

Environmental Impact & RFR Compliance Statement

KEDR proposes to locate on a newly constructed tower that is in full compliance with all requirements of Section 1.1307 of the Commission's rules. The minor modification does not propose any change to the tower, including the height.

KEDR proposes to operate with 8.9 kW (H& V) ERP, Directional, at a height above ground of 433.7 meters. For a worst case estimation, the RFR at 2 meters above ground level at the base of the tower is .32% of the MPE limit for occupational/controlled exposure, or 1.6% of the MPE limit for general population/uncontrolled exposure.

The tower is also the location of two other FM broadcast facilities, KXGJ (CP) and KIOX-FM (CP), which will share the same antenna at 449 meters COR AGL. KXGJ will operate with 35.0 kW ERP (H&V) and KIOX-FM will operate with 100.0 kW ERP (H&V). For a worst case estimation, the RFR at 2 meters above ground level at the base of the tower of the combined facilities of KXGJ & KIOX-FM is 4.5% of the MPE limit for occupational/controlled exposure, or 22.6% of the MPE limit for general population/uncontrolled exposure. With the addition of KEDR, the RFR at 2 meters above ground level at the base of the tower is 24.2% of the MPE limit for general population/uncontrolled exposure.

The downward radiation of the actual antennas will be significantly less than the above stated worst case estimation, further ensuring that there will be no RFR exposure of the general public in excess of the MPE limit for general population/uncontrolled exposure at any publicly accessible area. Furthermore, access to all occupational/controlled exposure areas, specifically the tower, will be restricted and controlled through the use of a locked fence with appropriate RFR hazard warning signs posted.

The Applicant certifies that in cooperation with other users of the site, all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations. Information pertaining to the contact representative of the facility will be posted.