$Ptx := 17$ TX power [dBm] CM09CPUS

$Ga := 3.0$ Antenna gain [dBm] 2450AT45A100 Johanson Technology

$d := 0.2$ Distance [m]

$EiRP := Ptx + Ga$ [dBm]

$eIrp := 10^{\frac{EiRP-30}{10}}$ [W]

$PD(d) := \frac{eIrp}{4\pi \cdot d^2}$ [W/m^2]

$pd(d) := PD(d) \cdot \frac{1000}{10000}$ [mW/cm^2]

$pd(0.2) = 0.02$ [mW/cm^2]

limit power density: 1 mW/cm^2