

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
WFVL RADIO STATION
CH 272A - 102.3 MHZ - 6.0 KW
LUMBERTON, NORTH CAROLINA
October 2011

EXHIBIT A

WFVL Transmission System Calculations

Effective Radiated Power:

Horizontal

6.00 kilowatts

Vertical

6.00 kilowatts

Antenna:

Jampro Antennas, Model JSCP-4

4 bay full wavelength spaced

Horizontal gain

2.1

Transmission Line:

Andrew Corporation HJ7-50A

(315 feet)

1 5/8 inch air dielectric

85.9% Efficiency

Required Transmitter Power Output

To Reach Effective Radiated Power:

3.33 kilowatts

Facilities Authorized:

Channel 272A - 102.3 MHZ

Effective Radiated Power:

6.00 kilowatts (H/V)

Geographic Coordinates:

North Latitude 34° 35' 47"

West Longitude 79° 00' 37"

Antenna Center of Radiation:

Above Ground 88.0 meters

Above MSL 123.0 meters

HAAT 85.0 meters

Antenna Structure Registration Number:

1020469