

**Engineering Statement**  
**KYSR Los Angeles, CA**  
**FID 36019**

The constructed facilities were evaluated in terms of radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The constructed antenna system is a 6 element ERI SHPX-6C6-SP antenna with an interbay spacing of  $0.79\lambda$  at 98.7 MHz. The antenna is mounted with its center of radiation 87 meters above ground level and operates with an effective radiated power of 75 kilowatts in both the horizontal and vertical planes as authorized in BMLH-19991013AAK. At 2 meters above ground this facility contributes a worst case exposure level of  $4.6 \text{ uW/cm}^2$  corresponding to 0.46% of the allowable ANSI limit for controlled exposure and 2.3% of the allowable limit for uncontrolled exposure at 78 meters from the base of the tower. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, 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 for maintenance or inspection.