

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K218BH 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
K218BH	218	29	0.66H/0.106V	Dipole/Ring Stub*	200	4.67	2.3
KVMT	206	57	3	Dielectric BFC*	200	17.87	8.9
K210BP	210	21	0.01	Dipole/Ring Stub*	200	0.72	0.4
K252DZ	252	51	0.01	Dipole/Ring Stub*	200	0.04	0.0
K32CW	32	66	9.87	100% field at -90° *	387.34	46.93	12.1
K24DH	34	29	0.317	100% field at -90° *	395.34	7.81	2.0
K50EZ	50	64	8.07	100% field at -90° *	515.34	40.81	7.9
Totals						118.85	33.6

* 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.

Based on this evaluation, the site is better than 33.6% 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.