

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K270BW 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.

Using a worst-case “ring-stub” type antenna for calculations, K270BW’s maximum contribution to the site is $0.078 \mu\text{W}/\text{cm}^2$, which is 0.039% 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, K270BW is “categorically excluded” from providing an Environmental Assessment.