

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of HIC BROADCAST, INC., licensee of Digital Television Station KFWD-DT, Channel 51 in Fort Worth, Texas, in support of its request for Special Temporary Authority to operate post-transition on Channel 9 (its allotment channel) with the facilities of WFAA-DT (presently on Channel 9, but moving post-transition to Channel 8), until such time as it can finish construction of its final post-transition DTV facility (BPCDT-20080312ACF).

This STA is necessary because the authorized digital antenna on Channel 9 will be placed in the analog antenna's aperture, and the DTV antenna cannot be mounted until the analog antenna is removed. It is anticipated that this STA will be required through March, 2009.

As mentioned above, it is intended to temporarily utilize the facility of WFAA-DT. The Dielectric TF-12HT antenna is mounted at the 473-meter level of an existing 481-meter structure. Elevation and azimuth pattern data for this antenna are provided in Exhibit B. It is important to note that the proposed effective radiated power will be 0.8 kw.

Exhibit C is a map upon which the service contours of the proposed KFWD-DT STA facility are plotted. As shown, the entirety of Fort Worth lies within the predicted city-grade contour. In addition, we have performed a Longley-Rice based coverage analysis for the proposed STA facility and find that the interference-free service population is 5,006,634 (based on the 2000 U. S. Census). This value is greater than that of the analog KFWD of

EXHIBIT A

interference-free service population (4,925,516) calculated by the FCC and reported in their allotment table (dated December 21, 2004). In addition, the proposed DTV STA operation on Channel 9 will cover all of the 4,934,880 people within the interference-free service area KFWD-DT on Channel 51. On these bases, this proposal meets the Commission's 85% coverage requirement for post-transition STA facilities.

We have conducted a Longley-Rice interference study based on the methodology contained in the FCC's *OET Bulletin 69*. The results of that study are provided in Exhibit D. It concludes that the proposed temporary post-transition operation of the KFWD-DT STA facility will not cause more than 0.5 percent interference to any post-transition digital television facility or Class A low power television station.

A power density calculation for the proposed STA facility is provided in Exhibit E.

Since no change in the overall height or location of the existing WFAA-DT tower is proposed herein, the FAA has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1011407 to this tower.

I declare under penalty of perjury that the foregoing statements are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

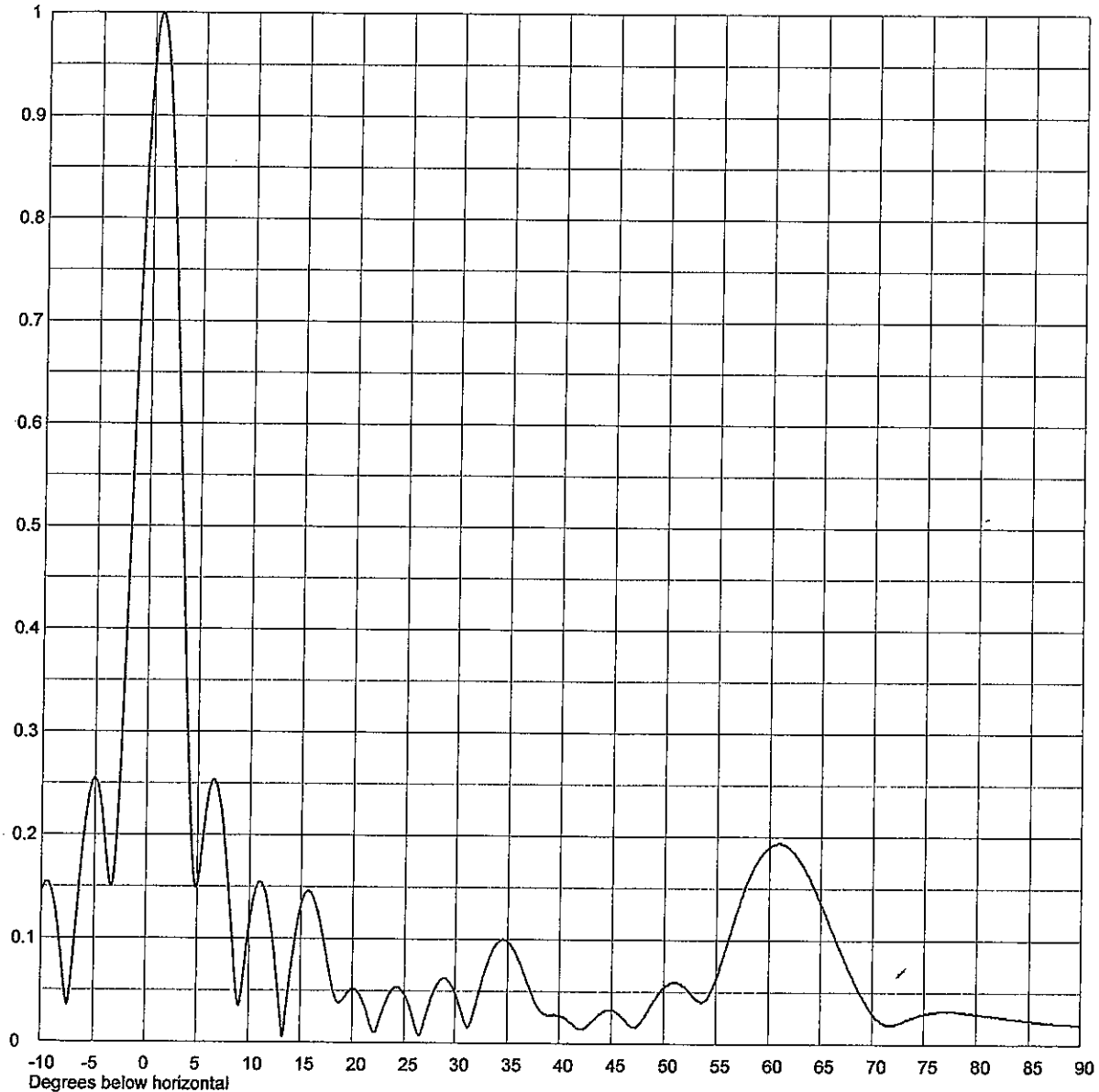
October 17, 2008

Date **17 Oct 2008**  
 Call Letters  
 Location  
 Customer  
 Antenna Type **TF-12HT**

Channel **9**

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>12.0 (10.79 dB)</b>	Beam Tilt	<b>0.75 Degrees</b>
RMS Gain at Horizontal	<b>10.7 (10.29 dB)</b>	Frequency	<b>189.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>12S120075-90</b>



Remarks:

### EXHIBIT B-1

#### ANTENNA ELEVATION PATTERN

PROPOSED KFWD-DT STA  
 CHANNEL 9 – FORT WORTH, TEXAS

SMITH AND FISHER

Date **17 Oct 2008**  
Call Letters  
Location  
Customer  
Antenna Type **TF-12HT**

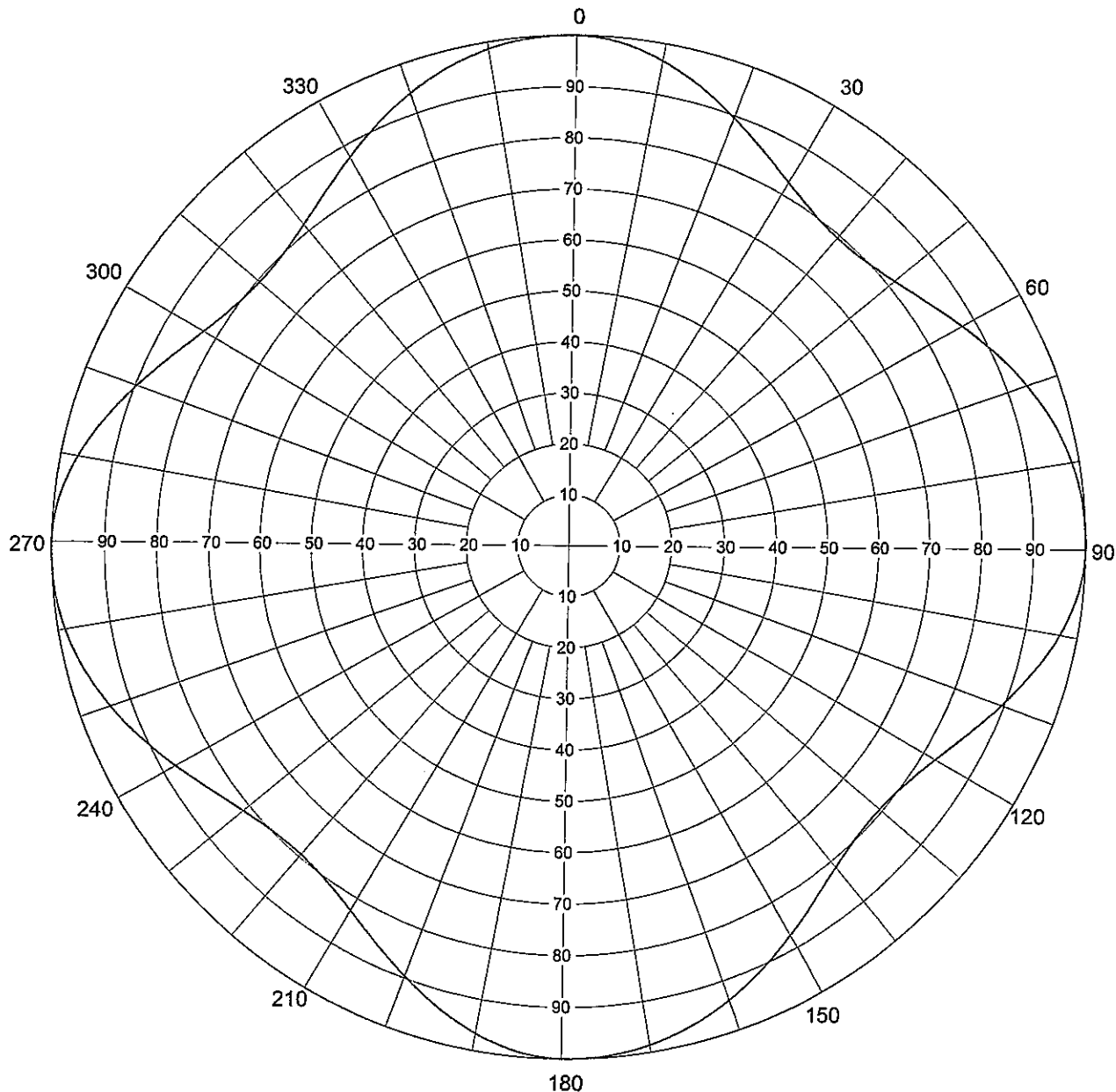
Channel **9**

## AZIMUTH PATTERN

Gain  
Calculated / Measured

**1.20 (0.79 dB)**  
**Calculated**

Frequency **189 MHz**  
Drawing # **TF-O**



Remarks:

**EXHIBIT B-2**  
**ANTENNA AZIMUTH PATTERN**  
**PROPOSED KFWD-DT STA**  
**CHANNEL 9 - FORT WORTH, TEXAS**  
**SMITH AND FISHER**



EXHIBIT NO.

Date 17 Oct 2008

Call Letters

Channel 9

Location

Customer

Antenna Type TF-12HT

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # TF-O

Angle	Field	ERP (kW)	ERP (dBk)
0	1.000	0.8	-0.97
10	0.967	0.7	-1.26
20	0.896	0.6	-1.92
30	0.827	0.5	-2.62
40	0.794	0.5	-2.97
50	0.815	0.5	-2.75
60	0.874	0.6	-2.14
70	0.940	0.7	-1.51
80	0.986	0.8	-1.09
90	1.000	0.8	-0.97
100	0.967	0.7	-1.26
110	0.896	0.6	-1.92
120	0.827	0.5	-2.62
130	0.794	0.5	-2.97
140	0.815	0.5	-2.75
150	0.874	0.6	-2.14
160	0.940	0.7	-1.51
170	0.986	0.8	-1.09
180	1.000	0.8	-0.97
190	0.967	0.7	-1.26
200	0.896	0.6	-1.92
210	0.827	0.5	-2.62
220	0.794	0.5	-2.97
230	0.815	0.5	-2.75
240	0.874	0.6	-2.14
250	0.940	0.7	-1.51
260	0.986	0.8	-1.09
270	1.000	0.8	-0.97
280	0.967	0.7	-1.26
290	0.896	0.6	-1.92
300	0.827	0.5	-2.62
310	0.794	0.5	-2.97
320	0.815	0.5	-2.75
330	0.874	0.6	-2.14
340	0.940	0.7	-1.51
350	0.986	0.8	-1.09

## Maxima

Angle	Field	ERP (kW)	ERP (dBk)
0	1.000	0.8	-0.97
89	1.000	0.8	-0.97
179	1.000	0.8	-0.97
269	1.000	0.8	-0.97
359	1.000	0.8	-0.97

## Minima

Angle	Field	ERP (kW)	ERP (dBk)
41	0.794	0.5	-2.97
131	0.794	0.5	-2.97
221	0.794	0.5	-2.97
311	0.794	0.5	-2.97

Remarks:

## EXHIBIT B-3

ANTENNA RELATIVE FIELD VALUES

PROPOSED KFWD-DT STA  
CHANNEL 9 – FORT WORTH, TEXAS

SMITH AND FISHER



**CONTOUR POPULATION**  
**43 DBU : 4,901,999**  
**36 DBU : 5,148,591**

**Smith and Fisher**

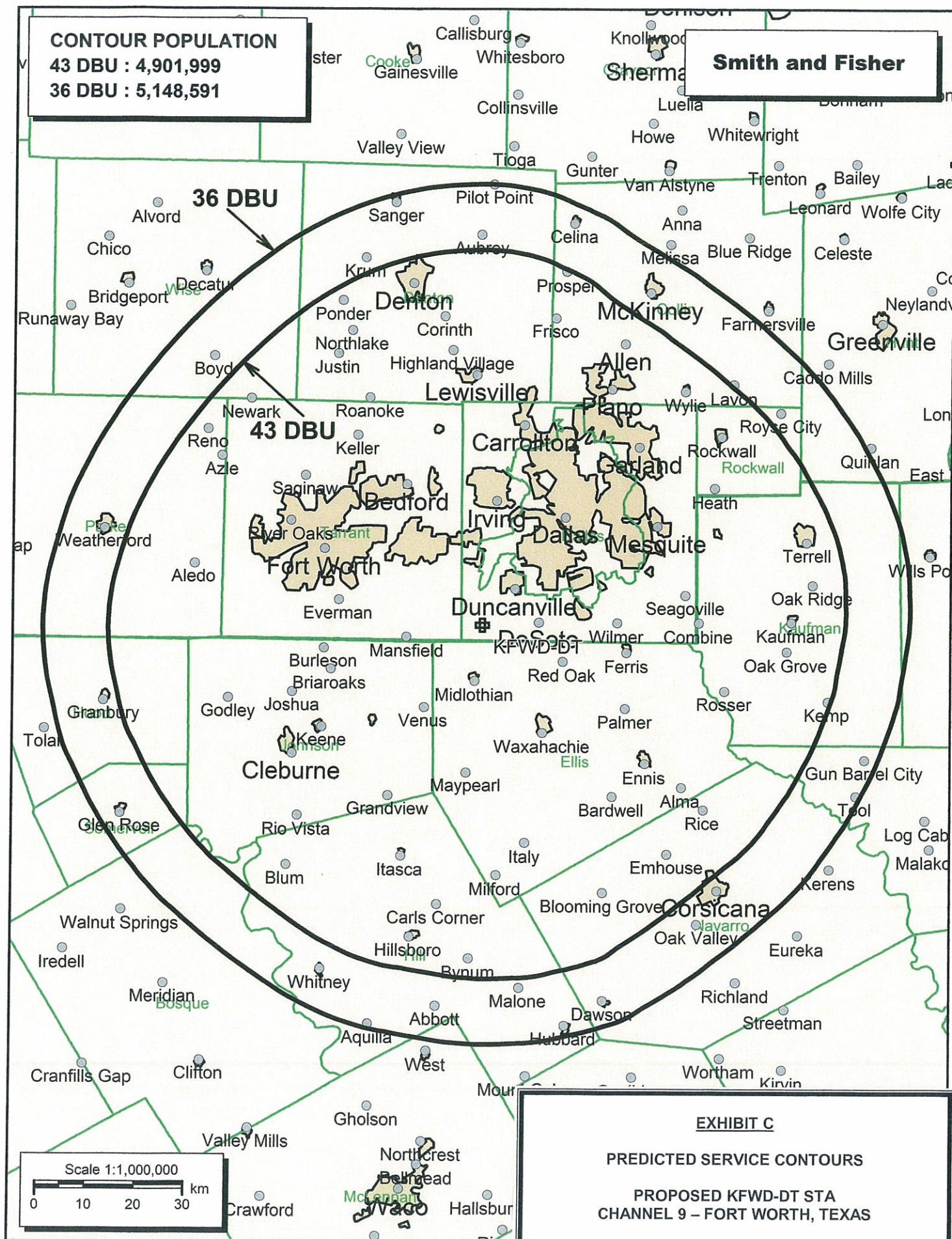




EXHIBIT D

INTERFERENCE STUDY

PROPOSED KFWD-DT STA  
CHANNEL 9 – FORT WORTH, TEXAS

The instant application specifies an ERP of 0.8 kw (directional) at 527 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 SunDTV program, which utilizes methodology contained in the FCC's OET Bulletin No. 69 (Longley-Rice-based methodology). In conducting our studies, we employed a cell size of 1.0 kilometer and an increment spacing of 0.1 kilometer along each radial. In addition, we utilized the 2000 U. S. Census.

It concludes that the proposed KFWD-DT STA facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted KFWD-DT facility) to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed KFWD-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.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KFWD-DT STA  
CHANNEL 9 – FORT WORTH, TEXAS

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Fort Worth facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 0.8 kw, an antenna radiation center 473 meters above ground, and the elevation pattern of the Dielectric TF-12HT antenna, maximum power density two meters above ground of  $0.0000036 \text{ mw/cm}^2$  is calculated to occur 250 meters from the base of the tower. Since this is significantly less than 0.1 percent of the  $0.2 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 9 (186-192 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.