

ENGINEERING REPORT COVERING
REQUEST FOR CONSTRUCTION PERMIT
ON BEHALF OF KOVAS COMMUNICATIONS, INC.
FOR WONX(AM) 1590 KILOHERTZ
EVANSTON, ILLINOIS

FEBRUARY 2007

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SUMMARY

The engineering report of which this statement is part was prepared on behalf of Kovas Communications, Inc., hereinafter referred to as "Kovas", in support of an application for construction permit for station WONX(AM) Evanston, Illinois. Kovas is the licensee of WONX. The only changes sought are to increase daytime power to 7 kilowatts and change the daytime antenna system from directional to non-directional. No changes of any kind are proposed for the nighttime operation.

DAYTIME ALLOCATION CONSIDERATIONS

The geographic area encompassed by the WONX daytime allocation study is vast and as a consequence, a conventional allocation map would be hard to read. Accordingly, several maps that provide greater allocation detail in critical areas are provided in lieu of a conventional map.

Figure 1 is a co-channel allocation map. The first adjacent channel mapping is provided on Figure 2. Second adjacent channel mapping is shown in Figure 3. There are no third adjacent channel stations that impact the proposed WONX operation. The presently licensed WONX facility causes and receives prohibited contour overlap with stations WCGO Chicago Heights, Illinois, WMCW Harvard, Illinois and WKKD Aurora, Illinois, and causes overlap to WTRW Two Rivers, Wisconsin. WCGO, WMCW and WKKD are owned by Kovas Communications of Indiana, Inc., which is commonly owned with Kovas. *The three Kovas stations have pending applications to relocate to new communities and transmitter sites.* When the relocations are completed, there will no longer be any interference between the three stations and WONX. The overlap caused to WTRW will be slightly reduced by this proposal. Aside from the stations discussed, no new prohibited interference will be caused or received by the WONX proposal.

TECHNICAL DATA AND EXHIBITS

A map of the city of license service contour for the proposed WONX daytime operation is provided as Figure 4. Figure 5 is a map that plots the proposed WONX daytime 1000 mv/m contour.

FIELD STRENGTH MEASUREMENTS

All distance to contour calculations used in plotting the various allocation maps were based on M-3 soil conductivity data with several exceptions where measured conductivities were employed. In addition to WONX, field strength measurements were taken on WNTS Beech Grove, Indiana and WTVB Coldwater, Michigan. Measurement data for WTRW Two Rivers, Wisconsin that was filed in support of WONX construction permit application BP-890306AE was utilized as well. Figures 6 - 18 provide a graphical analysis of the measurements. The reference graph used for the measurement analysis is provided as Figure 19. Tables 1 -13 are tabulations of the measured data. The measurements were conducted by William L. Smith, senior field engineer for this firm, under the direction of the undersigned. The meter used for the measurements was a Potomac Instruments FIM-41, serial number 2181, last calibrated June 25, 2003.

ANSI RADIATION GUIDELINES

A study of the proposed facility was conducted with respect to standards set forth in FCC Bulletin OST Number 65, Edition 97-01, regarding human exposure to radiofrequency radiation. In order to represent a worst case scenario it was assumed the maximum power proposed, 7 kilowatts for the daytime antenna system, would be present at a single tower. The study was based on data provided in Tables 1 and 2 of Supplement A, "Predicted Distances for Compliance with FCC Limits". Based on Tables 1 and 2, a distance of 2.3 meters from the tower would have to be observed to achieve ANSI radiofrequency compliance.

When it is necessary for workers to be within the hazard area near the towers, an appropriate power reduction or temporary cessation of broadcasting will be implemented. Access to the towers will be prevented by a fence with a locked gate. Signs, warning of a RF hazard, will be conspicuously posted at the site.

DECLARATION

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Pittstown, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,

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