

**Educational Media Foundation**  
5700 West Oaks Boulevard  
Rocklin, CA 95765

*Woodlake, CA*  
*KLXY*

## **Transmitter Power Output Calculation**

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: .7 KILOWATTS

2 BAY NICOM BKG77 ANTENNA GAIN: 0.95

158 FEET ANDREW 7/8-INCH FOAM COAX (AVA5-50) EFFICIENCY: 0.890

TPO: 827.9124 WATTS

CONFIRMATION:  $827.9124 \times 0.95 \times 0.89 = 699.9999$  WATTS

NOTE: TPO IS SHOWN AS .828 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM