

## RF CERTIFICATION AND STATEMENT

The proposed antenna will be energized such that it produces 0.25 kW ERP, circular polarized, from the center of radiation 18 meters above the ground. The applicant proposes to employ an 3 bay Scala CA5-FM-RM 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 28 meters from the tower. At this location the value is 6.749 Microwatts per square centimeter. Since the tower site is locked, (inaccessible to the public) this value amounts to 0.6749 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 3.374 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.

The applicant will post signs at the tower access to warn of the possible RF hazards. The applicant will also coordinate with any other occupants of the tower and will cease operation if a tower crew will be working on the structure.

Regarding compliance with the nationwide programmatic agreement and NHPA Section 106, if a tower of 61m (200 feet ) or less is proposed , it would be exempt from FAA consent and no ARSN is required. It is believed that this proposal will have no significant environmental impact.

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Manufacturer's Vertical Elevation Field Values are Used.

