

Engineering Exhibit
KQXT-FM
Facility ID 11962
Minor Change Application

By this application it is sought to modify the facility of KQXT-FM, San Antonio, Texas (Facility ID 11962) to specify a replacement antenna on the same support structure currently used by KQXT-FM. The proposed replacement antenna is a combination antenna in which the signal of KQXT-FM will be broadcast along with the signals of KJXX(FM), San Antonio, Texas (Facility ID 71086) and KZEP-FM, San Antonio, Texas (Facility ID 65329).

At present, each of these three stations use a separate antenna, mounted one to a side, on the same support structure. This instant proposal specifies a single antenna for use by all three stations. At present, the stations on this support structure are licensed to different heights and geographic coordinates. It not clear how this situation evolved over the years, but by the filing of this application, the correct coordinates for this support structure are being specified, as well as the correct height of the replacement antenna.

The combination antenna to be used by KQXT-FM has a height above ground level of 210 meters upon a structure described by antenna structure registration number 1203285. From this location KQXT-FM is fully spaced as a Class C1 facility in accordance with Section 73.207 to all known facilities, applications, and allocations.

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 3, 16-bay, 0.5 wave spaced "Roto Tiller" style antenna, mounted with its center of radiation 210 meters above ground level. This proposal will operate with a combined effective radiated power of 300 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 428 meters from the base of the tower, this combined proposal will contribute worst case 0.66 microwatts per square centimeter, or 0.06 percent of the allowable ANSI limit for controlled exposure, and 0.33 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.