



$$\underline{440 \text{ Hz}}$$

$$\rightarrow 2273 \mu\text{s}$$



$$100 \text{ MHz} \rightarrow \text{100 pulses per } \mu\text{s}$$



$$1136 \mu\text{s} @ 100 \text{ MHz} \rightarrow 113.600 \text{ pulses}$$

$$\log_2(113.600) \rightarrow 17 \text{ bits}$$



