GREG BEST
CONSULTING, INC.
16100 Outlook Avenue
Stilwell, KS 66085
816-792-2913

January 4, 2021

Dear Sir,

This will serve as the exhibit to confirm that no significant Environmental Impact Assessment as defined in FCC Rule 1.1307 for the proposed facility is necessary. The site is not an Native American religious site, nor located in a flood plain area, nor officially designated wilderness area, nor officially designated wildlife preserve. Likewise, the proposed change of the facility does not include any lighting changes, nor creates any land disturbance or surface features to the existing facility.

To ensure the proposed facility does not create an RF Radiation Hazard, the calculation for this proposed facility is calculated below. 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= 3.0 kwatts

R=Radiation center above ground level – 2 meters)
= 127.5 meters

F= 0.1 for UHF antennas

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

0.06 μwatts/cm^2

which is 0.02 % of the general population exposure limit of 371 μw/cm^2 for this channel 28 facility

Since the contribution from this RF source is less than 5% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, proposed facility is not considered a “significant contributor” to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. 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.

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

Sincerely,

Gregory L Best, PE

President