

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Great Falls, MT
KLSK

Compliance with 47 CFR Sections 73.1690(c)(1) through (c)(11)

Educational Media Foundation ("EMF") submits this minor modification to a licensed facility for the purpose of specifying a change in the transmit antenna. No changes to the location, center of radiation, number of antenna bays, or effective radiated power are proposed. This complies with 47 CFR Sections 73.1690(c)(1) through (c)(11) as stated specifically in 73.1690(c)(1).

The KLSK Shively 6810 10 bay full-waved spaced transmit antenna was replaced with an ERI SHPX 10 bay full-waved spaced antenna. The subsequent transmitter power output has been calculated using the ERI SHPX 10 bay antenna power gain figure of 5.68.

Transmitter Power Output Calculation

AUTHORIZED ERP: 100 KILOWATTS

10 BAY ERI SHPX-10AC ANTENNA GAIN: 5.68

465 FEET ANDREW 3-INCH AIR COAX (HJ8-50B) EFFICIENCY: 0.857

18 FEET 3-1/8" RIGID HARDLINE EFFICIENCY: .996

TPO: 20,625.832 WATTS

CONFIRMATION: $20,625.832 \times 5.68 \times 0.857 \times .996 = 99,999.983$ WATTS

NOTE: TPO IS SHOWN AS 20.625 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM