Environmental Effect.

The applicant proposes to use the existing 19.8 meter tower.

The proposed antenna will radiate 0.6 kW ERP on channel 31 with a center of radiation 17 meters above ground. Using the bulletin OET 65 formulas, we can determine that the power density at head height at the nadir is 3.56 μW/ cm^2. This amounts to 0.93 percent of the maximum for an uncontrolled area. Since the power density is well under 5% for as 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.