

Comprehensive Engineering Exhibit  
AMFM Radio Licenses, L.L.C.  
FCC Form 301 Auxiliary Antenna  
KBIG-FM Facility ID#: 6360  
Los Angeles, California  
July 21, 2004

AMFM Radio Licenses, L.L.C. seeks an Auxiliary Antenna for KBIG-FM (KBIG), Los Angeles, California, upon a tower identified as antenna structure registration number 1018352 at a radiation center of elevation of 55 meters. This location is only 192 meters from the existing licensed main location. The proposed antenna will have beam tilt. It is proposed that the radiation in the horizontal will be 54 kW, and the maximum power, 68 kW. A vertical plan plot of the antenna as constructed will be submitted with the license application. Attached below is a contour map drawn with 36 radials spaced 10 degrees apart demonstrating compliance with the auxiliary antenna rules regarding contour extension.

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, 10- bay, half-wave spaced, "Rototiller " antenna, mounted with its center of radiation 55 meters above ground level, the station will operate with an effective radiated power of 68 kW in both the horizontal and vertical planes. At 2 meters above ground, at 169 meters from the base of the tower, this proposal will contribute worst case, 6.4 microwatts per square centimeter, or 0.64 percent of the allowable ANSI limit for controlled exposure, and 3.17 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 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.

