

Assume

i) we can add an invert bit means the activity factor is 0.5

ii) a four die stack and an adjustment for additional receivers per die

$$\text{Maximum Power per Stack} = \frac{J}{\text{bit/cycle}} \cdot \frac{\text{bits}}{\text{port}} \cdot \frac{\text{ports}}{\text{stack}} \cdot \frac{\text{cycles}}{\text{sec}} \cdot \text{ActivityFactor} = 0.2 \cdot 10^{-12} \cdot 2048 \cdot 64 \cdot 10^9 \cdot 0.5 = 13.1W \text{ per 4 die stack}$$