

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Lynchburg, VA
WAWX

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 6 KILOWATTS

3 BAY ERI LPX-3C ANTENNA GAIN: 1.559

210 FEET RFS 1-7/8-INCH AIR COAX (HCA158-50) EFFICIENCY: 0.910

TPO: 4229.2537 KILOWATTS

CONFIRMATION: $4229.2537 \times 1.559 \times 0.910 = 5,999.9998$ WATTS

NOTE: TPO IS SHOWN AS 4.230 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM.