

RF CERTIFICATION
AND STATEMENT

The proposed antenna will be energized such that it produces 0.12 kW (120 watts) ERP from the center of radiation 5 meters above the ground. The applicant employs a 1 bay ERI FM-100-1 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 5.1 meters from the tower. At this location the value is 71.36 uW/sq.cm. This value amounts to 7.163 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 35.66 percent of maximum. This proposal is in full compliance with all applicable FCC rules. These calculations were performed using the V-Soft Communications RFHaz-III 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. The attached Google Earth view shows a lack of population within the near field of the antenna system.

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ERI/JAMPRO JBCP "Roto" (EPA)-Type 3, 1 Bay, Spac= 1, H=.12 kW, V=.12 kW, 5 M AG
500

