

**APPLICATION FOR A  
MINOR CHANGE  
CONSTRUCTION PERMIT  
TO A LICENSED FACILITY  
FCC FORM 301**

**Facility Identification Number 54799**

**WIXV**

**Savannah, Georgia**

**CHANNEL 238C1 – 102.1 MHz**

**ERP: 98.0 kW (H&V)**

**HAAT: 301.2 m (H&V)**

**APPLICANT: Cumulus Licensing Corp.**

**September, 2002**

**Prepared by:**



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**Engineering Statement**  
**In Support of a Application**  
**For a Construction Permit**  
**WIXV, Savannah Georgia, Channel 238C1**

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**ENGINEERING STATEMENT**

**Of**

**Lee S. Reynolds**

**And**

**Virgle Leon Strickland**

**In Support of an**

**Application for a**

**Construction Permit**

**WIXV**

**Savannah, Georgia**

**Channel 238C1 – 102.1 MHz**

**ERP: 98.0 kW(H&V)**

**HAAT: 301.2 m**

**September, 2002**

**General**

As broadcast technical consultants doing business as Reynolds Technical Associates (“RTA”), we have been authorized by Cumulus Licensing Corp. (herein referred to as “Cumulus” as well as “The Applicant”), licensee of WIXV, Savannah, Georgia, to conduct engineering studies and prepare the engineering portion of an application for a construction permit.

This instant application is seeking to change the effective radiated power and elevation of the transmitting antenna.

**The Proposed Site**  
**(Exhibits E, Figure 1 through 5)**

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

Exhibit E, Figure 2 is the terrain averaging and contour study for the proposed facility.

The Commission's web site, <http://www.fcc.gov/fcc-bin/audio2?x=fmpower.html>, was used to determine the ERP for a Class C1 operating at 301.2 meters HAAT. The results was 98.0 kilowatts.

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

Exhibit E, Figure 4 is a vertical sketch of the proposed antenna supporting structure. Since the supporting structure is an existing tower (ASRN 1032655), a proposed site map is not being submitted as part of this application.

The distance to the blanketing contour is calculated to be 3.900 kilometer (2.425 mile).

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

The proposed FM facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with the FCC guidelines for the controlled/occupational limit and the uncontrolled/general public limit.

Exhibit E, Figure 5 is an amended study of the proposed and existing facilities on the existing tower, demonstrating compliance.

An agreement is in effect, that if anyone is required to climb the tower, all facilities on the tower will either reduce power or cease operation, so as 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**

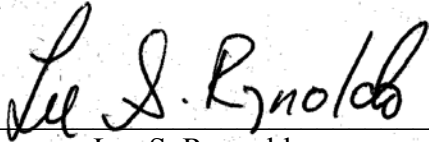
The instant engineering statement was prepared for Cumulus Licensing Corp. (“The Applicant”) and supports an application for a construction permit of WIXV, Savannah, Georgia. It was developed by RTA and may not be used for purposes other than submission to the Commission by The Applicant.

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 reserve 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 Strickland and Reynolds:

  
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Lee S. Reynolds

September 27<sup>th</sup>, 2002

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