

**WFXI-DT**  
**Channel 24**  
**Exhibit 46**

**Environmental Statement**

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed WFXI-DT antenna is located 215 meters above ground level. The maximum DTV-ERP is 1000 kW (horizontal polarization). A relative field value of 0.100 has been used for the antenna's downward radiation since this value is greater than the maximum downward radiation of the proposed antenna for all depression angles greater than 10° (see Exhibit 43, Page 4). The calculated power density at a point 2 meters above ground level is 0.007228 mW/cm<sup>2</sup>. This is 2.034% of the FCC's recommended limit of 0.35534 mW/cm<sup>2</sup> for channel 24 for an "uncontrolled" environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

The antenna supporting structure will be surrounded by a gated and locked chain link fence at a height of 2 meters. Appropriate warning signs will be placed on the fence to warn the general public of the possible RF radiation exposure. If work is to be performed on the tower in an area where overexposure could occur, WFXI-DT will take the necessary action to prevent overexposure of workers on the tower, including reducing the WFXI-DT transmitter power or ceasing WFXI-DT operation completely. Additionally, WFXI-DT will cooperate with other site users to assure that work is performed at the site without exceeding the FCC maximum permissible exposure limit (MPE) for occupational /controlled exposure.