

**Educational Media Foundation**

5700 West Oaks Boulevard  
Rocklin, CA 95765

*Thousand Oaks, CA  
KYRA*

**Transmitter Power Output Calculation**

Transmitter Power Output

Authorized ERP: 1400 watts

ERI LP-2E-DA-HW Antenna Power Gain: 1.307

200 feet RFS Cablewave HCA78-50 7/8" Air Coax Efficiency: .853

TPO: 1255.7506watts

Confirmation:  $1255.7506 \times 1.307 \times .853 = 1399.9998$  Watts

Note: TPO is specified as 1.26kw (100.3%) rather than 1.25kw (99.6%) due to rounding and the resolution of the form.