

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
RADIO STATION WBTS(FM)
DORAVILLE, GEORGIA
CH 238C1 40 KW 432 M

Technical Statement

This Technical Exhibit, of which this statement is part, was prepared on behalf of radio station WBTS(FM) on Channel 238C1 at Doraville, Georgia. WBTS(FM) has authorization to modify its licensed facility at its existing transmitter site with an antenna height above terrain (HAAT) to 432 meters and an effective radiated power to 40 kilowatts (kW) employing a non-directional antenna.¹ The station is presently operating under automatic program test authority. By this instant application, station licensure is requested.

Charles A. Cooper

September 19, 2007

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

¹ See FCC Construction Permit BPH-20070118ACG.

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WBTS(FM) RF Transmission System Specifications

Description	System
Transmitter Power Output (24.5 kW):	13.9 dBk
<i>Dielectric 3-1/8"</i> Rigid Transmission Line Loss 1650 feet:	1.2 dB
<i>ERI SHPX-4AC Full-Wave Spaced</i> Antenna Gain (2.1 Power Gain):	3.3 dB
Effective Radiated Power (40 kW):	16.0 dBk