



February 25, 2024  
Station: KZAK-LD  
Location: 43-44-23.2 N, 116-8-15.6 W

Dear Sir or Madam,

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 a 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 land disturbance or surface feature changes to the existing facility.

To ensure the proposed facility does not create an RF radiation hazard, the calculation for this proposed facility is shown 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 microwatts per square centimeter

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= 9.6 kilowatts

R=Radiation center above ground level – 2 meters = 23.1 – 2 = 21.1 meters

F= 0.1 for UHF antennas

The RF radiation near ground level calculation thus yields the following result:

**S = 7.20  $\mu$ watts/cm<sup>2</sup>**

The general population exposure limit is given by:

S max Uncontrolled =  $f/1.5$  microwatts per square centimeter

Where f = center frequency of channel of operation

Therefore, the general population exposure limit for this channel is:

S max =  $599/1.5 = 399.3$  microwatts per square centimeter.

**The proposed facilities level is 1.8% of the general population exposure limit.**

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, this 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.

Respectfully submitted,

A handwritten signature in blue ink that reads "James T. Stenberg".

**James Stenberg**  
**Principal Engineer**