

Power Density analysis: (Using OET 65 formulas)

W24CL-D, 3.71 kW, SCA 771-304, COR: 123 m A.G. (no beam tilt): Existing Authorized Tower # 1035228.

W24CL-D produces, 0.339 mW/cm² at head height. This is 0.0953 percent of the maximum for an uncontrolled area. This calculation uses the EPA standard high-gain TV antenna vertical elevation field toward the nadir of 0.2.

W24CL-D is the only broadcast facility on the existing tower. Since the proposed W24CL-D antenna produces only 0.05 percent of the maximum, no further analysis was deemed necessary.

The existing, approved and registered, tower has a fence around 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.