

EXHIBIT 30  
(Page 1 of 3)

NONIONIZING RADIATION COMPLIANCE

Zimco, Inc.  
Joplin, MO

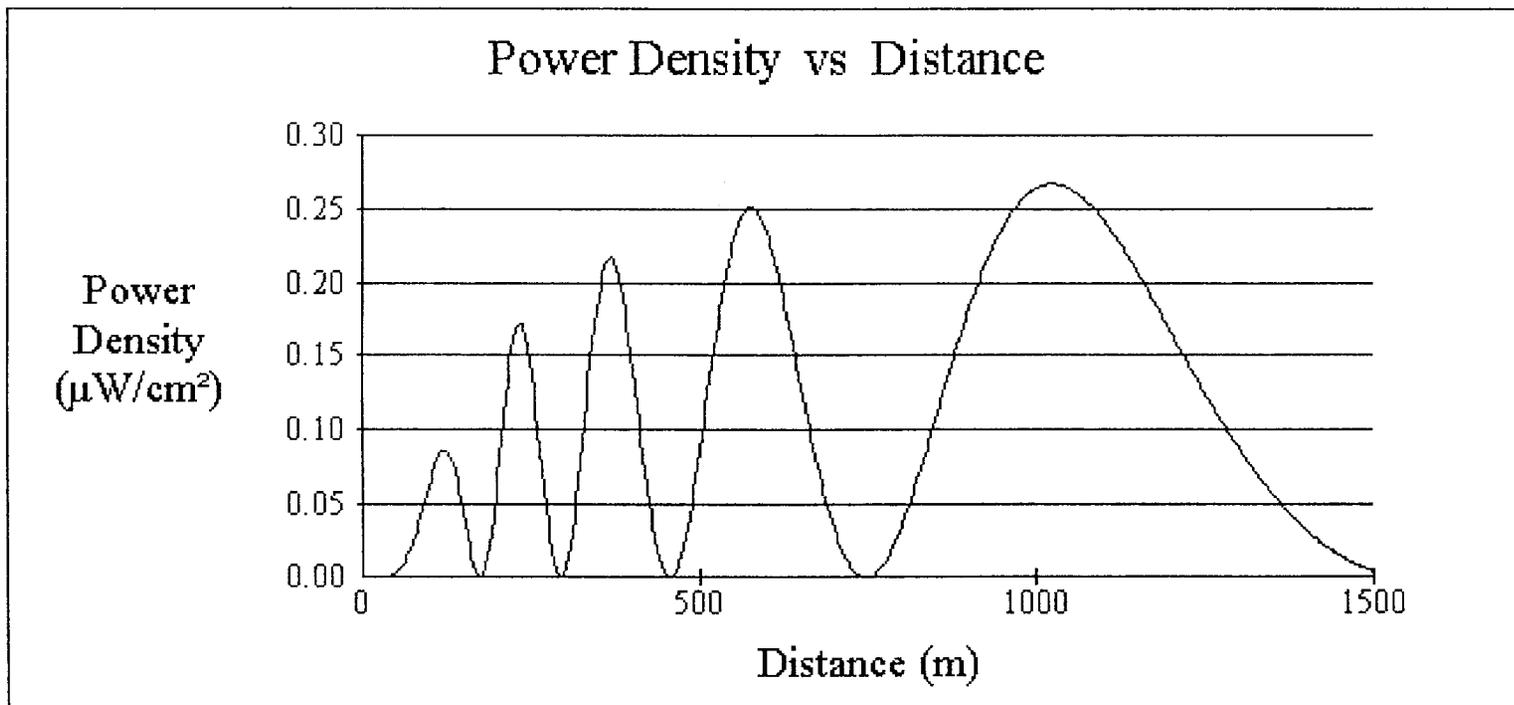
The modified KIXQ facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. These facilities will utilize an ERI D1-12A twelve bay half-wave spaced dual feed circularly polarized “rototiller” type antenna mounted with its center of radiation 265.8 meters above ground level on an existing 300.5 meter tower and will operate with a circularly polarized effective radiated power of 100 kilowatts. This tower also supports the antenna authorized by the construction permit (BPH-20020528AAS) for operation from this site by KSYN(FM) - Joplin, Missouri.

The predicted power density levels at two meters above ground level for KIXQ 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 predicted power density for KIXQ at two meters above ground level is  $0.28 \mu\text{W}/\text{cm}^2$ , which will occur at a distance of 1023 meters from the base of this tower. Since the permitted power density for uncontrolled exposure in the FM band is  $200 \mu\text{W}/\text{cm}^2$ , this amounts to only 0.14% of the permitted level for uncontrolled exposure. Since this value is less than 5% of the permitted level, the KIXQ facilities are excluded from environmental processing under this standard and need not be considered in conjunction with any other co-located or nearby facilities in evaluating compliance with this nonionizing radiation exposure standard.

KIXQ, in conjunction with KSYN, 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

EXHIBIT 30  
(Page 2 of 3)

are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power by either or both of these stations, as appropriate, when work becomes necessary in areas on this tower where the total power density levels exceed the permitted level for controlled exposure.



Office of Engineering and Technology

Distance (m):	<input type="text" value="1500"/>	Antenna Type:	<input type="text" value="ERI or JAMPRO JBCP 'Rototiller' (EPA)"/>
Horizontal ERP (W):	<input type="text" value="100000"/>	Number of Elements:	<input type="text" value="12"/>
Vertical ERP (W):	<input type="text" value="100000"/>	Element Spacing:	<input type="text" value=".5"/>
Antenna Height (m):	<input type="text" value="265.8"/>		

FIG. 30.0

KIXQ POWER DENSITY CALCULATIONS

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