

## Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 50 WATTS

Shively 6812-1 ANTENNA GAIN: .46

43 FEET Belden RG8 FOAM COAX EFFICIENCY: 0.884

TPO: 122.9588 WATTS

CONFIRMATION:  $122.9588 \times 0.46 \times .884 = 49.9999$  WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .123KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.