

## EXHIBIT - 4

### RF RADIATION CERTIFICATION

The proposed antenna is energized such that it produces 86.0 KW ERP circularly polarized from the center of radiation of 212 meters above ground. Based on the formulas expressed in OET bulletin No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnet Fields" published by the Federal Communications Commission's Office of Engineering and 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**"), The highest calculated power density can be found at a distance of 51 meters from the tower base and 2 meters above ground. At this location the value is 6.577 microwatts per square centimeter. Since the tower will be fenced with a locked gate (inaccessible to the public) this value amounts to .6577 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 3.288 percent of maximum. Therefore, This proposal is in full compliance with all applicable FCC rules. These calculations were preformed using the V-Soft Communications RFhaz program.

In addition to the proposed FM antenna, This tower will also support WFSU-DTV facilities.

WFSU-DTV will operate on channel 32 with 937.8KW ERP and a HAGL of 242m. This will result in a value of 201.193 microwatts per square centimeter. This value amounts to 10.39 percent in a controlled environment and 51.94 percent in uncontrolled.

**Both facilities will result in a value of 207.77 microwatts per square centimeter. The result will amount to 11.0477 percent in a controlled environment and 55.228 percent in uncontrolled.**

**In regard to protecting workers at the tower site;** Should tower workers be required to work at the tower site where exposure would result in a non-ionization radiation level greater the commissions maximum level, that applicant will cause the proposed FM antenna to cease radiating or will lower the power until the workers clear the area. The applicant certifies that it has an agreement with the other users of the tower to lower power or to cease operation of their transmitters in the event of a worker is required to be in a zone affected by their antenna which would otherwise result in more then the maximum exposure.