

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS, INC.
W278AV FM TRANSLATOR STATION
CH 278D - 103.5 MHz - 0.25 KW
SUMTER, SOUTH CAROLINA
May 2007

EXHIBIT A

W278AV Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	0.25 kilowatts
Antenna:	Shively Labs ("Shively") 6812-2
Horizontal gain	2 bay full wavelength spaced antenna 0.9971
Transmission Line:	Andrew Corporation - LDF5-50A
(246 feet)	7/8 inch foam dielectric 80.8% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.31 kilowatts

Facilities Authorized:	Channel 278D - 103.5 MHz
Effective Radiated Power:	0.25 kilowatts (H/V)
Geographic Coordinates:	North Latitude 33° 54' 52" West Longitude 80° 17' 39"
Antenna Center of Radiation:	Above Ground 66.0 meters Above MSL 110.0 meters
Antenna Structure Registration #:	1044608