

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Marietta, GA
W222AF

Transmitter Power Output Calculation

The purpose of this license modification application is to specify a change in the W222AF transmitter power output calculation only.

Transmitter Power Output

AUTHORIZED ERP: 250 WATTS

ERI 100A-1M-DA ANTENNA GAIN: .581

1046 FEET RFS CABLEWAVE 7/8-INCH FOAM COAX (LCFF78-50JA) EFFICIENCY: 0.442

TPO: 973.5126 WATTS

CONFIRMATION: $973.5126 \times 0.581 \times .442 = 249.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .974KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.