

## **Transmitter Power Output Calculation**

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 130 WATTS

NICOM BKG77-1 ANTENNA GAIN: .47

532 FEET RFS 7/8-INCH FOAM COAX (LCF8-50JA) EFFICIENCY: 0.665

10' jumper and 8' jumper ½ INCH COAXIAL JUMPER EFFICIENCY: .975

TPO: 426.5984 WATTS

CONFIRMATION:  $426.5984 \times .47 \times .665 \times .975 = 129.9999$  WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .427KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.