

TECHNICAL SUMMARY

TELEVISION STATION KAUT-TV
OKLAHOMA CITY, OKLAHOMA
CHANNEL 19 670 KW (H), 167.5 KW (V) 475 M HAAT

1. The instant application is for an expanded facility for the authorized facility of KAUT-TV, Oklahoma City, OK (Channel 19).^{*} By means of this application, a new transmitter site for KAUT-TV is specified, with an increase in effective radiated power (ERP) and antenna height. The new location will employ a shared broadband antenna that is nominally non-directional. The horizontally polarized ERP is proposed to be 670 kW with an antenna height above average terrain (HAAT) of 475 m.

2. The proposed facility is compliant with the ‘largest station in the market’ provision of Section 73.622(f)(5) of the FCC Rules. The proposed KAUT-TV facilities exceed the normal maximum permissible facilities specified in Section 73.622(f)(8)(i) of the FCC Rules. However, the proposed facility has been calculated in accordance with the largest station provision of Section 73.622(f)(5) of the FCC Rules. Specifically, the largest station in the Oklahoma City market is KFOR-TV, Oklahoma City, OK, Channel 27[†], which is licensed to provide noise-limited 41 dBu, f(50,90) service to an area of 38,460 square kilometers. The proposed KAUT-TV operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 37,070 square kilometers.[‡] Therefore, the proposed KAUT-TV facility is compliant with the largest station in the market provision of the FCC Rules.

3. The instant proposal is compliant with the interference protection requirements of the FCC Rules. The results the FCC’s *TVStudy* analysis are attached hereto as an exhibit. A higher resolution terrain profile spacing of 0.5 km is requested.

4. The instant proposal is compliant with the city coverage requirements of Oklahoma City, which is demonstrated in the Predicted Coverage Contours exhibit.

^{*} See FCC File No. 0000025374.

[†] KFOR-TV is licensed for operation with a non-directional ERP of 790 kW and an antenna HAAT of 489 m. See FCC File No. BLCDDT-20050701ABR.

[‡] 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.