

MINOR CHANGE APPLICATION
KJUL LICENSE, LLC
KFRH RADIO STATION
CH 274C - 102.7 MHZ - 100.0 KW
BOULDER CITY, NEVADA
June 2008

EXHIBIT B

Radio Frequency Assessment

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 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. The tower on which the KFRH antenna is to be located is in an established tower farm. This study utilizes the appropriate formulas contained in the OET Bulletin.¹

The proposed KFRH antenna system is a twelve bay Dielectric panel antenna, Model DCBD-036-12FMB/36H-4. The antenna is to be mounted with its center of radiation 133.0 meters (436.4 feet) above the ground at the tower location and will operate with an effective radiated power of 100.0 kilowatts in the horizontal and vertical planes (circularly polarized). Using the elevation data provided by the manufacturer, we have analyzed the contribution of the operation of KFRH to the radio frequency environment. Based on the data, we find that the KFRH antenna system will, at 2.0 meters above the ground at the base of the tower (the height of an average person), contribute 0.0053 mw/cm^2 .² Based on exposure

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- 1) The contributions of the FM stations were calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations unless otherwise noted.
 - 2) This level of field occurs at 35.0 meters out from the base of the tower and is considered worst case. The antenna vertical elevation pattern at elevations beyond 20° produces a power of 2.25 kilowatts.

limitations for a controlled environment, 0.5% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 2.7% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

Since this level for controlled and uncontrolled environments is less than the 5% limit defined by the Commission in §1.1307(b)(3)(i), and the proposed KFRH facility is located in a de facto tower farm, this proposal is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. KLL will also insure that warning signs have been posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, KLL will reduce the power of the facility or cease operation in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower, or antenna from radio frequency radiation in excess of FCC guidelines.