

**APPLICATION FOR A  
MINOR CHANGE  
CONSTRUCTION PERMIT  
TO A LICENSED FACILITY**

**FCC FORM 301**

**(REQUESTING CONSIDERATION UNDER §73.215)**

**Facility Identification Number 2540**

**WBLX-FM**

**Mobile, Alabama**

**CHANNEL 225C – 92.9 MHz**

**ERP: 100.0 kW (H&V)**

**HAAT: 549.9 m (H&V)**

**Cumulus Licensing LLC**

**November, 2004**

**Prepared by:**



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**Engineering Statement**  
**In Support of a Application**  
**For a Construction Permit**  
**WBLX-FM, Mobile Alabama, Channel 225C**

**CONTENTS**  
**FOR ENGINEERING EXHIBITS F.C.C. FORM 301**

1. Statement of Engineers	E3-E6
2. Exhibit E, Figure 1	Channel Spacing Study
3. Exhibit E, Figure 2	Terrain Averaging and Contour Study
4. Exhibit E, Figure 3	Proposed Service Contour Map
5. Exhibit E, Figure 4	Supporting Structure
6. Exhibit E, Figure 5	Protected and Interfering Contours Map
7. Exhibit E, Figure 6	Radiofrequency Radiation Study

# **ENGINEERING STATEMENT**

**Of**

**Lee S. Reynolds**

**And**

**Virgle Leon Strickland**

**In Support of an**

**Application for a**

**Construction Permit**

**WBLX-FM**

**Mobile, Alabama**

**Channel 225C – 92.9 MHz**

**ERP: 100.0 kW(H&V)**

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## **General**

As broadcast technical consultants doing business as Reynolds Technical Associates (“RTA”), we have been authorized by Cumulus Licensing LLC (herein referred to as “Cumulus” as well as “The Applicant”), licensee of WBLX-FM, Mobile, Alabama, to conduct engineering studies and prepare the engineering portion of an application for a construction permit. This application proposes to change the transmitter site of this Station as a result of the destruction of the formerly authorized facilities during Hurricane Ivan. This Station also has a pending request for special temporary authority to enable it to operate with lesser facilities until this application is granted and the proposed facilities constructed.

**The Proposed Site**  
**(Exhibits E, Figure 1 through 4)**

Exhibit E, Figure 1 is a channel spacing study for the proposed construction, showing the facilities considered.

The terrain averaging and contour study for the proposed facilities is being included as Exhibit E, Figure 2.

Exhibit E, Figure 3 is the service contour map displaying the FCC F(50,50) 70 and 60 dBu contours of the proposed facilities.

Exhibit E, Figure 4 is a vertical sketch of the proposed antenna supporting structure, which is an existing tower with an antenna registration number of 1212516.

The distance to the blanketing contour is 3.94 kilometer (2.45 mile).

**Protected and Interfering Contours**  
**(Exhibit E, Figure 5)**

FM overlap studies were performed for the proposed facilities. Exhibit E, Figure 5 is a protected and interfering contours map.

**Human Exposure**  
**(Exhibit E, Figure 6)**

The proposed FM facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with the FCC guidelines.

Exhibit E, Figure 6 provides the results of the evaluation.

**Environmental Impact**  
**(No Exhibits)**

A grant of the proposed construction would not constitute a major action as defined in the Commission's Rules and Regulations.

During operation, the facilities 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.

The area is not officially designated as a wilderness area or wildlife preserve and is not pending consideration. The area has no significant value in American history, architecture, archaeology, or culture, which is listed in the Register of Historic Places, and it is not eligible for listing. It is not recognized either nationally or locally for special scenic or recreational value.

### **Conclusion**

This statement/application has been prepared for The Applicant by utilizing the latest available information, and then cross-checking it with the Federal Communications Commission and other sources. It is submitted, therefore, that the engineering data compiled and demonstrated herein for the proposed facilities are in compliance with Commission's Rules and Regulations as of the filing date of this application. We welcome the opportunity to discuss the engineering data contained in this application with the staff of the Federal Communications Commission. Should any questions arise concerning the information, please contact us.

The following pages are exhibits prepared and assembled in support of the proposed facilities.

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### **Statement of the Consultants**

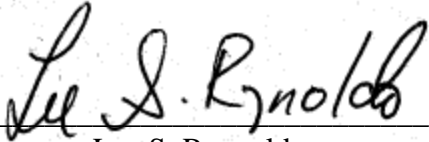
The instant engineering statement was prepared for “The Applicant” and supports an application for a construction permit for WBLX-FM, Mobile, Alabama. It was developed by RTA and may not be used for purposes other than submission to the Commission by The Applicant.

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It is prepared for The Applicant under contractual agreement, and its certification by RTA is used accordingly. If The Applicant fails in its contractual obligation, RTA reserves the right to withdraw its certification.

The information in this application is compiled from the most recent Commission and outside data. RTA is not responsible for errors resulting from incorrect data or unpublished rule and procedure changes.

For RTA:

  
\_\_\_\_\_  
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November 9<sup>th</sup>, 2004

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