

APPLICATION FOR STATION LICENSE
BALDRIDGE-DUMAS COMMUNICATIONS, INC.

KDBH-FM RADIO STATION
CH 247C3 - 97.3 MHZ - 25.0 KW
NATCHITOCHES, LOUISIANA

April 2002

EXHIBIT A

KDBH-FM Transmission System Calculations

Effective Radiated Power:

Horizontal	25.0 kilowatts
Vertical	25.0 kilowatts

Antenna:

ERI LP-6C
6 bay full wavelength
Horizontal gain 3.3028

Transmission Line:
(250 feet)

Cablewave HCC158-50
1 5/8" inch air dielectric
88.9% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

8.51 kilowatts

Facilities Authorized:

Channel 247C3 - 97.3 MHz

Effective Radiated Power:

25.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude 31° 48' 17"
West Longitude 93° 01' 27"

Antenna Center of Radiation:

Above Ground	70.0 meters
Above MSL	104.0 meters
HAAT	67.0 meters

FCC Tower Registration Number:

1021313