

**Engineering Statement
In Support of An
Application for a Construction Permit
W238BS, Channel 238D, Clanton, Alabama**

General

This application is being filed to request a construction permit to change the primary station for the translator W238BS, Clanton, Alabama, from WLBF to WHPH. Also in the application is a request to increase the ERP and antenna height. No other technical changes to the site/facility are proposed. The included exhibits demonstrate that this proposed facility complies with all FCC rules regarding spacing, coverage, and human exposure.

The Proposed Site

Exhibit E, Figure 1 is a coverage map showing that the F(50,50) 60 dBu contour of the translator completely lies within the primary service contour of the new proposed main station, WHPH. A supporting terrain contour study is included in Figure 2, and a vertical sketch of the tower is provided in Figure 3.

Protected and Interfering Contours

The map in Exhibit E, Figure 4 shows that there is no overlap between the proposed translator and the closest adjacent station, WBHJ.

Human Exposure

(No Exhibits)

The proposed translator facility was evaluated in terms of potential radiofrequency radiation exposure at ground level. Using RF Worksheet 1A, the proposed facility was calculated to be 0.37% of the maximum allowable limit in uncontrolled environments. A policy will be placed in effect stating that if anyone is required to climb the tower, the facility on the tower will reduce power or cease operation to prevent hazardous exposure to radiofrequency radiation.

Environmental Impact

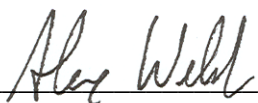
(No Exhibits)

The facility is proposing to remain on its current tower (see Exhibit E, Figure 5); no additional environmental impact is expected. During operation, the facility will produce no chemical or significant thermal pollution, and no ionizing radiation will be generated. Areas of high intensity radiofrequency fields will be confined to the immediate area of the transmitting antenna, far above the ground and away from any human and wildlife population.

Conclusion

This statement/application has been prepared for Christopher W. Johnson by utilizing the latest available information, cross-checked with the Federal Communications Commission and other sources. Therefore, it is submitted that the engineering data compiled and demonstrated herein for the proposed is in compliance with Commission's Rules and Regulations at the time of this application's filing date. We welcome the opportunity to discuss with the staff of the Federal Communications Commission the engineering data contained in this application. Should any questions arise concerning the information, please contact us.

For Christopher W. Johnson:



Alex Welsh

January 27th, 2010

P.O. Box 381163
Birmingham, Alabama 35238
(205) 618-2020

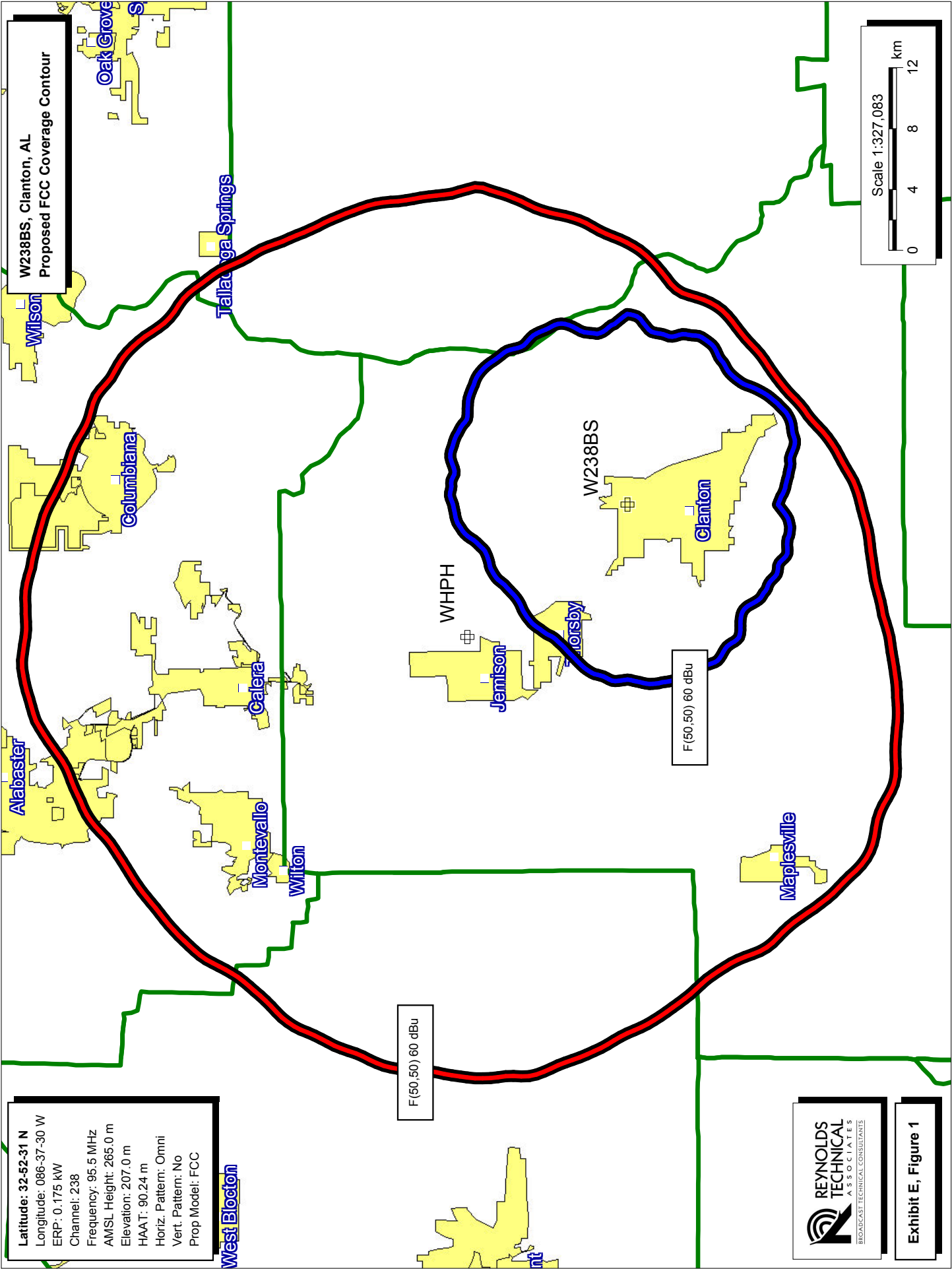


Exhibit E, Figure 1

**Engineering Statement
In Support of
An Application for a Construction Permit
W238BS, Channel 238, Clanton, AL**

Terrain/Contour Study

Reference Coordinates:

ERP: 0.175 kW

North Latitude: 32-52-31

West Longitude: 86-37-30

| Azimuth °T. | Ave. Elev. 3 to 16 km (Meters AMSL) | FM - 2-6 Tables Effective Antenna Height (Meters AAT) | ERP (dBk) | WHPH | W233BS |
|----------------|--|--|--------------|---|---|
| | | | | F(50-50) Distance to 60 dBu Contour (km) | F(50-50) Distance to 60 dBu Contour (km) |
| 0 | 171.3 | 93.4 | -7.570 | 29.0 | 11.4 |
| 5 | 168.1 | 96.6 | -7.570 | 29.1 | 11.6 |
| 10 | 169.6 | 95.1 | -7.570 | 29.0 | 11.5 |
| 15 | 160.9 | 103.8 | -7.570 | 28.9 | 12.0 |
| 20 | 159.3 | 105.4 | -7.570 | 28.6 | 12.1 |
| 25 | 160.5 | 104.2 | -7.570 | 28.6 | 12.0 |
| 30 | 159.5 | 105.2 | -7.570 | 28.6 | 12.1 |
| 35 | 149.6 | 115.1 | -7.570 | 28.9 | 12.6 |
| 40 | 143.5 | 121.2 | -7.570 | 29.1 | 12.9 |
| 45 | 142.7 | 122.0 | -7.570 | 28.7 | 13.0 |
| 50 | 145.2 | 119.5 | -7.570 | 29.0 | 12.8 |
| 55 | 151.1 | 113.6 | -7.570 | 29.0 | 12.5 |
| 60 | 149.0 | 115.7 | -7.570 | 28.8 | 12.7 |
| 65 | 148.7 | 116.0 | -7.570 | 28.6 | 12.7 |
| 70 | 149.2 | 115.5 | -7.570 | 28.7 | 12.6 |
| 75 | 165.0 | 99.7 | -7.570 | 28.9 | 11.8 |
| 80 | 172.2 | 92.5 | -7.570 | 29.0 | 11.4 |
| 85 | 164.6 | 100.1 | -7.570 | 29.0 | 11.8 |
| 90 | 151.9 | 112.8 | -7.570 | 29.4 | 12.5 |
| 95 | 161.6 | 103.1 | -7.570 | 29.1 | 12.0 |
| 100 | 171.7 | 93.0 | -7.570 | 28.4 | 11.4 |
| 105 | 171.8 | 92.9 | -7.570 | 28.3 | 11.4 |
| 110 | 164.0 | 100.7 | -7.570 | 27.9 | 11.8 |
| 115 | 161.6 | 103.1 | -7.570 | 27.7 | 12.0 |
| 120 | 167.4 | 97.3 | -7.570 | 26.7 | 11.6 |
| 125 | 176.0 | 88.7 | -7.570 | 27.0 | 11.2 |
| 130 | 180.2 | 84.5 | -7.570 | 27.0 | 10.9 |
| 135 | 177.5 | 87.2 | -7.570 | 26.7 | 11.1 |
| 140 | 170.0 | 94.7 | -7.570 | 26.5 | 11.5 |
| 145 | 164.5 | 100.2 | -7.570 | 26.6 | 11.8 |
| 150 | 160.6 | 104.1 | -7.570 | 26.9 | 12.0 |
| 155 | 162.7 | 102.0 | -7.570 | 27.2 | 11.9 |

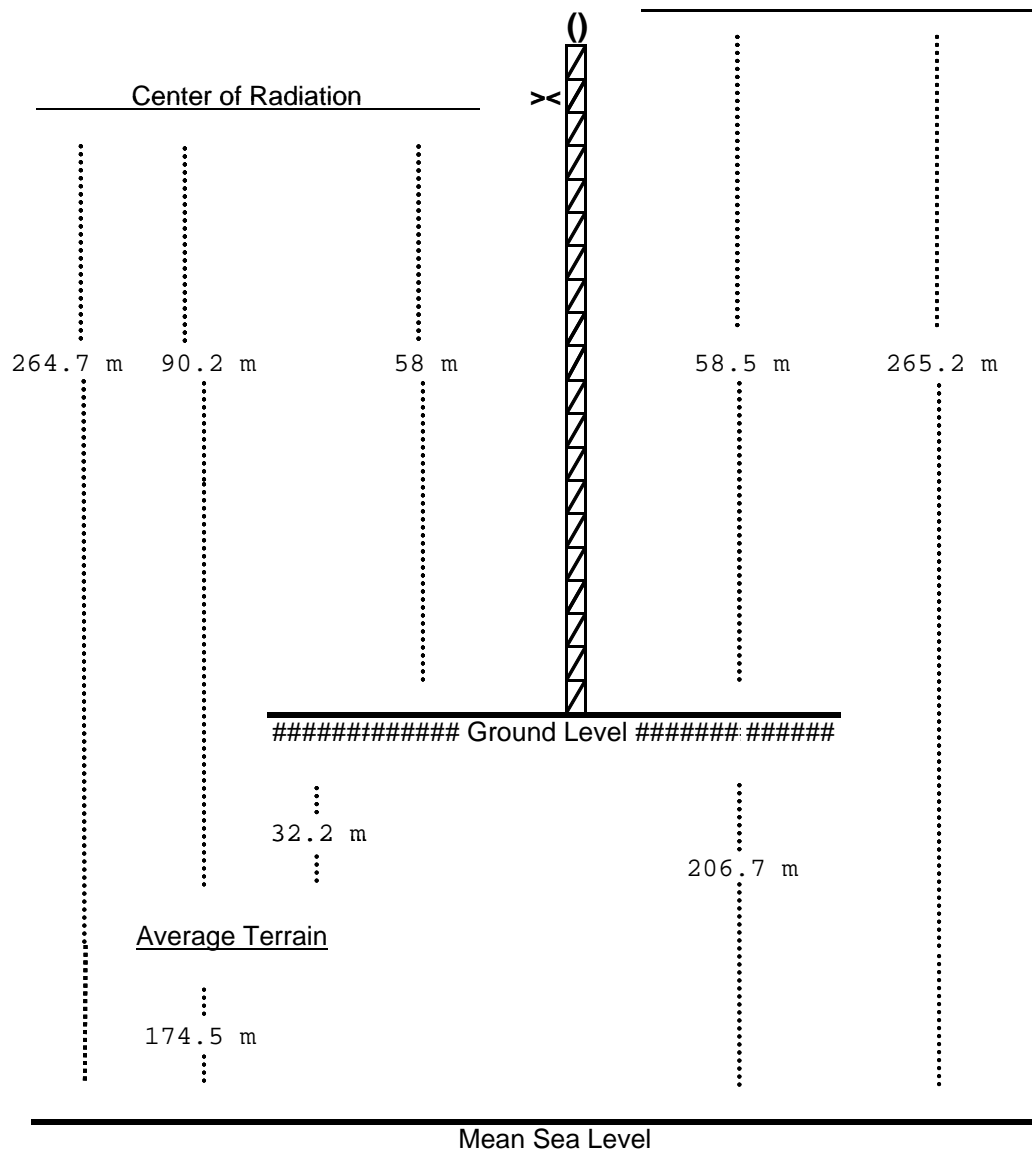
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ERP: 0.175 kW

| Azimuth °T. | Ave. Elev. 3 to 16 km (Meters AMSL) | FM - 2-6 Tables Effective Antenna Height (Meters AAT) | ERP (dBk) | F(50-50) Distance to 60 dBu Contour (km) | F(50-50) Distance to 60 dBu Contour (km) |
|----------------|--|--|--------------|---|---|
| 160 | 166.6 | 98.1 | -7.570 | 27.3 | 11.7 |
| 165 | 177.7 | 87.0 | -7.570 | 27.2 | 11.1 |
| 170 | 183.4 | 81.3 | -7.570 | 27.0 | 10.7 |
| 175 | 189.6 | 75.1 | -7.570 | 27.2 | 10.3 |
| 180 | 196.4 | 68.3 | -7.570 | 27.7 | 9.9 |
| 185 | 185.4 | 79.3 | -7.570 | 28.2 | 10.6 |
| 190 | 181.9 | 82.8 | -7.570 | 28.7 | 10.8 |
| 195 | 181.0 | 83.7 | -7.570 | 29.1 | 10.9 |
| 200 | 182.7 | 82.0 | -7.570 | 29.6 | 10.8 |
| 205 | 181.8 | 82.9 | -7.570 | 29.6 | 10.8 |
| 210 | 184.5 | 80.2 | -7.570 | 29.9 | 10.6 |
| 215 | 184.1 | 80.6 | -7.570 | 29.3 | 10.7 |
| 220 | 189.4 | 75.3 | -7.570 | 28.6 | 10.3 |
| 225 | 186.6 | 78.1 | -7.570 | 28.3 | 10.5 |
| 230 | 172.4 | 92.3 | -7.570 | 27.6 | 11.4 |
| 235 | 172.2 | 92.5 | -7.570 | 27.4 | 11.4 |
| 240 | 164.6 | 100.1 | -7.570 | 27.7 | 11.8 |
| 245 | 166.4 | 98.3 | -7.570 | 28.0 | 11.7 |
| 250 | 166.1 | 98.6 | -7.570 | 28.1 | 11.7 |
| 255 | 162.6 | 102.1 | -7.570 | 28.5 | 11.9 |
| 260 | 163.2 | 101.5 | -7.570 | 28.9 | 11.9 |
| 265 | 165.8 | 98.9 | -7.570 | 28.9 | 11.7 |
| 270 | 170.7 | 94.0 | -7.570 | 28.9 | 11.5 |
| 275 | 168.7 | 96.0 | -7.570 | 28.6 | 11.6 |
| 280 | 173.0 | 91.7 | -7.570 | 28.7 | 11.3 |
| 285 | 177.8 | 86.9 | -7.570 | 28.3 | 11.0 |
| 290 | 185.8 | 78.9 | -7.570 | 28.0 | 10.6 |
| 295 | 191.9 | 72.8 | -7.570 | 27.9 | 10.2 |
| 300 | 195.0 | 69.7 | -7.570 | 27.2 | 10.0 |
| 305 | 194.9 | 69.8 | -7.570 | 26.9 | 10.0 |
| 310 | 195.4 | 69.3 | -7.570 | 27.3 | 9.9 |
| 315 | 198.6 | 66.1 | -7.570 | 27.2 | 9.7 |
| 320 | 201.7 | 63.0 | -7.570 | 27.1 | 9.5 |
| 325 | 200.8 | 63.9 | -7.570 | 27.0 | 9.6 |
| 330 | 197.4 | 67.3 | -7.570 | 27.0 | 9.8 |
| 335 | 196.0 | 68.7 | -7.570 | 27.5 | 9.9 |
| 340 | 197.5 | 67.2 | -7.570 | 27.6 | 9.8 |
| 345 | 192.9 | 71.8 | -7.570 | 28.1 | 10.1 |
| 350 | 181.3 | 83.4 | -7.570 | 28.9 | 10.8 |
| 355 | 174.0 | 90.7 | -7.570 | 29.2 | 11.3 |

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Vertical Sketch



Proposed Location: 32° 52' 31" N. Lat.

86° 37' 30" W. Long. [NAD27]

NOT DRAWN TO SCALE

Proposed Antenna: 1 bay

ASRN: 1226626

W238BS

Latitude: 32-52-31 N
Longitude: 086-37-30 W
ERP: 0.175 kW
Channel: 238
Frequency: 95.5 MHz
AMSL Height: 265.0 m
Elevation: 207.0 m
H/AAT: 90.24 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC

**W238BS, Clanton, AL
Protected and Interfering Contour Map**

WBHJ F(50,50) 60 dBu

W238BS F(50,10) 54 dBu



Exhibit E, Figure 4

Scale 1:81,770

