

**OUT-OF-CORE DISPLACEMENT APPLICATION**

**BMP 100.5 FM, LP**

**KNEX-LP LPTV STATION**

**CH 42 - 638-644 MHZ - 15.0 KW**

**LAREDO, TEXAS**

**August 2011**

**EXHIBIT B**

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 utilizes the appropriate formulas contained in the OET Bulletin. The proposed KNEX-LP antenna system is located on one of three towers located in the same general vicinity. Therefore, this location is considered a tower farm. This study utilizes the appropriate formulas contained in the OET Bulletin.

The proposed KNEX-LP Channel 42 digital antenna system will be mounted with its center of radiation 243.8 meters (800.0 feet) above ground and will operate with an effective radiated power of 15.0 kilowatts in the horizontal plane. At 2.0 meters above the ground at the base of the tower, the proposed KNEX-LP antenna system will contribute 0.0034 mw/cm<sup>2</sup>. Based on exposure limitations for a controlled environment, 0.2% of the allowable ANSI limit is reached at 2.0 meters above the ground. For the uncontrolled environment, 0.8% of the limit is reached at 2.0 meters above the ground.

Since the levels for both the controlled and uncontrolled environments are each less than the 5% limit defined by the Commission in §1.1307(b)(3)(i) and the proposed KNEX-LP antenna

is located on a tower in a tower farm, this proposal is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, BMP has posted warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, BMP will reduce the power of the facility or cease operation, in cooperation and coordination with other site users, as necessary, to protect persons having access to the site, structure or antenna from radio frequency radiation in excess of FCC guidelines.