

## **Transmitter Power Output Calculation**

TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 120 WATTS

NICOM BKG77 ANTENNA GAIN: .47

350 FEET RFS 7/8-INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.748

JUMPER EFFICIENCY: .97

TPO: 351.8925 WATTS

CONFIRMATION:  $351.8925 \times 0.47 \times 0.748 \times 0.97 = 119.9999$  WATTS

NOTE: TRANSMITTER POWER OUTPUT SHOWN AS .352KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.