

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS, INC.
WICI-FM RADIO STATION
CH 234C3 - 94.7 MHZ - 8.1 KW
SUMTER, SOUTH CAROLINA
January 2004

EXHIBIT A

WICI-FM Transmission System Calculations

Effective Radiated Power:

Horizontal	8.1 kilowatts
Vertical	8.1 kilowatts

Antenna:

Electronics Research LPX-4E-HW
4 bay half wavelength
1.307

Horizontal gain

Transmission Line:
(381 feet)

Andrew HJ7-50A
1 5/8 inch air
76.5% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

8.1 kilowatts

Facilities Authorized:

Channel 234C3 - 94.7 MHz

Effective Radiated Power:

8.1 kilowatts (H/V)

Geographic Coordinates:

North Latitude 34° 02' 56"
West Longitude 80° 12' 51"

Antenna Center of Radiation:

Above Ground	172.0 meters
Above MSL	222.0 meters
HAAT	174.0 meters

FCC Tower Registration Number:

1237477