

**Power Density analysis: (Using OET 65 formulas)**

KMNE-TV, 45 kW, Andrew 16VO6-HTO-7, COR: 449m A.G. (1.5 deg. beam tilt)

The proposed KMNE-TV, CH 7 antenna, produces  $0.298 \text{ mW/cm}^2$  at head height toward the base of the tower and that is 0.149 percent of the maximum ( $200 \text{ mW/cm}^2$ ) for an uncontrolled area. This calculation uses the standard high-gain TV antenna vertical elevation field toward the nadir of 0.2.

Since this value is significantly below 5% of the maximum, no further analysis was deemed necessary.

This proposal requires no changes to the existing antenna or supporting tower. No changes are proposed that would require federal, state or local zoning approvals. There has been no controversy with regard to the existing tower. This tower does not conflict with existing regulations regarding the protection of historical sites and known bird flyways.

The existing, approved and registered, tower has a fence around it that is gated and locked and the required identification and RF hazard warnings are posted. The applicant will reduce power or terminate transmissions to protect workers or members of the public from being exposed to power densities in excess of the Commission's maximum.