

**RF CERTIFICATION  
AND  
STATEMENT**

The proposed KHTE-FM aux antenna will be energized such that it produces 0.018 kW ERP from the center of radiation 11.0 meters above the *building rooftop*. The applicant proposes to employ a 1 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 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 12.465 meters from the rooftop tower. At this location the value is 2.475 microwatts per square centimeter. Since access to the roof top is locked, (inaccessible to the public) this value amounts to .2475 percent of the maximum for a "controlled" environment. In an uncontrolled environment, this amounts to 1.237 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 roof top to warn of the possible RF hazards.

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