THREE ANGELS BROADCASTING NETWORK, INC.

PO Box 220
West Frankfort, IL 62896
618 627 4651

March 29, 2018

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 for the proposed facility:

P = 3 KW ERP

R = 15 Radiation Center AGL in meters

F = 0.1 Relative field at -90 degrees

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

4.45 μW/cm^2

which is 2.23 % of the general population exposure limit of 0.20 mW/cm^2 for this channel 10 facility.

The licensee, in coordination with the other users of the antenna facility, will reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.

Dan Peek, Engineer