

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS, INC.
W227BI FM TRANSLATOR STATION
CH 227D - 93.3 MHZ - 0.085 KW
SUMTER, SOUTH CAROLINA
October 2009

EXHIBIT A

W227BI Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.085 kilowatt
Vertical	0.085 kilowatt
Antenna:	Shively Model 6812-2 2 bay circularly polarized antenna
Antenna System Power Gain	0.99
Transmission Line:	Andrew Corporation LDF5-50A
(475 feet)	7/8 inch foam dielectric 67.7% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1268 kilowatt (127 watts)
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Facilities Authorized:	Channel 227D - 93.3 MHz
Effective Radiated Power:	0.085 kilowatt (H/V)
Geographic Coordinates:	North Latitude 33° 56' 56" West Longitude 80° 23' 34"
Antenna Center of Radiation:	Above Ground 135.0 meters Above MSL 190.0 meters
Antenna Structure Registration #:	1050842