



RADIO FREQUENCY IMPACT, SAFETY & STATEMENT OF COMPLIANCE

The licensee of KATU is committed to the protection of station personnel and/or tower contractors working near the KATU antenna and will reduce power or cease operation, when necessary, to ensure protection to personnel.

As shown in Appendix A the KATU channel 24 auxiliary facility as proposed herein will operate with a maximum ERP of 42.9 kW from an elliptically polarized non-directional transmitting antenna with a centerline height of 274.1 meters above ground level (AGL). Considering the elevation pattern submitted elsewhere in this application, the vertical plane relative field factor is less than 0.200 at all depression angles greater than 8 degrees. The proposed auxiliary facility is predicted to produce a worst-case power density at two meters above ground level, at 228.3 meters from the tower base, of $0.077 \mu\text{W}/\text{cm}^2$, which is 0.022% of the FCC guideline value of $355.33 \mu\text{W}/\text{cm}^2$ for an "uncontrolled" environment, and 0.004% of the FCC's guideline value for "controlled" environments. Therefore, pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limits, the proposal's power density contribution is considered insignificant.

Further, the applicant will continue to cooperate and coordinate with other any other site users and reduce power or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.