

Engineering Exhibit
KQXX-FM
Facility ID 36168
Minor Change Application
January 22, 2007

By this application it is sought to modify the facility of KQXX- FM to upgrade power at its presently licensed location.

The proposed KQXX-FM antenna is to be directional and will be located 86 meters above ground level upon a tower with an overall height of 89 meters. This tower is described by antenna structure registration (ASR) 1201681.

From this location KQXX-FM is fully spaced as a Class A facility in accordance with Section 73.207 to all known facilities, applications and allocations, with the exception of KBIC Raymond Texas and KJAV Alamo Texas.

The allocation of KQXX-FM was made under the prior rules of 73.207 Class A facilities. This request is made pursuant to 73.213(c) as to the short spacing to KBIC and KJAV. This application specifies a directional antenna to allow KQXX-FM to increase maximum power to 6 kW ERP, while maintaining current overlaps with KJAV as demonstrated in Figure 1. There is no existing contour overlap with KBIC, as demonstrated in Figure 1 and none will be caused by this proposal.

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, 0.5 wave spaced "Roto Tiller" style antenna, mounted with its center of radiation 86 meters above ground level. This proposal will operate with an effective radiated power of 6 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 148 meters from the base of the tower, this proposal will contribute worst case .54 microwatts per square centimeter, or 0.054 percent of the allowable ANSI limit for controlled exposure, and 0.27 percent of the allowable limit for uncontrolled exposure. Therefore it is 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 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.

Figure 01 Map of Contours

