

Environmental Effect.

The applicant proposes to use the existing 40 meter tower.

The proposed antenna will radiate 0.6 kW ERP on channel 18 with a center of radiation 27 meters above ground. Using the bulletin OET 65 formulas, we can determine that the power density at head height at the nadir is $1.28 \mu\text{W}/\text{cm}^2$. This amounts to 0.38 percent of the maximum for an uncontrolled area. Since the power density is well under 5% for a controlled area, not further analysis was deemed necessary.

The applicant will protect workers and the general public by reducing power or terminating transmission in the event a person must be in a location that would result in exposure beyond the established maximum. The applicant has an agreement to work with the other users of the transmission site to assure protection of workers.