

## **Environmental Effects**

Educational Media Foundation (“EMF”) certifies that WGCN complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

The RF worksheet in the Instructions to form 303-S was unusable to determine compliance for this facility because of the “worst case” nature of the worksheet. Therefore, EMF used RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

Using the “Shively 6513/6510 Vertical Dipole – Type 1” antenna for calculations, WGCN’s maximum contribution to the site is  $31.64\mu\text{W}/\text{cm}^2$ , which is 15.82% of the worst-case uncontrolled (public) exposure limit of  $200\mu\text{W}/\text{cm}^2$  as stated in OET-65.

Based on this evaluation, the site fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.