

Environmental Effect.

The applicant proposes to use the existing 36 meter tower, ASR # 1019017.

The proposed antenna will radiate 4 kW ERP in the horizontal plane on channel 14, with a center of radiation 33 meters above ground. Using the bulletin OET 65 formulas, we can determine that the power density at head height at the nadir is $5.56 \mu\text{W}/\text{cm}^2$. This amounts to 1.76 percent of the maximum for an uncontrolled area. Since the contribution of this antenna is less than 5%, no 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 at the site.