RF CERTIFICATION
AND STATEMENT.

The proposed antenna will be energized such that it produces 32.0 kW ERP, vertical only Polarization, from the center of radiation of 83 meters above the ground. The applicant will employee a four (4) bay E.R.I. 1.0λ vertical 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 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 37.6 meters from the tower. At this location the value is 11.062 microwatts per square centimeter. Since the tower site is locked, (inaccessible to the public) this value amounts to 1.1063 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 5.531 percent of maximum. This proposal is in full compliance with all applicable FCC rules. These calculations were preformed 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 works is completed.

Since this is a new tower structure the applicant assures the Commission that the SHPO and THPO issues will be addressed with the aid of a qualified environmental engineering firm.

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