

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
KJMO (FM) RADIO STATION
CH 248A - 97.5 MHZ - 6.0 KW
LINN, MISSOURI
July 2006

EXHIBIT A

KJMO Transmission System Calculations

Effective Radiated Power:

Horizontal	6.00 kilowatts
Vertical	6.00 kilowatts

Antenna:

Dielectric Communications DCRH3CHP
3 bay full wavelength
Horizontal gain 1.45

Transmission Line:
(154 feet)

Dielectric Communications FL-39
1 5/8" air dielectric
93.1% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

4.444 kilowatts

Facilities Authorized:

Channel 248A - 97.5 MHz

Effective Radiated Power:

6.00 kilowatt (H/V)

Geographic Coordinates:

North Latitude 38° 29' 57"
West Longitude 91° 53' 00"

Antenna Center of Radiation:

Above Ground	43.0 meters
Above MSL	320.0 meters
HAAT	100.0 meters

FCC Tower Registration Number:

1223530