

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Franklin, TX
KVLX

Transmitter Power Output Calculation

Transmitter Power Output

Authorized ERP: 9400 watts

Shively 6813-4-SS Antenna Power Gain: 1.32

AAT BP-1R-2-12K Bandpass Filter Efficiency: .968

500' RFS Cablewave 1-5/8" Air Coax Jumper Efficiency: .798

TPO: 9218.827 watts

Confirmation: $9218.827 \times 1.32 \times .968 \times .798 = 9399.9987$ Watts

NOTE: TPO SHOWN AS 9.22KW RATHER THAN 9218.827 WATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM.