

Environmental Effects

Educational Media Foundation (“EMF”) certifies that KARQ 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, on December 21, 2018, Alan Camacho, Engineer for Educational Media Foundation, used EMF’s “shaped probe” Narda RFR measurement equipment¹ to evaluate radiofrequency exposure compliance at the KARQ transmitter site. The KARQ transmitter was operating at its fully licensed effective radiated power of 2.8kw.

Measurements were taken at the base of the tower and at various points around the tower compound, obstacles permitting. The probes were slowly swept between 1-2 meters above the ground, as well as approximately 1 meter side-to-side, seeking, and noting, the highest overall readings. The highest overall peak reading found during these measurements was 70.60% of the uncontrolled/public exposure limits of OET-65.

The measurements were all found to be below the FCC limits for human exposure to RF fields. Based on this evaluation, KARQ fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.