

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

*Billings, MT*  
*KLRV*

## **Transmitter Power Output Calculation**

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 7.5 KILOWATTS

JAMPRO JMVP-2 ANTENNA GAIN: 2.000

410 FEET RFS CABLEWAVE 1-5/8-INCH AIR COAX (HCA158-50) EFFICIENCY: 0.841

TPO: 4,458.9774 WATTS

CONFIRMATION:  $4,458.9774 \times 2.000 \times .841 = 7,499.9999$  WATTS

NOTE: TPO SHOWN AS 4.459 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.