

APPLICATION FOR STATION LICENSE
MILLER COMMUNICATIONS, INC.
WWKT-FM RADIO STATION
CH 257C3 - 99.3 MHZ - 19.0 KW
KINGSTREE, SOUTH CAROLINA
January 2002

EXHIBIT A

WWKT-FM Transmission System Calculations

Effective Radiated Power:

Horizontal	19.0 kilowatts
Vertical	19.0 kilowatts

Antenna:

Electronics Research LPX-8E
8 bay half wavelength
2.519

Horizontal gain

Transmission Line:
(383 feet)

Cablewave HCC158-50
1 5/8" inch air dielectric
83.4% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

9.04 kilowatts

Facilities Authorized:

Channel 257C3 - 99.3 MHz

Effective Radiated Power:

19.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 33 47' 51"
West Longitude 80 07' 04"

Antenna Center of Radiation:

Above Ground	117.0 meters
Above MSL	146.0 meters
HAAT	115.0 meters

FCC Tower Registration Number:

1222429