

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Glenwood Springs, CO
KLXV

Transmitter Power Output Calculation

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

Transmitter Power Output

AUTHORIZED ERP: 750 WATTS

4 BAY SWR FM3 4 BAY 0.75 SPACED ANTENNA GAIN: 2.96

118 FEET RFS 7/8-INCH FOAM COAX (LCF78-50A) EFFICIENCY: 0.912

25' ½" FOAM JUMPER EFFICIENCY: .964

26' ½" FOAM JUMPER EFFICIENCY: .963

TELEWAVE FM63810/SBH-3 BANDPASS FILTER EFFICIENCY: .794

TPO: 376.9214 WATTS

CONFIRMATION: $376.9214 \times 2.96 \times 0.912 \times .964 \times .963 \times .794 = 749.9998$ WATTS

NOTE: TPO IS SHOWN AS .377 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM.