

Engineering Exhibit  
WBIG-FM FID# 54459  
Minor Modification of Construction Permit BXPB-20040610ABI  
January 27, 2006

This application requests modification of the granted construction permit (CP) application BXPB-20040610ABI to specify operation at the approved site, but with a higher antenna elevation, and increased power than granted in the CP . The proposed antenna is to be a shared antenna with co-owned station WMZQ-FM that is located 91 meters above ground level upon a tower described by antenna structure registration number 1017714. For WMZQ-FM an FCC form 302 modification of license application will be filed to specify the new antenna and transmitter power output upon completion of construction.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is a Shively 6814BB, 6- bay, half wave spaced antenna, mounted with its center of radiation 91 meters above ground level, and will operate with a combined effective radiated power of 70 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 155 meters from the base of the tower, this proposal will contribute worst case, 5.51 microwatts per square centimeter, or 0.55 percent of the allowable ANSI limit for controlled exposure, and 2.75 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

# Contour Map, 60 dBu of Main and Proposed Aux.

