

Environmental Effect.

The applicant proposes to use the existing 15 meter tower.

The proposed antenna will radiate 2.0 kW ERP on channel 36 with a center of radiation 12 meters above ground. Using the bulletin OET 65 formulas, we can determine that the power density at head height at the nadir is $26.7 \mu\text{W}/\text{cm}^2$. This amounts to 6.63 percent of the maximum for an uncontrolled area.

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 at the site.