

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION KLUZ-TV
ALBUQUERQUE, NEW MEXICO
CHANNEL 16 176 KW (DA) 1255 m

1. The instant application is the initial 90 day 'Checklist' application for the reassigned facilities of KLUZ-TV, Albuquerque, New Mexico (Ch. 16). It is proposed to replace the existing top-mount antenna with a new top-mount antenna. Due to differences in antenna length, there will be a 5 meter reduction in antenna radiation center height AMSL (from 3279 m to 3274 m). There will be no change in the overall structure height of the existing tower (registration not required).

2. The proposed maximum directional effective radiated power was adjusted to 176 kW to account for differences in the current and proposed directional antenna patterns and antenna height. Although there is some extension of the predicted service area relative to the baseline reassignment facility listed in the FCC's Closing and Reassignment Public Notice, the extension will not exceed 1% in any direction. The proposed facility is also compliant with the 95% population service requirement. See attached *TVStudy* analysis exhibit. Also, the proposal complies with the city coverage requirements as demonstrated in the Predicted Coverage Contours exhibit.

3. As also demonstrated in the *TVStudy* analysis exhibit, the proposal complies with the FCC's interference requirements based on the FCC's TVStudy program. A cell size of 2.0 km and a profile resolution of 1.0 points/km were utilized for the TVStudy analysis.

4. RFR Compliance: A RF hazard statement is attached demonstrating that the proposed operation complies with the FCC's limits on human exposure to RF energy.