

Environmental Effects

Educational Media Foundation (“EMF”) certifies that WRQX 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 several television broadcast facilities. Therefore, EMF used the Vertical Elevation Pattern from the antenna manufacturer to determine compliance for this site.

Considering the Dielectric Model DCBR-03-2FM/6u-1 antenna at an elevation of 195 meters above ground for calculations, WRQX’s maximum contribution to the site is $0.327 \mu\text{W}/\text{cm}^2$, which is 0.164% 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, WRQX is “categorically excluded” from providing an Environmental Assessment.