

MODIFY BPH-20000118ADW
LOVETT COMMUNICATIONS, INC.
WSLE (FM) RADIO STATION
CH 272C2 - 102.3 MHZ - 9.0 KW
CAIRO, GEORGIA
May 2001

EXHIBIT C

Radio Frequency and Environmental Assessment

Due to the co-location of the proposed WLSE with TV station WTXL-TV and WTXL-DT, the RFR worksheets associated with the FCC Form 301 could not be used to verify compliance with the Commission's radio frequency radiation rules. Therefore, 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 existing 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 did 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, specifically the co-located TV stations WTXL-TV and WTXL-DT, and utilizes the appropriate formulas contained in the OET Bulletin.⁵

The proposed WSLE antenna system will be mounted with its center of radiation 350.5 meters (1,150.0 feet) above the ground at the tower location and operate with an effective radiated power of 9.0 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 WSLE antenna system will contribute 0.0029 mw.⁶ Based on exposure limitations for a controlled environment, 0.3% of the allowable ANSI limit is reached at two meters above the ground at the base of the tower. For uncontrolled environments, 1.5% of the ANSI limit is reached at two meters above the ground at the base of the tower

The authorized WTXL-TV NTSC Channel 27 antenna system will be mounted with its center of radiation 513.2 meters (1,683.7 feet) above the ground at the tower location and operate with an effective radiated power of 2,690.0 kilowatts in the horizontal plane. At two meters, the height of an average person, above the ground at the base of the tower, the WTXL-TV antenna system will contribute 0.2132 mw. Based on exposure limitations for a controlled environment, 11.7% of the allowable ANSI limit is reached at two meters above the ground at

5) The contributions of the FM stations are calculated with the FMModel program. The EPA dipole antenna was used for calculations unless otherwise noted.

6) This level of contribution occurs at 94.0 meters out from the tower and is considered worst case.

the base of the tower. For uncontrolled environments, 58.4% of the ANSI limit is reached at two meters above the ground at the base of the tower.

The proposed WTXL-DT Channel 22 DTV antenna system will be mounted with its center of radiation 491.2 meters (1,611.5 feet) above the ground at the tower location and operate with an effective radiated power of 1,000.0 kilowatts in the horizontal plane. At two meters, the height of an average person, above the ground at the base of the tower, the WTXL-DT antenna system will contribute 0.0866 mw. Based on exposure limitations for a controlled environment, 5.0% of the allowable ANSI limit is reached at two meters above the ground at the base of the tower. For uncontrolled environments, 25.1% of the ANSI limit is reached at two meters above the ground at the base of the tower.

Combining the contributions of WSLE, WTXL-TV and WTXL-DT, a total of 85.0% of the ANSI limit for uncontrolled environments is reached at two meters above the base of the tower. Since this level for uncontrolled environments is well below the 100% limit defined by the Commission, the proposed WSLE facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, Lovett Communications, Inc. (Lovett) will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Lovett 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.