

APPLICATION FOR STATION LICENSE
WDAS LICENSE LIMITED PARTNERSHIP
WRDW-FM RADIO STATION
CH 243B - 96.5 MHZ - 17.0 KW
PHILADELPHIA, PENNSYLVANIA
June 2004

EXHIBIT A

WRDW-FM Transmission System Calculations

Effective Radiated Power:

Horizontal	17.0 kilowatts
Vertical	17.0 kilowatts

Antenna:

Shively Labs
6014-2/3
2 bay (three around) full wavelength panel
0.996

Horizontal gain

Transmission Line:
(900 feet)

Cablewave Systems HCC 300-50J
3 inch air dielectric
77.2% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

22.11 kilowatts

Facilities Authorized:

Channel 243B - 96.5 MHz

Effective Radiated Power:

17.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 40° 02' 21"
West Longitude 75° 14' 13"

Antenna Center of Radiation:

Above Ground 256.0 meters
Above MSL 330.0 meters
HAAT 264.0 meters

Antenna Structure Registration #:

1026755