

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WINDOW TO THE WORLD COMMUNICATIONS, INC., licensee of WTTW-DT, Chicago, Illinois, in support of its Application for Construction Permit specifying an auxiliary facility.

Directional antenna data appears as Exhibit B, and Exhibit C is a map showing that the proposed digital 41 dBu contour will be contained within the 41 dBu contour of the main facility. It is not expected that the proposed facility would cause objectionable interference to any other authorized stations, but WTTW-DT recognizes its obligation to correct any such interference that may occur.

We have studied the RF transmissions of this facility with regard to their environmental effect. Employing the methods set forth in *OST Bulletin No. 65* and assuming a maximum relative field value of 0.10 at the pertinent vertical angles, we calculate maximum power density two meters above ground from the proposed facility to be  $0.00023 \text{ mw/cm}^2$ , which is but 0.051 percent of the  $0.45 \text{ mw/cm}^2$  reference at this frequency for uncontrolled areas. Further, WTTW-DT will enter into an agreement with the Sears Tower management and other telecommunications facilities at this location specifying that it will take whatever preventive steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive RF energy. On this basis, and since the maximum environmental contribution from this source is to be less than five

EXHIBIT A

percent of the reference, a grant of this application would clearly remain a minor environmental action.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

  
NEIL M. SMITH

January 8, 2004