

APPLICATION FOR STATION LICENSE
MID-SOUTH PUBLIC COMMUNICATIONS FOUNDATION
WKNP RADIO STATION
CH 211C2 - 90.1 MHZ - 18.0 KW
JACKSON, TENNESSEE
December 2007

EXHIBIT A

WKNP Transmission System Calculations

Effective Radiated Power: Horizontal/Vertical	18.0 kilowatts
Antenna:	Shively Labs. 6813-6 6 bay full wavelength spaced antenna
Horizontal gain	3.28
Transmission Line: (625 feet)	Cablewave Systems HCC300-50 3 inch air dielectric 84.1% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	6.5253 kilowatts

Facilities Authorized:	Channel 211C2 - 90.1 MHz
Effective Radiated Power:	18.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 35° 38' 49" West Longitude 88° 50' 00"
Antenna Center of Radiation:	Above Ground 119.0 meters Above MSL 282.0 meters HAAT 156.0 meters
Antenna Structure Registration #:	1043911