

CSN International  
**RF COMPLIANCE**

**KEFS North Powder OR  
BLED-20060927ALW**

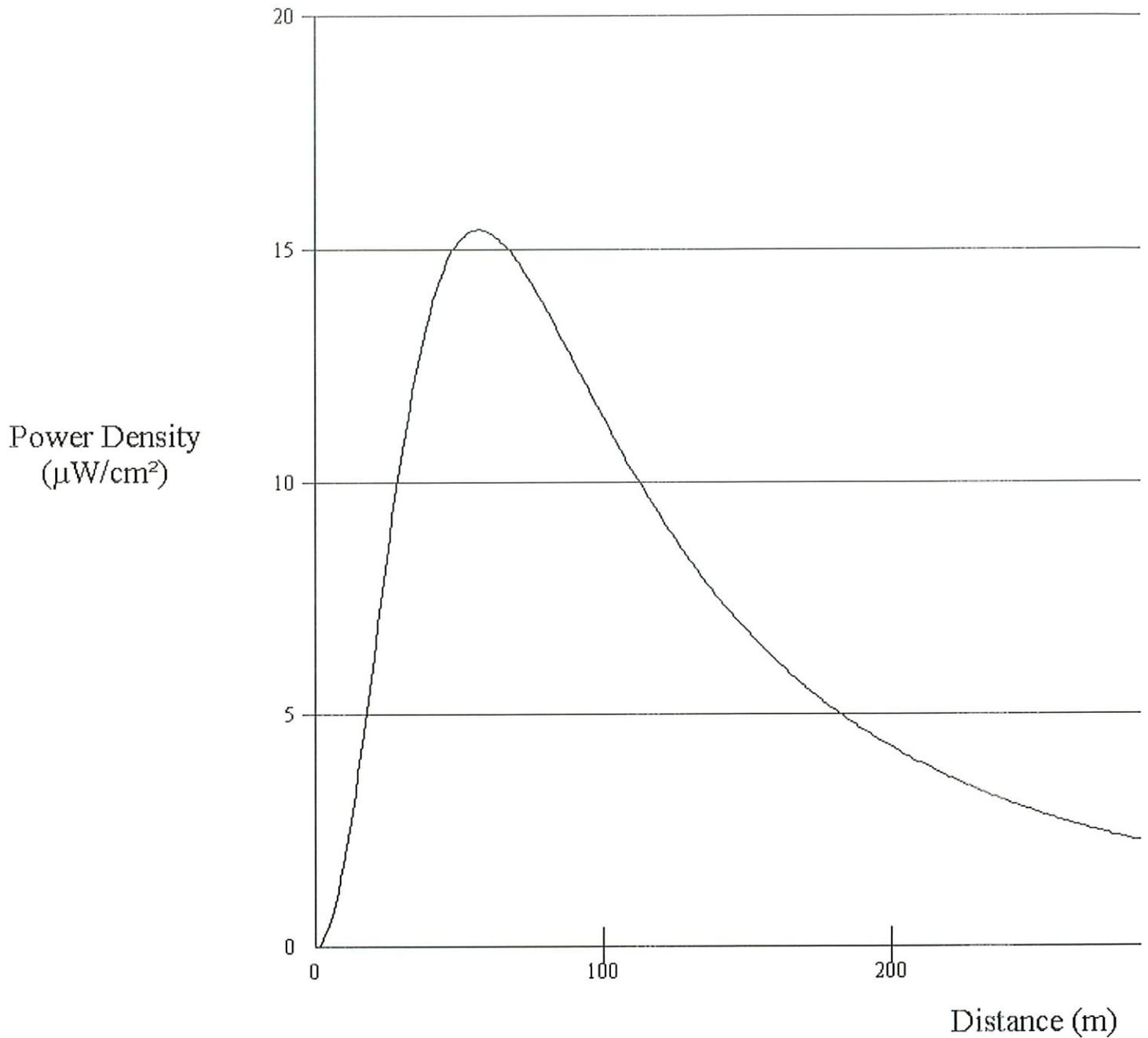
KEFS will operate on FM Channel 208C3 with a maximum effected radiated power of .515kW Horizontal & Vertical, located at 52 meters AGL. The transmit antenna will be a single PSI rotiller like antenna. There are other RF sources located on and near the tower, as listed below.

Appendix C of OST Bulletin No. 65 (second edition) specifies the maximum radiation in the 30 MHz to 300 MHz region should be limited to 1000  $\mu\text{w}/\text{cm}^2$  for occupational/controlled exposure and 200 $\mu\text{w}/\text{cm}^2$  for general population/uncontrolled exposure. The instant application was evaluated with a modified version of the Commission's own FMMODEL program, acquired from the FCC Office of Engineering and Technology Internet site. The pattern data was taken from the same FMMODEL.

Emissions		Percent Occupational	Percent General
KDJC 6kW	15.42 $\mu\text{W}/\text{cm}^2$ @57m	1.542 %	7.71%
KEFS .515kW	3.063 $\mu\text{W}/\text{cm}^2$ @50m	.31	1.53 %
KCMB 100kW	255.36 $\mu\text{W}/\text{cm}^2$ @11m	25.54 %	127.68 %
<b>Total</b>			<b>136.92 %</b>

The tower is located on top of a mountain behind five (5) gates on private property. The first gate is always located and posted cattle grazing land at the end of 6 ½ miles of logging road and is not readily accessible by the public without permission and a key. All appropriate steps to insure that workers, who climb this tower will not be exposed to levels of non ionizing radiation, will be taken. These steps include a reduction in power or cessation of operation, as appropriate, when work becomes necessary on the tower in the area where the power density levels are in excess of the permitted level for controlled exposure.

# Power Density vs Distance

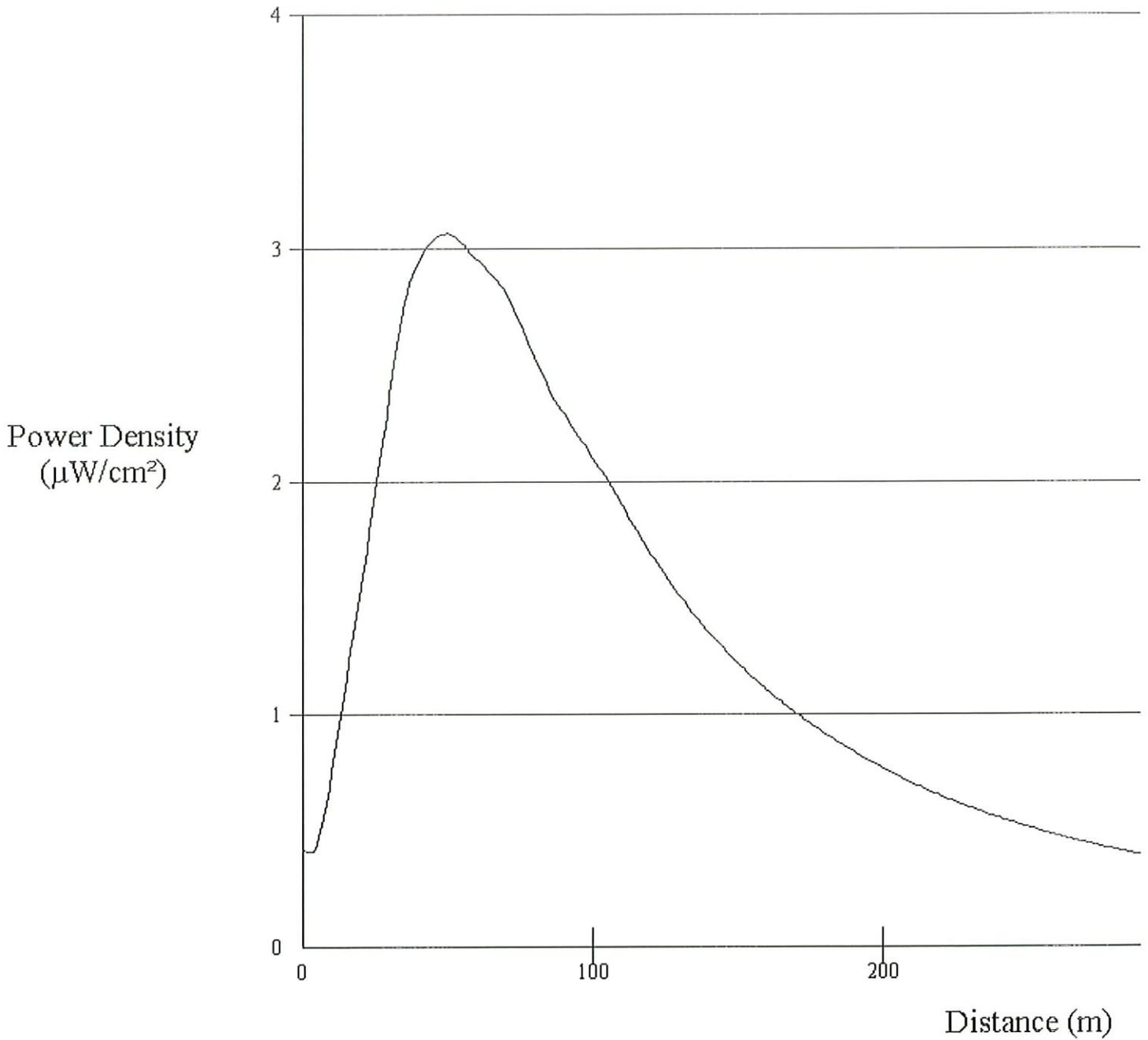


## Office of Engineering and Technology

Distance (m):	<input type="text" value="500"/>	Antenna Type:	<input type="text" value="Vertical Dipole"/>
Horizontal ERP (W):	<input type="text" value="0"/>	Number of Elements:	<input type="text" value="1"/>
Vertical ERP (W):	<input type="text" value="6000"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="59"/>		

KDJC Baker  
15.42µW/cm2 @57 meters AGL  
1.542%Occupational / 7.71% General

# Power Density vs Distance

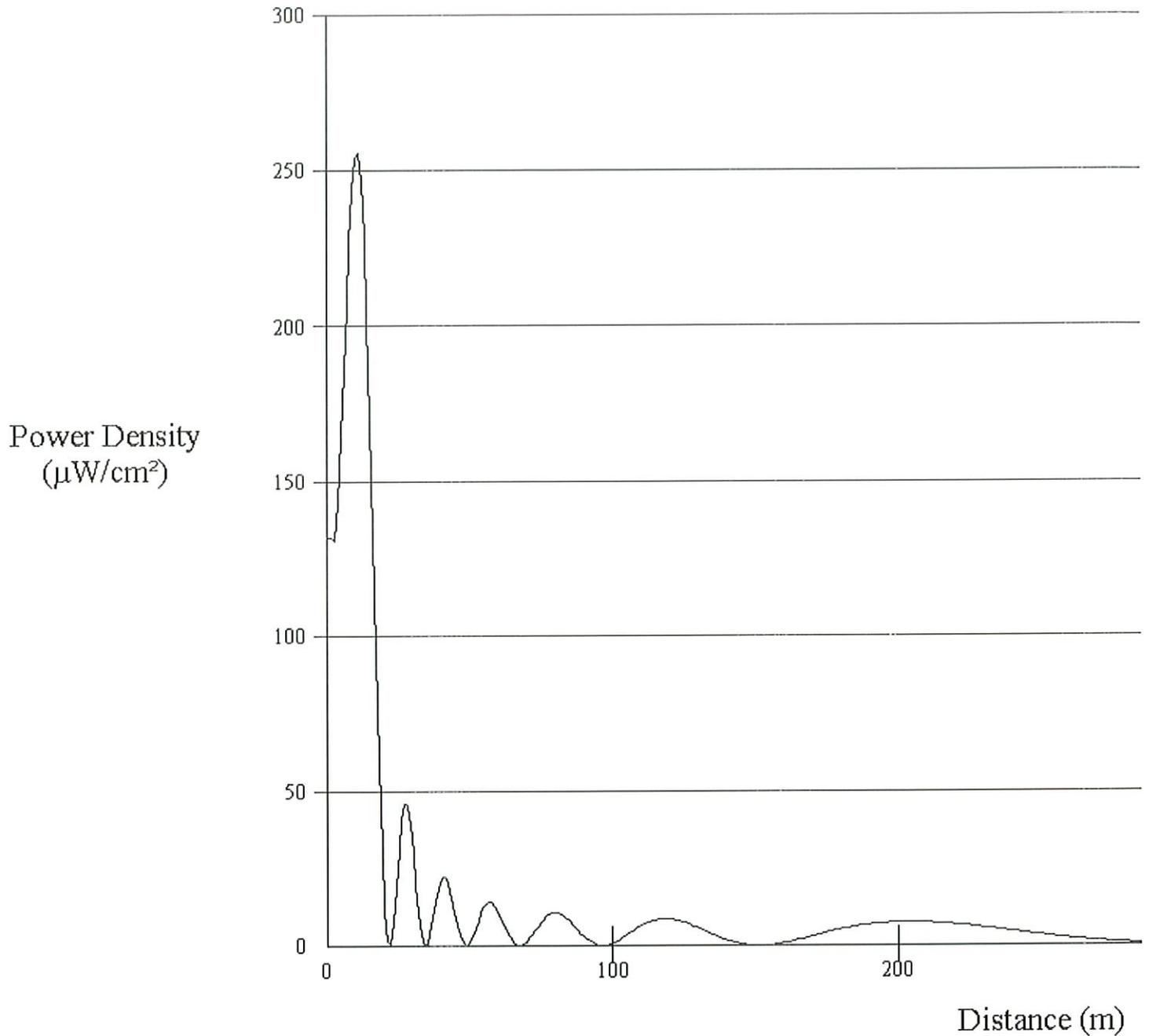


## Office of Engineering and Technology

Distance (m):	<input type="text" value="500"/>	Antenna Type:	<input (epa)"="" rototiller"="" type="text" value="ERI or JAMPRO JBCP "/>
Horizontal ERP (W):	<input type="text" value="515"/>	Number of Elements:	<input type="text" value="1"/>
Vertical ERP (W):	<input type="text" value="515"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="52"/>		

KEFS North Powder  
3.063  $\mu\text{W}/\text{cm}^2$  @50 meters AGL  
.3063%Occupational / 1.53% General

# Power Density vs Distance



## Office of Engineering and Technology

Distance (m):	<input type="text" value="500"/>	Antenna Type:	<input type="text" value="ERI or JAMPRO JBCP 'Rototiller' (EPA)"/>
Horizontal ERP (W):	<input type="text" value="100000"/>	Number of Elements:	<input type="text" value="8"/>
Vertical ERP (W):	<input type="text" value="100000"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="41"/>		

KCMB Baker City  
255.36 $\mu\text{W}/\text{cm}^2$  @11 meters AGL  
25.54%Occupational / 127.68% General