

Environmental Effects

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

EMF utilizes an ERI Vertical Dipole antenna, producing a maximum theoretical RF value of 4.1 $\mu\text{W}/\text{cm}^2$ at two meters above ground, which is 2.05% of the worst-case uncontrolled (public) exposure limit of 200 $\mu\text{W}/\text{cm}^2$.

This value does not exceed the 5% “threshold of responsibility” specified in 47 C.F.R. 1.1307(b) and 1.1307(b) (3). Therefore, KBMK is “categorically excluded” from providing an Environmental Assessment.