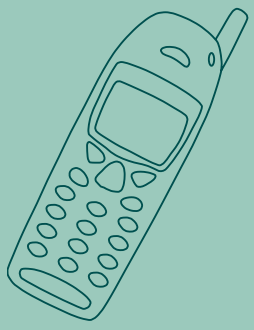
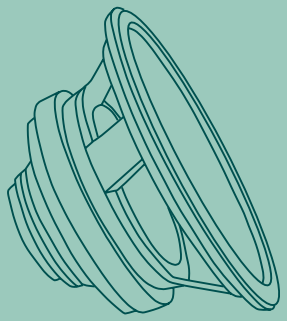
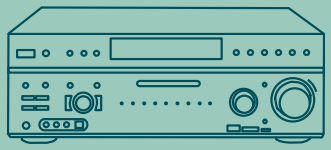
LISTEN INC

10 years of audio test and measurement
LISTEN INC 1995 - 2005

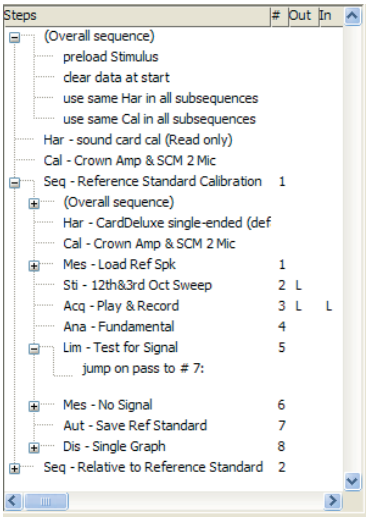
SoundCheck 6.1 New Features





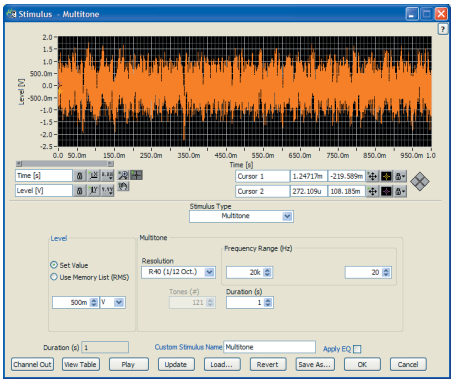


Version 6.1 elevates the SoundCheck Audio Test and Measurement System to a new level. With the addition of multitone excitation and true, dual-channel analysis, you can measure transfer functions and all associated cross-spectra functions such as coherent and non-coherent power, signal-to-noise, etc. Time domain analysis includes auto and cross-correlation, impulse response and overlap processing. Multitone excitation enables frequency and distortion to be measured in one second or less. Pass/fail limits can now be applied to time signals when characterizing transient response and limits can be changed dynamically during a production run (e.g. ±3 sigma). Enhanced statistical analysis includes Pp, Ppk and Best Fit to Average to find "Golden Unit" products for QC testing. Major new features include:



Configure Sequences Faster

- New Explorer-style Tree Navigation makes it easier to see configuration information and navigate complex sequences.
- Sequence and step configuration can be exported to text or Excel for documentation purposes.

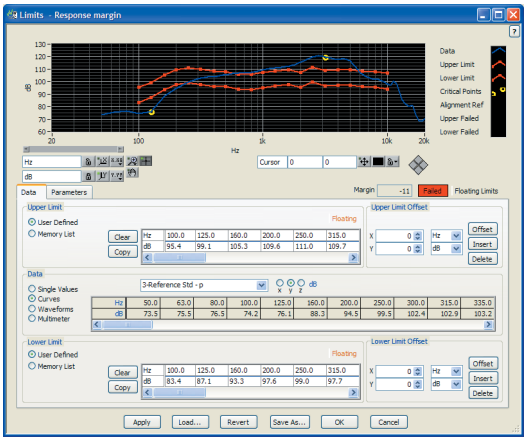


Multitone Excitation

- Fast and efficient measurements of frequency response, impedance, and distortion plus noise in as little as 1 second.

Expanded Limits Capabilities

- Faster limits checking on time waveforms including time envelopes.
- Dynamic limits that can adjust to varying measurement conditions.
- Output failed measurement points for further post-processing or statistical analysis.



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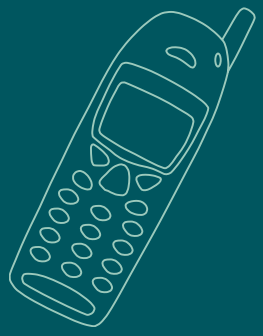
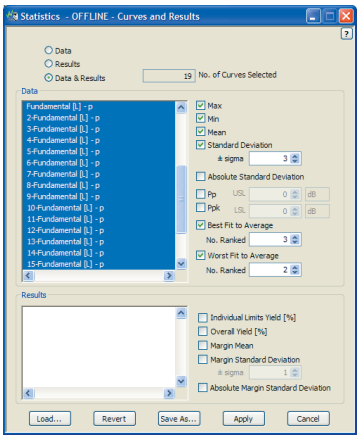
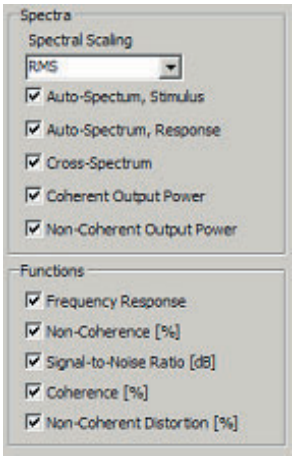
SoundCheck 6.1 New Features (cont)



Enhanced Offline Statistics

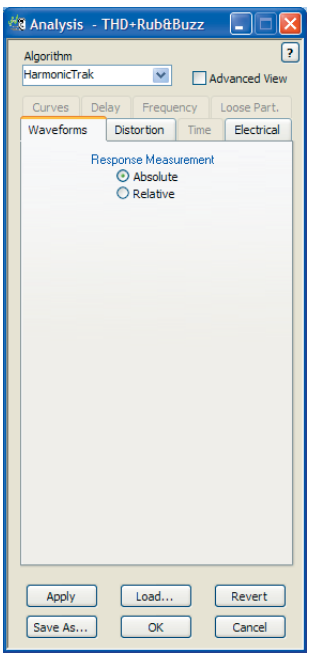
- Pp and Ppk for Process Control
- Best Fit to Average to choose “Golden Units” for production testing.
- Worst Fit to Average to quickly find outliers from sample.

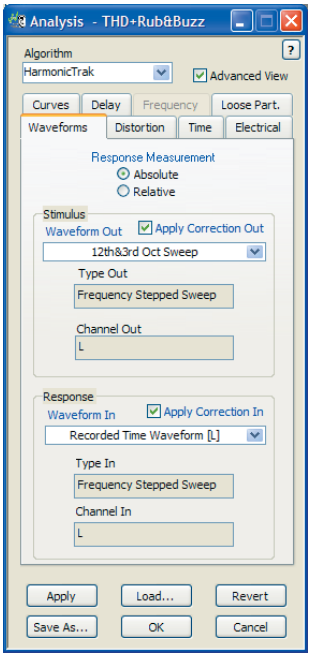




Powerful Dual Channel Analysis

- Dual channel analysis enables any excitation signal to be used in measuring system transfer functions.
- Functions include: Frequency Response, Auto-Spectrum, Cross-Spectrum, Coherent Output Power, Impulse Response, Auto-Correlation, Cross-Correlation, Signal-to-Noise Ratio, Coherence, and Non-Coherent Distortion
- Overlap processing with user-defined frequency resolution and choice of time windows (e.g. Hanning, Blackman-Harris, etc.)





Simplified User Interface

- Advanced-view check box enables detailed or simplified display of analysis choices.