

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS INC.
W255BD FM TRANSLATOR STATION
CH 255D - 98.9 MHz - 0.25 kW
DARLINGTON, SOUTH CAROLINA
April 2010

EXHIBIT A

W255BD Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.25 kilowatt (H)
Vertical	0.25 kilowatt (V)
Antenna:	Shively 6812-2 Two bay circularly polarized antenna
Antenna System Power Gain:	0.99
Transmission Line:	Andrew Corporation LDF4-50A
(450 feet)	7/8 inch foam dielectric 68.4% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.369 kilowatt (369 watts)

Facilities Authorized:	Channel 255D - 98.9 MHz
Effective Radiated Power:	0.25 kilowatt (H/V)
Geographic Coordinates:	North Latitude 34° 14' 51" West Longitude 79° 48' 41"
Antenna Center of Radiation:	Above Ground 119.0 meters Above MSL 159.0 meters
Antenna Structure Registration #:	1059167