

Chardonnay-SST

The Enclosed Plots

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Preliminary

All plots were taken by my Audio Analyzer HP8903B and plotted via my HP7035B.

Chardonnay_RIAA-corr01

This plot shows the basic performance of the PHONO-STAGE at its output to the volume control. Black = Left channel, red = right channel. Additionally, the built-in 30kHz Low Pass Filter (LPF) of the analyzer was switched on ⇨

- Top lines show f_{res} due to the RIAA-restoration-filter of the phono-stage CHARDONNAY. Behavior is absolutely perfect.
- Below lines show the deviation from ideal RIAA-curve. Maximum deviation is smaller than $\pm 0,1\text{dB}$.

Chardonnay_RIAA-corr02

This plot again shows the basic performance of the PHONO-STAGE at its output to the volume control when fed by a "Reverse RIAA-Filter". Though the characteristics of this filter is not 100% approved, you see a maximum deviation of $+0,6\text{dB}$ @ 200Hz and $-0,65\text{dB}$ @ 20kHz. Black = Left channel, red = right channel. Behavior is absolutely perfect.

Chardonnay_RIAA-bassdef

This plot shows my attempts to remove or better say to reduce the "Bass Defect" of typical vinyl recordings. This plot is taken right after the first part of the two-stage RIAA-restoration-filter. Meant is to cancel the bass cut below 50Hz, which spares cut able area on the LP but makes it clearly inferior to digital media. The lower line comes from a test LP while the upper line derives from a generator input of the same value. Black = Left channel, red = right channel. Additionally, the built-in 30kHz Low Pass Filter (LPF) of the analyzer was switched on.

If you have any further question, you can contact me via eMail.

PROJEKT:

RIAA - SST Prototyp

RIAA

End-
punkt

+2dB

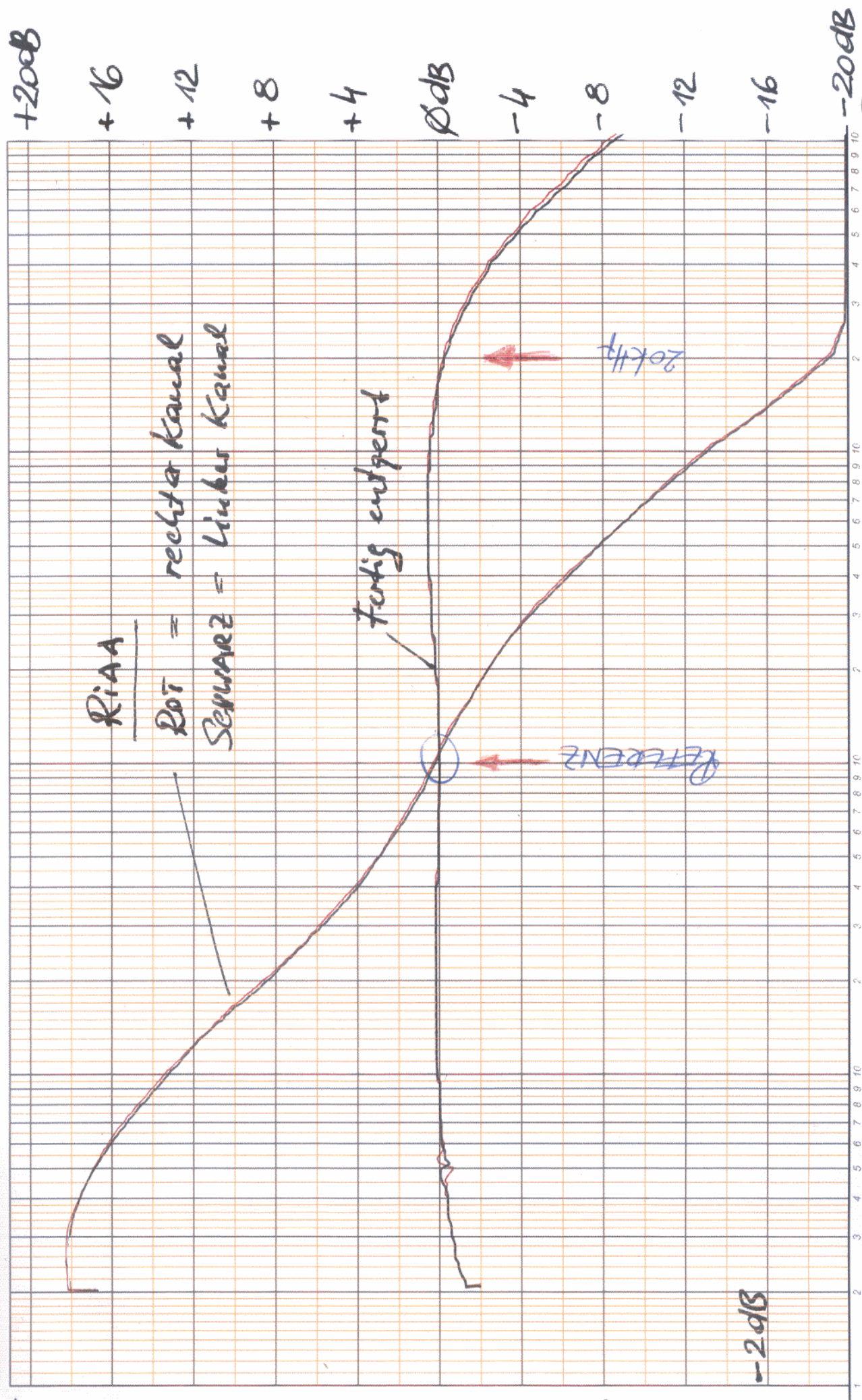
+1dB

0dB

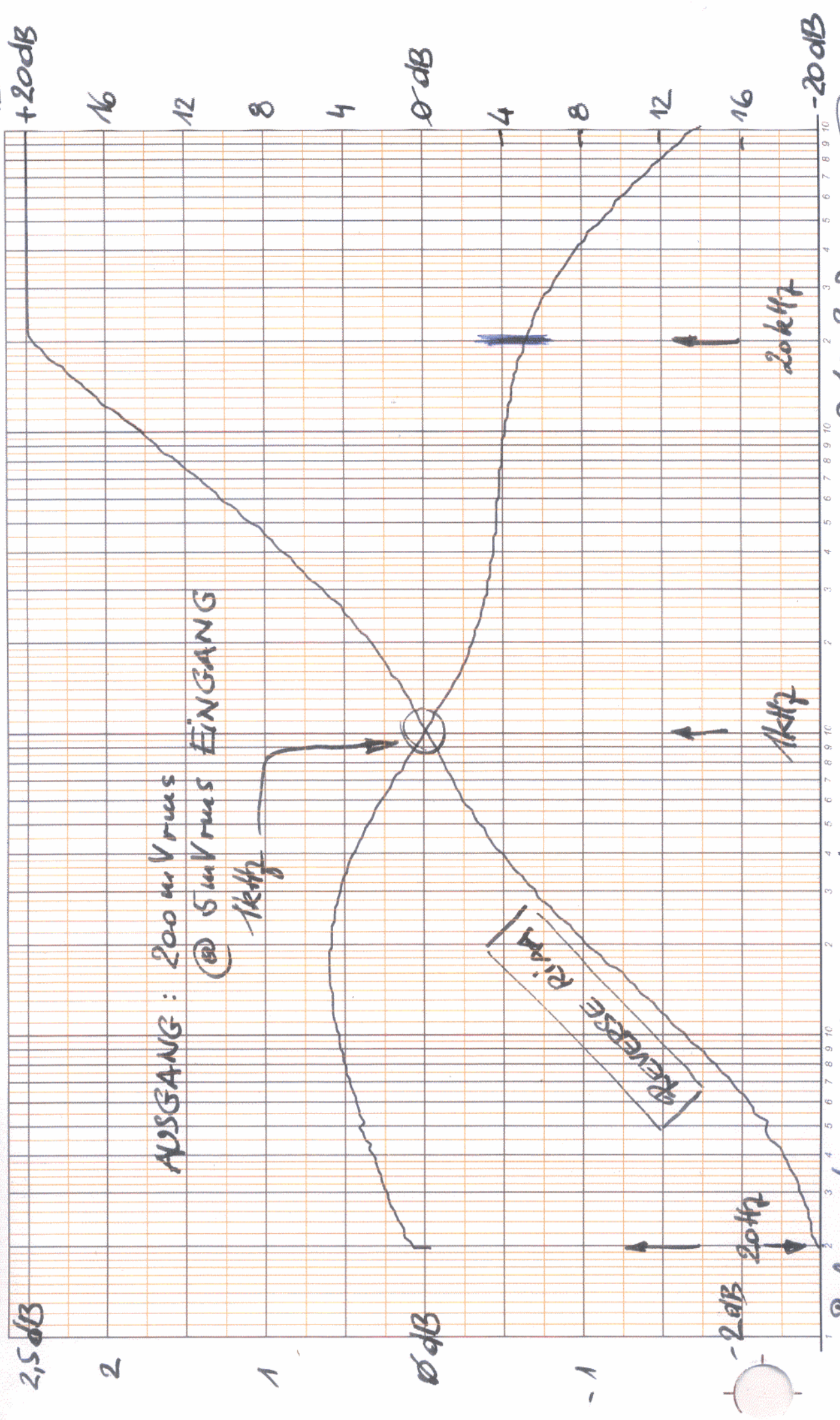
-1dB

-2dB

LPF 30 kHz = Ein



Datum: 08/03/2022 Signum: BEG



Referenzkurve: Reverse RiAA
ohne LPF; Generator 50 Hz

PROJEKT: RIAA - SST PROTOTYP

