

Environmental Effects

Educational Media Foundation (“EMF”) certifies that W238BJ 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 co-located with other AM and FM broadcast facilities. Therefore, EMF used RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

Co-located AM station WLW Cincinnati, OH operates on 700kHz at 50.0 kW maximum power via a single tower that is 189.3° (0.52λ) in height. The protective fence installed around the tower is located farther from the tower than the four meter distance required by Table 3 of OET-65, Supplement A.

Utilizing the “Ring Stub EPA – Type 1” worst case antenna for calculations, W238BJ’s maximum contribution to the site is 0.33μW/cm², which is 0.165% of the worst-case uncontrolled (public) exposure limit of 200μW/cm².

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, W238BJ is “categorically excluded” from providing an Environmental Assessment.