

Environmental Effects

Educational Media Foundation (“EMF”) certifies that WQKV 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 WQKV “EPA Type 3 - Rototiller” antenna for calculations, EMF’s maximum contribution to the site is $3.26\mu\text{W}/\text{cm}^2$, which is less than 1.63% of the worst-case uncontrolled (public) exposure limit of $200\mu\text{W}/\text{cm}^2$.

This value falls below the 5% “threshold of responsibility” specified in 47 C.F.R. 1.1307(b) and 1.1307(b) (3). Therefore, WQKV is “categorically excluded” from providing an Environmental Assessment.

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