

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of CABLE AD NET NEW YORK, INC., licensee of Low Power Television Station WYBN-LP on Channel 57 in Cobleskill, New York, in support of this application for modification of Construction Permit BDISDTL-20090617ACH, a displacement authorization specifying digital operation on Channel 14 from a new site. This modification seeks to make a slight change in the site location, reduce the antenna height and construct a short tower. No change in antenna make or model, orientation, or effective radiated power is proposed herein.

It is now proposed to mount the authorized Micro Communications directional antenna at the 11.3-meter level of a proposed 14.3-meter communications tower. The tower is to be located just a few meters from the site authorized in BDISDTL-20090617ACH. Exhibit B-1 is a map upon which the newly proposed 51 dBu service contour is plotted. It is important to note that the predicted 51 dBu contour continues to encompass a significant portion of the Grade A contour that obtains from the licensed analog WYBN-LP facility, as shown in Exhibit B-2. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is provided in Exhibit D, and a power density calculation follows as Exhibit E.

Due to the diminutive height of the proposed tower and its proximity to the nearest airport runway, the FAA has not been notified of this proposal. In addition, and for the same reasons, FCC antenna structure registration is not required. This conclusion is supported by the Commission's TOWAIR program.

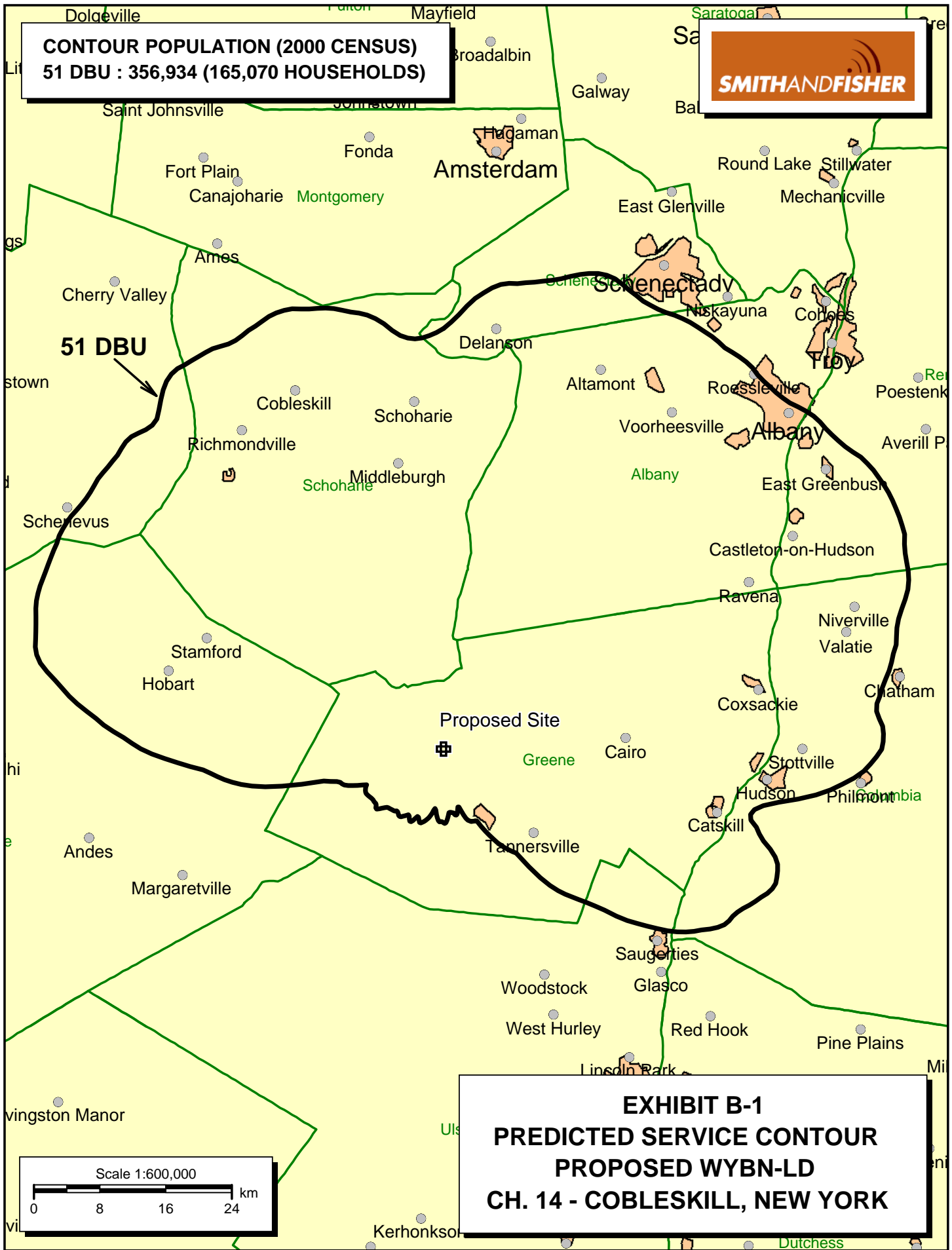
EXHIBIT A

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.



KEVIN T. FISHER

August 15, 2011



**CONTOUR POPULATION (2000 CENSUS)**  
**51 DBU : 356,934 (165,070 HOUSEHOLDS)**



**51 DBU**

**Proposed Site**

**EXHIBIT B-1**  
**PREDICTED SERVICE CONTOUR**  
**PROPOSED WYBN-LD**  
**CH. 14 - COBLESKILL, NEW YORK**

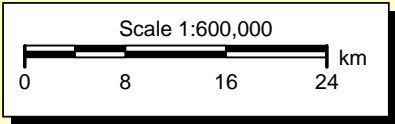




EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK  
[MODIFICATION OF BDISDTL-20090617ACH]

|  |                    |
|--|--------------------|
| Transmitter Power Output:              | 0.66 kw            |
| Transmission Line Efficiency:          | 90.3%              |
| Antenna Power Gain – Main Lobe:        | 25.2               |
| 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:                                | 90 feet*           |
| Antenna Make and Model:                | MCI 955314         |
| Orientation                            | 40° **             |
| Beam Tilt                              | 0.5 degrees        |
| Radiation Center Above Ground:         | 11.3 meters        |
| Radiation Center Above Mean Sea Level: | 912.3 meters       |

\*estimated

\*\*line of symmetry

EXHIBIT D-1

LONGLEY-RICE INTERFERENCE STUDY  
PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK  
[MODIFICATION OF BDISTL-20090617ACH]

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 1.0 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 that proposed WYBN-LD) 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 WYBN-LP facility complies with the requirements of Sections 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

It is important to note that the proposed digital LPTV facility also meets the requirements of Section 74.709 of the FCC Rules with respect to protection of the Land Mobile assignments on Channels 14 and 15 in New York, New York. Exhibit D-3 is a map on which the protected 130 kilometers arc from the New York City reference coordinates is plotted in relation to the proposed WYBN-LD co-channel interfering 52 dBu contour (using the FCC's f(50,10) curves), are plotted.

**EXHIBIT D-1**

As shown, there is no overlap between the proposed 52 dBu interference contour and the protected Land Mobile arc for the assignment in New York City. The same holds true for the Channel 15 Land Mobile allocation in New York City (which also has a protected 130 kilometer arc, but the first-adjacent interfering contour (76 dBu) from the proposed WYBN-LD facility is much smaller. Therefore, no interference from the proposed LPTV facility is expected to occur to either Land Mobile allotment in New York City.

In Exhibit D-4, we have plotted the proposed 19.5 dBu interference contour in relation to the Canadian border. From this map it is clear that the contour does not cross the U.S./Canadian border. Therefore, the proposal does not require coordination with the Canadian government.

INTERFERENCE SUMMARY

PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK  
[MODIFICATION OF BDISDTL-20090617ACH]

| <u>Call Sign</u>              | <u>Status</u> | <u>City, State</u> | <u>Ch.</u> | <u>Longley-Rice<br/>Service<br/>Population</u> | <u>Unmasked<br/>Interference From<br/>Proposed Facility</u> | <u>%</u> |
|-------------------------------|---------------|--------------------|------------|--|---|----------|
| WPTZ-DT<br>BLCDT-20070116ACW  | Lic.          | North Pole, NY     | 14         | 2,227,401                                      | 2,465   | 0.4      |
| WNYA-CD<br>BMPDTA-20081017AHE | CP            | Albany, NY         | 15         | 951,172  | 1,374   | 0.1      |



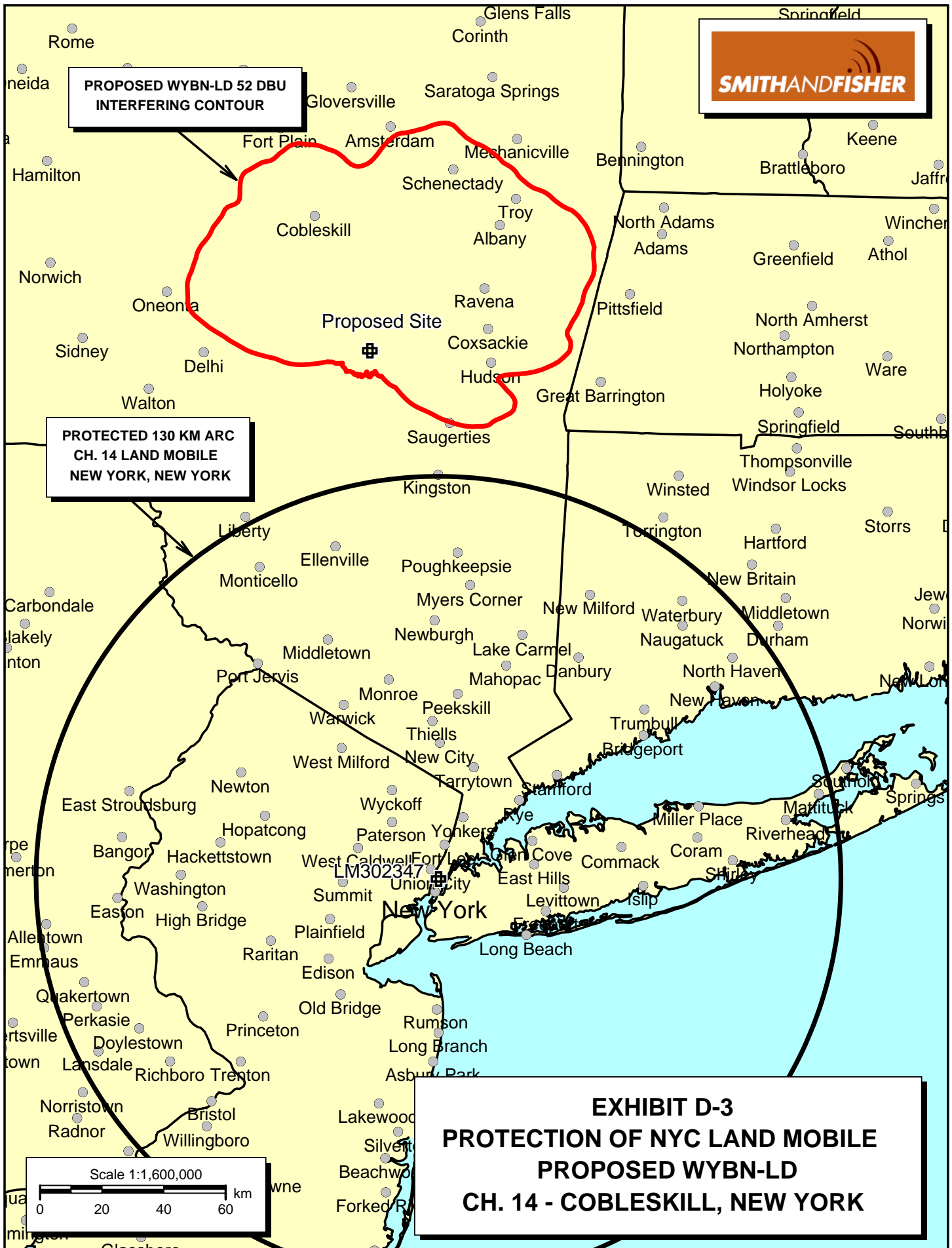




EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK  
[MODIFICATION OF BDISDTL-20090617ACH]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Cobleskill facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15 kw, an antenna radiation center 11.3 meters above ground, and the vertical pattern of the MCI antenna, maximum power density two meters above ground of  $0.014 \text{ mw/cm}^2$  is calculated to occur 5 meters north and east of the base of the tower. Since this is only 4.5 percent of the  $0.31 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 14 (470-476 MHz), a grant of this proposal may be considered a minor environmental action 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.