

APPLICATION FOR STATION LICENSE
PEARSON BROADCASTING OF PARIS, INC.
KERX (FM) RADIO STATION
CH 237C2 - 95.3 MHZ - 50.0 KW
PARIS, ARKANSAS
April 2002

EXHIBIT A

KERX Transmission System Calculations

Effective Radiated Power:

Horizontal	50.0 kilowatts
Vertical	50.0 kilowatts

Antenna:

Electronics Research
5 bay half wavelength
Horizontal gain 1.612

Transmission Line:
(530 feet)

Andrew HJ8-50B
3 inch air dielectric
84.6% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

36.66 kilowatts

Facilities Authorized:

Channel 237C2 - 95.3 MHz

Effective Radiated Power:

50.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 35° 17' 13"
West Longitude 94° 02' 51"

Antenna Center of Radiation:

Above Ground	146.0 meters
Above MSL	308.0 meters
HAAT	140.0 meters

FCC Tower Registration Number:

1224497