

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KING BROADCASTING COMPANY, licensee of station KING-DT, Channel 48 in Seattle, Washington, in support of its Application for Construction Permit to operate with a maximized post-transition DTV facility.

It is proposed to mount a standard Dielectric omnidirectional antenna at the 166-meter level of the existing 174-meter tower on which the present KING-DT antenna is mounted. Exhibit B provides an elevation pattern for the proposed antenna. Exhibit C is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 48 dBu service contour. An interference study is included in Exhibit D, and it is important to note that the study utilized a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometers. A power density calculation is provided in Exhibit E.

It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the KING-DT site. However, if such should occur, the owner of this station recognizes its obligation to take whatever corrective actions are necessary.

Since no change in overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. In addition, the FCC has issued Antenna Structure Registration Number 1032128 to this tower.

EXHIBIT A

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.

  
KYLE T. FISHER

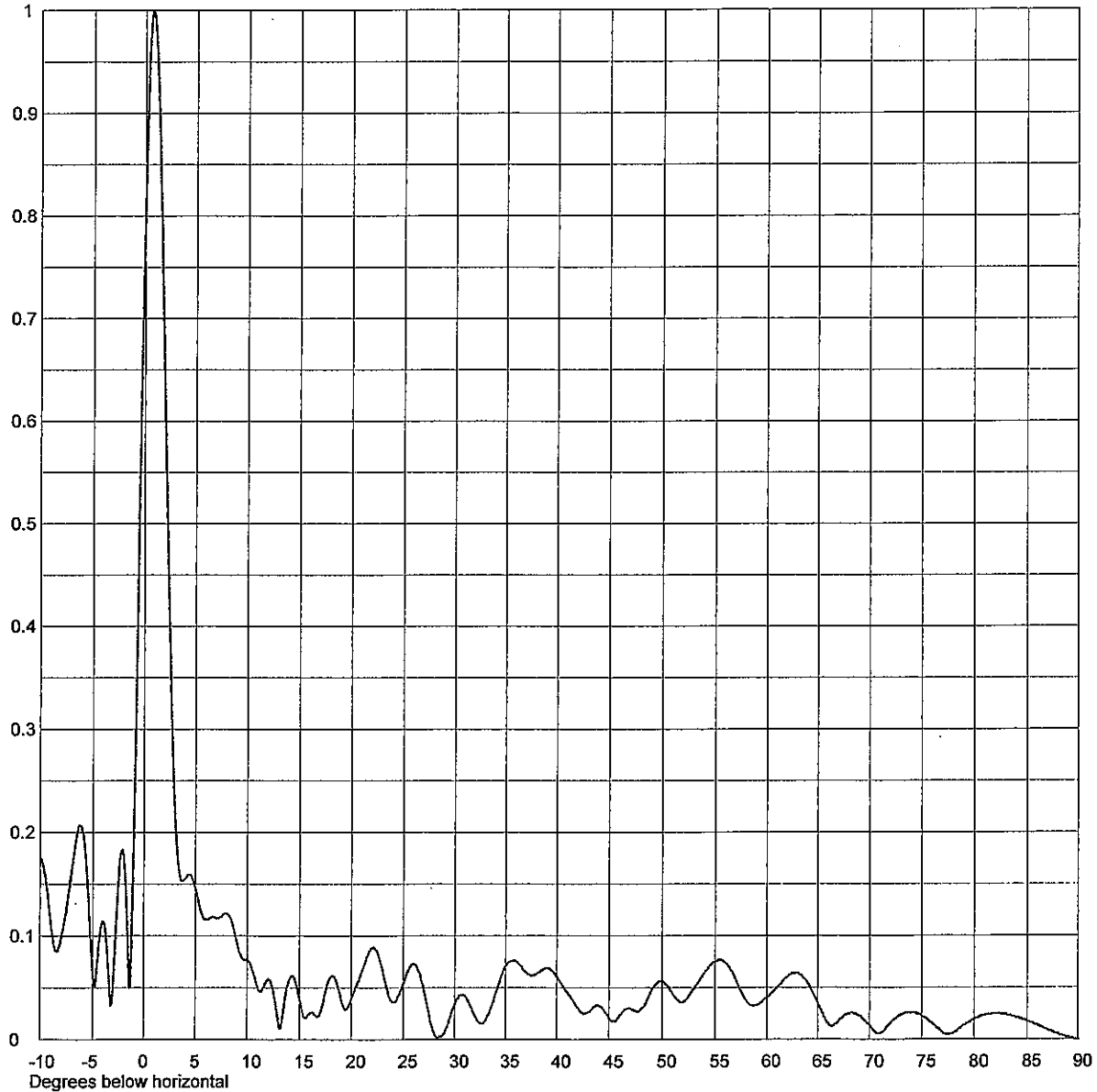
June 2, 2008

Date **02 Jun 2008**  
 Call Letters  
 Location  
 Customer  
 Antenna Type **TFU-30DSC 04**

Channel **48**

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>25.5 (14.07 dB)</b>	Beam Tilt	<b>0.75 Degrees</b>
RMS Gain at Horizontal	<b>16.6 (12.20 dB)</b>	Frequency	<b>677.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>30Q255075-90</b>



Remarks:

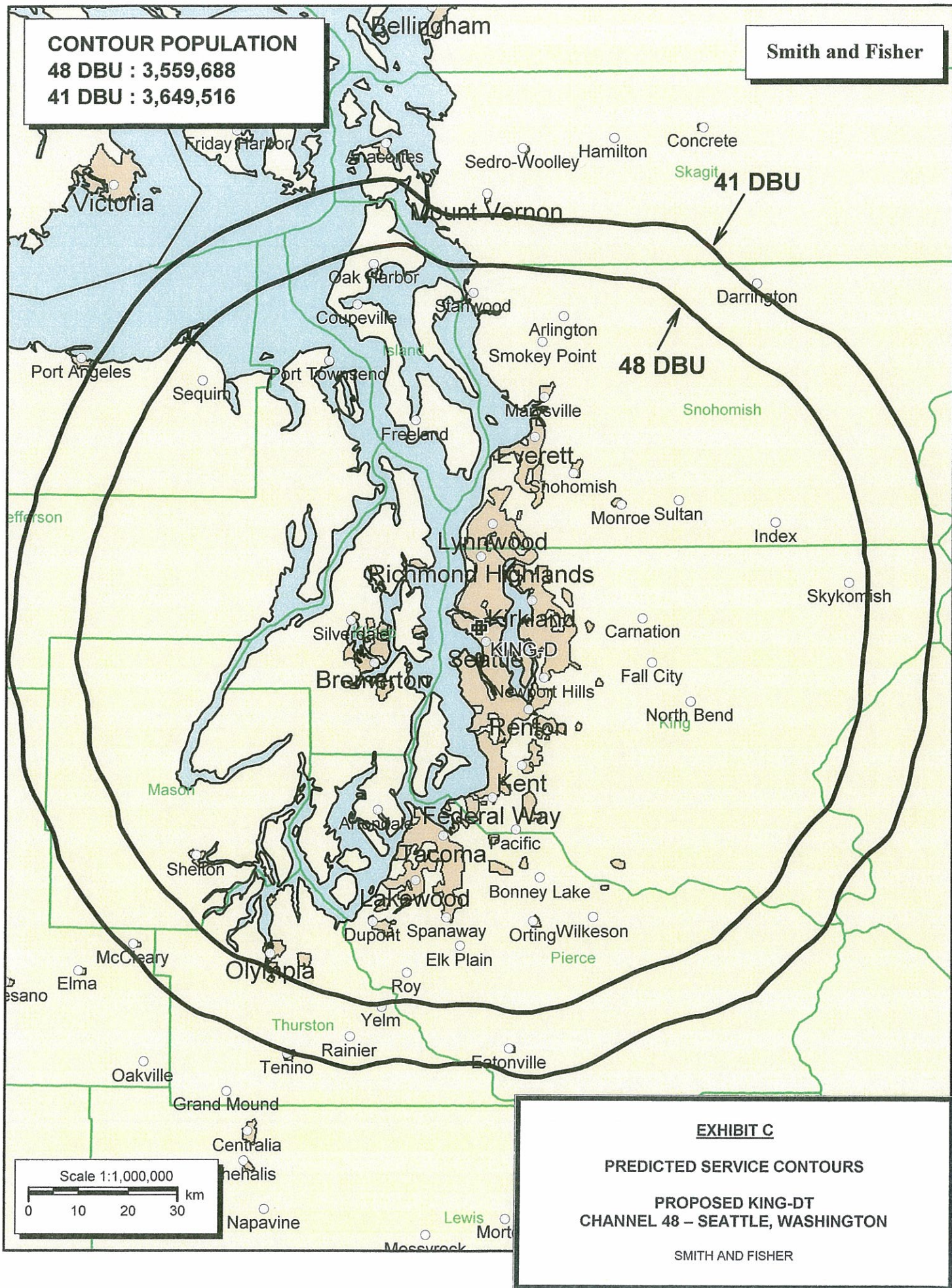
### EXHIBIT B

ANTENNA ELEVATION PATTERN

PROPOSED KING-DT  
 CHANNEL 48 – SEATTLE, WASHINGTON

SMITH AND FISHER







INTERFERENCE STUDY  
PROPOSED KING-DT  
CHANNEL 48 – SEATTLE, WASHINGTON

The instant application specifies an ERP of 1000 kw (omnidirectional) at 250 meters above average terrain, which we have determined to be allowable under the FCC's recently approved interference standards with respect to various post-transition digital television facilities as they will exist on or before February 17, 2009, the date by which all stations must operate with the parameters recently adopted in the Commission's DTV Table of Allotments.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe III" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer along each radial. In addition, we utilized the 2000 U.S. Census. Changes in interference caused by proposed KING-DT to other pertinent stations are tabulated in Exhibit D-2.

As shown, the proposed KING-DT facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted WATC-DT facility) to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed KING-DT facility does not cause significant (0.5%) interference within the protected service contour of any potentially affected Class A low power television station.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.

## INTERFERENCE STUDY SUMMARY

PROPOSED KING-DT  
CHANNEL 48 – SEATTLE, WASHINGTON

<u>Call Sign</u>	<u>Lic.</u> <u>Type</u>	<u>City, State</u>	<u>Ch.</u>	<u>Coverage</u> <u>Population</u>	Interference Population From <u>KING-DT*</u>	<u>%</u>
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[NO STATIONS AFFECTED]

Note:

\*Above that caused by allotment facility.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KING-DT  
CHANNEL 48 – SEATTLE, WASHINGTON

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Seattle facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 1000 kw, an antenna radiation center 166 meters above ground, and the elevation pattern of the Dielectric antenna, maximum power density two meters above ground of  $0.0050 \text{ mw/cm}^2$  is calculated to occur 113 meters from the base of the tower. Since this is only 1.1 percent of the  $0.45 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 48 (674-680 MHz), a grant of this proposal may be considered a minor environmental action with respect to public and occupational ground-level exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary 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 nonionizing radiation.