

Engineering Statement
Television Station KTXA Inc.
KTXA(TV) Ft. Worth, Texas
Facility ID 51517
Ch. 18 1000 kW 516.8 m

Television Station KTXA Inc. (Paramount) has completed construction of the new main antenna system authorized by FCC Construction Permit (CP) 0000190149. This Statement provides slight height corrections and demonstrates compliance with a CP Special Condition.

Shortly after the KTXA Construction Permit was granted, slight height discrepancies were discovered. Tower owner American Towers, LLC requested an FAA aeronautical study that adjusted both ground elevation and structure height. Upon FAA approval, the FCC Antenna Structure Registration was modified.¹ As the adjustment to the KTXA antenna height does not exceed two-meters, the as-built facility complies with §73.1690(c)(1).

The corrected heights are:

- Antenna Center Height Above Ground: 472.3 m²
- Antenna Height Above Average Terrain: 516.8 m
- Antenna Height Above Sea Level: 720.1 m
- Overall Structure Height Above Ground: 500.2 m

The new KTXA facility is operating under Program Test Authority from the licensed site with no change in pattern, no change in effective radiated power, and a slight reduction in height – even after accounting for the height discrepancy.³ Therefore, as demonstrated in Figure 2 of the CP application, there is no extension of the new facility noise-limited service contour (NLSC) beyond that of the licensed facility. With no extension in service area, no potentially affected health care facilities were identified, making notification unnecessary.

¹ Please see FAA study 2022-ASW-13327-OE and FCC ASR 1059733.

² This height includes both a 0.3-meter *decrease* in ground elevation and a 1.8-meter increase in antenna height.

³ Please see FCC file number 0000203312.