

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

**FCC FORM 301**

**(REQUESTING CONSIDERATION UNDER §73.215)**

**Facility Identification Number 39997**

**KWIC**

**Topeka, Kansas**

**CHANNEL 257C3 – 99.3 MHz**

**ERP: 6.0 kW (H&V)**

**HAAT: 174.0 m (H&V)**

**APPLICANT: Cumulus Licensing Corp.**

**July, 2002**

**Prepared by:**



BROADCAST TECHNICAL CONSULTANTS

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**Engineering Statement**  
**In Support of a Application**  
**For a Construction Permit**  
**KWIC, Topeka Kansas, Channel 257C3**

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**ENGINEERING STATEMENT**

**Of**

**Lee S. Reynolds**

**And**

**Virgle Leon Strickland**

**In Support of an**

**Application for a**

**Construction Permit**

**KWIC**

**Topeka, Kansas**

**Channel 257C3 – 99.3 MHz**

**ERP: 6.0 kW(H&V)**

**HAAT: 174.0 m**

**July, 2002**

**General**

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

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

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

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

The terrain averaging and contour study (Exhibit E, Figure 2) shows the HAAT to be 174.0 meters.

The Commission's web site, <http://www.fcc.gov/fcc-bin/audio2?x=fmpower.html>, was used to determine the ERP for a Class C3 operating at 174.0 meters HAAT. The result was 6.0 kilowatts.

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

Exhibit E, Figure 4 is a vertical sketch of the proposed antenna supporting structure.

The proposed site has an existing tower and the applicant proposes to co-locate on the existing tower with an antenna structure registration number of 1032651.

The distance to the blanketing contour is calculated to be 0.965 kilometer (0.600 mile).

Exhibit E, Figure 5 list the broadcast facilities within the area of the proposed.

#### **Protected and Interfering Contours** **(Exhibits E, Figure 6 through 8)**

Exhibits E, Figure 6 and 7 are FM overlap studies. Exhibit E, Figure 8 is a map displaying the protected and interfering contours of KWIC and KKBZ, Clarinda, Iowa.

#### **Human Exposure** **(Exhibit E, Figure 9)**

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 9 is a 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 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 radio frequency 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**

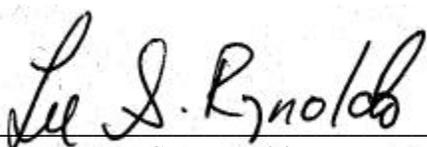
The instant engineering statement was prepared for Cumulus Licensing Corp. (“The Applicant”) and supports an application for a construction permit of KWIC, Topeka, Kansas. It was developed by Lee S. Reynolds and Virgle Leon Strickland of Reynolds Technical Associates and may not be used for purposes 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 Reynolds Technical Associates.

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

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

For Reynolds Technical Associates:

  
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July 11<sup>th</sup>, 2002

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