

**APPLICATION FOR STATION LICENSE**  
**KJUL LICENSE, LLC**  
**KSTJ (FM) RADIO STATION**  
**CH 274C - 102.7 MHZ - 1.50 KW**  
**BOULDER CITY, NEVADA**  
**April 2005**

**EXHIBIT A**

**KSTJ Auxiliary Transmission System Calculations**

Effective Radiated Power:

Horizontal	1.5 kilowatts
Vertical	1.5 kilowatts

Antennas:

	Shively Labs, 6813-3
	3 bay full wavelength
Horizontal gain	1.55

Transmission Line:  
(154 feet)

Andrew HJ7-50A  
1 5/8 inch air dielectric  
92.8% efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power:

1.043 kilowatts

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Facilities authorized:

Channel 274C - 102.7 MHz

Effective Radiated Power:

1.5 kilowatts (H/V)

Geographic Coordinates:

North Latitude 35° 56' 46"  
West Longitude 115° 02' 34"

Antenna Center of Radiation:

Above Ground 27.0 meters  
Above MSL 1344.0 meters  
HAAT 553.0 meters

FCC Tower Registration Number:

None Required