

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION KTFN
EL PASO, TEXAS
CHANNEL 20 130 KW (DA) 524 m

1. The instant application is the initial 90 day ‘checklist’ application for the reassigned facilities of KTFN, El Paso, Texas (Ch. 20). It is proposed to replace the existing side-mount antenna with a new side-mount antenna. In May 2016, the entity that is the owner of the transmitter site filed an administrative update to its ASRN, information the Commission of an approximately 1 meter reduction in tower height. This change is reflected in the ASR parameters contained in this application. As a result, there will be a 1 meter reduction in antenna radiation center height AMSL (from 1767 m to 1766 m). There will be no change in the overall structure height of the existing tower.

2. The proposed maximum directional effective radiated power was adjusted to 130 kW to account for differences in the current and proposed directional antenna patterns. There is no extension of the predicted service area relative to the baseline reassignment facility listed in the FCC’s Closing and Reassignment Public Notice. The proposed facility is also compliant with the 95% population service requirement.

3. 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.