

APPLICATION FOR STATION LICENSE
LEGEND COMMUNICATIONS OF WYOMING, LLC
KTAG RADIO STATION
CH 250C - 97.9 MHZ - 100.0 KW
CODY, WYOMING
August 2001

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Legend Communications of Wyoming, LLC (Legend), licensee of radio station KTAG, Channel 250C, Cody, Wyoming. Legend has filed an application for construction permit to correct the geographic coordinates of the KTAG transmitter site (BPH-20010809AAB). No changes other than the correction of coordinates was proposed. This instant application seeks a license for the correction of coordinates.

The licensee of KTAG herein states that it will lower the power of KTAG or cease operation, as necessary, to ensure that persons having access to the site are not exposed to radio frequency electromagnetic fields in excess of the FCC guidelines.

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EXHIBIT #1A

KTAG Transmission System Calculations

Effective Radiated Power:

Horizontal	100.00 kilowatts
Vertical	100.00 kilowatts

Antennas:

	ERI/Harris FMH-8AC
	8 bay full wavelength
Horizontal gain	4.4872

Transmission Line:
(225 feet)

Cablewave Systems HCC-300-50
3 inch air dielectric
93.7% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

23.78 kilowatts

Facilities Authorized:

Channel 250C - 97.9 MHz

Effective Radiated Power:

100.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude	44	29' 44"
West Longitude	109	09' 13"

Antenna Center of Radiation:

Above Ground	65.48 meters
Above MSL	2365.20 meters
HAAT	576.08 meters

FCC Tower Registration Number :

1213154