

**MINOR CHANGE APPLICATION**  
**APEX BROADCASTING, INC.**  
**KNUF RADIO STATION**  
**CH 221C3 - 92.1 MHZ - 25.0 KW**  
**DEQUINCY, LOUISIANA**  
**December 2003**

**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. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.<sup>1</sup>

The proposed KNUF antenna system will be mounted with its center of radiation 92.6 meters (303.7 feet) above the ground at the tower location and operate with an effective radiated power of 25.0 kilowatts in the horizontal and vertical planes (circularly polarized). At two meters, the height of an average person above the ground, at the base of the tower, the KNUF antenna system will contribute 0.1224 mw.<sup>2</sup> Based on exposure limitations for a controlled environment, 12.2% of the allowable ANSI limit is reached at two meters above the ground at the base of the tower. For uncontrolled environments, 61.2% of the ANSI limit is reached at two meters above the ground at the base of the tower.

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- 1) The contribution of the FM station was calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations, unless otherwise noted.
  - 2) This level of contribution occurs at 24 meters out from the tower and is considered worst case.

Since this level for uncontrolled environments is below the 100% limit defined by the Commission, the proposed KNUF facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Apex Broadcasting, Inc. (“Apex”) will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Apex will reduce the power of the proposed facility or cease operation, in cooperation and coordination with the 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. Based on the above factors, this proposal is categorically excluded from environmental processing pursuant to §1.1306 of the Commission’s rules.