

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 170 WATTS

NICOM BKG77/2 ANTENNA GAIN: .95

367 FEET RFS CABLEWAVE 7/8-INCH FOAM COAX (LCF78-50JA) EFFICIENCY: 0.755

TPO: 237.0164 WATTS

CONFIRMATION: $237.0164 \times 0.95 \times .755 = 170.0000$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .237KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.