

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, permittee of WMPV-DT, Channel 20 in Mobile, Alabama, in support of its application for modification of Construction Permit BPCDT-19991101AHY to specify a new site, an increase in effective antenna height, and a reduction in effective radiated power. No change in antenna pattern or orientation is proposed herein.

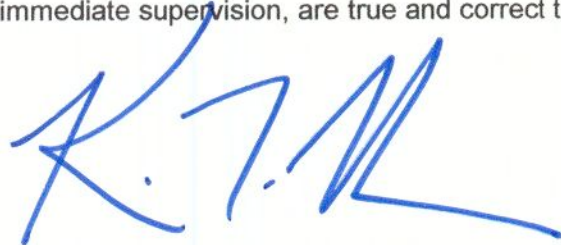
It is proposed to mount a standard directional ERI antenna at the 538-meter level of an existing 593-meter communications tower. Elevation and azimuth pattern data for the antenna are provided in Exhibit B. Operating parameters for the proposed facility are tabulated in Exhibit C. Exhibit D is a map upon which the predicted service contours are plotted. As shown, the city of license (Mobile) is completely contained within the proposed 48 dBu service contour. It is important to note that since the proposed 41 dBu service contour lies completely within that authorized to WMPV-DT, this application meets the terms of acceptability with respect to the Commission's current freeze on DTV modification proposals. In addition, and for the same reasons, no interference study is provided herein. 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 new WMPV-DT site. However, if such should occur, the owner of the station recognizes its obligation to take whatever corrective actions are necessary.

EXHIBIT A

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 1064671 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.

A handwritten signature in blue ink, appearing to read 'K. T. Fisher', with a stylized, sweeping flourish at the end.

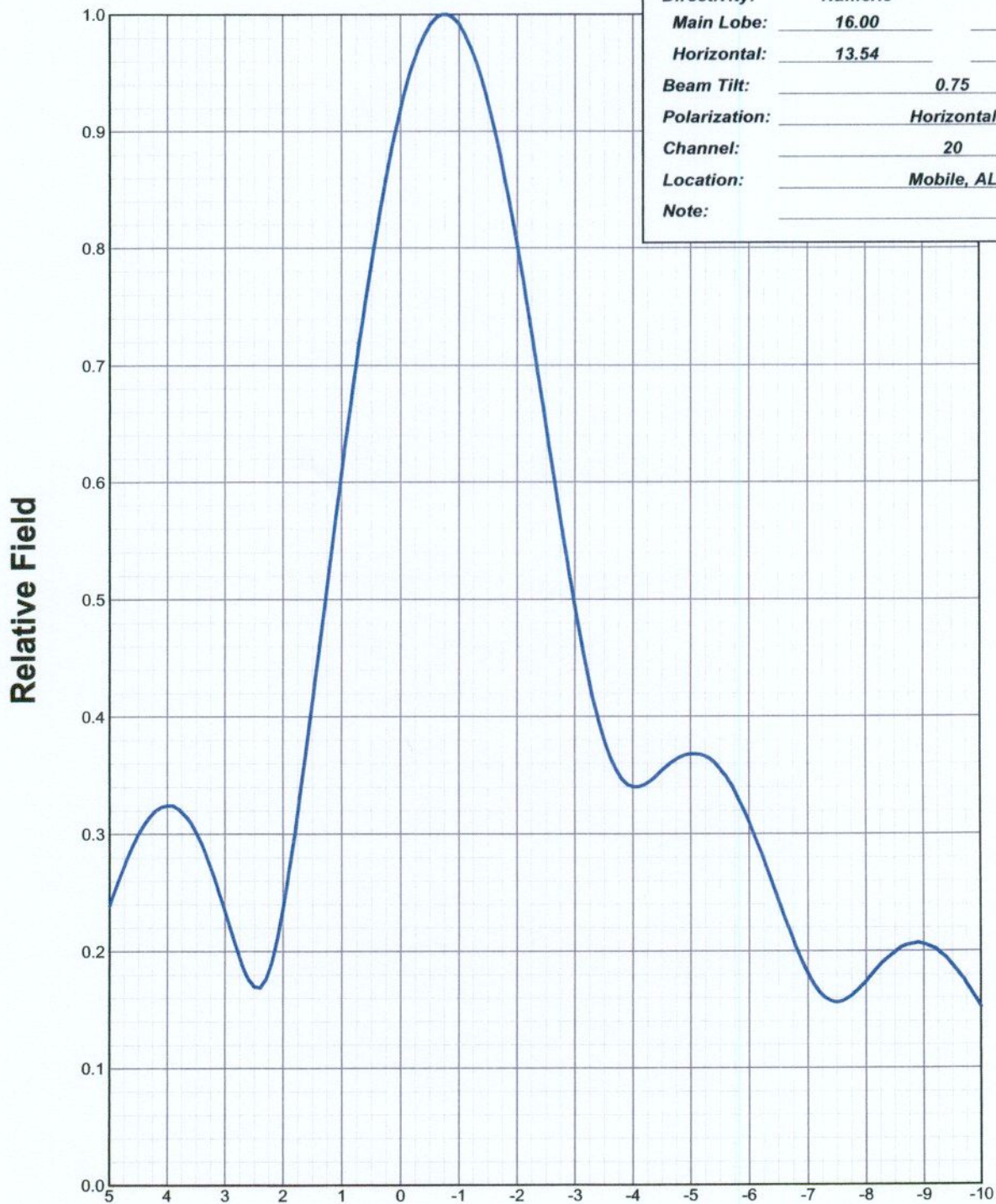
KEVIN T. FISHER

October 5, 2005



ELEVATION PATTERN

| | | |
|---------------|------------|-------|
| Type: | ATW16H3H | |
| Directivity: | Numeric | dBd |
| Main Lobe: | 16.00 | 12.04 |
| Horizontal: | 13.54 | 11.32 |
| Beam Tilt: | 0.75 | |
| Polarization: | Horizontal | |
| Channel: | 20 | |
| Location: | Mobile, AL | |
| Note: | | |



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

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED WMPV-DT
CHANNEL 20 - MOBILE, ALABAMA
[MODIFICATION OF BPCDT-19991101AHY]

SMITH AND FISHER

EXHIBIT B-2**ANTENNA AZIMUTH PATTERN**

**PROPOSED WMPV-DT
CHANNEL 20 - MOBILE, ALABAMA
[MODIFICATION OF BPCDT-19991101AHY]**

SMITH AND FISHER

**AZIMUTH PATTERN
FCC FILING FORMAT**

Type: ATW-P5

Polarization: Horizontal

| <i>Angle</i> | <i>Field</i> | <i>ERP (kW)</i> | <i>ERP (dBk)</i> |
|--------------|--------------|-----------------|------------------|
| 0 | 0.309 | 10.025 | 10.011 |
| 10 | 0.333 | 11.643 | 10.661 |
| 20 | 0.309 | 10.025 | 10.011 |
| 30 | 0.251 | 6.615 | 8.205 |
| 40 | 0.213 | 4.764 | 6.779 |
| 50 | 0.294 | 9.075 | 9.579 |
| 60 | 0.467 | 22.898 | 13.598 |
| 70 | 0.663 | 46.152 | 16.642 |
| 80 | 0.838 | 73.732 | 18.677 |
| 90 | 0.957 | 96.159 | 19.830 |
| 100 | 1.000 | 104.995 | 20.212 |
| 110 | 0.957 | 96.159 | 19.830 |
| 120 | 0.838 | 73.732 | 18.677 |
| 130 | 0.663 | 46.152 | 16.642 |
| 140 | 0.467 | 22.898 | 13.598 |
| 150 | 0.294 | 9.075 | 9.579 |
| 160 | 0.213 | 4.764 | 6.779 |
| 170 | 0.251 | 6.615 | 8.205 |
| 180 | 0.309 | 10.025 | 10.011 |
| 190 | 0.333 | 11.643 | 10.661 |
| 200 | 0.309 | 10.025 | 10.011 |
| 210 | 0.251 | 6.615 | 8.205 |
| 220 | 0.213 | 4.764 | 6.779 |
| 230 | 0.294 | 9.075 | 9.579 |
| 240 | 0.467 | 22.898 | 13.598 |
| 250 | 0.663 | 46.152 | 16.642 |
| 260 | 0.838 | 73.732 | 18.677 |
| 270 | 0.957 | 96.159 | 19.830 |
| 280 | 1.000 | 104.995 | 20.212 |
| 290 | 0.957 | 96.159 | 19.830 |
| 300 | 0.838 | 73.732 | 18.677 |
| 310 | 0.663 | 46.152 | 16.642 |
| 320 | 0.467 | 22.898 | 13.598 |
| 330 | 0.294 | 9.075 | 9.579 |
| 340 | 0.213 | 4.764 | 6.779 |
| 350 | 0.251 | 6.615 | 8.205 |



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EXHIBIT B-3

ANTENNA RELATIVE FIELD VALUES

PROPOSED WMPV-DT
CHANNEL 20 - MOBILE, ALABAMA
[MODIFICATION OF BPCDT-19991101AHY]

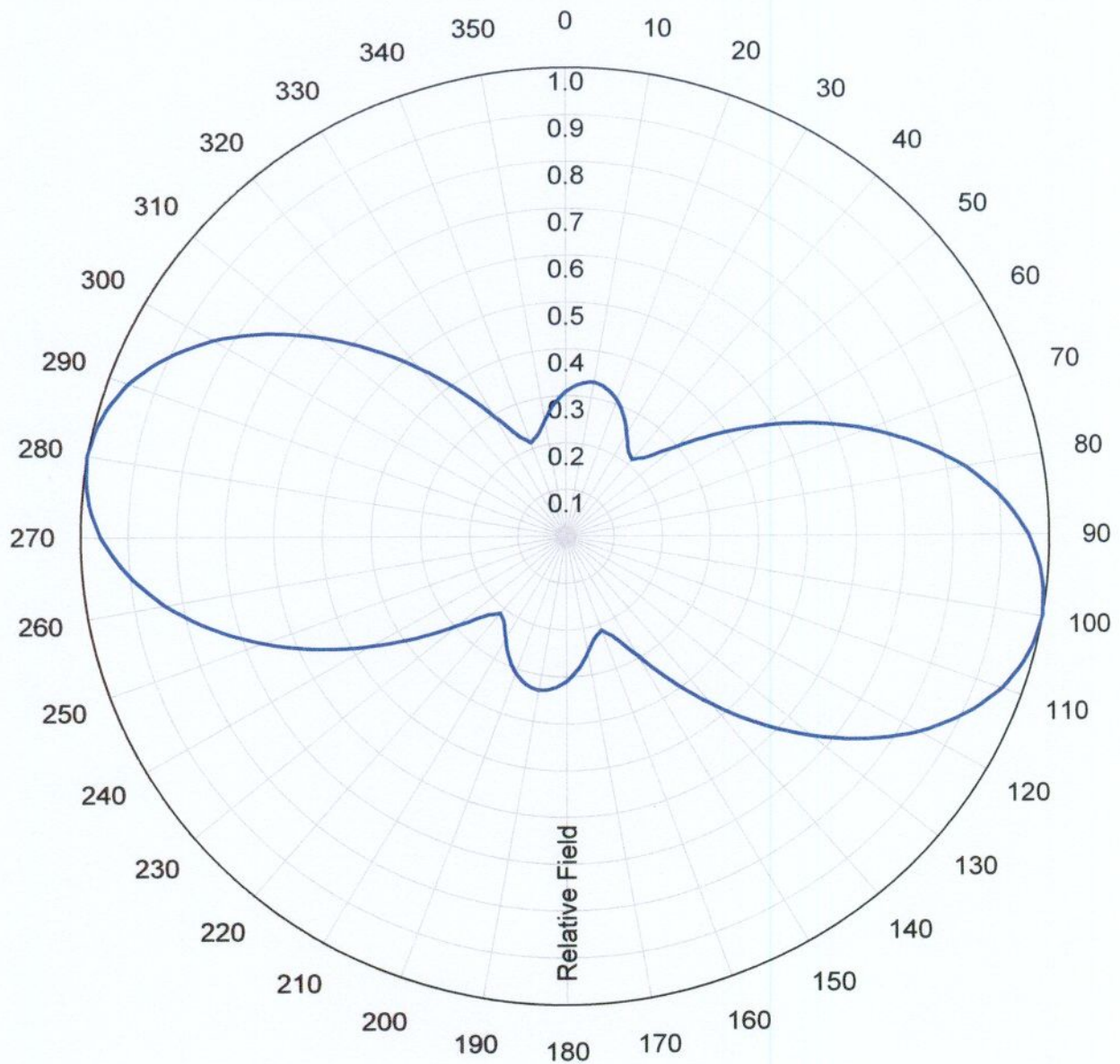
SMITH AND FISHER



AZIMUTH PATTERN

Type: ATW-P5

| | Numeric | dBd |
|---------------|-------------------|-------------|
| Directivity: | <u>2.90</u> | <u>4.62</u> |
| Peak(s) at: | | |
| Polarization: | <u>Horizontal</u> | |
| Channel: | <u>20</u> | |
| Location: | | |
| Note: | | |



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PROPOSED OPERATING PARAMETERS

PROPOSED WMPV-DT
CHANNEL 20 - MOBILE, ALABAMA
[MODIFICATION OF BPCDT-19991101AHY]

| | |
|------------------------------------|---------|
| Transmitter power output | 4.93 kw |
| Transmission line loss | 2.66 kw |
| Input to antenna | 2.26 kw |
| Antenna gain (maximum) | 46.4 |
| Effective radiated power (maximum) | 105 kw |

| | |
|-----------------------------|---------------|
| Transmitter make and model: | Type-accepted |
|-----------------------------|---------------|

Transmission line

| | |
|-----------------|----------------|
| Make and model: | Andrew MACX450 |
| Size: | 4-1/16" |
| Type: | Rigid |
| Length: | 1994 feet |
| Efficiency: | 45.9% |

Antenna

| | |
|-----------------------|----------------------|
| Make and model: | ERI ATW16H3-HTP5-20H |
| Type: | Directional |
| Electrical Beam Tilt: | 0.75° |



EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WMPV-DT
CHANNEL 20 – MOBILE, ALABAMA
[MODIFICATION OF BPCDT-19991101AHY]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Mobile facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 105 kw, an effective antenna height of 538 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.000080 mw/cm^2 is calculated to occur 195 meters east and west of the base of the tower. Since this is significantly less than 0.1 percent of the 0.34 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 20 (506-512 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.