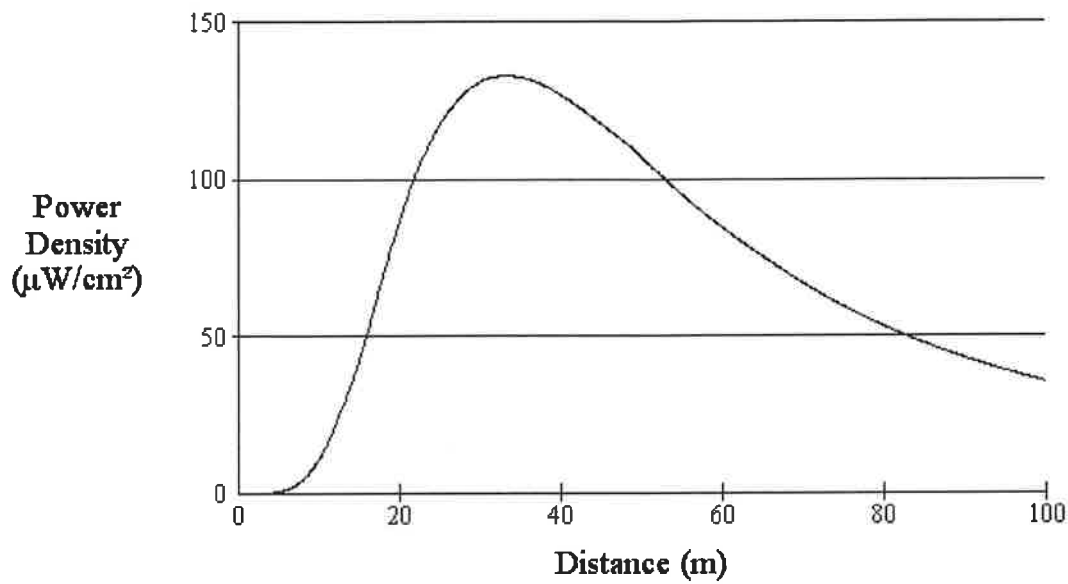


## RADIOFREQUENCY ELECTROMAGNETIC FIELDS

The proposed antenna is a Jampro JMPC-2-HW, two element one half wavelength spaced circularly polarized model. The half wave design reduces the downward radiated fields. A graph of the vertical plane relative field shows the power density at two meters above the tower base to be approximately 132 uW/cm squared. This is well below the maximum permissible FCC guide line limit for FM antennas. The power density values were taken from FMMODEL an OET program.

## Power Density vs Distance



Office of Engineering and Technology

Distance (m):	<input type="text"/>	Antenna Type:	Jampro "Double V" (EPA) ▼
Horizontal ERP (W):	<input type="text" value="6000"/>	Number of Elements:	<input type="text" value="2"/>
Vertical ERP (W):	<input type="text" value="6000"/>	Element Spacing:	<input type="text" value=".5"/>
Antenna Height (m):	<input type="text" value="19.8"/>		