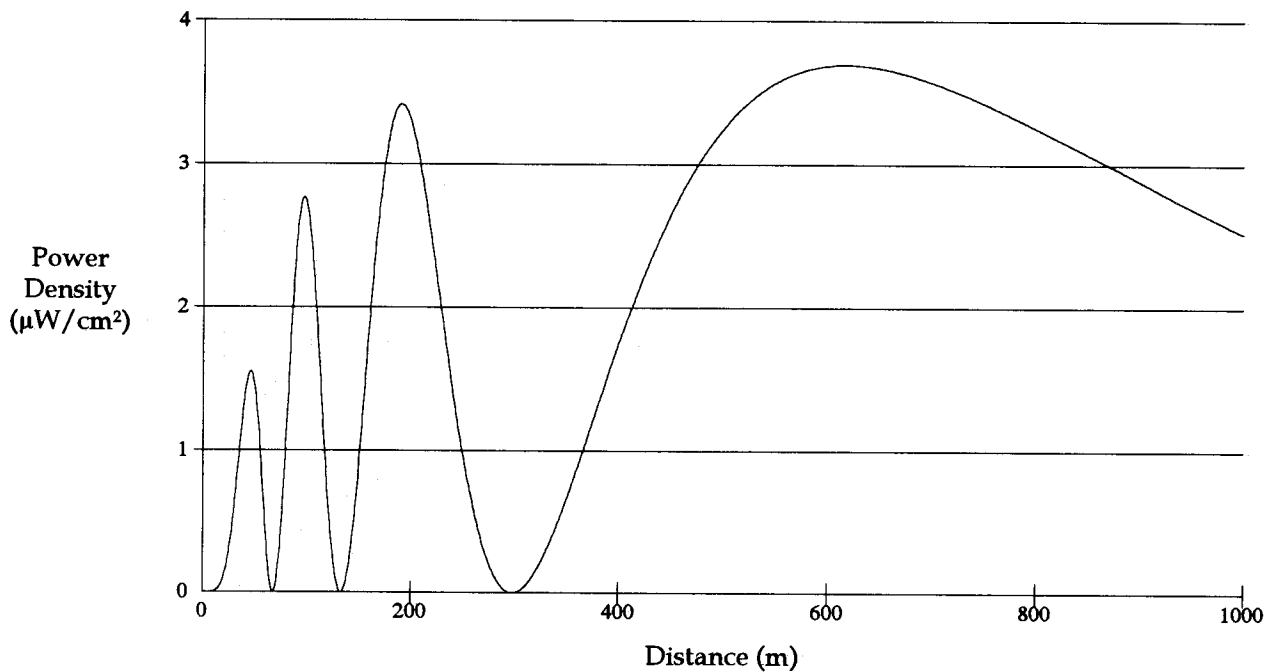


Power Density vs Distance



Ground-Level NIER Analysis

OET FMModel

**KMXS(FM) Anchorage, AK**

Antenna Type: ERI "rototiller"

Number of Elements: 8

Element Spacing: 0.5 wavelength

Distance: 1000 meters

Horizontal ERP: 51 kilowatts

Vertical ERP: 51 kilowatts

Antenna Height: 79 meters AGL

Maximum Power Density is 3.7  $\mu\text{W}/\text{cm}^2$  at 617 meters from the antenna structure.

Hatfield & Dawson Consulting Engineers