

**APPLICATION FOR STATION LICENSE**  
**SUSQUEHANNA RADIO CORP.**  
**WRWM (FM) RADIO STATION**  
**CH 230B1 - 93.9 MHZ - 8.4 KW**  
**LAWRENCE, INDIANA**  
**February 2012**

**EXHIBIT A**

**WRWM Transmission System Calculations**

Effective Radiated Power: Horizontal/Vertical	8.4 kilowatts
Antenna:	Electronics Research, Inc. Model MPX-4E-HW 4 bay half wavelength spaced
Horizontal gain:	1.307
Transmission Line: (472 feet)	Andrew Corporation - HJ8-50B 3 inch air dielectric cable 86.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	7.447 kilowatts
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Facilities Authorized:	Channel 230B1 - 93.9 MHZ
Effective Radiated Power:	8.4 kilowatts (H/V)
Geographic Coordinates:	North Latitude    39° 49' 39" West Longitude    85° 58' 51"
Antenna Center of Radiation:	Above Ground    138.0 meters Above MSL        393.0 meters HAAT              140.0 meters
Antenna Structure Registration #:	1241160