

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

FCC FORM 301

(Triggering WKDF, Nashville, TN to a Class C0)

Facility Identification Number 24099

WMXX-FM

Jackson, Tennessee

CHANNEL 276C2 – 103.1 MHz

ERP: 42 kW (H&V)

HAAT: 164.0 meters (H&V)

APPLICANT: Gerald W. Hunt

August, 2002

Prepared by:



BROADCAST TECHNICAL CONSULTANTS

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Engineering Statement
In Support of a Application
For a Construction Permit
WMXX-FM, Jackson Tennessee, Channel 276C2

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

1. Statement of Engineers	E3-E7
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	Area Broadcast Facilities

ENGINEERING STATEMENT

Of

Lee S. Reynolds

And

Virgle Leon Strickland

In Support of an

Application for a

Construction Permit

WMXX-FM

Jackson, Tennessee

Channel 276C2 – 103.1 MHz

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General

As broadcast technical consultants doing business as Reynolds Technical Associates, we have been authorized by Gerald W. Hunt (herein referred to as “Hunt” as well as “The Applicant”), licensee of WMXX-FM, Jackson, Tennessee, to conduct engineering studies and prepare the engineering portion of an application for a construction permit.

This instant application is seeking only to eliminate the directional antenna, all other parameters remain the same as currently licensed.

This application requires WKDF, Nashville, Tennessee to operate as a class C0, therefore the WMXX-FM application should be considered a trigger for reclassification of WKDF.

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

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

A terrain averaging and contour study was performed for the proposed and is 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.

The proposed site has an existing tower, the antenna registration number for the supporting structure is 1040144.

Exhibit E, Figure 4 is a list of area broadcast facilities. There are no facilities within the 16 kilometers area that will cause receiver induced interference.

The distance to the blanketing contour is calculated to be 2.553 kilometer (1.588 mile).

Human Exposure
(No Exhibits)

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

The panel antenna for The Applicant's proposed FM broadcast station is to be placed on an existing tower. The proposed center of radiation above ground level of 94 meters, with an ERP (both horizontal and vertical) of 42 kW. The power density at two (2) meters above ground is 0.133 mW/cm². Additional studies were conducted due to the power density being above the maximum allowable limit of 0.2 mW/cm² for

uncontrolled/general public exposure limits as well as the 1.0 mW/cm² for controlled/occupational exposure limits.

A policy is in effect, that if anyone is 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.

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

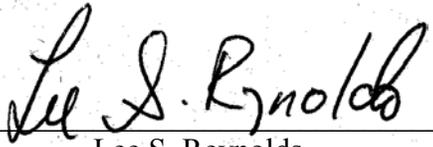
The instant engineering statement was prepared for Gerald W. Hunt (“The Applicant”) and supports an application for a construction permit of WMXX-FM, Jackson, Tennessee. It was developed by Lee S. Reynolds and Virgle Leon Strickland of Reynolds Technical Associates and may not be used for purposes other 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 Strickland and/or Reynolds.

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 Strickland and Reynolds:



Lee S. Reynolds

August 8th, 2002

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