

**APPLICATION FOR STATION LICENSE**  
**MILLER COMMUNICATIONS, INC.**  
**W235CH FM TRANSLATOR STATION**  
**CH 235D - 94.9 MHZ - 0.099 KW**  
**ST. MATTHEWS, SOUTH CAROLINA**  
**September 2016**

**EXHIBIT A**

**W235CH Transmission System Calculations**

Effective Radiated Power:	0.099 Kilowatt (horizontal/vertical)
Antenna:	Shively 6832 Two bay full wavelength antenna
Power Gain	0.86
Transmission Line: (150 feet / 45.7 meters)	Andrew LDF5-50A 7/8 inch foam dielectric 88.01 % Efficiency
90° rigid elbow connector	0.01 dB Loss 99.768% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.131 Kilowatt (131 watts)

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Facilities Authorized:	Channel 235D - 94.9 MHz
Effective Radiated Power:	0.099 Kilowatt (H/V)
Geographic Coordinates:	North Latitude 34° 00' 04" West Longitude 81° 02' 05"
Antenna Center of Radiation:	Above Ground 126.0 meters Above MSL 221.0 meters
Antenna Structure Registration #:	1052473