



n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598 RB=50@0



n41 SCS=30kHz DFT_BPSK BW=40MHz Channel=518598 RB=100@0



n41 SCS=30kHz DFT_BPSK BW=50MHz Channel=518598 RB=128@0



n41 SCS=30kHz DFT_BPSK BW=60MHz Channel=518598 RB=162@0



n41 SCS=30kHz DFT_BPSK BW=80MHz Channel=518598 RB=216@0



n41 SCS=30kHz DFT_BPSK BW=90MHz Channel=518598 RB=240@0



n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QAM16 BW=20MHz Channel=518598 RB=50@0



n41 SCS=30kHz DFT_QAM16 BW=40MHz Channel=518598 RB=100@0



n41 SCS=30kHz DFT_QAM16 BW=50MHz Channel=518598 RB=128@0



n41 SCS=30kHz DFT_QAM16 BW=60MHz Channel=518598 RB=162 @0



n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=518598 RB=216 @0



n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=518598 RB=240 @0



n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=518598 RB=270 @0



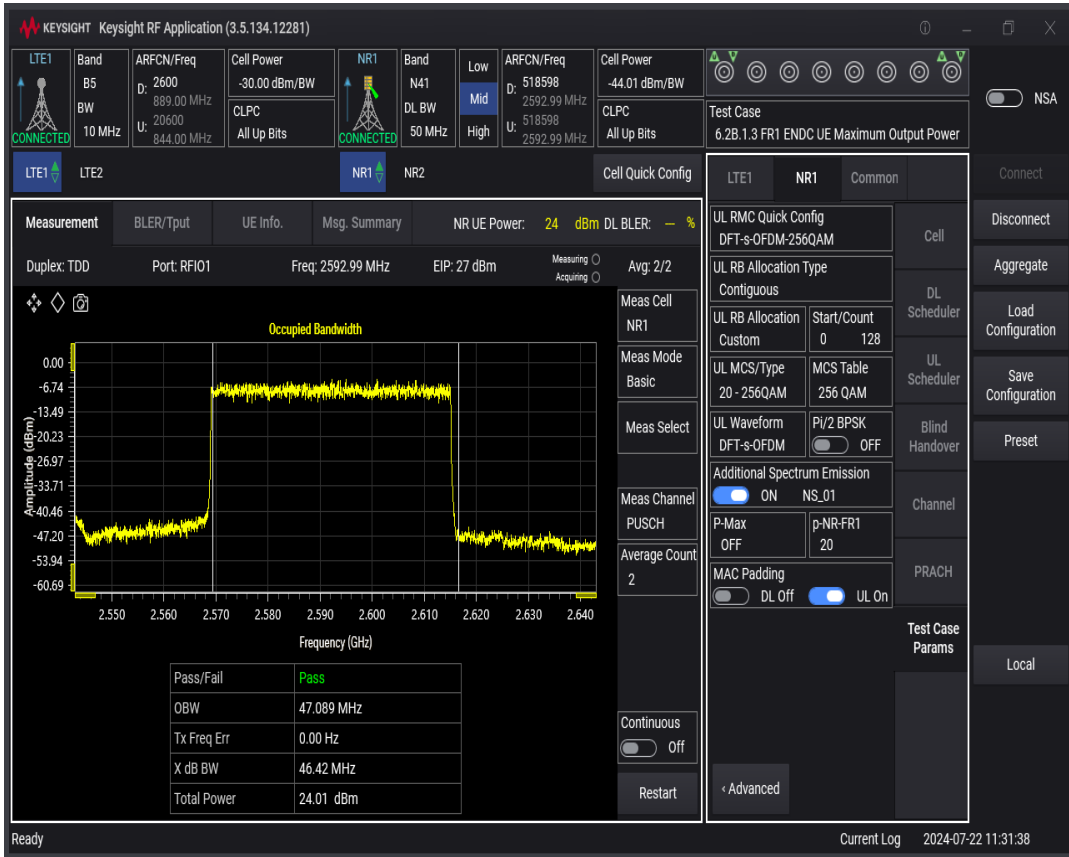
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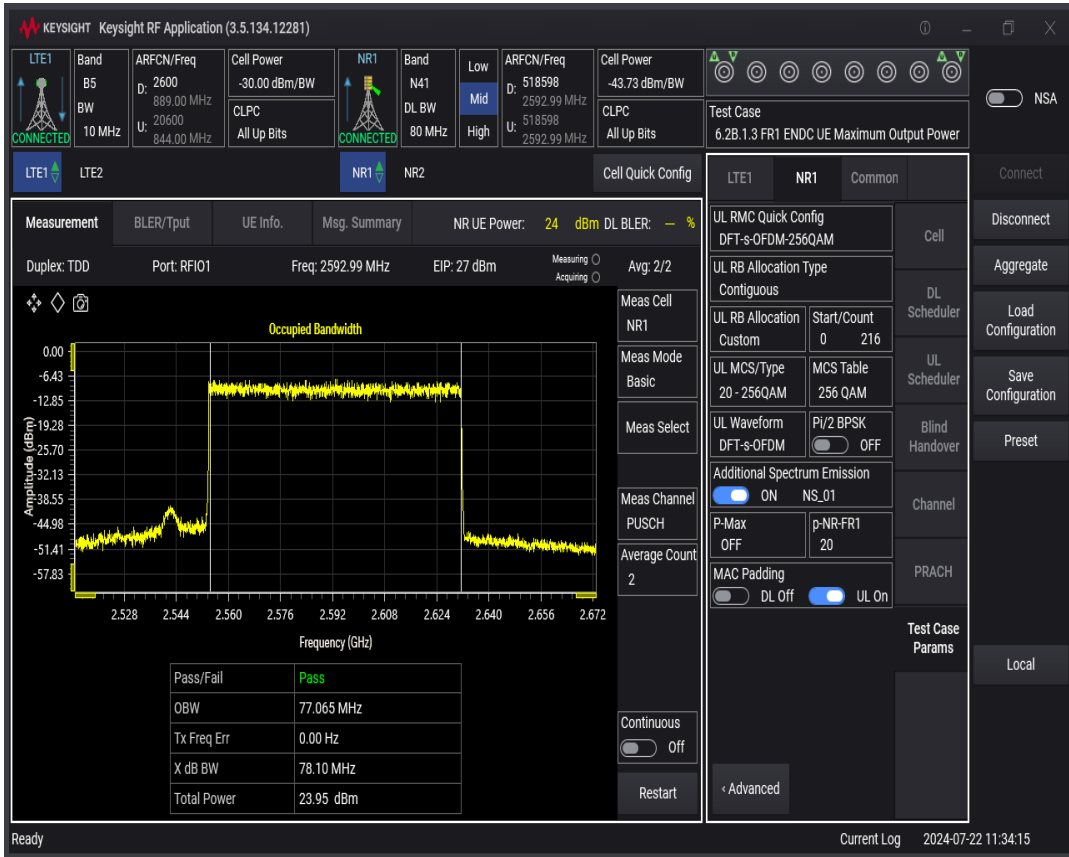
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n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=518598 RB=240@0



n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QAM64 BW=20MHz Channel=518598 RB=50@0



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n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=518598 RB=216 @0



n41 SCS=30kHz DFT_QAM64 BW=90MHz Channel=518598 RB=240 @0



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270 @0



n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=518598 RB=50@0



n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=518598 RB=100@0



n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=518598 RB=128@0



n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=518598 RB=162@0



n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=518598 RB=216@0



n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=518598 RB=240@0

KEYSIGHT Keysight RF Application (3.5.134.12281)

LTE1 Band B5 ARFCN/Freq D: 2600 889.00 MHz U: 20600 844.00 MHz Cell Power -30.00 dBm/BW CLPC All Up Bits

NR1 Band N41 DL BW 90 MHz Low Mid High ARFCN/Freq D: 518598 2592.99 MHz U: 518598 2592.99 MHz Cell Power -44.48 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: **24 dBm** DL BLER: — %

Duplex: TDD Port: RFIO1 Freq: 2592.99 MHz EIP: 28 dBm Measuring Acquiring Avg: 2/2

Pass/Fail	Pass
OBW	86.334 MHz
Tx Freq Err	0.00 Hz
X dB BW	86.74 MHz
Total Power	24.12 dBm

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 0 240

UL MCS/Table 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 20

MAC Padding DL Off UL On

Test Case Params

Local

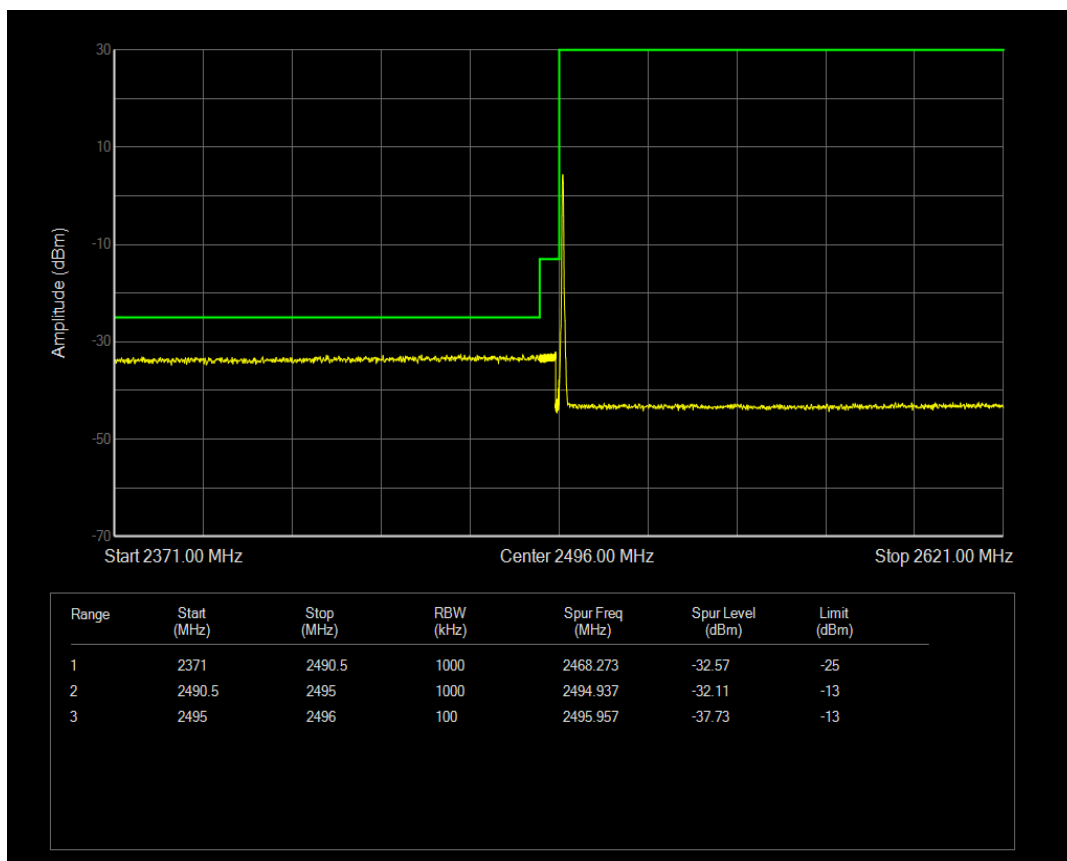
Ready

Current Log 2024-07-22 11:34:29

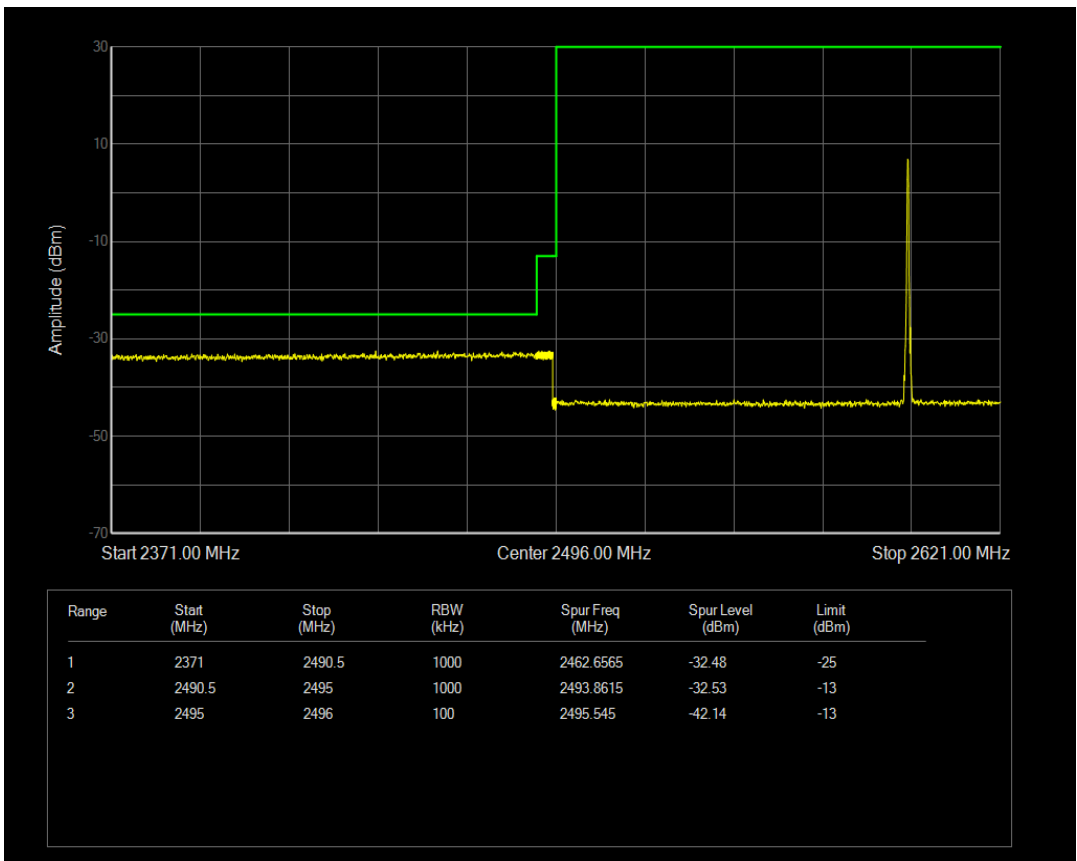
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	20	501204	51@0	CP_QPSK	2490.09	-31.86	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	2477.71	-32.55	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	2489.25	-32.62	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	2711.08	-32.59	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	2714.62	-32.52	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	2710.87	-32.42	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	2487.19	-32.38	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	2476.36	-32.43	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	2478.07	-32.56	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	2751.23	-32.49	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	2740.29	-32.61	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	2742.36	-32.76	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	2484.53	-32.21	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	2468.27	-32.57	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	2462.66	-32.48	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	2790.55	-32.43	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	2794.53	-32.69	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	2790.58	-32.62	-25	PASS

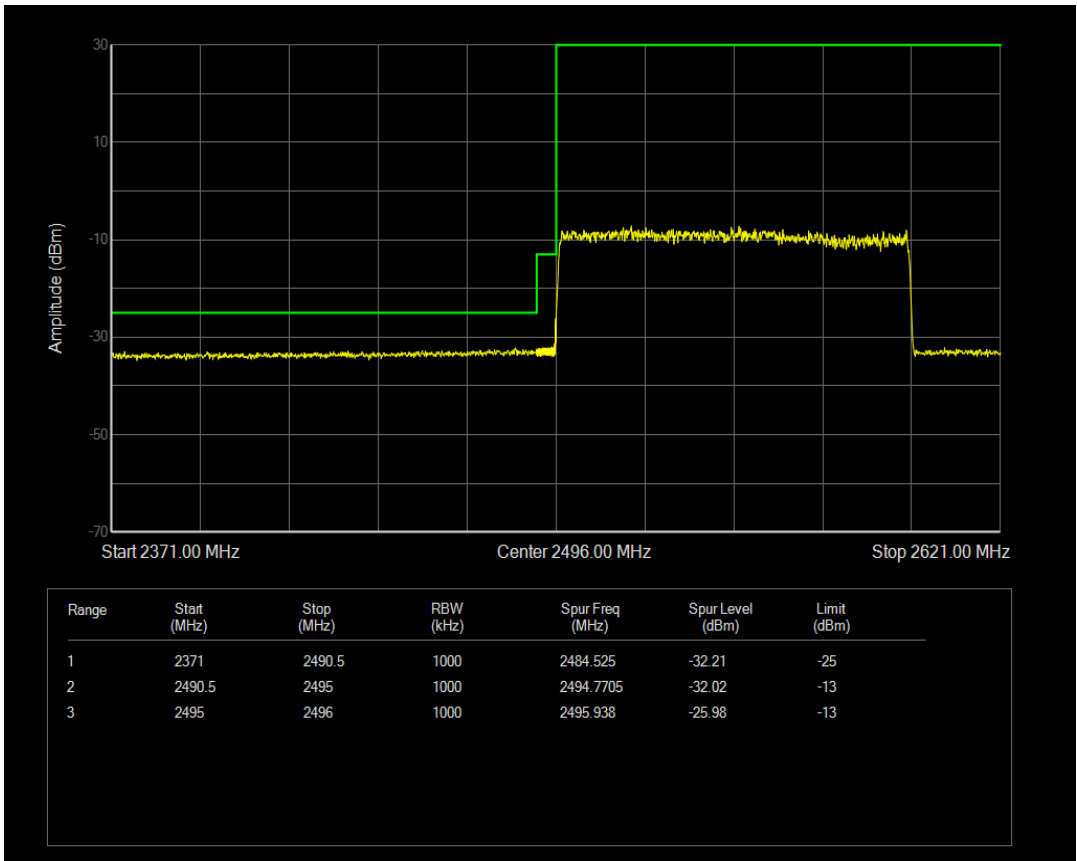
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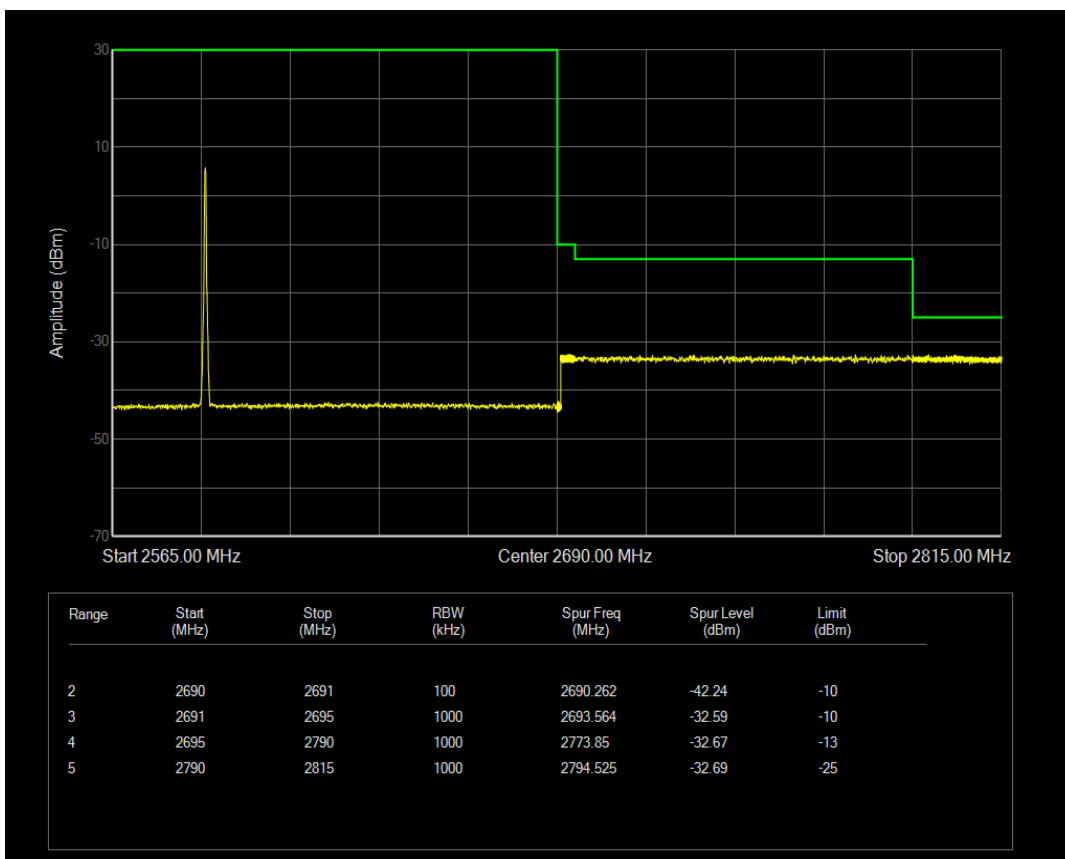
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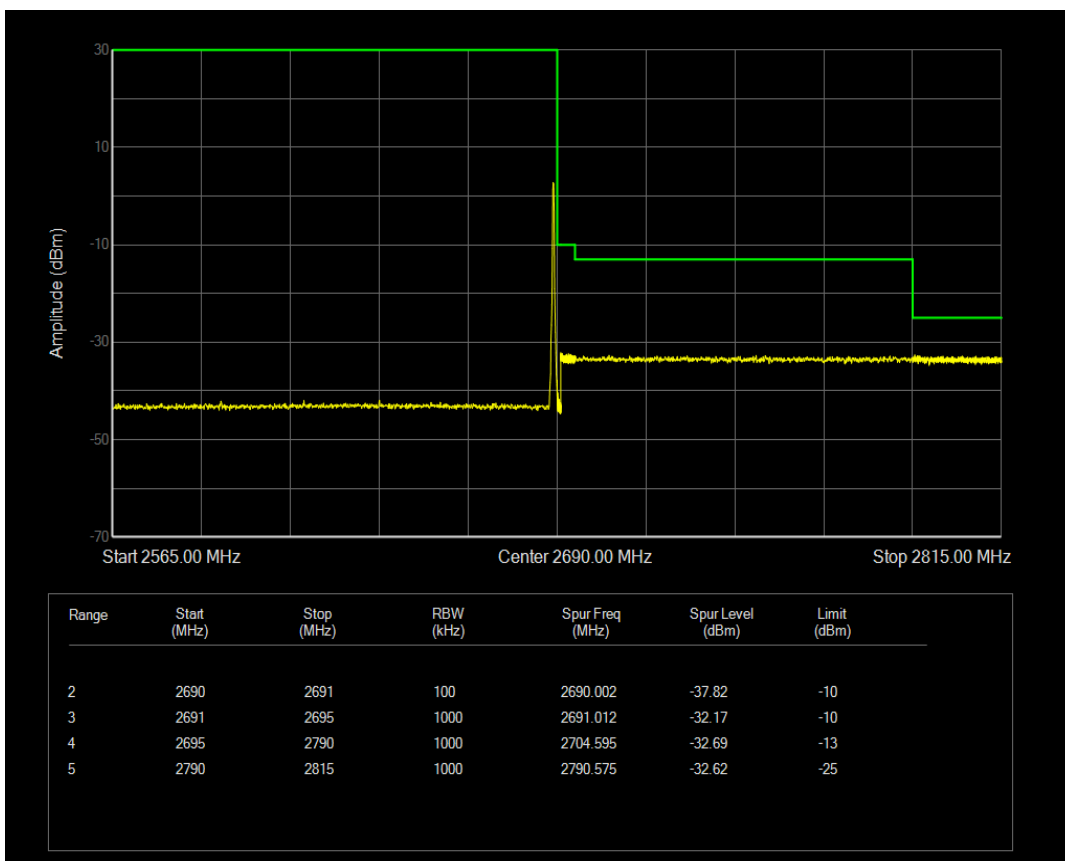
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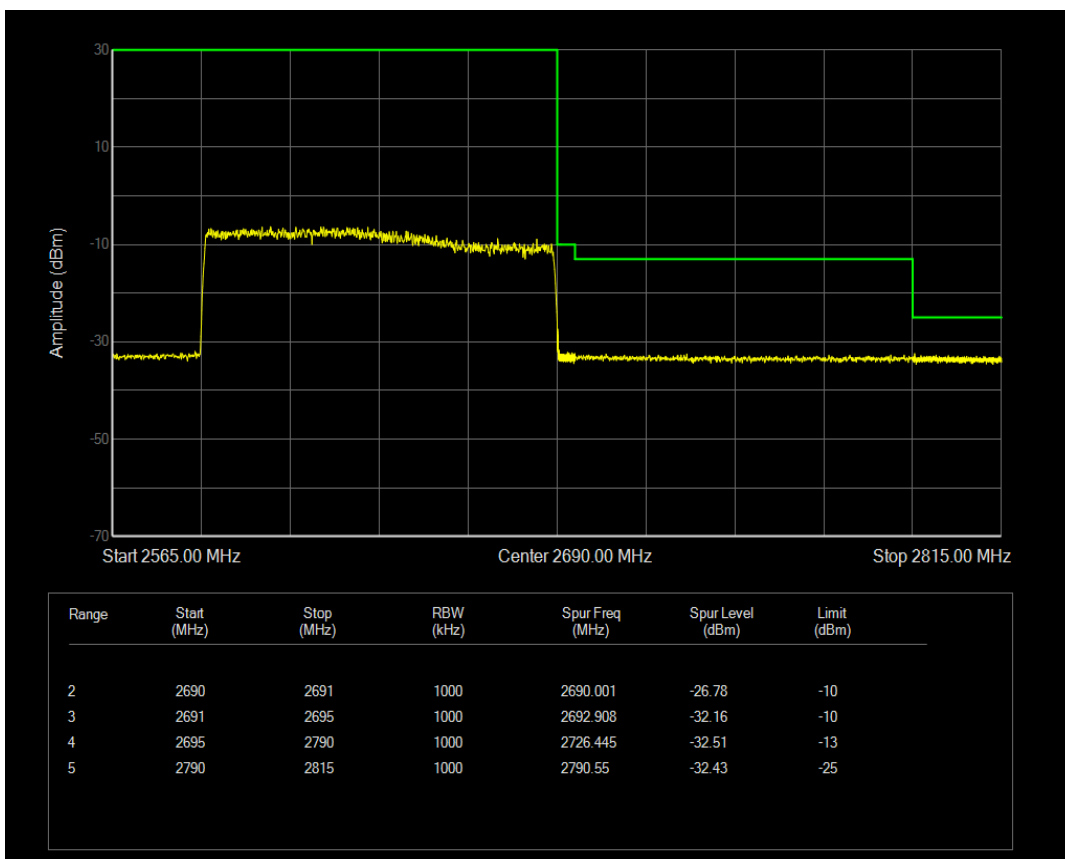
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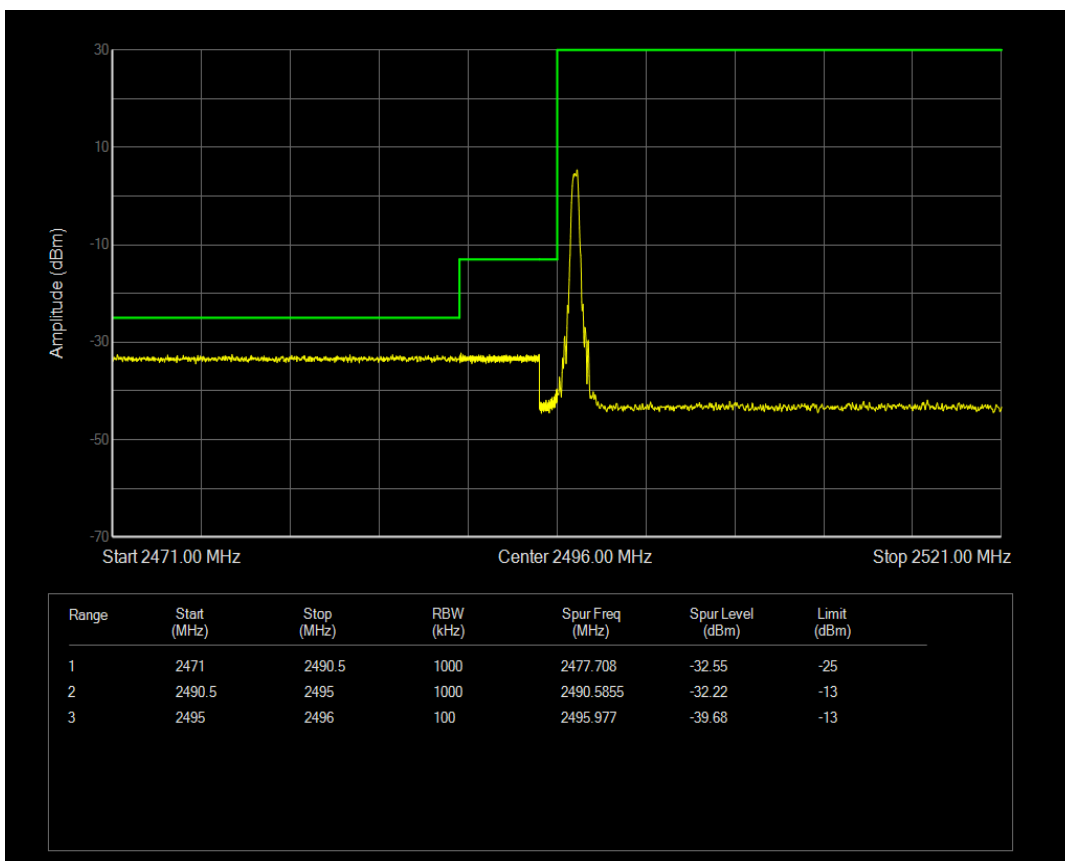
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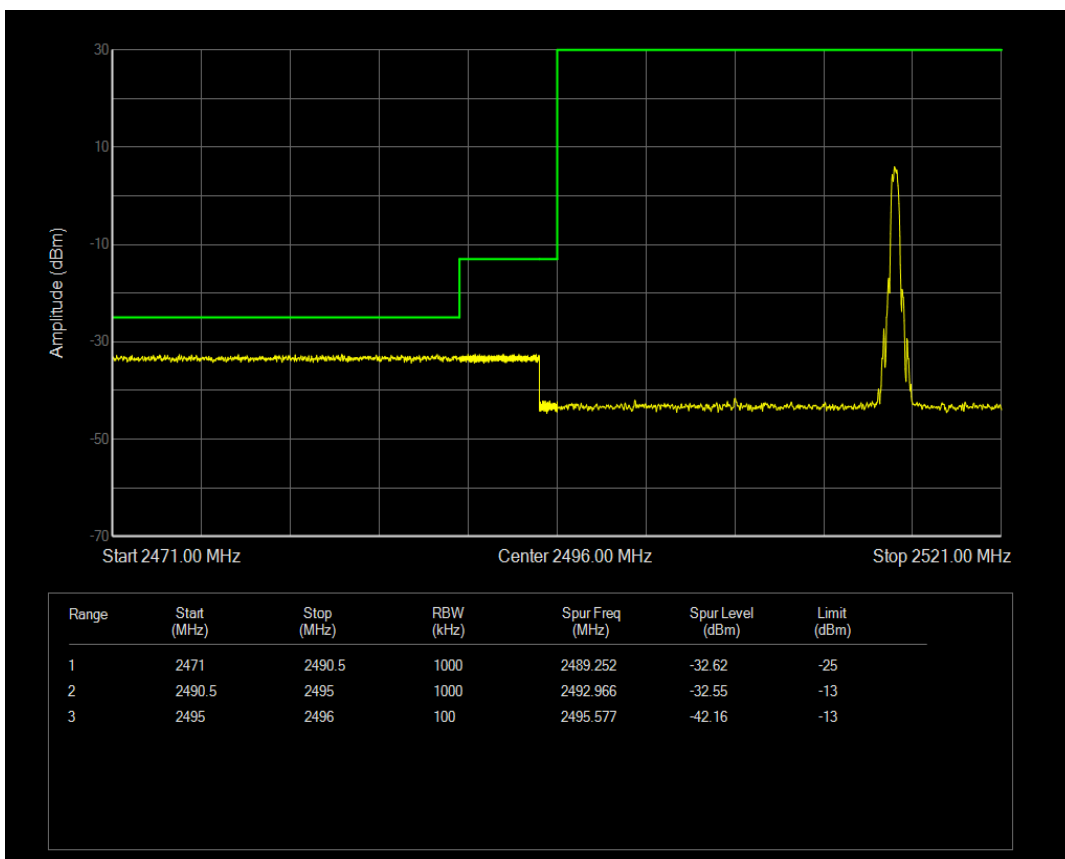
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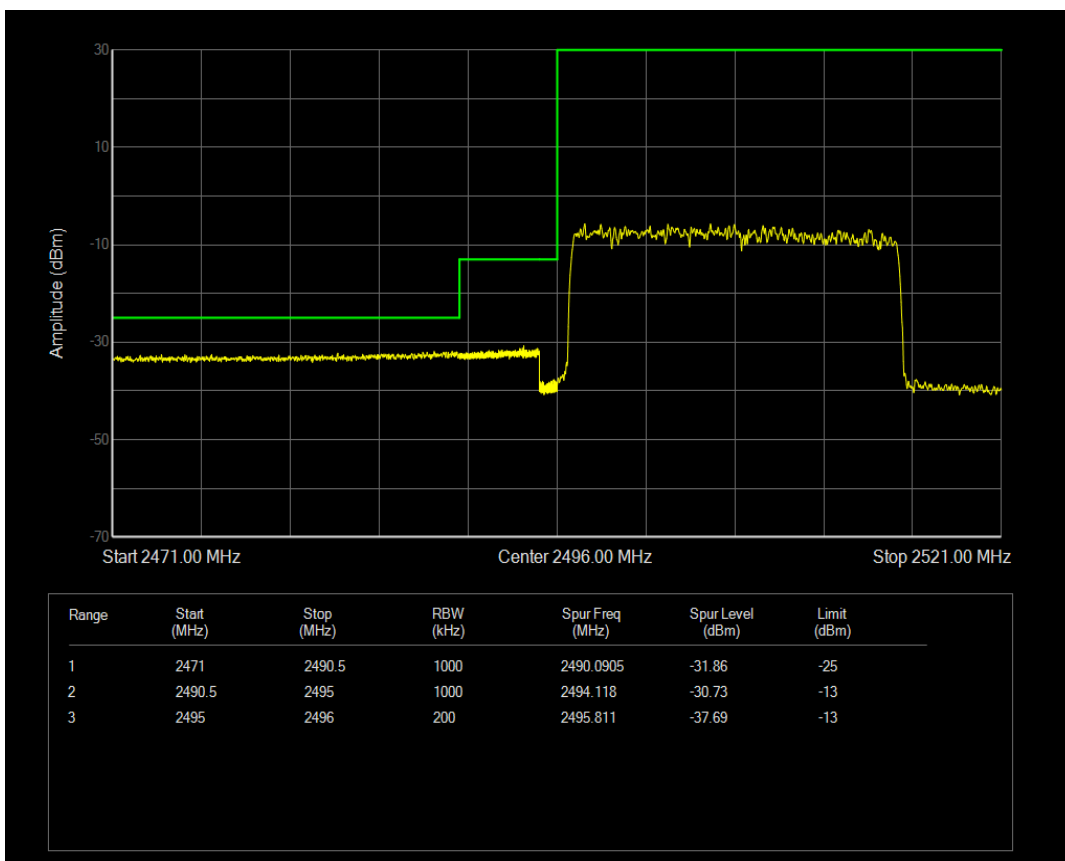
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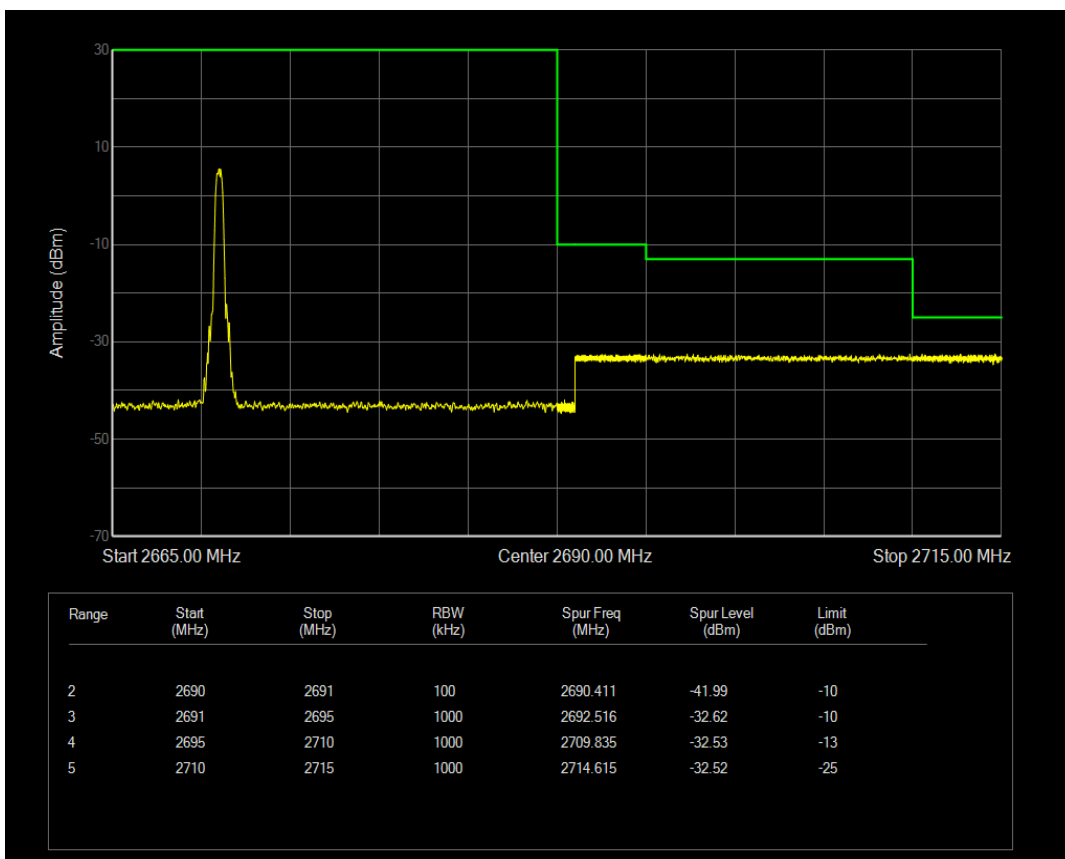
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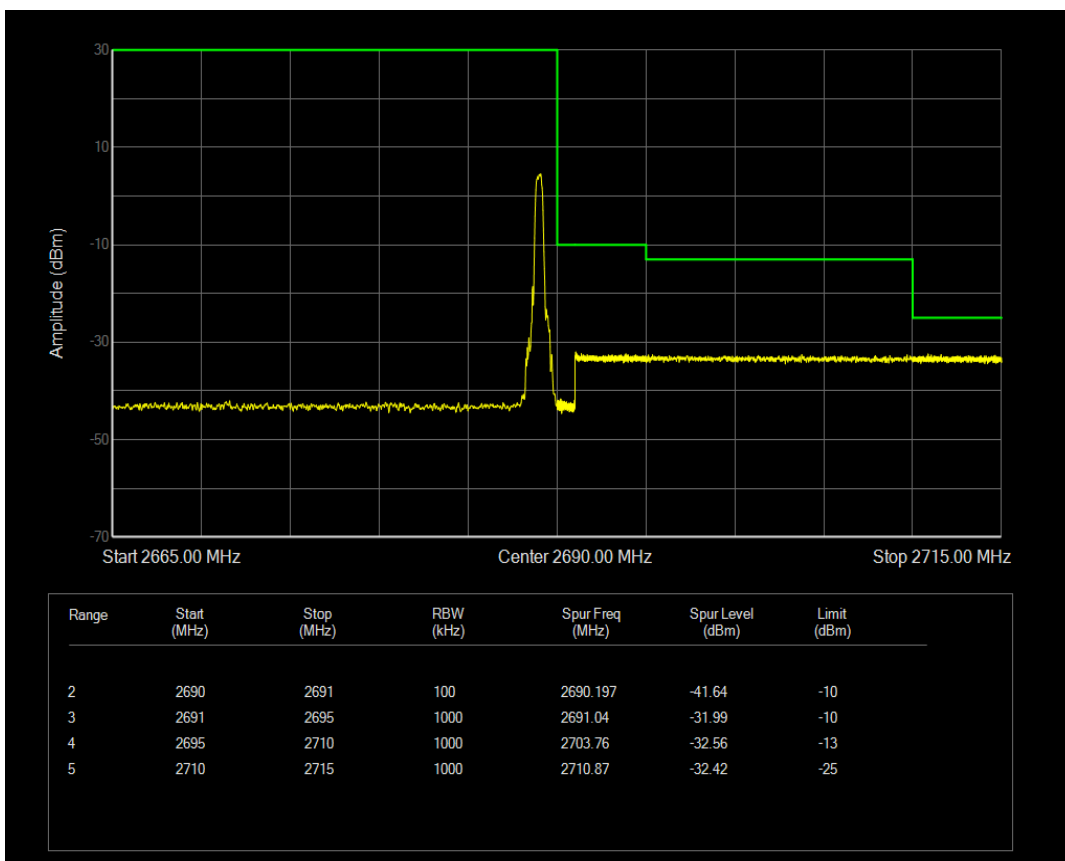
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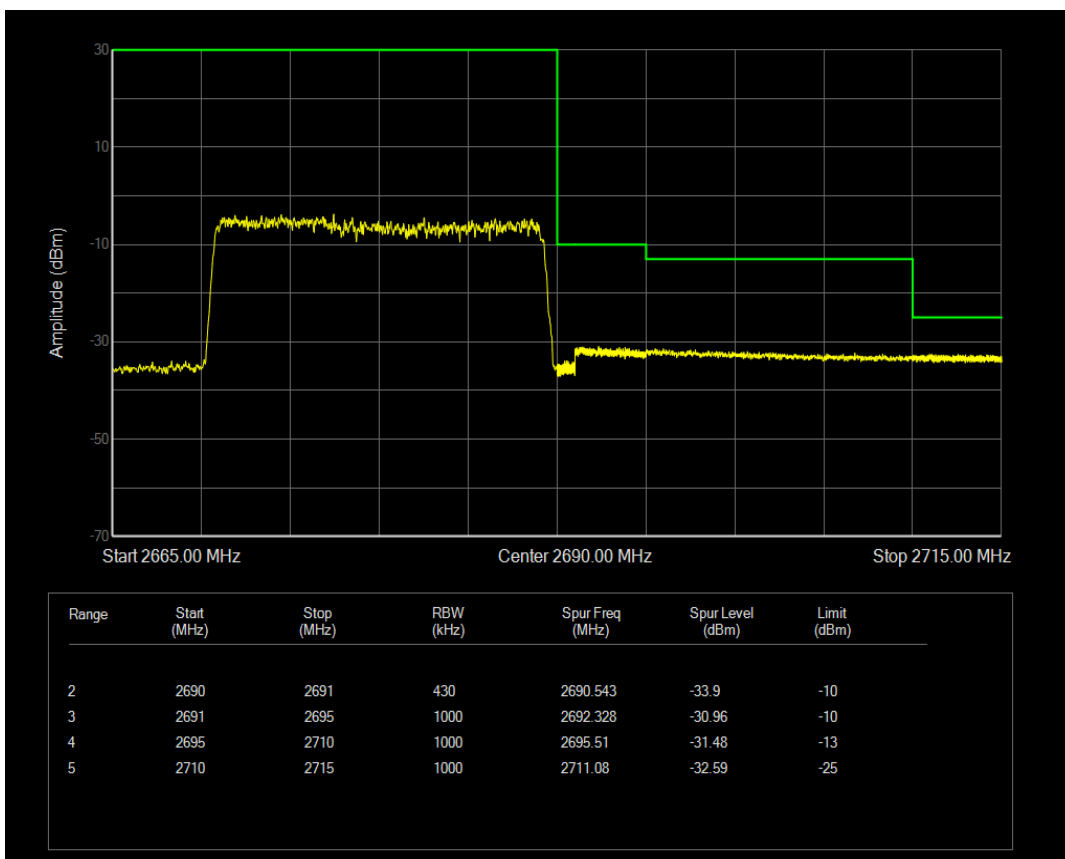
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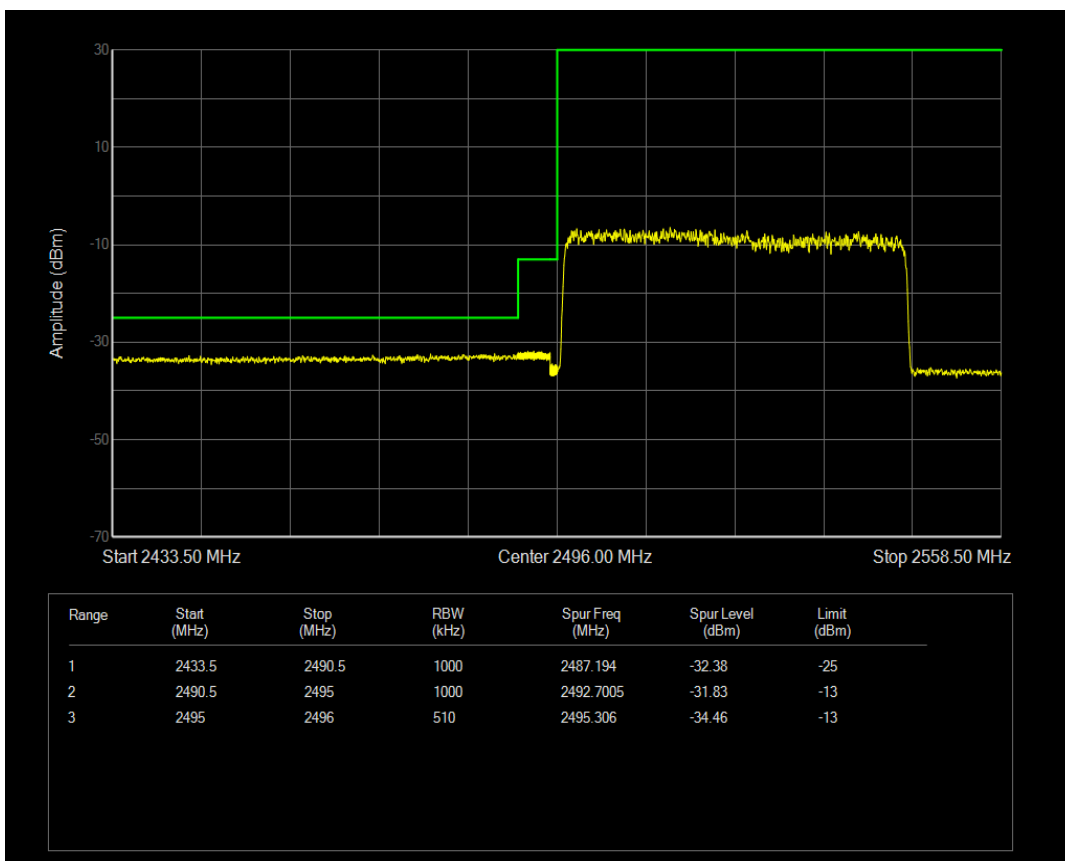
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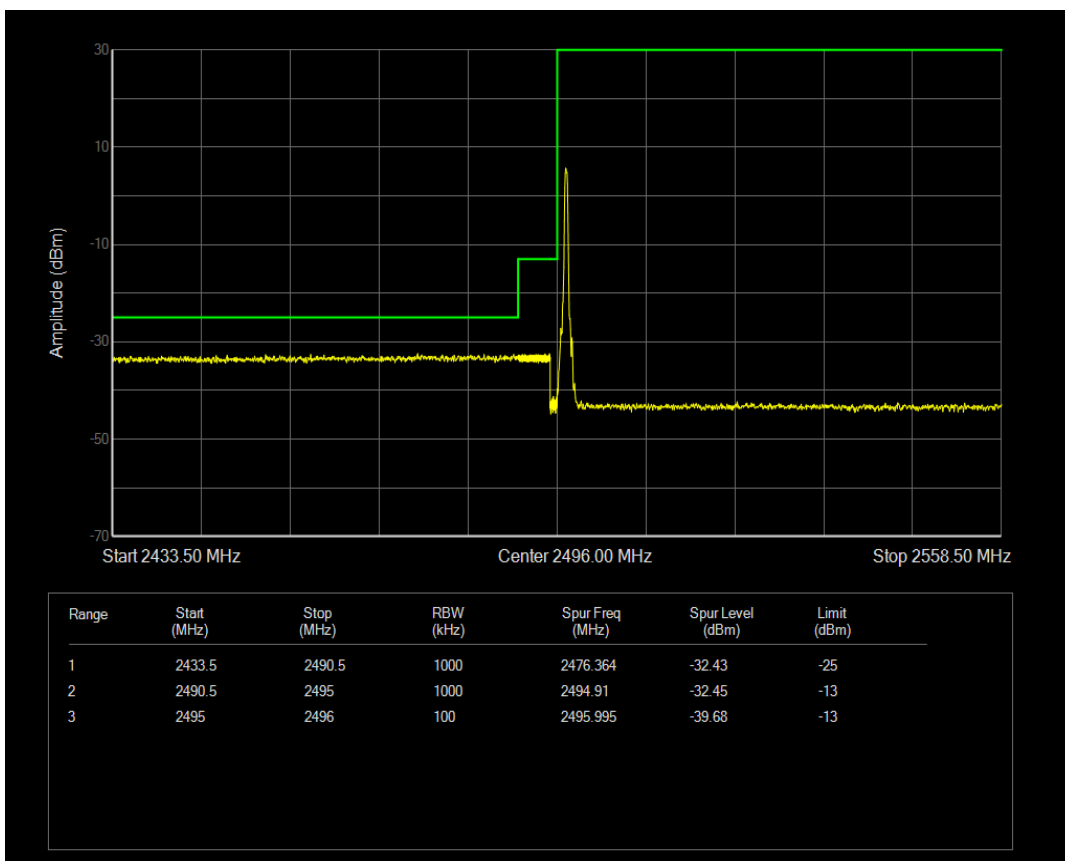
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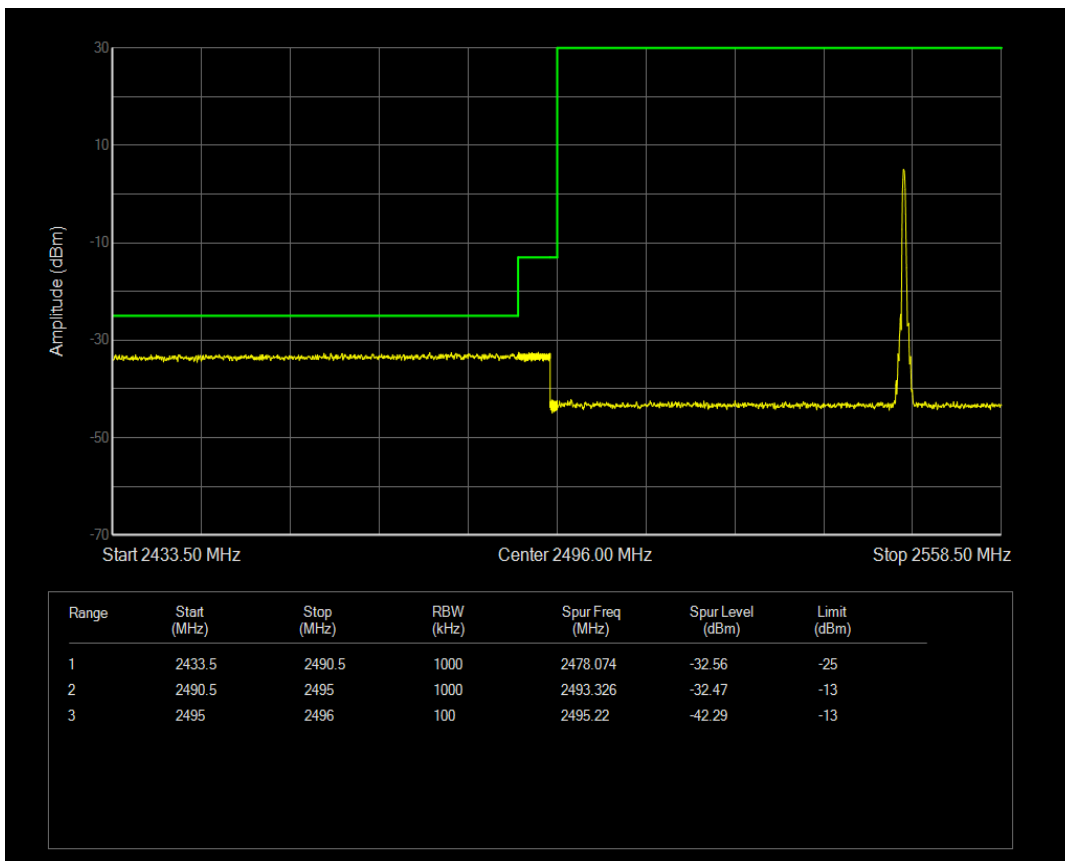
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=504204 RB=133 @0



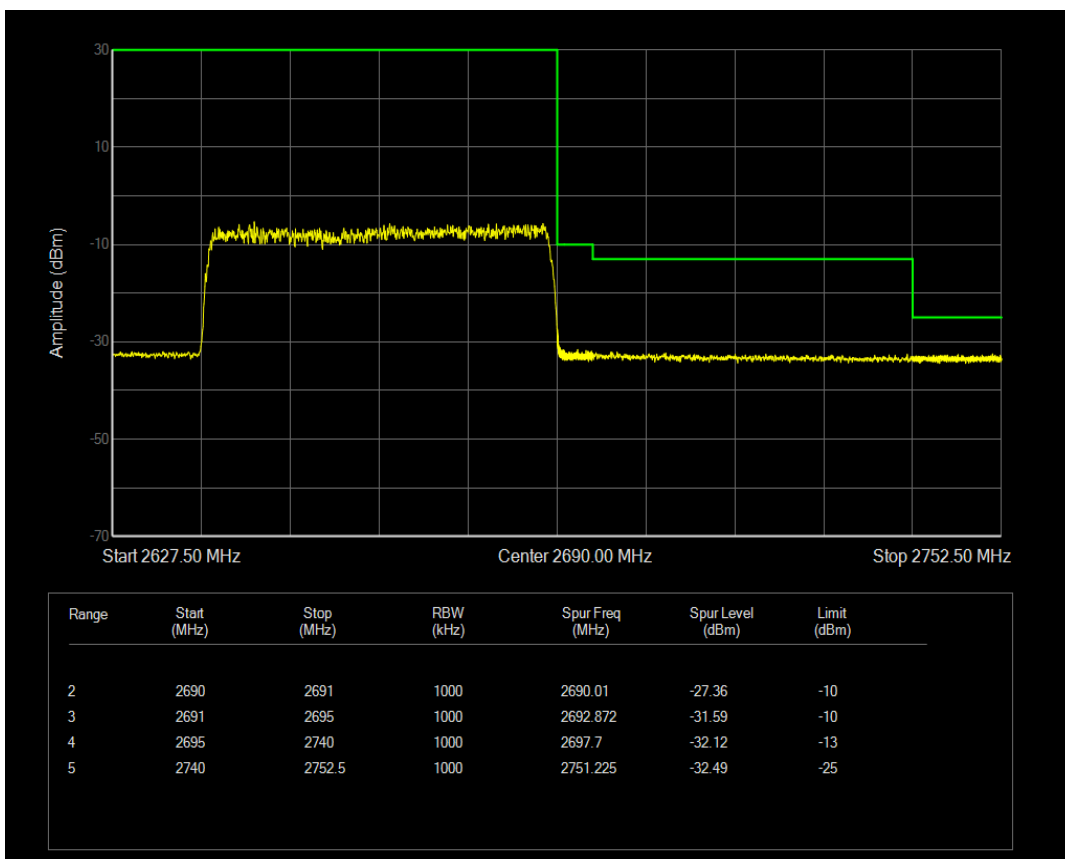
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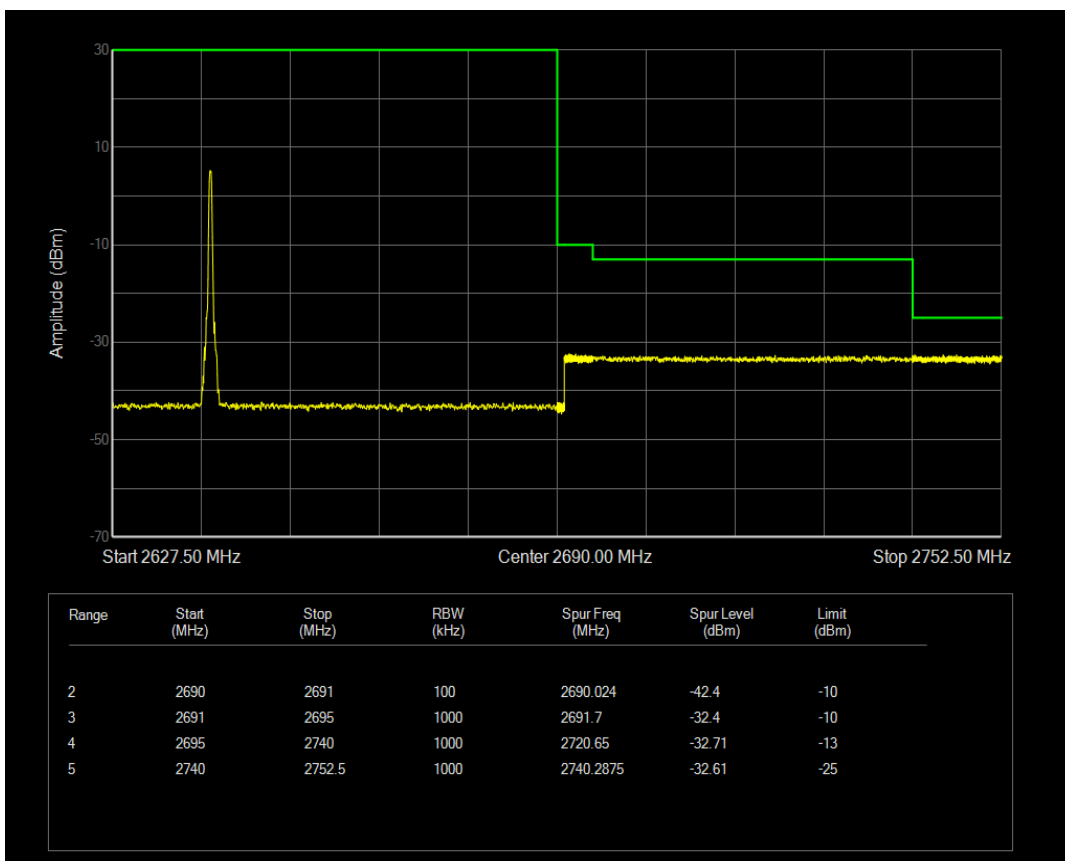
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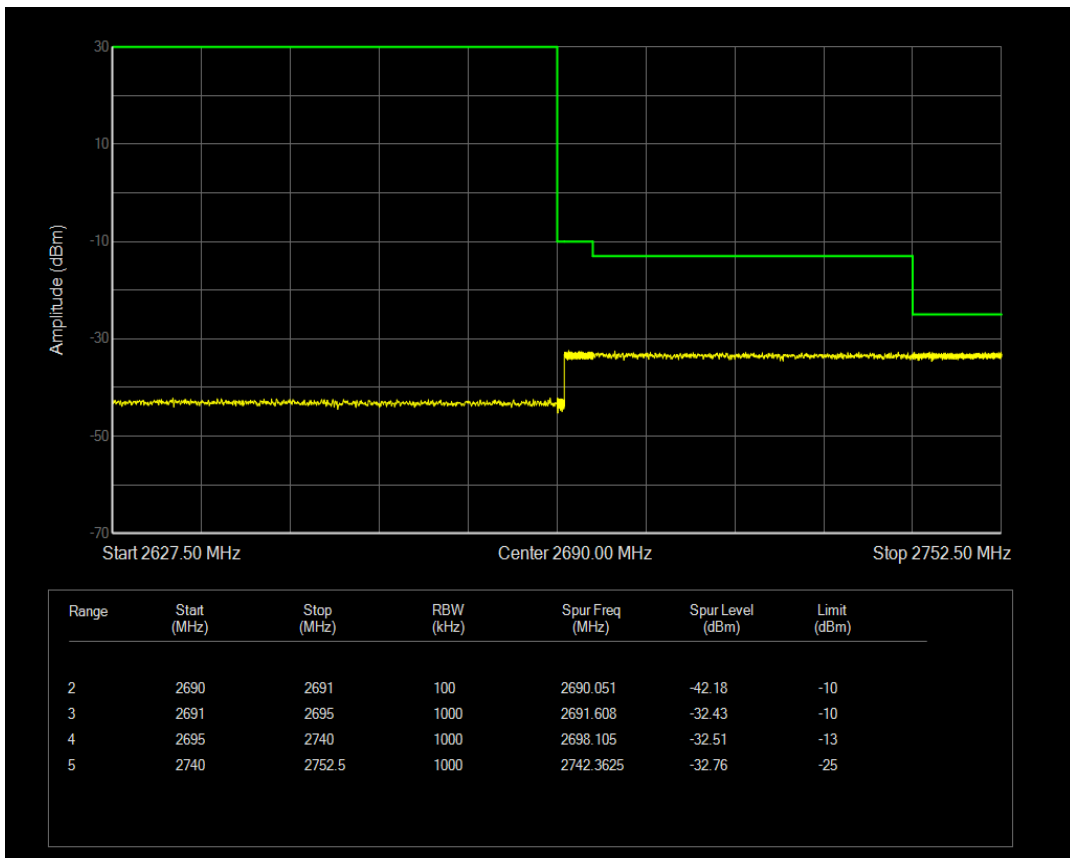
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=133@0



n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@0



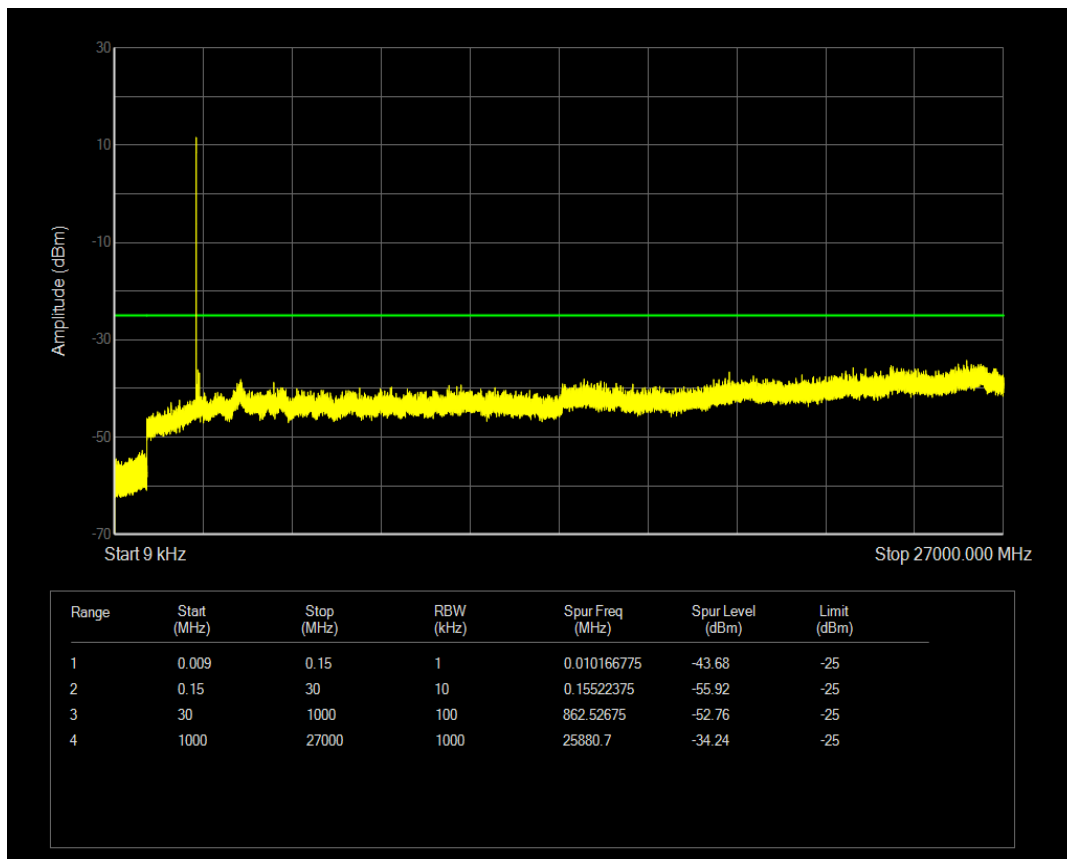
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@132



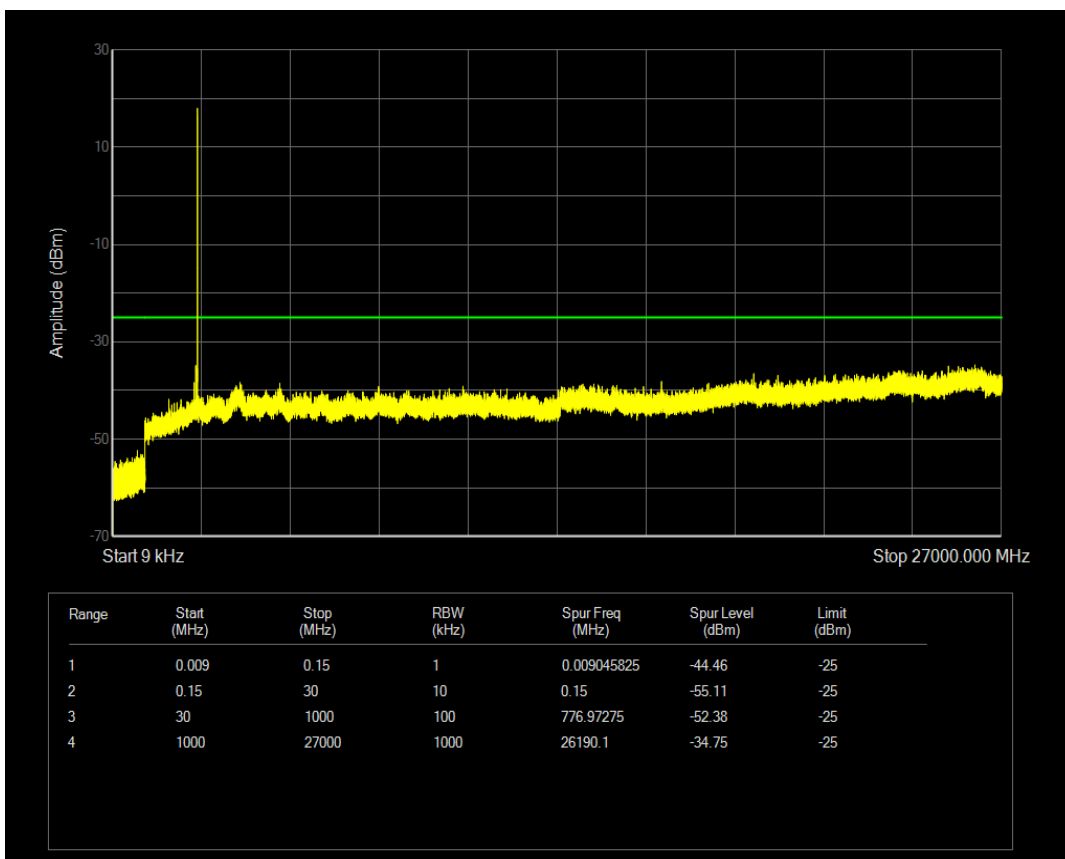
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	20	501204	51@0	CP_QPSK	26383.15	-34.78	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	26398.75	-34.62	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	25982.75	-34.50	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	26315.55	-34.12	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	25908.00	-34.58	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	26045.80	-33.66	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	25801.40	-34.60	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	25732.50	-34.69	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	26385.10	-33.95	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	26489.75	-34.29	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	25904.10	-34.65	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	26370.80	-34.30	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	26363.00	-34.99	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	25880.70	-34.24	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	26190.10	-34.75	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	23964.50	-34.46	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	23546.55	-33.89	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	26288.90	-34.53	-25	PASS

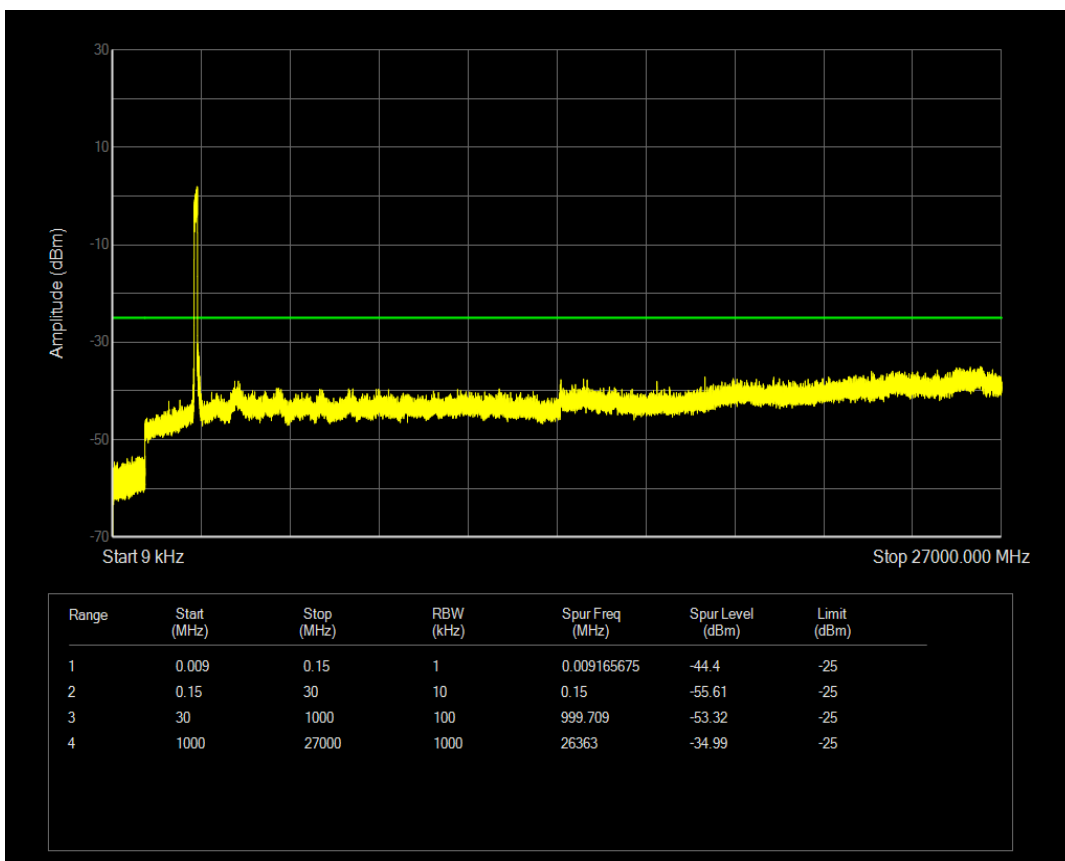
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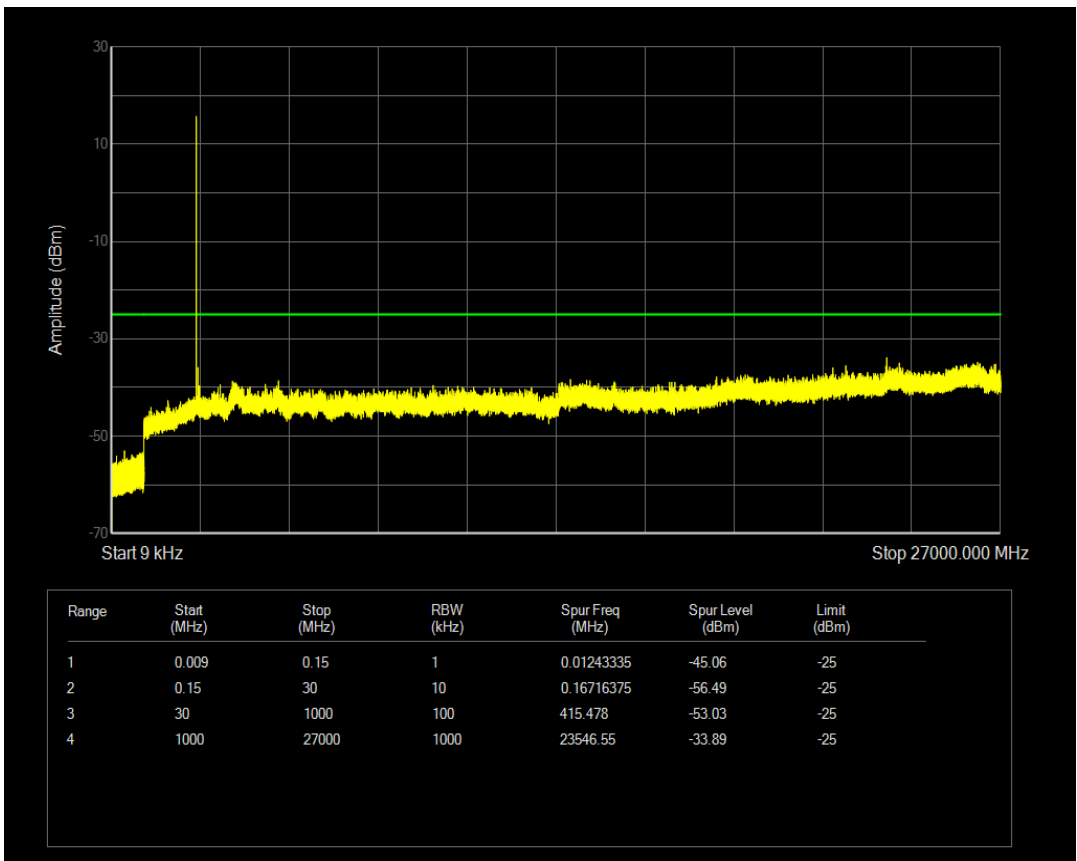
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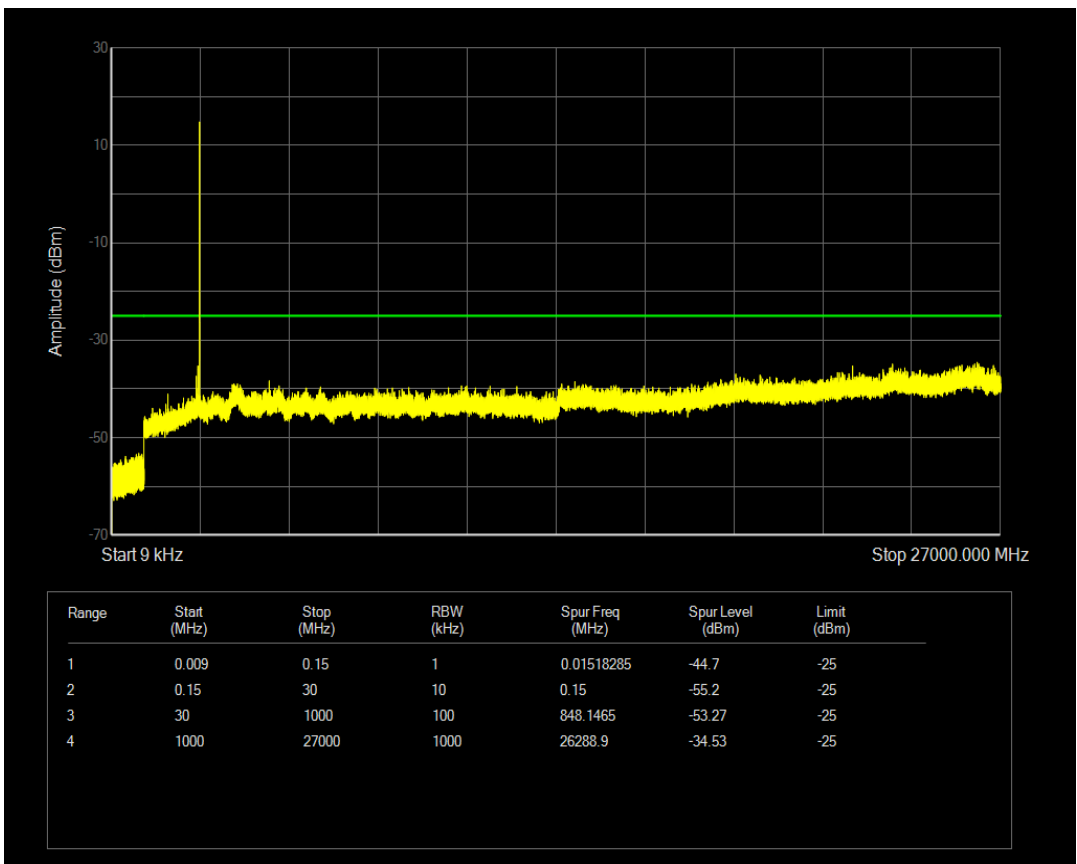
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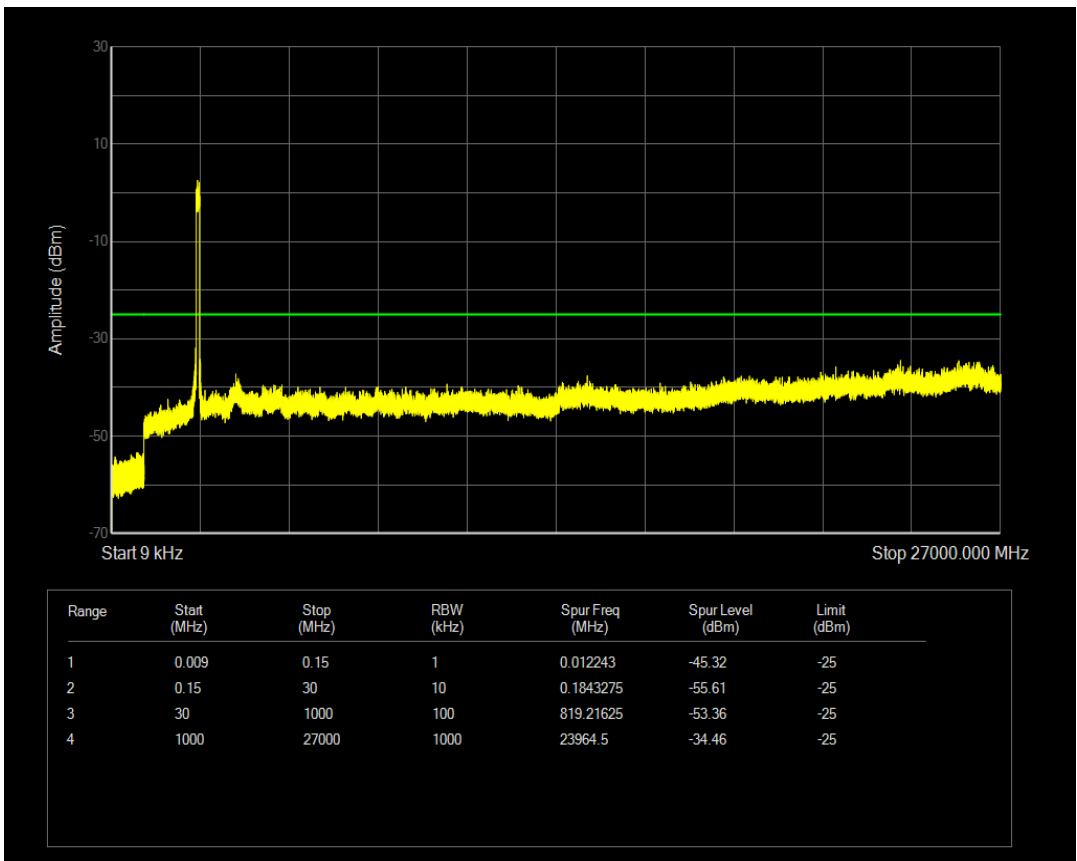
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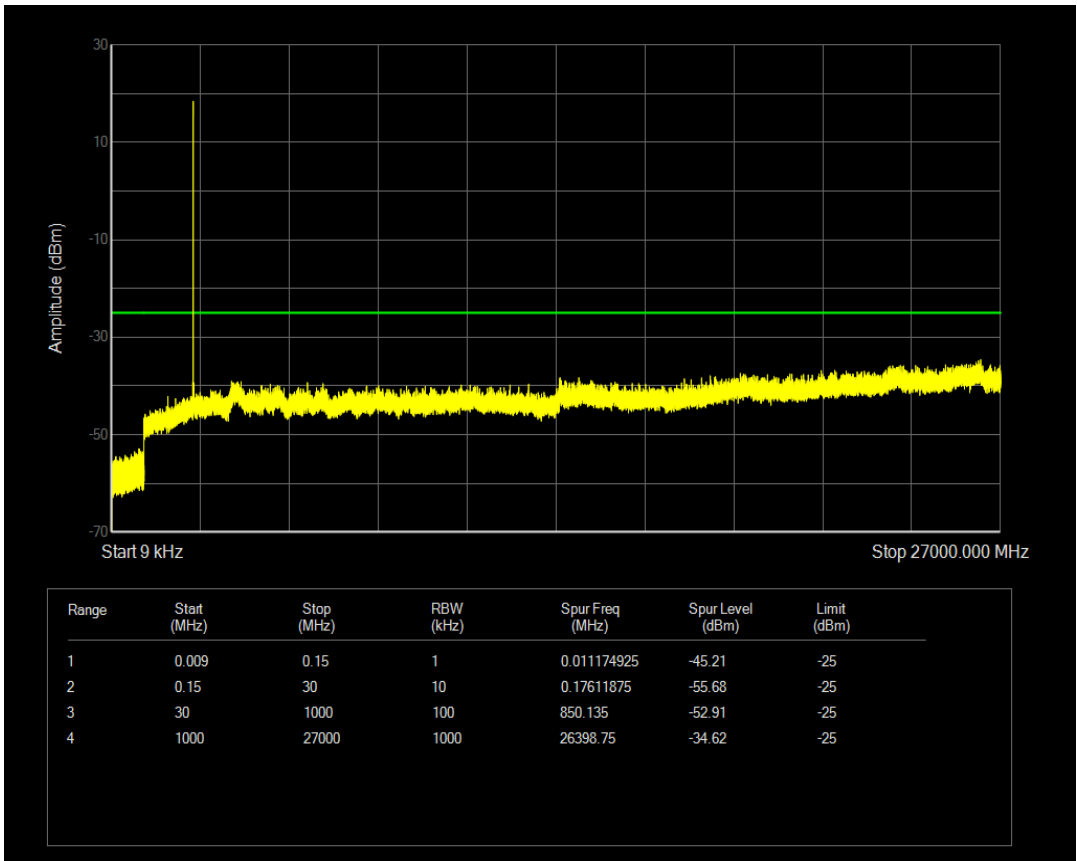
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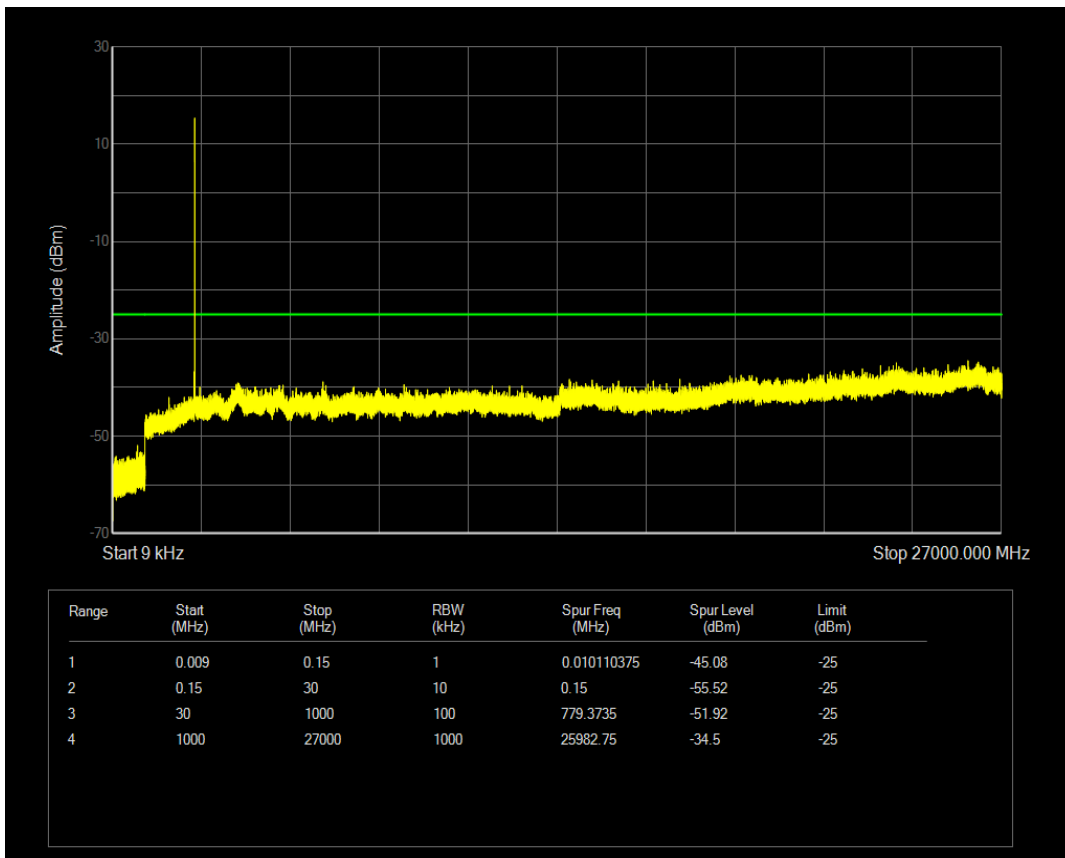
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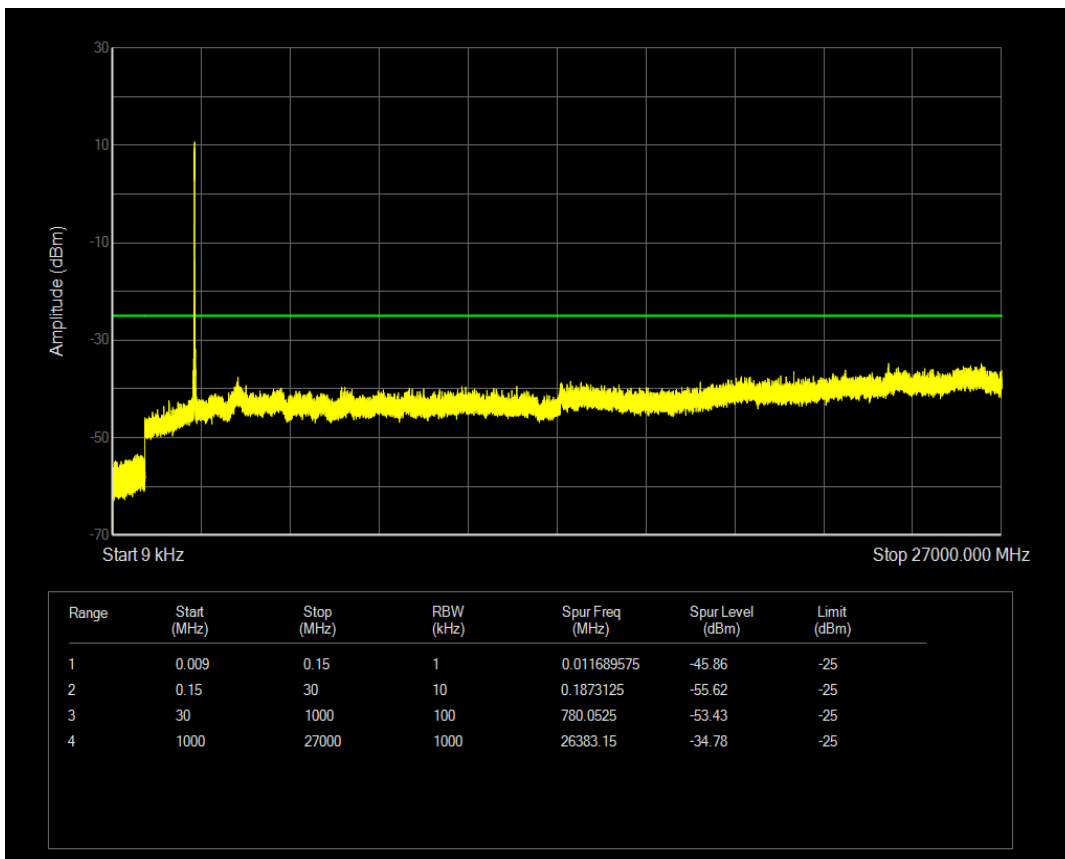
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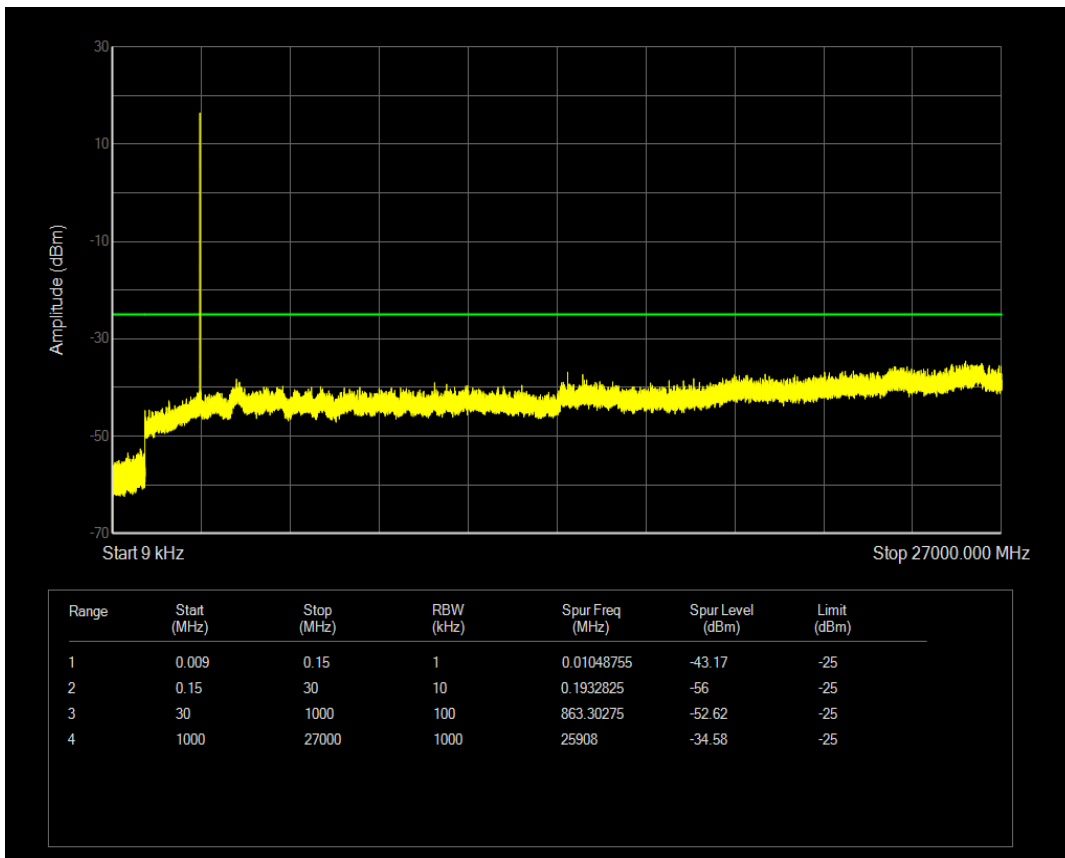
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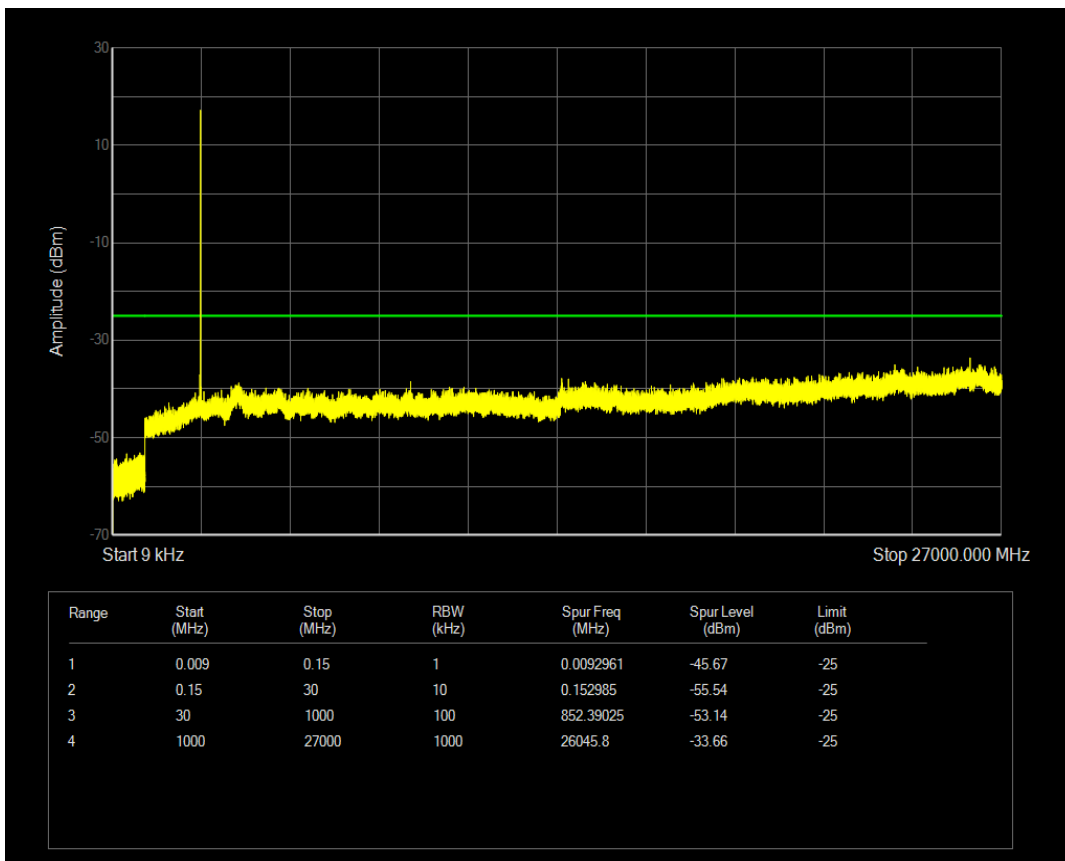
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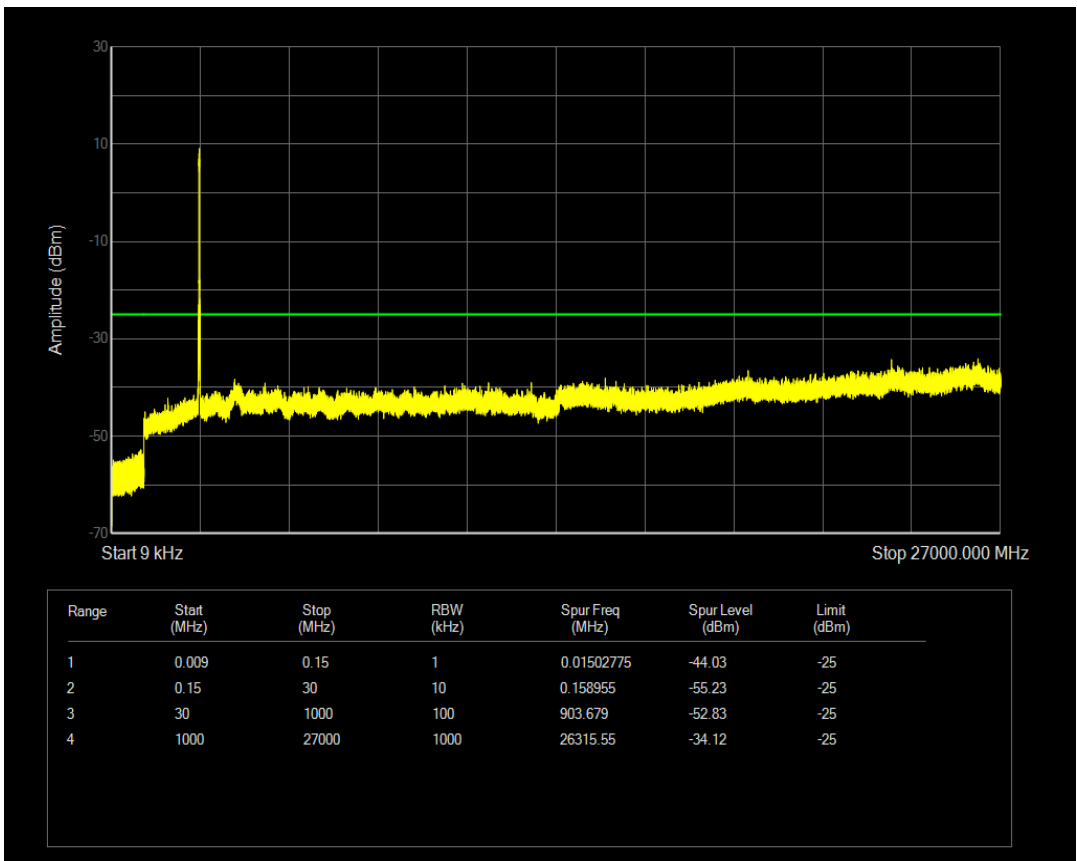
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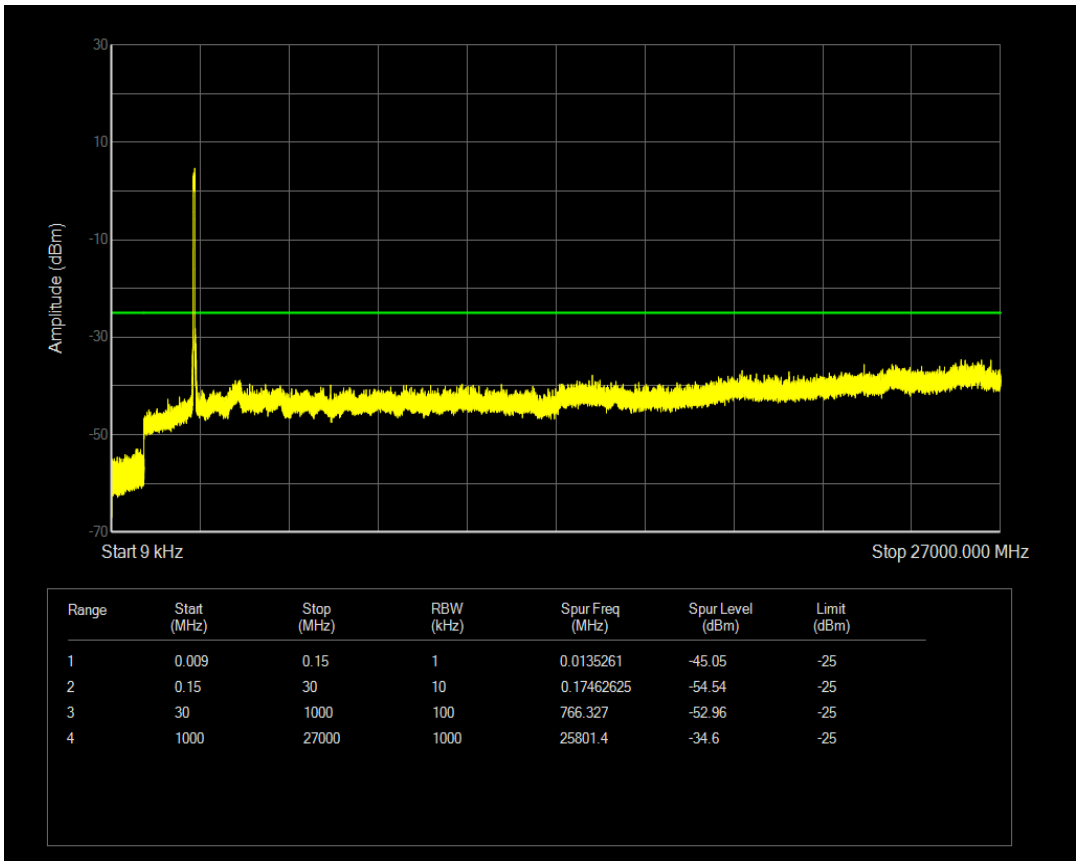
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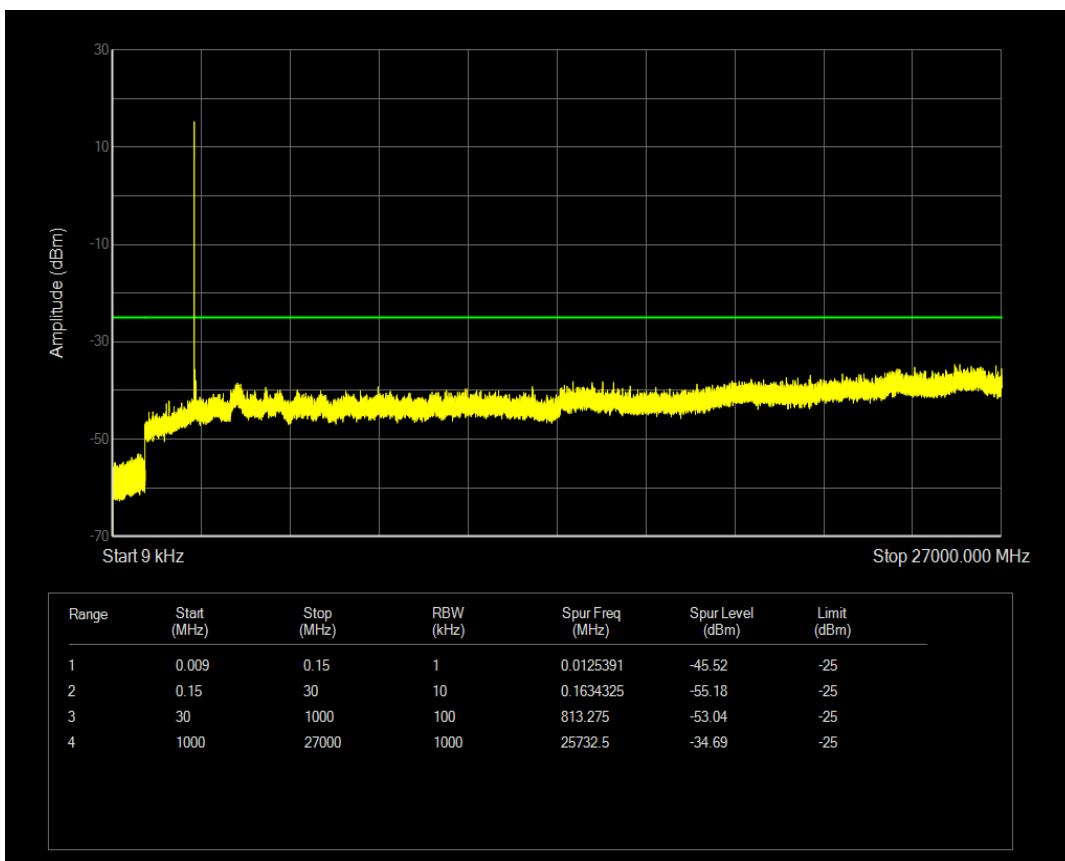
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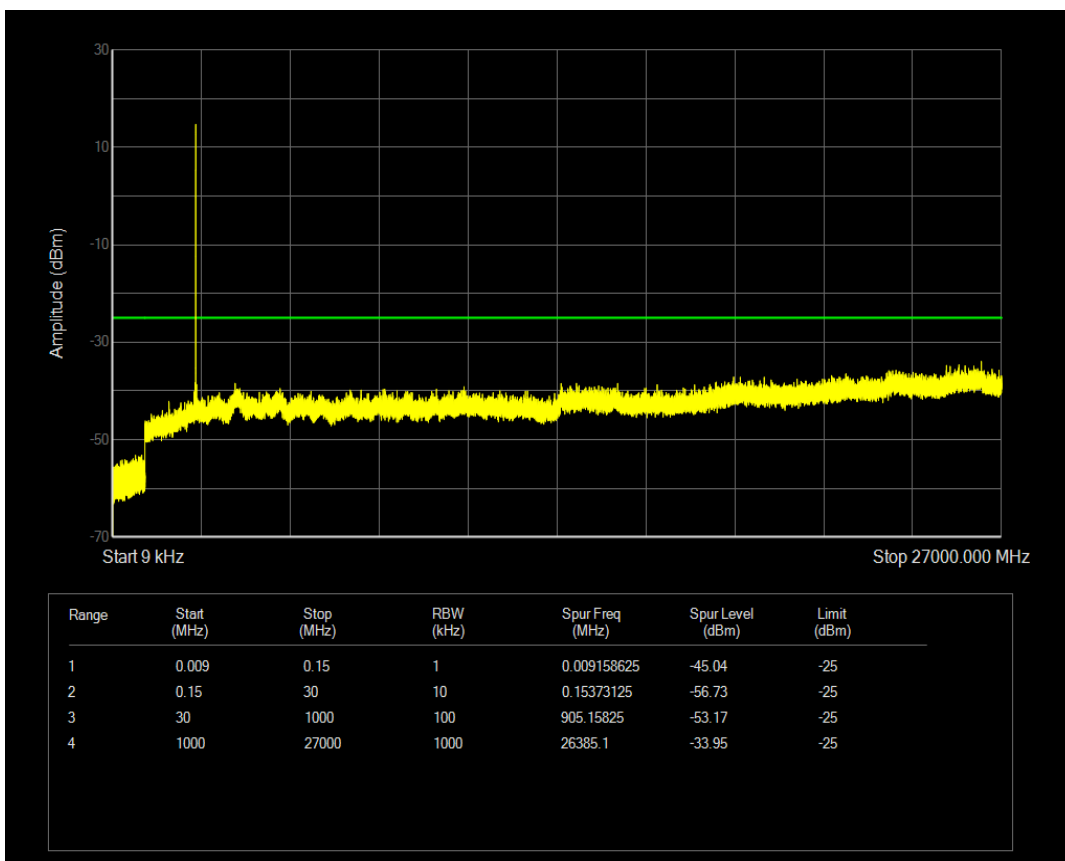
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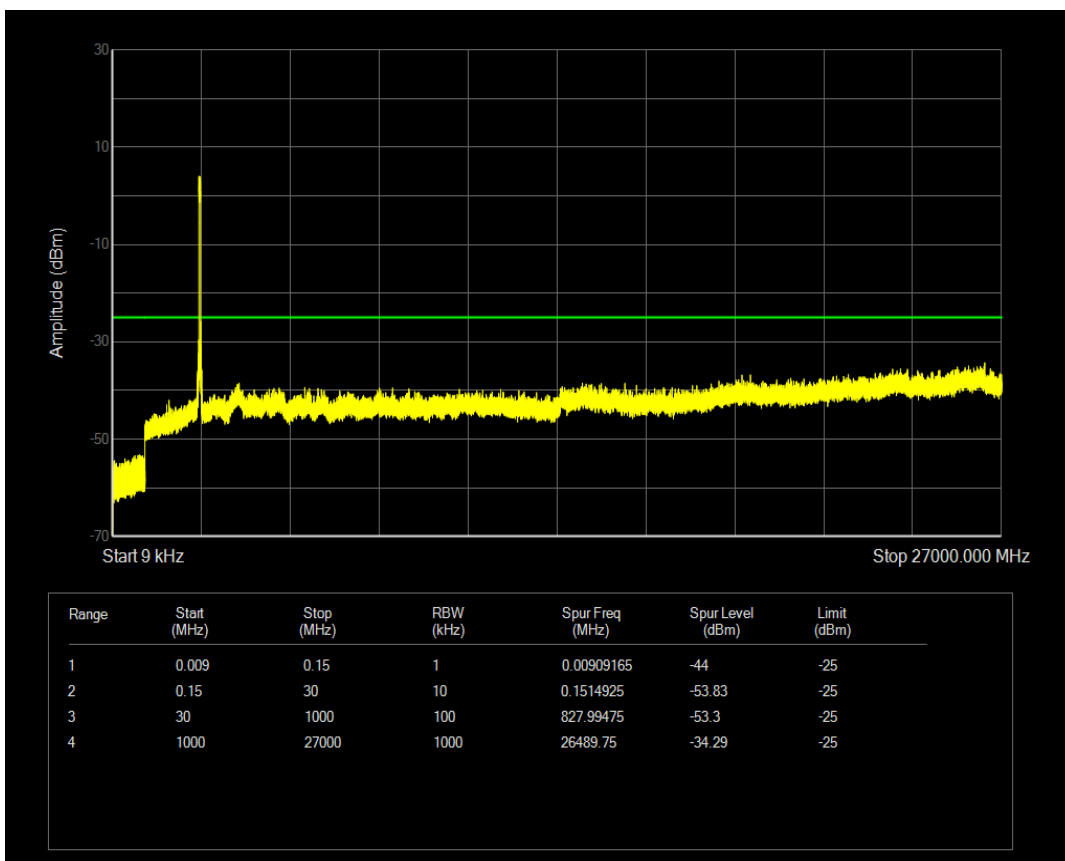
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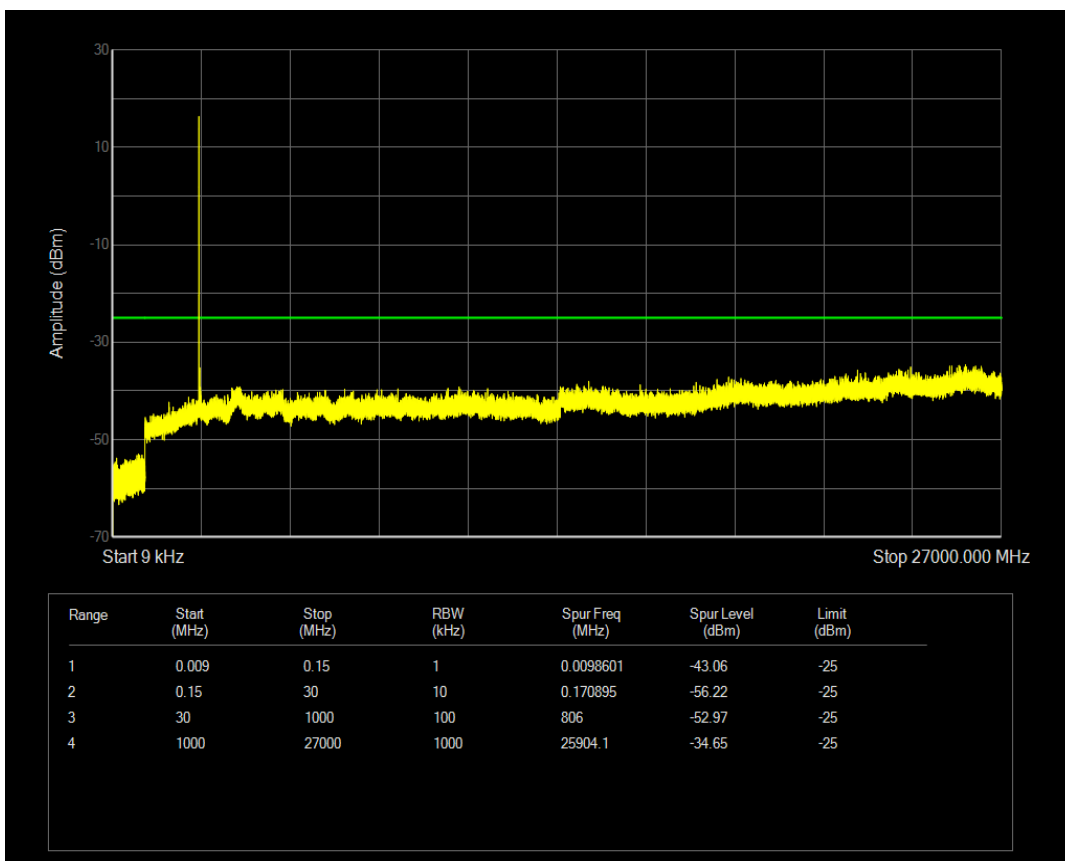
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n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=133@0



n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@0



n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@132

