

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Plymouth, IN
WIKV

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 2.8 KILOWATTS

SHIVELY SLV-2 ANTENNA GAIN: 0.997

249 FEET ANDREW 7/8-INCH FOAM COAX (LDF54-50A) EFFICIENCY: 0.822

TPO: 3,416.5756 WATTS

CONFIRMATION: $3,416.5756 \times .997 \times .822 = 2799.9998$ WATTS

NOTE: TPO IS SHOWN AS 3.417 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM