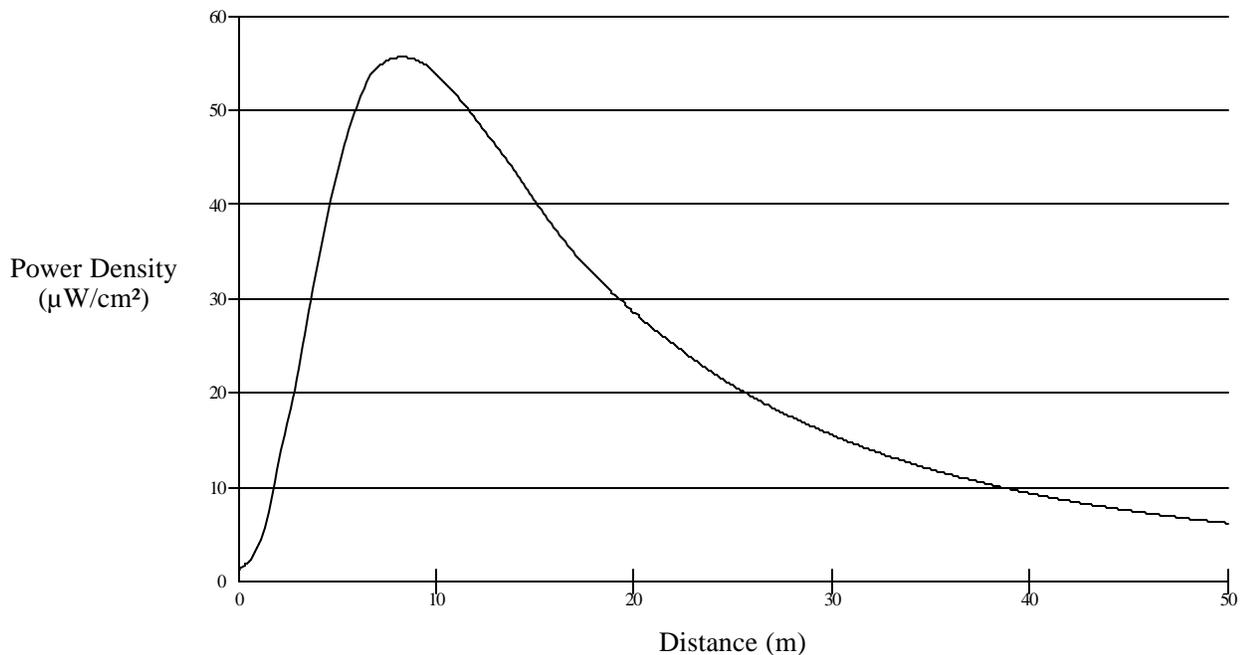


ENVIRONMENTAL IMPACT

The Applicant proposes to mount its antenna with the center of radiation at 10 meters above ground level. Figure 1. below, shows the maximum power density produced by the proposed facility at a point 2 meters above ground is 55.622 $\mu\text{W}/\text{cm}^2$, 27.8 percent of the 200 $\mu\text{W}/\text{cm}^2$ ANSI limit for uncontrolled general population exposure. Therefore, this proposal complies with ANSI standards.

Power Density vs Distance



Distance: 50 (m)

Horizontal ERP 250 (w)

Vertical ERP 250 (w)

Antenna Height 10 (m)

Antenna Type: Shively 6810 Number of Elements: 1, Spacing 1

The maximum power density was found to be 55.62240 $\mu\text{W}/\text{cm}^2$ @ 8.3 meters.