

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Camden, NJ
WKVP-Aux

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 2.5 KILOWATTS

ERI LPX-3E ANTENNA GAIN: 1.559

590 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50A) EFFICIENCY: 0.748

AAT BP-IR-3-3K-N BANDPASS FILTER EFFICIENCY: .873

3' 7/8" HARDLINE JUMPER EFFICIENCY: .997

TPO: 2,463.1046 WATTS

CONFIRMATION: $2,463.1046 \times 1.559 \times .748 \times .873 \times .997 = 2,499.9996$ WATTS

NOTE: TPO SHOWN AS 2.463 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.