

## Transmitter Power Output Calculation

TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 10 WATTS

NICOM BKG77-1 ANTENNA POWER GAIN: 0.47

333 FEET RFS LCF78-50A COAX EFFICIENCY: 0.768

POLYPHASOR LIGHTNING PROTECTOR EFFICIENCY: 0.977

6 FEET FSJ4-50B COAXIAL JUMPER EFFICIENCY: 0.986

TPO: 28.7587 WATTS

CONFIRMATION:  $28.7587 \times 0.986 \times 0.977 \times 0.768 \times 0.47 = 9.9999$  WATTS

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