

**APPLICATION FOR STATION LICENSE**  
**LEGEND COMMUNICATIONS OF WYOMING, LLC**  
**K272EU FM TRANSLATOR STATION**  
**CH 272D - 102.3 MHZ - 0.032 KW**  
**CODY, WYOMING**  
**May 2009**

**EXHIBIT A**

**K272EU Transmission System Calculations**

Effective Radiated Power:	
Horizontal	0.032 kilowatt
Vertical	0.032 kilowatt
Antenna:	Scala Electronics CL-FM/H/V 2 FM yagi antenna system (one h /one v)
Antenna System Power Gain	2.51
Transmission Line:	Andrew LDF4-50A
(48 feet)	1/2 inch foam dielectric 92.6% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0138 kilowatt (13.8 watts)

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Facilities Authorized:	Channel 272D - 102.3 MHz
Effective Radiated Power:	0.032 kilowatt (H/V)
Geographic Coordinates:	North Latitude     44° 29' 49" West Longitude    109° 09' 10"
Antenna Center of Radiation:	Above Ground     12.0 meters Above MSL        2,333.0 meters
Antenna Structure Registration #:	None