

Engineering Exhibit  
WIBA-FM Facility ID 17385  
Minor Change Application

By this application it is sought to modify the facility of WIBA-FM to specify a new principal community.

The proposed WIBA-FM antenna is to be a shared facility with WMAD(FM) which is filing a concurrent application to relocate. WMAD(FM) will simply be “diplexed” into the existing WIBA-FM antenna, 266 meters above ground upon a tower described by antenna structure registration number 1033919.

From this location WIBA-FM is fully spaced as a Class B facility in accordance with Section 73.207 to all known facilities, applications and allocations. As the proposed facility is at a Height Above Average Terrain (“HAAT”) 159 meters greater than maximum for Class B, the web tool “FMpower” was utilized to determine the equivalent power of 12 kilowatts (“kW”).

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 antenna system is an EPA type 2, Jampro, 2-bay, full-wave “Double V “ antenna, mounted with its center of radiation 266 meters above ground level, and will operate with a combined effective radiated power of 12.620 kW in both the horizontal and vertical planes. At 2 meters above ground, at 150 meters from the base of the tower, this proposal will contribute worst case, 2.3 microwatts per square centimeter, or 0.23 percent of the allowable ANSI limit for controlled exposure, and 1.15 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. 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.