

APPLICATION FOR STATION LICENSE
SUSQUEHANNA RADIO CORP.
WRWM (FM) RADIO STATION
CH 230B1 - 93.9 MHZ - 6.9 KW
LAWRENCE, INDIANA
November 2010

EXHIBIT A

WRWM Transmission System Calculations

Effective Radiated Power:
Horizontal/Vertical 6.9 kilowatts

Antenna: Electronics Research, Inc.
 Model MPX-4E-HW
Horizontal gain: 4 bay half wavelength spaced
 1.307

Transmission Line: Andrew Corporation - HJ8-50B
 (472 feet) 3 inch air dielectric cable
 86.3% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 6.117 kilowatts

Facilities Authorized: Channel 230B1 - 93.9 MHz

Effective Radiated Power: 6.9 kilowatts (H/V)

Geographic Coordinates: North Latitude 39° 49' 39"
 West Longitude 85° 58' 51"

Antenna Center of Radiation: Above Ground 139.0 meters
 Above MSL 393.0 meters
 HAAT 146.0 meters

Antenna Structure Registration #: 1241160