

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 250 WATTS

SCALA CLFM-V ANTENNA GAIN: 5.00

40 FEET RFS CABLEWAVE 1/2-INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.944

718' FEET ANDREW 1 5/8" AIR COAX (HJ7-50A) EFFICIENCY: .722

TPO: 73.3602 WATTS

CONFIRMATION: $73.3602 \times 5.00 \times .944 \times .722 = 249.9998$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .074KW (100.87%) RATHER THAN .073KW (99.5%) DUE TO ROUNDING AND RESOLUTION OF THE FORM.