

Salinas\_ch\_44\_RFR\_study

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Federal Communications Commission  
Media Bureau  
445 12th Street SW  
Washington, DC 20554

Dear Sir/Madam,

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 (minus 2 meters)

Therefore, given the following data for proposed facility

P= 5 K.watts

R= 44.9 meters

F= 0.1 for this UHF antennas

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

0.83  $\mu$ watts/cm<sup>2</sup>

which is 0.19% of the general population exposure limit of 440 $\mu$ w/cm<sup>2</sup> for this channel of operation.

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

Thank you  
Thomas Werner