

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Pueblo, CO
KLCX Aux

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 1.75 KILOWATTS

2 BAY AAT-ANT-FM-BB-C-2-76 ANTENNA GAIN: 0.95

340 FEET ROSENBURGER 7/8-INCH FOAM COAX (RLCX-SL078R) EFFICIENCY: 0.754

AAT BP-IR-3-7K-N BANDPASS FILTER EFFICIENCY: .906

6' JUMPER 7/8" FOAM EFFICIENCY: .970

TPO: 2,779.9893 WATTS

CONFIRMATION: $2,779.9893 \times .95 \times .754 \times .903 \times .970 = 1,749.9997$ WATTS

NOTE: TPO IS SHOWN AS 2.780 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM