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June 12, 2009

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= 1.41 kwatts

R=Radiation center above ground level – 2 meters)
= 10 meters (Because the site is located on a building top, the nearest area where public access was chosen as the distance).

F= 0.1 for UHF antennas

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

9.23 μwatts/cm^2

which is 2.63 % of the general population exposure limit of 350 μw/cm^2

The communications site is a occupational controlled site. The RF exposure according to the OET-65 occupational Controlled limits is 0.53% of the maximum limit and therefore does not constitute a hazard. Personnel that maintain the site are trained in RF safety practices. There are other radiators at this location. The amount of RF exposure contributed by this radiator is less than 1 percent of the total RF radiation and thus is not a RF exposure hazard. If service is performed in the area of the antenna location, applicant stipulates that the output power will be reduced to the amount necessary to prevent any direct radiation exposure to service personnel. The above calculation was performed on a standalone basis.

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

Sincerely,

Gregory L Bert, PE

President