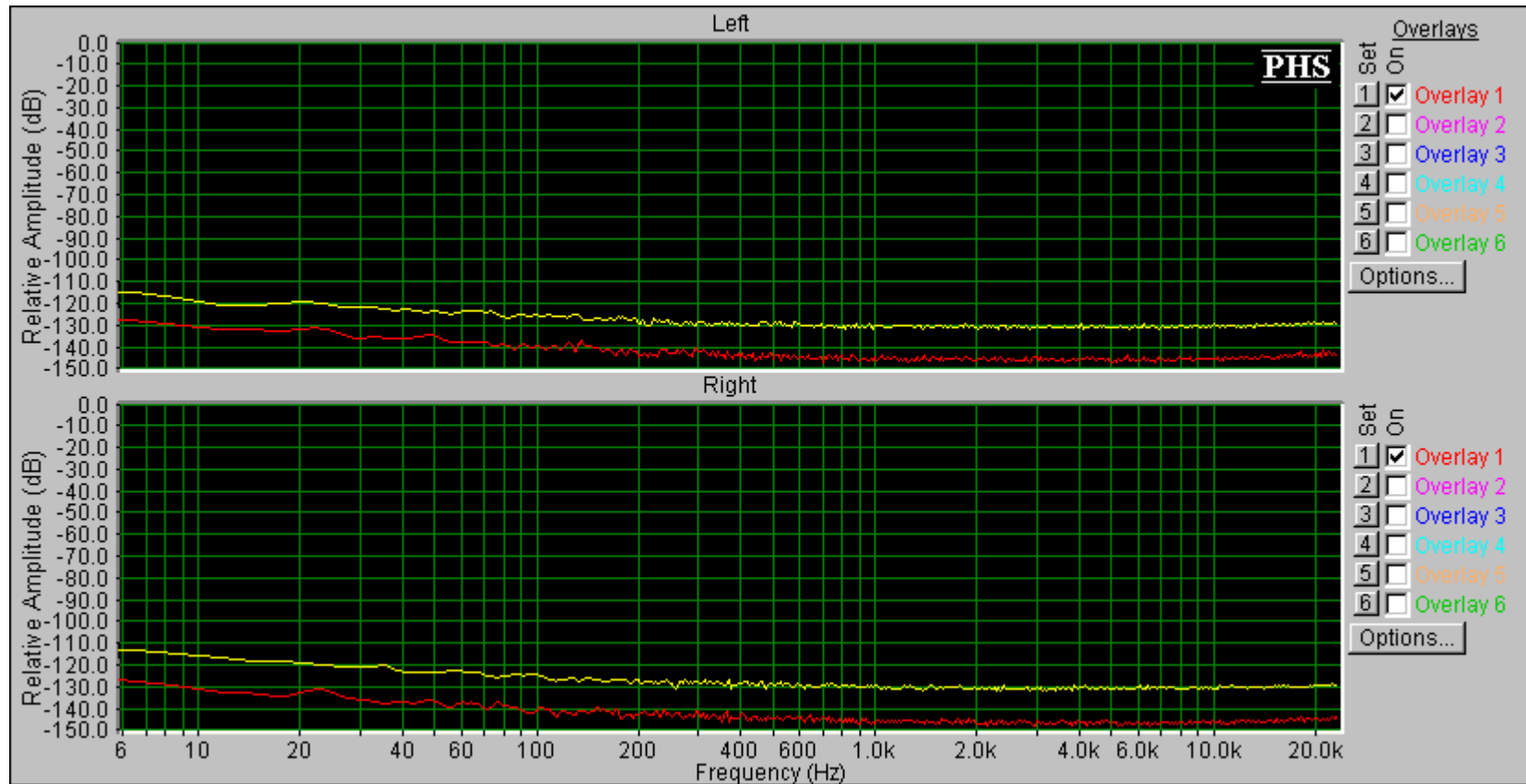
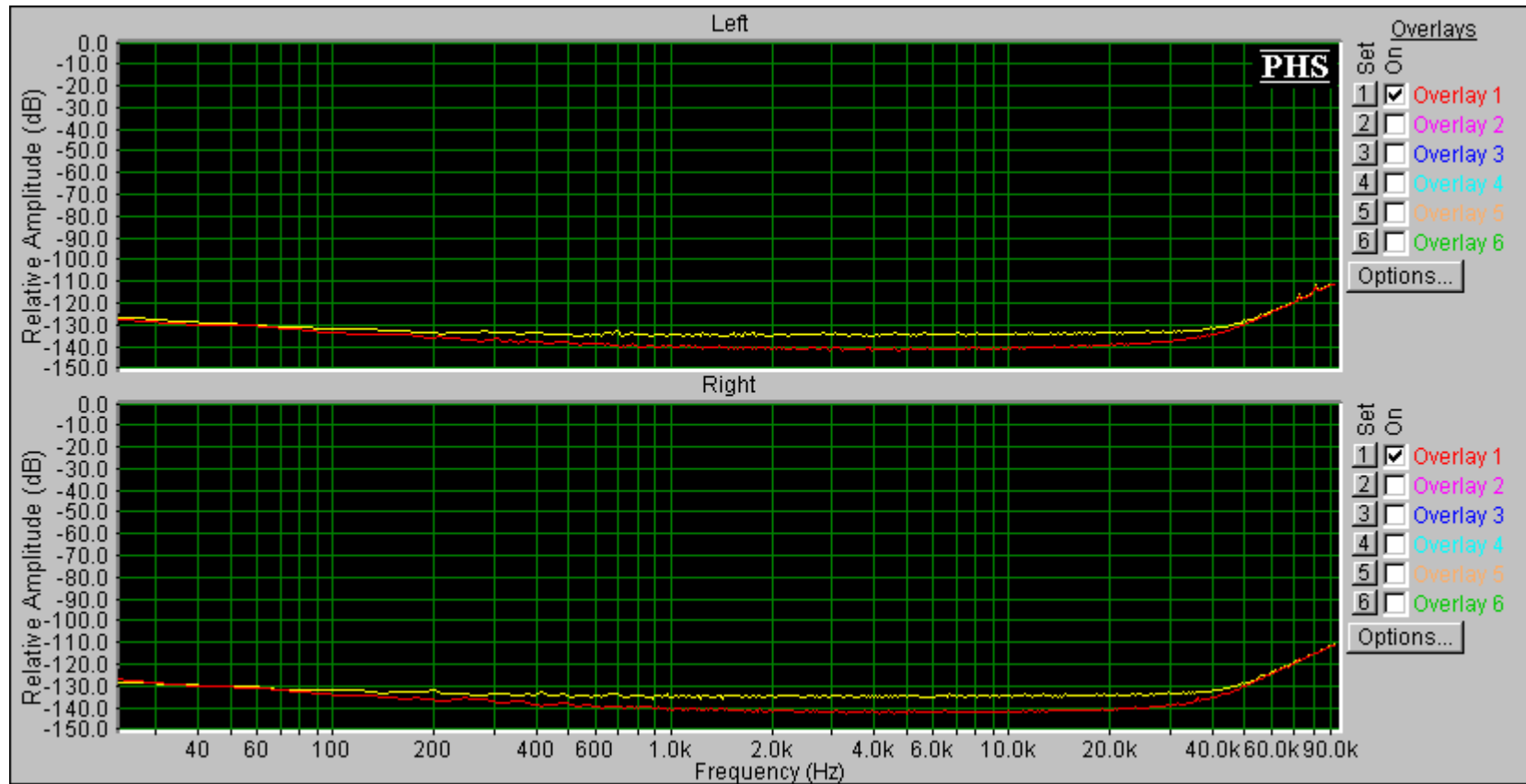


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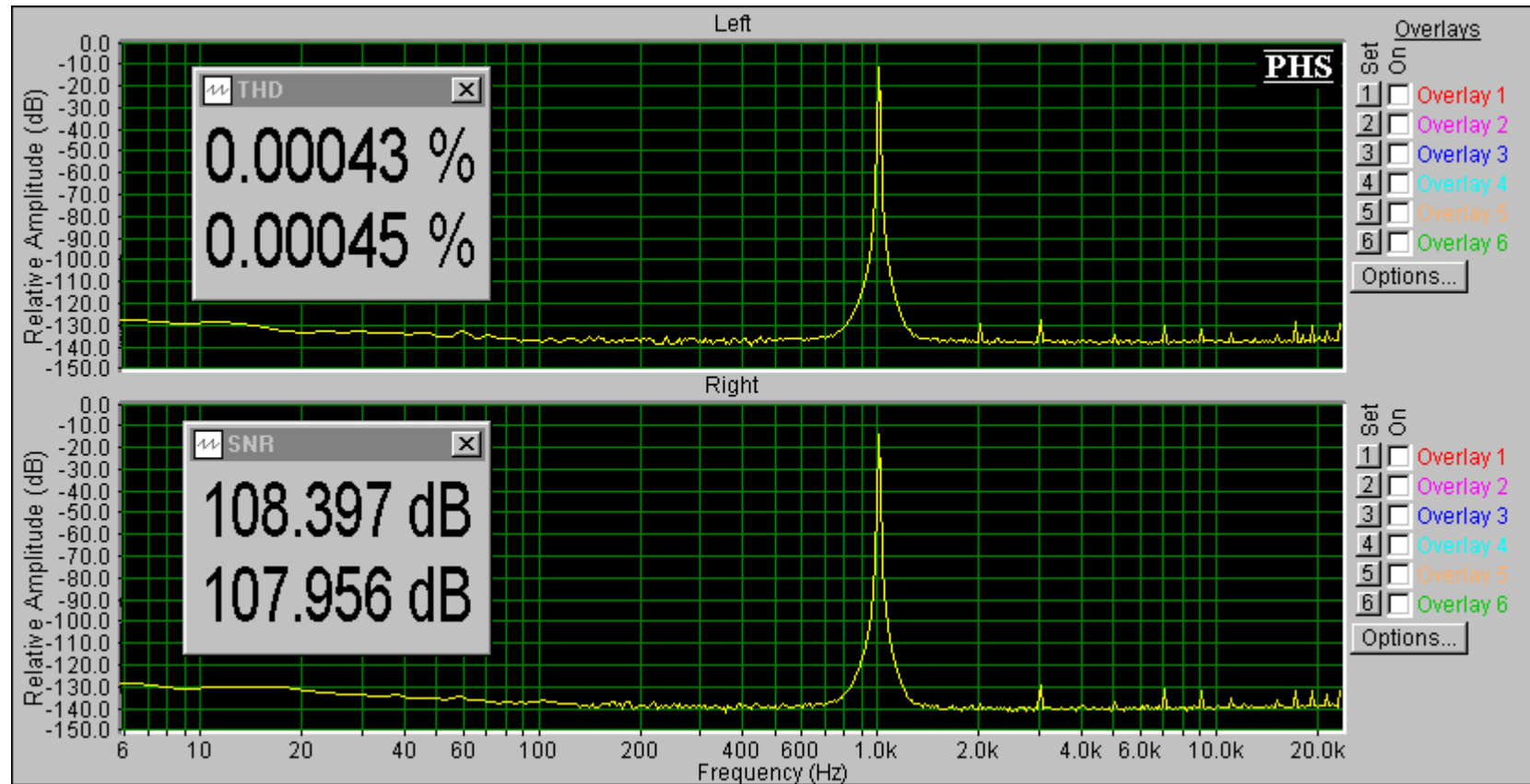
This plot shows the noise floor with no signal connected. A sampling rate of 48kHz and a 16384 pt FFT size was used. The red trace is with 24 bit, the yellow trace is with 16 bit.



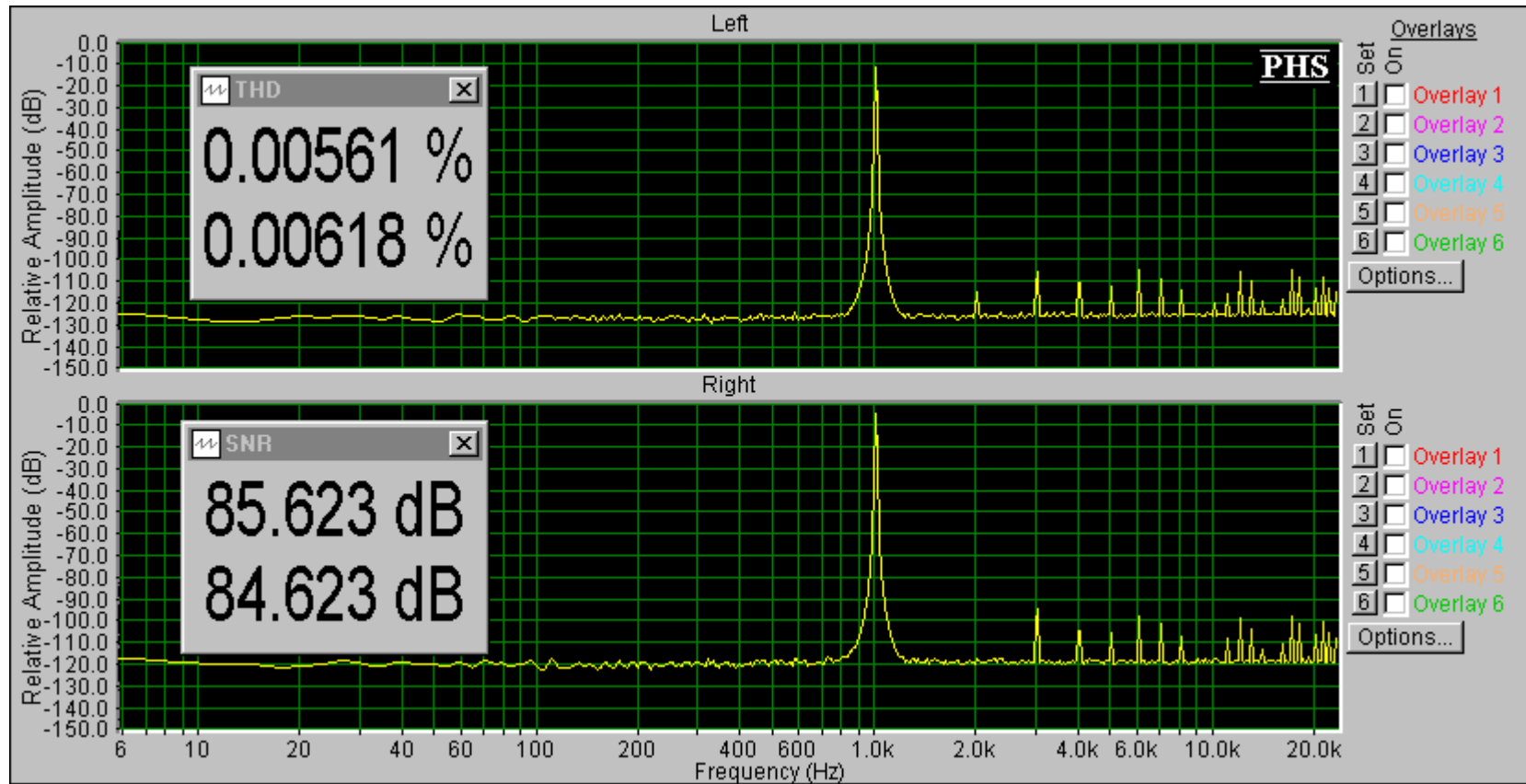
The plot below is the same as above but with a sampling rate of 192kHz.



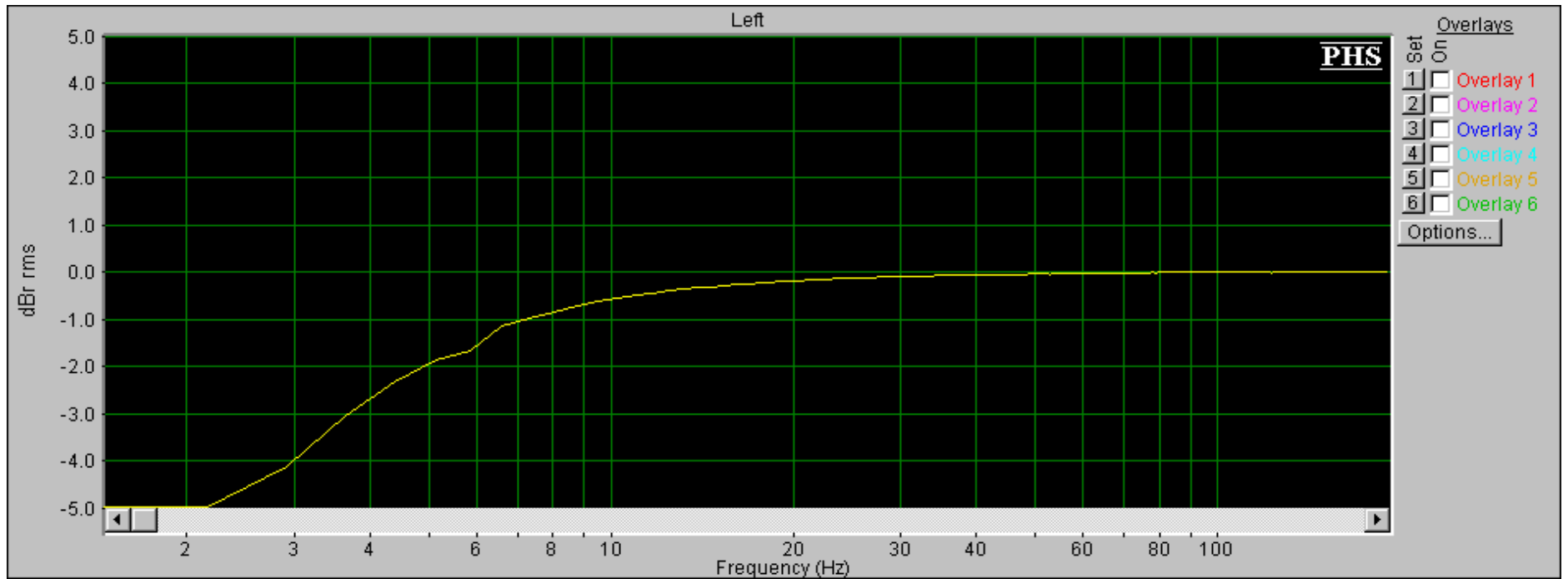
This plot shows the THD and SNR at 24 bit/48 kHz. This was a full loopback self test using the signal generator utility from SpectraPLUS.

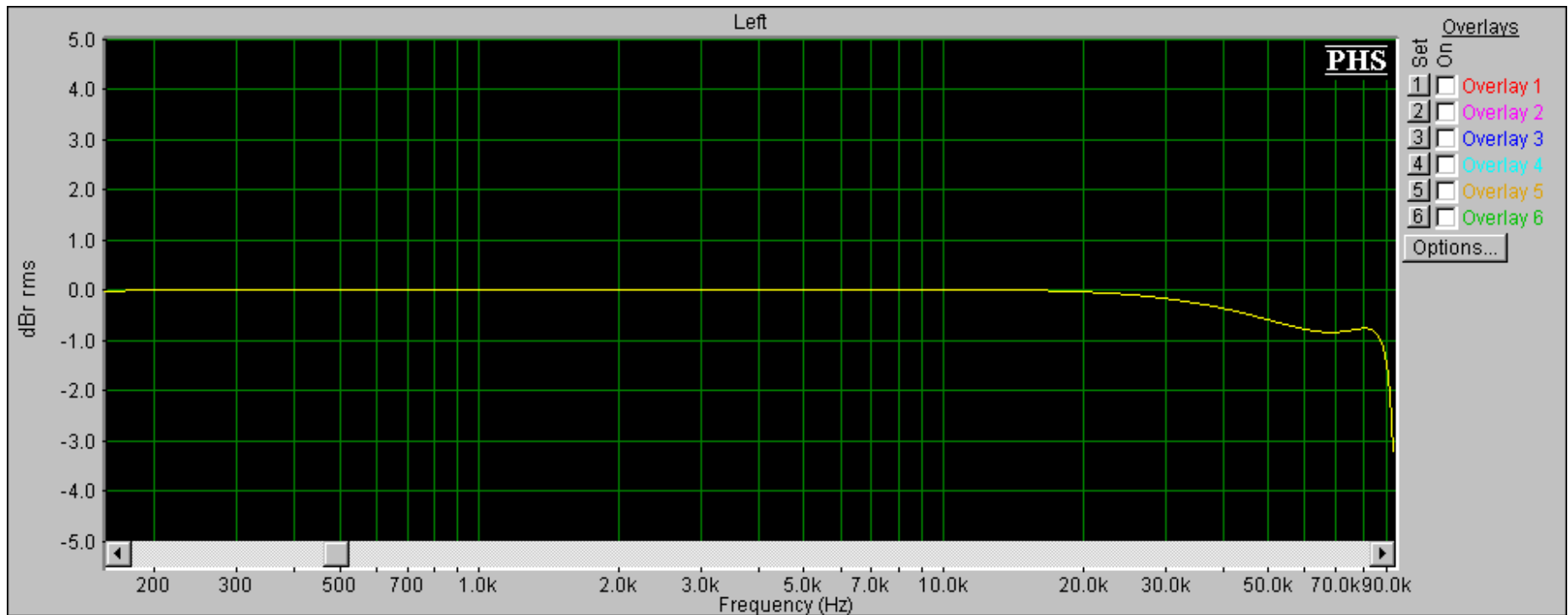


This is the same THD test but with 16 bit sampling precision.



The next two plots show the frequency response.





Operational Notes:

- ◆ To run 24 bit at 192 kHz you must select stereo operation – if you want to run 192kHz mono you must use 16 bit.
- ◆ The sampling rates of 44100, 48000, 88200, 176400, and 192000 Hz are directly supported by the device hardware (internal crystal). You can use other rates but Windows will apply a Sampling Rate Conversion (SRC) algorithm and the resulting rate may not be accurate and may result in inaccurate frequency readings.
- ◆ You can maintain sampling rate accuracy by sticking with rates that are even multiples of the rate selected in the E-MU driver control panel. For example if you manually enter a rate of 11025 in the Settings dialog box for SpectraPLUS, make sure to select a rate of 44100 in the E-MU control panel.
- ◆ If you select one of the directly supported rates from SpectraPLUS, the rate on the E-MU control panel will automatically change to match once the device is started.