

Environmental Effects

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

Using the “Shively 6810-Type 6” antenna for calculations, KAKV’s maximum contribution to the site is $16.65\mu\text{W}/\text{cm}^2$, which is 8.32% of the worst-case uncontrolled (public) exposure limit of $200\mu\text{W}/\text{cm}^2$.

Based on this evaluation, KAKV fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.