

EXHIBIT E

POWER DENSITY CALCULATION  
PROPOSED WGHP-DT AUXILIARY  
CHANNEL 8 – HIGH POINT, NORTH CAROLINA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this High Point facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 5.5 kw, an antenna radiation center 272 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of  $0.000046 \text{ mw/cm}^2$  is calculated to occur 144 meters north of the base of the tower. Since this is less than 0.1 percent of the  $0.2 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 8 (180-186 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.