

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