

Educational Media Foundation
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Rocklin, CA 95765

Lynchburg, VA
WAWX

Transmitter Power Output Calculation

The purpose of this license modification is to correctly specify the WAWX transmit antenna model and correct the transmitter power output figure.

Transmitter Power Output

AUTHORIZED ERP: 6 KILOWATTS

3 BAY ERI LPX-3C ANTENNA GAIN: 1.559

191 FEET RFS 1-5/8-INCH AIR COAX (HCA158-50) EFFICIENCY: 0.918

TPO: 4192.3974 WATTS

CONFIRMATION: $4192.3974 \times 1.559 \times 0.918 = 5,999.9999$ WATTS

NOTE: TPO IS SHOWN AS 4.20 KILOWATTS (100.18%) DUE TO ROUNDING AND RESOLUTION OF THE FORM.