

RF Radiation Exhibit

The proposed digital Channel 36 antenna will be pole-mounted atop an existing building with the radiation center located 5.5 meters above the building's rooftop. Therefore, the proposed facilities were considered in terms of potential radio frequency ("RF") energy radiation exposure to workers and the general public at the base of the tower atop the building. At the proposed effective radiated power of 15 kilowatts, the calculated power density at a point 2 meters above the building rooftop at the base of the pole is 0.409 mW/cm². This slightly exceeds (by about 2%) the Commission's recommended limit applicable to general population/uncontrolled exposure areas of 0.4 mW/cm² for television Channel 36 exposure, but is only 20% of (so well within) the Commission's recommended limit applicable to controlled exposure areas of 2.0 mW/cm² for television Channel 36 exposure; therefore, the proposal will comply with the Commission's RF radiation exposure limits for a controlled environment. 47 C.F.R. § 1.1310(e).

The transmitting site atop the building's rooftop is a controlled environment, with access restricted and the entry appropriately marked with warning signs. Furthermore, a protocol is in effect in the event that workers or other authorized personnel enter the restricted area, of the rooftop, to ensure that appropriate measures will be taken to assure worker safety with respect to RF radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time wearing accepted RF radiation protective clothing and/or RF radiation exposure monitors, and/or scheduling the work when the station is at reduced power or shut down.