

- 3 A radio aerial of length L emits a signal of wavelength λ and power P when the current is I . These quantities are related by

$$P = kI^2 \left(\frac{L}{\lambda} \right)^2$$

where k is a constant.

Which unit, if any, should be used for the constant k ?

- A volt
- B ohm
- C watt
- D no unit