

**Educational Media Foundation**  
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*Red Bluff, CA*  
*KKRO*

## **Transmitter Power Output Calculation**

Transmitter Power Output

AUTHORIZED ERP: 5.5 KILOWATTS

Jampro JMPC-6R ANTENNA GAIN: 3.2

185 FEET RFS/Cablewave 1 5/8" Air COAX EFFICIENCY: 0.92

10' LDF-5-50A Jumper Efficiency: .992

TPO: 1883.2726 WATTS

CONFIRMATION:  $1883.2726 \times 3.2 \times .92 \times .992 = 5499.9996$  WATTS

NOTE: TPO IS SHOWN AS 1.884 KILOWATTS (100.04%) RATHER THAN 1.883 KILOWATTS (99.98%)