

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Magalia, CA
KLVC

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 5700 WATTS
ERI LPX-2E ANTENNA POWER GAIN: 0.997
352 FEET ROSENBERGER RLCX-SL158R 1-5/8 INCH COAX EFFICIENCY: 0.857
AAT 158-14-STUB 1/4 WAVE STUB EVEN HARMONIC FILTER EFFICIENCY: 0.999
TPO: 6,677.7995 WATTS

CONFIRMATION: $6,677.7995 \times 0.999 \times 0.857 \times 0.997 = 5,699.9997$ WATTS

NOTE: TRANSMITTER POWER OUTPUT STATED AS 6.678 DUE TO ROUNDING AND RESOLUTION OF THE FORM.