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Federal Communications Commission  
Media Bureau  
445 12<sup>th</sup> 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 the proposed facility:

P= 32 kwatts in the Horizontal Polarization and 25.9 kwatts in the Vertical Polarization for a total RF power of 57.9 kW (Both powers are summed together to get the total RF exposure).

R=Radiation center above ground level – 2 meters)  
= 314 meters

F= 0.1 for VHF antennas

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

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

which is 0.39 % of the general population exposure limit of 200  $\mu\text{w/cm}^2$  for this channel.

This calculation indicates the RF exposure meets the OET-65 General Population Exposure and Controlled and Occupational Environment requirements.

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

Sincerely,



President