

TECHNICAL SUMMARY  
SECOND FILING WINDOW  
APPLICATION FOR CONSTRUCTION PERMIT  
TV STATION WCSC-TV  
CHARLESTON, SOUTH CAROLINA  
CHANNEL 19 625 KW (DA) 521 m

1. The instant application is a second filing window application for WCSC-TV on channel 19 at Charleston, South Carolina. It is proposed to increase the ERP from 562 kW to 625 kW. There will be no other changes. There will also be no change in the overall structure height of the existing tower (ASRN 1051231).

2. Section 73.622(f)(5) Compliance: It is proposed operate on channel 19 with a directional antenna maximum ERP of 625 kW and an HAAT of 521 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 Charleston, South Carolina market is WTAT-TV on channel 17 (LMS File No. 0000027762) which is authorized to provide noise-limited 41 dBu, f(50,90) service to an area of 35,600 square kilometers whereas the proposed WCSC-TV operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 31,860 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.