

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 870 WATTS

HARRIS FML-3E-HW ANTENNA GAIN: 1.012

75 FEET ANDREW 1-5/8-INCH FOAM COAX (LDF7-50A) EFFICIENCY: .966

15 FOOT 7/8" FOAM JUMPER EFFICIENCY: .988

TPO: 900.7508 WATTS

CONFIRMATION: $900.7508 \times 1.012 \times .966 \times .988 = 869.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .901KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.