

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Key West, FL
WKWR

Transmitter Power Output Calculation

Description: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: .35KW

NICOM BKG77-1 ANTENNA GAIN: 0.47

170 FEET ANDREW 7/8-INCH FOAM COAX (AVA5-50) EFFICIENCY: 0.882

6' JUMPER 7/8" FOAM EFFICIENCY: .996

TPO: 847.7001 WATTS

CONFIRMATION: $847.7001 \times 0.47 \times 0.882 \times .996 = 349.9999$ WATTS

NOTE: TPO FIGURE IS SHOWN AS .848KW DUE TO ROUNDING AND RESOLUTION OF THE FORM