

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FAITH BROADCASTING NETWORK, INC., licensee of WNYB-DT, Channel 27 in Jamestown, New York, in support of its Application for Construction Permit to operate on Channel 26 (its current analog channel) with its post-transition DTV facility.

It is proposed to utilize the present analog directional antenna at the 313-meter level of the existing 323-meter tower on which the WNYB-DT antenna is presently mounted. Exhibit B provides antenna elevation and azimuth pattern data. Exhibit C-1 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. It can be seen in Exhibit C-2 that the newly proposed 41 dBu contour extends slightly beyond that of the allotment facility assigned to WNYB-DT in Appendix B of the Commission's DTV Table of Allotments. However, at no azimuth does the proposed contour exceed that of the allotment facility by more than five miles. Accordingly, since the station's post-transition DTV Channel (26) is different than its pre-transition DTV Channel (27), the applicant requests a waiver of the current freeze on the filing of such an application. An interference study is included in Exhibit D, and a power density calculation is provided in Exhibit E.

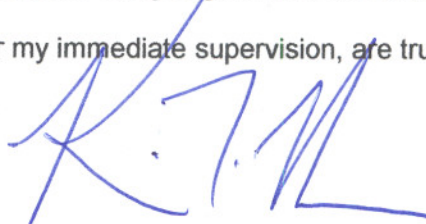
It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the WNYB-DT

EXHIBIT A

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 issued Antenna Structure Registration Number 1009129 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

February 20, 2008



ELEVATION PATTERN

| | | |
|---------------|------------|-------|
| Type: | ATW30H4H | |
| Directivity: | Numeric | dBd |
| Main Lobe: | 30.00 | 14.77 |
| Horizontal: | 9.73 | 9.88 |
| Beam Tilt: | 1.00 | |
| Polarization: | Horizontal | |
| Channel: | 26 | |
| Location: | | |
| Note: | | |

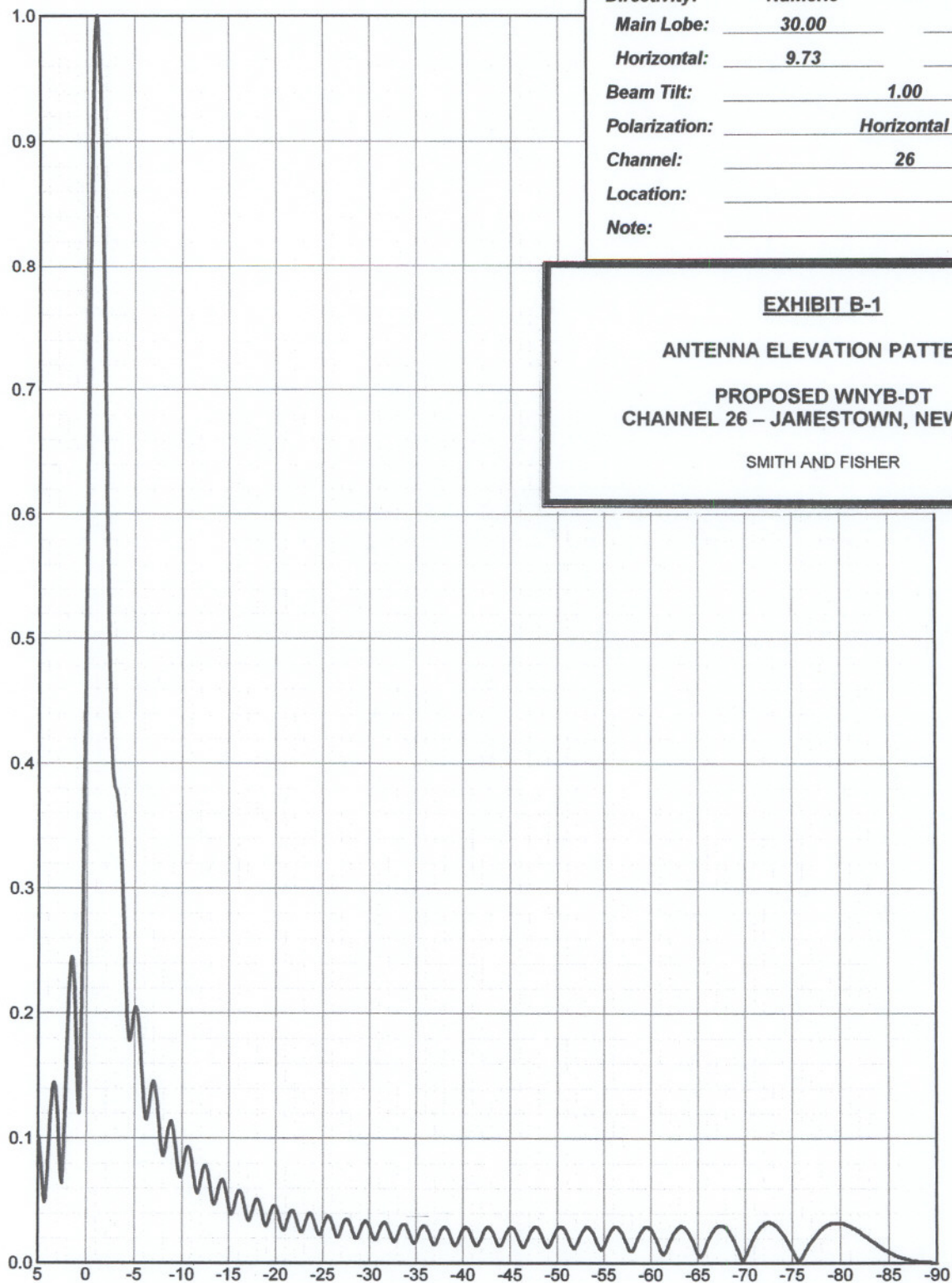
EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WNYB-DT
CHANNEL 26 - JAMESTOWN, NEW YORK

SMITH AND FISHER

Relative Field



Electronics Research, Inc.
7777 Gardner Road
Chandler, Indiana U.S.A 47610

EXHIBIT B-2**ANTENNA AZIMUTH PATTERN****PROPOSED WNYB-DT
CHANNEL 26 – JAMESTOWN, NEW YORK**

SMITH AND FISHER

**AZIMUTH PATTERN
FCC FILING FORMAT**Type: ATW-C4Polarization: Horizontal

| Angle | Field | ERP (kW) | ERP (dBk) |
|-------|-------|----------|-----------|
| 0 | 1.000 | 233.980 | 23.692 |
| 10 | 0.989 | 228.861 | 23.596 |
| 20 | 0.956 | 213.843 | 23.301 |
| 30 | 0.907 | 192.483 | 22.844 |
| 40 | 0.848 | 168.256 | 22.260 |
| 50 | 0.785 | 144.184 | 21.589 |
| 60 | 0.723 | 122.308 | 20.875 |
| 70 | 0.667 | 104.095 | 20.174 |
| 80 | 0.612 | 87.636 | 19.427 |
| 90 | 0.554 | 71.812 | 18.562 |
| 100 | 0.489 | 55.949 | 17.478 |
| 110 | 0.413 | 39.910 | 16.011 |
| 120 | 0.328 | 25.172 | 14.009 |
| 130 | 0.247 | 14.275 | 11.546 |
| 140 | 0.200 | 9.359 | 9.712 |
| 150 | 0.214 | 10.715 | 10.300 |
| 160 | 0.262 | 16.061 | 12.058 |
| 170 | 0.306 | 21.909 | 13.406 |
| 180 | 0.322 | 24.260 | 13.849 |
| 190 | 0.306 | 21.909 | 13.406 |
| 200 | 0.262 | 16.061 | 12.058 |
| 210 | 0.214 | 10.715 | 10.300 |
| 220 | 0.200 | 9.359 | 9.712 |
| 230 | 0.247 | 14.275 | 11.546 |
| 240 | 0.328 | 25.172 | 14.009 |
| 250 | 0.413 | 39.910 | 16.011 |
| 260 | 0.489 | 55.949 | 17.478 |
| 270 | 0.554 | 71.812 | 18.562 |
| 280 | 0.612 | 87.636 | 19.427 |
| 290 | 0.667 | 104.095 | 20.174 |
| 300 | 0.723 | 122.308 | 20.875 |
| 310 | 0.785 | 144.184 | 21.589 |
| 320 | 0.848 | 168.256 | 22.260 |
| 330 | 0.907 | 192.483 | 22.844 |
| 340 | 0.956 | 213.843 | 23.301 |
| 350 | 0.989 | 228.861 | 23.596 |

Electronics Research, Inc.
7777 Gardner Road
Chandler, Indiana U.S.A 47610

EXHIBIT B-3

ANTENNA RELATIVE FIELD VALUES

**PROPOSED WNYB-DT
CHANNEL 26 – JAMESTOWN, NEW YORK**

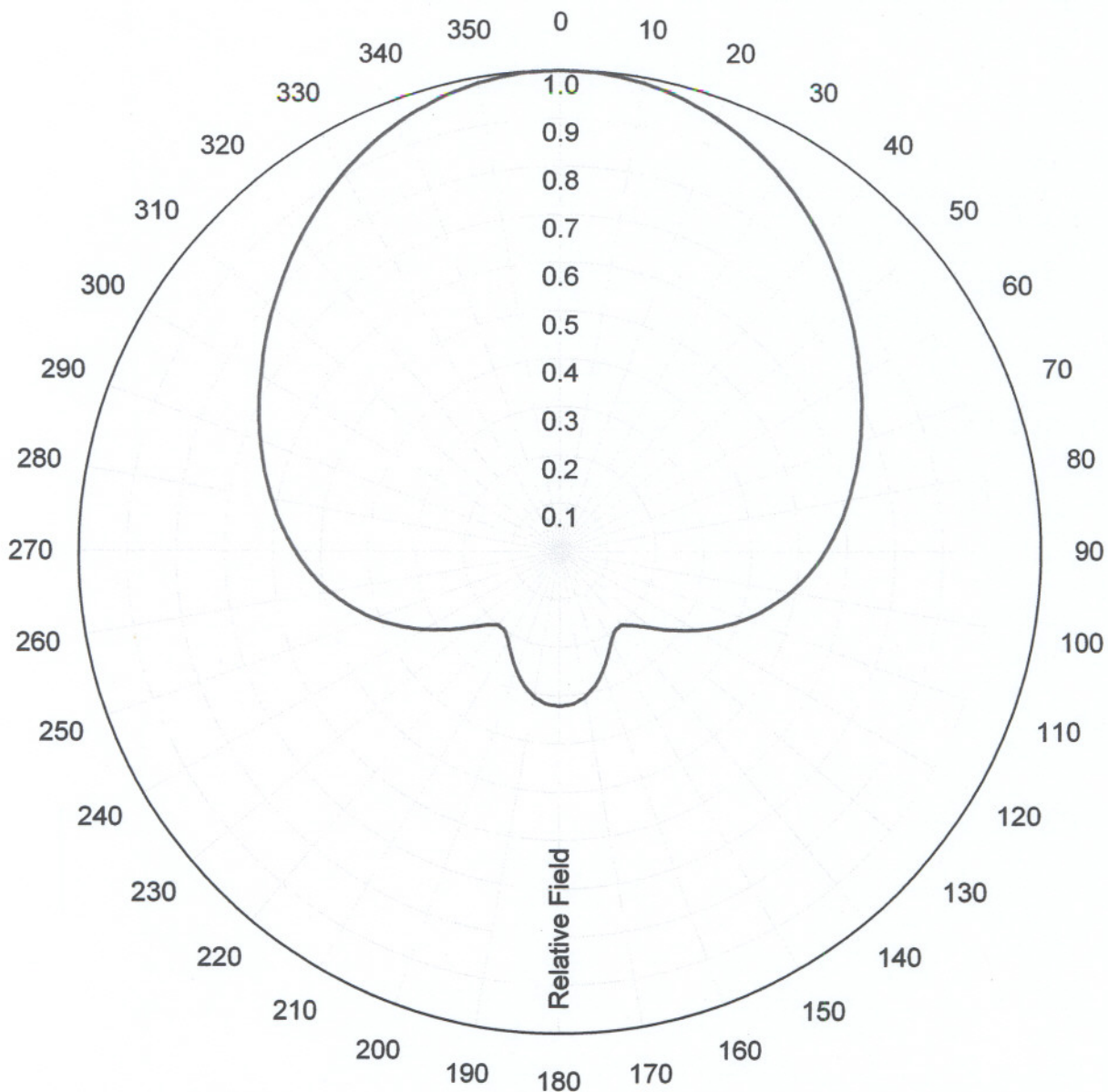
SMITH AND FISHER



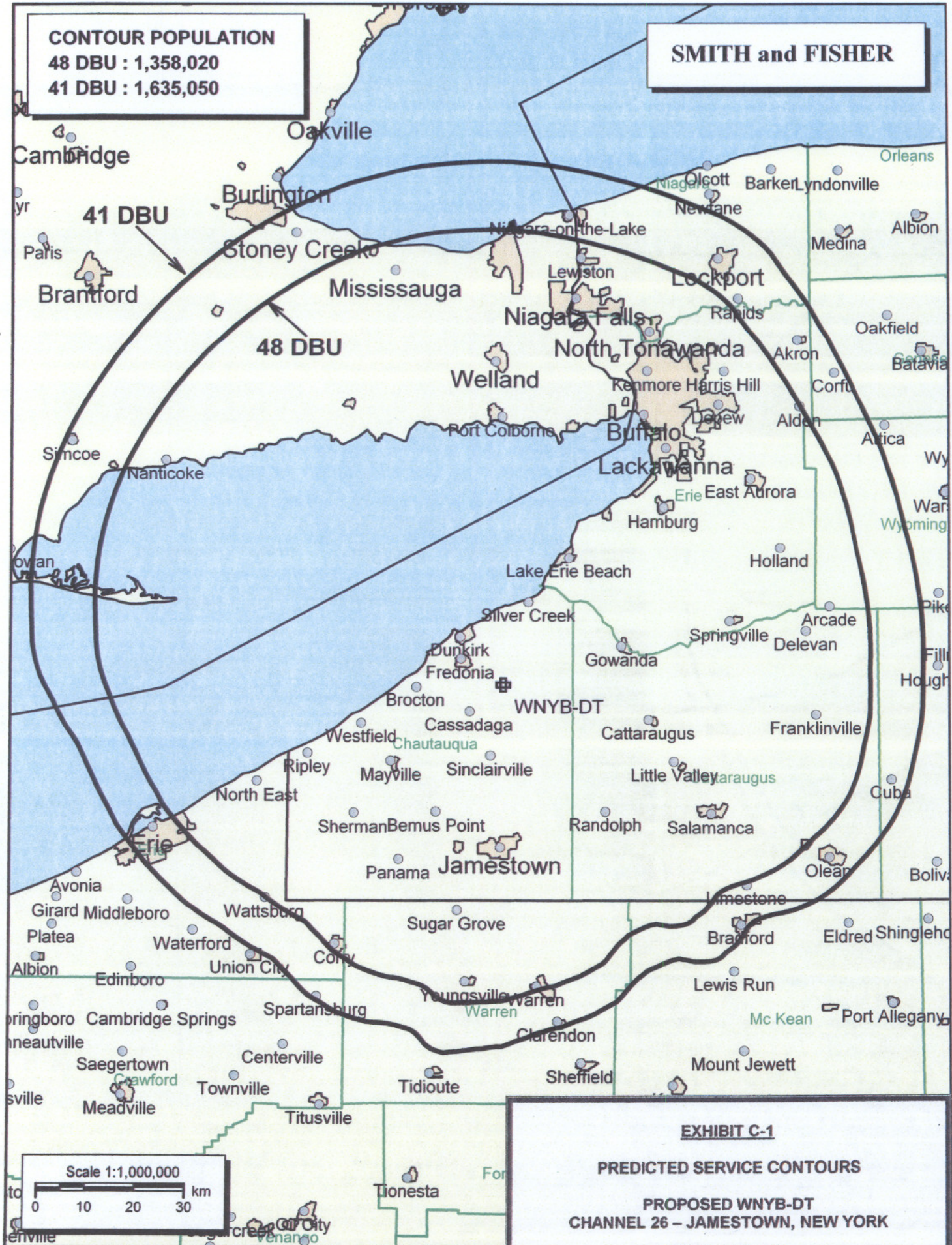
AZIMUTH PATTERN

Type: ATW-C4

| | Numeric | dBd |
|---------------|-------------------|-------------|
| Directivity: | <u>2.54</u> | <u>4.05</u> |
| Peak(s) at: | | |
| Polarization: | <u>Horizontal</u> | |
| Channel: | <u>26</u> | |
| Location: | | |
| Note: | | |



Electronics Research, Inc.
7777 Gardner Road
Chandler, Indiana U.S.A 47610



INTERFERENCE STUDY
PROPOSED WNYB-DT
CHANNEL 26 – JAMESTOWN, NEW YORK

The instant application specifies an ERP of 234 kw (directional) at 463 meters above average terrain, which we have determined to be allowable under the FCC's recently approved interference standards with respect to various 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 WNYB-DT to other pertinent stations are tabulated in Exhibit D-2.

As shown, the proposed WNYB-DT facility would not contribute more than 0.5% interference to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed WNYB-DT facility does not cause significant (0.5%) interference within the protected 74 dBu 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 D-2

INTERFERENCE STUDY SUMMARY

PROPOSED WNYB-DT
CHANNEL 26 – JAMESTOWN, NEW YORK

| <u>Call Sign</u> | <u>City, State</u> | <u>CH.</u> | <u>Coverage Population</u> | <u>Interference Population From WNYB-DT</u> | <u>%</u> |
|----------------------------|--------------------|------------|--------------------------------|---|----------|
| WWIZ-DT Post-Transition | Cleveland, OH | 26 | 3,477,706 | 2,711 | <0.1 |

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WNYB-DT
CHANNEL 26 – JAMESTOWN, 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 Jamestown facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 234 kw (H, V), an antenna radiation center 313 meters above ground, and the elevation pattern of the Andrew antenna, maximum power density two meters above ground of 0.00016 mw/cm^2 is calculated to occur 55 meters north of the base of the tower. Since this is less than 0.1 percent of the 0.36 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 26 (542-548 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.