

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
REPLACEMENT SERVICE TRANSLATOR STATION WSB-TV
GAINESVILLE, GEORGIA
CH 46 5 KW (MAX-DA)

Technical Statement

This Technical Exhibit, of which this statement is part, was prepared on behalf of digital television replacement translator station WSB-DT at Gainesville, Georgia. WSB-LD has a construction permit for operation on Channel 46 with a maximum effective radiated power of 5 kW.¹ By this instant application, station licensure is requested.

It is noted the installed antenna model number and transmitter power output differs from that specified in the application for construction permit. This is because a circular polarized antenna was installed. However, the installed antenna azimuthal pattern remains identical to what was authorized. Figure 1 is a tabulation of the RF Technical Specifications including the updated transmitting antenna model number and transmitter power output.

Charles A. Cooper

November 23, 2010

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

¹ See FCC File Number: BDRTCT-20090320AFV.

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WSB-TV Channel 46 RF Transmission System Specifications

Description	System
Transmitter Power Output (0.45 kW):	-3.4 dBk
Transmission Line Loss (4-1/16" Rigid) 1150 feet & Other Associated Segments:	2.5 dB
Maximum <i>ERI ALP16L3-CSM-46 Antenna</i> :	12.9 dB
Maximum Effective Radiated Power (5 kW):	7.0 dBk