

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K218BP 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 RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

According to CDBS, the site is shared with several broadcast facilities on several towers. The individual towers were treated as a single tower for the sake of simplicity. Each facility was 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
K218BP	218	102	0.014	Dipole/Ring Stub*	200	0.04	0.0
K07JM	7	10	0.05	100% field at -90° *	200	10.36	5.2
K11PR	11	10	0.141	100% field at -90° *	200	29.21	14.6
K13QZ	13	10	0.072	100% field at -90° *	200	14.91	7.5
K28HA	28	12.9	0.356	4% field at -90°	371.34	0.07	0.0
K45AF	45	9	0.63	5% field at -90°	439.34	0.40	0.1
Totals						54.99	27.4

* In the interest of simplicity, these are appropriate worst case antennas. Since the site complies using these worst case values, no more detailed evaluation was performed.

** There appear to be coordinate/elevation discrepancies among the sites. These COR AGL values are the worst-case (lowest) of the data in CDBS or as determined by subtracting the ground elevation obtained from 7.5 minute topographic maps from the COR AMSL as contained in CDBS or from an assumption that the facility must be located at the highest point in the area (determined from topographic maps). Note that K07JM, K11PR, and K13QZ were calculated with a COR AGL of 10 meters.

Based on this evaluation, the site is better than 27.4% 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.