

**APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
BLUESTONE LICENSE HOLDINGS, INC.
KTXS-DT, SWEETWATER, TEXAS**

Environmental Considerations

The antenna for the KTXS-DT operation is that currently used pursuant to Special Temporary Authority. The antenna is mounted on the existing KTXS-TV, channel 12, antenna supporting tower at a height of 229 meters above ground. Use of this established transmitting site with no change in the existing tower height assures the avoidance of a significant effect that would require preparation of an environmental assessment. Furthermore, as discussed below, the operation would comply with the maximum permitted RF exposure.

Calculated maximum RF exposure in the vicinity of the KTXS tower, at a height of two meters above ground, stemming from the proposed operation on channel 20 is 0.42 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$), 0.12 percent of the general population/uncontrolled maximum permitted exposure of $339 \mu\text{W}/\text{cm}^2$ at channel 20. The calculation was performed as prescribed in OET Bulletin 65.

Procedures for avoiding excessive exposure during work on the tower assure that, with the KTXS-DT transmission system in use, maintenance tasks can be carried out without subjecting workmen to exposure in excess of that permitted by the rules. Power is reduced, or transmitters shut down as necessary to avoid over-exposure.