

EXHIBIT A

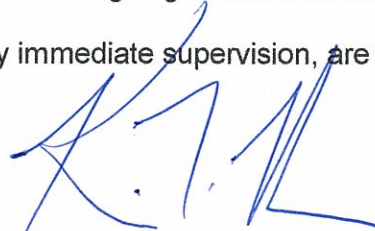
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of DIGITAL TELEVISION, LLC, in support of its Application for Construction Permit for a new digital low power television station on Channel 34 in Greenville, North Carolina.

It is proposed to mount a standard ERI (Andrew) directional antenna at the 90-meter level of an existing 101-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is provided in Exhibit D, and it is important to note that a cell size of 1 kilometer and an increment spacing of 0.1 kilometer was used in our study. A power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1231415 to this tower.

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.



KEVIN T. FISHER

July 30, 2010

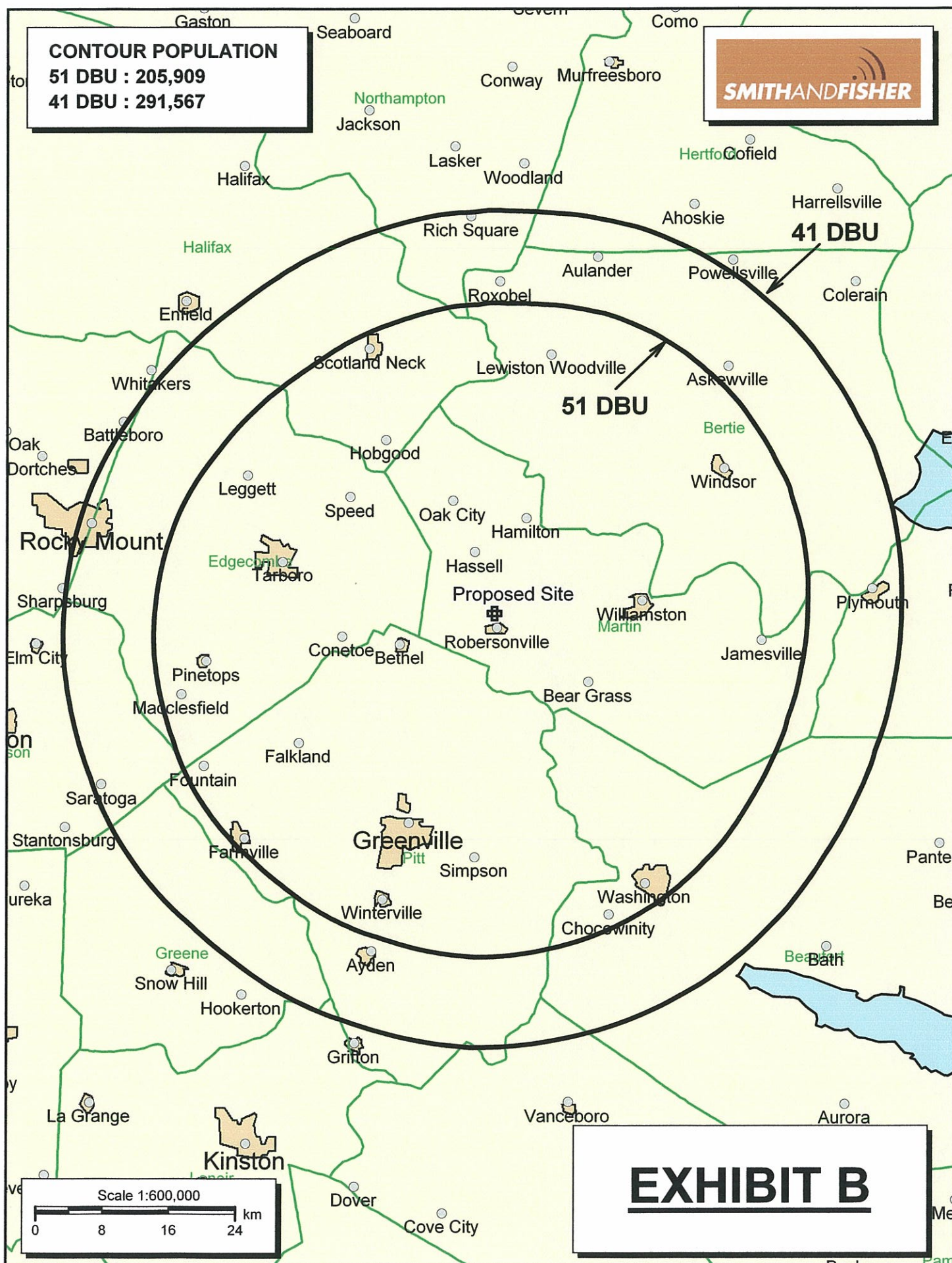




EXHIBIT C

## PROPOSED OPERATING PARAMETERS

PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 34 – GREENVILLE, NORTH CAROLINA

Transmitter Power Output:	1.6 kw
Transmission Line Efficiency:	65.9%
Antenna Power Gain – Toward Horizon:	14.06
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Toward Horizon:	15.0 kw
Effective Radiated Power – Main Lobe:	15.0 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew LDF7-50A
Size and Type:	1-5/8" foam heliax
Length:	300 feet*
Antenna Make and Model:	ERI (Andrew) AL8
Orientation	225° T
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	90 meters
Radiation Center Above Mean Sea Level:	112 meters

\*Estimated

LONGLEY-RICE INTERFERENCE STUDY  
PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 34 – GREENVILLE, NORTH CAROLINA

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 0.1 kilometer increments along each radial studied, and employs the 2000 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than the proposed station) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit D-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed digital LPTV facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

Greenville\_2\_summary.txt  
Summary Study

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-30-2010      Time: 15:39:01

Record Selected for Analysis

PROPOSED USERRECORD-01                      LUFKIN                      US  
 Channel 34 ERP 15.      kW      HAAT 94. m      RCAMSL 00112 m      STRINGENT MASK  
 Latitude 035-50-27      Longitude 0077-15-11  
 Status APP              Zone 1      Border  
 Dir Antenna Make usr      Model USRPAT01              Beam tilt N      Ref Azimuth 0.  
 Last update              Cutoff date              Docket  
 Comments  
 Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.10 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	5.673	94.8	37.2
45.0	6.814	98.8	38.6
90.0	5.673	96.2	37.4
135.0	6.733	99.3	38.6
180.0	11.962	96.4	41.1
225.0	14.910	89.6	41.4
270.0	11.962	92.1	40.6
315.0	6.733	88.6	37.3

Contour Overlap to Proposed Station

Station  
 WARZ-LP 34 SMITHFIELD-SELMA      NC BLTTA20070619ABR      causes

Contour overlap to Digital LPTV station  
 PROPOSED 34 LUFKIN                      USERRECORD01  
 Required D/U ratio:      2.0

Contour Overlap Evaluation to Proposed Station Complete





EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED DIGITAL LOW POWER TELEVISION STATION  
CHANNEL 34 – GREENVILLE, NORTH CAROLINA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Greenville facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kw, an antenna radiation center 90 meters above ground, and the vertical pattern of the ERI (Andrew) antenna, maximum power density two meters above ground of  $0.00060 \text{ mw/cm}^2$  is calculated to occur 79 meters southwest of the base of the tower. Since this is only 0.2 percent of the  $0.39 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 34 (590-596 MHz), this proposal may be excluded from consideration with respect to public 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.