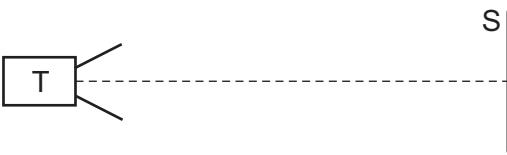


27 T is a microwave transmitter placed at a fixed distance from a flat reflecting surface S.



A small microwave receiver is moved from T towards S and receives signals of alternate maxima and minima of intensity.

The distance between one maximum and the next is 15 mm.

What is the frequency of the microwaves?

- A** 1.0×10^7 Hz
- B** 2.0×10^7 Hz
- C** 1.0×10^{10} Hz
- D** 2.0×10^{10} Hz