

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

North Highlands, CA
K296GB

Transmitter Power Output Calculation

The purpose of this license modification application is to specify a change in the K296GB transmitter power output calculation only.

Transmitter Power Output

AUTHORIZED ERP: 250 WATTS
ERI LPX-2E-HW ANTENNA POWER GAIN: 0.702
KINTRONICS 1.5KW ISOCOUPLER EFFICIENCY: 0.870
464 FEET RFS LCF78-50A 7/8 INCH COAX EFFICIENCY: 0.680
TPO: 601.9698 WATTS

CONFIRMATION: $601.9698 \times 0.680 \times 0.870 \times 0.702 = 249.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .602KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.