

CSN INTERNATIONAL
January 2005
RF COMPLIANCE
North Powder, OR
BNPED-20000303ABA

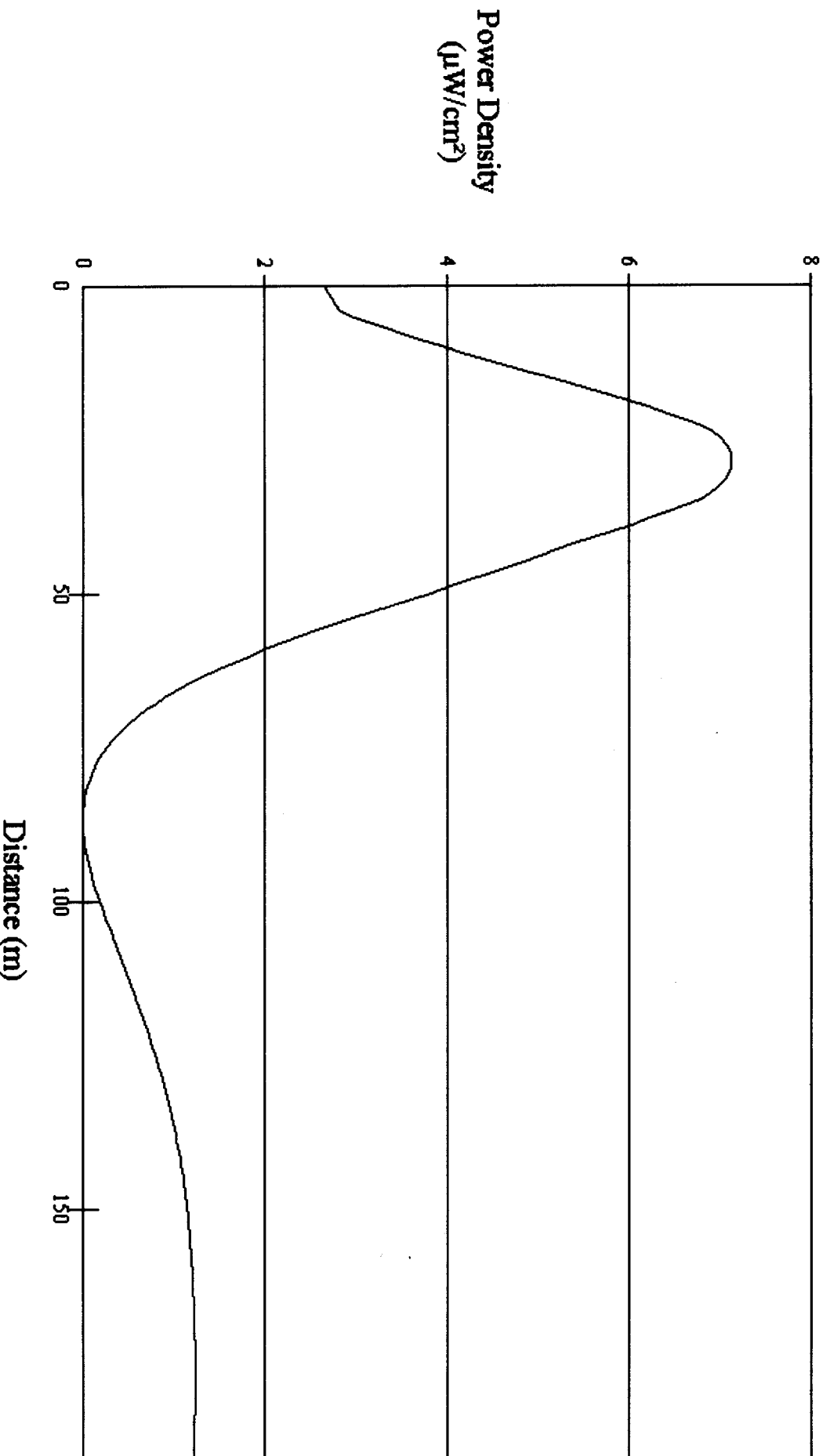
The proposed application will operate on FM Channel 208A with a maximum effected radiated power of .120kW H&V, utilizing a 2 Bay, omni directional, antenna system, to be combined with that of the CP for KDJC, Baker City, OR. It should be noted that there is one other RF source located on this tower, KCMB, Baker, OR, which has an 8 bay, full waved spaced, circular polarized antenna system. The Emissions below represent the worst case scenario.

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 program.

	Emissions	Percent Occupational	Percent General
Proposed/with KDJC	7.11 $\mu\text{W}/\text{cm}^2$ @ 28m	0.711 %	3.7 %
KCMB	255.36 $\mu\text{W}/\text{cm}^2$ @ 11m	25.536 %	127.68 %
Totals		26.25 %	131.38 %

This application is RF Compliant. The fence that encloses this tower is 20'x12' and has a gated, locked access only. The site is located in a remote area on Clark Mountain and access to the site is by locked gate as well. All appropriate steps will be taken to insure that workers, who are on this tower, will not be exposed to levels of non ionizing radiation. 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. This amended application is RF Hazard compliant.

Power Density vs Distance



Office of Engineering and Technology

Distance (m):

Antenna Type:

Horizontal ERP (W):

Vertical ERP (W):

Antenna Height (m):

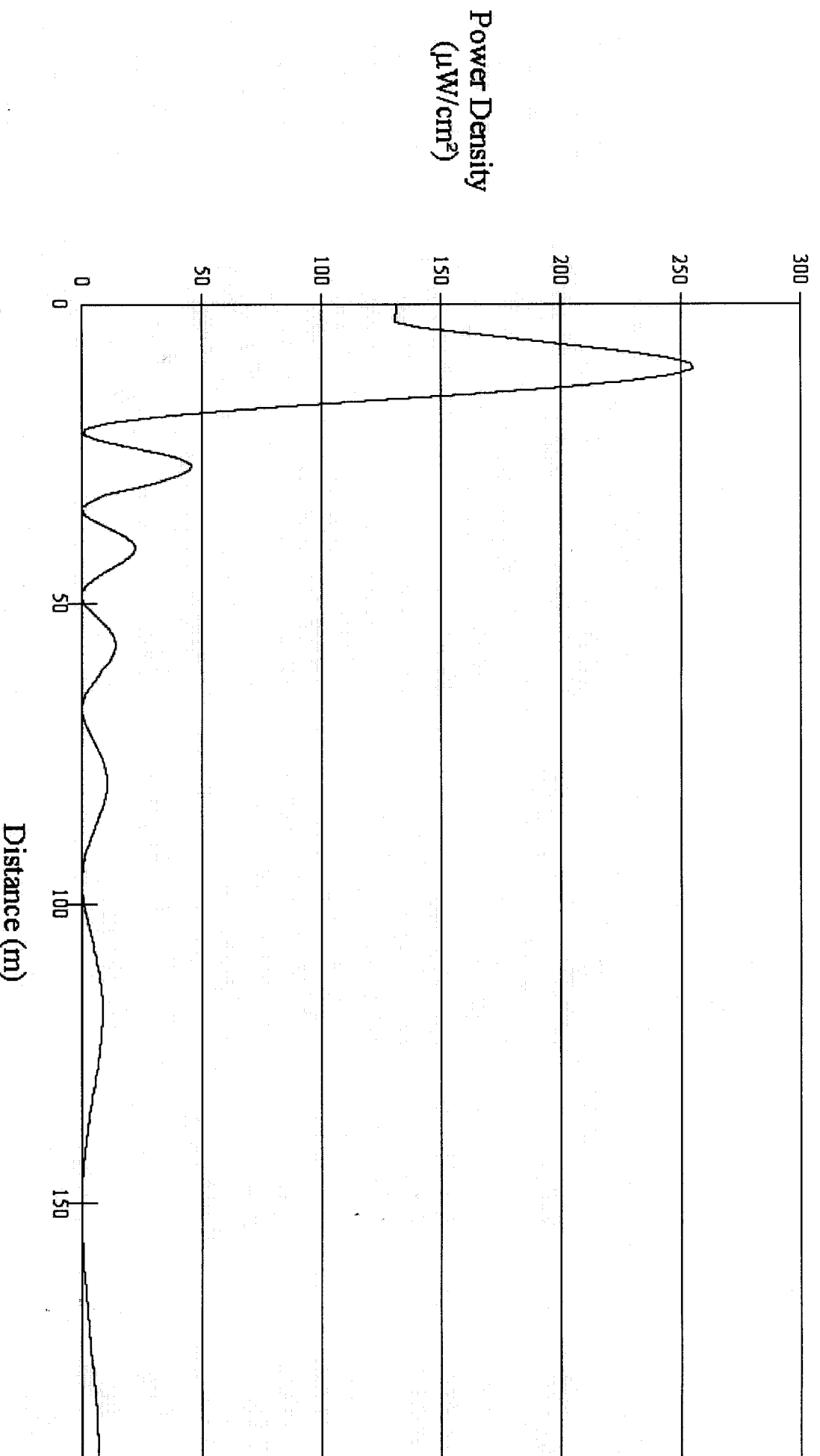
Number of Elements:

Element Spacing:

4

Proposed – with KDJC combined antenna and power
7.11 $\mu\text{W}/\text{cm}^2$ at 28 meters above ground level
711% Occupational / 3.7% General

Power Density vs Distance



Office of Engineering and Technology

Distance (m):	200	Antenna Type:	ERI or JAMPRO, BCP "Radometer" (EPA)
Horizontal ERP (W):	100000	Number of Elements:	8
Vertical ERP (W):	100000	Element Spacing:	1
Antenna Height (m):	44		

KCMB, BAKER, OR
 255.36 μw/cm² @ 11 Meters AGL 25.536% Occupational/ 127.68% General