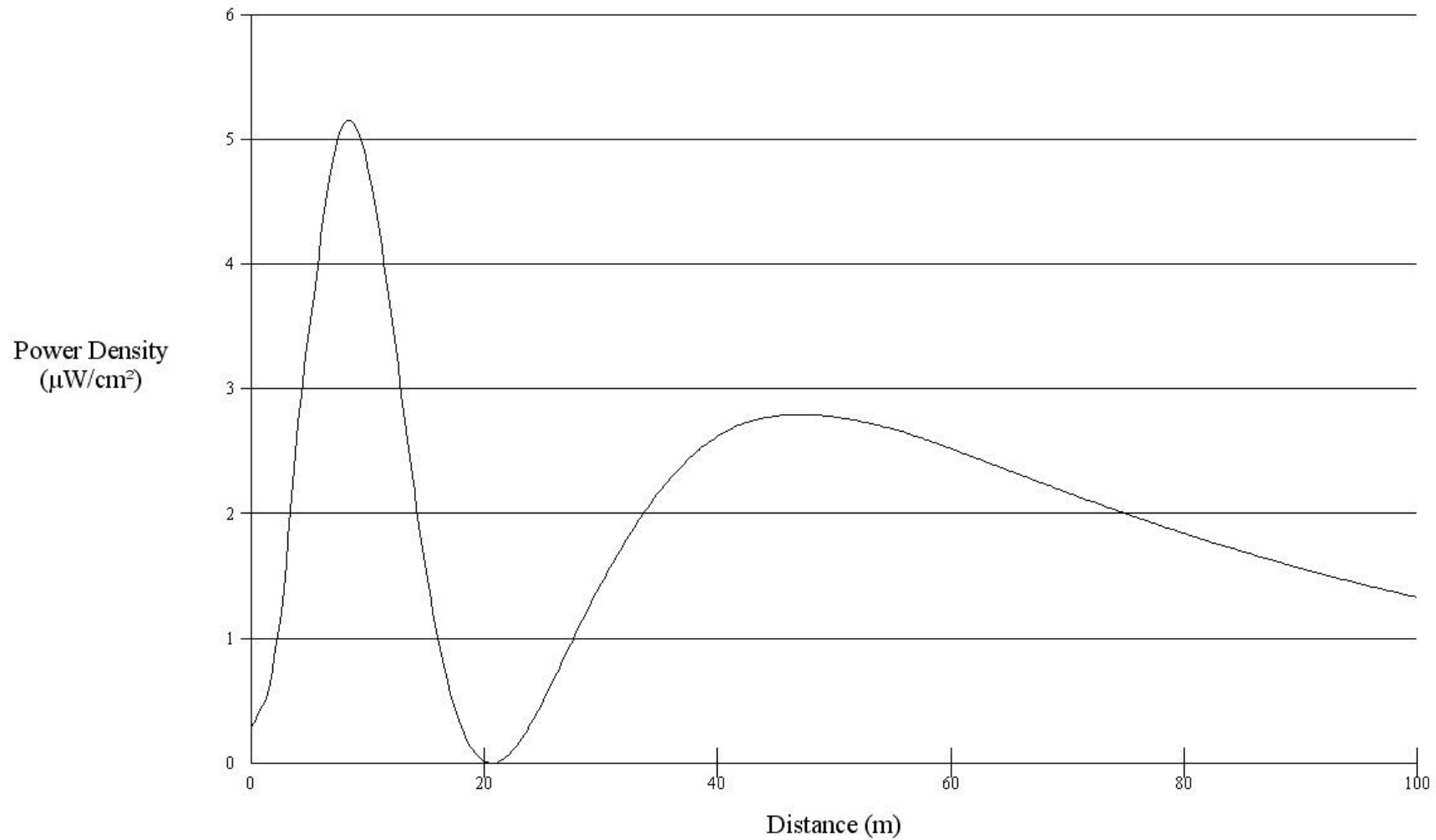


Power Density vs Distance



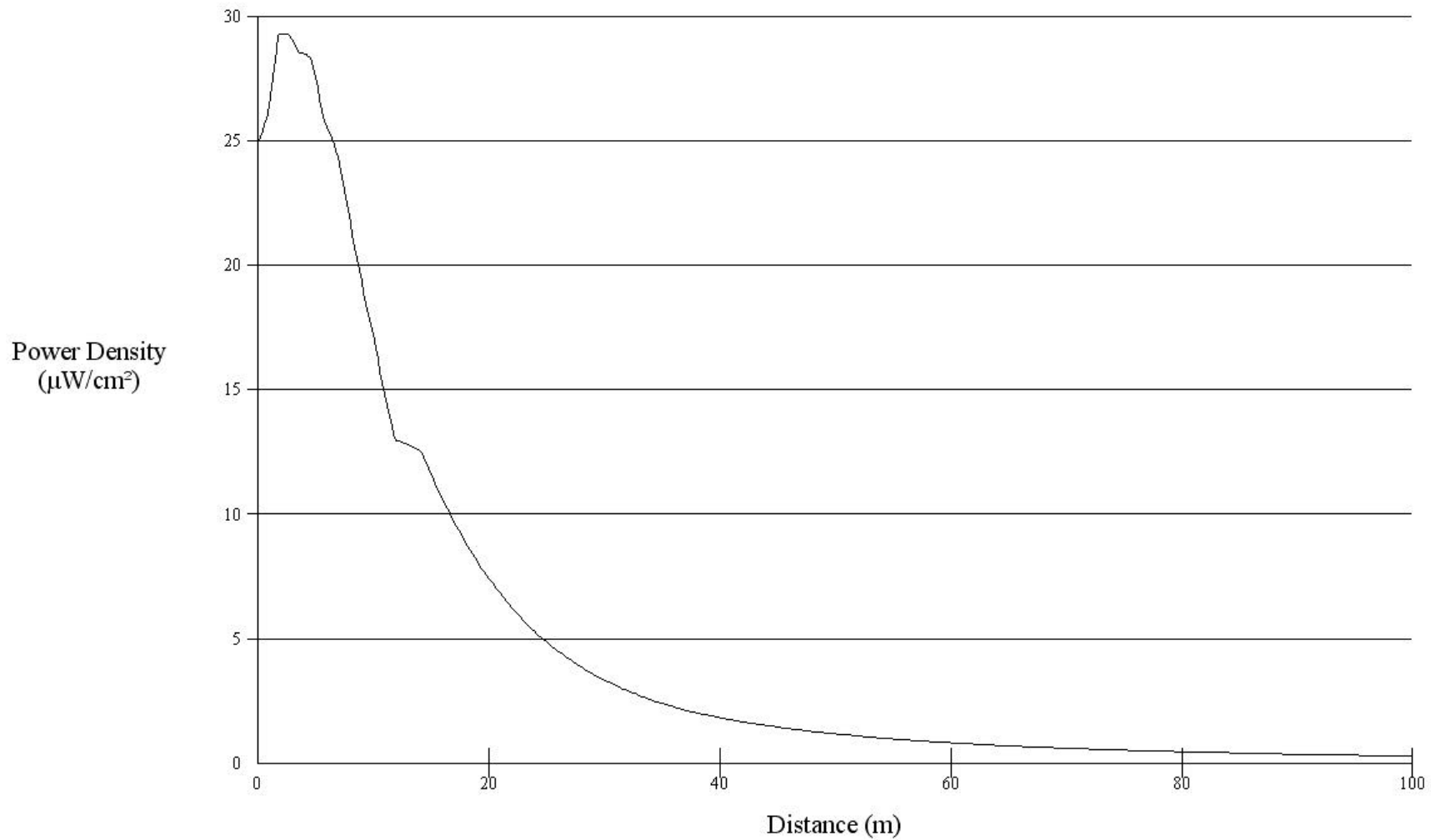
Office of Engineering and Technology

Distance (m):	<input type="text" value="100"/>	Antenna Type:	<input type="text" value="Shively 6810"/>
Horizontal ERP (W):	<input type="text" value="250"/>	Number of Elements:	<input type="text" value="2"/>
Vertical ERP (W):	<input type="text" value="250"/>	Element Spacing:	<input type="text" value=".85"/>
Antenna Height (m):	<input type="text" value="17"/>		

K268AV Proposed Antenna RFR Calculation.

Proposed additional RFR is under 3% of allowed $200 \mu\text{W}/\text{cm}^2$

Power Density vs Distance



Office of Engineering and Technology

Distance (m):	<input type="text" value="100"/>	Antenna Type:	<input type="text" value="Phelps-Dodge 'Ring Stub' or Dipole (EP)"/>
Horizontal ERP (W):	<input type="text" value="0"/>	Number of Elements:	<input type="text" value="1"/>
Vertical ERP (W):	<input type="text" value="92"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="12"/>		

K205CH "Worst Case" RFR Calculation

Existing RFR [34] + Additional RFR [5.2] is less than $35 \mu/\text{cm}^2$.
Other services at site use low power and/or narrow vertical plane beamwidths.