

Educational Media Foundation

5700 West Oaks Boulevard
Rocklin, CA 95765

Thousand Oaks, CA
K220FR

Transmitter Power Output Calculation

Transmitter Power Output

Authorized ERP: 10 watts

Scala CLFM-V Antenna Power Gain: 5.0

89 feet Andrew LDF4-50A 1/2" Foam Coax Efficiency: 0.878

AAT Bandpass Filter Efficiency: .851

TPO: 2.6767 watts

Confirmation: $2.6767 \times 5.0 \times .878 \times .851 = 9.9998$ Watts

NOTE: TPO SHOWN AS 3 WATTS RATHER THAN 2 WATTS DUE TO ROUNDING AND RESOLUTION ON THE FORM.