

## **RF CERTIFICATION AND STATEMENT**

The proposed WVFS antenna will be energized such that it produces 7.0 kW Max ERP, Vertical polarization, from the center of radiation 12 meters above the ***building rooftop***. The applicant proposes to employ a SWR FMEV/4, 4 bay antenna system. Based on the formulas expressed in OET bulletin No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic 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 5.125 meters from the rooftop tower. At this location the value is 114.057 Microwatts per square centimeter. Since access to the rooftop is locked, (inaccessible to the public) this value amounts to 11.405 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 57.0287 percent of maximum. This proposal is in full compliance with all applicable FCC rules. These calculations were performed using the V-Soft Communications RFHaz program.

Should work be required on the supporting structure where exposure would be greater than the maximum allowed, the applicant would lower power or cease operation until the work is completed. The applicant will post a sign on the building rooftop to warn of the possible RF hazards.

Regarding compliance with the nationwide programmatic agreement and NHPA Section 106, no new tower is proposed. The present tower will be employed to support the 4 bay antenna system. It is believed that this proposal will have no significant environmental impact.

However, if the Commission determines that compliance is necessary, upon notification, Florida State University (applicant) will prepare the necessary form 621 once they employ a qualified environmental consulting firm.

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