

**MINOR CHANGE APPLICATION**  
**CAPSTAR TX LLC**  
**WWW-FM RADIO STATION**  
**CH 275B - 102.9 MHZ - 50.0 KW**  
**ANN ARBOR, MICHIGAN**  
**July 2010**

**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 WWW-FM antenna system will be mounted with its center of radiation 116.3 meters (381.7 feet) above the ground at the tower location and will operate with an effective radiated power of 50.0 kilowatts in the horizontal and vertical planes (circularly polarized). At 2.0 meters, the height of an average person, above the ground at the base of the tower, the WWW-FM antenna system will contribute  $0.1539 \text{ mw/cm}^2$ .<sup>2</sup> Based on exposure limitations for a controlled environment, 15.4% of the allowable ANSI limit is reached at 2.0 meters above the base of the tower. For uncontrolled environments, 76.9% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

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- 1) The contributions of the FM stations are calculated with the FMModel program. The EPA dipole antenna was used for calculations unless otherwise noted.
  - 2) This level of contribution occurs at 31.0 meters out from the tower and is considered worst case.

Since the contribution level for the tower site is below the 100% limit defined by the Commission, the proposed minor change for WWW-FM is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Capstar 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, Capstar 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.