

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

*Navarre, FL*  
*WPLV*

## **Transmitter Power Output Calculation**

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 13.5 KILOWATTS

4 BAY ERI P300-4B ANTENNA GAIN: 4.225

480 FEET Andrew 1-5/8" HJ7-50A EFFICIENCY: 0.807

TPO: 3,959.4376 WATTS

CONFIRMATION:  $3,959.4376 \times 4.225 \times 0.807 = 13,499.998$  WATTS

NOTE: TPO IS SHOWN AS 3.96 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM