

**APPLICATION FOR STATION LICENSE**  
**LEGEND COMMUNICATIONS OF WYOMING, LLC**  
**KLGT RADIO STATION**  
**CH 243C1 - 96.5 MHZ - 100.0 KW**  
**BUFFALO, WYOMING**  
**February 2011**

**EXHIBIT A**

**KLGT Transmission System Calculations**

Effective Radiated Power:	
Horizontal	100.0 kilowatts
Vertical	100.0 kilowatts
Antenna:	Electronics Research, Inc. SHPX-8AC 8 bay full wavelength spaced
Horizontal gain	4.4872
Transmission Line: (455 feet)	Andrew Corporation HJ11-50A 4 inch air dielectric 89.2% Efficiency
Transmission Line: (40 feet)	Myat 3 inch air dielectric - rigid 99.1% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	25.21 kilowatts

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Facilities Authorized:	Channel 243C1 - 96.5 MHZ
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 44° 34' 32" West Longitude 106° 52' 23"
Antenna Center of Radiation:	Above Ground 140.0 meters Above MSL 1701.0 meters HAAT 109.0 meters
Antenna Structure Registration Number:	1236144