

TECHNICAL SUMMARY

TELEVISION STATION WRAZ(TV)
RALEIGH, NORTH CAROLINA
CHANNEL 15 1000 KW (H), 200 KW (V) 607 M HAAT

1. The instant application is for an expanded facility for the authorized of WRAZ(TV), Raleigh, NC (Channel 15).^{*} By means of this application the effective radiated power (ERP) of WRAZ will be increased to 1000 kW. There are no other changes proposed.

2. The proposed is compliant with the ‘largest station in the market’ provision of Section 73.622(f)(5) of the FCC Rules. It is proposed to operate on Channel 15 with a nominal non-directional ERP of 1000 kW and an antenna height above average terrain (HAAT) of 607 meters. These facilities exceed the normal maximum permissible facilities specified in Section 73.622(f)(8)(i) of the FCC Rules. However, the proposed facilities have 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 Raleigh-Durham (Fayetteville) market is WTVD(TV), Durham, NC, Channel 11, which is licensed to provide noise-limited 36 dBu, f(50,90) service to an area of 51,700 square kilometers.[†] The proposed WRAZ operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 45,910 square kilometers.[‡] Therefore, the proposed WRAZ facility is compliant with the largest station 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.

^{*} See FCC File No. 0000025194.

[†] WTVD is licensed for operation with a non-directional ERP of 45 kW and an antenna HAAT of 615 m.

[‡] 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.