

Field Data Replication



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VR Core Focus

To make the world's most innovative sound and vibration technology tools,
enabling our customers to make reliable decisions and trustworthy products

Company Values

Strong & Driven Work Ethic

We do the Right Thing

Capable & Competent

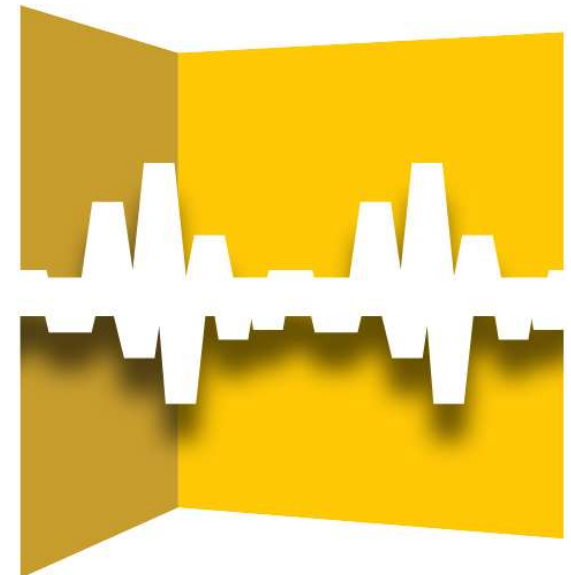
Accountable & Responsible

Collaboration

Innovation

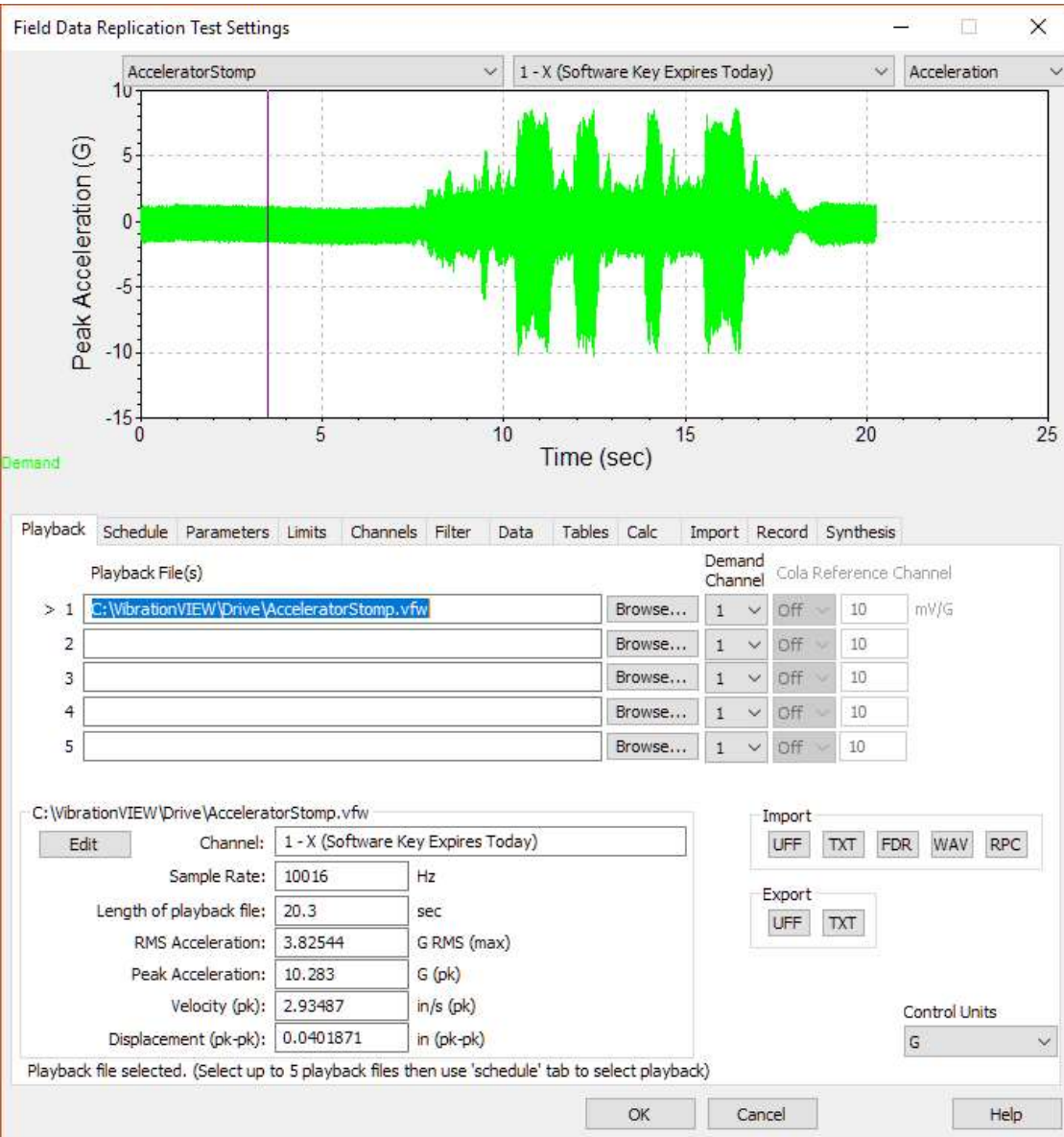
FDR History

- Iterative Time History Playback
- VR's 1st Innovation – 1995/1996
 - Quickly get to full level
 - Minimal test setup and configuration
- Applications
 - Re-Create, 1:1 replication of field waveforms
 - Automotive Test Track Data
 - BSR
 - Aerospace
 - R&D



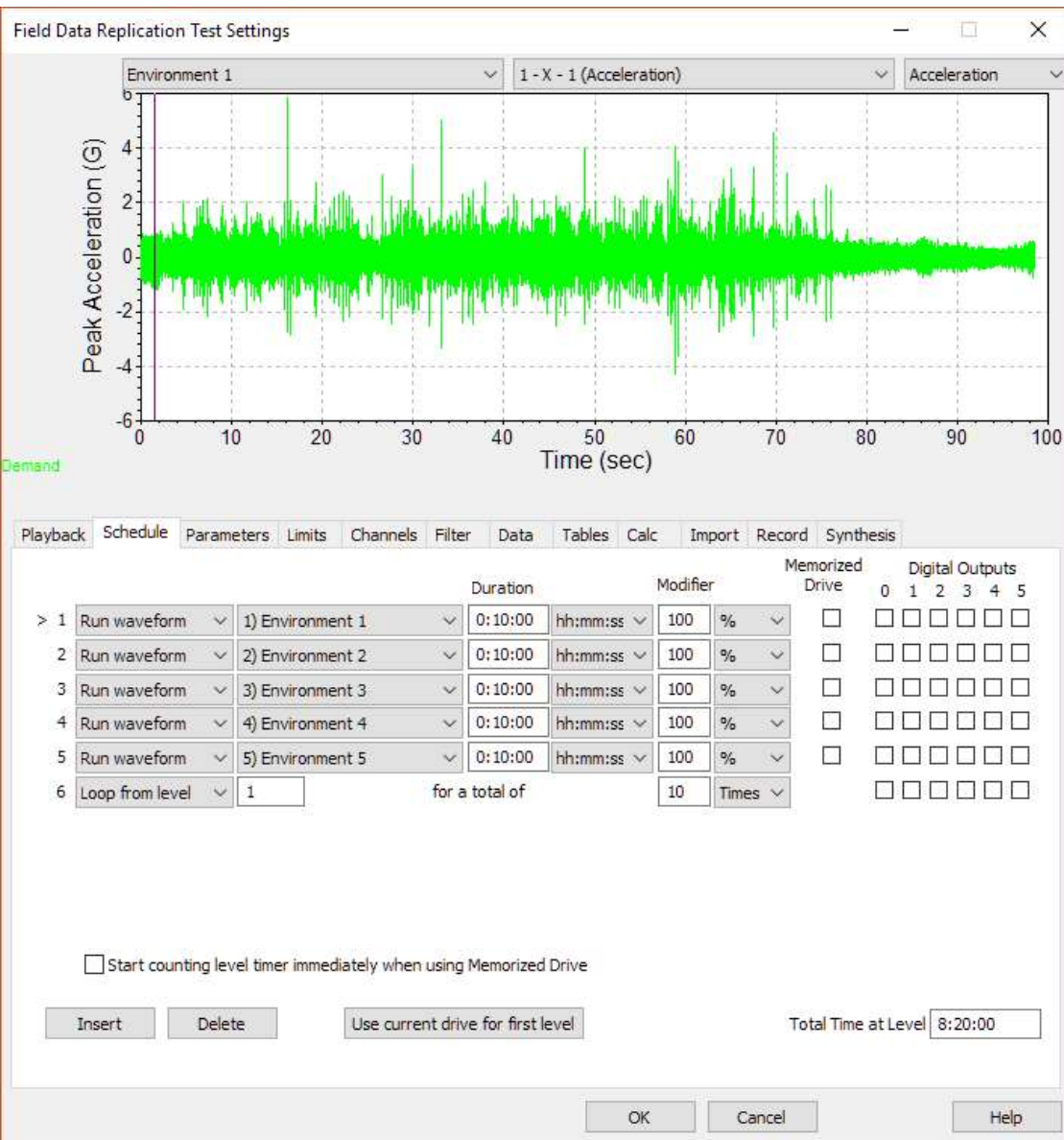
FDR Features

- Up to 4 billion samples/channel
- FDR “COLA Reference” Output
 - Play reference waveform synchronized with the control waveform
 - Spectrum Analyzer for external verification
 - Pre-Recorded Trigger Signal – Tach, Cylinder Firing
 - Sync Environmental Figures
- Data Import
 - UFF, TXT, WAV, RPC, FDR
- Data Export
 - UFF, TXT



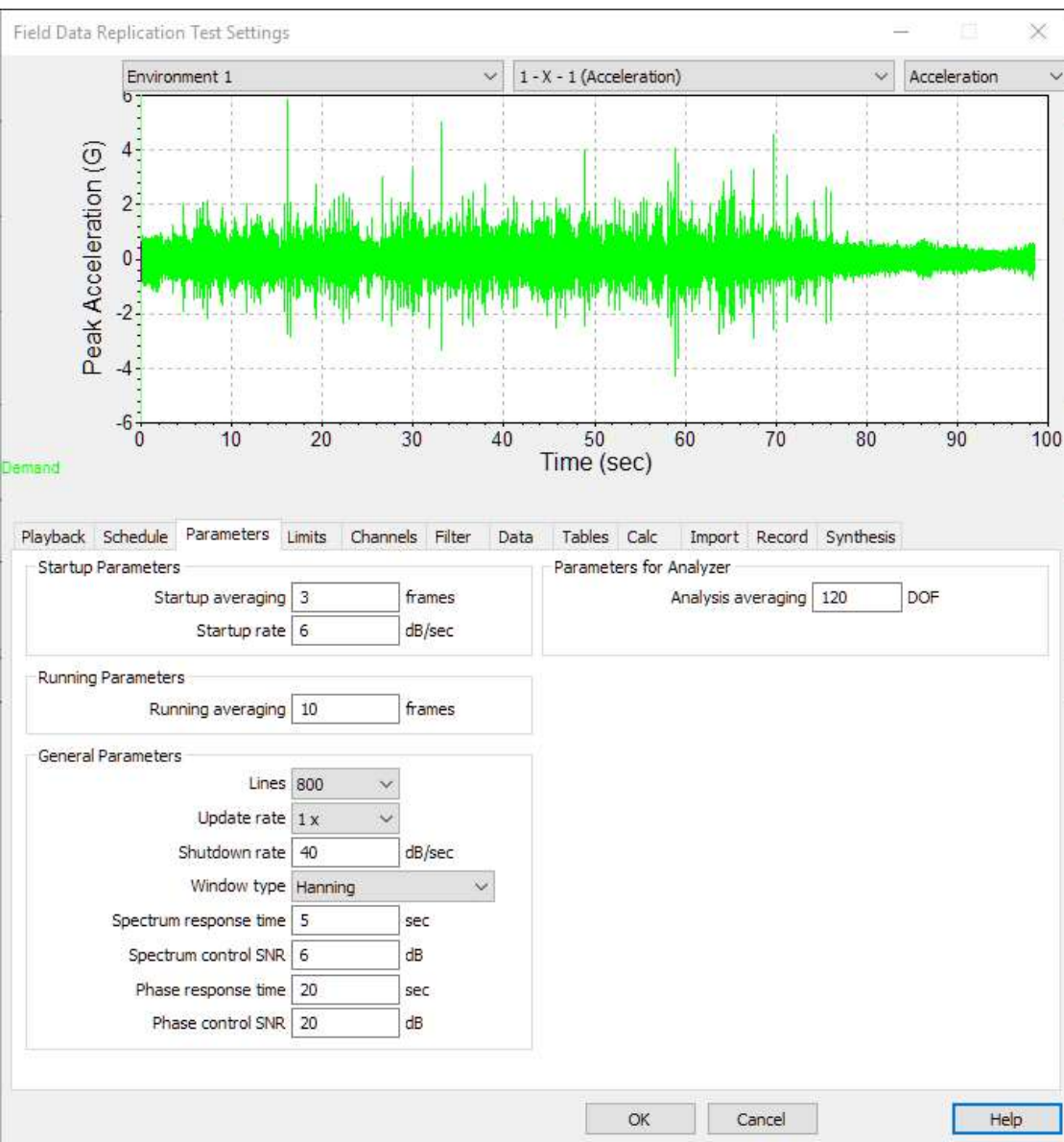
Playback Tab

- Select the Waveform
 - Up to 5 files
 - Select different channels for control
- Edit a Waveform
 - Cut, Copy, Append
 - Filter and Re-Sample
- Waveform Statistics



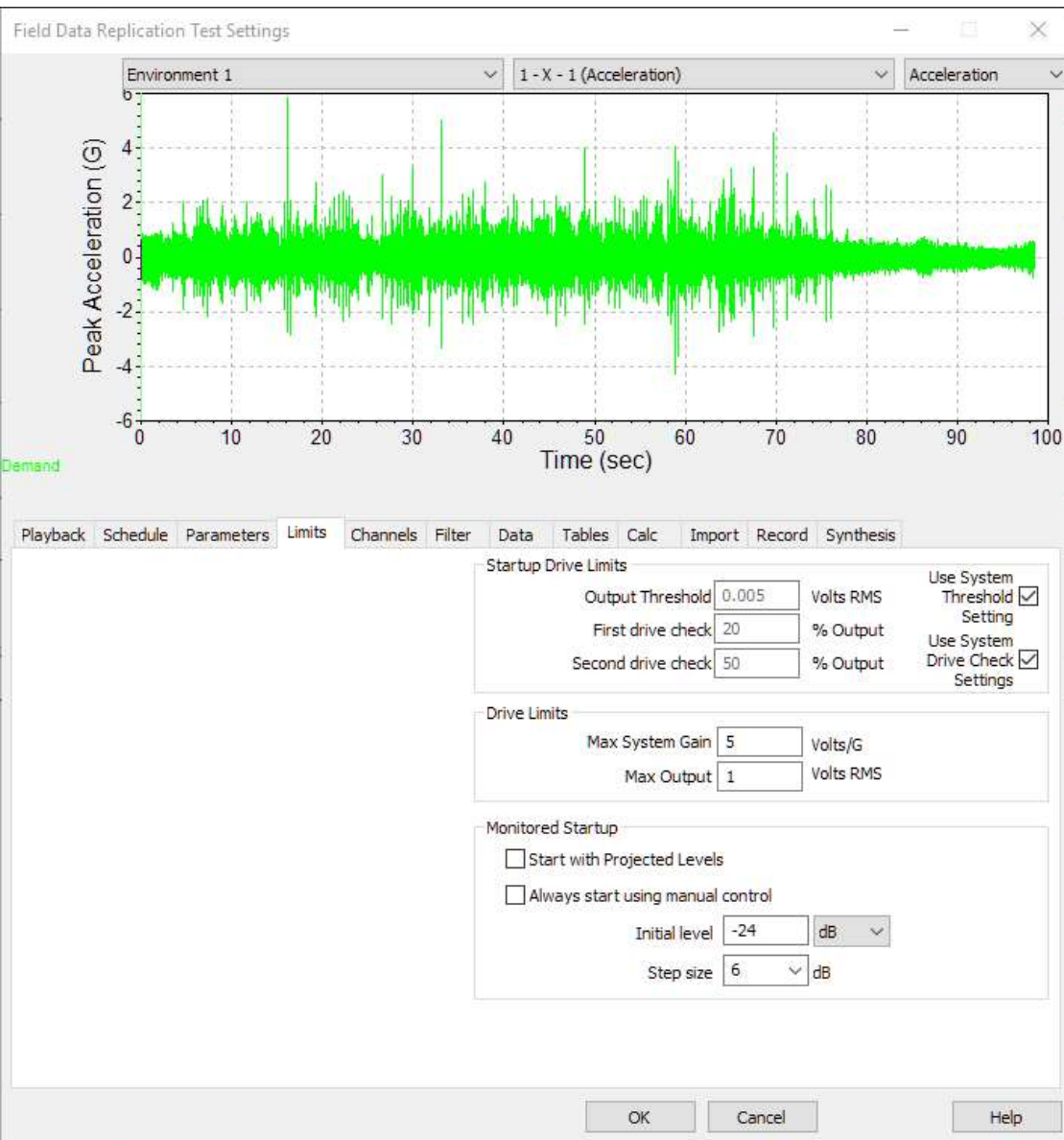
Schedule Tab

- Similar to other Major VibrationVIEW Modules
 - Memorized Drive = No Equalization
- Verify/VIEW
 - Acceleration
 - Velocity
 - Displacement



Parameters Tab

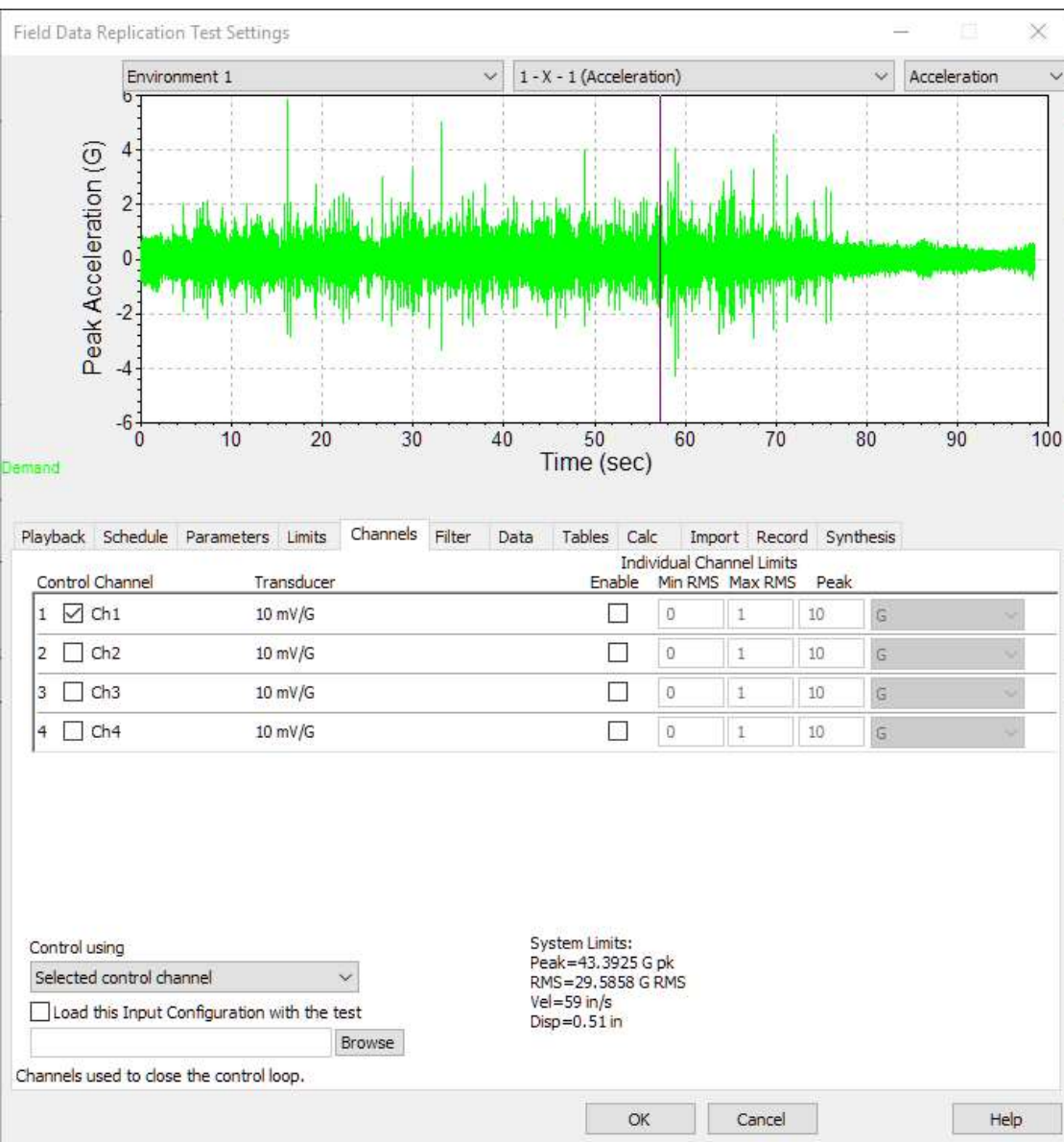
- Startup Parameters
- Running Parameters
- General Parameters
 - Lines
 - Update Rate
 - Window Type
 - Spectrum Response Time
 - Spectrum Control SNR
 - Phase Response Time
 - Phase Control SNR



Limits Tab

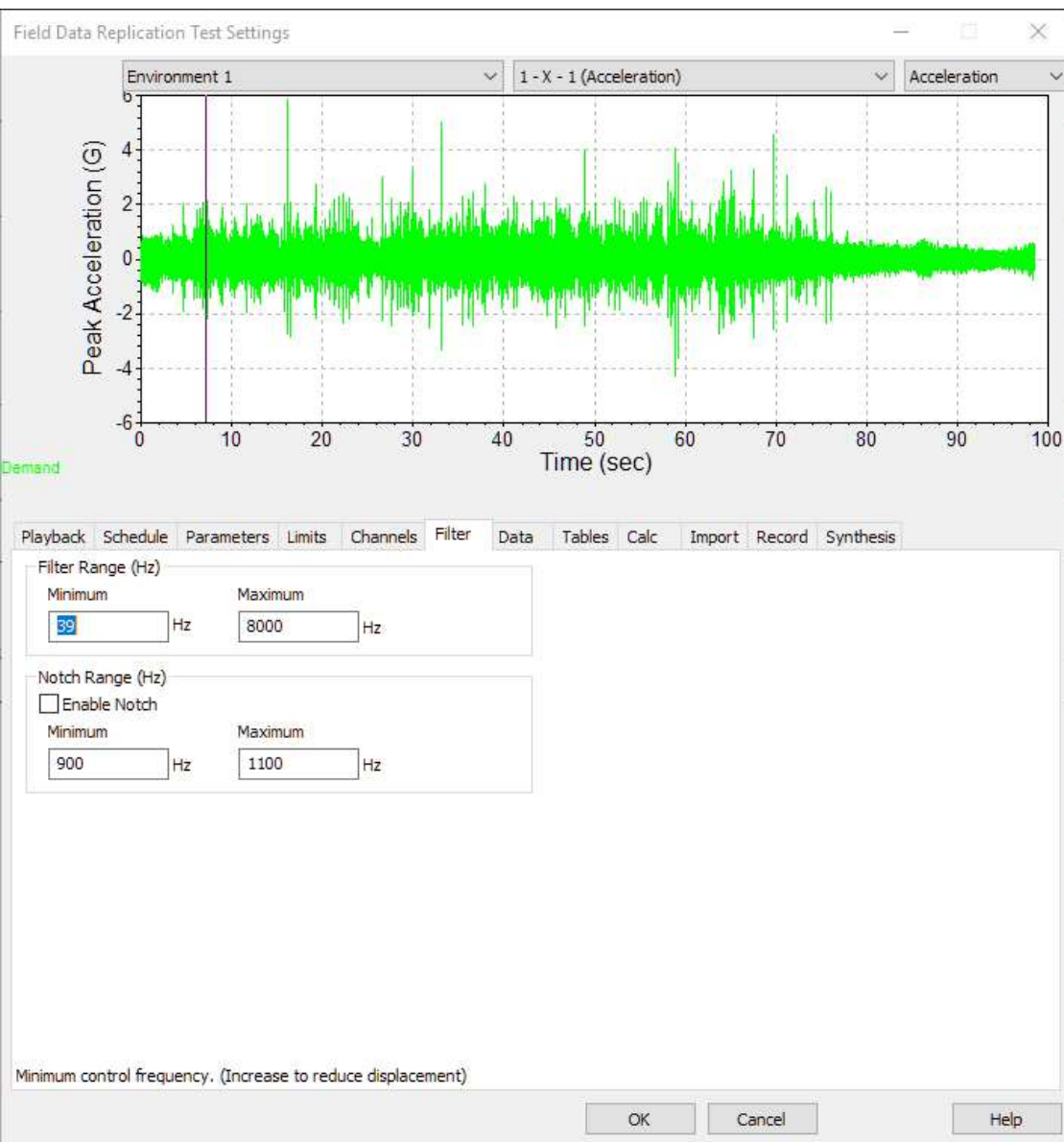
- Profile Limits
 - Startup
 - Running
- Monitored Startup

**** Use the Drive vs. Input Graph to configure startup and running drive limits****



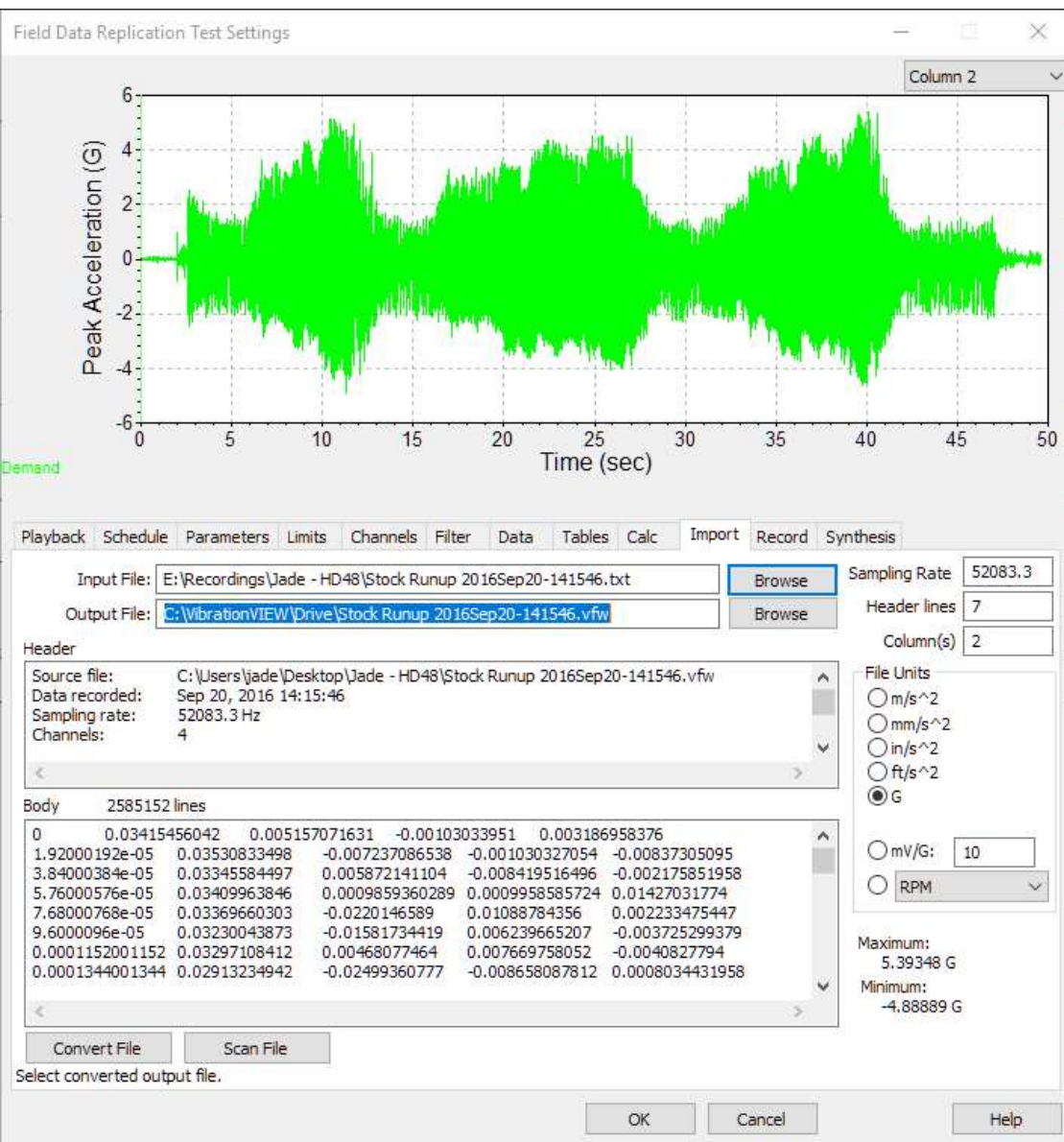
Channels Tab

- Only 1 Control Channel



Filter Tab

- Select Filter and Notch BW
- Make changes while the test is running!



Import Tab

- Import
 - TXT
 - CSV
 - LOG
 - ASC
 - DAT
- FOR RPC Files
 - Right Click on File, Convert to VFW

Any
Questions



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