

MODIFY BPH-20070705ADT
NM LICENSING LLC
WKZQ-FM RADIO STATION
CH 269C1 - 101.7 MHZ - 100.0 KW
HANAHAN, SOUTH CAROLINA
May 2008

EXHIBIT A

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.¹ The WKZQ-FM antenna system (which is already located at this site and is being used by other stations) is one of several systems located on multiple towers at the Venning Road tower farm in Mount Pleasant, South Carolina. This location is a defacto tower farm.

The proposed WKZQ-FM antenna system is mounted with its center of radiation 234.7 meters (770.0 feet) above the ground at the tower location and will operate with an effective radiated power of 100.0 kilowatts in the horizontal and vertical planes (circularly polarized). The WKZQ-FM antenna is an Electronics Research, Inc., rototiller style antenna system (FCC/EPA Type #3), ten bay full wavelength spaced antenna. At 2.0 meters above the

1) The contributions of the FM stations were calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations unless otherwise noted.

ground at the base of the tower, the height of an average person, the WKZQ-FM antenna system will contribute 0.0063 mw/cm^2 .² Based on exposure limitations for a controlled environment, 0.6% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 3.2% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

Since this level for controlled and uncontrolled environments is less than the 5% limit defined by the Commission (§1.1307(b) (3)(i)), the proposed WKZQ-FM facility is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. NM will also insure that warning signs have been posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, NM 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.

2) This level of field occurs at 57.0 meters out from the base of the tower and is considered worst case.