

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Morgantown, IN
WBKC

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 3.2 KILOWATTS

2 BAY ERI LPX-2E-DA-HW ANTENNA GAIN: 1.419

347 FEET RFS CABLEWAVE 1-5/8 INCH AIR COAX (HCA158-50) EFFICIENCY: 0.864

TPO: 2,610.08 WATTS

CONFIRMATION: $2,610.08 \times 1.419 \times 0.864 = 3,199.9998$ WATTS

NOTE: TPO IS SHOWN AS 2.610 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM