

**ENGINEERING EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
KROM AUXILIARY  
TICHENOR LICENSE CORPORATION  
SAN ANTONIO, TEXAS  
Channel 225 C1**

This exhibit and statement were prepared on behalf of Tichenor License Corporation. Tichenor proposes to utilize an existing tower with a new antenna and transmission line as an auxiliary facility. The proposed facility will comply with the requirements of 73.1675 with an effective radiated power of 13.8 Kilowatts horizontal and vertical at 91 Meters HAAT. The one Milivolt contour of the proposed auxiliary site does not exceed the one Milivolt contour of the licensed main. The site will use a Telecom 6 bay, one wavelength spaced antenna. This site is considered a multiple user FM site, as KXTN has a licensed auxiliary on the same tower. The tower registration for this site is 1239237. The coordinates for this tower in NAD27 datum are: 29°-25'-23" North Latitude 95°-25'-50" West Longitude.

Operation of the auxiliary facilities were evaluated in terms of a potential radio frequency radiation hazard to the general population and workers at ground level in accordance with OET Bulletin 65, "Evaluating Compliance With FCC Guidelines For Human Exposure To Radiofrequency Electromagnetic Fields", Edition 97-01. The radiation center of the antenna is 113 Meters above ground level. RFR safety compliance was determined using OET FM Model program. For the proposed KROM auxiliary antenna, the maximum power density level contributed by the operation would be 9.23 microwatts/centimeter<sup>2</sup> or 4.6% of the maximum for general population, uncontrolled exposure at two meters above ground level. This maximum level occurs at 31 meters from the base of the tower. This is below 5% of the maximum level for general population, uncontrolled exposure and exempts the applicant from further study. The base of the tower is fenced. The site is located in a restricted access industrial area. There are signs warning of RF radiation hazards to climbers.

As the site is used rarely, for backup and emergency purposes only, it will not be necessary to have the antenna energized in the event of work on the tower.

This application is excluded from environmental processing as defined in 47C.F.R. 1.1306, and 1.1307, as it is merely to install an antenna and transmission line on an existing tower for auxiliary purposes. No other changes to the site will be made as a result of a grant of this application. As described above, the site will meet the RF radiation safety requirements outlined in 47C.F.R. 1.1310.