

**MODIFY BNPTT-20000802AEI**  
**MAINSTREET BROADCASTING CO., INC.**  
**K34GI LPTV STATION**  
**CH 34+ - (590-596 MHZ) - 1.0 KW**  
**TRINIDAD, COLORADO**  
**November 2002**

**EXHIBIT B**

**Radio Frequency and Environmental 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 stations and utilizes the appropriate formulas contained in the Bulletin.

**Environmental Analysis**

The proposed K34GI tower does not involve the use of high intensity white lighting (strobes) in a residential neighborhood. The structure is not located in an officially designated wilderness area or wildlife preserve, nor does it threaten the existence or habitat of endangered species. The facility does not affect districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering or culture that are listed in the National Register of Historic Places, or are eligible for listing, nor does it affect Indian religious sites. Further, the site is not located in a floodplain and will not, to the knowledge of the applicant, require significant change in surface features (wetland fill, deforestation or water diversion) at the time of construction.

**Radio Frequency Radiation Study**

This radio frequency radiation study is being conducted to determine whether this proposal is in compliance with OET Bulletin Number 65, dated August 1997, 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.

The proposed K34GI antenna system will be mounted with its center of radiation 27.4 meters (90.0 feet) above the ground at the tower location and will operate with an effective radiated power of 1.0 kilowatts in the horizontal plane. At two meters, the height of an average person, above the ground at the base of the tower, the K34GI antenna system will contribute 0.0321 mw. Based on exposure limitations for a controlled environment, 1.6% of the allowable ANSI limit is reached at two meters above the ground at the base of the tower. For uncontrolled environments, 8.2% of the ANSI limit is reached at two meters above the ground at the base of the tower.

Since this level for uncontrolled environments is well below the 100% limit defined by the Commission, the proposed K34GI facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Mainstreet Broadcasting Co., Inc. ("MBC"), will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, MBC, 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. Based on the above factors, this proposal is categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.