

Environmental Effects

Educational Media Foundation ("EMF") certifies that WLVO 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 WPMZ East Providence, RI operates on 1110kHz at 5.0 kW maximum power via a two-tower array. Tower One is 222° (0.61λ) in height. Tower Two is 73° (0.2λ). The protective fences installed around each tower are located at a greater distance from the tower than the two meter and five meter respective distances required by Table 3 of OET-65, Supplement A.

Utilizing the ERI "Rototiller" EPA - Type 3 antenna for calculations, WLVO's maximum contribution to the site is 4.24μW/cm², which is 2.12% 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, WLGF is "categorically excluded" from providing an Environmental Assessment.

Based on this evaluation, WLVO is categorically excluded and co-located WPMZ(AM) is adequately fenced. Therefore, WLVO fully complies with the FCC's maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.