

**AMEND BPCDT-20080321ACM**  
**J.F. BROADCASTING, LLC**  
**KWSD-DT TELEVISION STATION**  
**CH 36 - 602-608 MHZ - 400.0 KW (DA)**  
**SIOUX FALLS, SOUTH DAKOTA**  
**April 2008**

**EXHIBIT E**

**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 and considers all nearby stations, specifically the co-located KTTW-DT, and utilizes the appropriate formulas contained in the OET Bulletin.

The proposed KWSD-DT Channel 36 antenna system is/will be mounted with its center of radiation 245.9 meters (806.8 feet) above the ground at the tower location and will operate with an effective radiated power of 400.0 kilowatts in the horizontal plane. At 2.0 meters above the ground at the base of the tower, the height of an average person, the KWSD-DT antenna system will contribute  $0.0899 \text{ mw/cm}^2$ . Based on exposure limitations for a controlled environment, 4.5% of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 22.4% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

The proposed KTTW-DT Channel 7 antenna system will be mounted with its center of radiation 233.8 meters (767.0 feet) above the ground at the tower location and will operate with an effective radiated power of 7.5 kilowatts in the horizontal plane. At 2.0 meters above the ground at the base of the tower, the height of an average person, the KTTW-DT antenna system will contribute  $0.0019 \text{ mw/cm}^2$ . Based on exposure limitations for a controlled environment, 0.2% of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 0.9% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

Combining the contributions of KWSD-DT and KTTW-DT, a total of 23.3% of the limit for uncontrolled environments is reached at 2.0 meters above the ground at the base of the tower. Since this level for the uncontrolled environment is far below maximum limit defined by the Commission, it is believed that this proposal is in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, JFB will insure that warning signs are posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, JFB 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.