

TECHNICAL EXHIBIT
CLASS A DISPLACEMENT APPLICATION
STATION WKTB-CA (FACILITY ID 168605)
NORCROSS, GEORGIA
CH 47 15 KW (MAX-DA)

Technical Narrative

This Technical Exhibit supports a displacement application for Class A station WKTB-CA. Station WKTB-CA is licensed for operation on channel 38 with an authorization for a companion channel operation on channel 47.¹ By means of this application, WKTB-DT desires to displace to its digital channel operation as a digital Class A station.

Proposed Facilities

This application proposes digital Class A operation using the same parameters as its authorized companion channel operation. The antenna structure registration number (ASRN) is 1018919. Since the proposed site is the same as the licensed (Class A) site it is apparent that there will be common area where both contours overlap.

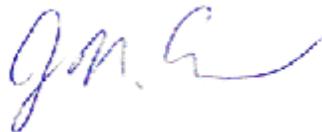
As the proposed technical facilities are identical to those already authorized in the recently granted companion channel application, interference to the Powder Springs monitoring station as well as Radiofrequency Electromagnetic Field Exposure (RFR) has already been addressed in BPDTL-20090402AOZ.

¹ See BLTTA-20030701BJB and BPDTL-20090402AOZ

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. Using the procedures outlined in the FCC's OET-69 Bulletin, a **non-standard 1-kilometer cell size resolution and 0.2-kilometer terrain increment** and 1990 U.S. Census, the proposal complies with the current FCC policy (i.e., less than 0.5% new interference caused to other pertinent assignments), except for interference to WKTB-LD and the pre-transition DTV allotment for station WUVG-DT at Athens, Georgia. See Exhibit 1 for a discussion of the applicant's consent to accept interference from itself and its intent to submit the license for WKTB-LD for cancellation when the instant application is granted and an application is filed for a license to cover. The OET-69 interference software indicates predicted excessive interference caused to the channel caused to the channel 41 DTV allotment for WUVG-DT. By means of BDTRCT-20080215APF, station WUVG-DT has already transitioned to its final DTV channel and its pre-transition DTV allotment is no longer an allocation concern. See Exhibit 1 for a waiver of the FCC rules regarding protection of the WUVG-DT allotment.

If necessary, waiver of the FCC's rules is respectfully requested based on use of the procedures outlined in the FCC's OET-69 Bulletin.



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WKTB-CA RF Transmission System Specifications

Description	System
Transmitter Power Output (1.25 kW):	1.0 dBk
Transmission Line Loss (2-1/4" foam) 350 feet:	1.6 dB
RF Technologies LP-1900-B-10 (17.3 Power Gain):	12.4 dB
Effective Radiated Power (15 kW):	11.8 dBk