

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 15 WATTS

NICOM BKG-77 ANTENNA POWER GAIN: 0.47

95 FEET ANDREW LDF4-50A 1/2 INCH COAX EFFICIENCY: 0.872

AAT BP-1R-3-1K-N BANDPASS FILTER EFFICIENCY: .731

30' 1/2" RFS FOAM JUMPER EFFICIENCY: .958

TPO: 52.2630 WATTS

CONFIRMATION: $52.2630 \times 0.47 \times 0.872 \times .731 \times .958 = 15.0000$ WATTS

NOTE: TPO SHOWN AS .052KW DUE TO ROUNDING AND RESOLUTION OF THE FORM