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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:

P= 15 kwatts

R=Radiation center above ground level – 2 meters)
= 140 meters

F= 0.1 for UHF antennas

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

0.26 μwatts/cm^2

which is 0.06 % of the general population exposure limit of 415 μw/cm^2

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

Sincerely,

Gregory L Best, PE

President