

## EXHIBIT # 16

### R.F. RADIATION COMPLIANCE STATEMENT

Channel 300 – 0.038 kW H & V  
Madison, Wisconsin

August 2003

The proposed single-bay antenna will be energized such that it produces 0.038 kW effective radiated power, circularly polarized, from a center of radiation of 72 meters above the ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") a total, head-height, maximum field, non-ionization radiation level of .003 microwatts per square centimeter was calculated at a head-height point 70 meters from the center of radiation of the transmitting antenna. This calculation uses the proposed three-bay Shively 6812-3, type #6, element and array pattern as measured by the E.P.A. The calculated value amounts to only 0.0003 percent of the maximum for a controlled area and .0013 percent for an uncontrolled area. The proposed antenna will be mounted on the WHA (AM) tower, however since the contribution of the proposed translator is calculated to be less than one percent, further analysis was deemed unnecessary.

The applicant will further protect workers by either reducing ERP or terminating transmission when required.

Consequently, it appears that the proposed FM translator station will be in full compliance with the Commission's rules and regulations with regard to human exposure to radiofrequency electromagnetic fields.