

**Educational Media Foundation**

5700 West Oaks Boulevard  
Rocklin, CA 95765

*Palm Desert, CA*  
KHCS

**Transmitter Power Output Calculation**

Description: TRANSMITTER POWER OUTPUT

Authorized ERP: 960 watts

PSI 6 bay Half Waved Antenna Power Gain: 1.96

100' Andrew AVA5-50 7/8" Efficiency: .928

Jumper and Connectors Efficiency: .955

TPO: 552.6673 watts

Confirmation:  $552.6673 \times 1.96 \times .928 \times .95 = 959.9998$  Watts

NOTE: TPO SHOWN AS 553 watts RATHER THAN 552.6673 DUE TO ROUNDING AND RESOLUTION OF THE FORM.