Comments on previous measurements:

The absorption peak is measured by varying the modulation of the magnetic field, for which fine tuning is much easier.

The frequency can only be tuned in steps of $\approx$ 0.05 MHz.

Absorption was seen only in a range of $\Delta I < 0.01$ A, i.e. changing I such that the last digit displayed changed, was already far out of the range where absorption peaks were visible.

$\Rightarrow$ Fine tuning becomes somewhat useless, as the error on the measured values is much higher than the difference between "absorption" & "no absorption".

On stability: • The frequency was relatively stable (fluctuations by ± 0.0001 MHz, in the last digits displayed.

• The current dropped over time, as the coil becomes became warmer (U stable).

• Rate of dropping: $\left.\frac{\Delta I}{\Delta t}\right|_{U\,\text{stable}} \approx \frac{0.01}{10\,\text{min}}$

• Most of the time measuring, the air cooling of the main field was on.