

Power Density analysis: (Using OET 65 formulas) - Existing tower - 1035226

WLEF-TV, 400 kW, HAR TWSC, COR: 448 m A.G. (0.7 deg. beam tilt): Existing Authorized Tower # 1035226.

The proposed WLEF-TV, 400 kW ERP, CH36, produces, at head height, 2.69 mW/cm² which is 0.67 percent of the maximum for an uncontrolled area. This calculation uses the standard high-gain TV antenna vertical elevation field toward the nadir of 0.2.

WHBM (FM). Channel 212 C1 has an ERP of 35 kW, radiated from an EPA Type 9, Dielectric DCR-C, with an antenna height above ground of 217m. Using the OET 65 formulas for analysis, we find that this antenna produces 1.63 mW/cm² which is 0.81 percent of the 200 mW/cm² maximum for an uncontrolled area.

The proposed tower also holds a U.S. Weather Station Antenna (WXM-91), 162 MHz, 1.9 kW, 206 m A.G. Worst case OET 65 calculations, without regard for the vertical elevation field toward the nadir, show that this antenna produces 0.677 mW/cm² which is 0.34 percent for an uncontrolled area.

Together, the three stations produce 1.42 percent of the maximum for the uncontrolled area. There are no other stations within one kilometer.

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.

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.