

EXPLANATION OF APPLICATION  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION WSST-TV  
CORDELE, GEORGIA  
CHANNEL 22 80 KW 111 M HAAT

The instant application was prepared to implement the authorized change in channel for WSST-TV from Channel 51 to Channel 22 pursuant to the FCC *Report and Order* in MB Docket No. 16-123.

The antenna supporting structure for the WSST-TV main transmitting antenna is identified by FCC Antenna Structure Registration Number 1025900. The former Channel 51 side-mounted slot antenna will be removed and a new antenna for Channel 22 will be side-mounted on the tower with its radiation center located 4 m AGL above that licensed for the Channel 51 antenna. However, there will be no change in the overall height of the existing registered structure.

The new antenna will be mounted with its radiation center at a height of 118 m AGL, 209 m AMSL. The radiation center height above average terrain (HAAT) will be increased by 4 m to 111 m. Accordingly, the non-directional ERP of the WSST-TV facility on Channel 22 will be decreased from 91 kW to 80 kW to maintain no extension of the predicted 41 dBu f(50,90) noise-limited service contour in any direction.

An interference analysis for the proposed facility demonstrates that there will be no predicted interference from the proposed WSST-TV facility. See Interference Analysis exhibit contained in the instant application.

As indicated in the Predicted Coverage Contours exhibit, the WSST-TV facility is compliant with the coverage requirements of Cordele, the city of license.