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NONIONIZING RADIATION COMPLIANCE

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The proposed WVXM facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. This proposed facility will operate with an effective radiated power of 2.5 kilowatts using a Jampro JMPC-2 two bay circularly polarized antenna that will be mounted at the 149 meter level on a new 152.1 meter tower that will be erected to replace the tower which supports the antenna for the station's presently licensed facilities.

The power density levels at two meters above ground level for the proposed WVXM facilities were calculated using the FCC's "FM Model" computer program. The results of these calculations are shown in Figure 29.0. As can be seen from an examination of this figure, the maximum power density generated by this facility at two meters above ground level will be $1.45 \mu\text{W}/\text{cm}^2$, which will occur at a distance of 83 meters from the base of this tower. Since the permitted power density for uncontrolled exposure to nonionizing radiation in the FM band is $200 \mu\text{W}/\text{cm}^2$, this constitutes only 0.73% of the permitted level. Since this value is less than 5% of the permitted level, the proposed facility is categorically excluded from environmental processing under this exposure standard and need not be considered in conjunction with any other nearby station in evaluating compliance with regard to uncontrolled exposure to nonionizing radiation.

WVXM will also continue to take appropriate steps to insure that workers that must be on this tower will not be exposed to levels on nonionizing radiation that are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power, as appropriate, when work becomes necessary on

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this tower in the areas where the power density levels are in excess of the permitted level for controlled exposure.