

EXHIBIT 30
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NONIONIZING RADIATION COMPLIANCE

Journal Broadcast Corporation
Nebraska City, NE

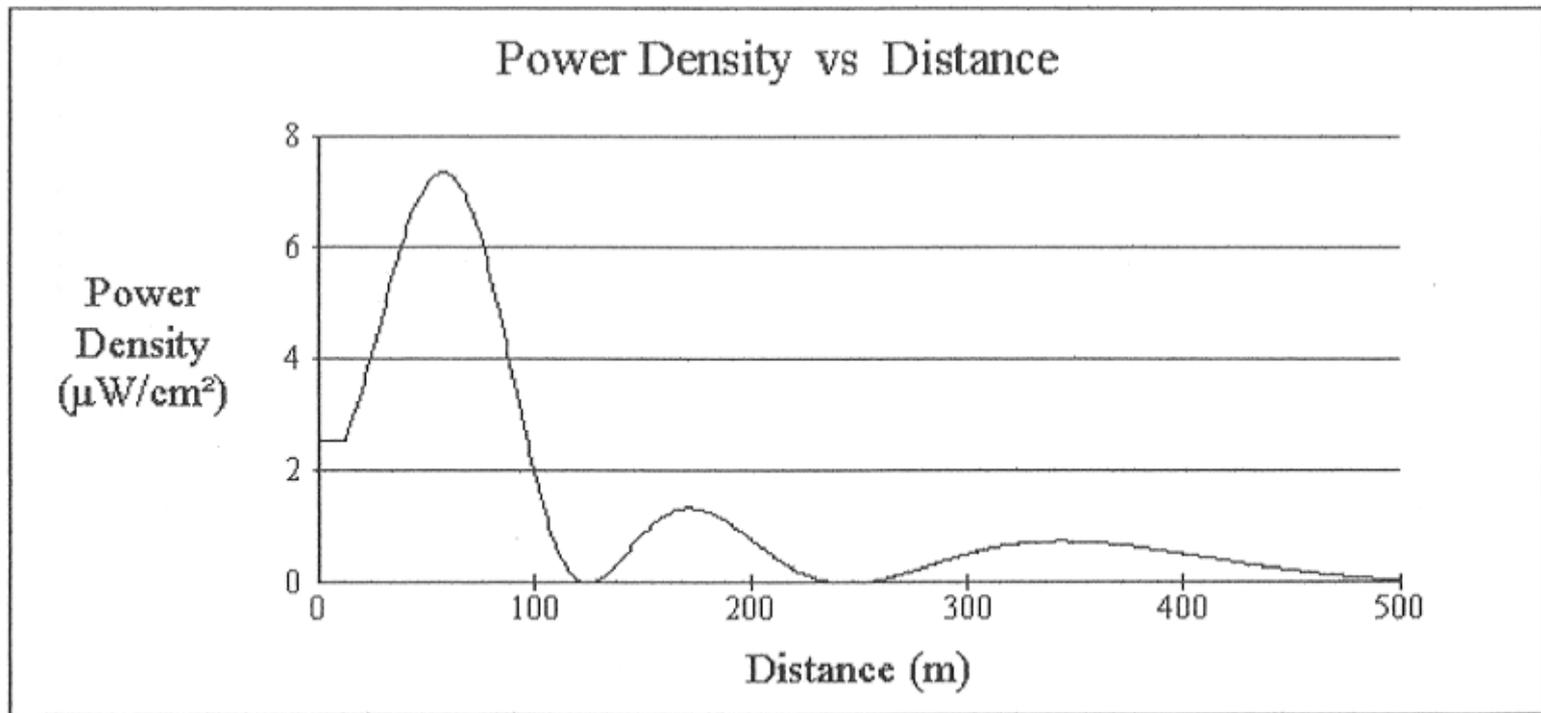
The proposed KBBX-FM auxiliary facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. These proposed auxiliary facilities will utilize an ERI FML-4C four bay circularly polarized antenna that will be mounted at the 143.6 meter level on an existing 294.7 meter tower that supports the station's main antenna system.

The predicted power density levels at two meters above ground level for the proposed KBBX-FM auxiliary facilities were calculated using the FCC's "FM Model" computer program. The results of these calculations are shown in Figure 30.0. As can be seen from an examination of this figure, the maximum power density predicted for the proposed KBBX-FM auxiliary facilities at two meters above ground level is 7.37 $\mu\text{W}/\text{cm}^2$, which will occur at a distance of 58 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 amounts to only 3.7% of the permitted level. Since this value is less than 5% of the permitted level, the proposed KBBX-FM auxiliary facilities are excluded from environmental processing under this FCC Standard and need not be considered in conjunction with other co-located or nearby facilities to evaluate uncontrolled exposure compliance with this standard.

KBBX-FM, when operating with its auxiliary facilities, will take the necessary steps to insure that workers that must be on this tower will not be exposed to levels of 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,

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when work becomes necessary in areas on this tower where the power density levels are in excess of the permitted level for controlled exposure.



Office of Engineering and Technology

Distance (m): Antenna Type:

Horizontal ERP (W): Number of Elements:

Vertical ERP (W): Element Spacing:

Antenna Height (m):

FIG. 30.0

POWER DENSITY CALCULATIONS
 (KBBX-FM AUXILIARY ANTENNA SYSTEM)
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