

**MINOR CHANGE APPLICATION**  
**MILLER COMMUNICATIONS, INC.**  
**WWBD (FM) RADIO STATION**  
**CH 239C3 - 95.7 MHZ - 25.0 KW**  
**BAMBERG, SOUTH CAROLINA**  
**October 2003**

**EXHIBIT B**

**Radio Frequency Radiation Study**

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 stations, specifically AM station WRIT, and utilizes the appropriate formulas contained in the Bulletin.

The proposed WWBD antenna system will be mounted with its center of radiation 86 meters (282.2 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 WWBD antenna system will contribute 0.14952 mw. Based on exposure limitations for a controlled environment, 15% of the allowable ANSI limit is reached at two meters above the ground at the base of the tower. For uncontrolled environments, 74.6% of the ANSI limit is reached at two meters above the ground at the base of the tower.

The co-located WRIT AM facility operates with a power of 1.0 kilowatt on 790 kHz and an electrical tower height of 81° (0.225 ). It is proposed to limit access to the tower base at a distance not closer than 3.0 meters. By reference to Figure 2 of OET 65-A, a tower radiating 1.0 kilowatt will deliver 100.0 V/m (Electric Field) or 0.342 A/m (Magnetic Field). Since the stations operates below 1340 kHz, the contribution level for controlled and uncontrolled environments is the same. These figures represent 16% of the Electric Field Limit of 614 V/m or 21% of the Magnetic Field Limit of 1.63 A/m. Analysis using the Magnetic Field Limit contribution of 21% is considered worst case.

Combining the contributions of WWBD and WRIT, a total of 95.6% percent of the uncontrolled environment level is reached at two meters above the base of the tower. Since this level for uncontrolled environments is below the 100% limit defined by the Commission, the proposed WWBD facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Miller Communications, Inc. ("Miller"), will verify that warning signs have been posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Miller will reduce the power of the proposed 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. Based on the above factors, this proposal is categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.