

$$v = 243 \frac{m}{s} \quad \lambda = 3.27cm = 0.0327m$$

We know, that period can be found as  $T = \frac{\lambda}{v} = \frac{0.0327m}{243m/s} = 134.5 \cdot 10^{-6}s = 134.5microsec$

The frequency is inverce to period:  $f = \frac{1}{T} = \frac{1}{134.5} \cdot 10^6 = 7435Hz = 7.435kHz$