

Environmental Considerations
Univision Local Media, Inc.
KXLK-CD Austin, TX
Ch 14 15 kW-DA 297 m

KXLK-CD proposes a slight reduction of antenna height above ground to accommodate unexpected antenna installation complications. The site is that specified by its current construction permit, a multi-user tower owned by Nexstar Communications. Use of an existing structure is environmentally preferred over the construction of new facilities.

At channel 14, the radiofrequency energy exposure guideline value specified by the FCC's OET Bulletin No. 65 is $315 \mu\text{W}/\text{cm}^2$, for uncontrolled areas. KXLK-CD's ERP is 15 kW and its antenna will be located 261.0 m AGL. The highest downward relative field of the specified Dielectric TUA-C3-03/09M-1 SM antenna, for downward angles above 30° , is 0.132 at 40° . The calculated RF exposure level at 2 meters above ground is $0.130 \mu\text{W}/\text{cm}^2$, 0.4% of the pertinent guideline value for uncontrolled locations, far below the 5% "responsibility" threshold.

Access to the site and tower is restricted, with a perimeter fence surrounding the tower. Appropriate radiofrequency energy (RFE) advisory signs are posted to ensure that workers can properly manage their exposure to radio frequency energy. KXLK-CD will reduce power as needed to ensure a safe working environment whenever tower work must be conducted in the vicinity of its antenna.

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