

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K220BV 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 other broadcast facilities. Using a “worst-case” ring-stub type antenna for calculations, K220BV’s maximum contribution to the site is $0.19\mu\text{W}/\text{cm}^2$, which is 0.95% 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, K220BV is “categorically excluded” from providing an Environmental Assessment.