

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.