

APPLICATION FOR STATION LICENSE
RADIO LICENSE HOLDING CBC, LLC
WWLS-FM AUXILIARY FM ANTENNA
WWLS-FM RADIO STATION
CH 251C1 - 98.1 MHZ - 8.5 KW
THE VILLAGE, OKLAHOMA
October 2011

EXHIBIT A

WWLS-FM Auxiliary Transmission System Calculations

Effective Radiated Power: 8.5 kilowatts (Horizontal/Vertical)

Antenna: Jampro JMPC-2
2 bay full wavelength spaced
Horizontal gain 1.0 (power gain)

Transmission Line: Andrew Corp HJ7-50A
(300 feet) 1 5/8" air dielectric
86.8% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 9.79 kilowatts

Facilities Authorized: Channel 251C1 - 98.1 MHz

Effective Radiated Power: 8.50 kilowatts (H/V)

Geographic Coordinates: North Latitude 35° 34' 11"
West Longitude 97° 30' 01"

Antenna Center of Radiation: Above Ground 88.0 meters
Above MSL 445.0 meters
Above HAAT 96.0 meters

Antenna Structure Registration #: 1232200