

**APPLICATION FOR NEW STATION LICENSE**  
**LEGEND COMMUNICATIONS OF WYOMING, LLC**  
**KLGT (FM) RADIO STATION**  
**CH 225C1 - 92.9 MHZ - 100.0 KW**  
**BUFFALO, WYOMING**  
**March 2003**

**EXHIBIT A**

**KLGT Transmission System Calculations**

Effective Radiated Power:

Horizontal	100.0 kilowatts
Vertical	100.0 kilowatts

Antennas:

ERI SHP-8AE  
8 bay full wavelength  
4.4872

Horizontal Gain

Transmission Line:  
(455 feet)

Andrew HJ11-50  
4 inch air dielectric (flex)  
89.2 efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power:

24.98 kilowatts

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Facilities Authorized:

Channel 225C1 - 92.9 MHz

Effective Radiated Power:

100.0 kilowatts (H/V)

Antenna Center of Radiation:

Above Ground	140.0 meters
Above MSL	1701.0 meters
HAAT	109.0 meters

FCC Tower Registration Number:

1236144