HUMAN EXPOSURE TO RADIOFREQUENCY ("RF") ELECTROMAGNETIC FIELDS COMPLIANCE CERTIFICATION STATEMENT PREPARED BY WILLIAM T. GODFREY, JR. OF THE FIRM KESSLER AND GEHMAN ASSOCIATES, INC. (KGA) TELECOMMUNICATIONS CONSULTING ENGINEERS IN CONNECTION WITH THE GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION'S APPLICATION FOR LICENSE FOR ITS NON-COMMERCIAL EDUCATIONAL FM BROADCAST FACILITY, WJWV-FM CHANNEL 215 (90.9 MHz), FORT GAINES, GA.

Environmental Impact

The WJWV-FM Channel 215 Class C1 facility has no significant environmental impact as defined in §1.1307 of the FCC Rules. The FM transmitter, transmission line and antenna system produces an ERP of 81 kW (vertical) and 20.5 kW (horizontal). It was determined that the maximum lobe of radiation from the base of the tower will occur at approximately 44.4 feet from the base of the tower (160.9-foot radial distance from the antenna center). At approximately 44.4 feet from the base of the tower, the depression angle of the main lobe is approximately 74° below the horizontal. At that point, the relative field is 0.242 and the power density six feet above the ground is 0.0827 mW/cm². This equates to 8.27% of the maximum permissible exposure ("MPE") limits for Occupational/Controlled Exposure and 41.36% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute ("ANSI"). Since the operation of the WJWV-FM Channel 215 facility will exceed 5.0% of the MPE limit for Occupational/Controlled Exposure and General Population/Uncontrolled Exposure at various points on the ground, WJWV-FM is considered a "contributor" to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, all broadcast antennas on the WJWV-FM tower must be analyzed and a composite study must be prepared to demonstrate that the total power density of all broadcast antennas mounted on the tower would not exceed 100% of the MPE allowable.

Since the only broadcast antenna mounted on the WJWV-FM support structure is the WJWV-FM antenna, the composite power density on the support structure is equal to the power

density produced by the WJWV-FM facility. Therefore, the total RF energy emanating from the single antenna mounted on the WJWV-FM support structure is 8.27% of the MPE limits for Occupational/Controlled Exposure and 41.36% of the MPE limits for General Population/Uncontrolled Exposure. Accordingly, the total exposure, which is generated by the WJWV-FM facility alone, results in exposure levels well below the allowable exposure threshold authorized by the ANSI and the FCC. It is safe to conclude that the emissions are insignificant and well within the maximum allowable requirements.

If other antennas are placed on the tower in the future, the licensee will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from the electromagnetic radiation emanating from the antenna. It is also understood that additional antennas on the support structure could increase the overall RF exposure levels and it is the responsibility of each licensee to ensure that the total RF exposure resulting from the operation of all antennas on the support structure do not exceed the maximum permissible exposure level at any point on the ground.

Certification

This technical statement was prepared by William T. Godfrey, Jr., Telecommunications Technical Consultant with Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and has been working in the field of radio and television broadcast consulting since 1998. He graduated from the University of North Florida with a Bachelor of Arts degree in Criminal Justice and a minor in Mathematics in 1993. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.

KESSLER AND GEHMAN ASSOCIATES, INC.

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Telecommunications Technical Consultant 1 May, 2009