Radiation frequency, $f = 45\,MHz$
= cyclotron frequency.

$$f_{cyc} = \frac{qB}{2\pi m} = \frac{eB}{2\pi m}$$

So: $B = \dfrac{2\pi f_{cyc} m}{e}$ $\quad m = 9.11 \times 10^{-31}\,kg$ (electron mass)

$$= 0.00161\ T$$