

**Educational Media Foundation**

5700 West Oaks Boulevard  
Rocklin, CA 95765

*Brownsburg, IN  
WKLU*

**Transmitter Power Output Calculation**

Transmitter Power Output

Authorized ERP: 3750 watts

ERI SHPX-6AC-HW Antenna Power Gain: 1.913

366' 1 5/8" Andrew HJ7-50A Coax Efficiency: .839

Coax Switch Efficiency: 0.970

TPO: 2408.6992 watts

Confirmation:  $2408.6992 \times 1.913 \times .839 \times .970 = 3749.999$  Watts

NOTE: TPO Shown as 2.409Kw Due To Rounding And Resolution Of The Form.