

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KONG-TV, INC., licensee of KONG-TV, Everett, Washington, in support of its further amendment to its Application for Construction Permit BPCDT-19991101AFR for a new digital television station to operate on Channel 31 as KONG-DT, to specify changes in power and antenna pattern.

Antenna data appears as Exhibit B, and Exhibit C is a map of the digital service contours. Since the proposed ERP is greater than that specified in the allotment, an allocation study is included in Exhibit D. KONG-DT will share its tower with KONG-TV, KING-TV, and KING-DT. It is not expected that the proposed facility would cause objectionable interference to these or any other authorized stations, but KONG-DT recognizes its obligation to correct any such interference that may occur. Since there is to be no change in the location or overall height of this structure, the FAA has not been advised of this proposal.

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  $0.018 \text{ mw/cm}^2$ , at locations 50 meters north and south of the tower base, which is but 4.7 percent of the  $0.38 \text{ mw/cm}^2$  reference at this frequency for uncontrolled areas. Further, KONG-DT will take whatever preventive steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers

EXHIBIT A

operating in the vicinity of the antenna are not exposed to excessive RF energy. On this basis, a grant of this application would clearly be a minor environmental action.

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.

  
NEIL M. SMITH

June 21, 2002