

TECHNICAL SUMMARY

CLASS A TELEVISION STATION WKTB-CD  
NORCROSS, GEORGIA  
CHANNEL 23 12.7 KW (MAX-DA) 446.2 M AMSL

1. WKTB-CD holds a construction permit for operation on Channel 23 with a non-directional effective radiated power (ERP) of 15 kW with an antenna radiation center height above mean sea level (AMSL) of 434.6 m.\* Due to a change in the antenna mounting requirements for the new antenna on the existing tower supporting structure, it is necessary to increase the antenna height from 102.4 m above ground level (AGL) to 114.0 m AGL (446.2 m AMSL).

2. The instant application is to increase the height of the WKTB-CD proposed antenna as indicated above and to change the antenna model. There is no change in the overall height of the existing tower structure. The maximum ERP of the proposed facility was reduced to 12.7 kW to avoid any extension of the authorized protected service contour of the WKTB-CD facility, in compliance with the FCC's filing freeze requirements. This is illustrated in the Predicted Coverage Contours map exhibit.

3. As indicated in the attached FCC *TVStudy* analysis exhibit, the proposed facility is fully compliant with the interference protection requirements with respect to all other protected facilities.

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\* See FCC File No. 0000034685.