

Environmental Effects

Educational Media Foundation (“EMF”) certifies that KAIA 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.

The site is shared with another broadcast facility. These were each evaluated using the RFHAZ software. The results are as follows:

Call	Channel	COR AGL	ERP	EPA Antenna used	Max Pub (uW/cm ²)	Max	% of Max Pub
KAIA	218	124	49 (vertical)	Vertical Dipole	200	9.43	4.72
KLSC	225	142	50 (circular)	6-bay fullwave Rototiller	200	11.31	5.66
Totals						20.74	10.38

Based on this evaluation, the site is 10.38% of the public (uncontrolled) exposure limits, and therefore fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.