

## **Environmental Effects**

Educational Media Foundation (“EMF”) certifies that K243AF 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 “Vert Dipole Type 1” antenna for calculations, K243AF’s maximum contribution to the site is  $9.7\mu\text{W}/\text{cm}^2$ , which is 4.85% 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, K243AF is “categorically excluded” from providing an Environmental Assessment.