# What's New in VEO Version 3.2.5 R1

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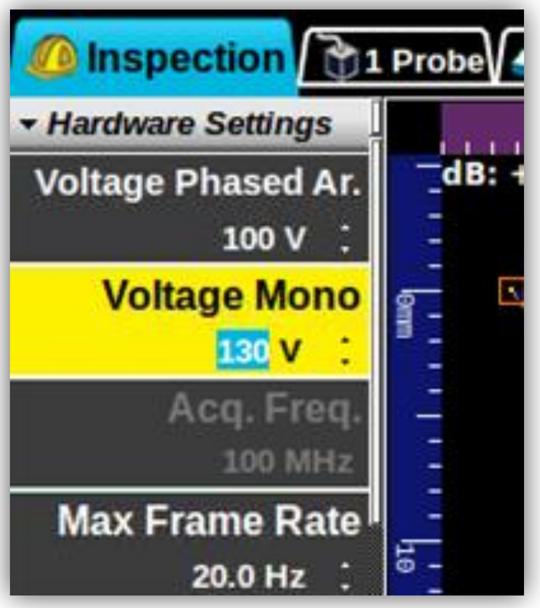
# Unique to 16:128 features

- 130 Volts Pulser
- 5 & 6 Concurrent Scans Capability

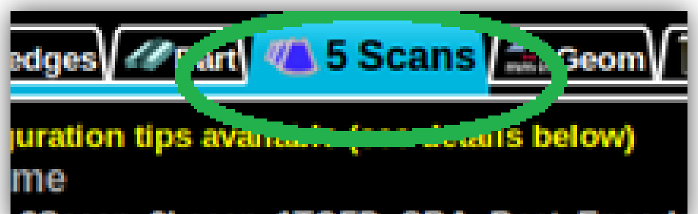
# 130 Volts Pulser

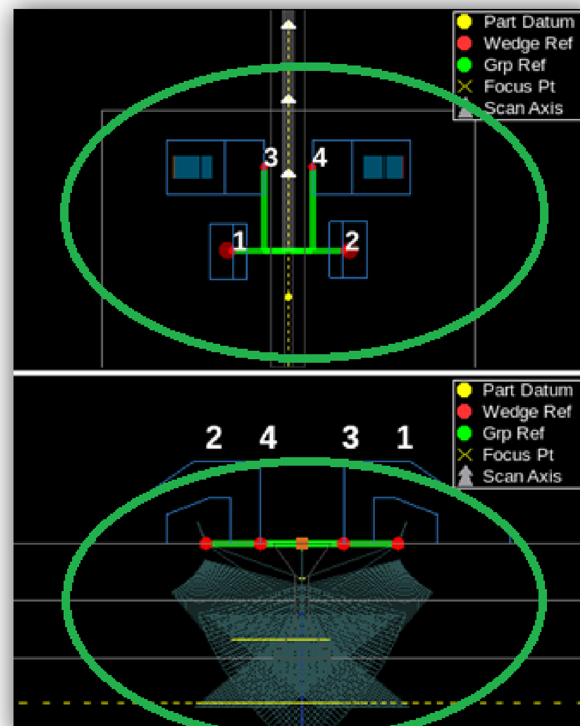
- *Improved penetration on:*
  - *thick part*
  - *high attenuation material*



# 5 & 6 Scans Setup

- *Extend Multi-Scan and Multi-Probe capability*
- *Improve recording process with a single pass including multiple scans*



# 5 & 6 Scans layouts (4)

# New Features Available on 16:64 and 16:128

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# Sensitivity/ACG by section

- *Isolate reflector from reflection created by normal part geometry*

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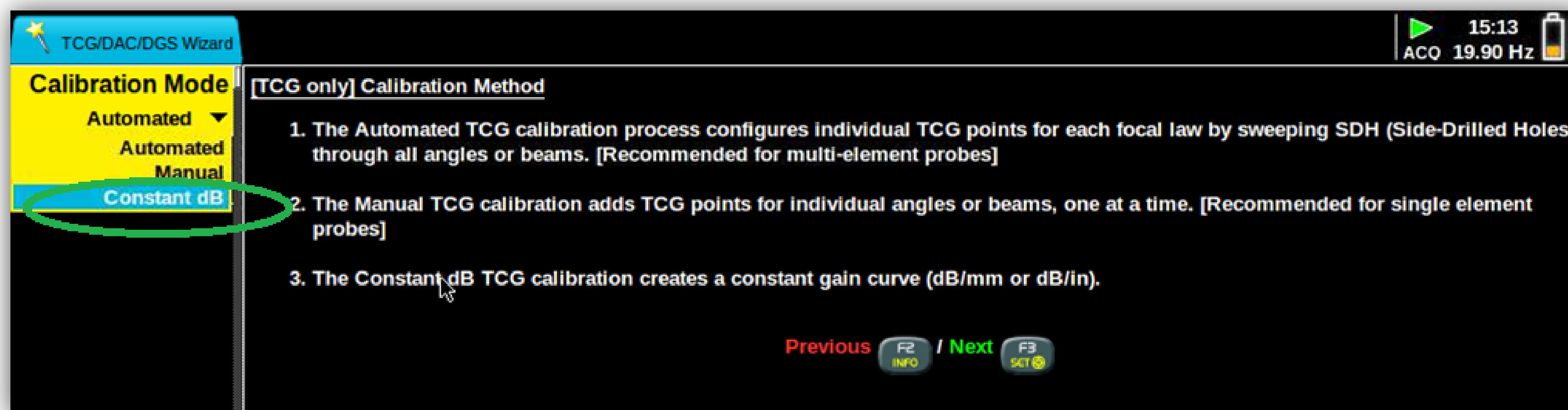
# TCG enhancement

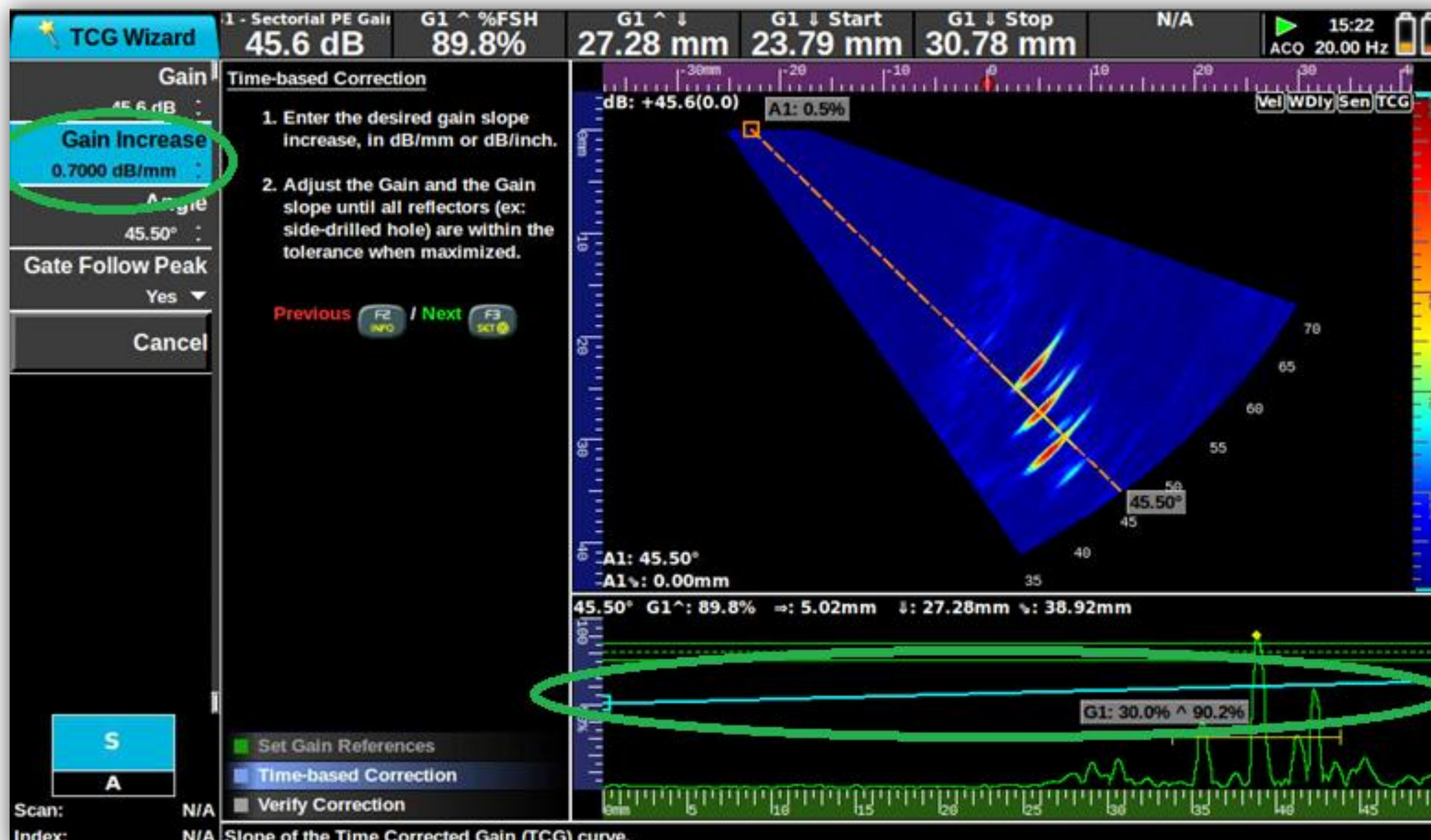
- Create a TCG curve with a ά Ŏ ƨ ƴ ă ű generation mode (Theoretical dB/mm or dB/inch)
- Edit ű K Ŝ ¢ / D ŎdzNJǾ Ŝ Ǝ Ŝ ƴ ŜNJ ŀ ű Ŝ Ř ō è ű K Ŝ ά Ŏ ƨ ƴ ă
- Allow TCG on RF signal
- Convert the TCG to DAC to TCG

# Create a TCG curve with 'Constant dB' generation mode

- *When material attenuation is known, this mode can accelerate TCG calibration*
- *Create a good starting point for TCG curve customization*



# Create a TCG curve with

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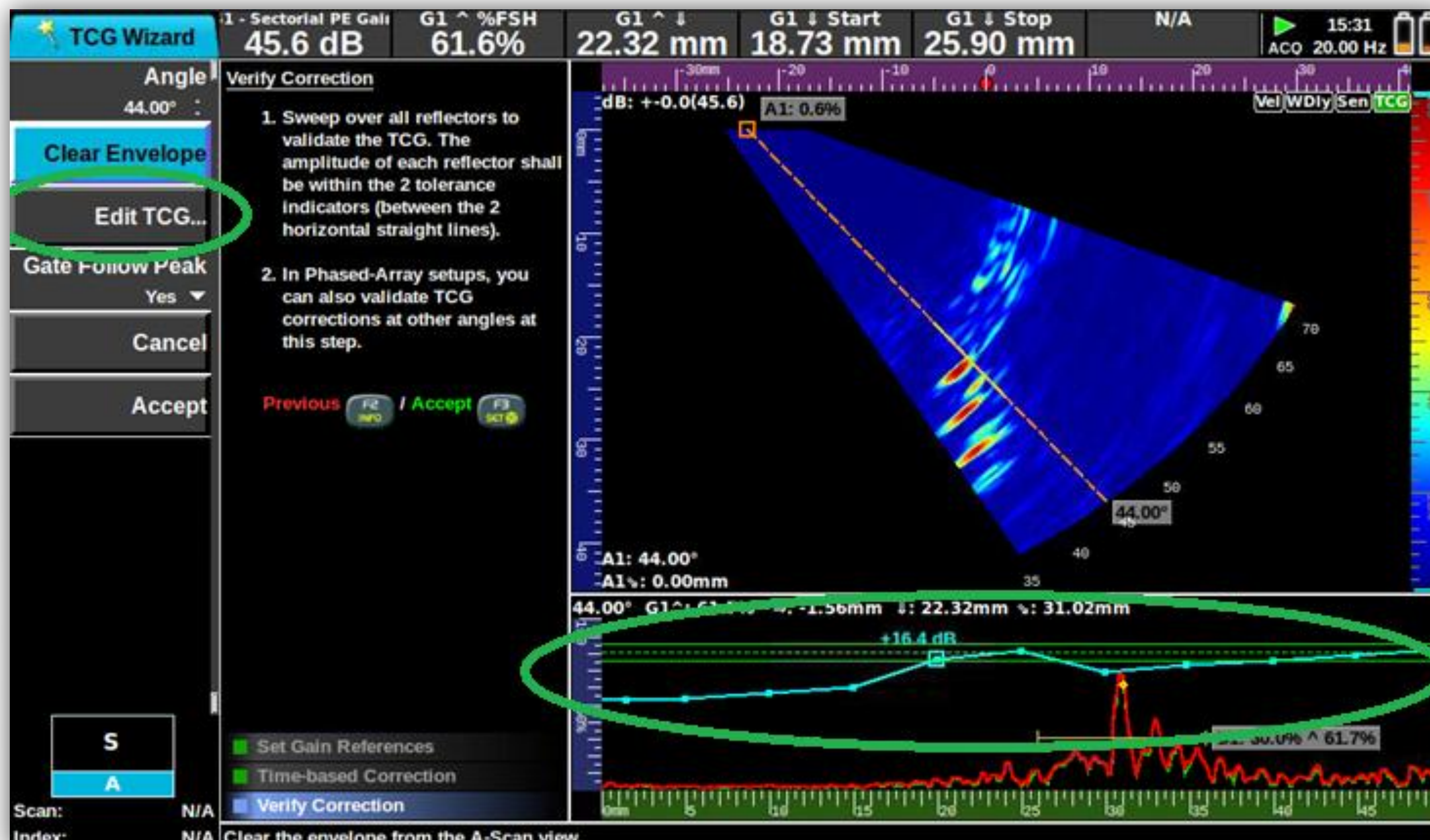
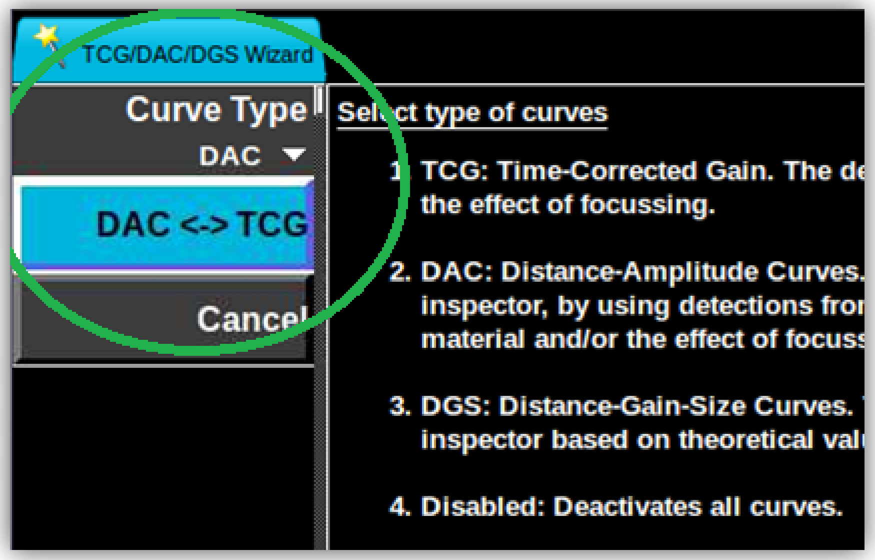
# *Edit the TCG curve generated by the "constant dB" function*

- *Customize the curve to your needs*

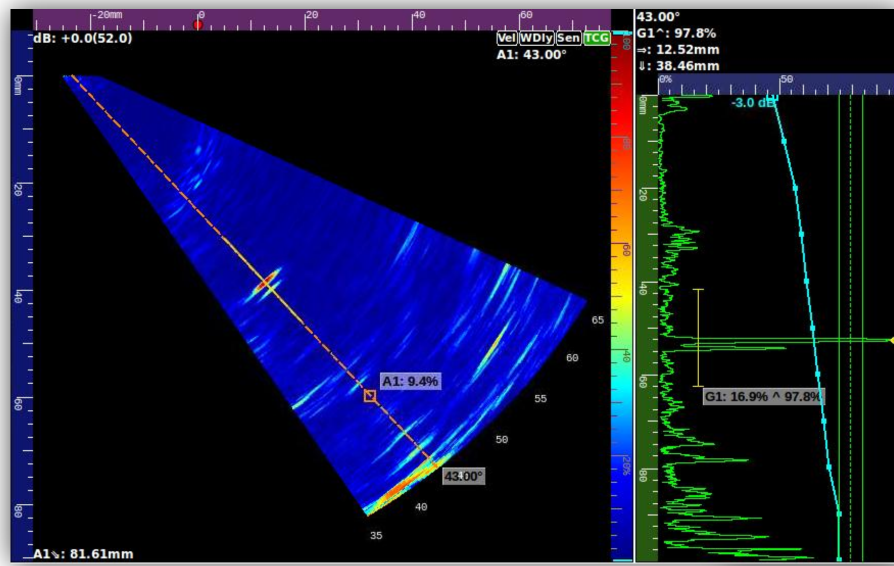


# Convert the TCG to DAC to TCG

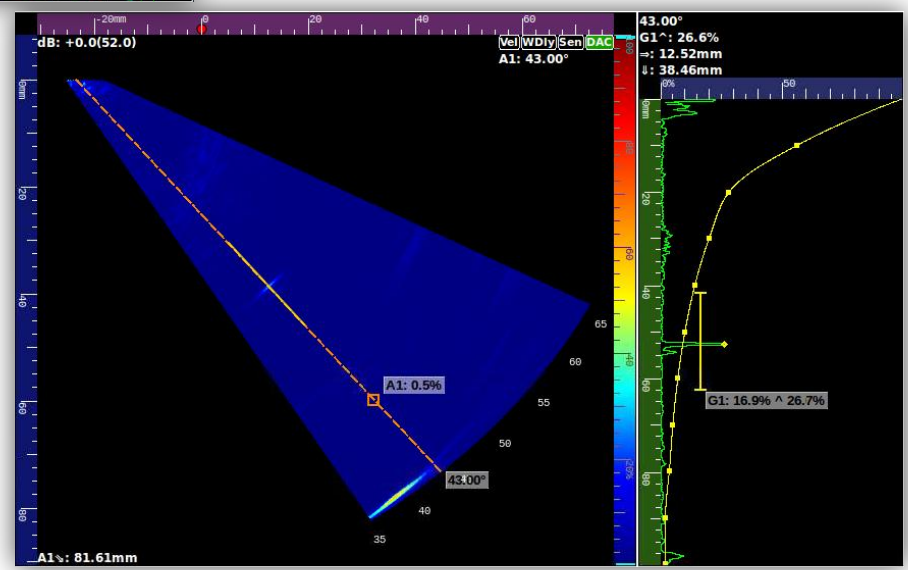
- *Switch between DAC and TCG mode*
- *Detect with the TCG mode, measure with the DAC mode*



# Convert the TCG to DAC to TCG



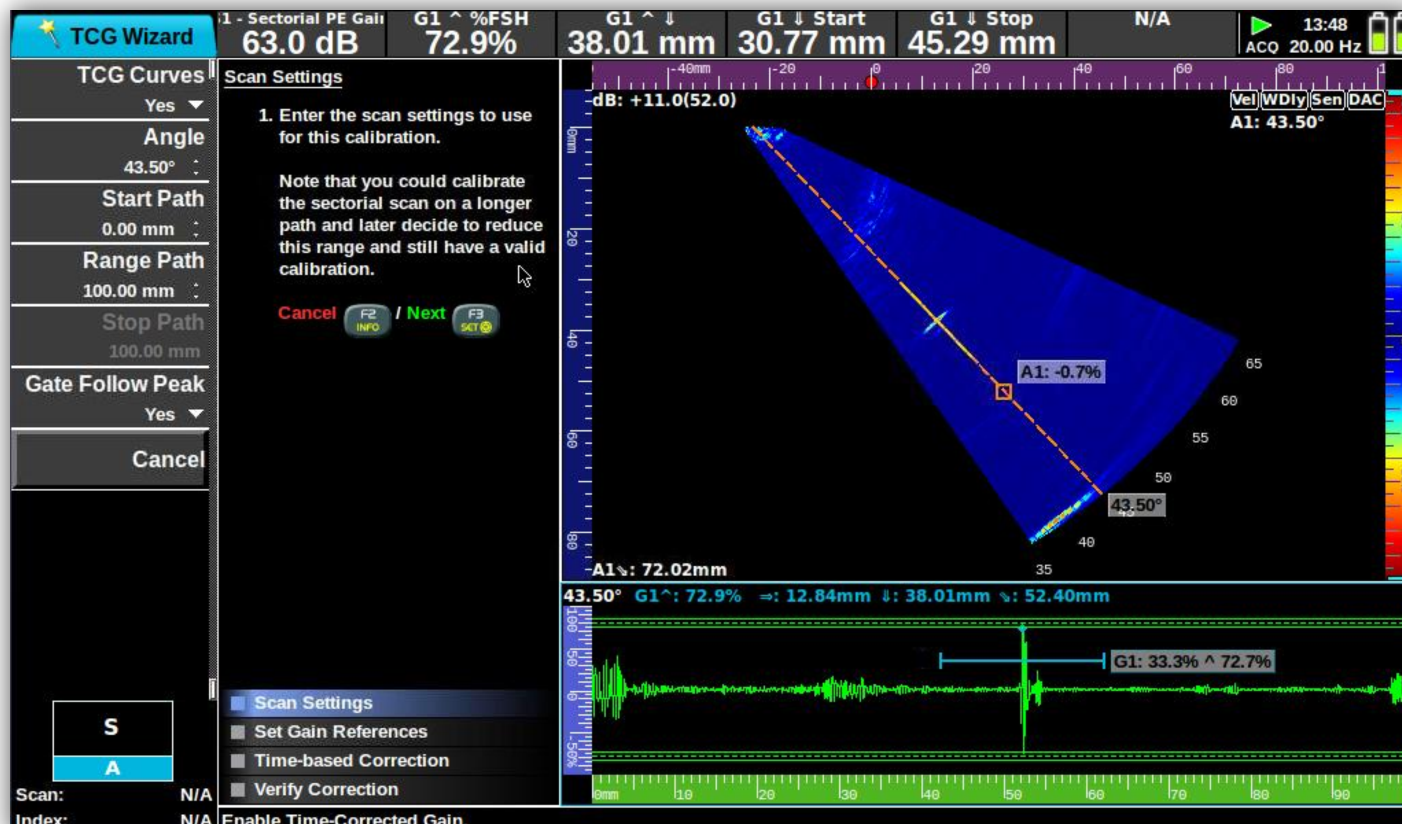

TCG to DAC




DAC to TCG

# TCG on RF signal

- *9 l· ă Ŝ ά { ƻ ẏ l· ű Ŝ ă ű ² K Ŝ Ŝ f*
- *TCG on composite material can be realized with a RF signal*

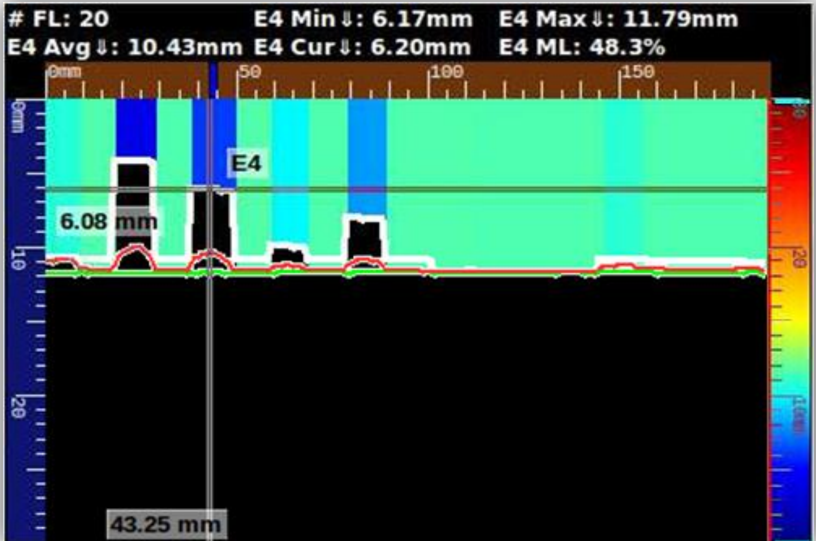


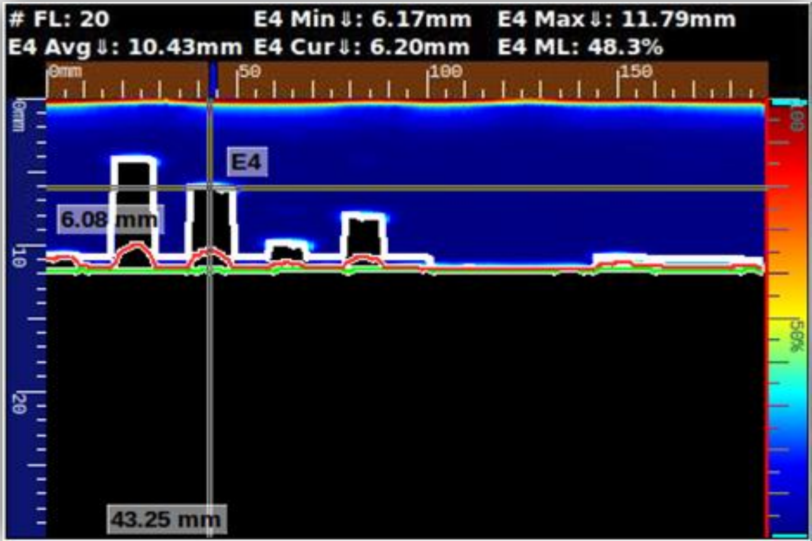
# New B-LOG type view (in analysis on device)

- *Complete new feature*

# B-Log options

- B-Log view support zoom
- Options are available in view tab (when B-Log view is selected), data can be filtered using reference gate (optional) and data gate. (IFT, G1/, G1^,…)
- Depth (Time of Flight )  or    Amplitude mode



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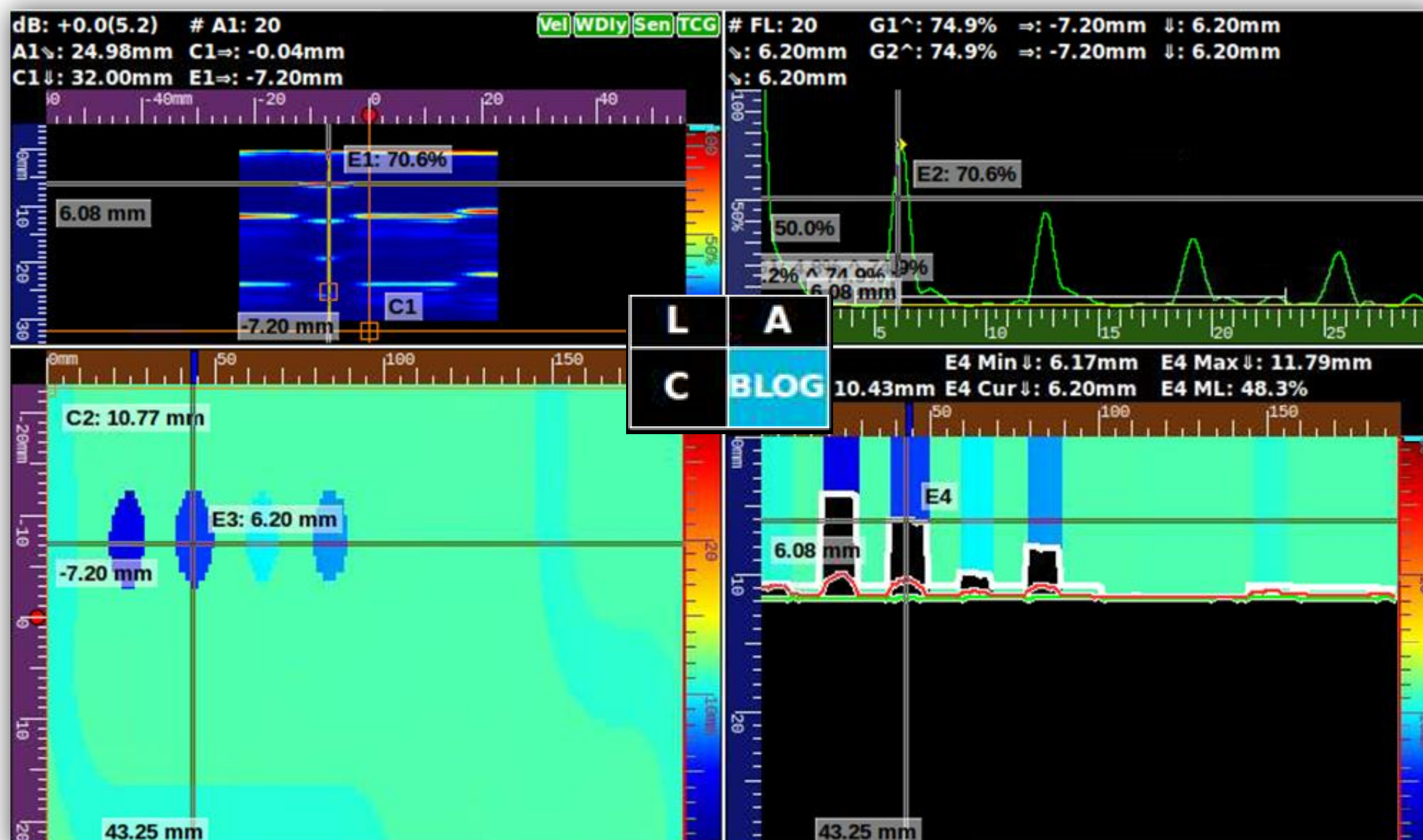
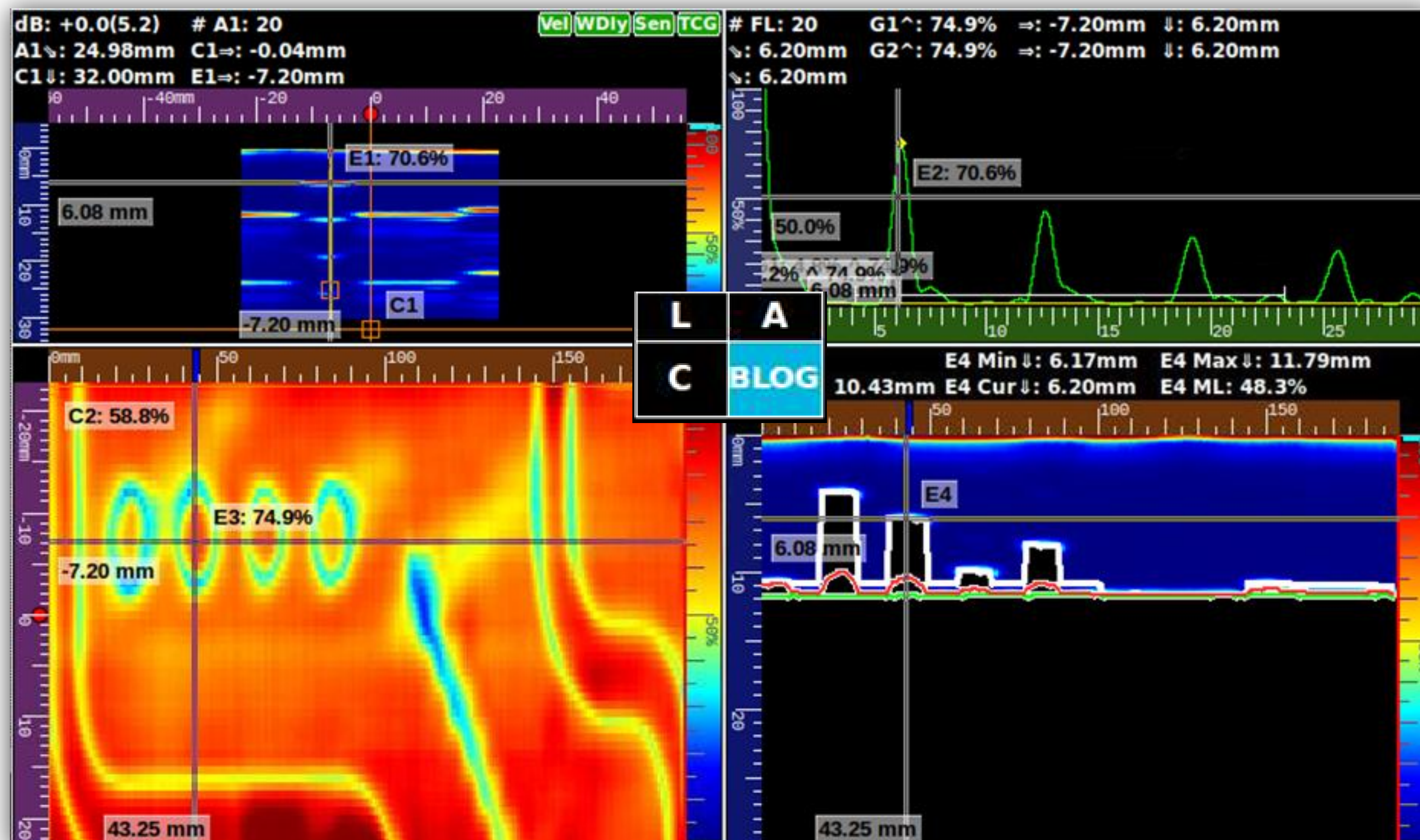
# *Depth C-Scan and B-Log*

- *B-Log complement to C-Scan view*




*Limitation: Only support probes at 0 degree*

# Amplitude C-Scan and B-Log

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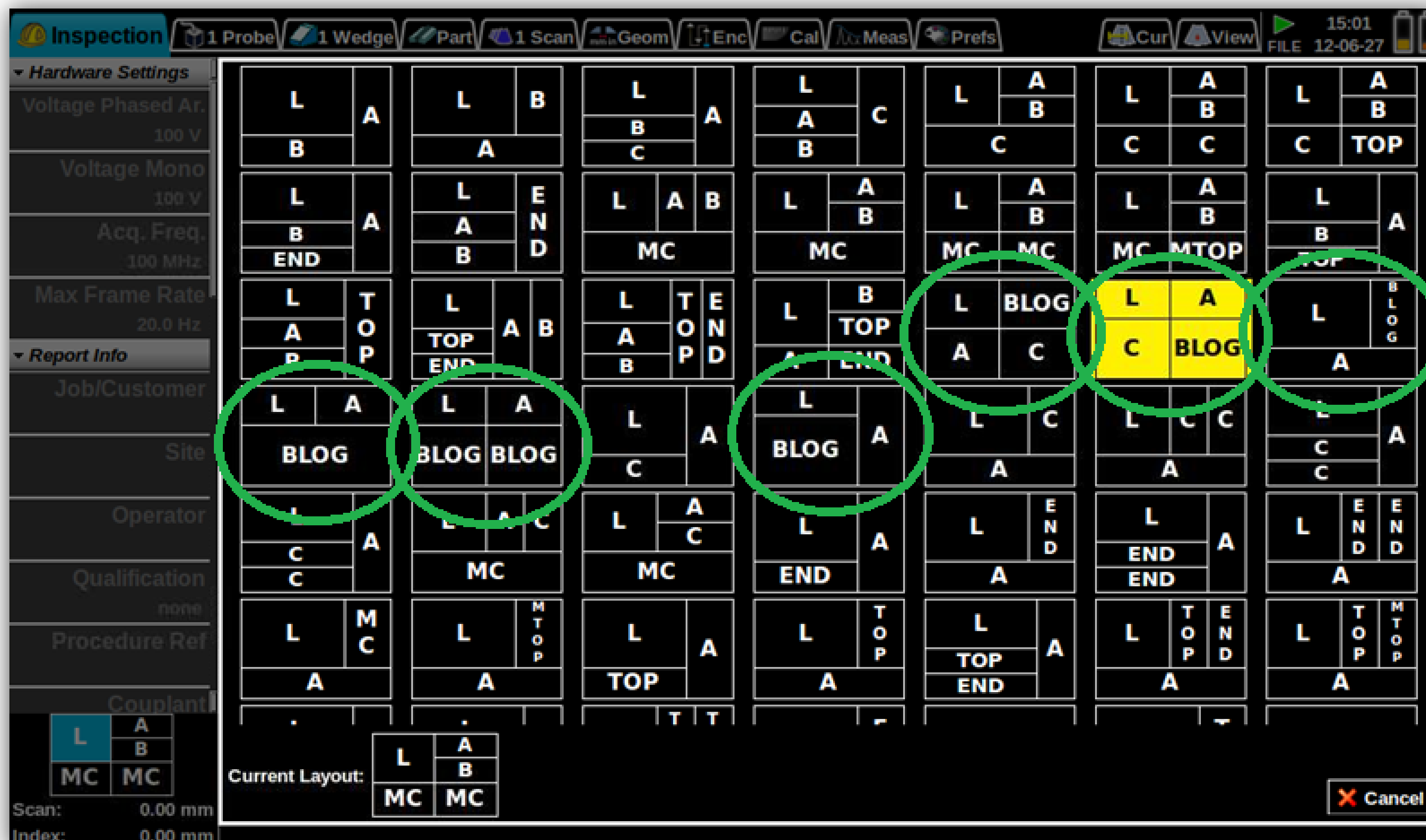
# Several B-Log layout



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# TOFD enhancement

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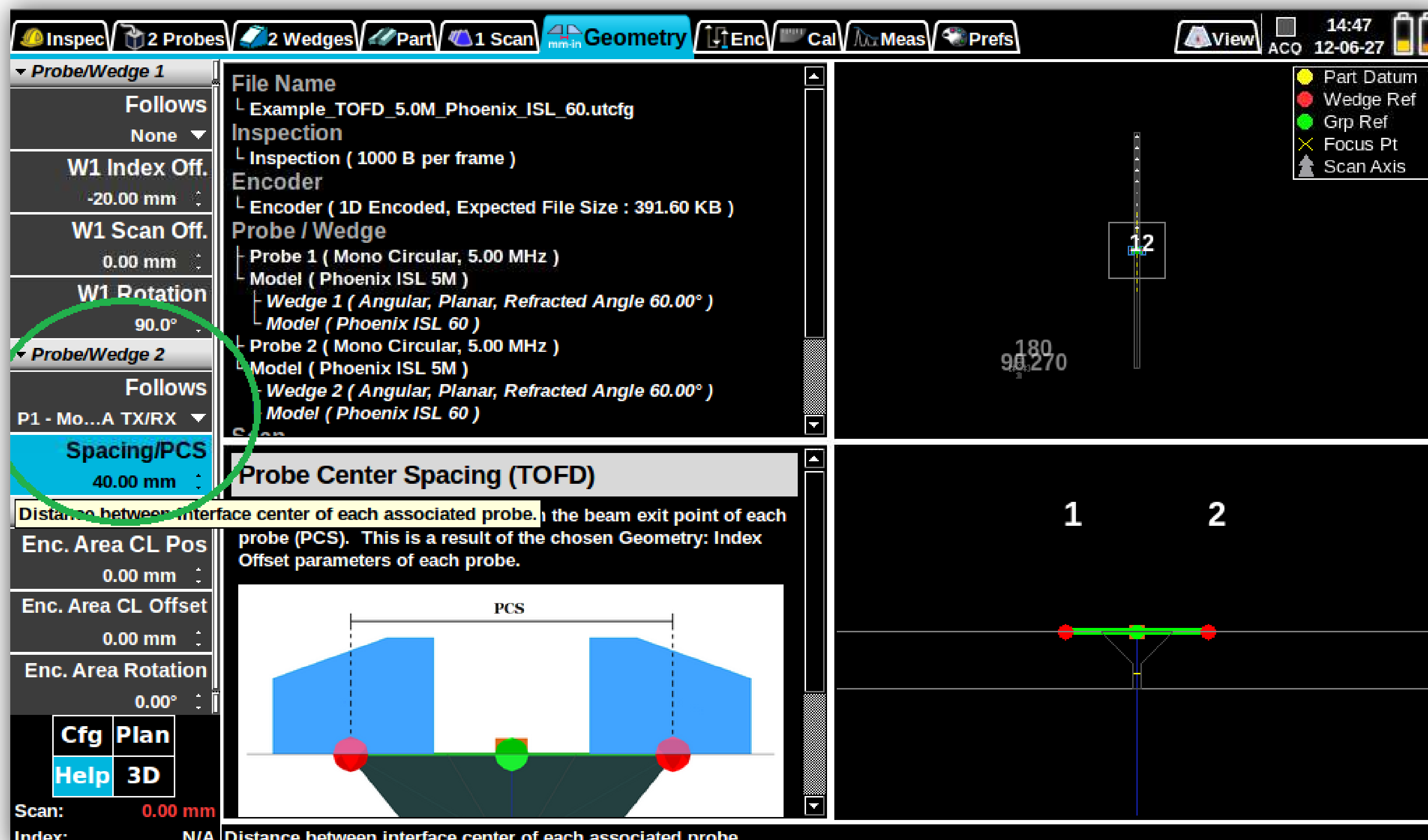
• *Added feature: Lateral Wave Removal*

# Edit the PCS directly with the new άGŜƻƳŜǘNJȅ ƳŜƴǳέ ŦƻNJ ǇŀƛNJŜŘ ǇNJƻōŜǎ

- wŀǇƛŘ ŎƻƴŦƛƎdzNJŀǘƛƻƴ ǿƛǘƘ ŀ ƴŜǿ ¢hC5 ƎŜƻƳŜǘNJȅ option, allowing to locate with one parameter : PCS

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# Calibrate your LW position with ά wdz f ŜNJ [ ² t ƶ ă

- *Lock the parameter "Ruler BW Position" to avoid misleading calibration*

# *Added feature: Lateral Wave Removal tool*

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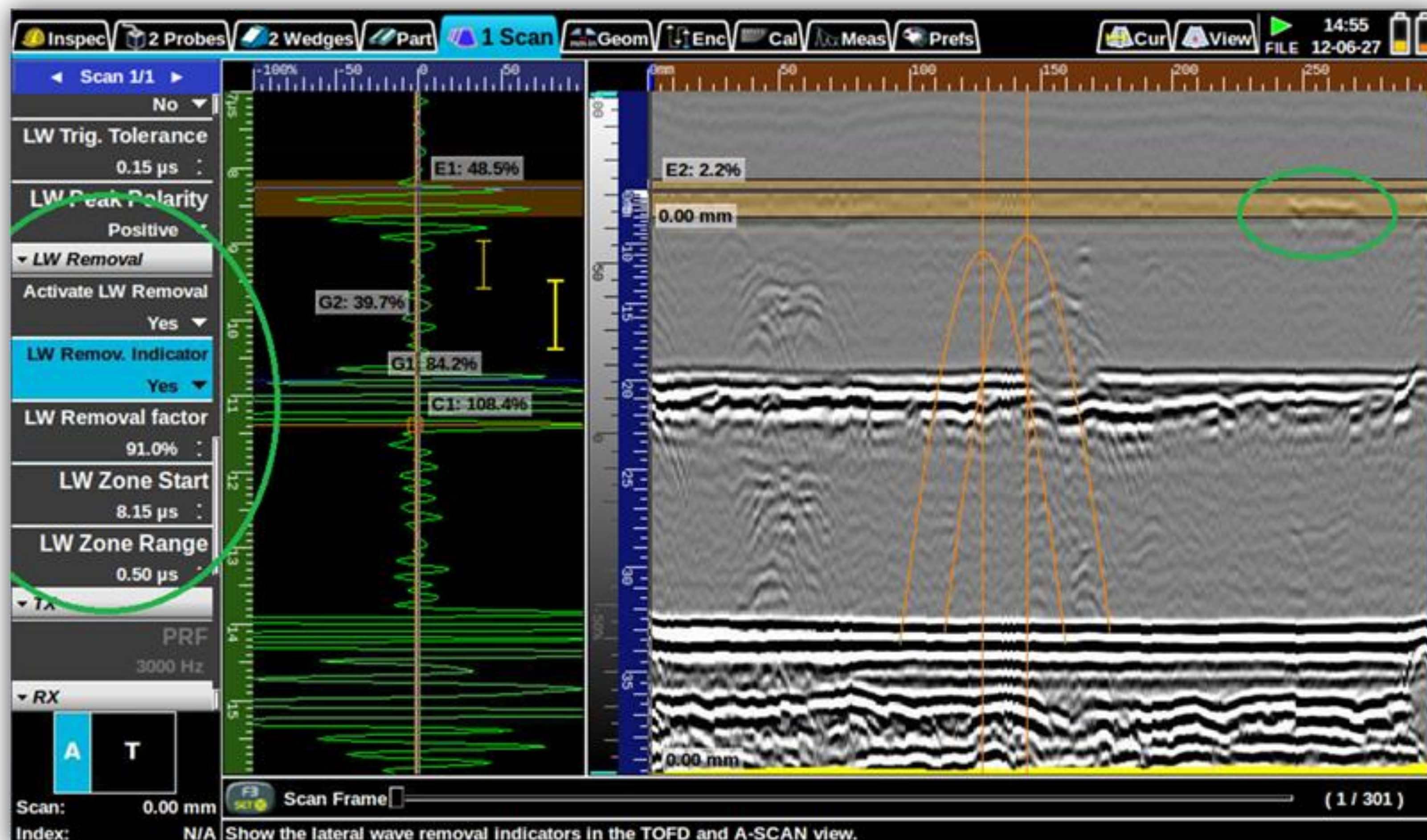
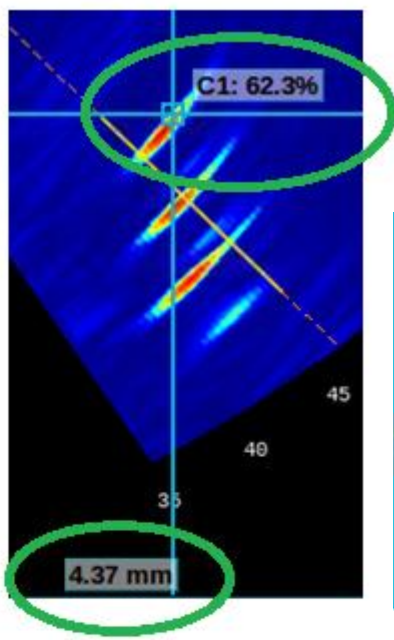
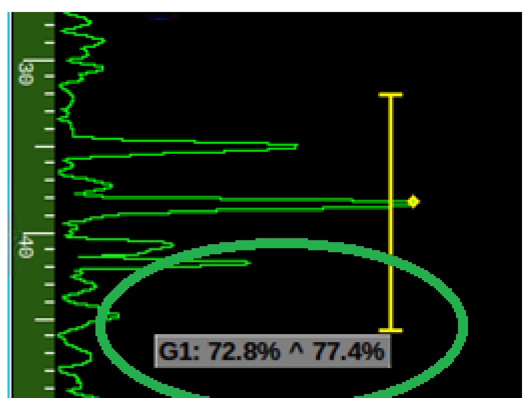


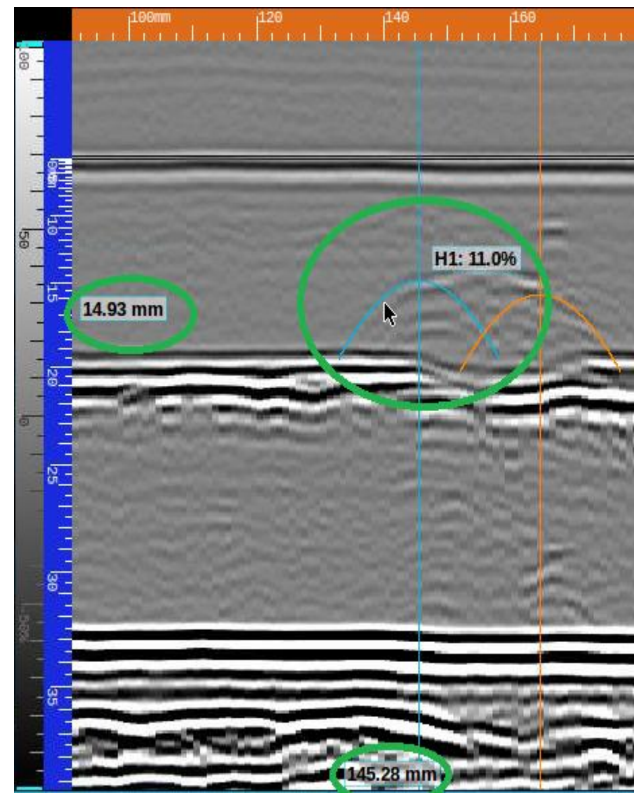
# And MORE…

# Measurement overlay enhancement for readability

- *Easier to read measurement,*
- *Not hiding scan data*

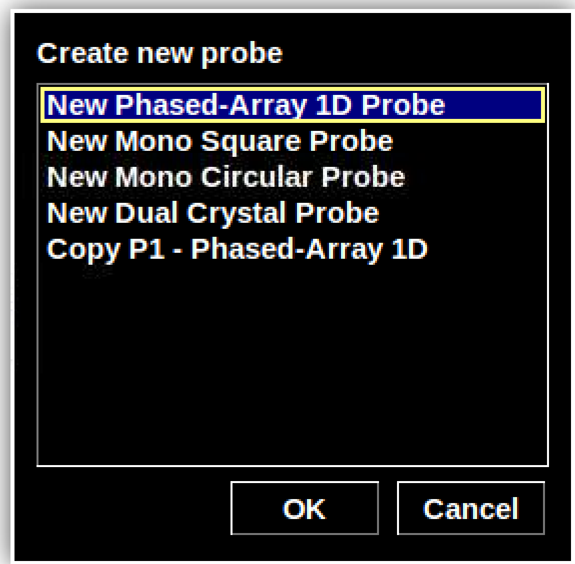


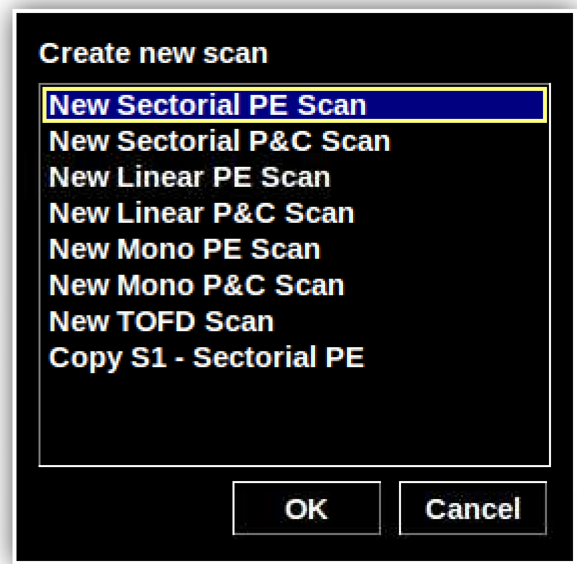



# Copy existing probe/scan

- *Copy Probe, Wedge and Scan*
- *Easier to add a new scan to your setup*

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# Ruler considering skip cursor (weld overlay)

- *Ruler are adapted to weld overlay*
- *Proper gate information can be displayed in measurement view*