

## Transmitter Power Output Calculation

### TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 99 WATTS

NICOM BKG77/2 ANTENNA GAIN: .7

960 FEET RFS 7/8-INCH FOAM COAX (LCF78-50J) EFFICIENCY: 0.445

COMBINER EFFICIENCY: .81

TPO: 392.3666

CONFIRMATION:  $392.3666 \times 0.7 \times .445 \times .81 = 98.9999$  WATTS

NOTE: TPO SHOWN AS .392KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.