

K15DD-D, Wichita, KS
Facility ID# 61044
27 April, 2018

Environmental Statement

The proposed construction is not a major environmental action as defined by 47CFR 1.1306 and 1.1307. No new ground construction or lighting changes are involved and no structure heights or widths are being increased.

RF exposure summary:

This tower site is restricted from public access by a tall fence with a locked gate to which only authorized users have the combination. The gate and the tower are posted with registration and RF caution signs and the one entrance gate is the only means of access to the tower area. The proposed construction is on an existing registered tower. The entire site would reasonably be considered an occupational site with no public access.

The existing and proposed K15DD-D antenna center is at 101 meters AGL. The proposed horizontal ERP of 15.0 kW with 30% vertical totals 19.50 kW. Using the general exposure formula $S = (.256)(1.64)(100)(F2) (ERP)/4\pi R^2$, with a worst case antenna factor of 1.0 yields a power density of 6.4 $\mu\text{watts/cm}^2$, far below the occupational limit for channel 29 of 1877 $\mu\text{watts/cm}^2$ and the public exposure limit of 375 $\mu\text{watts/cm}^2$. Thus the proposed construction would contribute an insignificant amount of RF energy at the level of a person standing on the ground.

An information sign at the site lists contact information a crew can use to have K15DD-D emissions reduced or terminated to protect tower crews working in the vicinity of the antenna. These facts clearly demonstrate that this application does not present any significant environmental action or hazard as defined in the FCC Rules and Regulations Part 1 and outlined in OET bulletin 65 & 65a.