

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Las Vegas, NM
K212EF

Transmitter Power Output Calculation

The purpose of this license modification is to specify a change in the K212EF transmitter power output figure. No change in Effective Radiated Power, Center of Radiation Above Mean Sea Level, or Geographic Coordinates are proposed.

Transmitter Power Output

AUTHORIZED ERP: 34 WATTS

SHIVELY 6812B 2 BAY ANTENNA GAIN: .99

115.2 FEET RFS CABLEWAVE 1/2 INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.847

EMR FM6354/SB-2 FILTER EFFICIENCY: .818

7' 1/2" JUMPER EFFICIENCY: .985

TPO: 50.3235 WATTS

CONFIRMATION: $50.3235 \times .99 \times .847 \times .818 \times .985 = 34.0000$ WATTS

NOTE: TPO IS SHOWN AS .05KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.