

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Denmark, WI
WPCK

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 10 KILOWATTS

DIELECTRIC DCRC3ERP 3 BAY FULLWAVED SPACED ANTENNA GAIN: 1.500

430 FEET Andrew 1-5/8-INCH AIR COAX (HJ7-50A) EFFICIENCY: 0.811

TPO: 8,220.3041 WATTS

CONFIRMATION: $8,220.3041 \times 1.5 \times .811 = 9999.9999$ WATTS

NOTE: TPO SHOWN AS 8.22 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.