

AMEND BPH-20070705ADV
MINOR CHANGE APPLICATION/
CHANGE COMMUNITY OF LICENSE
MILLER COMMUNICATIONS, INC.
WWBD (FM) RADIO STATION
CH 240C2 -95.9 MHZ - 50.0 KW
ISLE OF PALMS, SOUTH CAROLINA
January 2008

EXHIBIT C

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. As the proposed WWBD antenna is being mounted on a relatively short tower, it was not possible to use the worksheets to verify that the proposed WWBD facility is in compliance with the Commission's radio frequency exposure limits. This study considers all nearby stations, specifically the co-located WXTC (AM), and utilizes the appropriate formulas contained in the OET Bulletin.¹

The proposed WWBD antenna system is to be mounted with its center of radiation 104.2 meters (341.8 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). The WWBD antenna is to be an Electronics Research, Inc., rototiller style four bay full wavelength antenna system (FCC/EPA Type #3). At 2.0 meters above the ground at the base

1) The contributions of the FM facilities were calculated using the FMModel program. A single bay EPA dipole antenna was used for calculation purposes. In cases where the number of bays of the antenna was known, this data was used in the FMModel program.