

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Dundee, IL
WAWY

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 6 KILOWATTS

2 BAY ERI FML-2E ANTENNA GAIN: 0.997

290 FEET RFS 1-5/8-INCH AIR COAX (HCA158-50) EFFICIENCY: 0.877

TPO: 6862.0913 WATTS

CONFIRMATION: $6862.0913 \times 0.997 \times 0.877 = 5999.9998$ WATTS

NOTE: TPO IS SHOWN AS 6.862 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM