

Environmental Protection Act and RFR Study

The proposed FM Facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commissions FM Model Power Density Prediction program was employed to determine the Field. Using the Phelps-Dodge “Ring Stub” or Dipole Worst Case EPA antenna with 2 sections, one wavelength between sections, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 23% of the Uncontrolled Standard with a Power Density of 45.4 microwatts per square centimeter at a location 4.4 meters away from the base of the tower.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

The proposed facility should be exempt from environmental processing because the facility would not be located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules.