

POWER DENSITY CALCULATION
PROPOSED WGHP-DT
CHANNEL 35 – HIGH POINT, NORTH CAROLINA
[MODIFICATION OF BPCDT-19991005ABQ]

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 1,000 kw, an effective antenna height of 338 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of 0.0017 mw/cm^2 is calculated to occur 157 meters from the base of the tower. Since this is only 0.4 percent of the 0.40 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 35 (596-602 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.

NEIL M. SMITH
KEVIN T. FISHER
JEFFREY S. FISHER

JEANNE F. SMITH

April 8, 2005

Molly Pauker, Esq.
FOX TELEVISION STATIONS INC.
5151 Wisconsin Avenue, NW
Washington, D. C. 20016

Dear Molly,

Enclosed for filing is the engineering portion of the WGHP-DT auxiliary application for the new tower. The FCC will not be able to grant this application until the FAA issues a Determination of No Hazard for the survey-revised site, and the FCC ASR record has been modified.

If you have any questions regarding this project, please don't hesitate to call me.

Best regards,



Kevin T. Fisher

KTF:spt

Encl.

cc: Mr. Charles Layno
Mr. Ross Mason