



7136 S Yale Ave
Suite 501
Tulsa, OK 74133

o 918.664.4581
f 918.664.3066

www.iHeartMedia.com
www.iHeartRadio.com
[#iheartradio](https://twitter.com/iheartradio)

November 21, 2022

VIA EMAIL

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

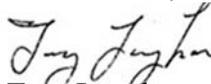
RE: IHM LICENSES, LLC (FRN No. 0014042816)
FCC Form 302-AM
WRZX (AM), 1400 kHz, Newnan, GA; Facility ID No. 48739

Dear Ms. Dortch:

On behalf of IHM LICENSES, LLC, the licensee of the above-referenced station, enclosed is a copy of FCC Form 302-AM.

Please contact the undersigned with any communications concerning this application.

Respectfully submitted,
IHM LICENSES, LLC

By: 
Troy Langham
VP, Technical Regulatory Affairs

cc: Public Inspection File

FOR
FCC
USE
ONLY

FCC 302-AM
APPLICATION FOR AM
BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY

FILE NO.

SECTION I - APPLICANT FEE INFORMATION

1. PAYOR NAME (Last, First, Middle Initial)

IHM LICENSES, LLC

MAILING ADDRESS (Line 1) (Maximum 35 characters)

7136 S Yale Ave

MAILING ADDRESS (Line 2) (Maximum 35 characters)

Suite 501

CITY

Tulsa

STATE OR COUNTRY (if foreign address)

OK

ZIP CODE

74136

TELEPHONE NUMBER (include area code)

918-664-4581

CALL LETTERS

WRZX

OTHER FCC IDENTIFIER (If applicable)

48739

2. A. Is a fee submitted with this application?

Yes

No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section

Governmental Entity

Noncommercial educational licensee

Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).

(A)

FEE TYPE CODE		
M	M	R

(B)

FEE MULTIPLE			
0	0	0	1

(C)

FEE DUE FOR FEE TYPE CODE IN COLUMN (A)
\$ 645.00

FOR FCC USE ONLY

FOR FCC USE ONLY

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)

--	--	--

(B)

0	0	0	1
---	---	---	---

(C)

\$

FOR FCC USE ONLY

FOR FCC USE ONLY

ADD ALL AMOUNTS SHOWN IN COLUMN C, AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION

\$ 645.00

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT IHM LICENSES, LLC		
MAILING ADDRESS 7136 S YALE AVE, SUITE 501		
CITY TULSA	STATE OK	ZIP CODE 74136

2. This application is for:

- Commercial
 Noncommercial
 AM Directional
 AM Non-Directional

Call letters WRZX	Community of License Newnan, GA	Construction Permit File No. BP-20211122AAC	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit 02/25/2025
----------------------	------------------------------------	--	---	---

3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

Yes No

If No, explain in an Exhibit.

Exhibit No.

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

Yes No

If No, state exceptions in an Exhibit.

Exhibit No.

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

Yes No

If Yes, explain in an Exhibit.

Exhibit No.

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

Yes No

If No, explain in an Exhibit.

Does not apply

Exhibit No.

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

Yes No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

Yes No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended).

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

Yes No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name Troy Langham	Signature Troy Langham	Digitally signed by Troy Langham DN: cn=Troy Langham, o, ou, email=TroyLangham@iheartmedia.com, c=US Date: 2022.11.16 14:03:09 -06'00'
Title VP, Technical Regulatory Affairs	Date 11/16/2022	Telephone Number 918-664-4581

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator <small>Uniform cross-section, guyed tower</small>	Overall height in meters of radiator above base insulator, or above base, if grounded. 45.7	Overall height in meters above ground (without obstruction lighting) 46.6	Overall height in meters above ground (include obstruction lighting) 46.6	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div style="border: 1px solid black; padding: 2px; display: inline-block;">Exhibit No. N/A</div>
--	---	---	---	---

Excitation Series Shunt

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude 33 ° 22 ' 31 "	West Longitude 84 ° 47 ' 08 "
--	--

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.
N/A

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.
Engineering

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

None

ground system consists of 120 buried copper radials,each 57.9 meters long, about the base of the tower

11. Give reasons for the change in antenna or common point resistance.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) Randall L. Mullinax	Signature (check appropriate box below) Randall Mullinax <small>Digitally signed by Randall Mullinax DN: cn=Randall Mullinax, o=iHeartMedia, ou=Engineering, email=randymullinax@iheartmedia.com, c=US Date: 2022.11.08 09:38:17 -05'00'</small>
Address (include ZIP Code) 2859 Cascade Dr. Gainesville, GA 30504 e-mail randymullinax@iheartmedia.com	Date 11/8/2022 Telephone No. (Include Area Code) 770-654-3569

- | | |
|--|---|
| <input checked="" type="checkbox"/> Technical Director | <input type="checkbox"/> Registered Professional Engineer |
| <input type="checkbox"/> Chief Operator | <input type="checkbox"/> Technical Consultant |
| <input type="checkbox"/> Other (specify) | |

ENGINEERING EXHIBIT
APPLICATION FOR STATION LICENSE
IHM LICENSES, LLC
RADIO STATION WRZX
NEWNAN, GEORGIA

November 8, 2022

1400 KHz 0.7 KW ND-U

APPLICATION FOR STATION LICENSE
RADIO STATION WRZX
NEWNAN, GEORGIA

1400 KHz 0.7 KW-ND-U

Table of Contents

	Executive Summary
Item 1	Installation and Maintenance Agreement
Item 2	Spurious and Harmonic Measurements
Item 3	Schematic Diagram
Item 4	RFR Compliance
Item 5	Ground System

Executive Summary

This engineering exhibit was prepared to support an application to cover construction permit BP-20211122AAC, to relocate WRZX(AM), Newnan, Georgia, Facility ID 48739. This exhibit satisfies special condition three as outlined therein.

Per the construction permit, WRZX will utilize the same non-directional antenna system as WNEA(AM) Facility ID 73317.

Impedance measurements were conducted with an Agilent Model 4396B vector network analyzer with external coupler in a calibrated measurement system.

Program test authority is respectfully requested.



Randall L. Mullinax
November 8, 2022

EQUIPMENT INSTALLATION AND MAINTENANCE AGREEMENT

THIS EQUIPMENT INSTALLATION AND MAINTENANCE AGREEMENT (the "**Agreement**") is executed and entered into as of October __, 2022, by and among WORD CHRISTIAN BROADCASTING, INC. ("**WCB**"), iHM LICENSES, LLC ("**iHM Licenses**") and its affiliate iHEARTMEDIA + ENTERTAINMENT, INC. ("**iHeartMedia**") and collectively with iHM Licenses, "**iHM**").

RECITALS

A. WCB is the licensee of AM station WNEA, 1300 kHz, Newnan, Georgia, FCC Facility ID No. 73317 ("**WNEA**").

B. iHM Licenses is the licensee of AM station WRZX, 1400 kHz, Newnan, Georgia, FCC Facility ID No. 48739 ("**WRZX**") and has been issued by the Federal Communications Commission ("**FCC**") a construction permit, FCC File No. BP- 20211122AAC (the "**WRZX Permit**") for the modification of WRZX to be diplexed with the transmission facility of WNEA.

C. In December 2021, WCB and iHeartMedia have entered into that certain Diplex and Lease Agreement (the "**Lease Agreement**"), whereby WCB is leasing space to iHeartMedia at the WNEA transmission site for the purpose of the housing, installation and operation of the WRZX transmission equipment pursuant to the WRZX Permit.

D. WCB and iHM desire to enter into this Agreement to set forth their rights and obligations with respect to the installation and maintenance of filters, traps and other equipment required to prevent interaction between the transmission facilities and operations of WNEA and WRZX.

E. In consideration of the covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which are acknowledged by the execution and delivery hereof, the parties agree as follows:

1. INSTALLATION AND MAINTENANCE.

1.1 Installation. iHM shall be solely responsible for the purchase, installation and adjustment of the filters, traps and other equipment necessary to prevent interaction from the joint usage of the WNEA-WRZX diplexed transmission system (collectively, the "**Equipment**").

1.2 Maintenance. iHM shall be solely responsible for the maintenance of the Equipment with all related maintenance expenses to be paid by iHM.

1.3 Field Measurements. iHM shall be solely responsible for conducting field observations to determine whether spurious emissions exist from the implementation of the WRZX Permit, with iHM solely responsible for eliminating any objectional problems resulting therefrom. As soon as possible following construction pursuant to the WRZX Permit, at the expense of iHM, the parties shall cooperate so that WRZX and WNEA each measure antenna or common point resistance and prepare and submit FCC Form 302s as necessary.

2. **TERM.** This Agreement shall continue in existence for so long as WRZX continues to be diplexed with the transmission facility of WNEA at the site specified by the WRZX Permit, unless earlier terminated by the written consent of all parties hereto.

3. **MISCELLANEOUS PROVISIONS.**

3.1 **Successors and Assigns.** The terms, conditions, covenants and agreements as contained in this Agreement shall be binding upon and inure to the benefit of the parties hereto and their successors and permitted assigns.

3.2 **Notices.** Any notice or request (collectively, a “Notice”) given under this Agreement shall be in writing and shall be given by certified or registered mail, postage prepaid or by overnight delivery, to the respective address set forth in Exhibit A to the Lease Agreement or such other address notice of which has been given in such manner.

3.3 **Counterparts.** This Agreement may be executed in separate counterparts, each of which will be deemed an original and all of which together will constitute one and the same agreement. Delivery of an executed counterpart signature page to this Agreement by facsimile or e-mail shall be deemed sufficient to render this Agreement effective.

3.4 **Waiver of Punitive or Consequential Damages.** Neither party hereto shall be responsible or liable to the other or to any other person or entity for any punitive, exemplary or consequential damages which may be alleged as a result of this Agreement or the obligations to be undertaken by either party hereunder, including any breach or other default by any party hereto.

3.5 **Modifications.** No modification or waiver of any provision of this Agreement shall in any event be effective unless the same shall be in writing signed by the party against whom the waiver is sought to be enforced.

3.6 **Waivers.** Except as otherwise provided herein, no failure or delay on the part either party in exercising any right or power hereunder shall operate as a waiver thereof.

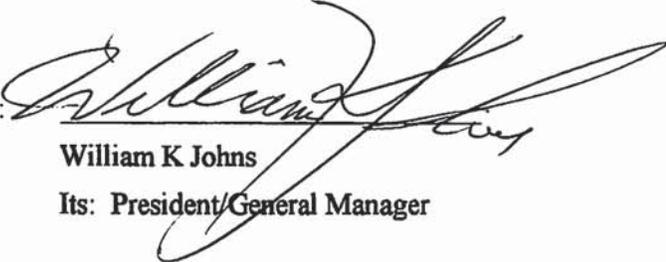
3.7 **Governing Law.** This Agreement shall be construed and governed in accordance with the internal laws of Georgia and without regard to the conflict of laws provisions thereof.

3.8 **Merger.** This Agreement, together with the Lease Agreement, embodies the entire agreement between the parties and supersedes any and all prior written or oral agreements relating to the subject matter hereof.

IN WITNESS WHEREOF the parties hereto have executed this Agreement to be effective as of the date first set forth above.

WORD CHRISTIAN BROADCASTING, INC.

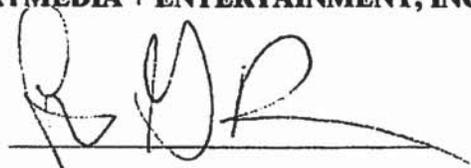
By: _____


William K Johns

Its: President/General Manager

**iHM LICENSES, LLC
iHEARTMEDIA + ENTERTAINMENT, INC.**

By: _____


Stephen G. Davis

Its: Senior Vice President – Real Estate & Facilities

Spurious and Harmonic Measurements
WNEA, Facility ID Number 73317, Newnan, GA
and
WRZX, Facility ID Number 48739, Newnan, GA

Filtering and Detuning Apparatus

Since WRZX shares the non-directional antenna system of WNEA, filters are employed to prevent coupling and mixing of the two frequencies (1300 and 1400 kHz) as shown in Figure 1.

Spurious Emission Observations

With both WNEA and WRZX operating at full authorized power, a Potomac Instruments model PI-4100 field strength meter was utilized to search for spurious emissions at a location 0.75 kilometers from the transmitter site. The observations were conducted on October 20, 2022 between the hours of 11:30AM and 12:05PM EDT. The location was on the sidewalk on the north side of McIntosh Parkway adjacent to a roundabout street sign, at NAD83 GPS coordinates 33° 22' 41.9" N, 84° 46' 41.6" W. With WNEA and WRZX operating at full power, their field strengths were observed to be 263 mV/m and 237 mV/m, respectively, at this point. Specific observations were recorded as listed in Table 1, of intermodulation product and harmonic frequencies falling within the frequency range of the field strength meter that was employed for the measurements. The measurements confirm that any spurious emissions from the collocated stations are below the levels specified by section 73.44 of the FCC rules.



Randall L. Mullinax
Senior RF Engineer
iHeartMedia

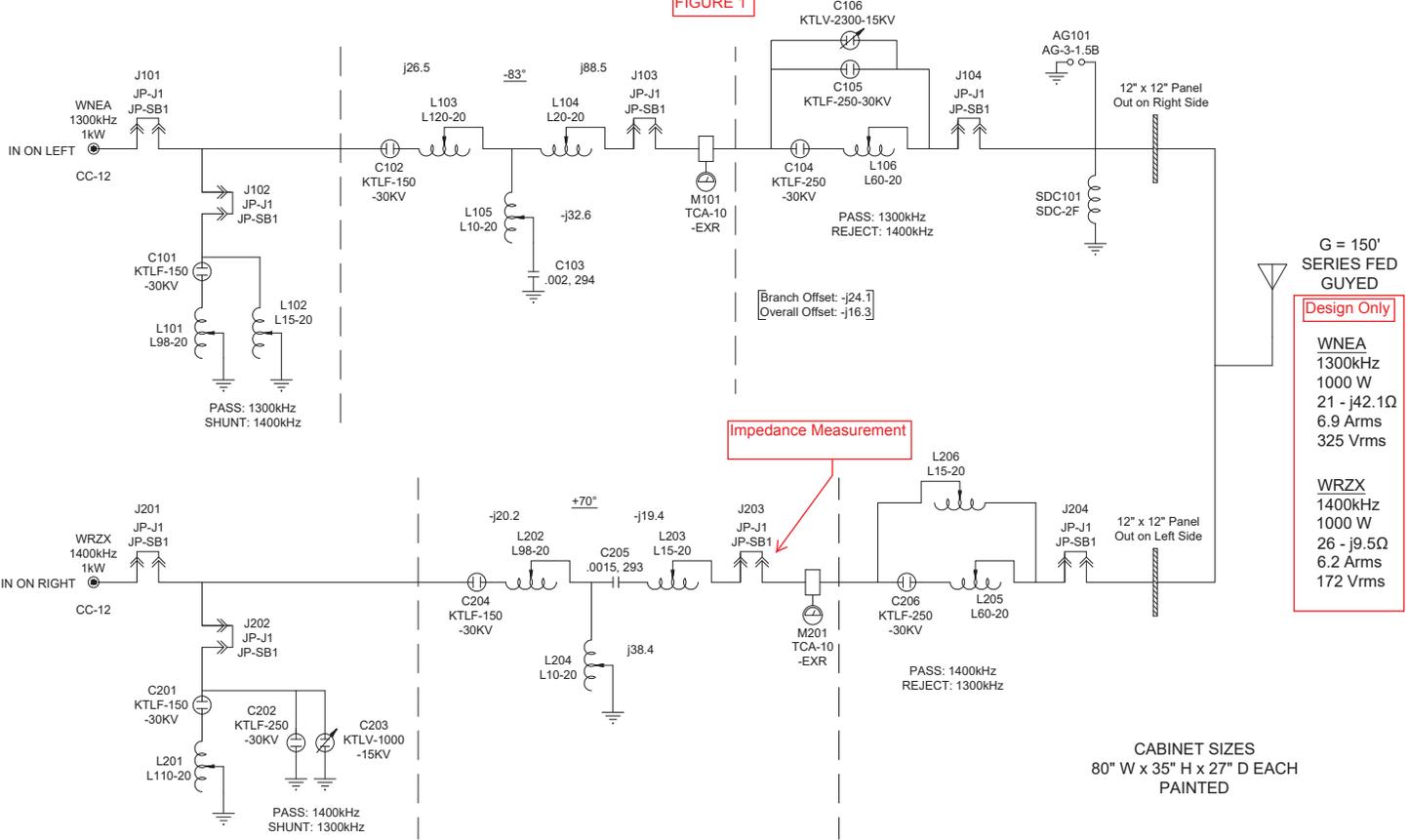
Table 1 - WNEA/WRZX Spurious and Intermodulation Measurements

DESCRIPTION	FREQ. (kHz)	MEASURED LEVEL (mV/m)	REF. LEVEL 1300 KHz	ATTEN. dB (Below 1300 KHz Ref.)	REQUIRED ATTEN. dB (Below 1300 KHz Ref.)	REF. LEVEL 1400 KHz	ATTEN. dB (Below 1400 KHz Ref.)	REQUIRED ATTEN. dB (Below 1400 KHz Ref.)
FUNDAMENTAL	1300	263	263	N/A	0.0	N/A	N/A	N/A
FUNDAMENTAL	1400	237	N/A	N/A	N/A	237	0.0	0.0
(2 X 1300) - 1400	1200	0.016	263	84.3	73.0	237	83.4	71.5
(2 X 1400) - 1300	1500	0.038	263	76.8	73.0	237	75.9	71.5
(3 X 1400) - (2 X 1300)	1600	0.081*	263	70.2*	73.0	237	69.3*	71.5
(3 X 1300) - 1400	2500	0.014	263	85.5	73.0	237	84.6	71.5
2 X 1300	2600	0.011	263	87.6	73.0	N/A	N/A	N/A
1300 + 1400	2700	0.011	263	87.6	73.0	237	86.7	71.5
2 X 1400	2800	0.013	N/A	N/A	N/A	237	85.2	71.5
(3 X 1400) - 1300	2900	0.010	263	88.4	73.0	237	87.5	71.5
3 X 1300	3900	0.009	263	89.3	73.0	N/A	N/A	N/A
(2 X 1300) + 1400	4000	0.011	263	87.6	73.0	237	86.7	71.5
(2 X 1400) + 1300	4100	0.010	263	88.4	73.0	237	87.5	71.5

Point Located at 33-22-41.9 N - 84-46-41.6 W (NAD83) - 0.75 km from WNEA/WR
 Measurement taken between 11:30 AM and 12:05 PM on October 20, 2022 by Randall L. Mullinax
 Measurements were made with a Potomac PI-4100, S/N 133, Calibrated on June 2, 2021

*Unable to measure 1600 kHz due to WAOS, Austell, GA. No WNEA or WRZX audio was detected on 1600, only WAOS spanish language programming.

FIGURE 1



G = 150'
SERIES FED
GUYED

Design Only

WNEA
1300kHz
1000 W
21 - j42.1Ω
6.9 Arms
325 Vrms

WRZX
1400kHz
1000 W
26 - j9.5Ω
6.2 Arms
172 Vrms

CABINET SIZES
80" W x 35" H x 27" D EACH
PAINTED



KINTRONIC LABORATORIES INC.
BLUFF CITY, TN.

FREQ:
1300kHz
1400kHz
POWER:
1 kW

WNEA WRZX
DIPLEXER RF SCHEMATIC
NEWNAN, GEORGIA

REV. 00	REV. DESCRIPTION:	REV. DATE:	JOB NO. 119091	DESIGNED: B.Cox
DWG NO. 12387-RFS-01	REF DWG.	DATE: 05/02/2022	DRAWN: N.Ormes	APPROVED:

THE CONTENTS OF THIS DRAWING ARE THE INTELLECTUAL PROPERTY OF KINTRONIC LABS, INC. AND ARE NOT TO BE DISTRIBUTED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF KINTRONIC LABS, INC.

Environmental Statement

The WRZX Radiator is surrounded by a secured fence restricting access by unauthorized personnel and signs are posted in the vicinity of the radiator, warning of potential radio frequency hazards at the site. Based on the charts and graphs supplied in Supplement A, Edition 97-01 to OET bulletin 65, Edition 97-01 the applicant certifies that the distance to the fence from the radiator complies with FCC OET65 regarding human exposure to non-ionizing electromagnetic radiation.

Ground System

The ground system consists of 120 buried copper radials, each 57.9 meters long, about the base of the tower.