

**APPLICATION FOR STATION LICENSE**  
**TELESOUTH COMMUNICATIONS, INC.**

**WBZL (FM) RADIO STATION**  
**CH 277C3 - 103.3 MHZ - 25.0 KW**  
**GREENWOOD, MISSISSIPPI**

**July 2010**

**EXHIBIT A**

**WBZL Transmission System Calculations**

Effective Radiated Power: 25.0 kilowatts (horizontal/vertical)

Antenna: ERI LPX6C  
6 bay full wavelength spaced  
Horizontal gain 3.303

Transmission Line: Andrew HJ7-50A  
(269 feet) 1 5/8 inch air dielectric  
87.8% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 8.62 kilowatts

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Facilities Authorized: Channel 277C3 - 103.3 MHz

Effective Radiated Power: 25.0 kilowatts (H/V)

Geographic Coordinates: North Latitude 33° 31' 12"  
West Longitude 90° 08' 28"

Antenna Center of Radiation: Above Ground 84.0 meters<sup>1</sup>  
Above MSL 124.0 meters  
HAAT 79.0 meters

Antenna Structure Registration #: 1041003

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1) The antenna center of radiation above ground was lowered 1.7 meters from 84 meters to 82.3 meters. This decrease in COR is in compliance with §73.1690(c)(2) of the Commission's rules.