

APPLICATION FOR STATION LICENSE
SINCLAIR TELECABLE, INC.
K238AF FM TRANSLATOR STATION
CH 238D - 95.5 MHZ - 0.24 KW
SANTA ROSA, CALIFORNIA
June 2006

EXHIBIT A

K238AF Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.24 kilowatt
Vertical	0.24 kilowatt
Antenna:	Scala - CA5-FM/CP-RM 5 element yagi - circularly polarized
Antenna System Power Gain	3.981
Transmission Line:	Andrew LDF5-50A
(63 feet)	7/8 inch coaxial cable 94.9% Efficiency
Transmission Line:	Belden RG-214
(8 feet)	1/2 inch coaxial cable 96.56% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0658 kilowatt (65.8 watts)

Facilities Authorized:	Channel 238D - 95.5 MHz
Effective Radiated Power:	0.24 kilowatt (H/V)
Geographic Coordinates:	North Latitude 38° 30' 31" West Longitude 122° 39' 41"
Antenna Center of Radiation:	Above Ground 15.0 meters Above MSL 503.0 meters
Antenna Structure Registration #:	1000695