

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K219KM 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 the facility is shared with several television broadcast facilities. Therefore, EMF used RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

Using a worst-case “ring-stub” antenna for calculations, EMF produces a maximum theoretical RF value of $0.911 \mu\text{W}/\text{cm}^2$ at two meters above ground, which is 0.456% 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, K219KM is “categorically excluded” from providing an Environmental Assessment.