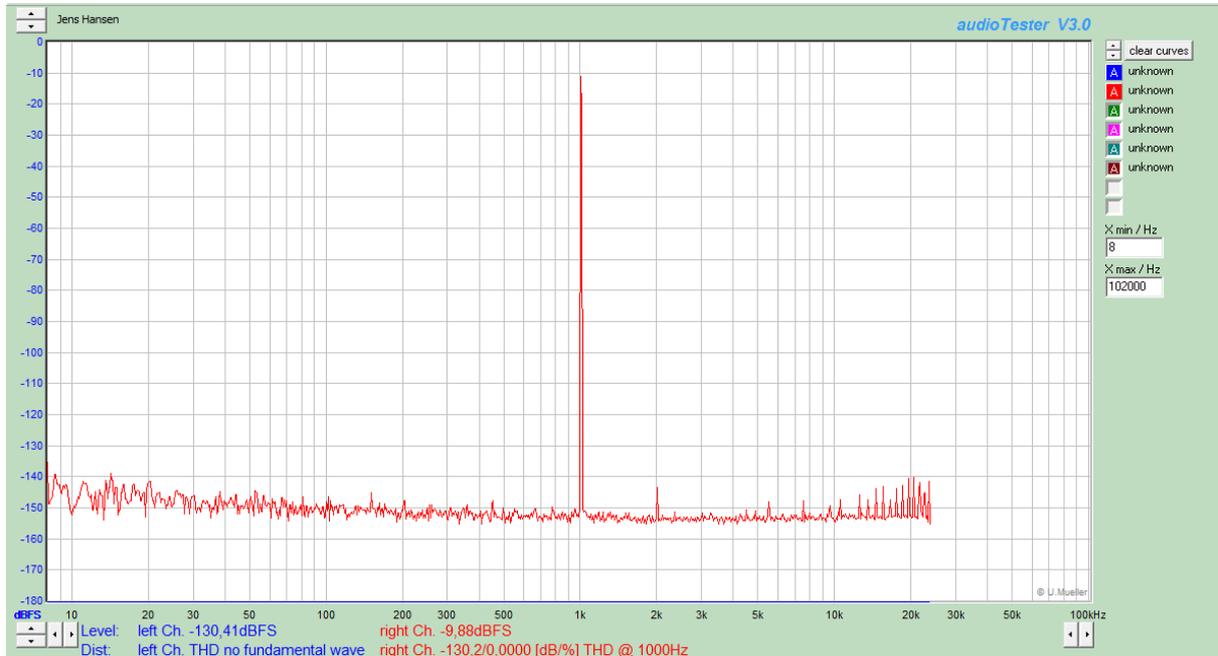


RTX Audio Analyzer Distortion

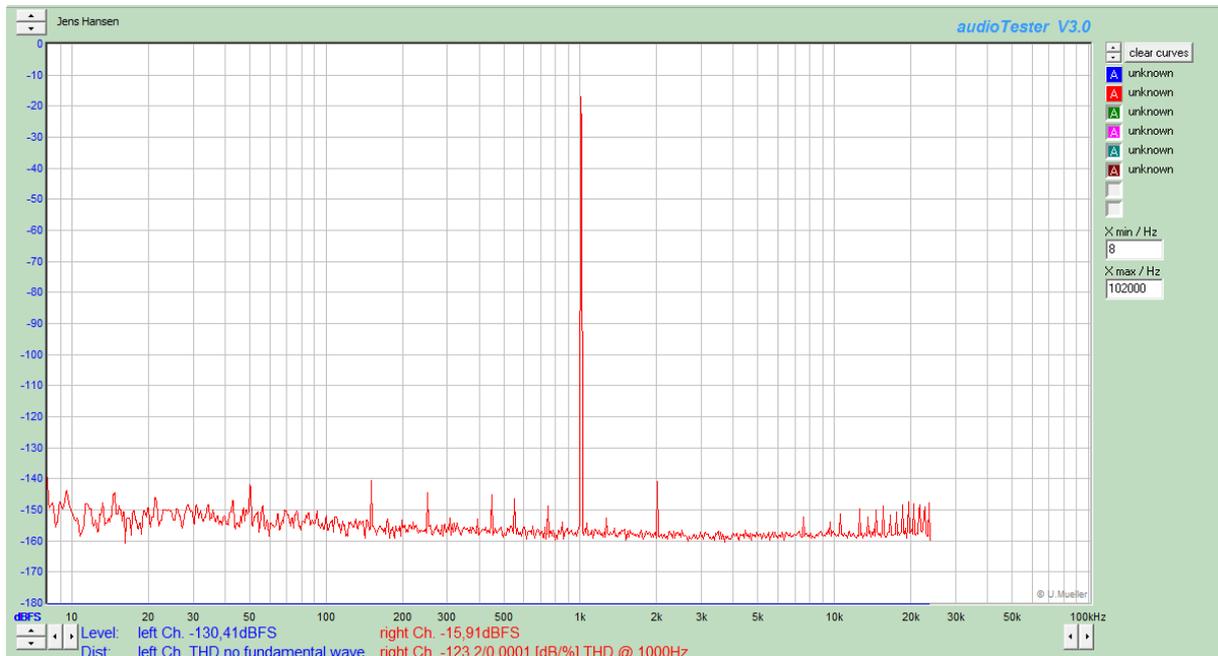
Balanced versus Unbalanced

1 kHz output at -20dBFS, 48 kHz sample rate, 512k FFT, average over 10. Unit no 9.

Balanced:



Unbalanced:



The distortion is somewhat higher with a single ended connection. This is most likely caused by the input section. The output section consists of two identical differential amplifier per channel. So the single ended output is simply one of the two outputs.

The single ended configuration has some more hum at 50 Hz and its harmonics.

RTX A/S

Ref. : JH

Doc. :

Distortion_bal_unbal_170114.docx

Date : 14-jan-2017

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Reviewed by: