

WAMX FCC 301

Auxiliary Antenna Application

Exhibit 29

Environmental Considerations and RF Radiation Statement

This proposal is categorically excluded from environmental processing under 47 C.F.R. Section 1.1306 as it meets all the criteria for such an exclusion.

This proposal calls for 2.0 kW E.R.P. at 59 meters above ground center of radiation. A standard ERI or Jampro "Roto-Tiller" (ring radiator) style antenna will be employed, two sections, full wavelength spacing. This can be expected to contribute 1.277 micro-watts per square centimeter of non-ionizing radiation, or .64% of the maximum for uncontrolled exposure, and .13% of the maximum for controlled exposure. It is therefore believed that regardless of the contribution of other users of the tower, this proposal is in compliance with the provisions of the Commission's non-ionizing radiation regulations.

Blanketing Interference

The blanketing contour of the proposed WAMX (FM) facility is determined using the following formula as defined in section 73.318 of the Commission's Rules:

$$D = .394 \times \text{sqr}(P)$$

Where:

D = distance to blanketing contour in km

P = ERP in kW of the proposed facility.

The ERP of this proposed facility is 2.5 kilowatts, which yields a blanketing contour .57 kilometers.

The antenna is located in a sparsely populated area, and it is anticipated that very little, if any, blanketing interference will be evidenced by the grant of this proposal. It is not believed that any Receiver Induced Third Order Intermodulation Effect ("RITOIE") will be caused by the operation.

Although no adverse electromagnetic interference is expected as a result of the proposed operation, the applicant recognizes its responsibility for the elimination of any objectionable interference to facilities in existence prior to the grant of this application.

In the event of unexpected complaints of RITOIE or blanketing interference, the applicant will follow the guidelines of section 73.318 and use good engineering practices, including, but not limited to, the installation of RF filters and traps to address the complaints to the Commission's satisfaction.