

## Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 10 WATTS

NICOM BKG77-1 ANTENNA GAIN: .47

206 FEET RFS 1/2-INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.727

TPO: 29.2663 WATTS

CONFIRMATION:  $29.2663 \times 0.47 \times .727 = 10.0000$  WATTS

NOTE: TRANSMITTER POWER OUTPUT SHOWN AS .029KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.