

antenna installation proposed herein will not adversely affect safety in air navigation and that the instant application is exempt from notification to the FAA under 47 CFR 17.14(a).

Because there is no increase in tower height proposed, it is believed that the proposed installation would not constitute a major environmental action as defined by the Commission's Rules.

No change in the character of the site is proposed as a part of the construction. No change in grade or land surface is proposed. The site will experience little change in human presence as a result of the proposed construction.

STATEMENT OF INTERFERENCE

The proposed operation is not expected to cause any adverse effect on the existing business band radio operation co-located at the proposed antenna site. Applicant acknowledges its responsibility to correct any problems caused by interference resulting from its proposed operation of Channel 278-A and certifies that it will take full financial responsibility for resolving any interference related problems.

**Respectfully Submitted,
Broadcast Technical, Inc.**

By: _____



Kenneth Devine

May, 1992

**FIGURE 1
FM SPACING STUDY
NEW EDUCATIONAL FM STATION
CH 278 A 103.5 MHz. 0.270 kW 462 METERS
COMMUNITY EDUCATIONAL SERVICE COUNCIL, INC.
CROZET, VIRGINIA**

| | | |
|------------------|----------------|-----------------------|
| REFERENCE | CLASS A | DISPLAY DATES |
| 37 57 00 N | | SEARCH 4-30-92 |
| 78 43 38 W | | DATA 3-26-92 |

Current rule spacings

CHANNEL 278 - 103.5 MHz

| CALL TYPE | CH# LAT | CITY LNG | STATE PWR | BEAR' HT | D-KM D-Mi | R-KM R-Mi | MARGIN (KM) |
|--------------|------------|-------------|--------------|-------------|--------------|--------------|----------------|
|--------------|------------|-------------|--------------|-------------|--------------|--------------|----------------|

| | | | | | | | |
|---|----------|----------|---------|------|------|-------|----------|
| AP278 | 278A | Crozet | VA | 0.0 | 0.00 | 115.0 | -115.00* |
| AP CN | 37 57 00 | 78 43 38 | 0.27 kW | 462M | 0.0 | 71.5 | |
| <i>Board of Visitors of James Madison University BPED911101MA</i> | | | | | | | |
| <i>Commercial channel operating educational</i> | | | | | | | |

| | | | | | | | |
|---|----------|----------|--------|-------|------|-------|--|
| ALOPEN | 278A | Crozet | VA | 350.4 | 3.94 | 115.0 | |
| AL N | 37 59 06 | 78 44 05 | 0.0 kW | 0M | 2.5 | 71.5 | |
| 90-644 | | | | | | | |
| <i>Site Restricted-Effective 10-15-91-Rsvd commercial channel for educational use</i> | | | | | | | |

| | | | | | | | |
|---|----------|----------|---------|-------|--------|-------|---------|
| WMXB | 279B | Richmond | VA | 115.8 | 113.00 | 113.0 | -0.00 * |
| LI CY | 37 30 31 | 77 34 37 | 20.0 kW | 256M | 70.0 | 70.2 | |
| <i>Radio Ventures I, L.P. BLH831117BF</i> | | | | | | | |

* Distance to WMXB is rounded to nearest kilometer as per FCC Rules

| | | | | | | | |
|--|----------|------------|---------|------|--------|-------|------|
| WGMSFM | 278B | Washington | DC | 52.5 | 179.84 | 178.0 | 1.84 |
| LI DCN | 38 56 09 | 77 05 33 | 44.0 kW | 158M | 111.8 | 110.6 | |
| <i>Classical Acquisition Partner BLH910614KA</i> | | | | | | | |

| | | | | | | | |
|---|----------|------------|------------|-------|-------|------|------|
| AP277 | 277A | New Market | VA | 348.2 | 74.69 | 72.0 | 2.69 |
| APG CN | 38 36 31 | 78 54 07 | 2.100.0 kW | 166M | 46.4 | 44.8 | |
| <i>Commonwealth Audio Visual Ent BPH891026MT 900626</i> | | | | | | | |

| | | | | | | | |
|--------------------------|----------|------------|--------|-----|-------|------|------|
| ALOPEN | 277A | New Market | VA | 1.0 | 75.86 | 72.0 | 3.86 |
| AL N | 38 38 00 | 78 42 42 | 0.0 kW | 0M | 47.2 | 44.8 | |
| 88-520 WO= 890926 891026 | | | | | | | |

PREPARED BY:

**BROADCAST TECHNICAL, INC.
NEW ORLEANS, LOUISIANA**

May, 1992

FIGURE 1, Page 2
FM SPACING STUDY
NEW EDUCATIONAL FM STATION
CH 278 A 103.5 MHz. 0.270 kW 462 METERS
COMMUNITY EDUCATIONAL SERVICE COUNCIL, INC.
CROZET, VIRGINIA

| | | |
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| 37 57 00 N | | SEARCH 4-30-92 |
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Current rule spacings

CHANNEL 278 - 103.5 MHz

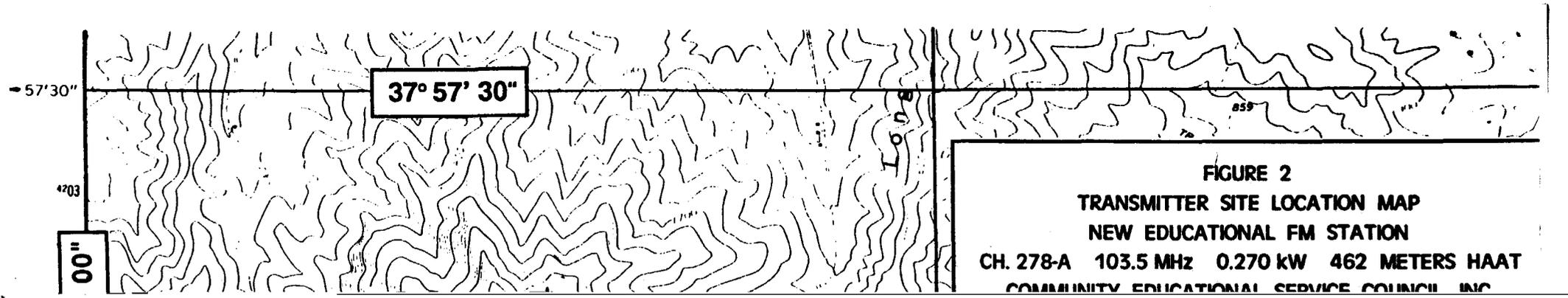
| CALL TYPE | CH# LAT | CITY LNG | STATE PWR | BEAR' HT | D-KM D-Mi | R-KM R-Mi | MARGIN (KM) |
|--|------------|-----------------|--------------|-------------|--------------|--------------|----------------|
| AP277 | 277A | New Market | VA | 354.0 | 79.11 | 72.0 | 7.11 |
| APD CN | 38 39 32 | 78 49 16 | 6.0 kW | 100M | 49.2 | 44.8 | |
| <i>John D. Bomberger BPH891026MC 900626</i> | | | | | | | |
| <i>Amended 900126-Initial Decision 920309</i> | | | | | | | |
| WUVA | 224A | Charlottesville | VA | 79.8 | 22.00 | 10.0 | 12.00 |
| LI CN | 37 59 06 | 78 28 51 | 0.22 kW | 274M | 13.7 | 6.2 | |
| <i>WUVA, Inc. BLH790608AC</i> | | | | | | | |
| WAKG | 277C1 | Danville | VA | 203.5 | 146.27 | 133.0 | 13.27 |
| LI CN | 36 44 28 | 79 23 05 | 100.0 kW | 199M | 90.9 | 82.7 | |
| <i>Piedmont Broadcasting Corpora BLH900904KB</i> | | | | | | | |

END CHANNEL 278A STUDY

PREPARED BY:

BROADCAST TECHNICAL, INC.
NEW ORLEANS, LOUISIANA

May, 1992



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF VIRGINIA
DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, STATE GEOLOGIST

COVESVILLE QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)



N. 37° 57' 00"
W. 78° 43' 38"

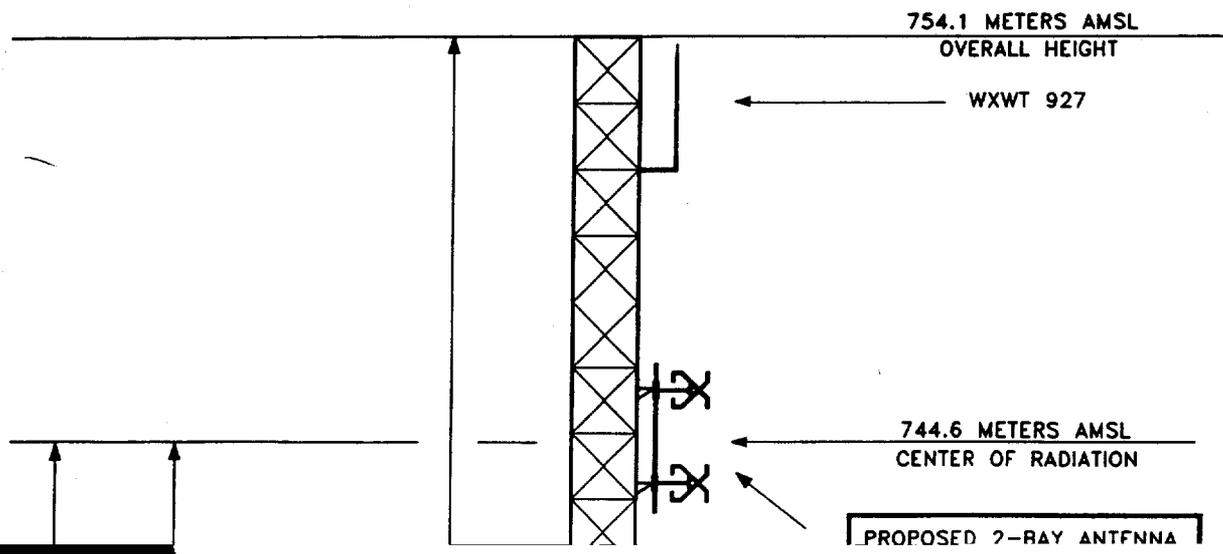


FIGURE 4
ELEVATION AND CONTOUR DATA
NEW EDUCATIONAL FM STATION
CH 278 A 103.5 MHz. 0.270 kW 462 METERS
COMMUNITY EDUCATIONAL SERVICE COUNCIL, INC.
CROZET, VIRGINIA

| Radial and Bearing (Degrees) | Average Elevation (3-16km) Meters | Effective Antenna Height Meters | Effective Radiated Power (dBk) | Predicted Contours | |
|---------------------------------------|--|--|--------------------------------------|-----------------------|--------------|
| | | | | 70 dBu km | 60 dBu km |
| 0.0 | 231.6 | 513 | -5.686 | 16.8 | 30.0 |
| 45.0 | 255.6 | 489 | -5.686 | 16.4 | 29.2 |
| 90.0 | 206.6 | 538 | -5.686 | 17.3 | 30.9 |
| 135.0 | 224.6 | 520 | -5.686 | 17.0 | 30.3 |
| 180.0 | 265.6 | 479 | -5.686 | 16.2 | 28.8 |
| 225.0 | 342.6 | 402 | -5.686 | 14.9 | 26.4 |
| 270.0 | 413.6 | 331 | -5.686 | 13.6 | 24.1 |
| 315.0 | 316.6 | 428 | -5.686 | 15.3 | 27.2 |

Height of radiation center above mean sea level 744.6 meters
Height of average terrain above mean sea level 282.6 meters
Height of radiation center above average terrain 462.0 meters

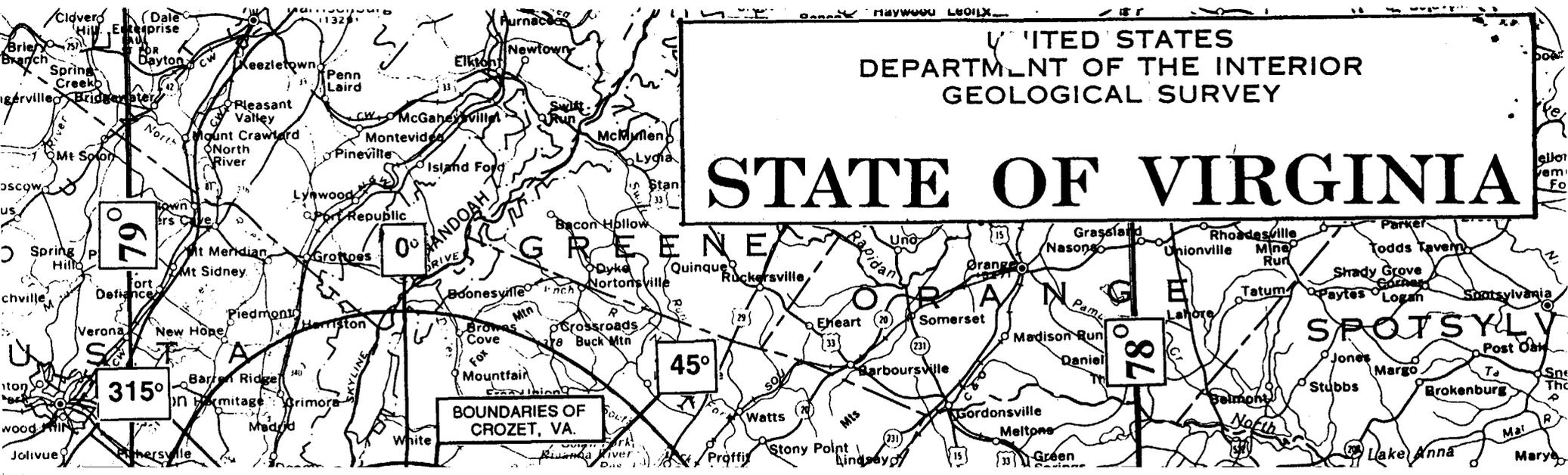
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BROADCAST TECHNICAL, INC.
NEW ORLEANS, LOUISIANA

May, 1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF VIRGINIA



BOUNDARIES OF
CROZET, VA.