

**Exhibit 1  
Power Budget Calculation**

**KXCP-LP 97.1 MHz, Palm Desert, CA**

**TRANSMISSION SYSTEM:**

**VERTICAL RUN:**

Type: Andrew LDF-4-50 1/2: Foam Line  
Length: 100 feet  
Attenuation: 0.6504 dB/100-feet  
Loss this section: 0.650 dB

**HORIZONTAL RUN:**

Type: Andrew LDF-4-50 1/2: Foam Line  
Length: 10 feet  
Attenuation: 0.6504 dB/100 Feet  
Loss this section: 0.065 dB

**TOTAL TRANSMISSION  
SYSTEM:**

Total Attenuation: 0.72 dB  
Coax Efficiency: 84.81% %  
Coax Power Rating: 3.45 kW  
\*Coax Safety Factor: 11.29 dB \*

**OTHER LOSSES AND DERATING INFO:**

Filter Loss: 0.00 dB  
Connector Loss: 0.1 dB  
Antenna Height AMSL: 0 Ft  
Ambient Temperature: 104 °F  
Derated for 1.3:1 VSWR Derated  
for Elevation 2.66 kW  
Derated for Temperature 2.09 kW  
Safety Amount (Derate-TPO) 2.40 kW \*\*

**STATION ERP:**

kW: 0.10  
dBk: -10.00

**ANTENNA DETAIL**

CP  
Brand Shively  
Bays 1  
Spacing 1

**ANTENNA POWER GAIN:**

Numeric: 0.460  
dBd: -0.362

**ANTENNA INPUT POWER:**

kW: 0.217  
dBk: -6.628

**Total System Losses:**

dBk: 0.815

**TRANSMITTER POWER OUTPUT:**

kW: 0.262  
dBk: -5.812

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