

**ENGINEERING EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
KPTY AUXILIARY
TICHENOR LICENSE CORPORATION
MISSOURI CITY, TEXAS
Channel 285 C3**

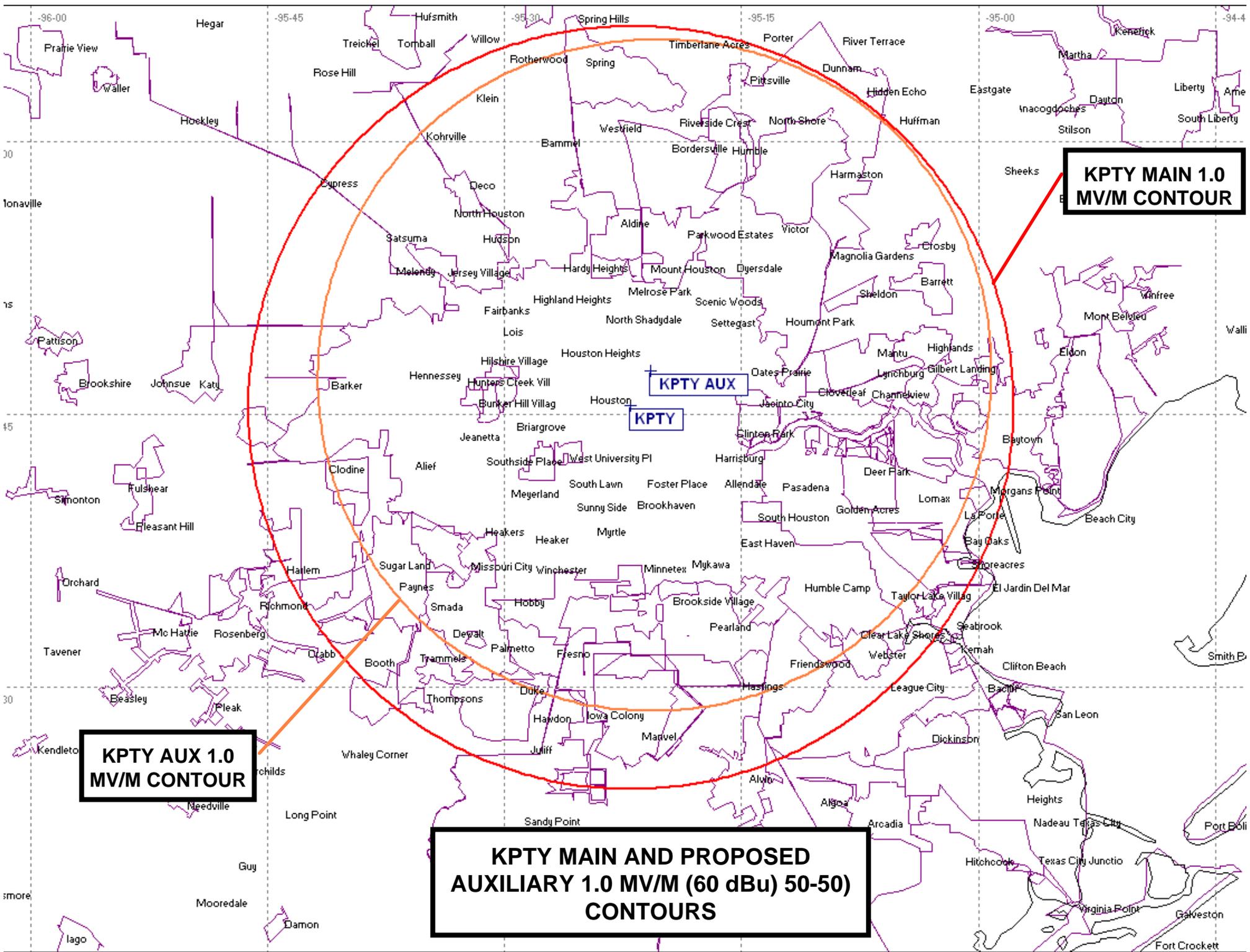
ENGINEERING STATEMENT

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 7.2 Kilowatts at 139.6 Meters HAAT. The Comstudy 30-second terrain database was used to determine this HAAT. The one Milivolt contour of the proposed auxiliary site does not exceed the one Milivolt contour of the licensed main. The next page contains a map showing the predicted contours of the main and auxiliary facilities. The site will use an ERI SHPX-6AC6-SP full wave spaced antenna. It is designed for two other stations to use as an auxiliary antenna: KLTN, Houston, Texas and KOVE, Galveston, Texas. Applications for these will be filed imminently. This site is considered a single user FM site, as there will be no facilities in place to combine all three of these proposed auxiliaries into the antenna. It will operate with one user only.

The tower registration for this site is 1223959. The coordinates for this tower in NAD27 datum are: 29°-47'-25.9" North Latitude 95°-20'-42.6" 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 137.6 Meters above ground level. RFR compliance was determined using the RF worksheets. The answer to question/line 12 is less than 3%. The answer to question/line 14 is "NO". Therefore, no further study is required; the site meets requirements for uncontrolled access-general population exposure. The site will have signs posted warning of RF hazards to climbers and casual visitors. The base of the tower is fenced. The site is located in a restricted access industrial area. As the site is for backup and emergency purposes only, it will not be a problem to have the antenna de-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 demonstrated above, the site meets the RF radiation requirements outlined in 47C.F.R. 1.1310.



**KPTY MAIN 1.0
MV/M CONTOUR**

KPTY AUX

KPTY

**KPTY AUX 1.0
MV/M CONTOUR**

**KPTY MAIN AND PROPOSED
AUXILIARY 1.0 MV/M (60 dBu) 50-50
CONTOURS**