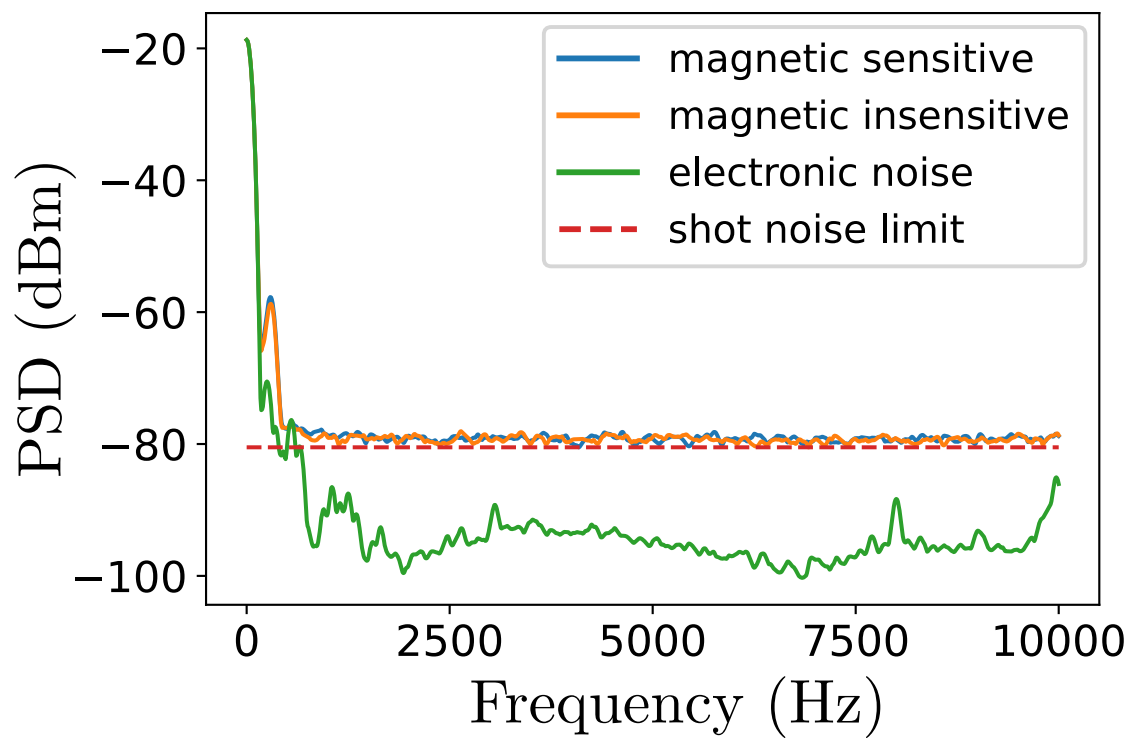


Low pass filter  $\tau = 3 \text{ ms}$   $\sqrt{\langle \delta B^2 \rangle} \approx 1.2 \mu\text{T}$

$\rightarrow$  sensitivity  $\eta = \sqrt{2\tau \langle \delta B^2 \rangle} \approx 116 \text{ nT}/\sqrt{\text{Hz}}$



Shot noise limited  
for  $f_{\text{mod}} > 500 \text{ Hz}$