

APPLICATION FOR STATION LICENSE
OHIO VALLEY COMMUNICATIONS, INC.
WEEL (FM) RADIO STATION
CH 239B1 - 95.7 MHZ - 6.8 KW (DA)
SHADYSIDE, OHIO
November 2003

EXHIBIT A

WEEL Transmission System Calculations

Effective Radiated Power:

Horizontal	6.80 kilowatts
Vertical	6.67 kilowatts

Antenna:

	Shively Labs.
	6810-2D-DA
	2 bay full wavelength
Horizontal gain	1.681
Vertical gain	1.649

Transmission Line:
(445 feet)

Cablewave Systems HCC 158-50
1 5/8 inch air dielectric
81.3% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

4.975 kilowatts

Facilities Authorized:

Channel 239B1 - 95.7 MHz

Effective Radiated Power:

6.8 kilowatts (H/V)

Geographic Coordinates:

North Latitude	40° 03' 41"
West Longitude	80° 45' 09"

Antenna Center of Radiation:

Above Ground	117.0 meters
Above MSL	509.0 meters
HAAT	191.0 meters

Antenna Structure Registration #:

1035146