

Environmental Considerations

The proposed channel 46 facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at the base of the tower in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The calculated power density at the base of the tower was calculated using the appropriate equation on Page 13 of the Bulletin. Using a greater than expected vertical relative field value of 0.2, a maximum visual effective radiated power of 150 kilowatts, circularly polarized, and 10 percent aural power, the calculated power density at 2 meters above the base of the tower is .036 milliwatt per square centimeter (MW/CM²), or 16.2 percent of the Commission's recommended limit applicable to occupational/controlled exposure areas (2.21 MW/CM² for TV channel 46). However, as this is a multi-user site, measurements will be made to substantiate compliance with the RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.