

TECHNICAL SUMMARY
SECOND FILING WINDOW
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION KTFN
EL PASO, TEXAS
CHANNEL 20 1000 KW (DA) 524 m

1. The instant application is a second filing window application for KTFN on channel 20 at El Paso, Texas. It is proposed to increase the ERP from 130 kW to 1000 kW. There will be no other changes. There will also be no change in the overall structure height of the existing tower (ASRN 1001828).

2. Section 73.622(f)(5) Compliance: It is proposed operate on channel 20 with a directional antenna maximum ERP of 1000 kW and an HAAT of 524 meters. These facilities exceed the nominal maximum facilities specified in Section 73.622(f)(8)(i). However, the proposed facilities have been calculated in accordance with the largest station provision of Section 73.622(f)(5). The largest station in the El Paso, Texas market is KFOX-TV on channel 15 (FCC File No. BLCDDT-20051103AAE) which is licensed to provide noise-limited 41 dBu, f(50,90) service to an area of 38,860 square kilometers whereas the proposed KTFN operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 31,680 square kilometers (see Figure 2 attached). Clarification of the largest station provision is provided in the Report and Order and Further Notice of Proposed Rule Making in MM Docket No. 00-39 at paragraphs 73-74.

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

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.