

FCC Form 301
Comprehensive Engineering Exhibit
Minor Modification of Construction Permit BXPB-20020222AAF
WOOD-FM Facility ID No. 73605
Grand Rapids, MI
3 March 2004

Clear Channel Broadcasting Licenses Inc. (CC) by this application requests a minor change in Construction Permit BXPB-20020222AAF. CC seeks to change antenna location and height as well as power.

Proposed is a location at 131 meters above ground upon the existing antenna structure known by ASR# 1060517 with an effective radiated power of 99 kilowatts. The 60 dBu contour produced by this facility does not extend beyond the presently licensed 60 dBu contour, as shown by included map.

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 an EPA type 3, 6- bay, "Roto Tiller" style antenna, mounted with its center of radiation 131 meters above ground level, and will operate with an effective radiated power of 99 Kilowatts in both the horizontal and vertical planes. At 2 meters, the height of an average person, at the base of the tower, this proposal will contribute worst case, 11.56 microwatts per square centimeter, or 5.78 percent of the allowable ANSI limit for controlled exposure, and 1.15 percent of the allowable limit for uncontrolled exposure. There are no known non-exempt radiators within 1 kilometer. 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 warning signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. 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.

F50:50 60 dBu Contours

