Calculation: RF-Exposure

Model family name: **cB-0941-02**
FCC ID: **PVH0941**

In accordance to: **CFR Part 47 §1.1310**

The maximum permissible exposure defined in 47 CFR 1.1310 is 10 W/m².

The MPE level at 0.2 m distance is calculated using the equation:

$$S = P*G / 4\pi R^2$$

Operating at 2412 – 2462 MHz

Pmax = 0.0676 W [18.3 dBm]
G = 2.0 [3 dBi](linear power gain relative to the isotropic radiator)
R = 0.20 m

Solving for S, the power density at 0.2 m is 0.269 W/m².
This is well below the 10 W/m² MPE limit for "General population / Uncontrolled Exposure".

Operating at 5180 – 5240 MHz

Pmax = 0.0083 W [9.2 dBm]
G = 2 [3 dBi] (linear power gain relative to the isotropic radiator)
R = 20 cm

Solving for S, the power density at 20 cm is 0.033 W/m².
This is well below the 10 W/m² MPE limit for "General population / Uncontrolled Exposure".