EXHIBIT 46
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NONIONIZING RADIATION COMPLIANCE
Catamount Broadcasting of Chico-Redding, Inc.
Chico, CA

The proposed KHSL-DT facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. The proposed facilities will operate with a maximum effective radiated power of 235 kilowatts using a Jampro JA/MS-16 SHBP horizontally polarized directional antenna mounted with its center of radiation located 147.8 meters above ground level on a proposed new 152.4 meter tower.

Equation (2), found on Page 30 of Supplement A to FCC OET Bulletin 65, details the calculation technique used to determine the power density at the base of a TV broadcast tower. In this case, however, it is necessary to substitute the proposed average DTV effective radiated power (235 kilowatts) for the expression $[0.4ERP_V + ERP_A]$ in this equation to compensate for the fact that DTV power levels are expressed in terms of average power, rather than peak power, as is the case for the visual portion of an analog TV signal. Utilizing the vertical radiation pattern data from Exhibit 43 to the attached application in conjunction with this equation yields a predicted a worst case power density at two meters above ground level of 4.10 $\mu W/cm^2$ from the proposed facilities, which will occur at a depression angle of 80^o. Since the maximum permitted power density for uncontrolled exposure on TV Channel 43 is 429.3 $\mu W/cm^2$, this amounts to only 0.96% of the permitted level for uncontrolled exposure. Since this value is less than 5% of the permitted level, the proposed KHSL-DT facilities are excluded from environmental processing under this FCC Standard and need not be con-

sidered in conjunction with other co-located and nearby facilities to establish uncontrolled exposure compliance with this standard.

KHSL-DT, in conjunction with other co-located and nearby facilities, will also take appropriate steps to insure that workers who must climb this tower will not be exposed to power density levels that are in excess of the permitted level for controlled exposure. These steps will include a reduction in power or the cessation of operation by any or all stations, as appropriate, at any time that workers must be on this tower in any area where the total power density levels exceed the permitted level for controlled exposure.