

TECHNICAL SUMMARY

TELEVISION STATION WHNT-TV
HUNTSVILLE, ALABAMA
CHANNEL 19 530 KW 533 M HAAT

1. The instant application for construction permit was prepared to increase the effective radiated power (ERP) of the WHNT-TV, Huntsville, AL (Channel 19) facility. No other changes are proposed. By means of this application, the ERP will be increased to 530 kW, with an antenna height above average terrain (HAAT) of 533 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 WHNT-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 Huntsville market is WHDF, Florence, AL, Channel 2,^{*} which is licensed to provide 28 dBu f(50,90) contour service to an area of 39,810 square kilometers. The proposed WHNT-TV operation is predicted to provide 41 dBu f(50,90) contour service to an area of 38,510 square kilometers.[†] Therefore, the proposed WHNT-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.

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

^{*} WHDF is licensed for operation with a maximum directional ERP of 21 kW and an antenna HAAT of 431 m. See FCC File No. 0000071601.

[†] 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.