

Educational Media Foundation

5700 West Oaks Boulevard
Rocklin, CA 95765

*Hollister, CA
KHRI*

Transmitter Power Output Calculation

The purpose of this license modification is to specify a change in the transmitter power output calculation due to a change in the transmit antenna. The single bay antenna has been replaced with a single bay antenna. No change in the Center of Radiation above ground or Above Mean Sea Level has occurred.

Transmitter Power Output

ERP: 0.170kw

125 feet Eupen EC4-50 ½" foam Coax Efficiency: .835

AAT FM-IV-CP-1-BB Antenna Power Gain: 0.46

TPO: 442.5930kw

Confirmation: $442.5930 \times .835 \times .46 = 169.9999$ watts

NOTE: TPO Shown as .443Kw Due To Rounding And Resolution Of The Form.