

APPLICATION FOR STATION LICENSE
LEGEND COMMUNICATIONS OF WYOMING, LLC
KZZS (FM) RADIO STATION
CH 252A - 98.3 MHZ - 0.9 KW
STORY, WYOMING
November 2002

EXHIBIT A

KZZS Transmission System Calculations

Effective Radiated Power:

Horizontal	0.9 kilowatts
Vertical	0.9 kilowatts

Antenna:

ERI LP-2AE
2 bay full wavelength
0.9971

Horizontal gain

Transmission Line:
(97 feet)

Andrew HJ7-50A
1 5/8 inch air dielectric
95.5% efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

0.945 kilowatts

Facilities Authorized:

Channel 252A - 98.3 MHz

Effective Radiated Power:

0.9 kilowatts (H/V)

Geographic Coordinates:

North Latitude 44° 34' 28"
West Longitude 106° 52' 14"

Antenna Center of Radiation:

Above Ground	27.0 meters
Above MSL	1600.0 meters
HAAT	10.0 meters

FCC Tower Registration Number:

None Required