

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Marion, AL
WFMA Aux

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: .53 KILOWATTS

2 BAY NICOM BKG77/2/.85 ANTENNA GAIN: 0.9

311 FEET RFS 7/8-INCH FOAM COAX (LCF78-50A) EFFICIENCY: 0.773

TPO: 761.8226WATTS

CONFIRMATION: $761.8226 \times 0.9 \times 0.773 = 529.9999$ WATTS

NOTE: TPO IS SHOWN AS .762 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM