

## Auxiliary Antenna Engineering Exhibit

This application seeks an additional Auxiliary Antenna for the station. Attached is a map demonstrating the 1.0 mV/m contour of the proposed auxiliary does not extend beyond the 1.0 mV/m contour of the licensed facility. This proposal is to add auxiliary facilities for KBIG-FM, KIIS-FM, KOST(FM), and KHHT(FM) to the existing main facility of KYSR

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 will be an EPA type 3, ERI "Rototiller", 6- bay, 0.83 wave spaced, antenna mounted with its center of radiation 87 meters above ground level, and will operate with an effective radiated power of 8.5 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 42 meters from the base of the tower, this proposal will contribute worst case, 0.56 microwatts per square centimeter, or 0.06 percent of the allowable ANSI limit for controlled exposure, and 0.35 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.

