

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Los Altos, CA
KJLV

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: .75 KILOWATTS

Shively 6025-2-SS-Offset ANTENNA GAIN: 4.162

40 FEET Rosenberger 7/8-INCH Foam (RLCX-SL078R) EFFICIENCY: 0.969

AAT BP-1R-3-1K Bandpass Filter Efficiency: .795

8' 7/8" jumper efficiency: .989

TPO: 236.5222 WATTS

CONFIRMATION: $236.5222 \times 4.162 \times .969 \times .795 \times .989 = 749.9999$ WATTS

NOTE: TPO SHOWN AS .237 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.