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Federal Communications Commission
Media Bureau, Audio Division
445 12th St. S.W.
Washington, D.C. 20554

RF Radiation Hazard Determination

In evaluating the proposed facility for RF radiation levels at the base of the tower, the FM RFR calculation program on the FCC OET RF Safety page was used.

The transmission configuration of an ERP of 0.25 kW (Vertical and Horizontally polarized) at a height of 66 meters, with a Shively 6810 2 bay type of antenna was used to model the RF exposure at the ground level (2 meters above ground) . An element spacing of one wavelength was used. This antenna configuration best matches the antenna used at the proposed facility. A horizontal distance of 500 meters was examined. The maximum level predicted was $0.52 \mu\text{watts}/\text{cm}^2$. This represents 0.26 % of the general exposure limit for radiation for this frequency range.

Should you have any questions concerning this analysis, please contact me and I will be happy to help.

Sincerely,



President