# APPLICATION FOR A TRANSLATOR CONSTRUCTION PERMIT

## FCC FORM 349

**(PRIMARY STATION - WGIB, Facility Number - 24256)**

**New FM Translator Station (Facility ID 141676)**

**Odenville, Alabama**

**CHANNEL 237 – 95.3 MHz**

**ERP: 0.01kW (H&V)**

**APPLICANT: Glen Iris Baptist School**

**August, 2003**

**Prepared by:**

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**Engineering Statement**

**In Support of a Application for a**
**FM Translator Construction Permit**

**New FM Translator Station(Facility ID 141676), Odenville, Alabama**

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**ENGINEERING STATEMENT**

**Of**

**Lee S. Reynolds**

**And**

**Virgle Leon Strickland**

**In Support of an**

**Application for a**

**FM Translator**

**Construction Permit**

**New FM Translator Station (Facility ID 141676)**

**Odenville, Alabama**

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**August, 2003**

## General

As broadcast technical consultants doing business as Reynolds Technical Associates (RTA), we have been authorized by Glen Iris Baptist School (herein referred to as "GIBS" as well as "The Applicant"), to conduct engineering studies and prepare the engineering portion of an application for a construction permit for a new FM translator station (Facility ID 141676).

The new FM translator facility is to broadcast the programming of WGIB of Birmingham, Alabama, by receiving the programming from the main studio of WGIB by off-air method.

The following engineering studies and exhibits support the instant application study results.

**The Proposed Site**
**(Exhibit E, Figure 1)**

A study was performed for the proposed site to determine the maximum effective radiated power (MERP) of 0.01 kilowatts.

Exhibit E, Figure 1 is a vertical sketch of the existing antenna supporting structure with proposed elevations and the antenna structure registration number.

There are no proposed or authorized FM or TV transmitters that my produce receiver-induced interference within ten (10) kilometers of the proposed.

The distance to the blanketing contour is calculated to be 0.039 kilometer (0.025 mile).

**Surrounding Terrain and Predicted Contours**
**(Exhibit E, Figures 2 and 3)**

Exhibit E, Figure 2 is a terrain averaging and service contour study showing the FCC F(50/50) 60 dBu contour of the proposed FM translator. The resulting contours for the proposed are shown in map form as Exhibit E, Figure 3.

**Protected and Interfering Contours**
**(Exhibits E, Figure 4)**

FM overlap studies where performed for the proposed facility and Exhibit E, Figure 8 is a map displaying the protected and interfering contours.

**Human Exposure**
**(Exhibit E, Figure 5)**

The proposed FM facility was evaluated in terms of potential radiofrequency radiation exposure at ground level. Exhibit E, Figure 5 is the results of that study.

Should anyone be required to climb the tower, the facilities located on the tower have an agreement to either reduce power or cease operation, whichever is necessary, to prevent hazardous exposure to radiofrequency radiation.

**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 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.

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, cross-checked with the Federal Communications Commission and other sources. Therefore, it is submitted that the proposed is in compliance with the Commission's Rules and Regulations 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.

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

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**Statement of the Consultants**

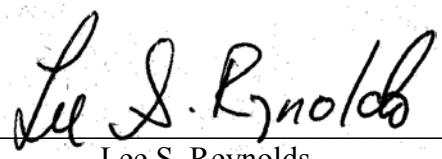
The instant engineering statement was prepared for The Applicant and supports an application for a construction permit for a new FM translator station in Odenville, Alabama. It was developed by RTA and may not be used for purposes other than submission to the Commission by the applicant.

It may not be reproduced in its entirety, or in part, by anyone (other than from the Commission) without the written consent of RTA.

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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August 28th, 2003

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