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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)
= 44.9 meters

F= 0.1 for UHF antennas

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

2.48 $\mu\text{watts/cm}^2$

which is 0.74 % of the general population exposure limit of 340 $\mu\text{w/cm}^2$

This facility is planned to be co-located with FCC application BSFDTL20060630DAB. The contribution of the additional application is the same because the radiation center is the same height and the ERP is the same value and is only one channel adjacent (channel 18).

Therefore the total RF exposure percentage expected from these facilities is $2 \times 0.74 = 1.48$ % of the GPE limit guideline of the FCC.

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

Sincerely,

Greg Best

President