

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Amarillo, TX
KXLV

Transmitter Power Output Calculation

The purpose of this license modification is to specify a change in the KXLV transmit antenna along with the subsequent transmitter power output figure. No change in Effective Radiated Power, Center of Radiation Above Mean Sea Level, or Geographic Coordinates are proposed.

Transmitter Power Output

AUTHORIZED ERP: 27.5kw

ERI LPX-6C ANTENNA GAIN: 3.303

400.5 FEET RFS 1 5/8-INCH AIR COAX (HCA158-50) EFFICIENCY: 0.846

TPO: 9841.329 watts

CONFIRMATION: $9841.329 \times 3.303 \times .846 = 27499.999$ WATTS

NOTE: TPO SHOWN AS 9.842KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.