

APPLICATION FOR STATION LICENSE
MARCOS RODRIGUEZ
K266AK FM TRANSLATOR
CH 266D - 101.1 MHZ - 0.01 KW
ASPEN, COLORADO
October 2005

EXHIBIT A

K266AK Transmission System Calculations

Effective Radiated Power:

Horizontal

0.01 kilowatt

Vertical

0.01 kilowatt

Antenna:

Shively Labs

6812-1

1 bay antenna

Antenna System Power Gain

0.46

Transmission Line:

(90 feet)

Andrew LDF4-50A

1/2 inch foam dielectric

86.7% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

0.025 kilowatt (25 watts)

Facilities Authorized:

Channel 266D - 101.1 MHz

Effective Radiated Power:

0.01 kilowatt (H/V)

Geographic Coordinates:

North Latitude 39° 13' 16"

West Longitude 106° 48' 47"

Antenna Center of Radiation:

Above Ground 21.0 meters

Above MSL 3198.0 meters

Antenna Structure Registration #:

1029228