

STA for Continued Aux Operation and Increased Power

On or about 29 March 2020 the top 200 ft. of the KMXA-FM main facility tower failed and the station has been operating from its licensed auxiliary facility, BXLH-20120131AIA since that time.

We request special temporary authority (“STA”) to continue to operate the Station from its licensed auxiliary facilities, FCC File No. BXLH-20120131AIA (the “Auxiliary License”) in accordance with Section 73.1560(d) for more than 30 days.

Additionally we request STA to operate the auxiliary license facilities with parameters at variance for power increased from licensed values. We anticipate relocating transmission equipment to increase the power of the auxiliary license facility and are requesting UP TO 20 kW ERP from that facility. A RF study is below supporting this operation and attached is a contour map of the licensed main and proposed auxiliary operation.

RF Study

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 a 4 section, ERI - “SHPX” roto-tiller style, half wave spaced, antenna, mounted with a center of radiation 85 meters above ground level and will operate UP TO a Maximum effective radiated power of 20 Kilowatts the horizontal and vertical plane.

The FCC page “FM Model” finds that at 2 meters above ground, at 323 meters from the base of the tower, as a worse case, a power density of 4.9 microwatts per square centimeter, or 05 percent of the allowable ANSI limit for controlled exposure, and 1.5 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.

Contour Map



