

ENGINEERING REPORT

2012 License Renewal Radio Frequency (RF) Protection Study

WOWO(AM) – Fort Wayne, IN (Analog & HD/IBOC)
License No BMML-20120124AGF

March, 2012

CERTIFICATION OF ENGINEERS

The firm of Munn-Reese, Inc., Broadcast Engineering Consultants, with offices at 385 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The data utilized in this report was taken from the FCC Secondary Database and data on file. While this information is believed accurate, errors or omissions in the database and file data are possible. This firm may not be held liable for damages as a result of such data errors or omissions.

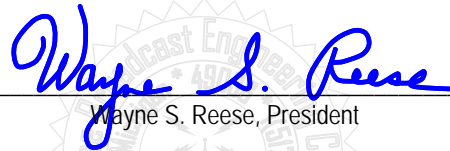
The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of the laws of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

March 30, 2012

MUNN-REESE, INC.

By


Wayne S. Reese, President

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By


Justin W. Asher, Project Engineer

License Renewal

Compliance with Radiofrequency Radiation Guidelines

This firm was retained to study the potential for human exposure to non-ionizing radiofrequency radiation at the common daytime and nighttime site of existing station WOWO(AM) – Fort Wayne, IN. There are no other licensed facilities located within 315 meters of the common site.

The WOWO(AM) – Fort Wayne, IN analog AM facility (Lic No. BMML-20120124AGF) operates on a frequency of 1190 kHz with a daytime non-directional power of 50.0 kW and a nighttime directional power of 9.8 kW employing a three (3) tower array. The daytime non-directional tower is common to the nighttime three tower array. All towers utilized vertical radiators 180° or 0.500 λ (wavelengths) for operation on 1190 kHz. Existing fencing has been measured to be no less than 6 meters (19.7 feet) for each tower.

WOWO(AM) also operates with AM HD/IBOC facilities pursuant to *MM Docket No. 99-325, First Report and Order (October 11, 2002) – Digital Audio Broadcasting Systems and Their Impact on the Terrestrial Radio Broadcast Service*. The applicant reasserts that pursuant to BDSTA-20030402AFQ:

1. The facility commenced digital operations on April 2, 2003.
2. The facility conforms to the iBiquity Digital Corporation hybrid AM specifications.
3. In the event of interference, questions are to be directed to Jack Didier: 1(574)372-3064.
4. Transmitter Output Powers are as follows: Combined: 50.0 kW (Day) 9.8 kW (Night)
Analog: 50.0 kW (Day) 9.8 kW (Night)
Digital: within FCC and NRSC Limits
for Hybrid Digital Operation
5. The analog effective radiated power remain as authorized after commencement of digital operations.
6. The interim digital operation will not cause human exposure to levels of radio frequency radiation in excess of Section 1.1310 of the Commission's rules and is therefore categorically excluded from environmental processing pursuant to Section 1.1306 (b). Table 3 of Supplement A specifies for 0.41-0.55 wavelength AM towers operating on 1190 kHz with a total input power of 50.0 kW or less, the non-ionizing radiation will fall to safe levels at distances of 4 meter (13.1 feet) or more. As the existing fencing around the base of each tower is built to no less than 6 meters (19.7 feet), the current fencing exceeds the required level level of protection. Access to the area within the fence is limited by means of locked gates. In addition to these measures, signs are posted warning of the potential for exposure to excessive levels of non-ionizing radiofrequency radiation. In the event maintenance personnel are required to work within the restricted area, they will be advised to limit their work in the high RF field areas to specified periods of time appropriate for compliance with the FCC guidelines set forth in OET Bulletin No. 65 (Edition 97 01). If their work cannot be completed within the specified period of time, it is proposed to reduce power appropriately or shut down the operation of the station to permit completion of the assignment. There are no additional sources of radiofrequency radiation subject to the guidelines of OET Bulletin No. 65 (Edition 97 01) at this location.
7. The primary digital carrier power for WOWO(AM) remains within the iBiquity specified levels.