

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Casper, WY
KLWC

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 7.3 KILOWATTS

AAT SF-M-CP-4-C ANTENNA GAIN: 2.110

207 FEET RFS CABLEWAVE LCF-158-50A EFFICIENCY: .914

25 FEET RFS CABLEWAVE 7/8-INCH FOAM COAX JUMPER EFFICIENCY: 0.981

AAT C-IR-2-3-10K-N COMBINER EFFICIENCY: .900

TPO: 4287.2882 WATTS

CONFIRMATION: $4287.2882 \times 2.110 \times .914 \times .981 \times .900 = 7299.9996$ WATTS

NOTE: TPO SHOWN AS 4.287 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM