

MODIFY BLH-19880510KB
CUMULUS LICENSING LLC
WZYP (FM) RADIO STATION
CH 282C - 104.3 MHZ - 100.0 KW
ATHENS, ALABAMA
October 2008

EXHIBIT A

WZYP Transmission System Calculations

Effective Radiated Power:

Horizontal	100.0 kilowatts
Vertical	100.0 kilowatts

Antenna:	Harris Skytiller SKH4AC6
	4 bay full wavelength spaced antenna
Horizontal gain	2.04

Transmission Line:	Andrew HJ9-50
(656 feet)	5 inch air dielectric
	88.5% efficiency

Required Transmitter Power Output To Reach Effective Radiated Power:	53.389 kilowatts
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Facilities Authorized:	Channel 282C - 104.3 MHZ
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 34° 49' 06" ¹ West Longitude 86° 44' 16"
Antenna Center of Radiation:	Above Ground 195.0 meters Above MSL 576.0 meters HAAT 340.0 meters
Antenna Structure Registration #:	1036633

1) Coordinates corrected to agree with WZYP Antenna Structure Registration Number 1036633, when converted to 1983 datum.