

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 140 WATTS

ERI 1091-1CP-DA ANTENNA GAIN: 2.136

75 FEET ANDREW 1/2-INCH FOAM COAX (LDF4-50A) EFFICIENCY: 0.897

TPO: 73.069198 WATTS

CONFIRMATION: $73.0692 \times 2.136 \times .897 = 140.000$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .073KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.