

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WSST-TV
CORDELE, GEORGIA
CHANNEL 34 66.2 KW 111 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of WSST-TV, Cordele, GA (Channel 34). The proposed WSST-TV facility will replace a side-mounted non-directional antenna with a new side-mounted non-directional antenna of similar type. There will be no change in the overall registered structure height.

2. The antenna radiation center is specified at the same height as now licensed and in operation for WSST-TV on Channel 22, which is a height of 118 m above ground level.* With that change, the antenna radiation center height above mean sea level is specified as 208.8 m. In addition, it is noted that the antenna radiation center height above average (HAAT) was re-calculated to the value in agreement with that given by the FCC’s *TVStudy* analysis software.

3. There is a small antenna height difference relative to the WSST-TV baseline reassignment facility for the reason explained in the footnote below. However, the predicted service area of the proposed WSST-TV Channel-34 facility is within 1% of the WSST-TV baseline reassignment facility listed in the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. See attached *TVStudy* Analysis.

4. The proposed facility is compliant with the 95% population service requirement relative to the CCR baseline facility as outlined in the CCR.

5. The instant proposal is compliant with the principal city coverage requirements of Cordele. This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).

* WSST-TV is a special case because its facility was changed from Channel 51 to Channel 22 after the Incentive Auction repack facility change deadline. See FCC File No. 0000017176 and underlying authorizations and records. The proposed facility will employ the same height as now licensed on Channel 22 for WSST-TV. However, the proposed effective radiated power of 66.2 kW is below the 80 kW level now authorized for WSST-TV on Channel 22.