

## Environmental Statement

The proposed ch. 231, C-3 operation is in compliance with the FCC exposure guidelines. (See FM Model)

However, question 17 on FCC Form 301 has been marked "No" since the information necessary for a complete Environmental Assessment of the proposed site has not been completed. This application will be updated when that state and local process has been concluded.

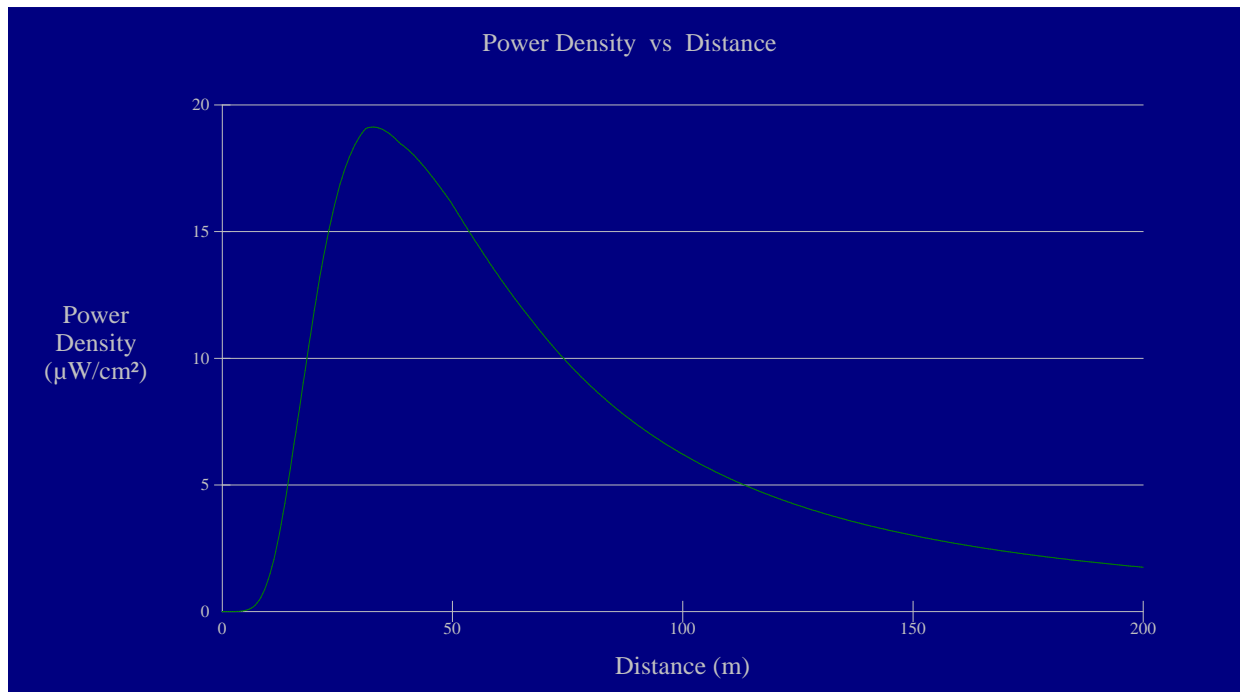
The proposed antenna site is not located near any known wildlife preserve, historic place, or Indian religious site. The proposed facilities are not located in a flood plain area. The proposed facilities will not affect or jeopardize the threatened or endangered species or their critical habitats. The construction of a building to house the FM transmitter does not involve significant changes in the surface features.

Members of the public and personnel working around the proposed FM facility will not be exposed to RFF levels exceeding the current FCC guidelines. In the event that any work is performed on the structure, the licensee will establish procedures to ensure that workers are not exposed to radio frequency field ("RFF") levels above those prescribed by FCC, by reducing or turning off the power, as appropriate.

## Ch. 231, C-3 Canaan, Vermont, RF Emissions Study FCC's FM-Model Program

Employing a Shively 6810 Circularly Polarized 2 Bay antenna (or equivalent) Half wave spaced.

Antenna height, 20 m. Distance 200 m. Horizontal ERP 1.1kw, Vertical ERP 1.1 kw.



The Applicant proposes to mount its antenna with the center of radiation at 20 meters above ground level. Figure 1. above, shows the maximum power density produced by the proposed facility at a point 2 meters above ground is 19.129  $\mu\text{W}/\text{cm}^2$ , 10.46 percent of the 200  $\mu\text{W}/\text{cm}^2$  ANSI limit for uncontrolled general population exposure. Therefore, this proposal complies with ANSI standards.