

APPLICATION FOR STATION LICENSE
COLORADO RADIO MARKETING, LLC
K299AC FM TRANSLATOR STATION
CH 299D - 107.7 MHZ - 0.10 KW (DA)
GLENWOOD SPRINGS, COLORADO
April 2007

EXHIBIT A

K299AC Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.10 kilowatt
Vertical	0.10 kilowatt
Antenna:	Scala Antennas CA5-FM/CP/RM 5 element, circularly polarized yagi
Antenna System Power Gain	3.981
Transmission Line:	Andrew LDF4-50A
(85 feet)	1/2 inch foam dielectric 87.0% Efficiency
Bandpass filter (output):	Insertion Loss 1.5 dB 70.795% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.04078 kilowatt (40.78 watts)

Facilities Authorized:	Channel 299D - 107.7 MHz
Effective Radiated Power:	0.10 kilowatt (H/V)
Geographic Coordinates:	North Latitude 39° 32' 37" West Longitude 107° 17' 49"
Antenna Center of Radiation:	Above Ground 12.0 meters Above MSL 2456.0 meters
Antenna Structure Registration #:	1056150