

CSN INTERNATIONAL
April 2005
RF COMPLIANCE
Lockwood, MT KYWH
BPED-19990526MD

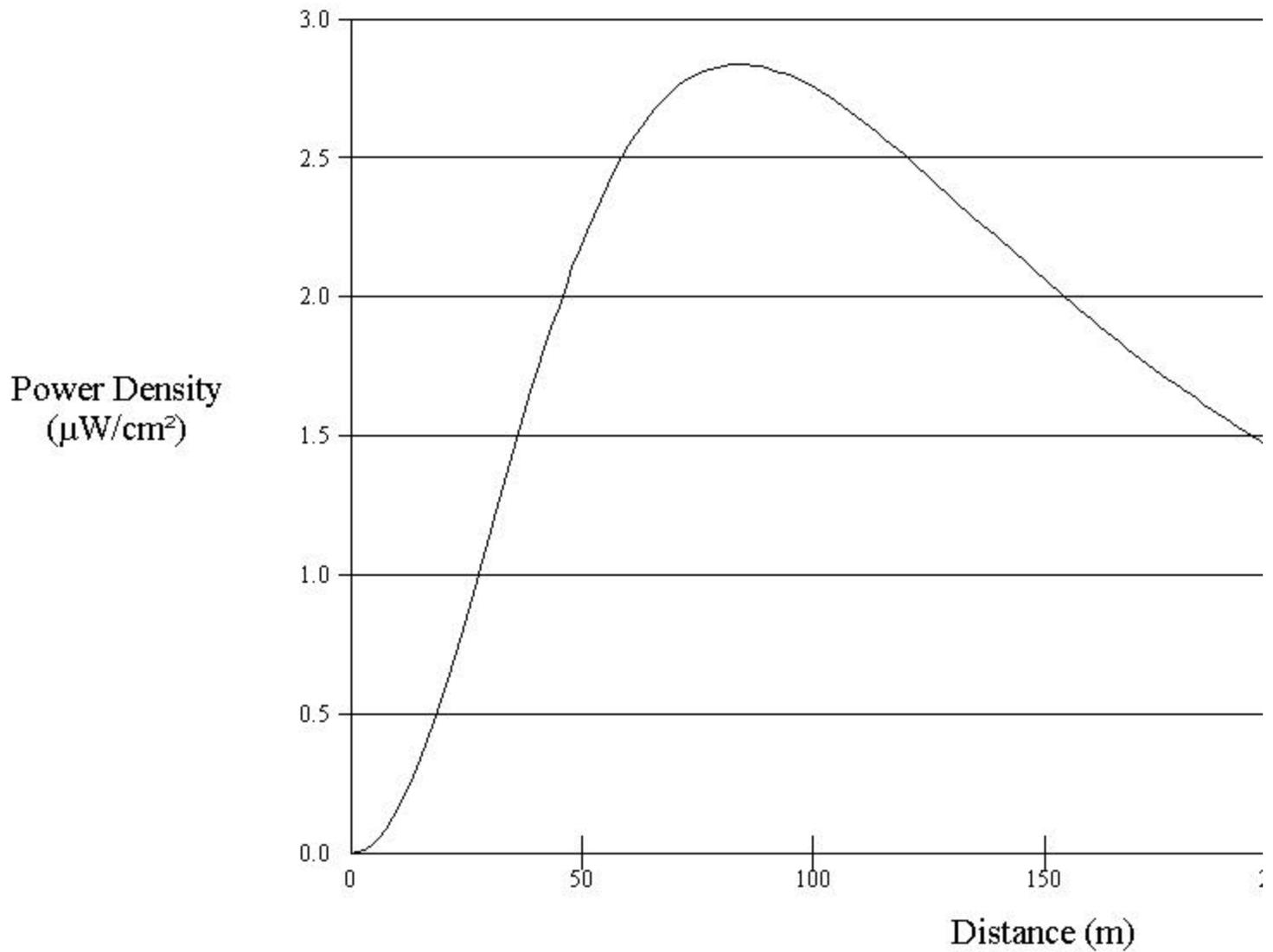
The proposed application will operate on FM Channel 205C3 with a maximum effected radiated power of 2.4 kW. Worst case scenario would utilize a single bay, vertical only, non directional dipole antenna. This proposal is to be located on an existing tower, 86 meters AGL. It should be noted there are no other non-exclusive RF sources on this tower.

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.

	Emissions	Percent Occupational	Percent General
Proposed	2.84 $\mu\text{W}/\text{cm}^2$ @ 84m	.284 %	1.42 %

This application is RF Compliant. All appropriate steps will be taken to insure that workers, who are on working 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 modification is RF Hazard compliant.

Power Density vs Distance



Office of Engineering and Technology

Distance (m):	<input type="text" value="300"/>	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="2400"/>	Element Spacing:	<input type="text" value="1"/>
Antenna Height (m):	<input type="text" value="86"/>		