

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K221GC 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.

The facility is located on an existing communications site and is shared with several other broadcast facilities. Using a “vertical dipole” Type 1 antenna for calculations, EMF’s maximum contribution to the site is $0.045\mu\text{W}/\text{cm}^2$, which is 0.0228% of the worst-case uncontrolled (public) exposure limit of $200\mu\text{W}/\text{cm}^2$.

This value falls below the 5% “threshold of responsibility” specified in 47 C.F.R. 1.1307(b) and 1.1307(b) (3). Therefore, K221GC is “categorically excluded” from providing an Environmental Assessment.