

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of SAH ACQUISITION CORPORATION II, permittee of WRAY-DT, Wilson, North Carolina, in support of its Application for Modification of Construction Permit BPCDT-19991101AFB to specify a directional antenna and a slight reduction in power. It is intended that WRAY-DT will share its antenna with WRAY-TV.

Antenna pattern data appears as Exhibit B, and Exhibit C is a map of the digital service contours. Exhibit D is an allocation study.

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 considering the vertical pattern of the proposed Dielectric antenna, we calculate maximum power density two meters above ground from the proposed facility to be 0.0092 mw/cm^2 , at locations 700 meters north-northwest of the tower base, which is 2.1 percent of the 0.43 mw/cm^2 reference at this frequency for uncontrolled areas. Further, WRAY-DT 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 much less than five percent of the reference, a grant of this application would clearly remain a minor environmental action.

EXHIBIT A

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

A handwritten signature in black ink, consisting of a stylized 'N' followed by a horizontal line.

NEIL M. SMITH

February 4, 2003