

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Yankton, SD
KLYA

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 250 WATTS

2 BAY SWR FMEC ANTENNA GAIN: 0.959

151 FEET Andrew 1/2-INCH FOAM COAX (LDF4-50A) EFFICIENCY: 0.806

TPO: 323.4345 WATTS

CONFIRMATION: $323.4345 \times 0.959 \times 0.806 = 249.9999$ WATTS

NOTE: TPO IS SHOWN AS .324 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM