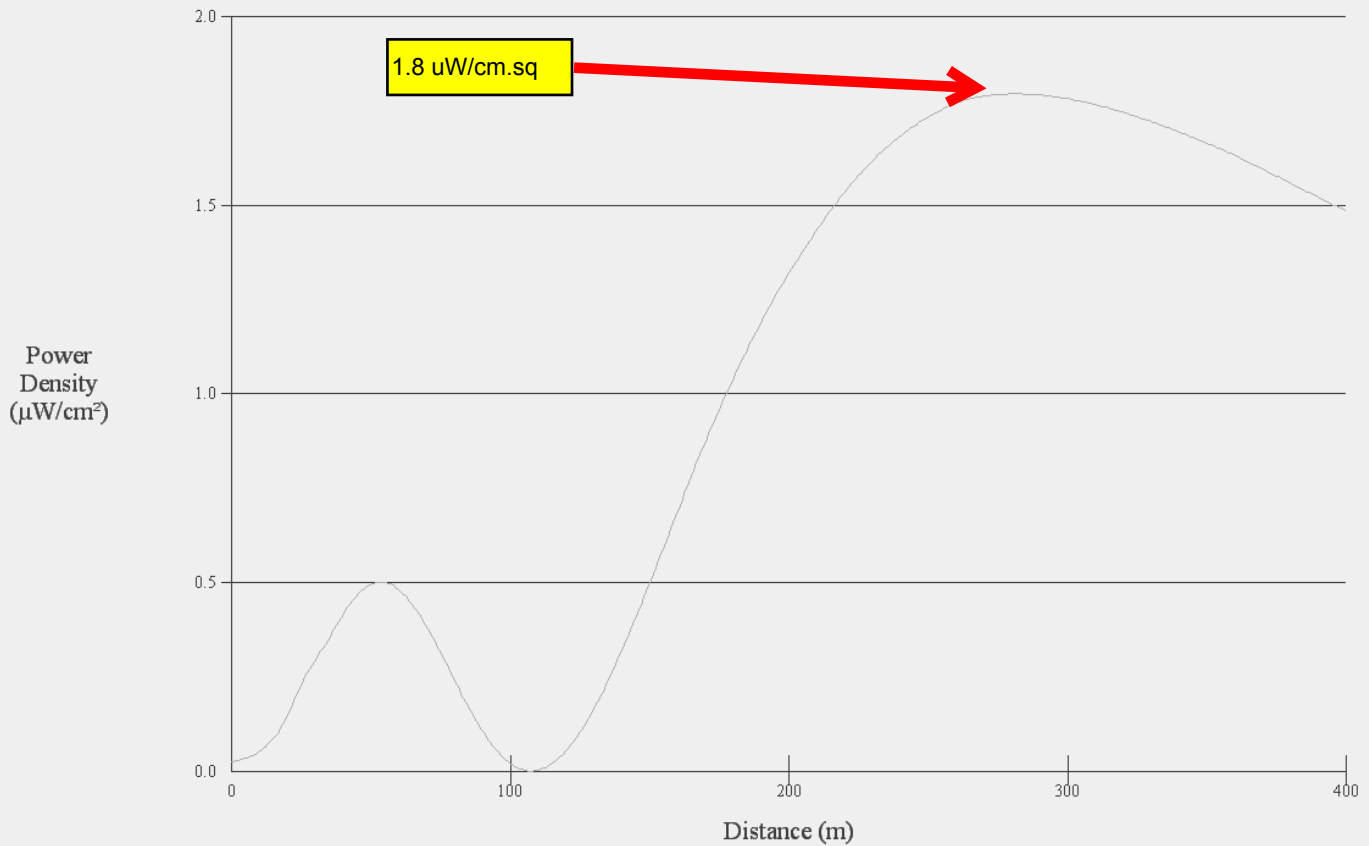


Power Density vs Distance



Office of Engineering and Technology

Distance (m): 400 Antenna Type: Shively 6800 series

Horizontal ERP (W): 6000 Number of Elements: 3

Vertical ERP (W): 6000 Element Spacing: .5

Antenna Height (m): 98.1

Update Graph

The above plot is for a 3 bay half-wave Shively antenna. This antenna will be used by the proposed operation of WAFC-FM with a 6 kW ERP. The RF contribution at 2 meters above the ground will be less than 2 $\mu\text{W}/\text{cm.sq}$ or 0.2% of the controlled limit. This is well below even the public exposure limit of 200 $\mu\text{W}/\text{cm.sq}$.

WAFC-FM is categorically excluded from having to conduct a complete evaluation since it is less than 1%.



FIGURE 5 - RF EXPOSURE ANALYSIS

(6 kw facility is categorically excluded)

WAFC-FM - Palm Beach Garden, Florida
January 2007