

## **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: 0.816

TPO: 106.9045 WATTS

CONFIRMATION:  $106.9045 \times 0.47 \times 0.816 = 41.0000$  WATTS

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