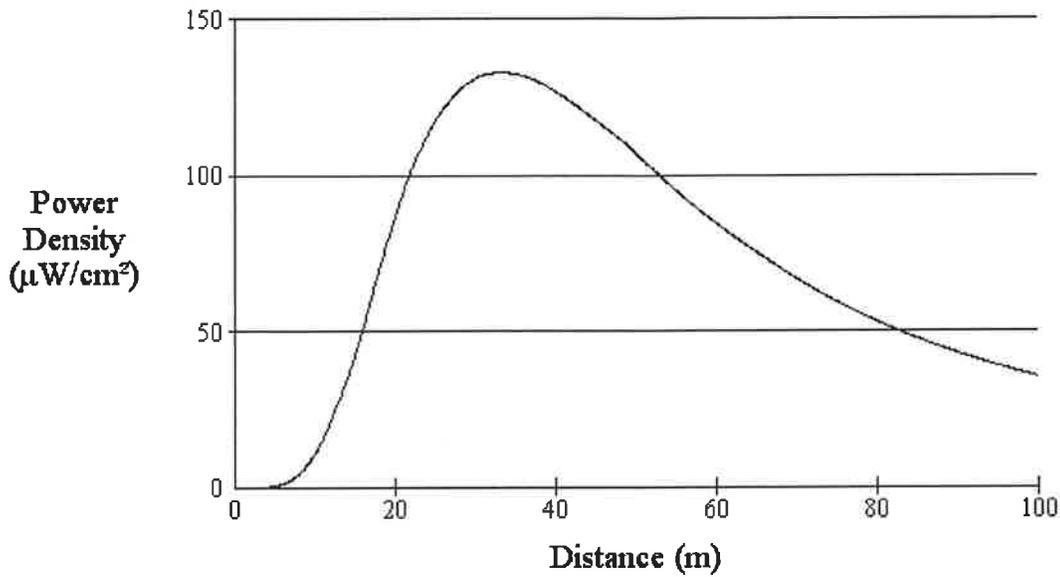


RADIOFREQUENCY ELECTROMAGNETIC FIELDS

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) <input type="text"/>
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"/>		