

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 19 WATTS

NICOM BKG77 ANTENNA GAIN: .47

328 FEET ANDREW 7/8-INCH FOAM COAX (LDF4-50JA) EFFICIENCY: 0.760

SHIVELY 2914-3 BANDPASS FILTER EFFICIENCY: .741

POLYPHASOR EFFICIENCY: .997

5' ½" SUPERFLEX JUMPER EFFICIENCY: .998

TPO: 72.1437 WATTS

CONFIRMATION: $72.1437 \times 0.47 \times .76 \times .741 \times .997 \times .998 = 19.0000$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .072KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.