

KHSL-FM Radio Station
Channel 278B1 - 103.5 MHz
Paradise, California

Radio Frequency Radiation Study and Statement

The facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."

The KHSL-FM antenna system will be mounted with its center of radiation 71 meters above ground level. The station proposes to operate with an effective radiated power of 2.5 kilowatts in both the horizontal and vertical planes. Assuming a standard ERI or Jampro ring radiator "rototiller" style antenna of no fewer than two sections spaced one wavelength apart, at two meters, the height of an average person, at the base of the tower, this proposal will contribute, worst case, 4.746 microwatts per square centimeter, or .4746% of the allowable ANSI limit for controlled exposure, and 2.38% of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OST Bulletin Number 65 as required by the Federal Communications Commission.

The applicant will reduce the power of the facility, switch to an Auxiliary antenna, 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.