

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K269EQ 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 co-located with other AM, FM, and TV broadcast facilities. Therefore, EMF used RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

Nearby AM station KHAM Loveland, CO operates on 1570kHz at 1.0 kW maximum power via a single tower that is 56.6° (0.157λ) in height. The protective fence installed around the KHAM tower is located farther from the tower than the three meter distance required by Table 1 of OET-65, Supplement A.

Utilizing the EPA Type 1 “worst case ring stub” antenna for calculations, K269EQ’s maximum contribution to the site is 1.79μW/cm², which is 0.895% of the worst-case uncontrolled (public) exposure limit of 200μW/cm².

This value does not exceed the 5% “threshold of responsibility” specified in 47 C.F.R. 1.1307(b) and 1.1307(b) (3). Therefore, K269EQ is “categorically excluded” from providing an Environmental Assessment.

Based on this evaluation, K269EQ is categorically excluded and co-located KHAM(AM) is adequately fenced. Therefore, K269EQ fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.