

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: (315 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 85.9% Efficiency
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Required Transmitter Power Output To Reach Effective Radiated Power:	3.33 kilowatts
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Facilities Authorized:	Channel 272A - 102.3 MHZ
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Effective Radiated Power:	6.00 kilowatts (H/V)
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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
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