

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Ocean City, NJ
WLRB

Transmitter Power Output Calculation

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

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 4.1 KILOWATTS

Shively 6810-2R-SS-DA ANTENNA GAIN: 1.249

92 FEET Andrew 1-5/8-INCH AIR COAX (HJ7-50A) EFFICIENCY: 0.957

TPO: 3,430.1213 WATTS

CONFIRMATION: $3,430.1213 \times 1.249 \times .957 = 4,099.999$ WATTS

NOTE: TPO SHOWN AS 3.43 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.