

APPLICATION FOR STATION LICENSE
GLOBAL NEWS CONSULTANTS, LLC
KYTS RADIO STATION
CH 289C1 - 105.7 MHZ - 75.0 KW
MANDERSON, WYOMING
February 2011

EXHIBIT A

KYTS Transmission System Calculations

Effective Radiated Power:	
Horizontal	75.0 kilowatts
Vertical	75.0 kilowatts
Antenna:	Electronics Research, Inc. SHPX-8AC
Horizontal gain	8 bay full wavelength spaced 4.4872
Transmission Line:	Andrew Corporation HJ8-50B
(166 feet)	3 inch air dielectric 94.6% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	17.668 kilowatts

Facilities Authorized:	Channel 289C1 - 105.7 MHZ
Effective Radiated Power:	75.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 44° 03' 34" West Longitude 107° 51' 13"
Antenna Center of Radiation:	Above Ground 55.0 meters Above MSL 1466.0 meters HAAT 150.0 meters
Antenna Structure Registration Number:	1265149