

APPLICATION FOR STATION LICENSE
JYH BROADCASTING
KTOL (FM) RADIO STATION
CH 244A - 96.7 MHZ - 2.4 KW
HEALDSBURG, CALIFORNIA
August 2002

EXHIBIT #A

KTOL Transmission System Calculations

Effective Radiated Power:

Horizontal	2.40 kilowatts
Vertical	2.40 kilowatts

Antennas:

Shively Labs 6814-2/SS
2 bay half wavelength
0.70

Horizontal gain

Transmission Line:
(70 feet)

Andrew Corp. HJ7-50A
1 5/8 inch air dielectric
96.8% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power:

3.542 kilowatts

Facilities Authorized:

Channel 244A - 96.7 MHz

Effective Radiated Power:

2.4 kilowatts (H/V)

Geographic Coordinates:

North Latitude 38° 44' 08"
West Longitude 122° 50' 55"

Antenna Center of Radiation:

Above Ground 17.0 meters
Above MSL 581.0 meters
HAAT 160.0 meters

Antenna Structure Registration #:

Not Required