

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 41 WATTS

Nicom BKG77-1 ANTENNA GAIN: .47

134.5 FEET RFS 1/2-INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.815

TPO: 107.0356 WATTS

CONFIRMATION: $107.0356 \times 0.47 \times 0.815 = 40.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .107KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.