

# **APPLICATION FOR A MINOR CHANGE TO A CONSTRUCTION PERMIT**

**FCC FORM 301**

**FACILITY NUMBER 855**

**File Number – BPH-19980618IC**

**KJKB**

**Jacksboro, Texas**

**Channel 238A (95.5 MHz)**

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

**HAAT: 100.0 METERS (H&V)**

**APPLICANT: Hunt Broadcasting, Inc.**

**February, 2004**

**Prepared by:**



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**Engineering Statement**  
**In Support of an**  
**Application for a Minor Change**  
**to a Construction Permit**  
**Channel 238A, Jacksboro, Texas**

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**ENGINEERING STATEMENT**

**Of**

**Lee S. Reynolds**

**And**

**Virgle Leon Strickland**

**In Support of an**

**Application for a Minor Change**

**To a Construction Permit**

**KJKB**

**Jacksboro, Texas**

**Channel 238A – 95.5 MHz**

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

**HAAT: 119.6 m (H&V)**

**February, 2004**

**General**

As broadcast technical consultants doing business as Reynolds Technical Associates, we have been authorized by Hunt Broadcasting, Inc. (herein referred to as “Hunt” as well as “The Applicant”), permittee of KJKB, Jacksboro, Texas, to conduct engineering studies and prepare the engineering portion of an application to modify construction permit, file number BPH-19980618IC.

This instant application is seeking to change the transmitter location and antenna elevations.

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

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

The average terrain and contour study is included as Exhibit E, Figure 2 for the proposed site.

Exhibit E, Figure 3 is the service contour map displaying the FCC F(50,50) 70 and 60 dBu contours of the proposed change. The 70 dBu contour covers 83.4 percent of the city of license (Jacksboro, Texas).

Exhibit E, Figure 4 is a vertical sketch of the existing supporting structure. The F.A.A. has been notified of the proposed structure and will be registered upon receiving a determination of no hazard.

There are no proposed or authorized FM or TV transmitters that may produce receiver-induced intermodulation interference within ten (10) kilometers of the proposed transmitting antenna. There are no AM facilities within 3.2 kilometers of the proposed tower site.

The distance to the blanketing (115 dBu) contour is calculated to be 0.965 kilometers.

**Human Exposure to Radiofrequency Radiation**  
**(Exhibit E, Figure 9)**

The proposed FM facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with the Commissions Rules by using the RF Worksheet #1 [FCC 301 Worksheet 7 (Page 4 and 5)].

The antenna for The Applicant's FM broadcast station is to be placed on the proposed tower. The proposed center of radiation above ground level will be 76.6 meters, with an ERP (both horizontally and vertically) of 6.0 kW. The controlled/occupational limit, as well as the uncontrolled/general public limit is in compliance. Power density two (2) meters above ground is 0.066 mW/cm<sup>2</sup>, well below the maximum allowable limit of 0.2 mW/cm<sup>2</sup> for uncontrolled/general public exposure limits as well as the 1.0 mW/cm<sup>2</sup> for controlled/occupational exposure limits

Should anyone be required to climb the tower, The facility 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.

The proposed change will use an existing tower for the propose of supporting the applicant's FM transmitting antenna.

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**

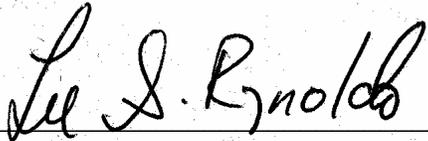
The instant engineering statement was prepared for Hunt Broadcasting, Inc. (“The Applicant”) and supports an application for a construction permit for KJKB, Jacksboro, Texas. It was developed by RTA and may not be used for purposes other than submission to the Commission by The Applicant.

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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Lee S. Reynolds

February 12<sup>th</sup>, 2004

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