

Signal-Wise: we get the signal right

Sound Viewer

Door Slamming

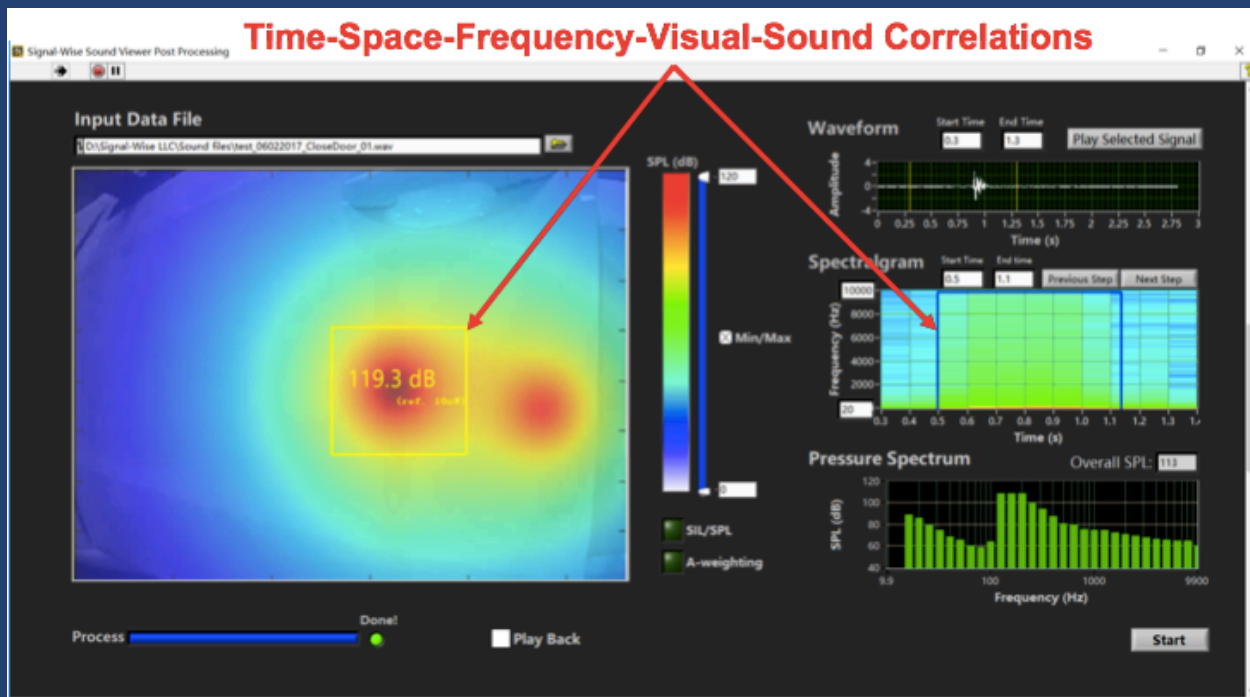
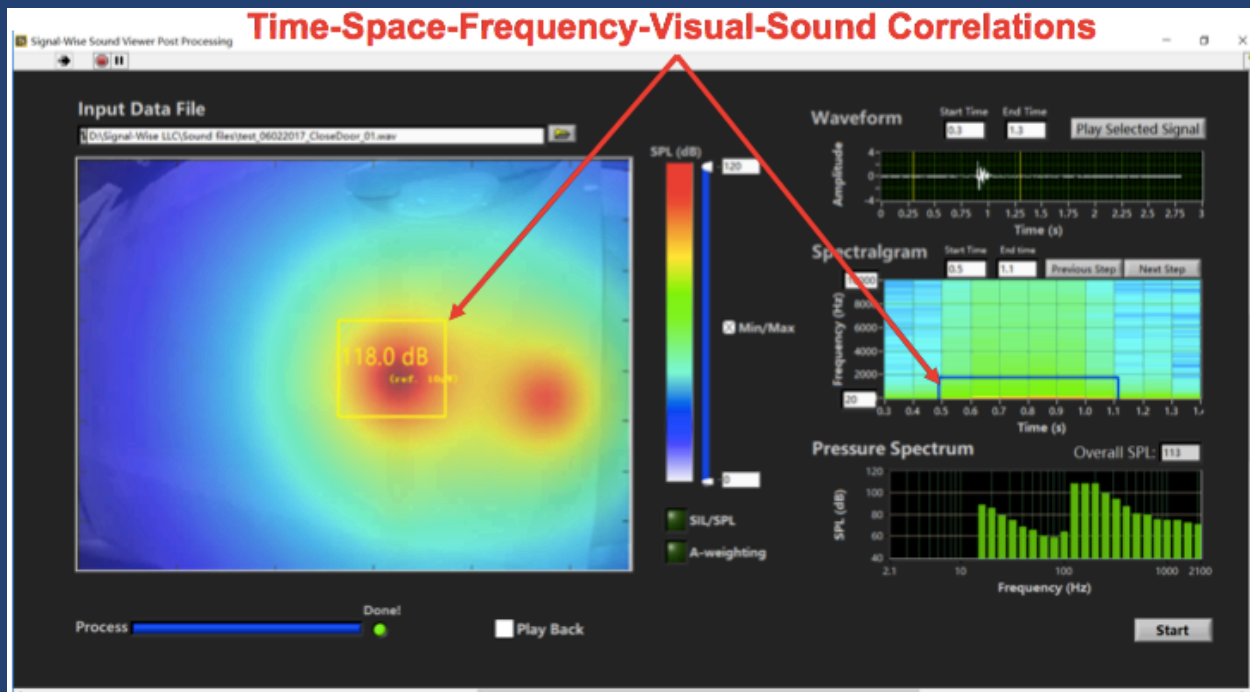
Sound Viewer is capable of handling both stationary and non-stationary sounds by providing the acoustic pressure distributions on an arbitrarily shaped sealed structure¹ in a non-ideal environment over the frequency range of 20 – 20,000 Hz.



Sound Viewer — A one-of-a-kind comprehensive noise diagnosis and analysis system

¹ Provided that the 3D model of the structure is available. This 3D model can be generated by CAD or using a 3D scanner, which are not included in the Sound Viewer package.

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Sound Viewer enables one to analyze transient door slamming sounds and correlate time-space-frequency-visual-audio relationships by visualizing the acoustic pressure distribution over the entire frequency range from 20 – 20,000 Hz. It also allows users to estimate the acoustic power, namely, source strengths at user-defined areas of these transient sounds.