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August 13, 2009

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:

P= 15 kwatts

R=Radiation center above ground level – 2 meters)  
= 8 meters

F= 0.1 for UHF antennas

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

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

which is 21.8 % of the general population exposure limit of 431  $\mu\text{w/cm}^2$  and 4.4 % of the Occupational and Controlled limit for this channel.

The communications site where the transmission facilities are located is fenced, locked, and has appropriate signage so it qualifies as an Occupational Controlled site. The calculated level is significantly less than the FCC's recommended limit of 2.16 mW/cm<sup>2</sup> for channel 43 for a "controlled" environment.

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

Sincerely,



President