

**Human Exposure to Radiofrequency Electromagnetic Field
&
Section 106 Compliance
(Environmental)**

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. 1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997, regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. Saver Media, Inc. seeks to modify FCC KQTC Channel 258C2, Facility ID# 190414, licensed to Eldorado, Texas by changing the community of license to Christoval, Texas. No changes to the technical facility are being proposed. KQTC will continue to operate from the existing tower which is 135.6 meters in overall height and is registered with the FCC Antenna Structure Registration (ASR) Number 1289229. The tower is located at 31° 00' 32.3 N ~ 100° 30' 54.6 W (NAD 27). The transmit antenna is an ERI LP-8C 8 bay full wave circularly polarized non-directional antenna.

KQTC operates with a center of radiation of 123 meters AGL with 50.0 kW ERP at 121 meters HAAT. Because this facility operates from an existing tower and no modification of the tower are being made, it is believed to be exempt from a Section 106 review by the SHPO/THPO.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Using this antenna, the maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 13.31 $\mu\text{W}/\text{cm}$ at 33 meters, which is 6.66 percent of the general population/uncontrolled maximum permitted exposure limit and 1.33% of the of the limit for "controlled" environments.

The applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. 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 or occupy a hazardous area for maintenance or inspection.