

TECHNICAL SUMMARY
SECOND FILING WINDOW
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION WDBD
JACKSON, MISSISSIPPI
CHANNEL 14 675 KW (DA) 598 m

1. The instant application is a second filing window application for WDBD on channel 14 at Jackson, Mississippi. It is proposed to increase the ERP from 555 kW to 675 kW. There will be no other changes. There will also be no change in the overall structure height of the existing tower (ASRN 1210491).

2. Section 73.622(f)(5) Compliance: It is proposed operate on channel 14 with a directional antenna maximum ERP of 675 kW and an HAAT of 598 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 Jackson, Mississippi market is WJTV on channel 12 (FCC File No. BLCDDT-20111014ABR) which is authorized to provide noise-limited 36 dBu, f(50,90) service to an area of 45,840 square kilometers whereas the proposed WDBD operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 38,310 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.