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EMU0202

http://www.emu.com

Features

- High-Speed USB 2.0
- 2 channels input and output
- Up to 192K sampling rate in full duplex
- Analog bandwiths 96kHz
- 24 bit resolution.
- Microphone preamplifier
- USB Bus powered

Lowlights (supported by the EMU0404)

- No digital interfaces
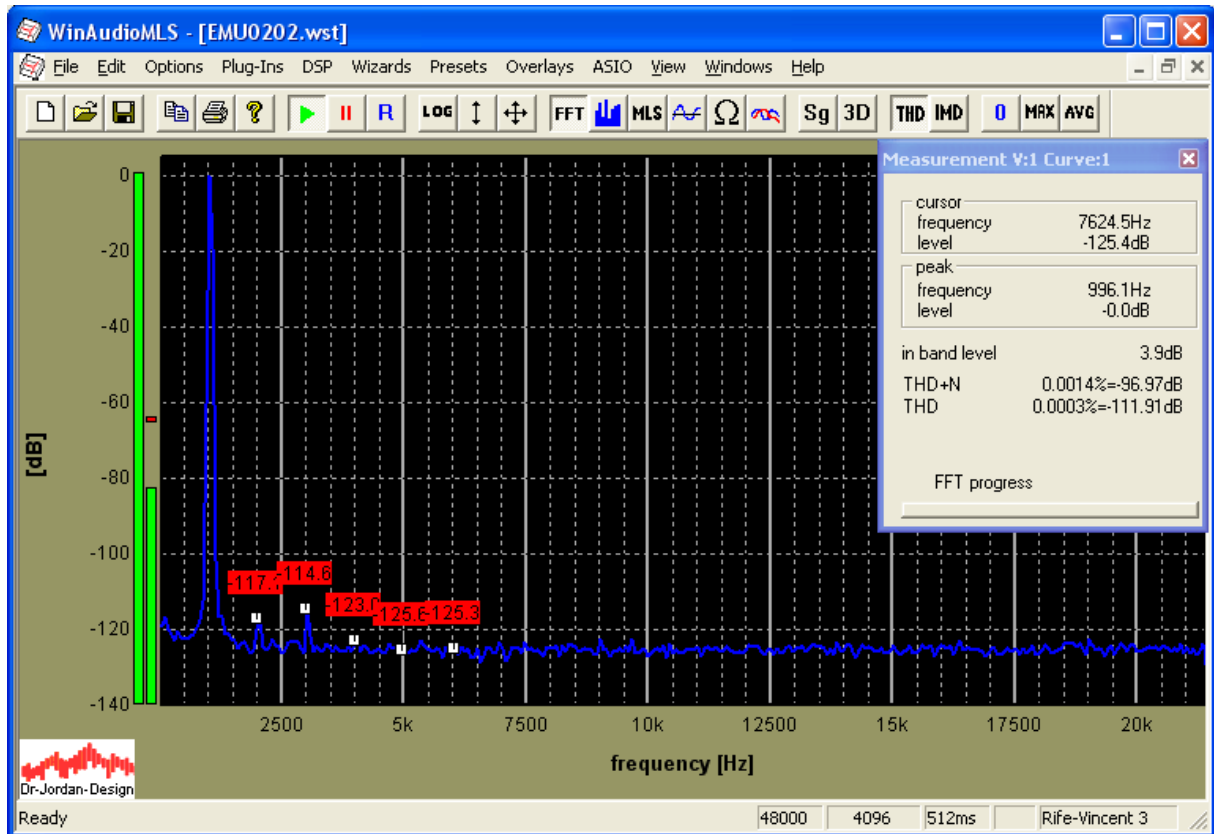- No phantom power for microphones

Setup

- WinAudioMLS PRO EX
- ASIO 24bit/192kHz plug-in
- 64bit FFT plug-in
- Sweep Tracking plug-in
- Input and output of channel 1 connected with a balanced cable
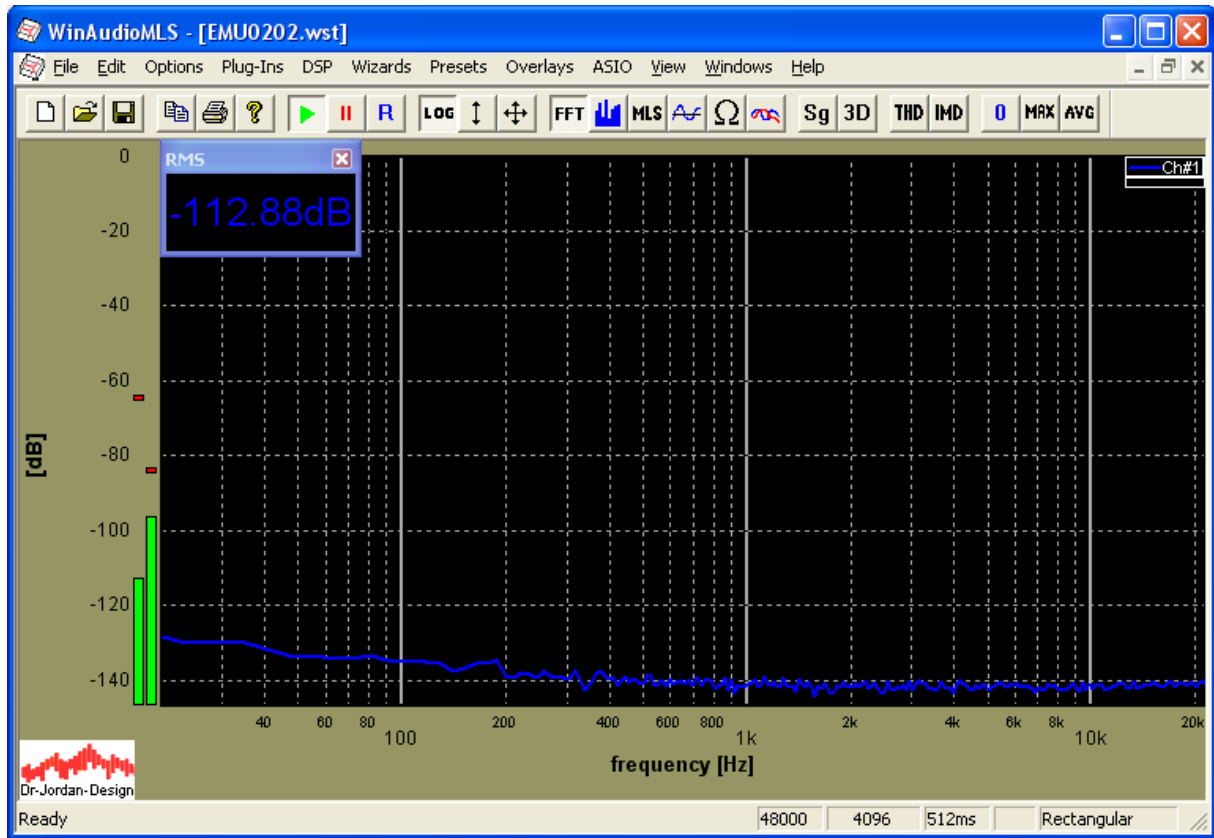
Distortion and Noise Analysis

Input and output connected via line inputs.
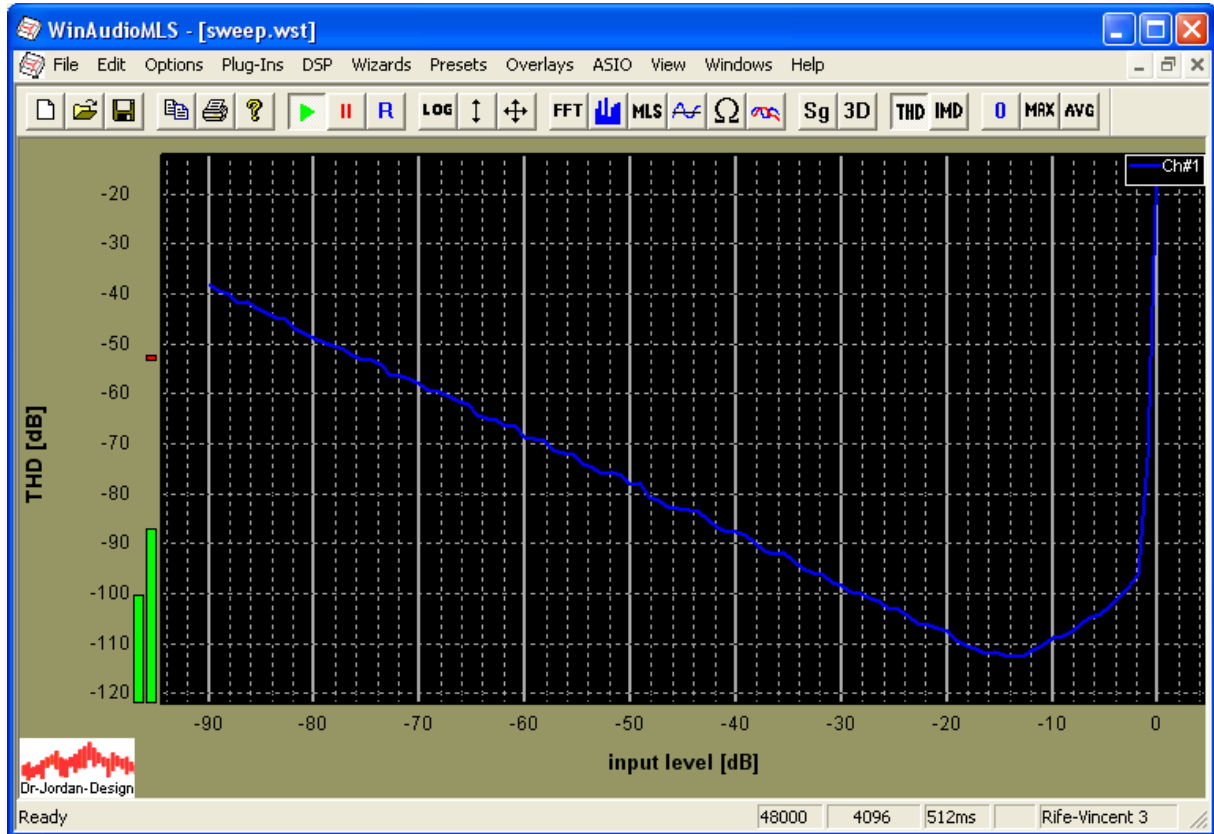Input frequency is 1kHz.
Sample rate is 48kHz

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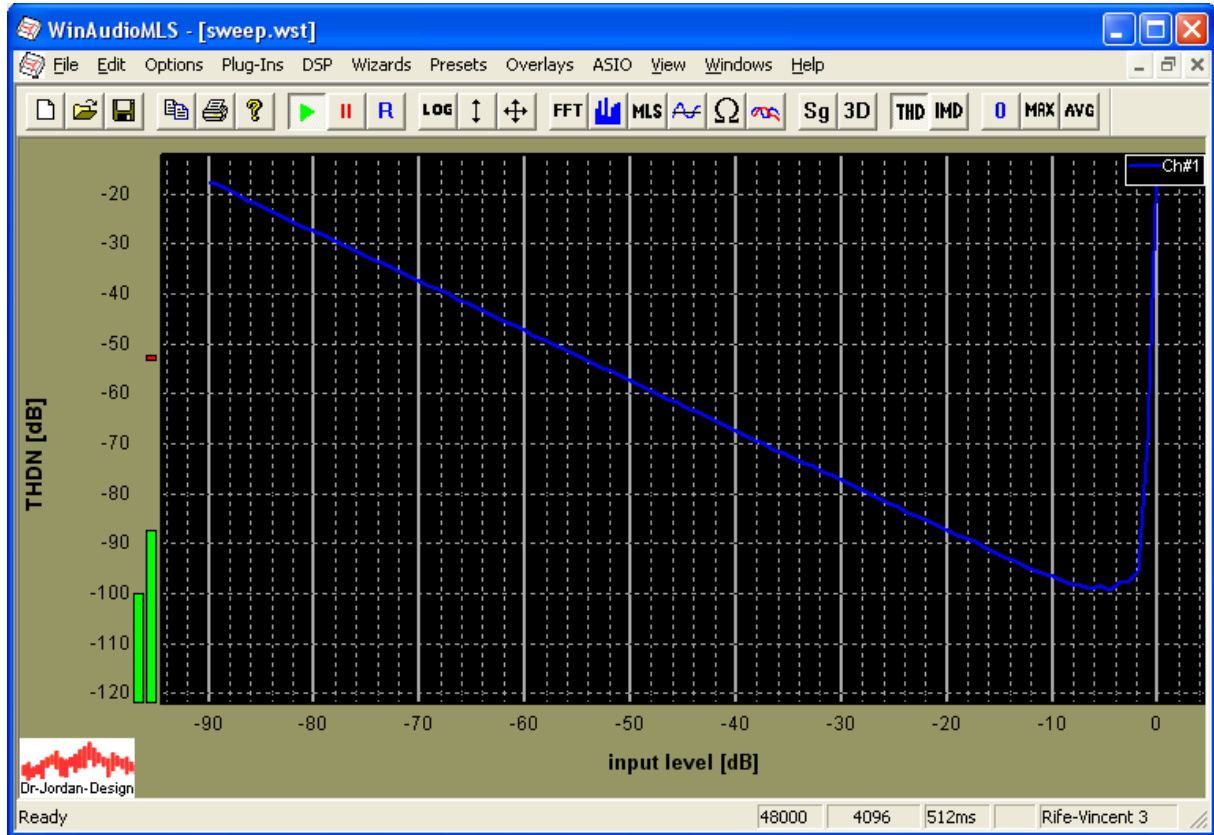
Input grounded

Dynamic range is almost 113dB

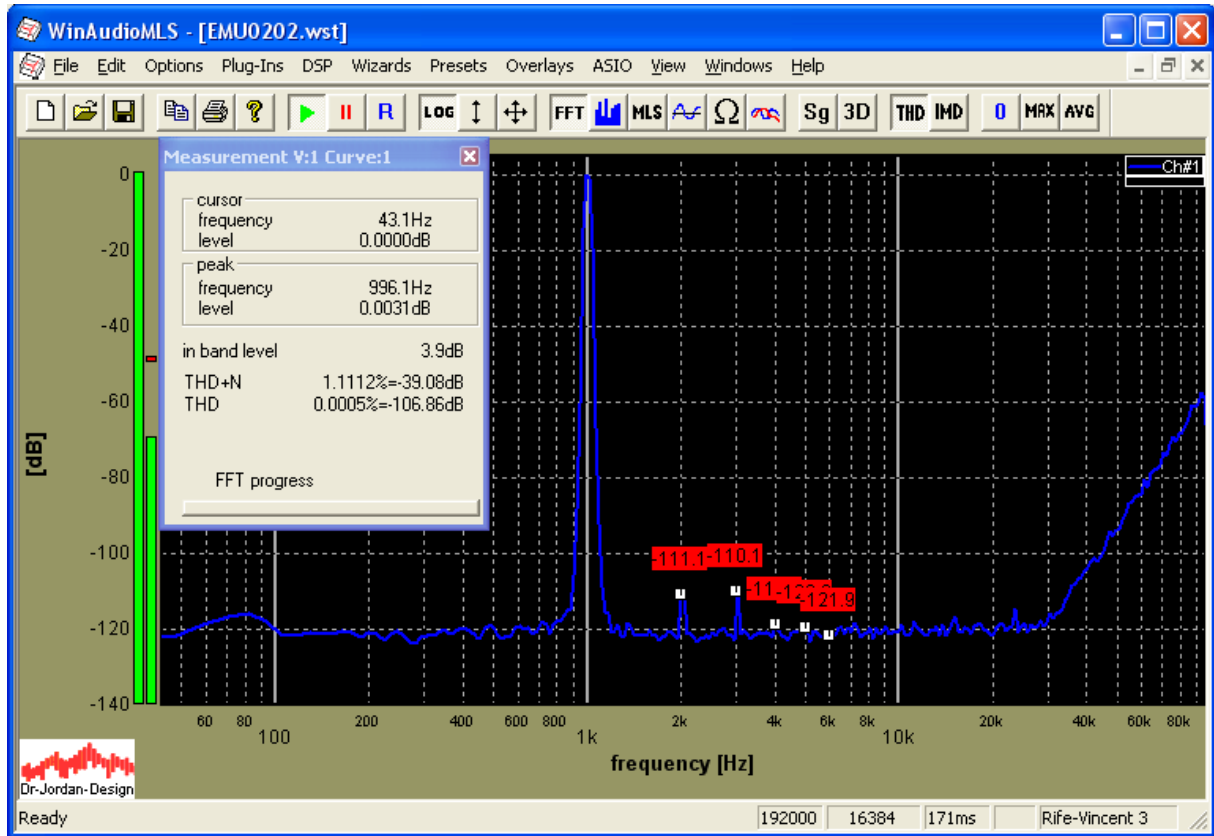**Dr · Jordan · Design**
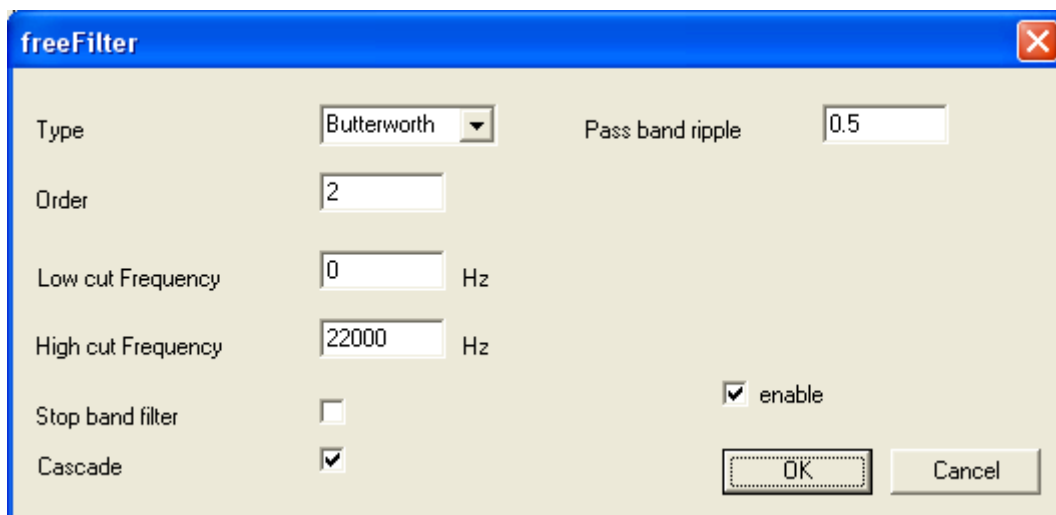
THD vs digital level

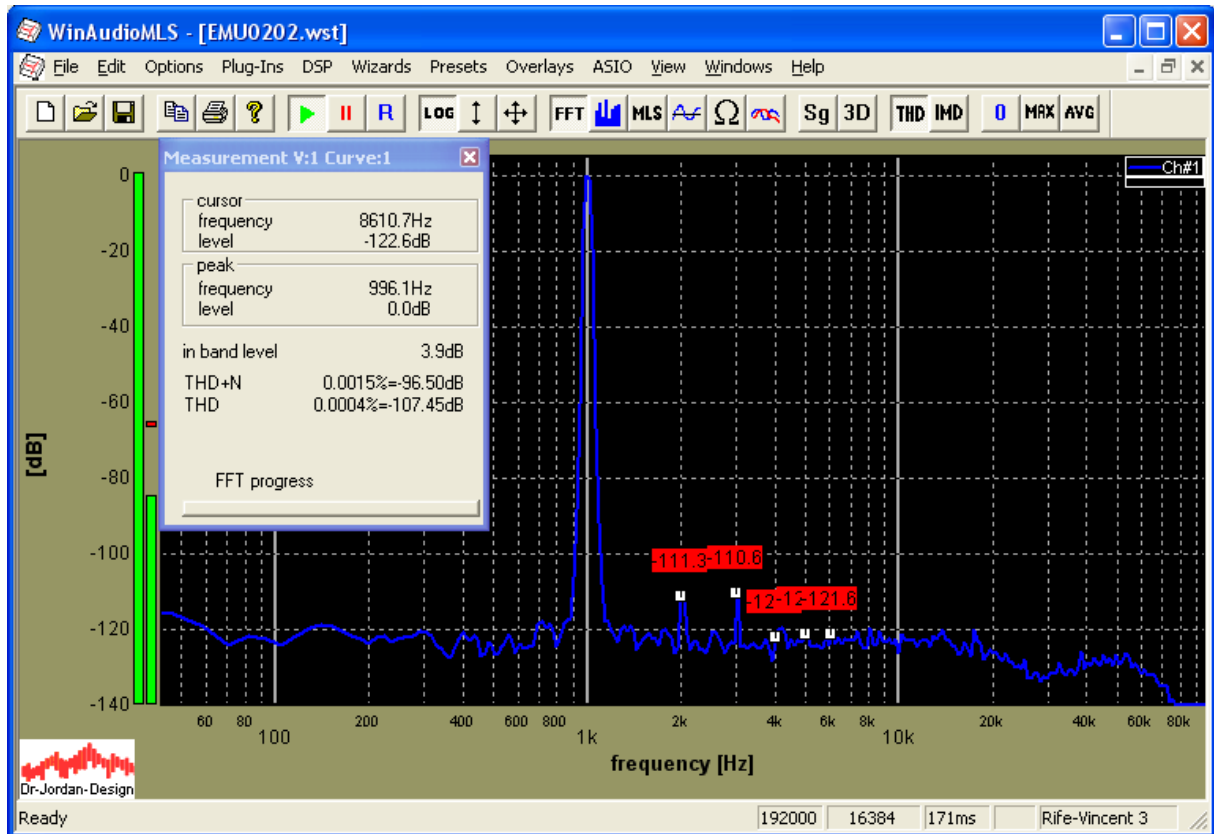Input gain set to min

THD+N vs frequency

192kHz Distortion

Significant aliasing components above 30kHz which reduces the wide-band THD+N.
We can remove such components with a digital low-pass filter.

Frequency response at 192kHz