

**GREG BEST
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February 26, 2014

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 KYMB-D:

P= 8.4 kwatts

R=Radiation center above ground level – 2 meters)
= 45 meters

F= 0.1 for UHF antennas

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

1.39 $\mu\text{watts}/\text{cm}^2$

which is 0.38 % of the general population exposure limit of 367 $\mu\text{w}/\text{cm}^2$

In addition to the proposed KYMB facilities, KMBY-LD is also located at the same site. To obtain the total RF exposure for the site, the predicted RF exposure for each radiator must be summed on a percentage basis.

Therefore, given the following data for KMBY-D (CH 19):

P= 15 kwatts

R=Radiation center above ground level – 2 meters)
= 45 meters

F= 0.1 for UHF antennas

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

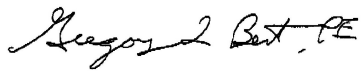
2.48 $\mu\text{watts}/\text{cm}^2$

which is 0.74 % of the general population exposure limit of 335 $\mu\text{w}/\text{cm}^2$

Thus the total RF exposure for the proposed facility is $0.38 + 0.74 = 1.12$ % of the general population access exposure rate of the limits identified in OET-65.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory L. Best, PE". The signature is fluid and cursive, with the initials "PE" clearly visible at the end.

President