

RF HAZARD STATEMENT

RADIO STATION KCLU
SANTA BARBARA, CALIFORNIA
1340 kHz, 0.74 kW-D, 0.7 kW-N, U

This statement was prepared for AM broadcast station KCLU, Santa Barbara, California (1340 kHz). This statement concerns an evaluation of compliance with Section 1.1307(b) of the FCC Rules^{*} regarding human exposure to radio frequency (RF) energy.[†]

The proposed KCLU facility will operate with a non-directional antenna with a nominal power level of no greater than 0.74 kW. The antenna tower element has an equivalent electrical height of 68.7° (0.19 wavelength).

The tower is enclosed by a fence that is located no less than 4 meters from the base of the tower. Supplement A of the FCC OET Bulletin No. 65 was employed to determine the minimum distance for compliance with the RF exposure requirements.[‡] Pursuant to Tables 1 and 2 of Supplement A, for a frequency of between 1150 and 1340 kHz and for antenna with a height of between 0.1 and 0.25 wavelength, with a transmitter power of as high as 1 kW, the minimum distance for compliance with the FCC RF exposure standard is 3 meters. Therefore, the KCLU antenna is compliant with the FCC RF exposure requirements. In the event that personnel need to enter the fenced area, the power level shall be reduced or terminated as necessary to prevent human exposure to radio frequency energy in excess of FCC specified levels.

^{*} See Rules of the United States Federal Communications Commission (FCC), generally at Title 47 of the Code of Federal Regulations (Telecommunication).

[†] See FCC Office of Engineering and Technology Bulletin No. 56 for background information on non-ionizing RF energy of the type discussed here. Internet web reference:

http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet56/oet56e4.pdf

[‡] See FCC Office of Engineering and Technology Bulletin No. 65, *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields*, Edition 97-01, released August, 1997, and *Supplement A: Additional Information for Radio and Television Broadcast Stations*