

Environmental Impact & RFR Compliance Statement

The minor modification proposes a change in the ERP and the antenna from vertical-only polarization to circular. KQMC is currently located at an existing communications site 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.

KQMC proposes to operate with a maximum ERP of .250 kW (circular, directional antenna) at its current height above ground of 12 meters. The estimated RFR effect was calculated based on the vertical elevation pattern specifications of the proposed circular antenna, a 1-bay Nicom BKG77. It is estimated that the RFR at 2 meters above ground level at the base of the tower will be no more than .5% of the MPE limit for occupational/controlled exposure, or 2.5% of the MPE limit for general population/uncontrolled exposure.

The tower is also the location of K228EL, which operates with .010 kW ERP (vertical) at a height above ground of 9 meters, and K240DD, which operates with .010 kW ERP (circular) at a height above ground of 9 meters. For a worst case estimation, the RFR at 2 meters above ground level at the base of the tower of the combined facilities of K228EL & K240DD is 2.1% of the MPE limit for occupational/controlled exposure, or 10.5% of the MPE limit for general population/uncontrolled exposure. With the addition of KQMC, the RFR at 2 meters above ground level at the base of the tower is 2.6% of the MPE limit for occupational/controlled exposure, or 13.0% of the MPE limit for general population/uncontrolled exposure.

There is also a new FM CP (Facility ID 164094) that has the same site specified. For a worst case RFR evaluation, this facility would exceed the general public MPE limit at 2 meters above the base of the tower. It is not possible at this time to evaluate the actual RFR effect this facility may have at the site as this facility has not been constructed, nor is it known that it will actually be constructed at this site, and if so, what antenna may be specified. Therefore it was not taken into consideration in the RFR analysis.

The site is located on an isolated mountain top that is not accessible except to only authorized personnel. Access to all occupational/controlled exposure areas, specifically the tower, is 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 is posted.