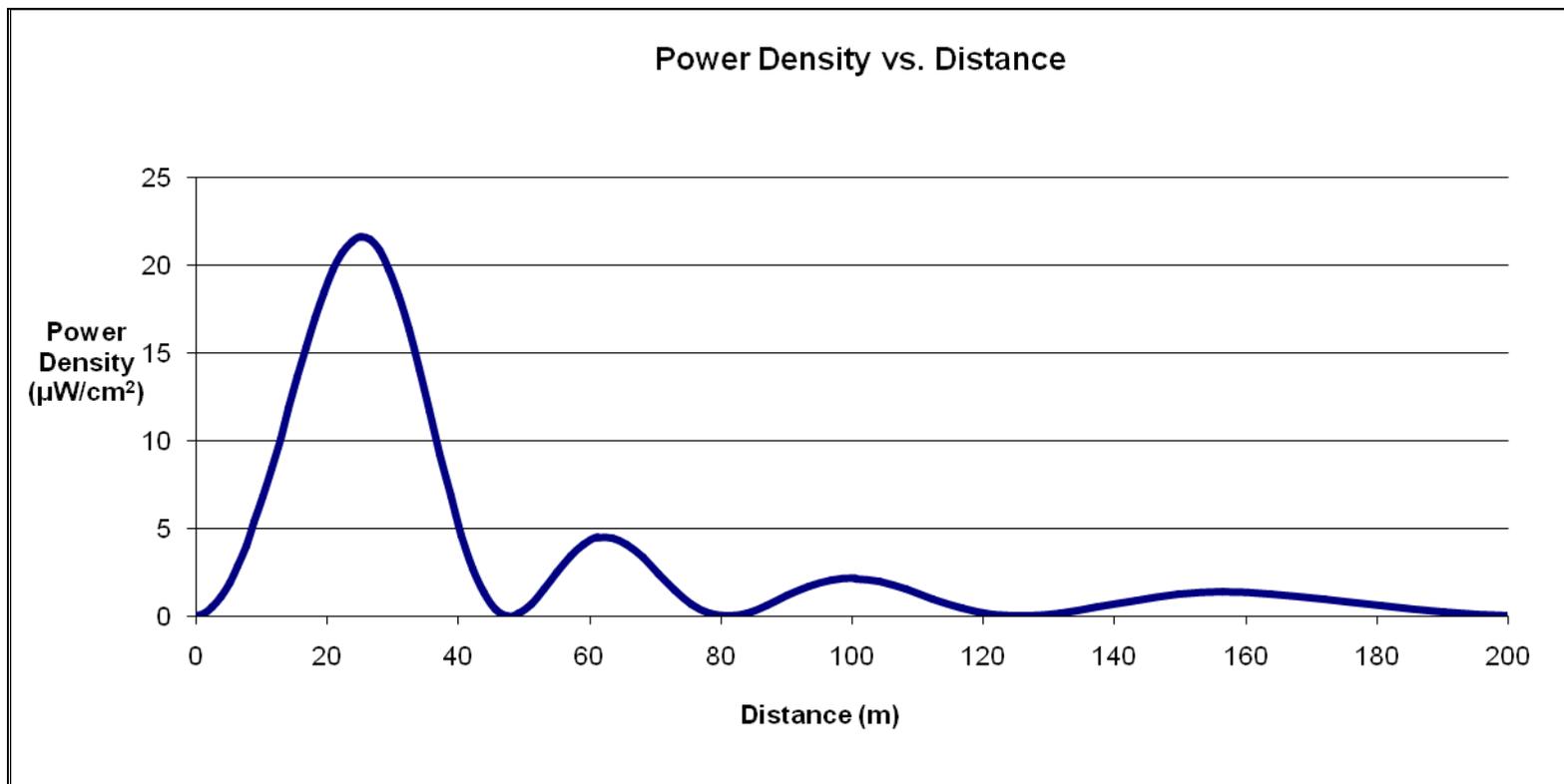


Human Exposure Study for KPNC
Using the Shively 6810-6D-DA Antenna



Distance (m): 200 Antenna Type: Shively 6810-6D-DA

Horizontal ERP (W): 25,000

Number of elements: 6

Vertical ERP (W): 25,000

Antenna Height (m): 75 m

Element spacing: 0.996

The maximum power density is $21.62 \mu\text{W}/\text{cm}^2$ at a distance of 25.1 meters from the tower.

When the value of $21.62 \mu\text{W}/\text{cm}^2$ is added to the KLOR human exposure value of $27.74 \mu\text{W}/\text{cm}^2$ (derived from RF Worksheet #1A, the combined maximum human exposure is $49.36 \mu\text{W}/\text{cm}^2$. This is well below the uncontrolled limit of $200 \mu\text{W}/\text{cm}^2$.