

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 250 WATTS

SCALA CLFM-V ANTENNA GAIN: 5.0

210 FEET ROSENBERGER 1/2-INCH FOAM COAX (RLCX-SL012R) EFFICIENCY: 0.742

AAT BP-IR-4-1K-N BANDPASS FILTER EFFICIENCY: .730

4' 1/2" ANDREW JUMPER EFFICIENCY: .994

TPO: 92.8660 WATTS

CONFIRMATION: $92.8660 \times 5.0 \times 0.742 \times 0.73 \times 0.994 = 249.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .093KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.