

**GREG BEST
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Federal Communications Commission
Media Bureau
445 12th Street SW
Washington, DC 20554

Dear Sir,

This will serve as the exhibit for the RF Radiation Hazard calculation for this proposed facility.

The RF radiation near the ground (2 meters above ground) can be calculated using the OET-65 formula for broadcast television stations taking into account the following factors

S= power density in watts per square meter

P= total Effective Radiated Power from the antenna

F= field radiated on the axis to the ground level

R= distance to the ground level (actually 2 meters above ground)

Therefore, given the following data for WMVT:

P= 807 kwatts in the Horizontal Polarization component and 632 kwatts in the Vertical Polarization component for a total of 1439 kwatts

R=Radiation center above ground level – 2 meters)
= 326 meters

F= 0.1 for UHF antennas

The RF radiation near the ground level can be calculated with the following result:

4.51 $\mu\text{watts/cm}^2$

which is 1.13 % of the general population exposure limit of 399 $\mu\text{w/cm}^2$ for this channel.

Should you have any questions regarding this information please contact me.

Sincerely,



President