

EXHIBIT D

POWER DENSITY CALCULATION

PROPOSED WTXF-DT
CHANNEL 42 – PHILADELPHIA, PENNSYLVANIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Philadelphia facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 260 kw (H) and 65 kw (V), an antenna radiation center 338 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.00040 mw/cm^2 is calculated to occur 56 meters from the base of the tower. Since this is less than 0.1 percent of the 0.43 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 42 (638-644 MHz), a grant of this proposal may be considered a minor environmental action with respect to public and occupational ground-level exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.