

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

North Rock Springs, WY
KLWR

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 1.0 KILOWATTS

NICOM BKG77-2-HW ANTENNA GAIN: 0.7

69 FEET ANDREW 7/8-INCH FOAM COAX (AVA5-50) EFFICIENCY: 0.947

AAT COMBINER EFFICIENCY: .846

13' 7/8" FOAM JUMPER EFFICIENCY: .990

TPO: 1801.1355 WATTS

CONFIRMATION: $1801.1355 \times 0.7 \times 0.947 \times 0.846 \times 0.990 = 999.9998$ WATTS

NOTE: TPO IS SHOWN AS 1.801 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM