

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS, INC.
W247BN FM TRANSLATOR
CH 247D - 97.3 MHZ - 0.25 KW (H)
SANTEE, SOUTH CAROLINA
December 2012

EXHIBIT A

W247BN Transmission System Calculations

Effective Radiated Power:	0.25 kilowatt (horizontal)
Antenna:	Kathrein HDCA-5 Two horizontally polarized Yagi Oriented at 80° and 230° true
Power Gain	2.9
Transmission Line: (127 feet)	Andrew Corporation LDF4-50A 1/2 inch foam dielectric 82.1% Efficiency
(390 feet)	Andrew Corporation LDF5-50A 7/8 inch foam dielectric 72.1%
Required Transmitter Power Output To Reach Effective Radiated Power:	0.146 kilowatt (146 watts)

Facilities Authorized:	Channel 247 - 97.3 MHz
Effective Radiated Power:	0.25 kilowatt (H)
Geographic Coordinates:	North Latitude 33° 39' 29" West Longitude 80° 18' 34"
Antenna Center of Radiation:	Above Ground 147.0 meters Above MSL 200.0 meters
Antenna Structure Registration:	1046875