

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Emporia, KS
KPOR

Transmitter Power Output Calculation

Description: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 2 KW

JAMPRO JMPC-4RFR 0.5 SPACED ANTENNA GAIN: 1.3

290 FEET ANDREW 7/8-INCH AIR COAX (HJ5-50) EFFICIENCY: 0.791

SURGE PROTECTOR EFFICIENCY: 0.98

TPO: 1.9846 KW

CONFIRMATION: $1.9846 \times 1.3 \times .791 \times 0.98 = 1.9999$ KW

NOTE: TPO SHOWN AS 1.985KW DUE TO ROUNDING AND RESOLUTION OF THE FORM