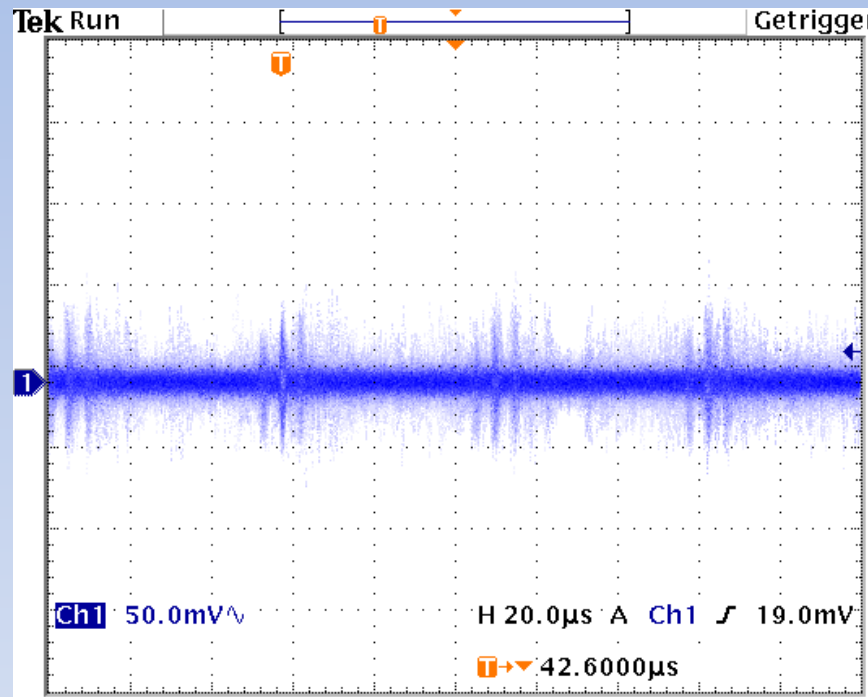


Magnet power supply measurements

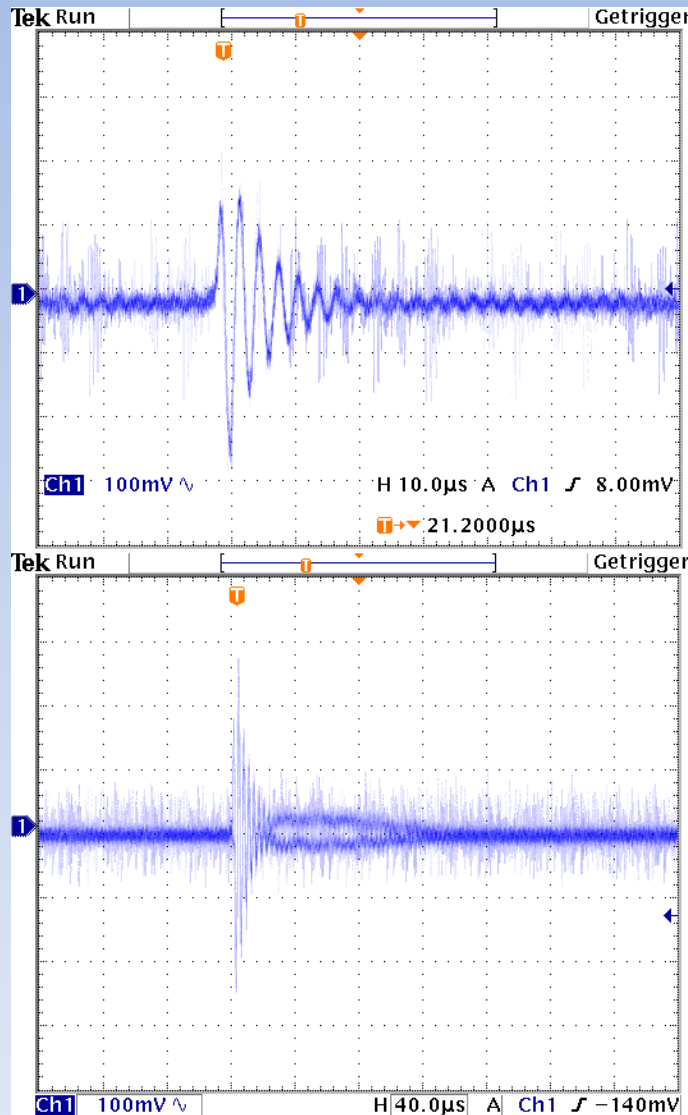
Status Report

Noise



- Ca. 20 kHz

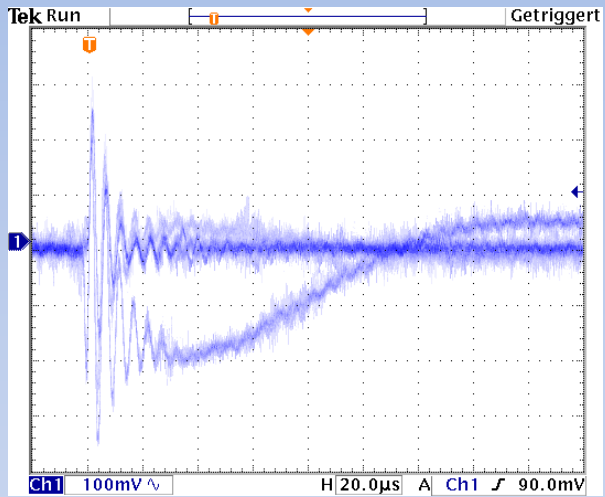
The usual signal



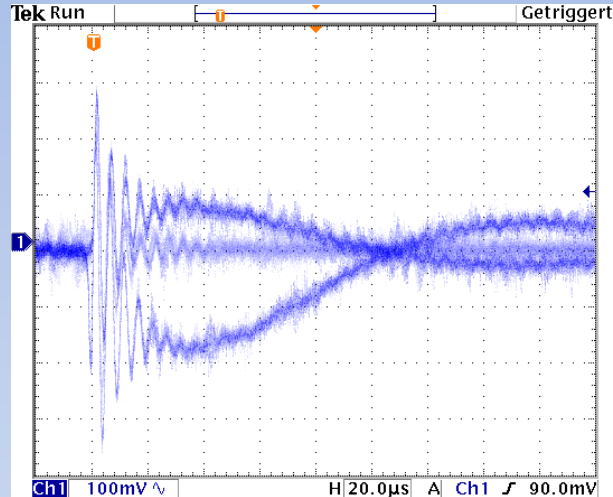
- Network frequency
- Approx. 30 us pulse
- Sometimes splitting up
- Varying in amplitude

Details

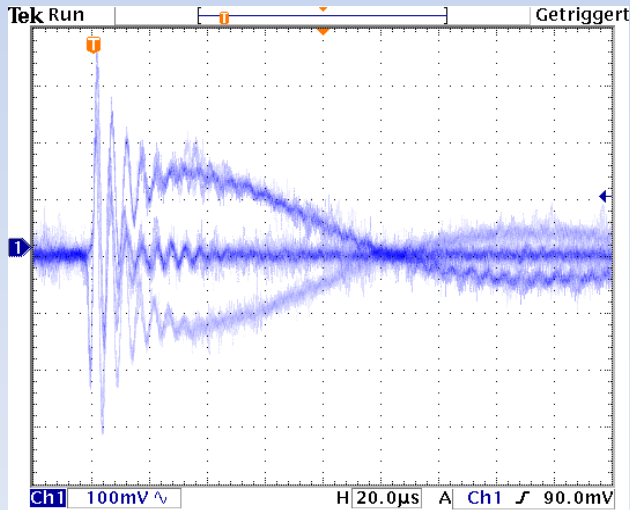
$I = 1,0 \text{ A}$



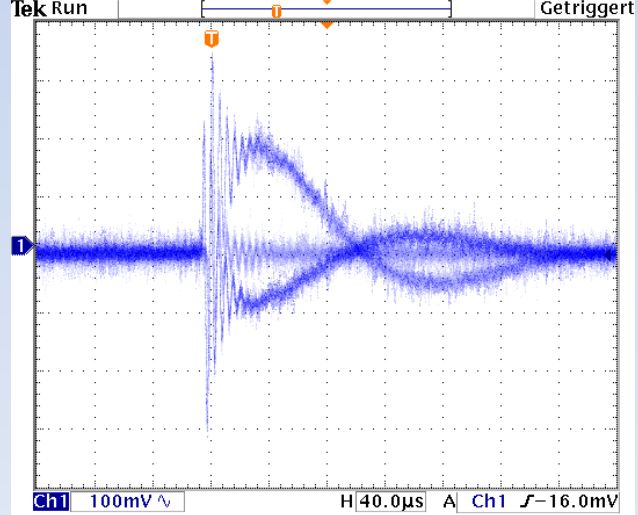
$I = 0,7 \text{ A}$



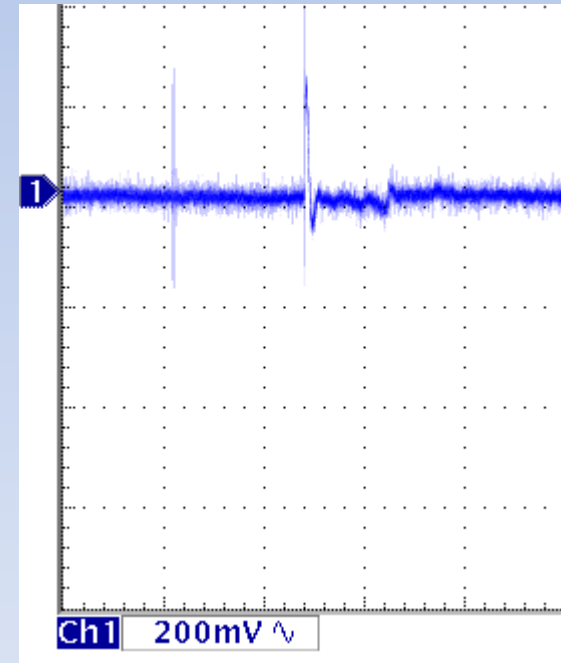
$I = 0,0 \text{ A}$



$I = -0,5 \text{ A}$

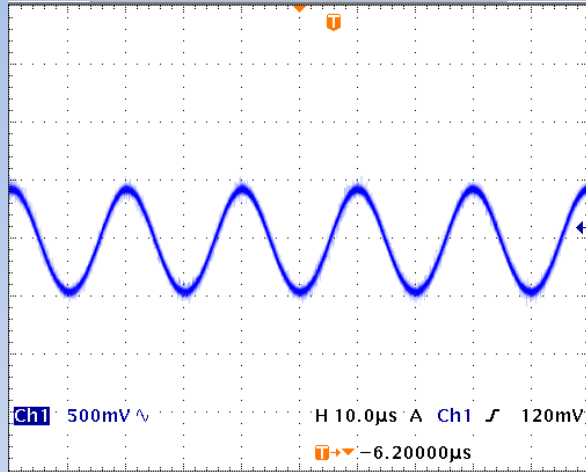


$dt = 2 \text{ ms}$

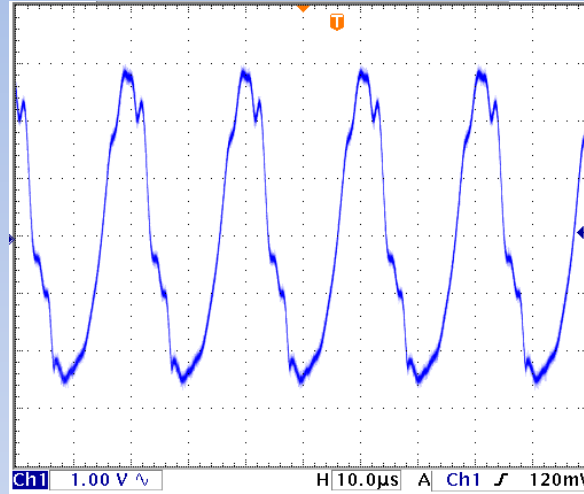


High1.ST3

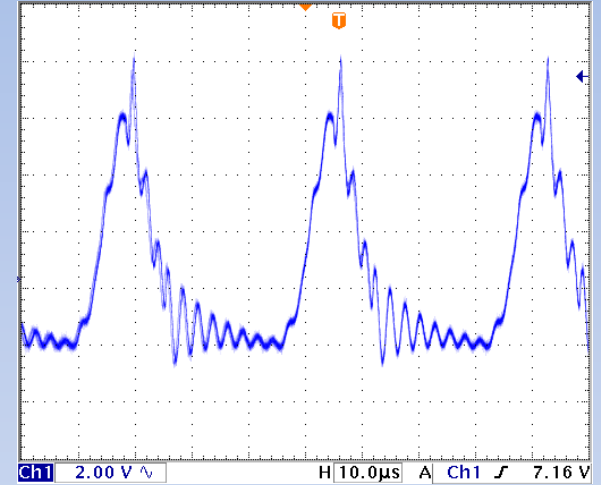
$I = -0,08 \text{ A}$



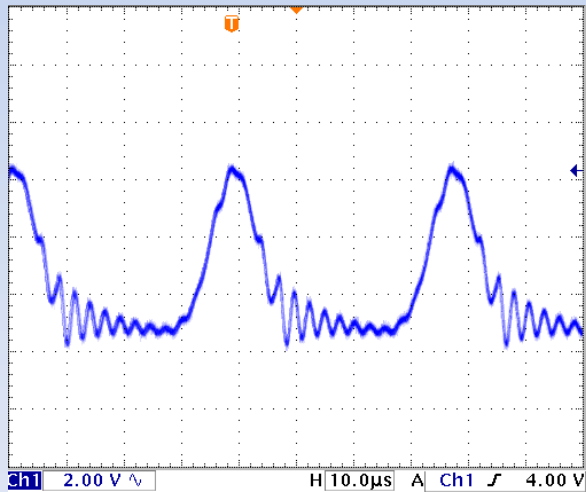
$I = -0,1 \text{ A}$



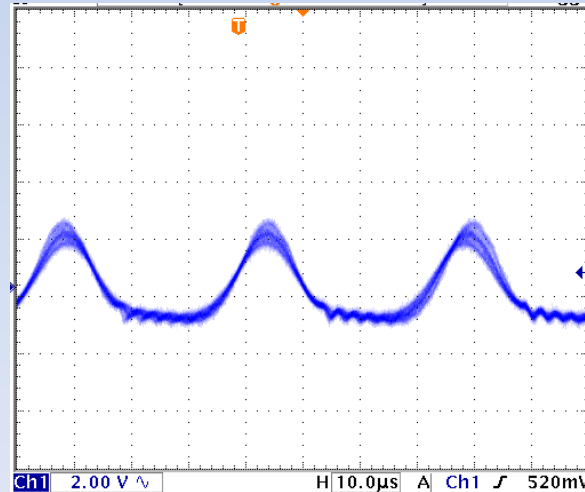
$I = -1,0 \text{ A}$



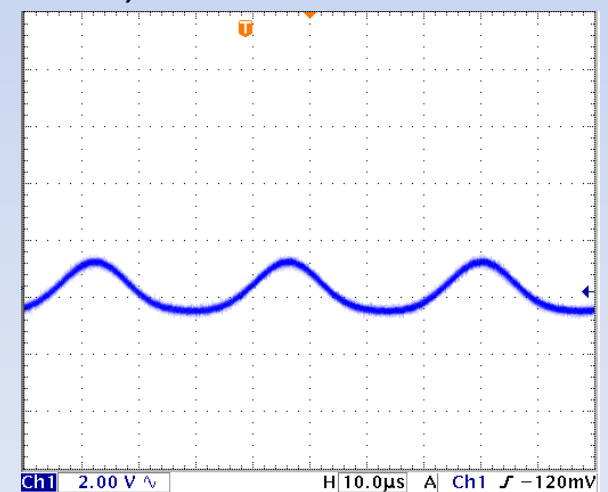
$I = -2,0 \text{ A}$



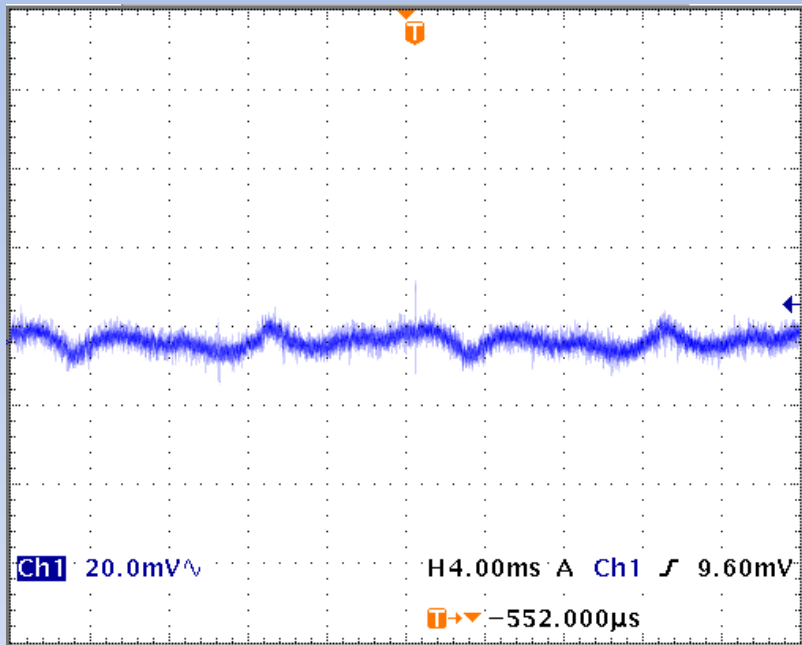
$I = -2,5 \text{ A}$



$I = -3,0 \text{ A}$



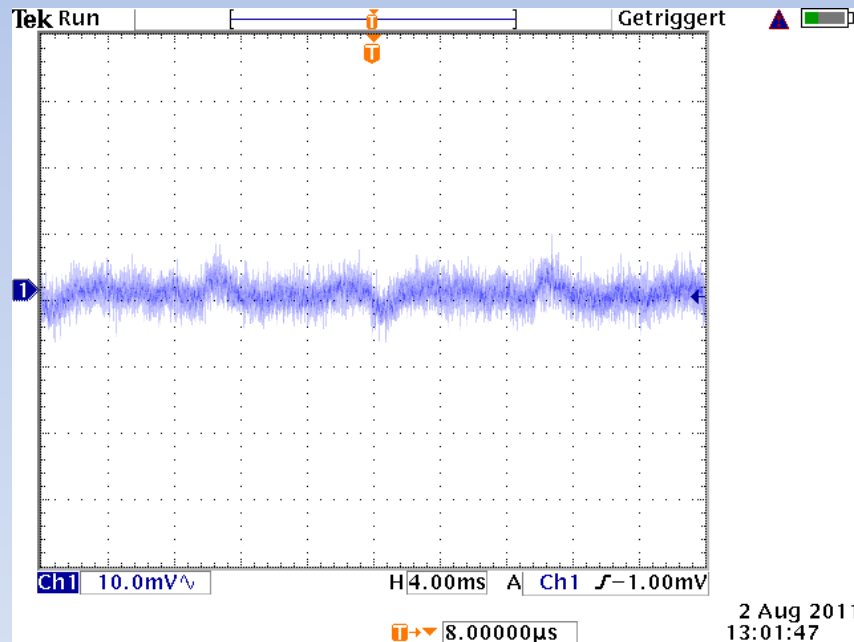
LOW.ST4 / 5 / 6



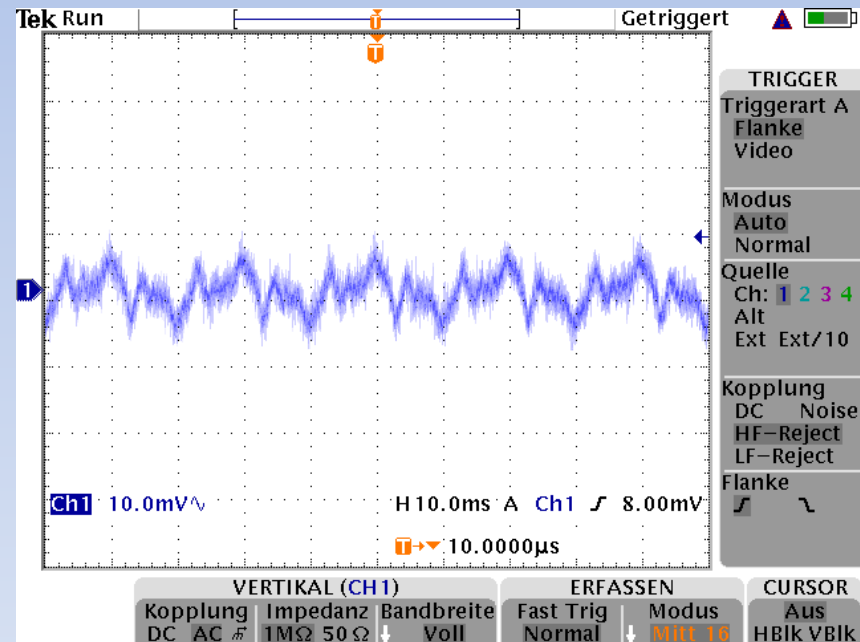
- Very low amplitude
- Network frequency

*averaged

Interaction between power supplies



LOW.ST3 only



LOW.ST3 with
surrounding power
supplies switched on