

**APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT  
BLUESTONE LICENSE HOLDINGS, INC.  
KAEF-DT, ARCATA, CALIFORNIA**

**Environmental Considerations**

The antenna to be used for the relocated transmitting facility of KAEF-DT will be mounted on the existing KEET, channel 13, antenna supporting tower at a height of 114.3 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 KEET tower, at a height of two meters above ground, stemming from the proposed operation on channel 22 is only 1.30 microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ), 0.37 percent of the general population/uncontrolled maximum permitted exposure of  $347 \mu\text{W}/\text{cm}^2$  at channel 22. The calculation was performed as prescribed in OET Bulletin 65.

Procedures for avoiding excessive exposure during work on the tower will be revised to assure that, with the KAEF-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 will be reduced, or transmitters shut down as necessary to avoid over-exposure.