

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Malvern, IA
KIMI

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 1.2 KILOWATTS

10 BAY PSI FM-10C-HWS ANTENNA GAIN: 3.73

176 FEET ANDREW 3" AIR COAX (HJB-50B) EFFICIENCY: 0.941

10' ½" SUPERFLEX JUMPER EFFICIENCY: .975

TPO: 350.6535 WATTS

CONFIRMATION: $350.6535 \times 3.73 \times 0.941 \times .975 = 1,199.998$ WATTS

NOTE: TPO IS SHOWN AS .35 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM