

APPLICATION FOR STATION LICENSE
MARCOS RODRIGUEZ
KUUR (FM) RADIO STATION
CH 244A - 96.7 MHZ - 0.09 KW
CARBONDALE, COLORADO
September 2005

EXHIBIT A

KUUR Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	0.09 kilowatt
Antenna:	Shively Labs 6813-1R 1 bay antenna
Horizontal Gain	0.46
Transmission Line:	Andrew Corp. HJ5-50
(165 feet)	7/8 inch air dielectric 87.1% Efficiency
Transmission Line:	Cablewave Systems S-FLC12-50
(10 feet)	1/2 inch air dielectric 97.6% Efficiency
Bandpass filter :	Shively 2606-3A Insertion loss : 0.5 dB 89.125% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.2582 kilowatt

Facilities Authorized:	Channel 244A - 96.7 MHz
Effective Radiated Power:	0.09 kilowatt (H/V)
Geographic Coordinates:	North Latitude 39° 25' 08" West Longitude 107° 22' 10"
Antenna Center of Radiation:	Above Ground 32.0 meters Above MSL 3218.0 meters HAAT 764.0 meters
Antenna Structure Registration #:	N/A