

Environmental Effects

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

The site’s several broadcast facilities 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 |
|---------|---------|------------|------|----------------------|----------------------------------|---------|-----------------|
| KOBC | 214 | 140 | 60 | 6-bay Shively 6810 | 200 | 10.421 | 5.211 |
| KCLJ-LP | 30 | 102.3 | 38.1 | 100% field at -90° * | 379.34 | 75.41 | 19.879 |
| KJPX-LP | 35+ | 106 | 50 | 100% field at -90° * | 399.34 | 27.650 | 6.924 |
| Totals | | | | | | 113.481 | 32.014 |

* In the interest of simplicity, these are appropriate worst-case antenna configurations. The downward radiation from television antennas will be significantly less than 100% of their ERP. Nonetheless, since the site complies using these worst-case values, no more detailed evaluation was performed.

Based on this evaluation, the site is better than 32.014% 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.