

Educational Media Foundation
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K212FY

Transmitter Power Output Calculation

The purpose of this license modification is to specify a change in the transmitter power output figure as determined by the following calculation:

Transmitter Power Output

Authorized ERP: 250 watts
Scala CLFM-V/2 Antenna Power Gain: 6.918
AAT BP-1R-1K-N Bandpass Filter Efficiency: .810
AAT-78-PD-2W-90-10 Splitter Efficiency: .9
80 feet Andrew LDF4-50A 1/2" Foam Coax Efficiency: 0.891
TPO: 55.6358 watts

Confirmation: $55.6358 \times 6.918 \times .810 \times .9 \times .891 = 250.0000$ Watts

NOTE: TPO SHOWN AS .056KW RATHER THAN 55.6358 WATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM.