

Educational Media Foundation

5700 West Oaks Boulevard
Rocklin, CA 95765

Wilmington, OH
WKLN

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 3000 WATTS

ERI LPX-3E 3 BAY Full WAVED ANTENNA POWER GAIN: 1.558

282' ANDREW HJ7-50A 1-5/8" Air Line EFFICIENCY: .873

TPO: 2205.6649 WATTS

CONFIRMATION: $2205.6649 \times 1.558 \times .873 = 2999.9998$ WATTS

NOTE: TPO SHOWN AS 2.206 KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.