

Act 2: Counting photons

Which emits more photons, a 1-mW cell phone ($f = 830 \text{ MHz} \rightarrow \lambda = 0.36 \text{ m}$) or a 1-mW laser ($\lambda = 635 \text{ nm}$)?

- a) Laser emits more
- b) They emit the same number
- c) Cell phone emits more