

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Coarsegold, CA
KAWJ

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: .48 KILOWATTS

2 BAY ERI SHPX-2AE-HW ANTENNA GAIN: 0.702

97 FEET ANDREW 7/8-INCH AIR COAX (HJ5-50) EFFICIENCY: 0.923

TPO: 740.8024 WATTS

CONFIRMATION: $740.8024 \times 0.702 \times 0.923 = 479.9999$ WATTS

NOTE: TPO IS SHOWN AS .741KW DUE TO ROUNDING AND RESOLUTION OF THE FORM