

**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
Horizontal gain	5.50
Transmission Line: (345 feet)	Cablewave HCC-312-50J 3 ½ inch air dielectric 91.8% efficiency
Jampro Starpoint Combiner Insertion Loss <sup>1</sup>	0.2468 db (efficiency 94.47%)
Required Transmitter Power Output To Reach Effective Radiated Power:	10.5 kilowatts
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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.