

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Weiner, AR
KLJK

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 6.0 KILOWATTS

ERI LPX-4C ANTENNA GAIN: 2.1332

233 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50A) EFFICIENCY: 0.898

21 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50A) JUMPER EFFICIENCY: 0.990

TPO: 3.163 KILOWATTS

CONFIRMATION: $3.163 \times 0.990 \times 0.898 \times 2.1332 = 5.998$ KILOWATTS