

APPLICATION FOR STATION LICENSE

CHARLES R. SHINN

KAMD-FM RADIO STATION

CH 246C2 - 97.1 MHZ - 50.0 KW

CAMDEN, ARKANSAS

July 2002

EXHIBIT A

KAMD-FM Transmission System Calculations

Effective Radiated Power:

Horizontal	50.0 kilowatts
Vertical	50.0 kilowatts

Antennas:

Jampro Antennas JHPC-10
10 bay full wavelength
5.50

Horizontal gain

Transmission Line:
(345 feet)

Cablewave HCC-312-50J
3 ½ inch air dielectric
91.8% efficiency

Jampro Starpoint Combiner
Insertion Loss ¹

0.2468 db (efficiency 94.47%)

Required Transmitter Power Output
To Reach Effective Radiated Power:

10.5 kilowatts

Facilities authorized:

Channel 246C2 - 97.1 MHz

Effective Radiated Power:

50.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude	33° 30' 14"
West Longitude	92° 48' 38"

Antenna Center of Radiation:

Above Ground	117.0 meters
Above MSL	188.0 meters
HAAT	139.0 meters

FCC Tower Registration Number:

1025591

1) See Exhibit C for insertion loss calculation.