

EXHIBIT A

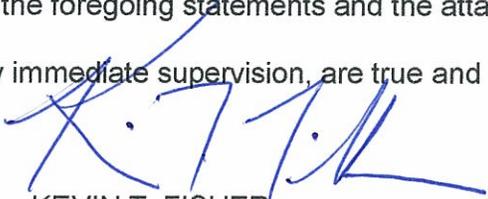
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of ADULLAM GOSPEL CHURCH, licensee of Low Power Television Station WYBN-LP on Channel 57 in Cobleskill, New York, in support of this Application for Construction Permit to specify digital operation on Channel 14 from a new site. This proposal is being submitted in response to the Commission's reclamation of Channel 57 for use by new wireless service providers, thereby placing this LPTV station in a displacement situation.

It is proposed to mount an Andrew directional antenna at the 25-meter level of an existing 35-meter communications tower. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted. It is important to note that the proposed 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed analog WYBN-LP facility, as shown in Exhibit C. Operating parameters for the proposed facility are tabulated in Exhibit D. An interference study is provided in Exhibit E, and a power density calculation follows as Exhibit F.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. Due to the diminutive height of the tower and its proximity to the nearest airport runway, FCC antenna structure registration is not required. This conclusion is supported by the Commission's TOWAIR program.

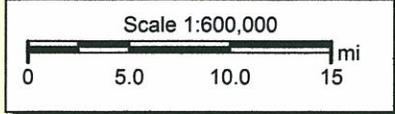
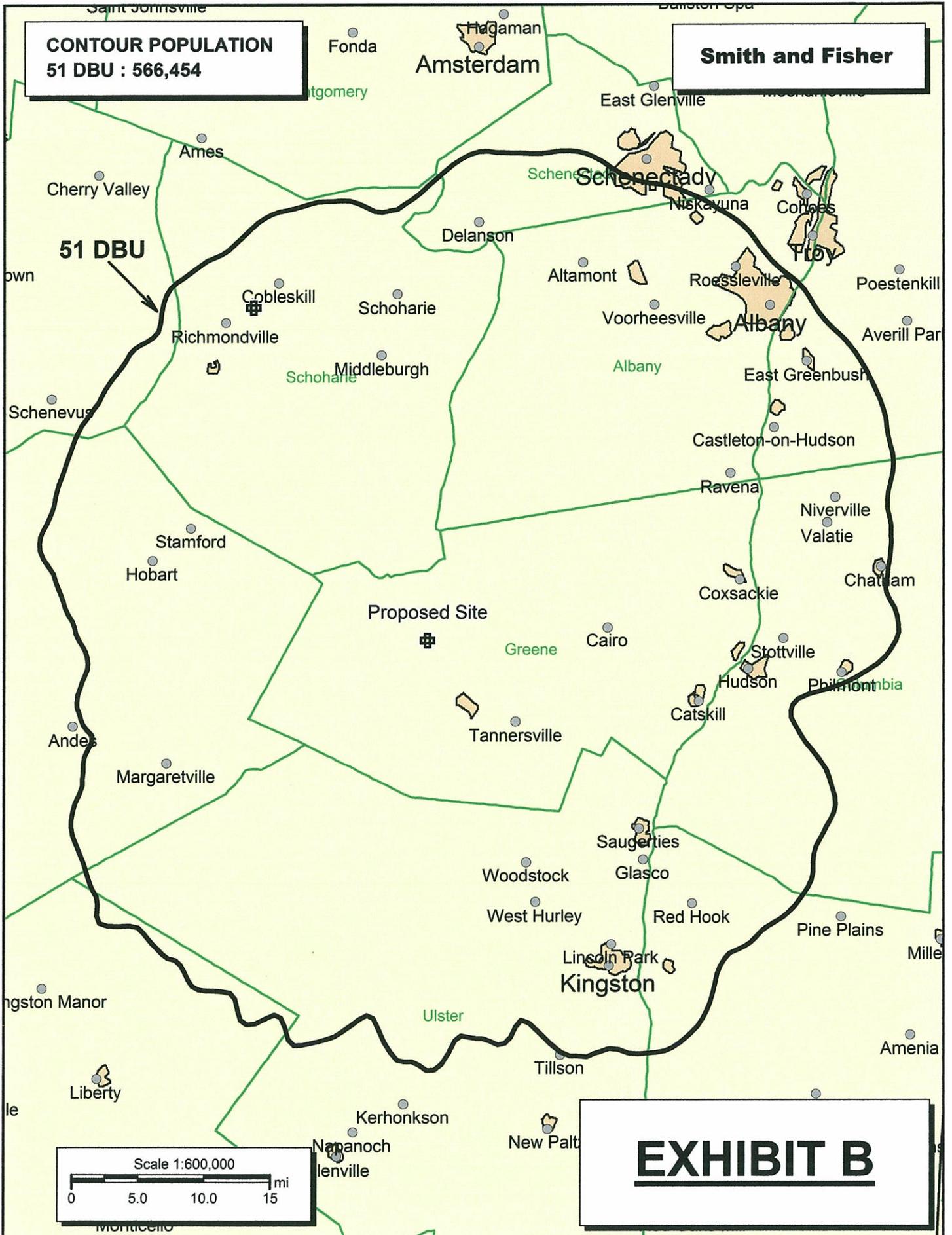
I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

  
KEVIN T. FISHER

June 15, 2009

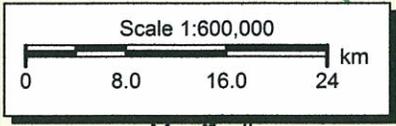
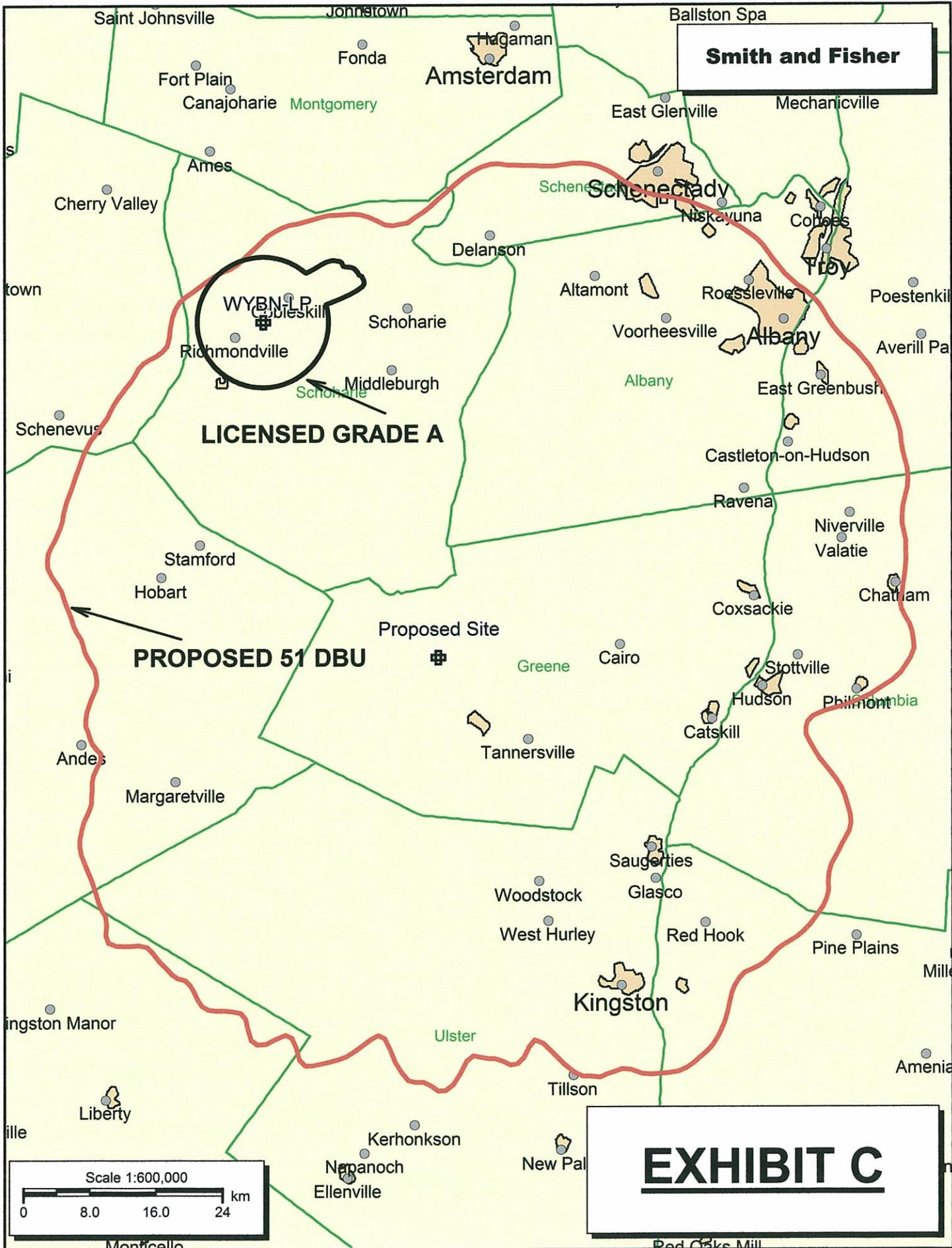
**CONTOUR POPULATION**  
**51 DBU : 566,454**

**Smith and Fisher**



**EXHIBIT B**

**Smith and Fisher**



**EXHIBIT C**

PROPOSED OPERATING PARAMETERS

PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK

|  |                    |
|--|--------------------|
| Transmitter Power Output:                  | 0.9 kw             |
| Transmission Line Efficiency:              | 88.3%              |
| Antenna Power Gain – Toward Horizon:       | 19.72              |
| Antenna Power Gain – Main Lobe:            | 19.72              |
| 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:                                    | 110 feet*          |
| Antenna Make and Model:                    | ERI ALP12L2-HSW    |
| Orientation                                | 90° T              |
| Beam Tilt                                  | 0.5 degrees        |
| Radiation Center Above Ground:             | 25 meters          |
| Radiation Center Above Mean Sea Level:     | 942 meters         |

\*estimated

LONGLEY-RICE INTERFERENCE STUDY  
PROPOSED WYBN-LP  
CHANNEL 14 – COBLESKILL, NEW YORK

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 E-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 does not meet 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 E-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 co-channel interfering 52 dBu contour (using the FCC's  $f(50,10)$  curves, are plotted. As shown, there is overlap of these two contours between the azimuths of  $130^{\circ}$  T and  $210^{\circ}$  T from the proposed LPTV site.

[This co-channel situation with regard to the Channel 14 Land Mobile assignment in New York results in more overlap than does the first-adjacent-channel (Channel 15) situation.]

We provide in Exhibits E-4 through E-8 representative terrain profiles from the proposed LPTV site to the edge of the protected Land Mobile arc along azimuths 130° T, 150° T, 170° T, 190° T and 210° T. As clearly shown, there are significant terrain obstructions that exist between the proposed LPTV site and the protected service area of the New York City Land Mobile assignment. Therefore, no interference from the proposed LPTV facility is expected to occur. Accordingly, waiver of Section 74.709 of the Commission's Rules is requested with regard to the Land Mobile assignments on Channels 14 and 15 in New York City and believed to be justified based on the above-referenced terrain shielding argument.

Summary Study

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-15-2009 Time: 06:55:57

Record Selected for Analysis

PROPOSED USERRECORD-01 COBLESKILL NY US  
 Channel 14 ERP 15. kW HAAT 327. m RCAMSL 00942 m STRINGENT MASK  
 Latitude 042-17-06 Longitude 0074-15-54  
 Status APP Zone 1 Border  
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth  
 160.  
 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<br>(Deg) | ERP<br>(kW) | HAAT<br>(m) | 51.0 dBu F(50,90)<br>(km) |
|------------------|-------------|-------------|---------------------------|
| 0.0              | 12.751      | 314.8       | 55.3                      |
| 45.0             | 13.367      | 469.6       | 62.7                      |
| 90.0             | 15.000      | 321.9       | 56.6                      |
| 135.0            | 13.367      | 272.9       | 53.3                      |
| 180.0            | 12.751      | 261.9       | 52.4                      |
| 225.0            | 4.662       | 306.9       | 49.5                      |
| 270.0            | 0.871       | 342.8       | 41.9                      |
| 315.0            | 4.662       | 323.8       | 50.4                      |

Contour Overlap to Proposed Station

Station  
 WNYA-CA 15 ALBANY NY BPTTA20040309ABH

Station inside contour of Digital LPTV station  
 PROPOSED 14 COBLESKILL NY USERRECORD01

Station  
 WNYA-CA 15 ALBANY NY BLTTA20030903ABN

Station inside contour of Digital LPTV station

PROPOSED 14 COBLESKILL NY USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

To NEW YORK NY Channel 14 from Channel 14  
 Required separation 250.0 km Actual 171.9 km Short 78.1 km

To NEW YORK NY Channel 15 from Channel 14  
 Required separation 176.0 km Actual 171.9 km Short 4.1 km  
 Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
 Distance to border = 255.0km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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 Start of Interference Analysis

|         |                  |               |              |
|---------|------------------|---------------|--------------|
|         | Proposed Station |               |              |
| Channel | Call             | City/State    | ARN          |
| 14      | PROPOSED         | COBLESKILL NY | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan No.    | Call    | City/State             | Dist(km) | Status | Application | Ref. |
|-------------|---------|------------------------|----------|--------|-------------|------|
| 14          | W14CM   | DOVER DE               | 359.6    | LIC    | BLTT        | -    |
| 20010803AAR |         |                        |          |        |             |      |
| 14          | WTSD-CA | WILMINGTON DE          | 262.3    | LIC    | BLTTA       | -    |
| 20041206AAM |         |                        |          |        |             |      |
| 14          | W14DA   | HARPSWELL ME           | 389.7    | LIC    | BLTTL       | -    |
| 20090319ACP |         |                        |          |        |             |      |
| 14          | WFBT    | BATH NY                | 243.1    | CP MOD | BMPCDT      | -    |
| 20090327AEF |         |                        |          |        |             |      |
| 14          | WUTV    | BUFFALO NY             | 390.0    | LIC    | BLCDT       | -    |
| 20060829BGK |         |                        |          |        |             |      |
| 14          | W14BU   | MASSENA NY             | 295.3    | LIC    | BLTTL       | -    |
| 19950822IM  |         |                        |          |        |             |      |
| 14          | WPTZ    | NORTH POLE NY          | 275.1    | LIC    | BLCDT       | -    |
| 20070116ACW |         |                        |          |        |             |      |
| 14          | WSTQ-LP | SYRACUSE NY            | 177.6    | LIC    | BLTTL       | -    |
| 20030604ABA |         |                        |          |        |             |      |
| 14          | W14CO   | CLARKS SUMMIT, ETC. PA | 148.7    | LIC    | BLTT        | -    |
| 20021007AAL |         |                        |          |        |             |      |
| 14          | W14CO   | CLARKS SUMMIT, ETC. PA | 148.7    | CP     | BDFCDTT     | -    |
| 20060331BKX |         |                        |          |        |             |      |
| 14          | WTSD-CA | PHILADELPHIA PA        | 312.7    | APP    | BSTA        | -    |
| 20070531AEA |         |                        |          |        |             |      |

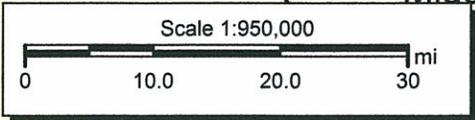
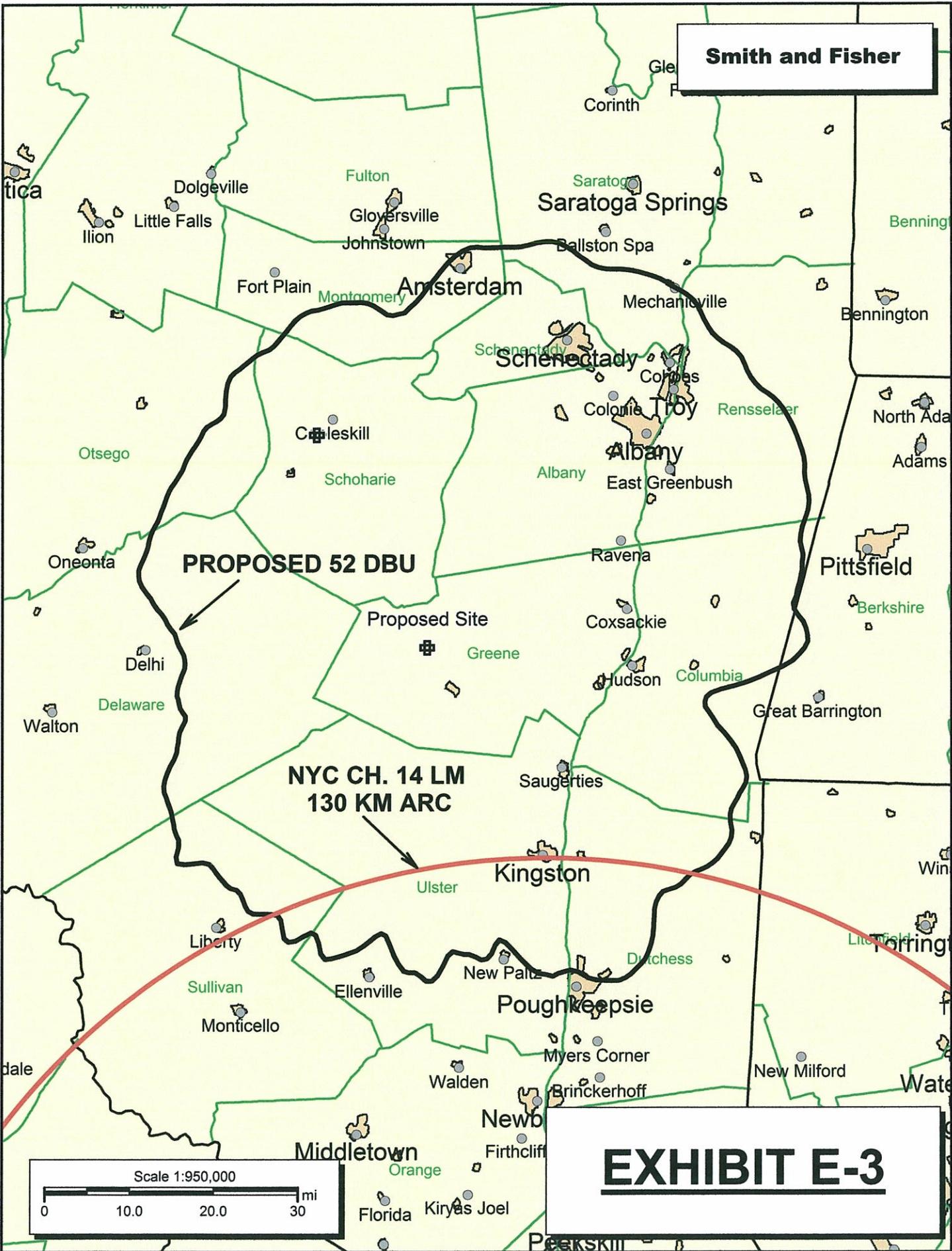
|             |         |                    |       |        |         |   |
|-------------|---------|--------------------|-------|--------|---------|---|
| 14          | WTSD-CA | PHILADELPHIA PA    | 262.3 | APP    | BSTA    | - |
| 20060626AAQ |         |                    |       |        |         |   |
| 14          | W14CK   | NEWPORT VT         | 325.0 | LIC    | BLTTL   | - |
| 19980601FG  |         |                    |       |        |         |   |
| 15          | WNYA-CA | ALBANY NY          | 44.9  | APP    | BDISDTA | - |
| 20080610ACK |         |                    |       |        |         |   |
| 15          | WNYA-CA | ALBANY NY          | 44.9  | CP     | BPTTA   | - |
| 20040309ABH |         |                    |       |        |         |   |
| 15          | WNYA-CA | ALBANY NY          | 44.9  | LIC    | BLTTA   | - |
| 20030903ABN |         |                    |       |        |         |   |
| 15          | WNYA-CA | ALBANY NY          | 44.9  | CP MOD | BMPDTA  | - |
| 20081017AHE |         |                    |       |        |         |   |
| 15          | WTKO-LP | ONEIDA NY          | 143.8 | LIC    | BLTT    | - |
| 20000302AAT |         |                    |       |        |         |   |
| 15          | WISF-LP | ONEONTA NY         | 68.5  | LIC    | BLTTL   | - |
| 19900425JZ  |         |                    |       |        |         |   |
| 15          | WSPX-TV | SYRACUSE NY        | 184.5 | CP     | BPCDT   | - |
| 20080305ABH |         |                    |       |        |         |   |
| 15          | WSPX-TV | SYRACUSE NY        | 184.5 | APP    | BMPCDT  | - |
| 20080620AIU |         |                    |       |        |         |   |
| 15          | W15CO-D | TOWANDA PA         | 195.1 | LIC    | BLDTT   | - |
| 20081125AUS |         |                    |       |        |         |   |
| 15          | W15CO-D | TOWANDA PA         | 195.1 | CP     | BPTT    | - |
| 20050920AAX |         |                    |       |        |         |   |
| 16          | W16AX   | ITHACA NY          | 184.0 | LIC    | BLTTL   | - |
| 20001220ABE |         |                    |       |        |         |   |
| 17          | W17CD   | STAMFORD CT        | 148.5 | LIC    | BLTTL   | - |
| 20070201BSO |         |                    |       |        |         |   |
| 17          | W17CI   | CLAREMONT NH       | 195.5 | LIC    | BLTTA   | - |
| 20020826ABL |         |                    |       |        |         |   |
| 17          | DW44BC  | BRENTWOOD NY       | 190.0 | APP    | BMPPTL  | - |
| 19960517UQ  |         |                    |       |        |         |   |
| 17          | WEBR-CA | MANHATTAN NY       | 172.4 | LIC    | BLTTL   | - |
| 19960116JC  |         |                    |       |        |         |   |
| 17          | W17CR   | PLAINVIEW, ETC. NY | 181.4 | CP MOD | BMPPTL  | - |
| 20050510ACC |         |                    |       |        |         |   |
| 18          | W18BN   | SCRANTON PA        | 123.4 | LIC    | BLTTL   | - |
| 19981228JB  |         |                    |       |        |         |   |
| 21          | W21CP   | GLOVERSVILLE NY    | 84.5  | LIC    | BLTT    | - |
| 20061011AAE |         |                    |       |        |         |   |
| 21          | WSSN-LP | HUDSON ET AL NY    | 35.3  | LIC    | BLTTL   | - |
| 20050915AAI |         |                    |       |        |         |   |
| 21          | W21CQ   | BENNINGTON VT      | 101.7 | LIC    | BLTTL   | - |
| 20061201AAG |         |                    |       |        |         |   |
| 21          | W21CN   | WINDSOR VT         | 195.8 | LIC    | BLTTL   | - |
| 20061108AAS |         |                    |       |        |         |   |
| 22          | W22BN   | DANBURY CT         | 121.0 | LIC    | BLTTL   | - |
| 19940912JB  |         |                    |       |        |         |   |
| 22          | WTVU-LP | SYRACUSE NY        | 177.6 | LIC    | BLTTL   | - |
| 19990816JB  |         |                    |       |        |         |   |
| 22          | WTVU-LP | SYRACUSE NY        | 177.6 | APP    | BSTA    | - |
| 20061027AHC |         |                    |       |        |         |   |

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Study of this proposal found the following interference problem(s):

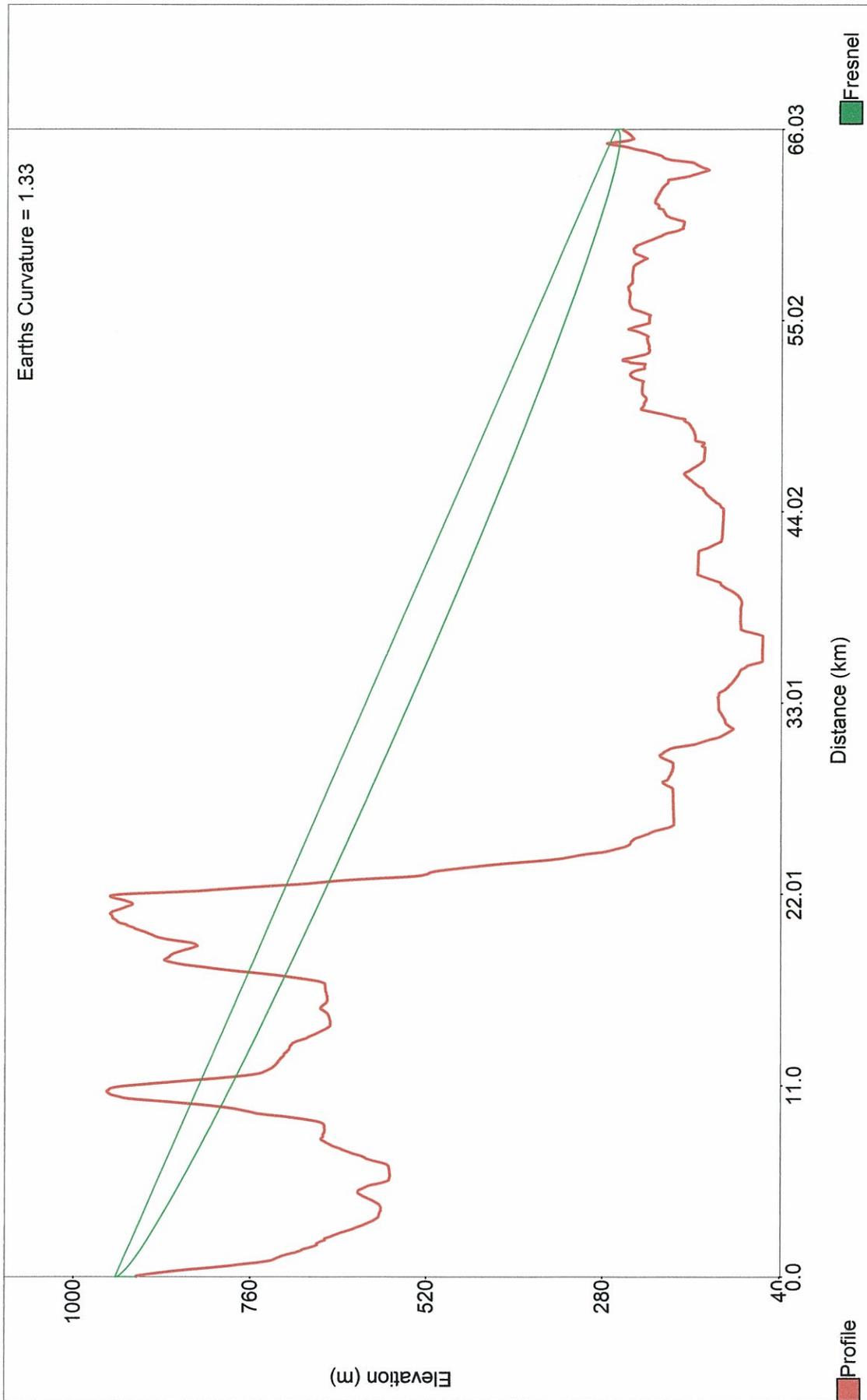
NONE.

**Smith and Fisher**



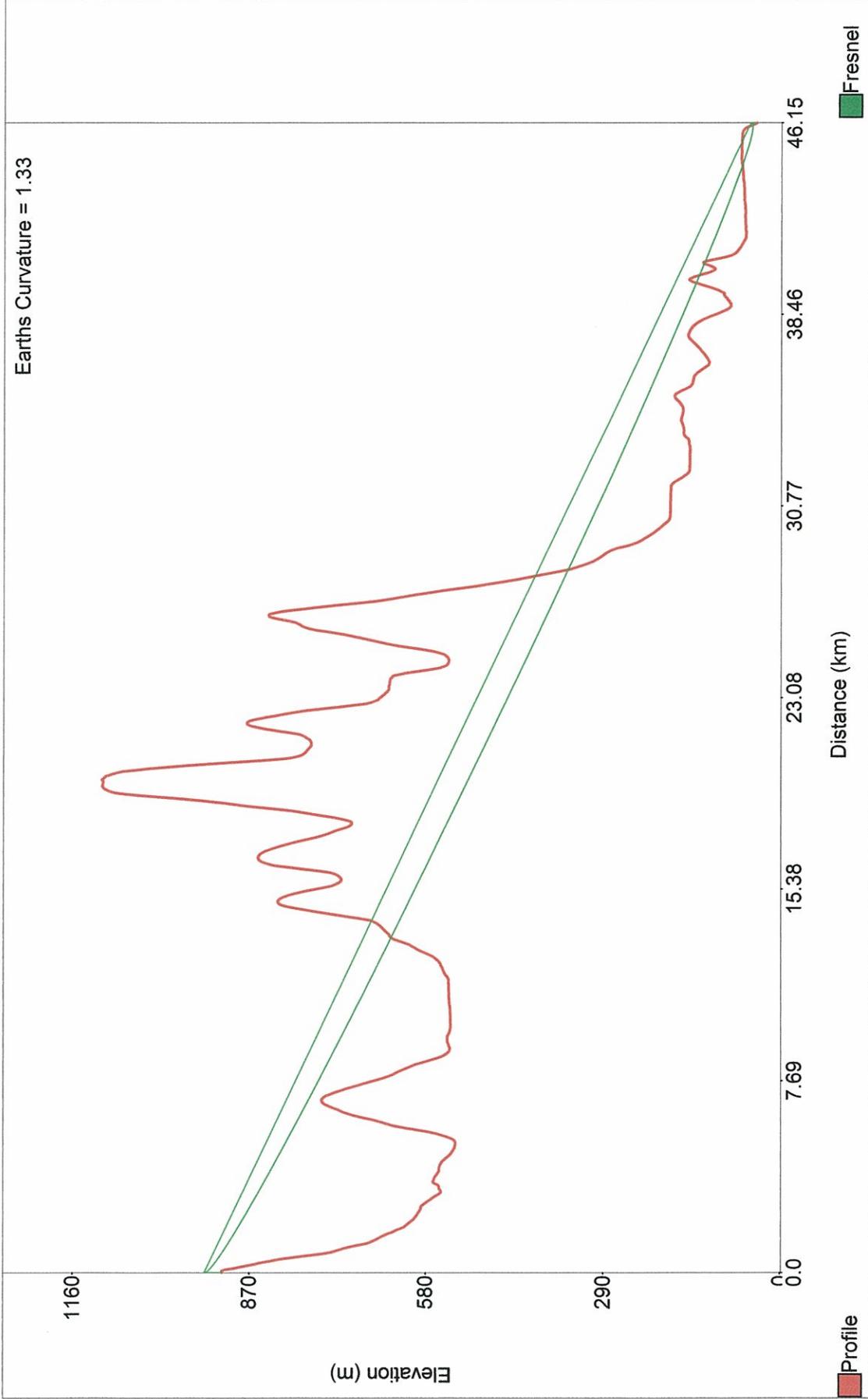
**EXHIBIT E-3**

# 130 DEGREE RADIAL TO LM PROTECTED ARC



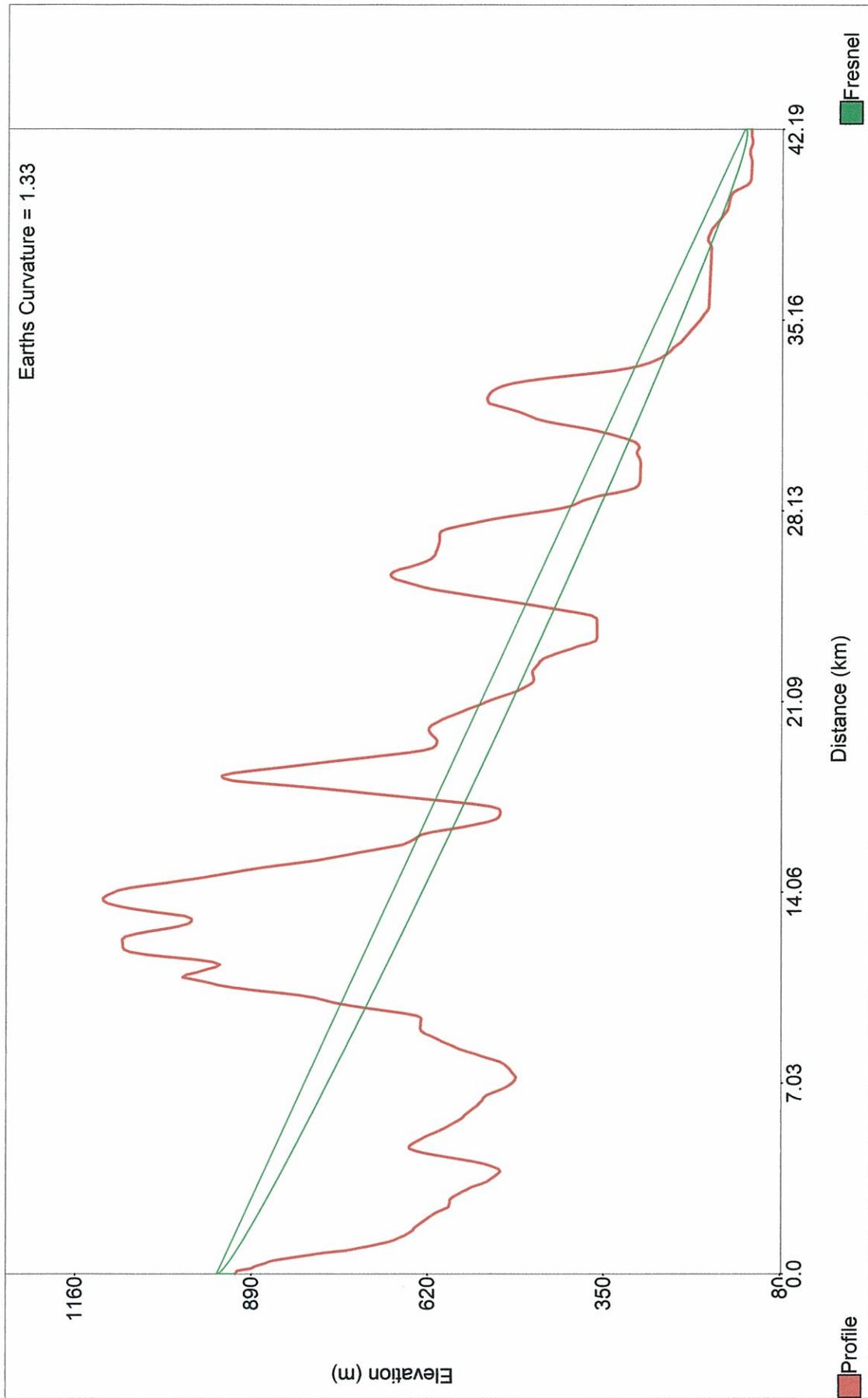
Starting Latitude: 42-17-06 N      End Latitude: 41-54-04.52 N      Distance: 66.03 km  
Starting Longitude: 074-15-54 W      End Longitude: 073-39-19.58 W      Bearing: 130 deg  
Transmitter Height (AG) = 28.6 m      Transmitter Elevation = 913.7 m      Frequency = 473.0 MHz  
Receiver Height (AG) = 10.0 m      Receiver Elevation = 254.3 m      Fresnel Zone: 0.6

# 150 DEGREE RADIAL TO LM PROTECTED ARC



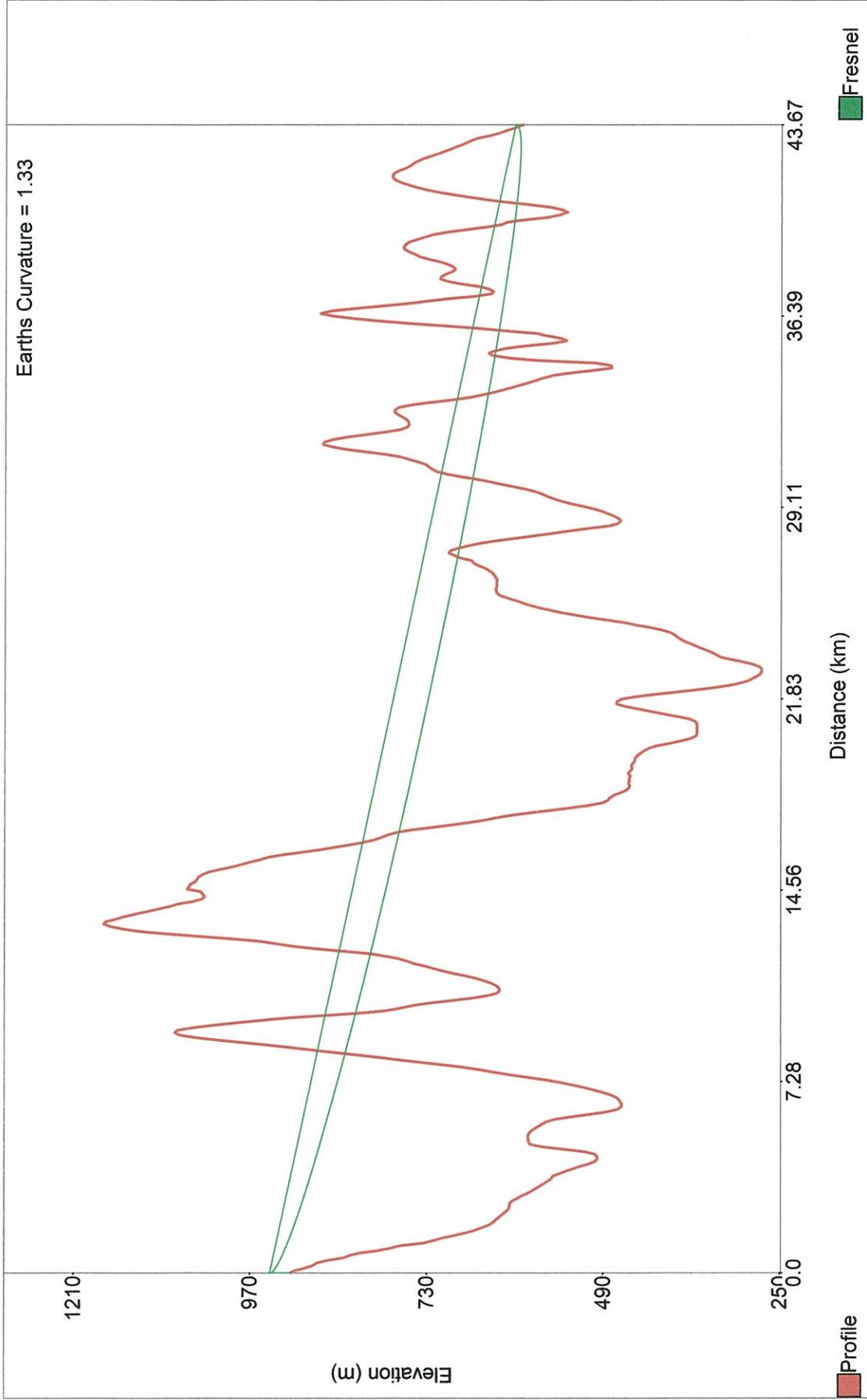
|                                  |                                 |                       |
|----------------------------------|---------------------------------|-----------------------|
| Starting Latitude: 42-17-06 N    | End Latitude: 41-55-29.41 N     | Distance: 46.15 km    |
| Starting Longitude: 074-15-54 W  | End Longitude: 073-59-12.56 W   | Bearing: 150 deg      |
| Transmitter Height (AG) = 28.6 m | Transmitter Elevation = 913.7 m | Frequency = 473.0 MHz |
| Receiver Height (AG) = 10.0 m    | Receiver Elevation = 38.1 m     | Fresnel Zone: 0.6     |

# 170 DEGREE RADIAL TO LM PROTECTED ARC



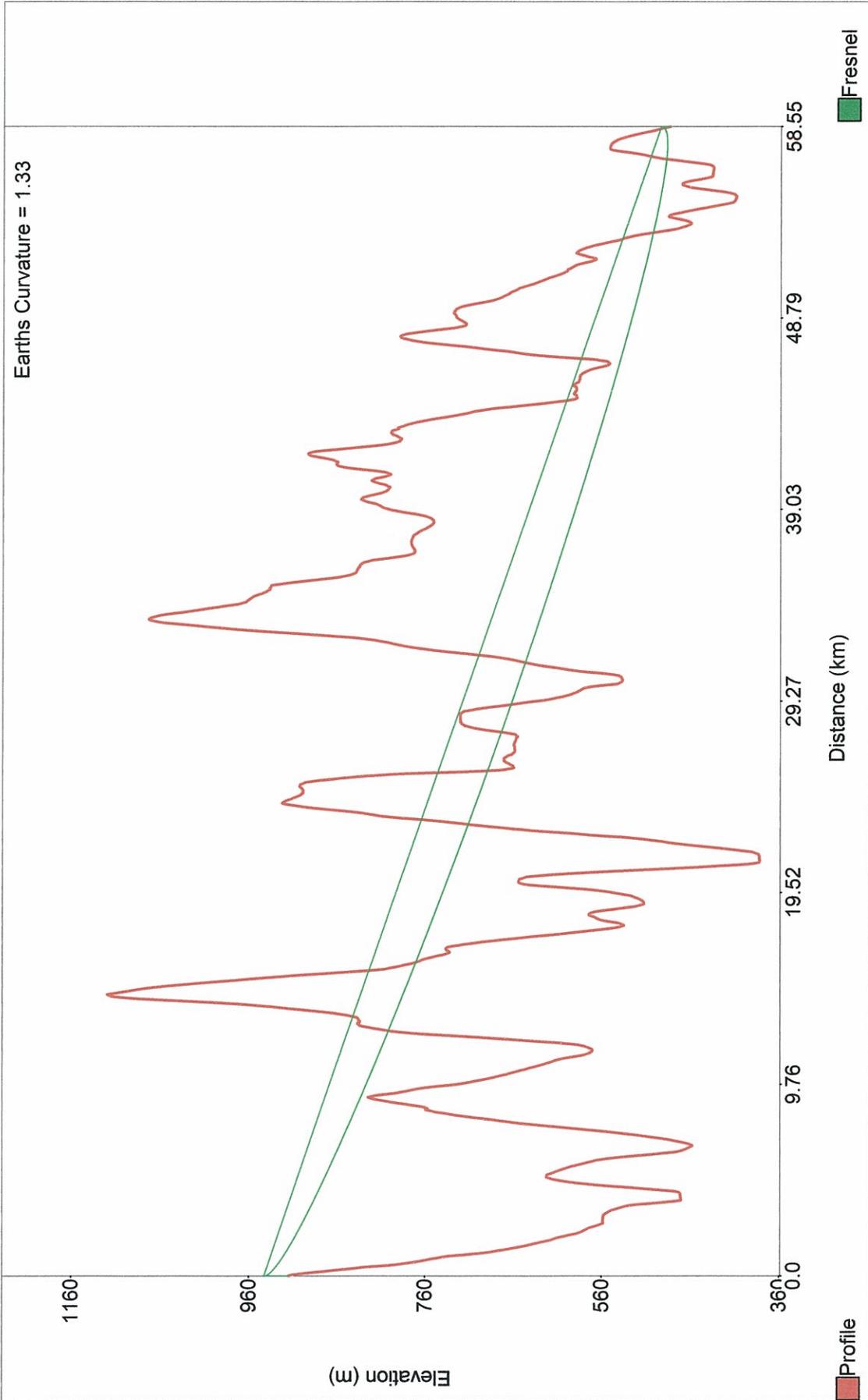
|                                  |                                 |                       |
|----------------------------------|---------------------------------|-----------------------|
| Starting Latitude: 42-17-06 N    | End Latitude: 41-54-39.23 N     | Distance: 42.19 km    |
| Starting Longitude: 074-15-54 W  | End Longitude: 074-10-36.12 W   | Bearing: 170 deg      |
| Transmitter Height (AG) = 28.6 m | Transmitter Elevation = 913.7 m | Frequency = 473.0 MHz |
| Receiver Height (AG) = 10.0 m    | Receiver Elevation = 125.4 m    | Fresnel Zone: 0.6     |

# 190 DEGREE RADIAL TO LM PROTECTED ARC



|                                  |                                 |                    |                       |
|----------------------------------|---------------------------------|--------------------|-----------------------|
| Starting Latitude: 42-17-06 N    | End Latitude: 41-53-51.98 N     | Distance: 43.67 km | Frequency = 473.0 MHz |
| Starting Longitude: 074-15-54 W  | End Longitude: 074-21-22.97 W   | Bearing: 190 deg   | Fresnel Zone: 0.6     |
| Transmitter Height (AG) = 28.6 m | Transmitter Elevation = 913.7 m |                    |                       |
| Receiver Height (AG) = 10.0 m    | Receiver Elevation = 600.2 m    |                    |                       |

# 210 DEGREE RADIAL TO LM PROTECTED ARC



|                                  |                                 |                    |                       |
|----------------------------------|---------------------------------|--------------------|-----------------------|
| Starting Latitude: 42-17-06 N    | End Latitude: 41-49-40.61 N     | Distance: 58.55 km | Frequency = 473.0 MHz |
| Starting Longitude: 074-15-54 W  | End Longitude: 074-37-02.59 W   | Bearing: 210 deg   | Fresnel Zone: 0.6     |
| Transmitter Height (AG) = 28.6 m | Transmitter Elevation = 913.7 m |                    |                       |
| Receiver Height (AG) = 10.0 m    | Receiver Elevation = 483.3 m    |                    |                       |

POWER DENSITY CALCULATION  
PROPOSED WYBN-LD  
CHANNEL 14 – COBLESKILL, NEW YORK

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 25 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of  $0.038 \text{ mw/cm}^2$  is calculated to occur 7 meters east of the base of the tower. Since this is only 12.3 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.