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New Spectral Limits Option for XL2 Analyzer

Schaan, June 2011. NTi Audio introduces the Spectral Limits Option for the XL2. It is a firmware module that extends the function range for the XL2 by trace capturing, relative curve display and comprehensive tolerance handling for the FFT Analysis and the new high resolution RTA function with spectral resolutions up to 1/12th octave.

The new Spectral Limits Option adds an additional RTA Analyzer with selectable spectral resolutions of 1/1, 1/3rd, 1/6th and 1/12th octave. It also allows capturing of multiple traces in the internal memory. Measurements can be either displayed as absolute traces or shown relative to previously stored traces. This powerful functionality simplifies comparison of frequency responses and adjustments to an ideal response curve.

Tolerance handling

Spectral measurement can be compared against a tolerance curve and exceptions are visualized in every frequency band. Out-of-tolerance conditions are further visualized by the bicolor "limit" button and forwarded to the I/O interface of the instrument in order to drive an external alarm device such the accessory SPL Stack Light.

Tolerance curves can either be imported from txt-files or directly derived from captured measurements. The XL2 calculates tolerances based on single reference data, the mean average or Min/Max of multiple captures.

FFT module

For higher frequency resolutions beyond 1/12th octave the Spectral Limits Option activates the tolerance handling and capturing in the real time FFT function. With the zoom functionality of FFT, any frequency band with spectral resolutions of up to 0.4 Hz can be defined and monitored with tolerances.

The Spectral Limits Option is available for all XL2 Audio and Acoustic Analyzers now. Read more at www.nti-audio.com/XL2.

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About NTi Audio

NTi Audio AG develops highly qualified and customized measurement solutions for the pro audio and telecommunications industry. NTi Audio's main product lines are the handheld EXEL line, the A-Series audio analyzers, the RAPID-TEST production line test systems as well as complete turnkey tests solutions based on PureSound – a unique defects analysis technology. The headquarters of NTi Audio are in the Principality of Liechtenstein (Europe). Factory offices also include NTi Americas Inc in Portland, NTi China in Suzhou with support branches in Beijing and Shenzhen, NTi Japan in Tokyo and NTi Audio Prague. NTi Audio AG is the new company name of the earlier NTi AG.

Information for journalists:

Hi-res product pictures are available at the NTi Audio website - press area:

www.nti-audio.com/press