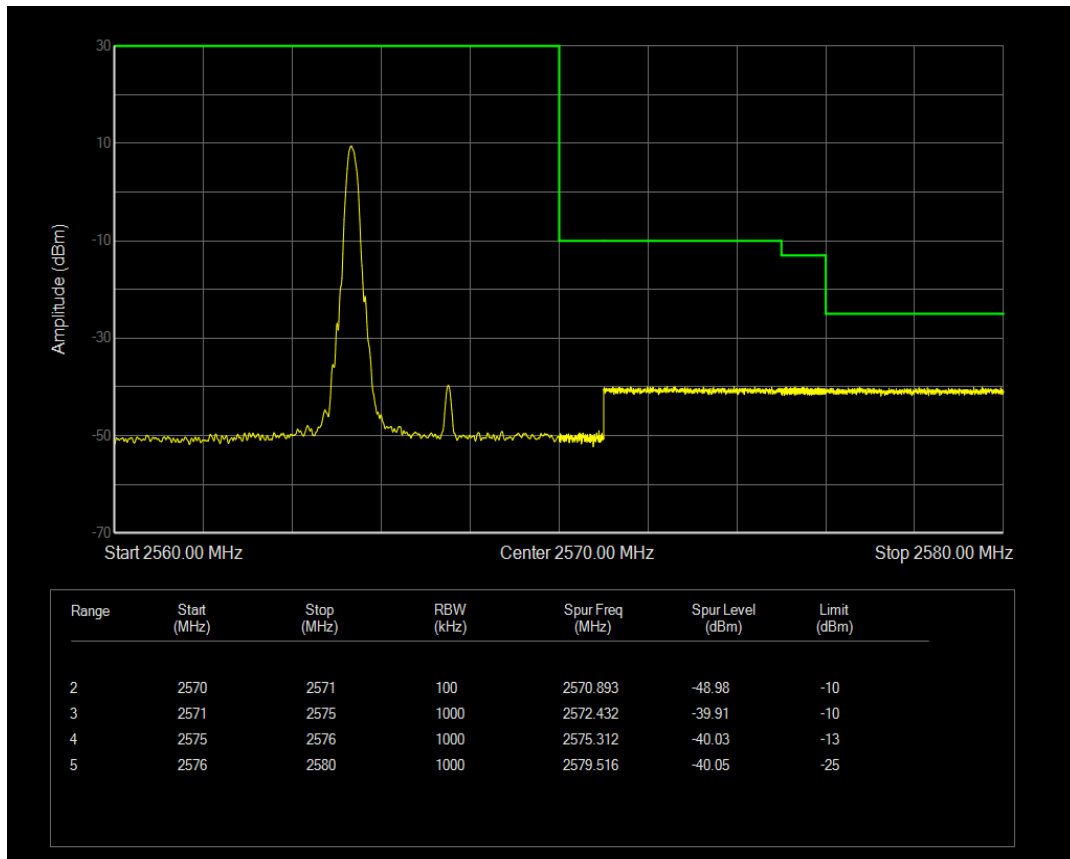
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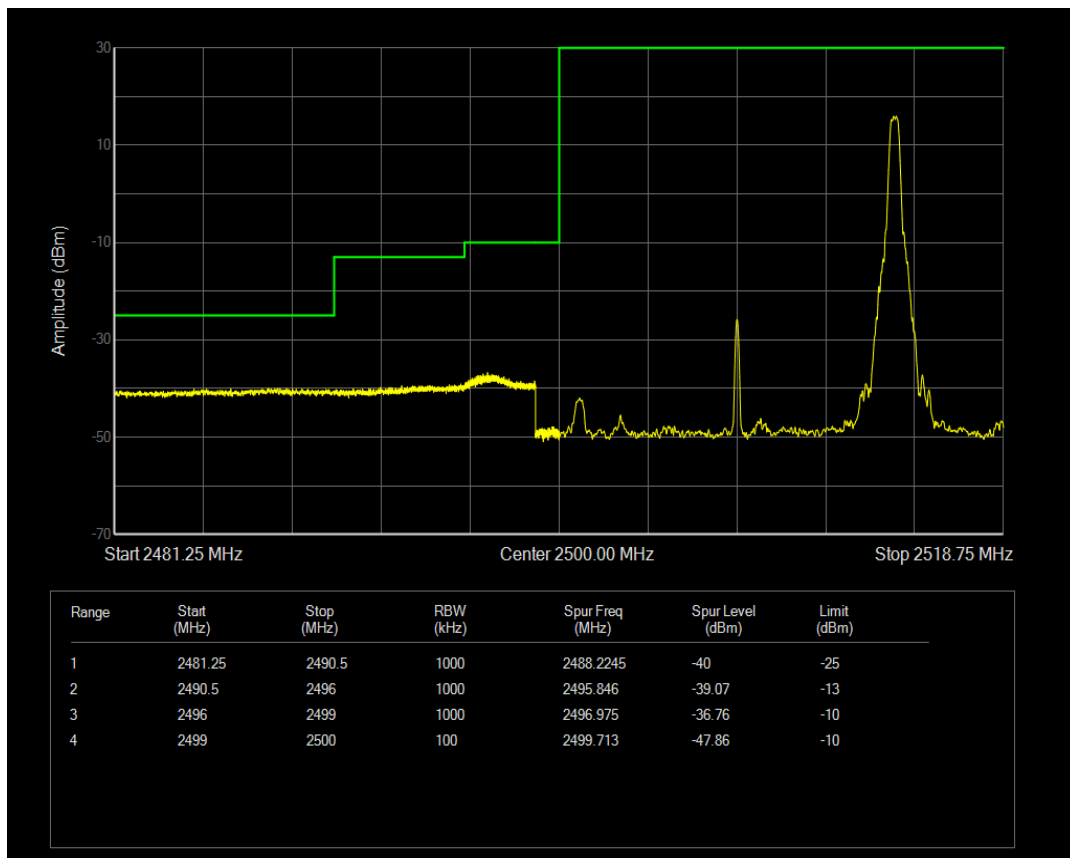
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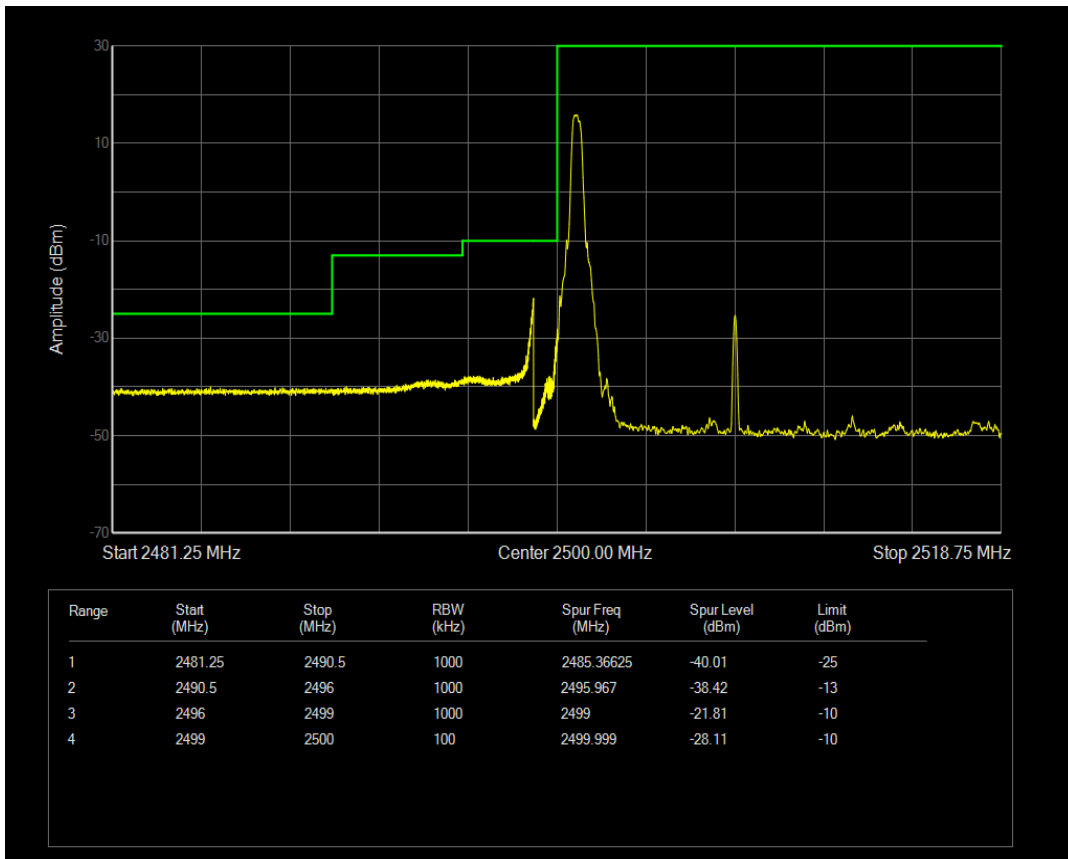
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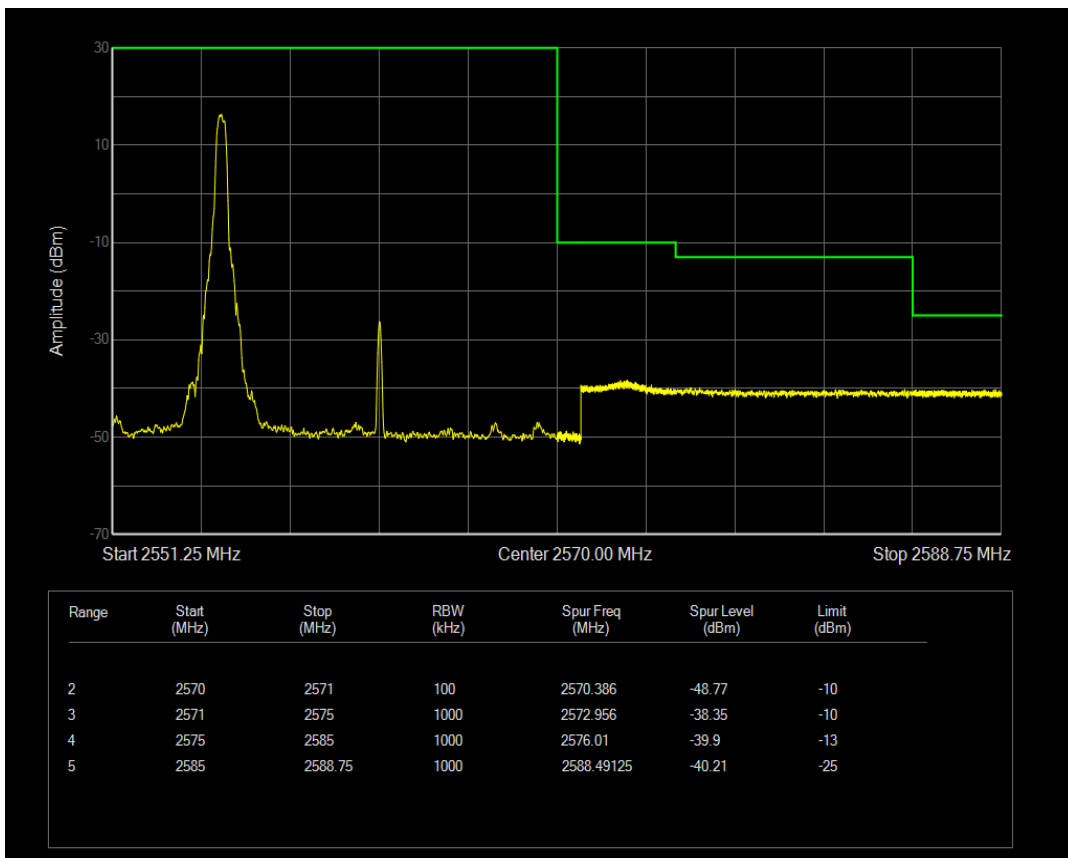
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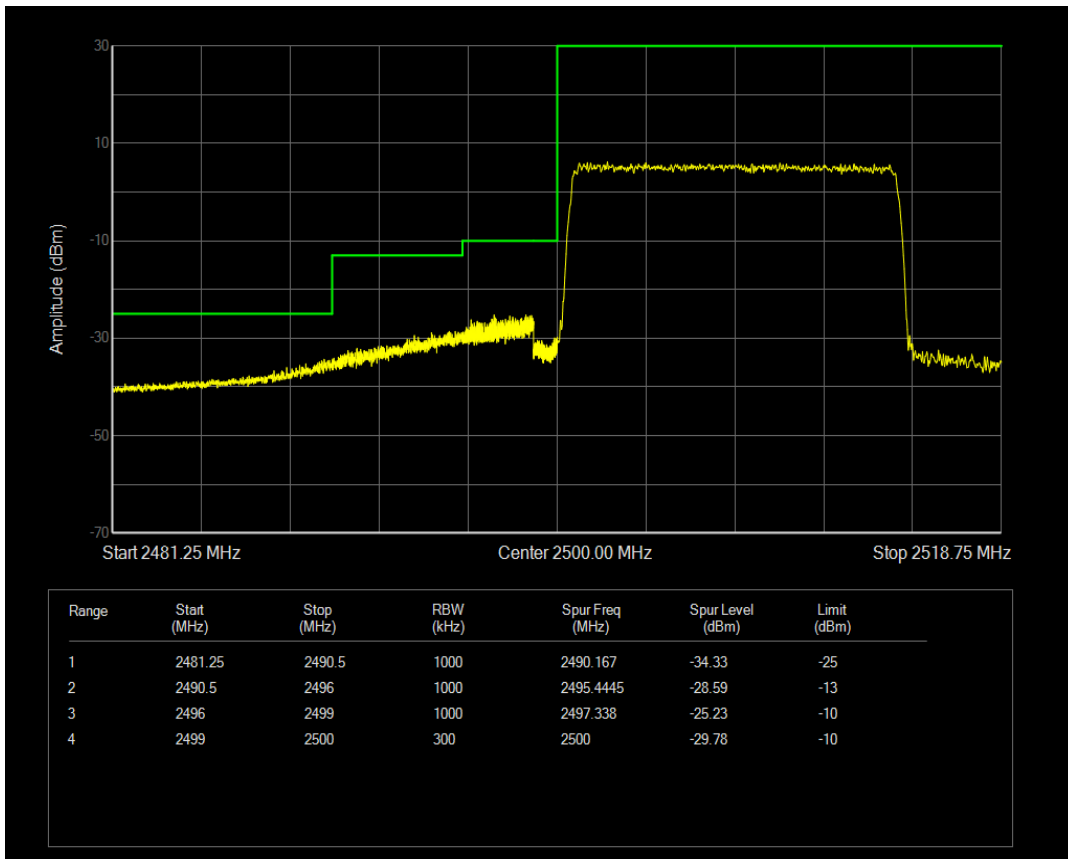
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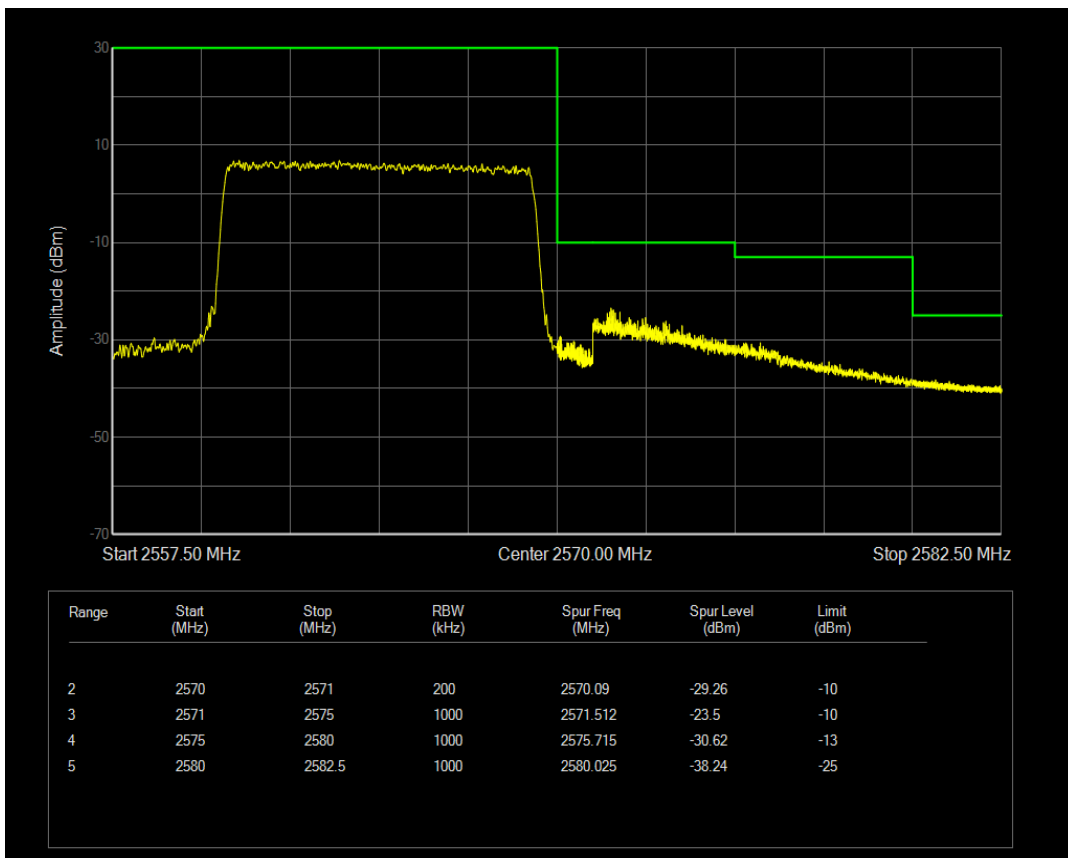
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*n7 SCS=30kHz CP\_QPSK BW=15MHz Channel=501500 RB=38@0*

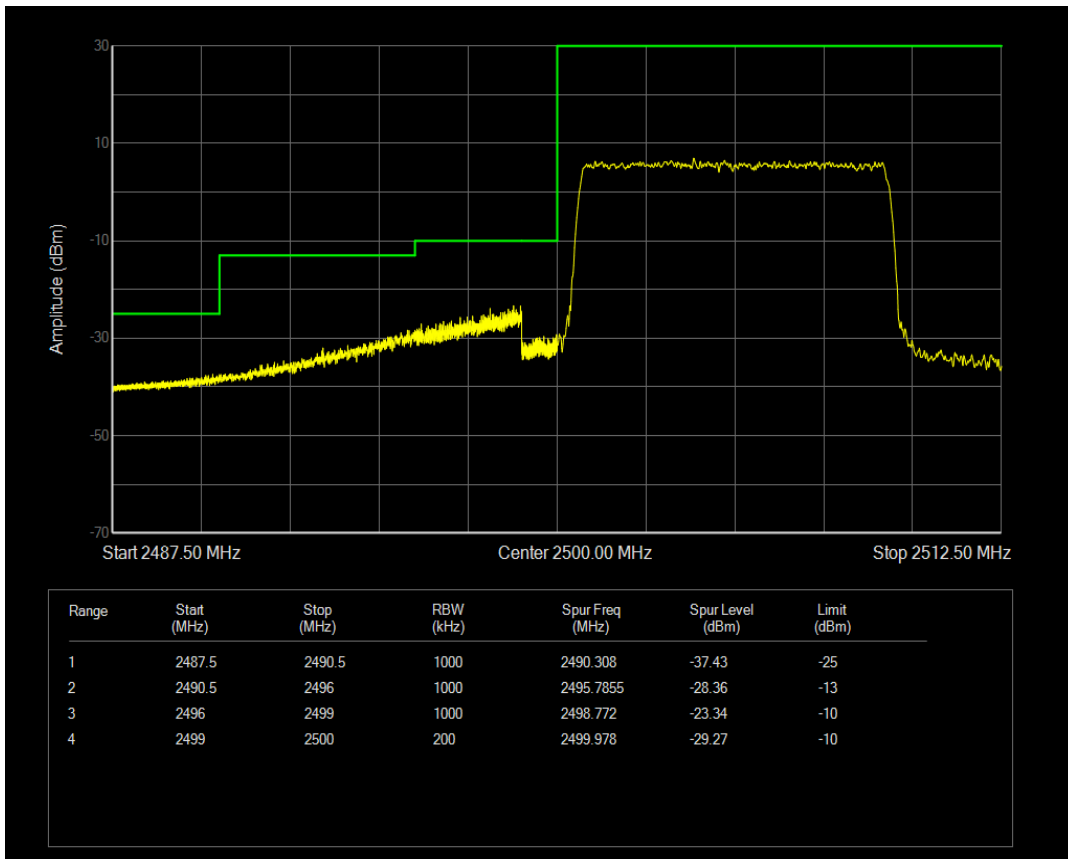


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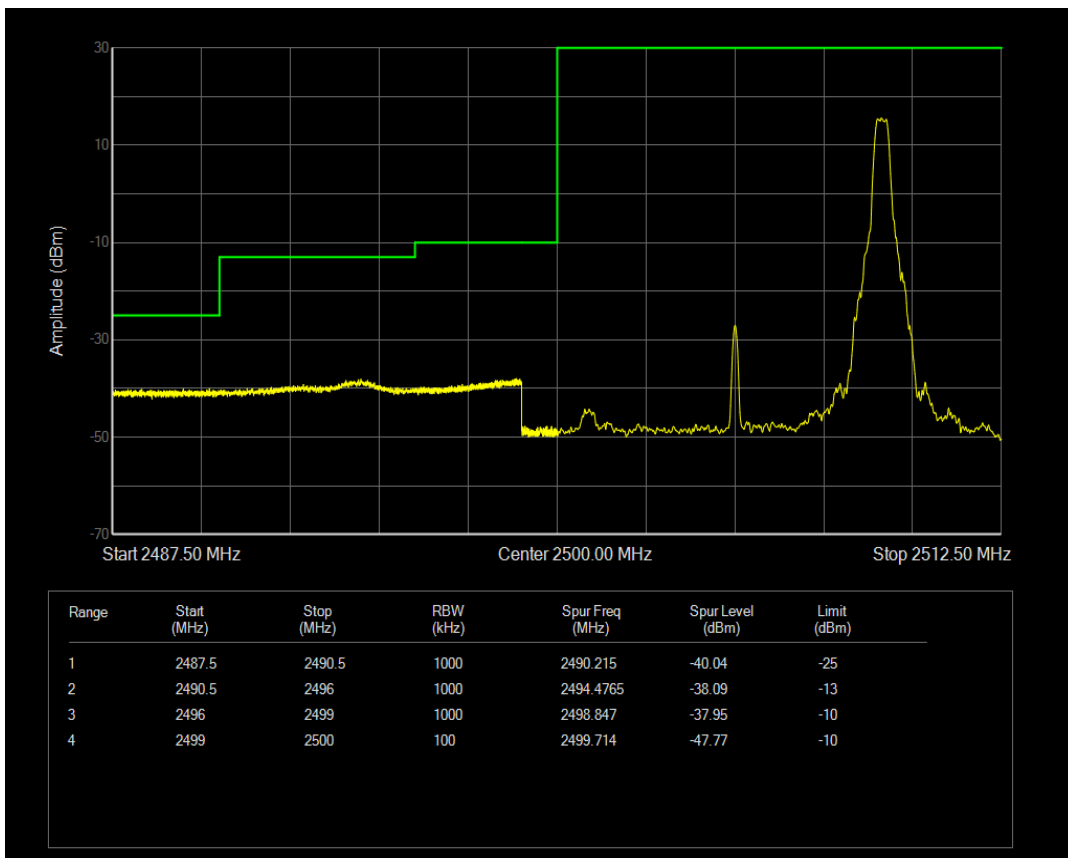


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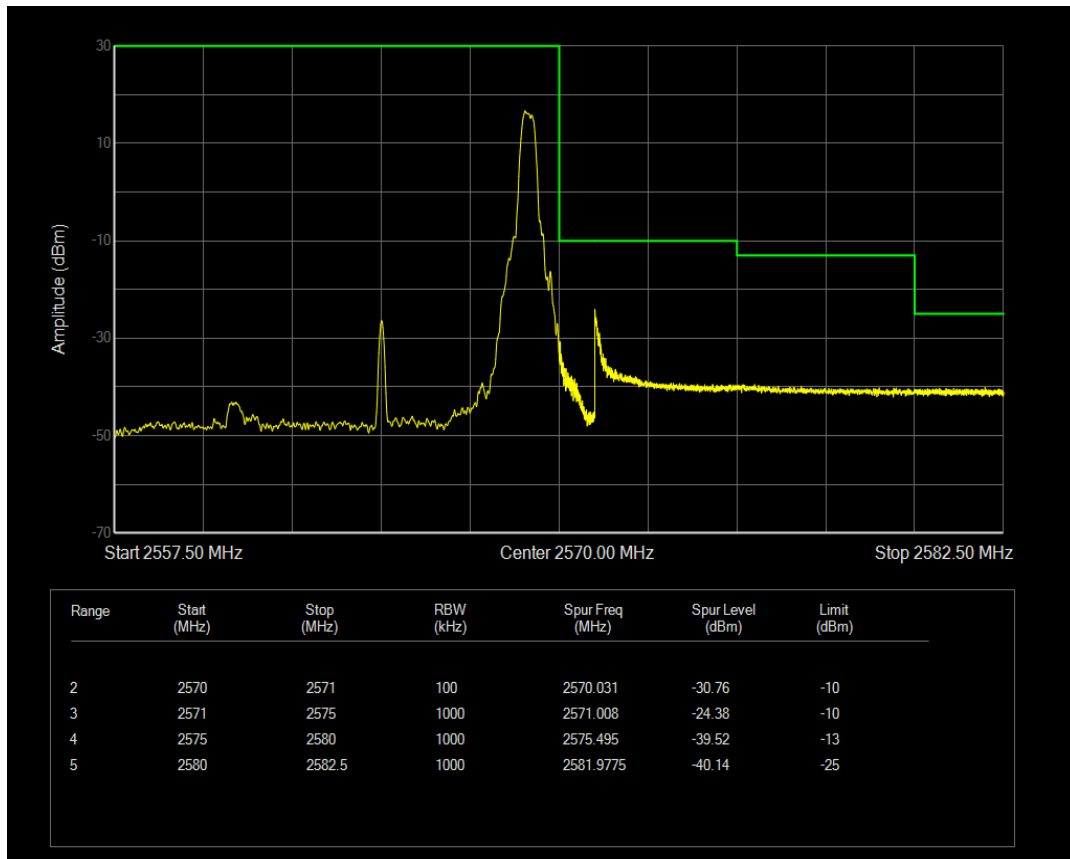




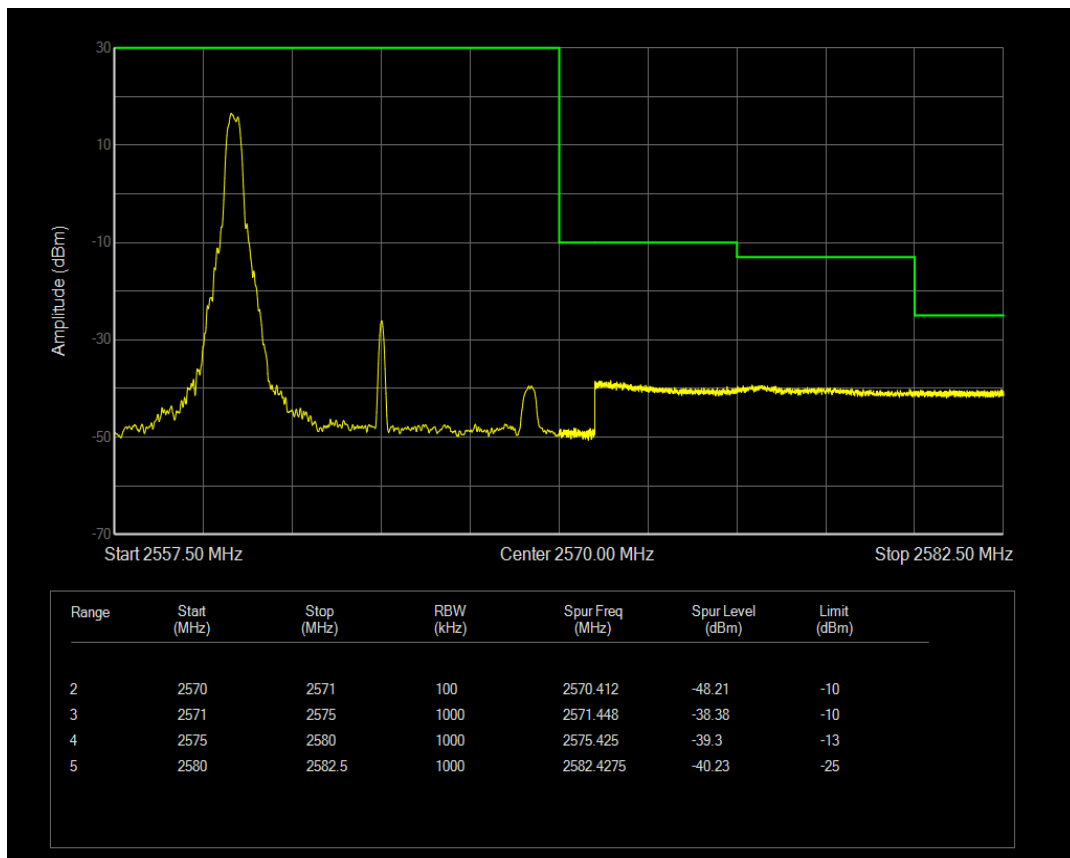
***n7 SCS=30kHz CP\_QPSK BW=10MHz Channel=501000 RB=1@23***



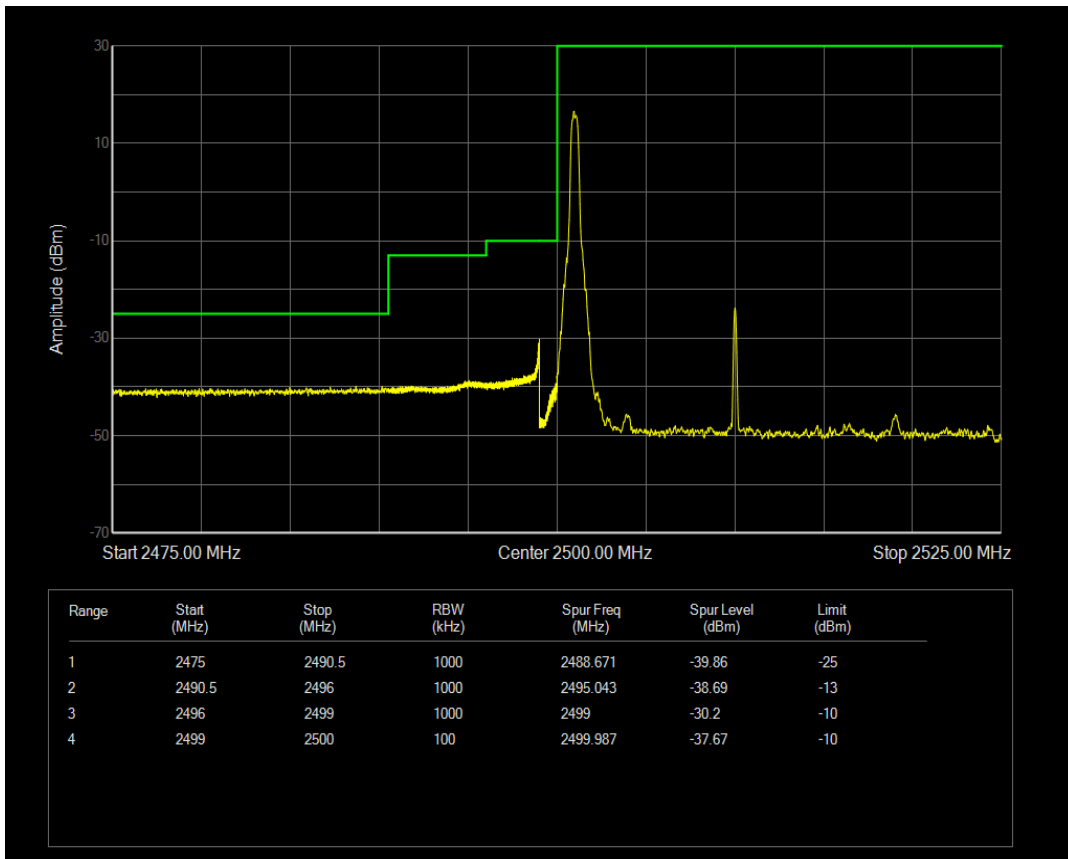
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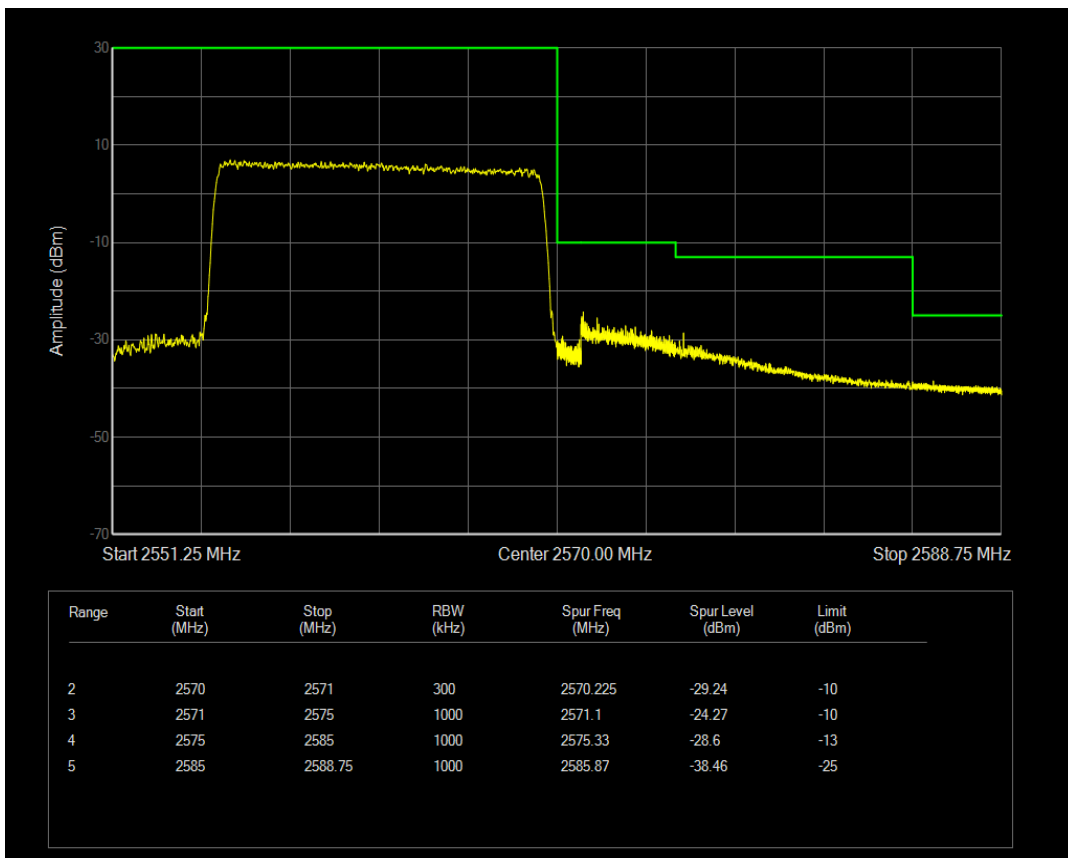
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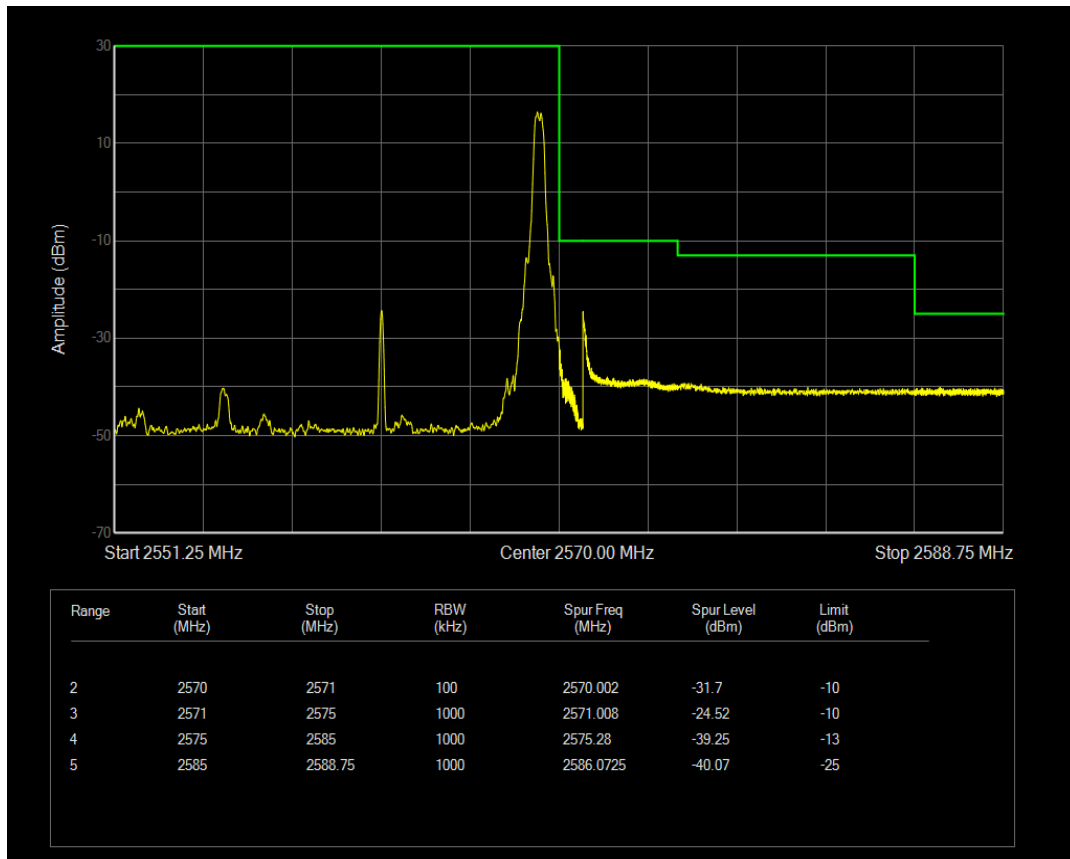
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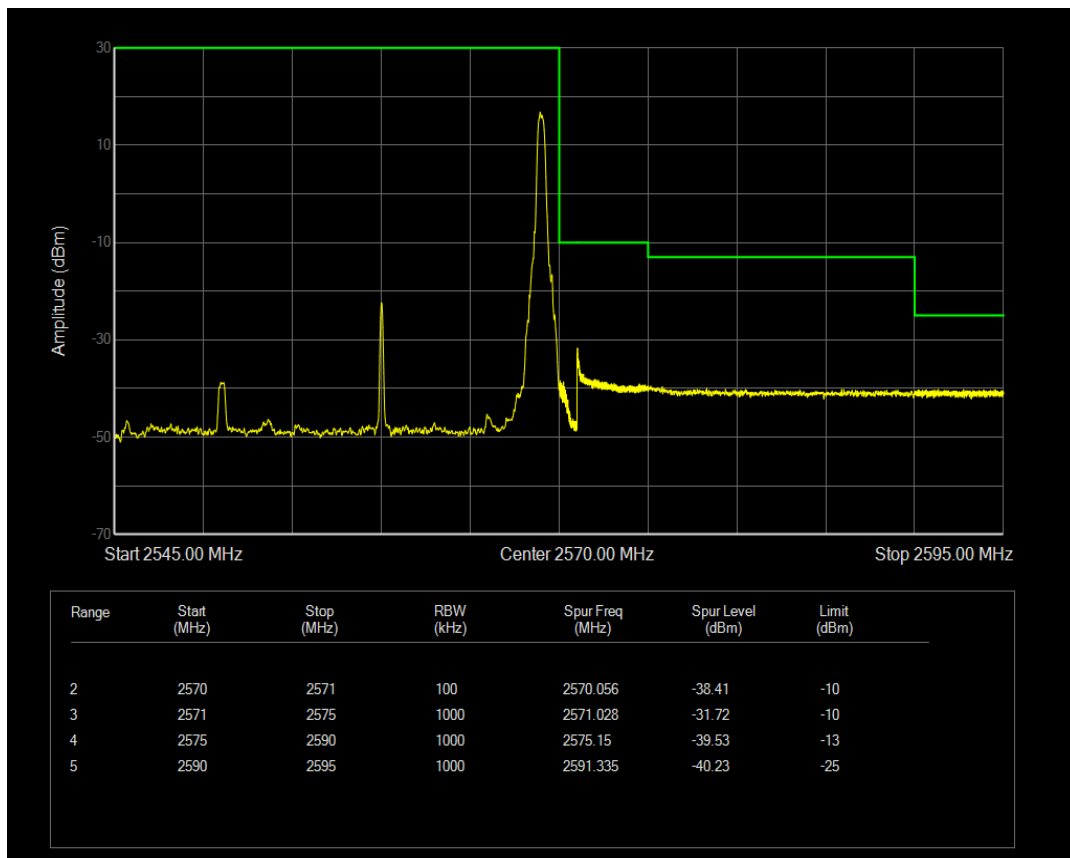
***n7 SCS=30kHz CP\_QPSK BW=15MHz Channel=512500 RB=38@0***



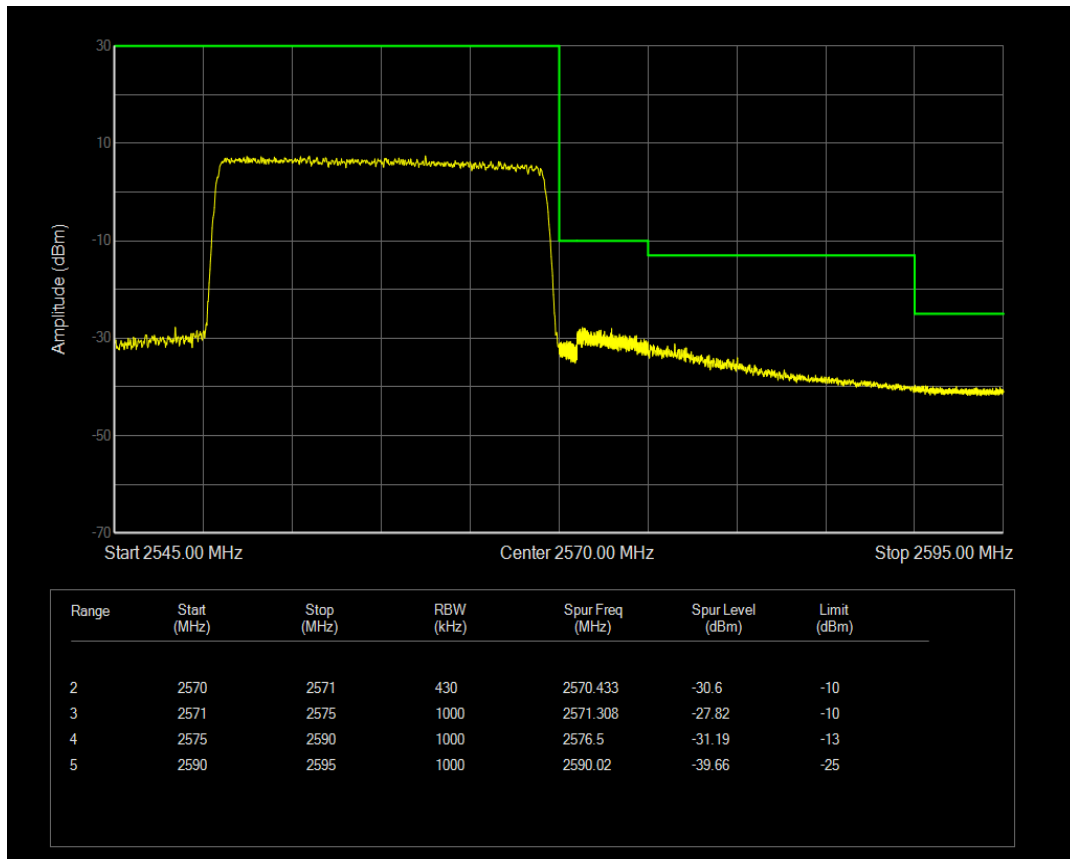
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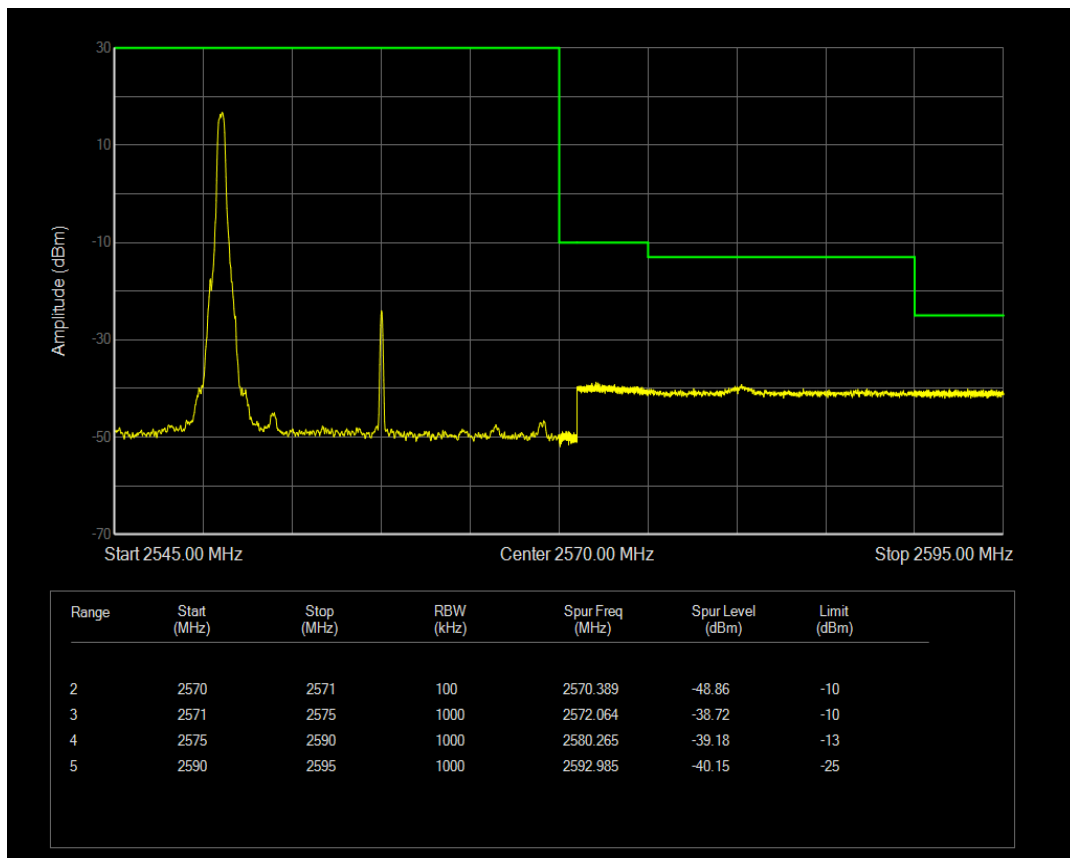
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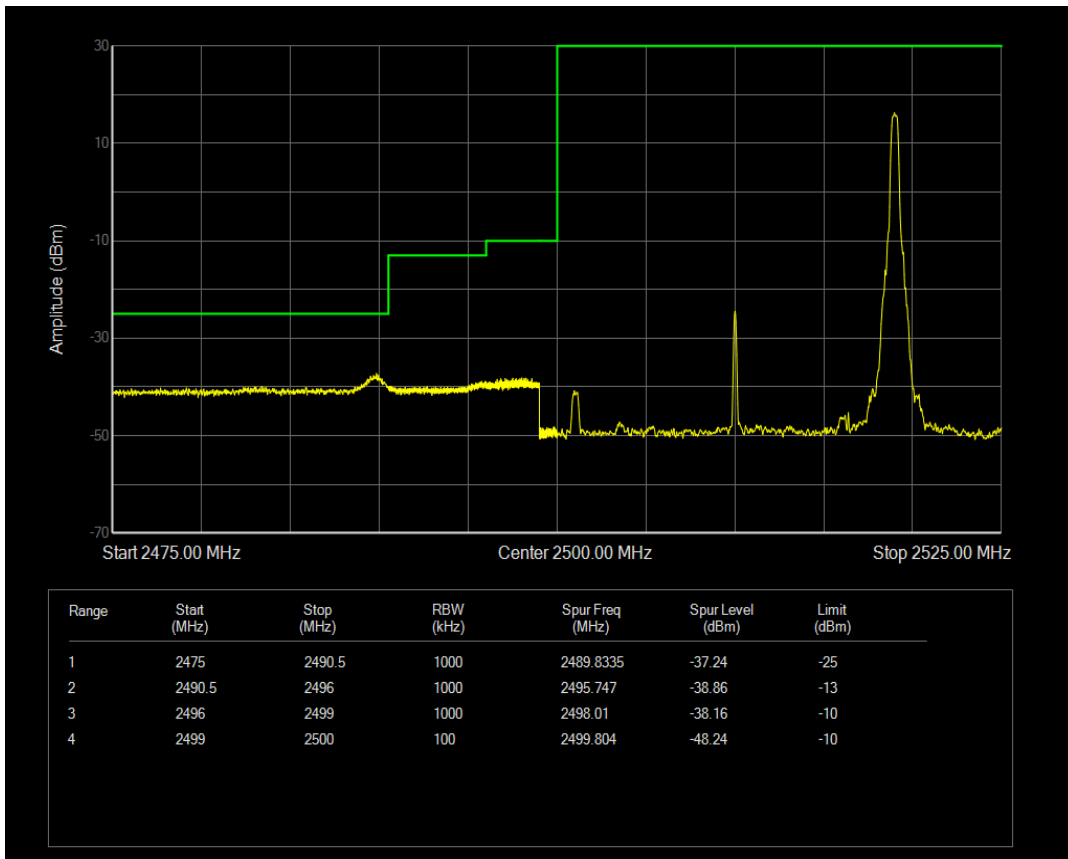
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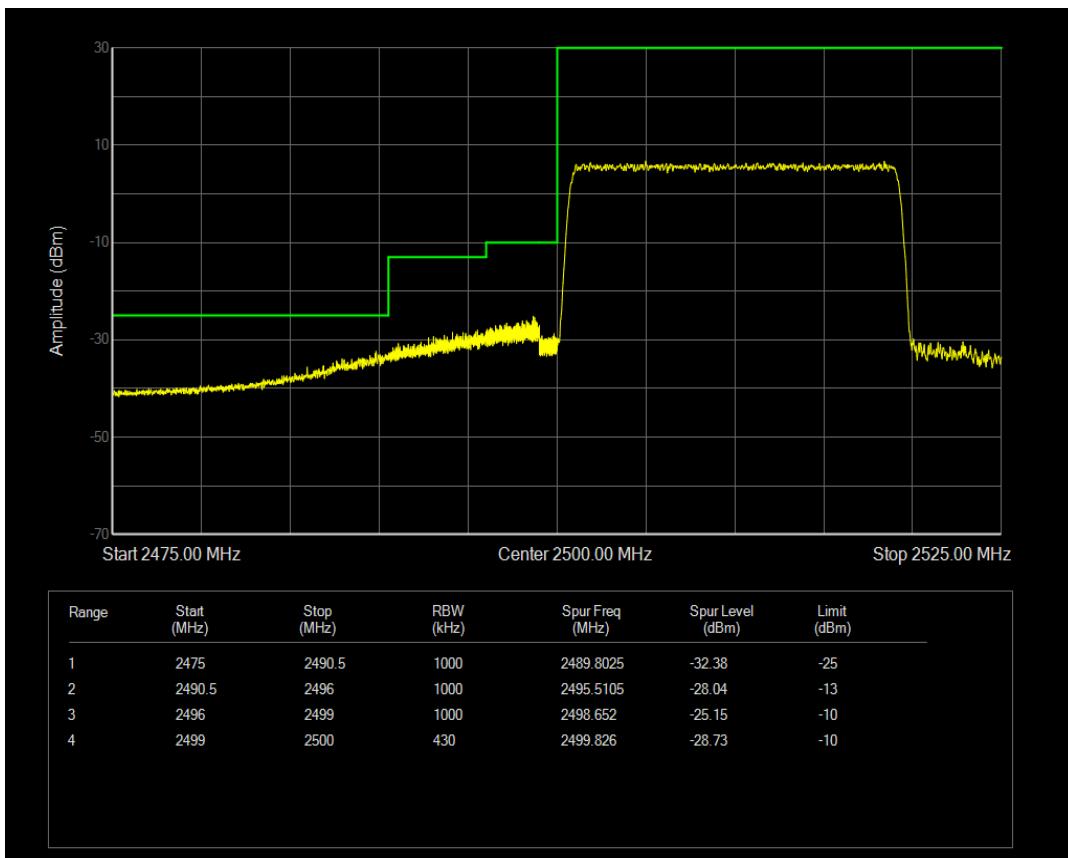
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***n7 SCS=30kHz CP\_QPSK BW=20MHz Channel=502000 RB=1@50***



**n7 SCS=30kHz CP\_QPSK BW=20MHz Channel=502000 RB=51@0**

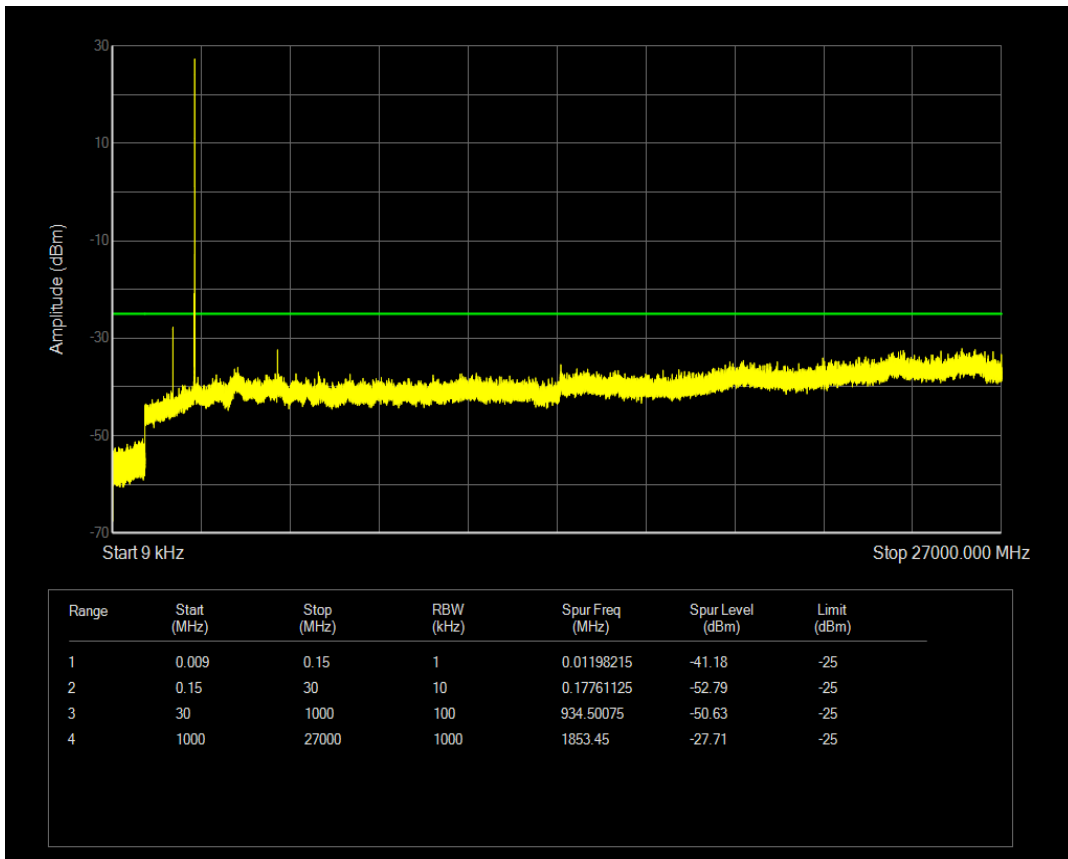


## 6 Out-of-band emissions for EN-DC

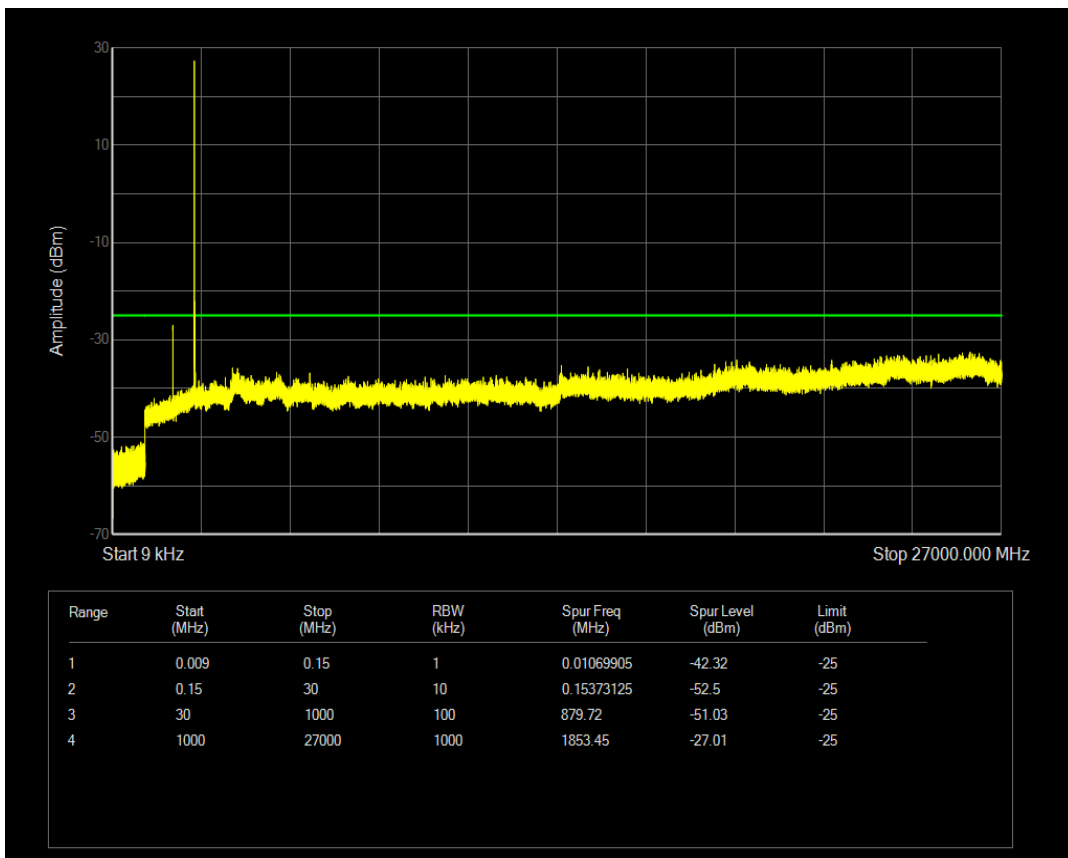
<b>Band</b>	<b>SCS (kHz)</b>	<b>Bandwidth (MHz)</b>	<b>UL Channel</b>	<b>RB Allocation</b>	<b>Modulation</b>	<b>Spur Freq (MHz)</b>	<b>Spur Level (dBm)</b>	<b>Limit (dBm)</b>	<b>Verdict</b>
n7	15	5	500500	25@0	CP_QPSK	1852.80	-27.14	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	1852.80	-27.31	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	1850.20	-26.92	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	1852.80	-27.19	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	1852.80	-26.95	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	1851.50	-27.75	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	1852.80	-26.98	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	1853.45	-27.01	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	1853.45	-27.71	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	1852.80	-27.07	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	1852.80	-26.55	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	1850.85	-27.83	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	1853.45	-26.78	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	1853.45	-26.84	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	1852.80	-27.68	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	1850.85	-26.95	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	1852.80	-26.66	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	1853.45	-26.99	-25	PASS

**n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=501500 RB=1@78**

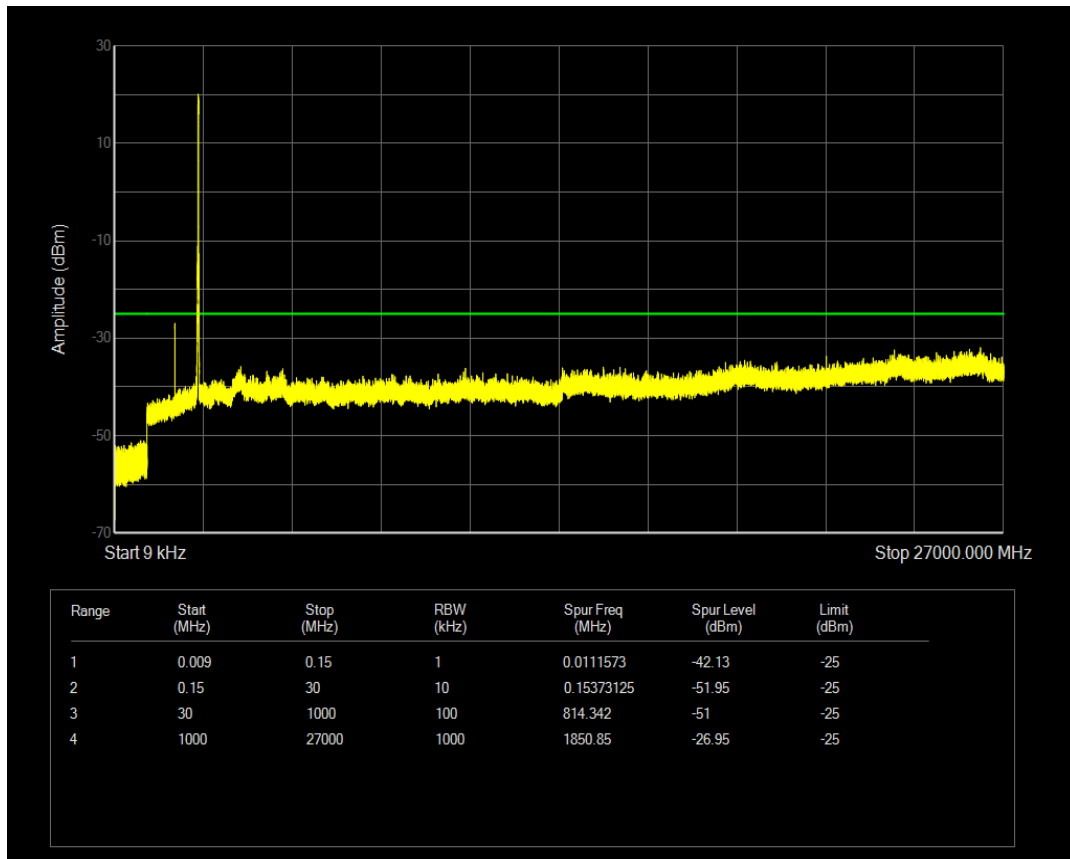




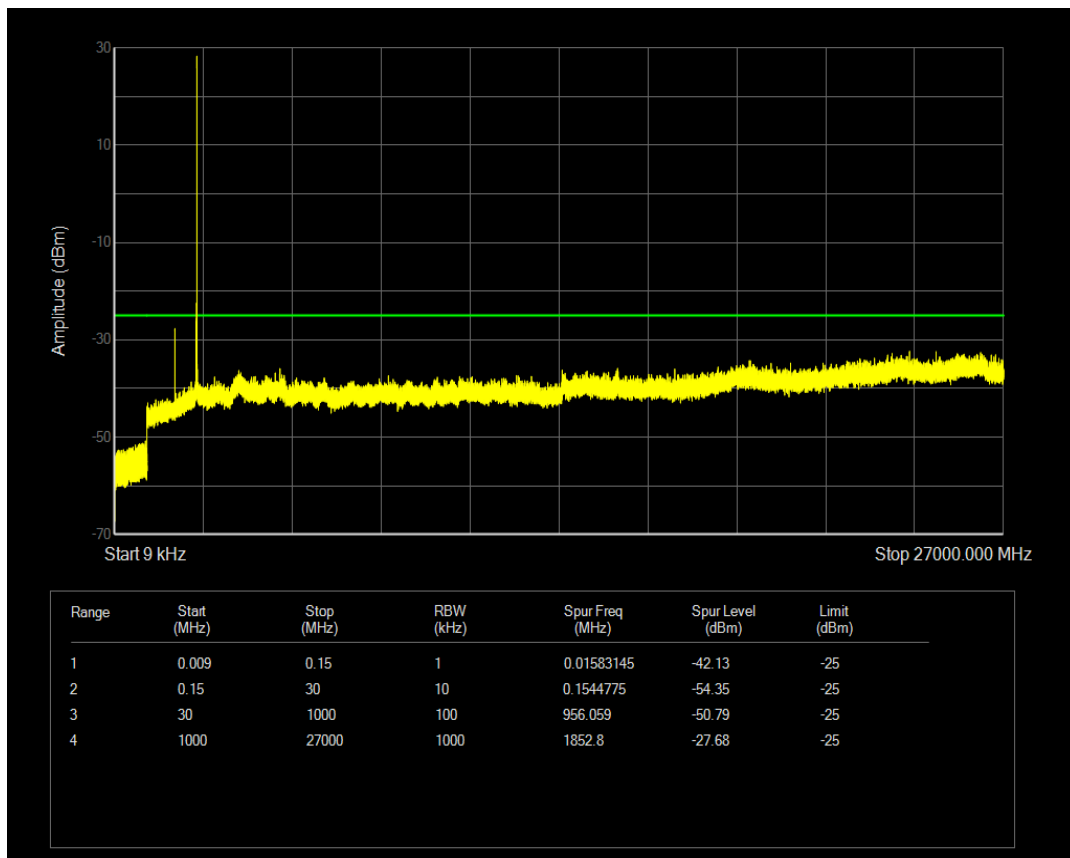
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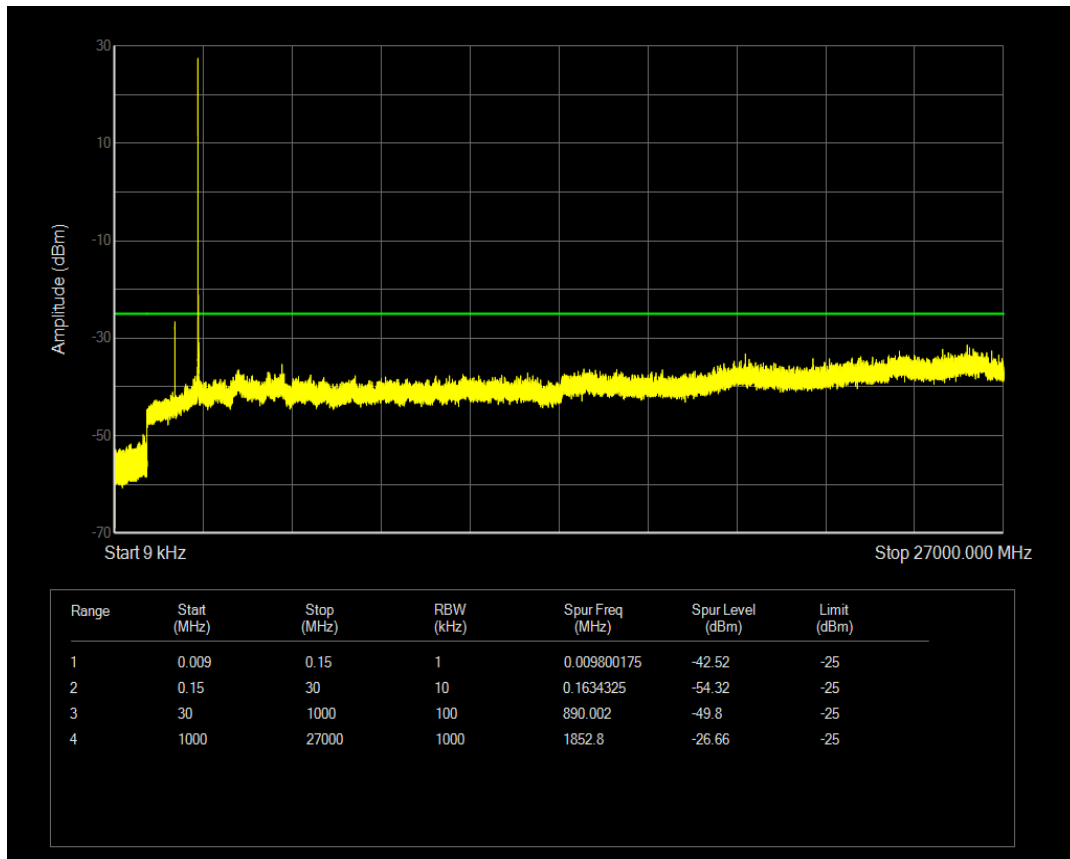
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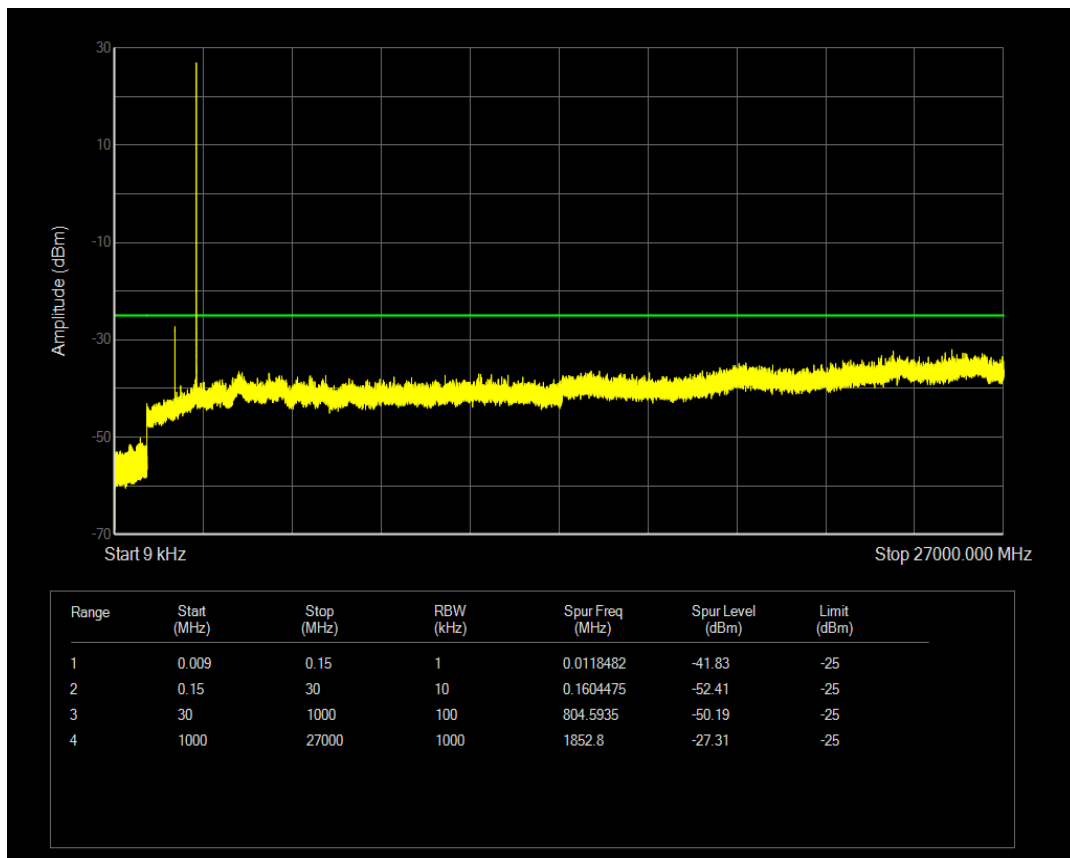
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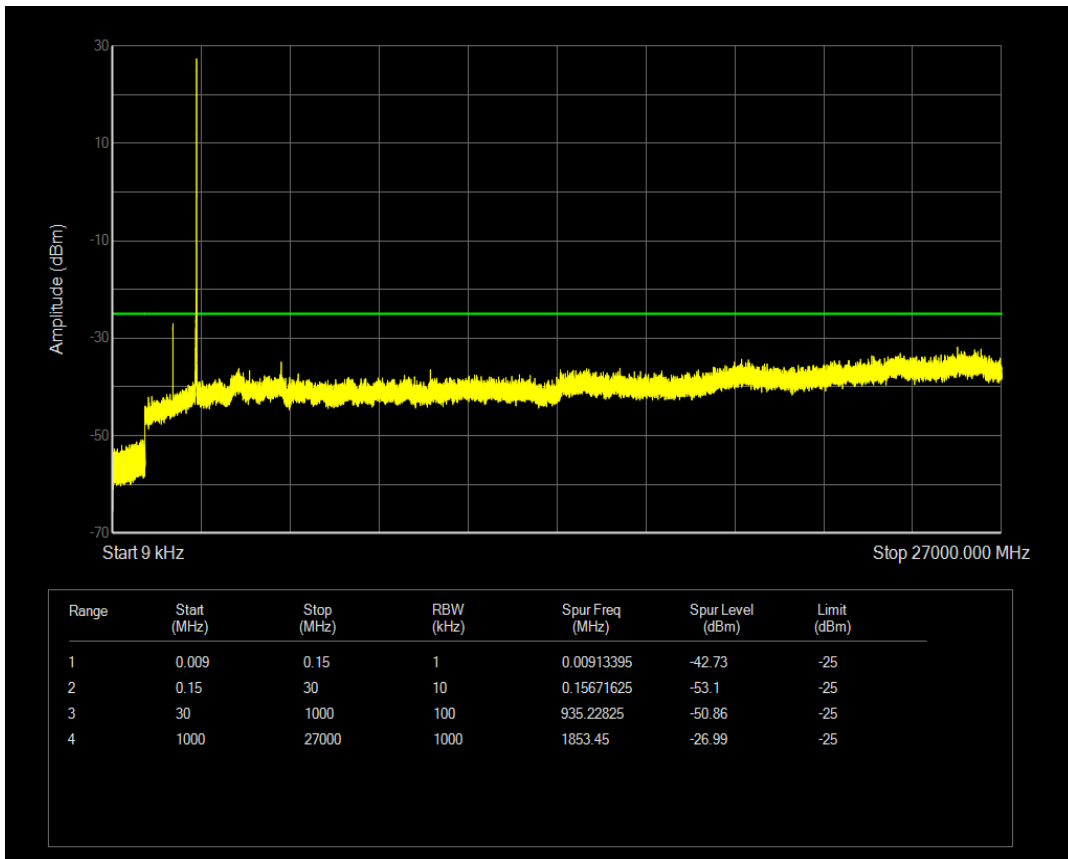
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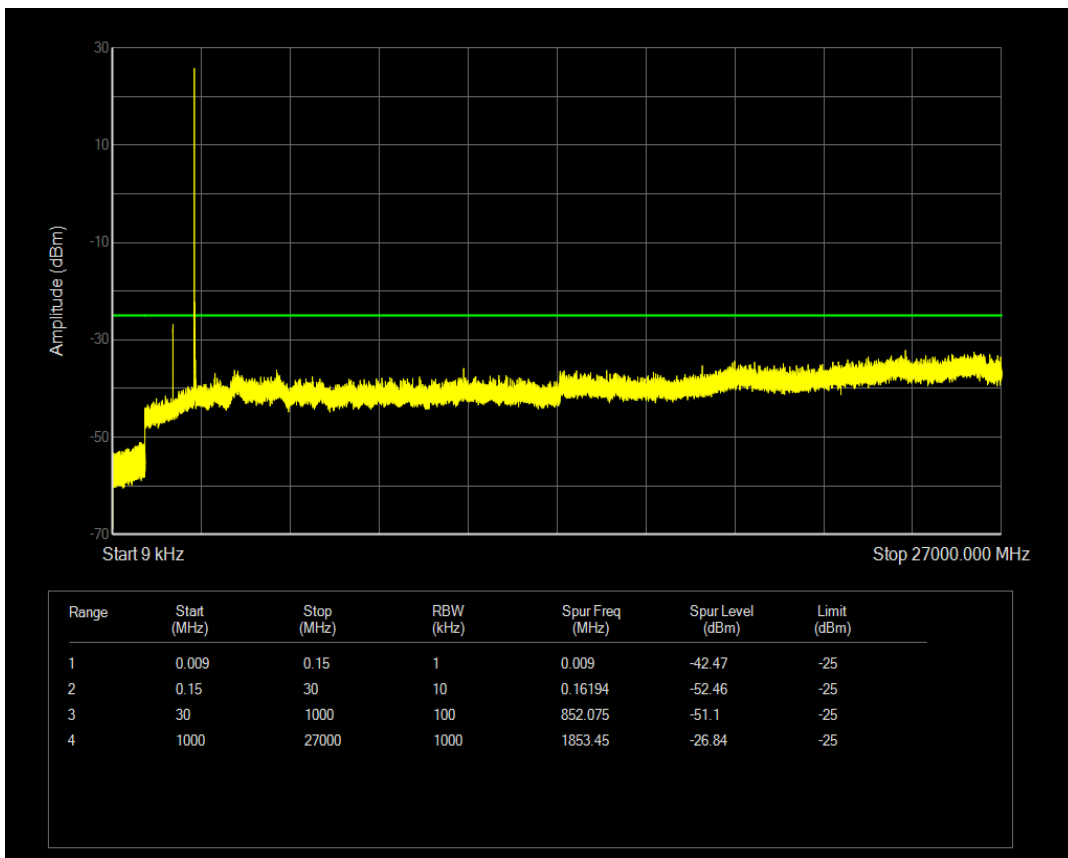
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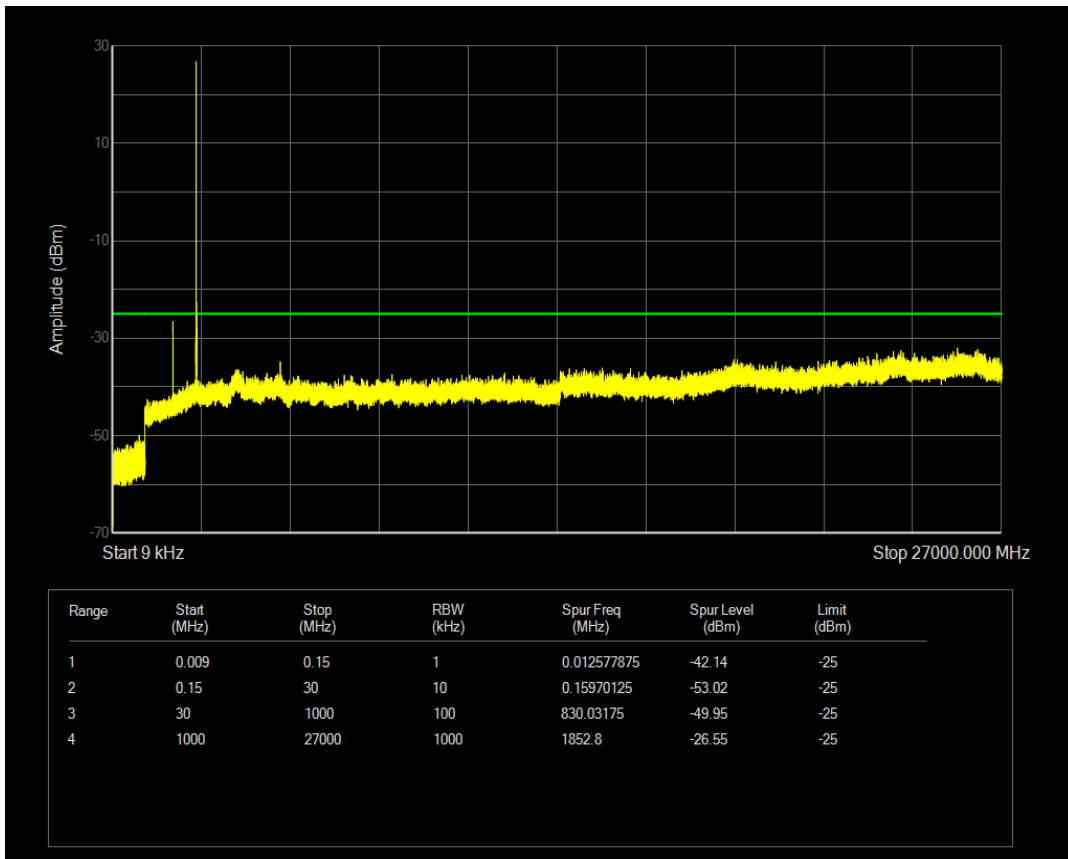
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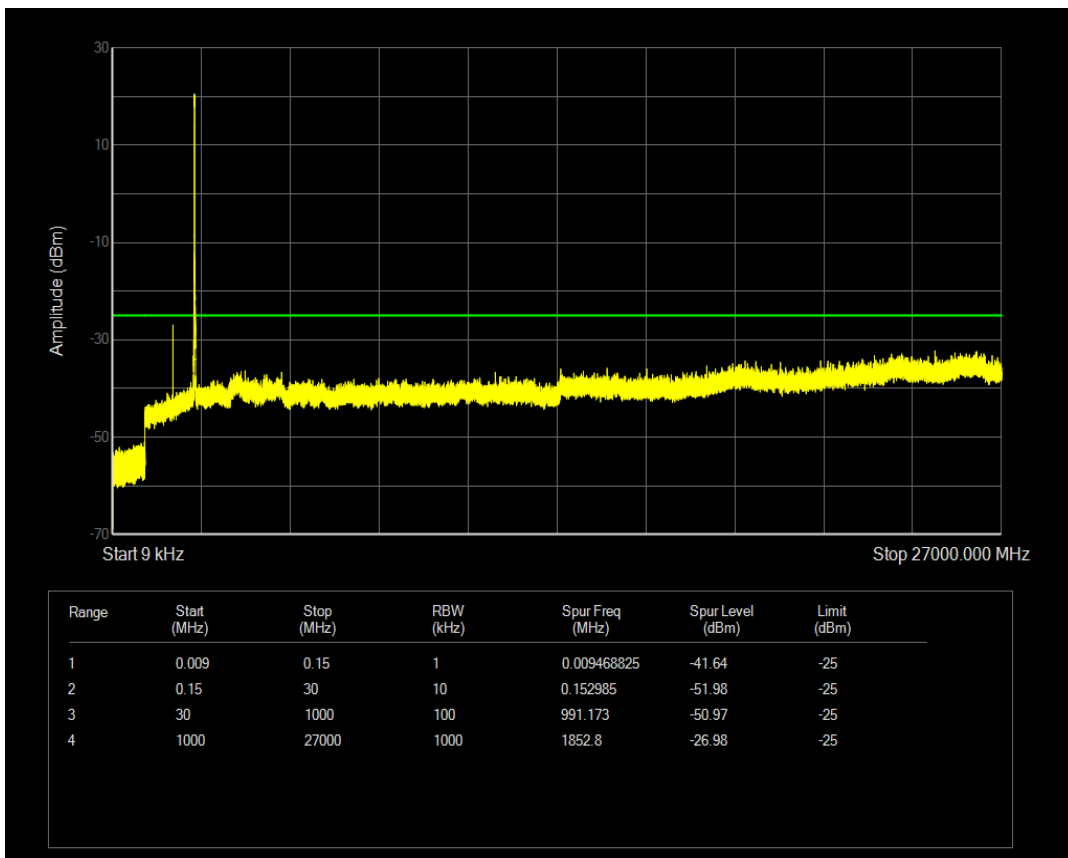
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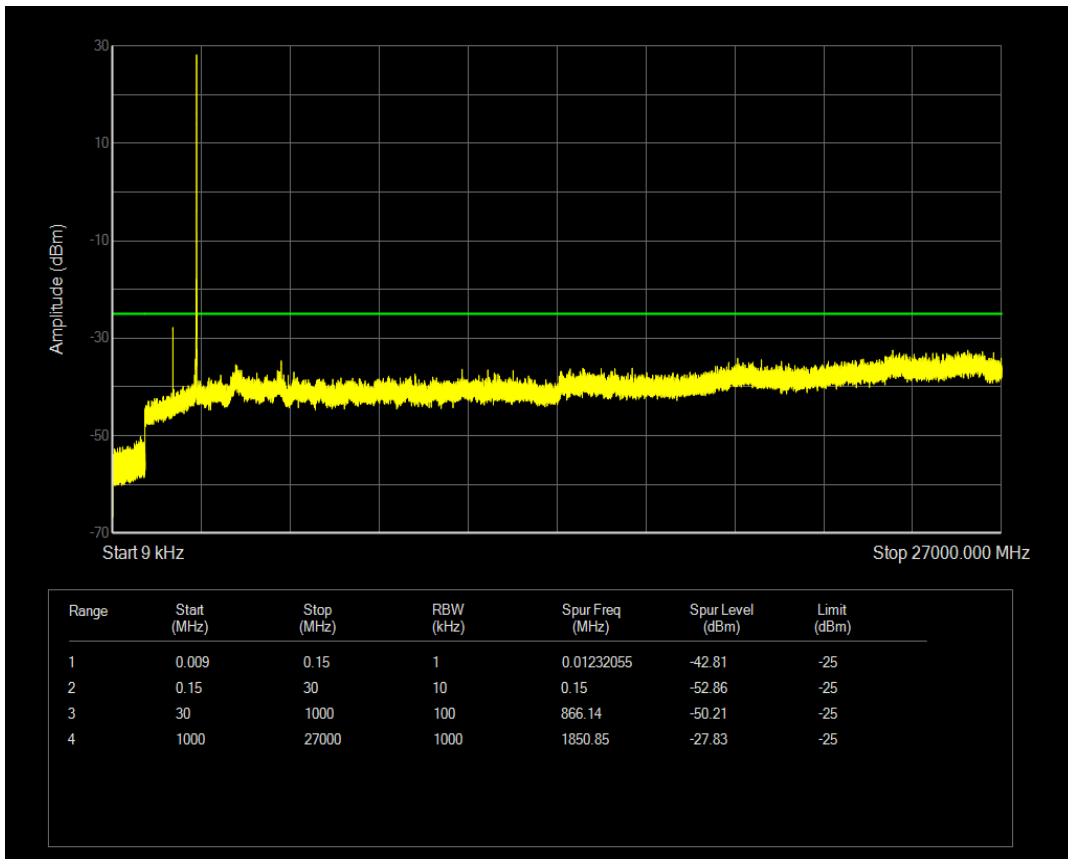
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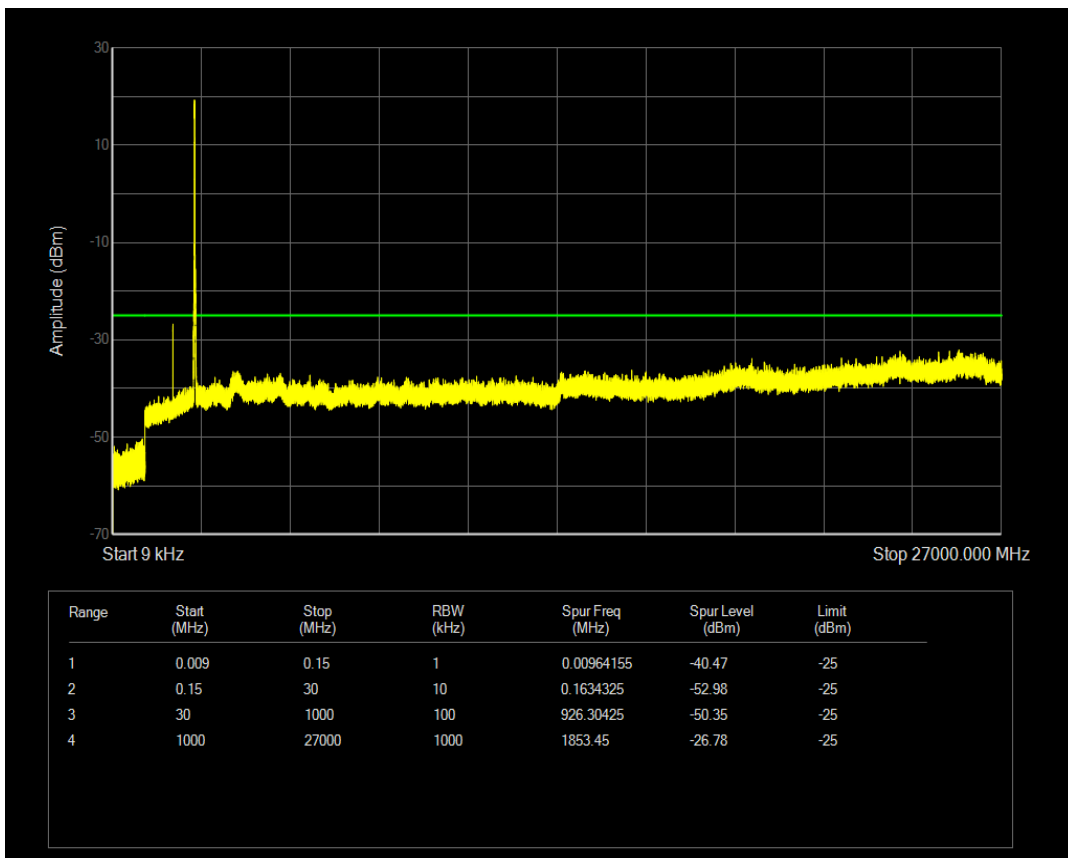
***n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=501500 RB=79@0***



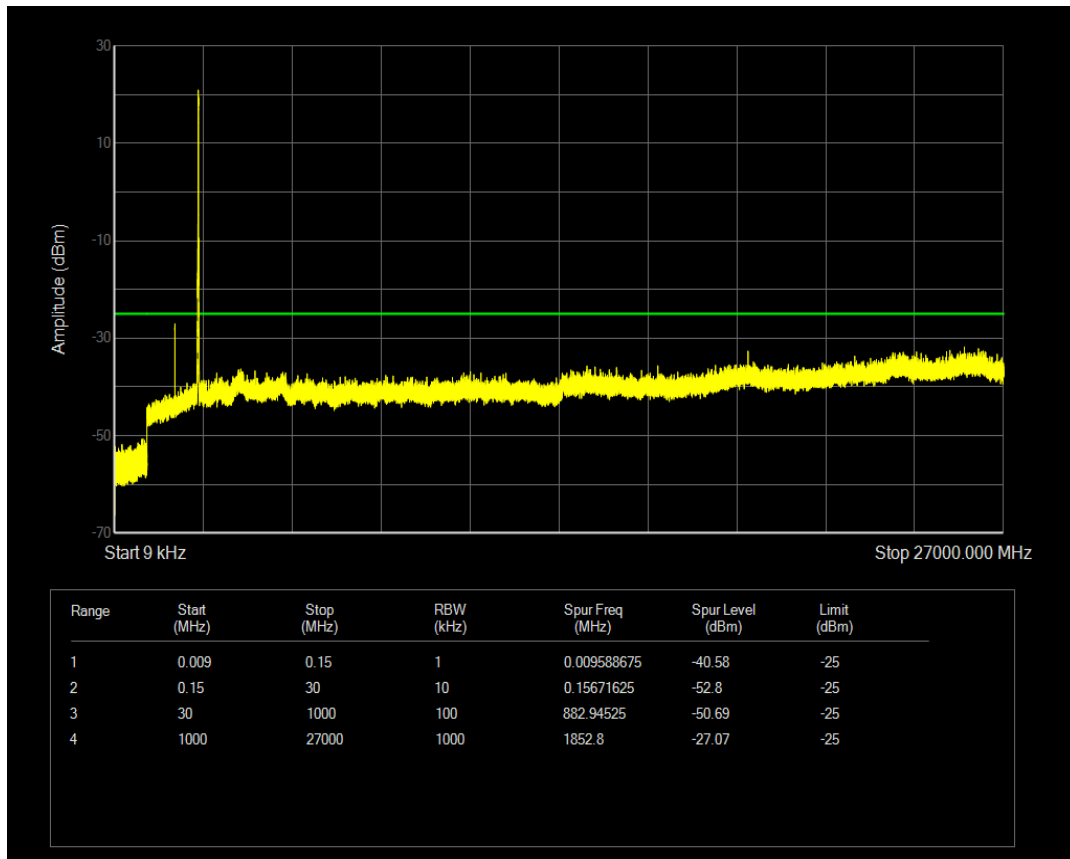
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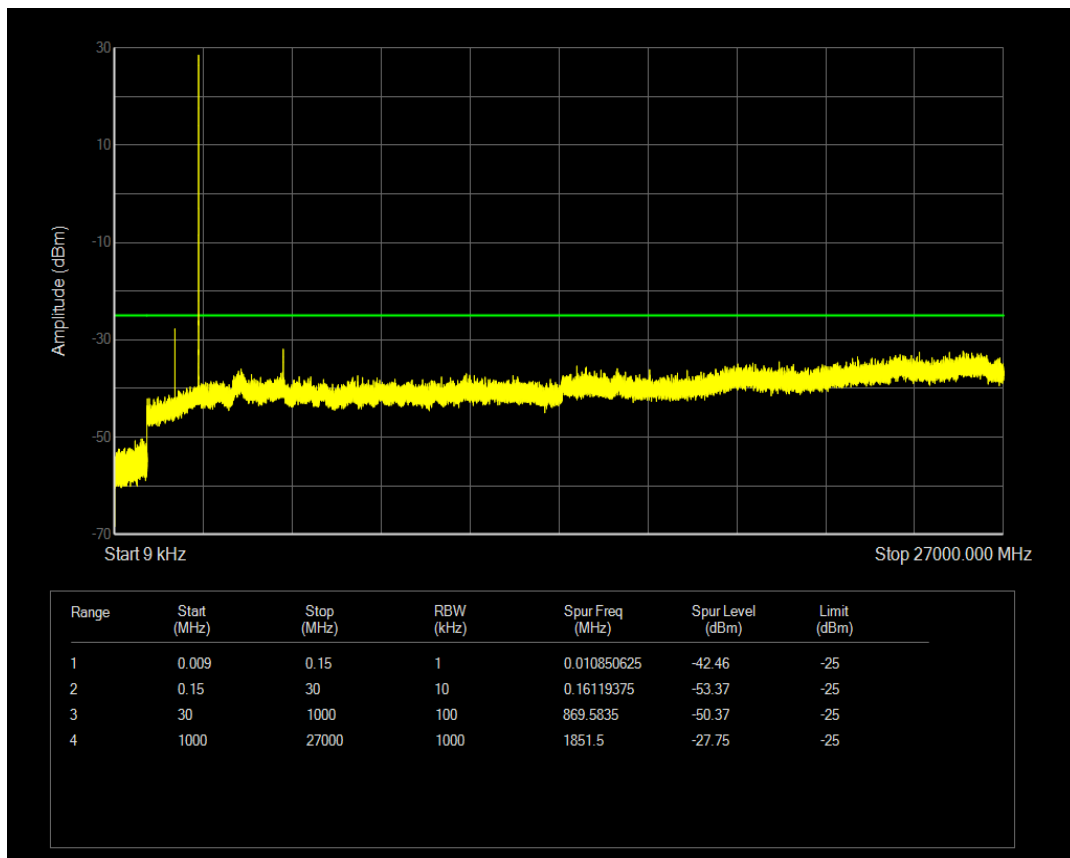
*n7 SCS=15kHz CP\_QPSK BW=20MHz Channel=502000 RB=106@0*



*n7 SCS=15kHz CP\_QPSK BW=15MHz Channel=512500 RB=79@0*

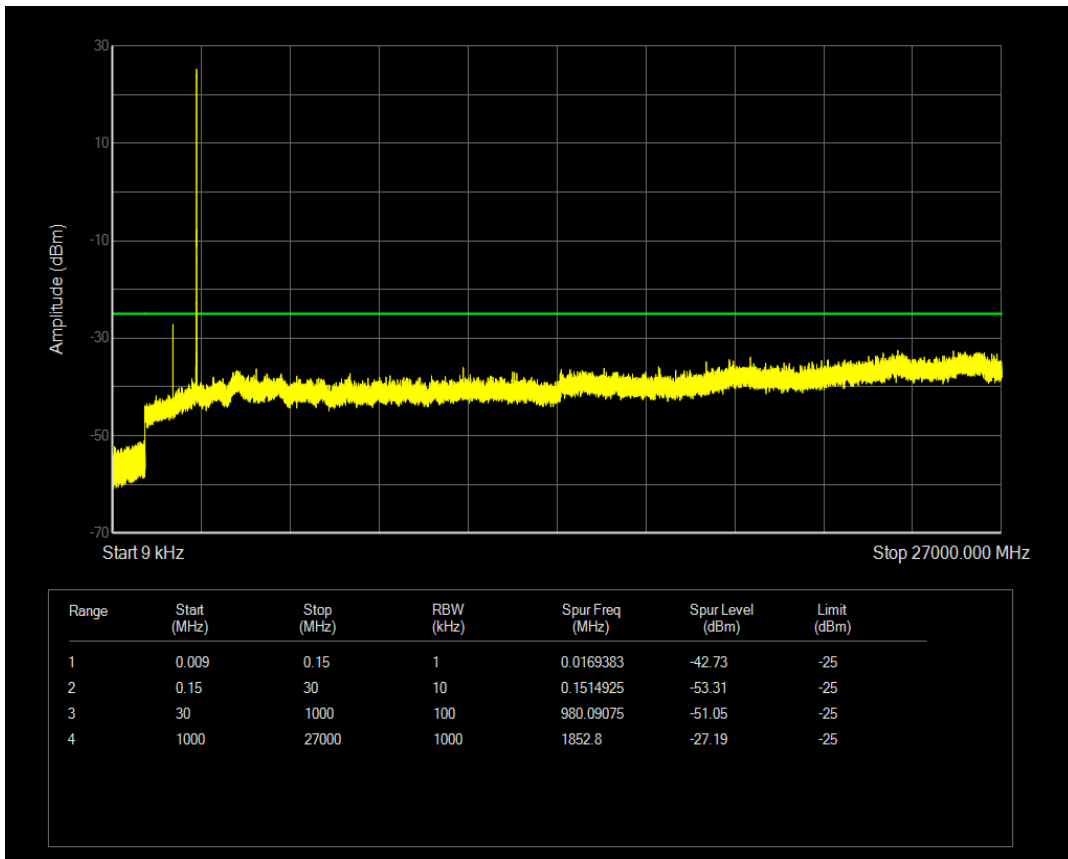


***n7 SCS=15kHz CP\_QPSK BW=5MHz Channel=513500 RB=1@24***

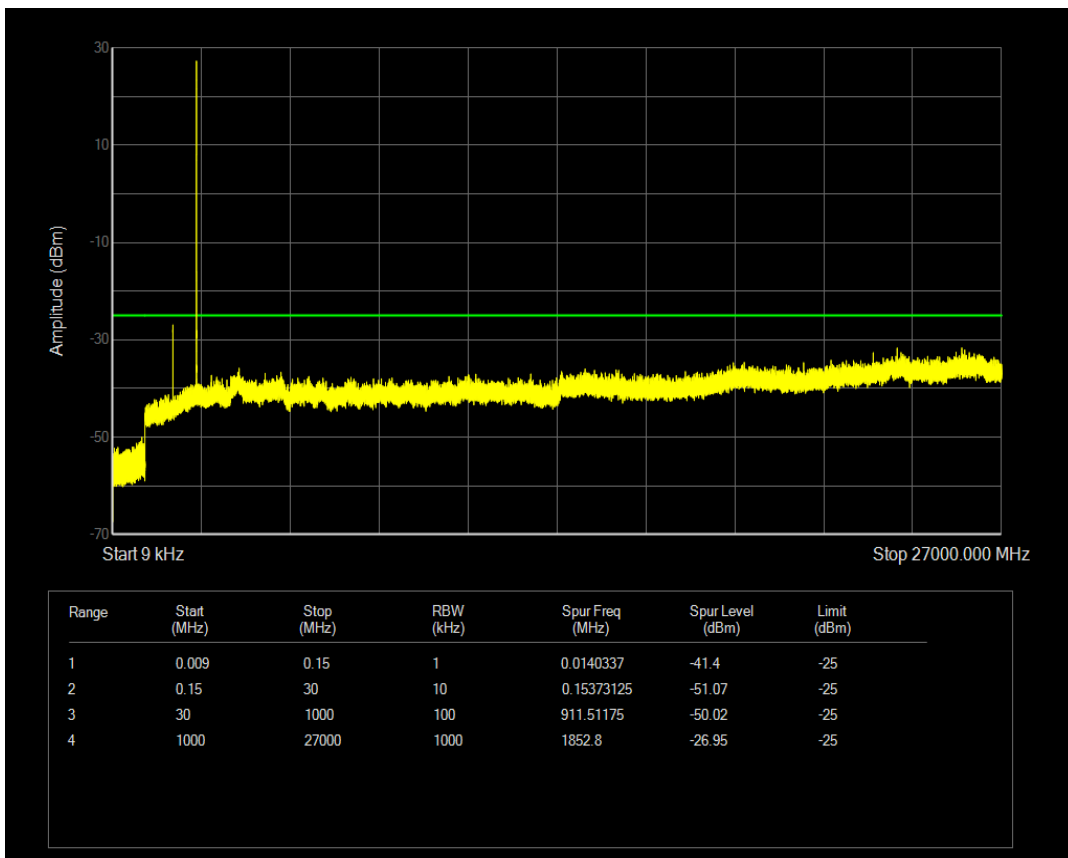


***n7 SCS=15kHz CP\_QPSK BW=5MHz Channel=513500 RB=25@0***

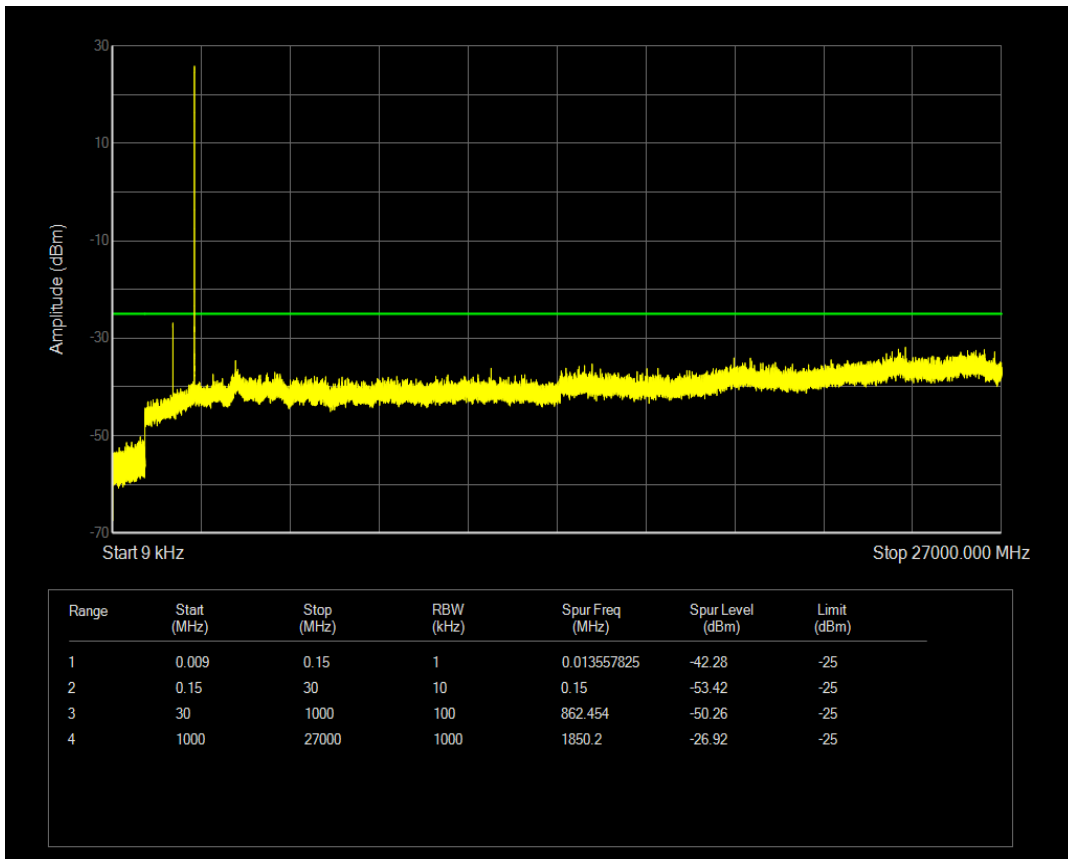




*n7 SCS=15kHz CP\_QPSK BW=5MHz Channel=513500 RB=1@0*



*n7 SCS=15kHz CP\_QPSK BW=5MHz Channel=500500 RB=1@24*



*n7 SCS=15kHz CP\_QPSK BW=5MHz Channel=500500 RB=25@0*

