

AUDIO SERVICES DIVISION

LAW OFFICES

MILLER AND NEELY, P. C.

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*ADMITTED PA AND DC ONLY

2011 AUG -3 P 2:33

August 2, 2011

Received & Inspected

AUG 03 2011

FCC Mail Room

Secretary **RECEIVED**
Federal Communications Commission
Washington, DC 20554

ATTN: Audio Division (AM)

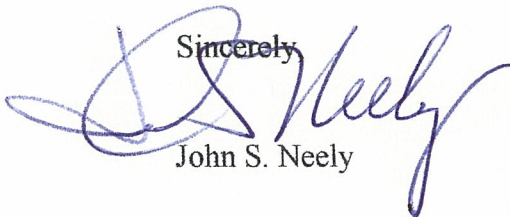
RE: Form 302-AM
(Direct Measurement of Power)
WXJC(AM) Birmingham, Alabama
FAC: 74245

Dear Madam Secretary:

Transmitted herewith in triplicate on behalf of Kimtron, , Inc., licensee of the above-referenced station is FCC Form 302-AM, an application for Direct Measurement of Power.

No filing fee is required with this application. Any questions concerning this matter should be addressed to the undersigned.

Sincerely,



John S. Neely

encs.

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

BMMLE20110803ACB

SECTION I - APPLICANT FEE INFORMATION

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

Kimtron, Inc.

copy notices and communications to:

MAILING ADDRESS (Line 1) (Maximum 35 characters)

P.O. Box 3003

Miller and Neely, PC

6900 Wisconsin Ave., Suite 704

MAILING ADDRESS (Line 2) (Maximum 35 characters)

Bethesda, MD 20815

CITY

Blue Bell

STATE OR COUNTRY (if foreign address)

PA

ZIP CODE

19422

TELEPHONE NUMBER (include area code)

(215) 628-3500

CALL LETTERS

WXJC

OTHER FCC IDENTIFIER (if applicable)

FRN; 0003-4129-62

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

FACID 74245

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:

Nonfeeable application

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		

(B)			
FEE MULTIPLE			
0	0	0	1

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

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)			
FEE MULTIPLE			
0	0	0	1

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

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
\$

FOR FCC USE ONLY

Received & Inspected

AUG 03 2011

FCC Mail Room

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Kimtron, Inc. FRN 0003-4129-62		
MAILING ADDRESS P.O. Box 3003		
CITY Blue Bell	STATE PA	ZIP CODE 19422

2. This application is for:

- Commercial Noncommercial
 AM Directional AM Non-Directional

Call letters FAC 74245 WXJC	Community of License Birmingham, AL	Construction Permit File No. N/A	Modification of Construction Permit File No(s). N/A	Expiration Date of Last Construction Permit N/A
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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.
N/A

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.
N/A

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.
N/A

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.
N/A

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.
N/A

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.
N/A

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).

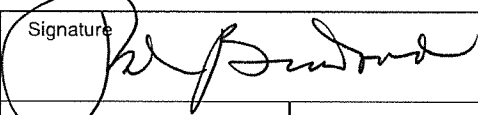
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

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 Donald B. Crawford	Signature 	
Title President	Date 07/21/2011	Telephone Number (215) 628-3500

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	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
On File - No Change	On File - No Change	On File - No Change	On File - No Change	Exhibit No. N/A

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 °	37 '	25 "	West Longitude	086 °	44 '	45 "
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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. On file - no change.

Exhibit No.

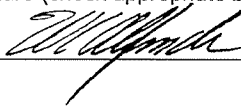
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

N/A

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

No change in common point resistance - partial moment method application only following replacement of sample loops with larger loops.

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) W.C. Alexander	Signature (check appropriate box below) 
Address (include ZIP Code) 2821 S. Parker Road Suite 1205 Aurora, CO 80014	Date 07/21/2011 Telephone No. (Include Area Code) (303) 433-0104

- Technical Director
- Chief Operator
- Other (specify)
- Registered Professional Engineer
- Technical Consultant

EXHIBIT E-1

APPLICATION FOR LICENSE
RADIO STATION WXJC
BIRMINGHAM, AL

Kimtron, Inc.

July 21, 2011

850 kHz 50 kW-D/1 kW-N DA-2



CRAWFORD
BROADCASTING
COMPANY

EXHIBIT E-1
Engineering Statement

This engineering exhibit supports an application for license to cover changes in the daytime and nighttime sampling systems for radio station WXJC, Birmingham, Alabama (FCC FID No. 74245).

The daytime directional pattern of WXJC is currently licensed pursuant to 47 C.F.R. §73.151(a) (conventional field-measurement based method), and the nighttime pattern is licensed pursuant to 47 C.F.R. §73.151(c) (moment-method modeling) [BMM-20100608AKA]. Both day and night patterns use the same loop-based sample system.

It was found over a period of time that the antenna monitor would from time to time fail to properly reference on the night pattern. This was determined to be caused by insufficient sample voltage from the night reference tower. The solution, which would provide a higher sample voltage, was to replace all the sample loops with new, larger loops at the same elevations as the existing loops.

Special Temporary Authority was obtained on May 20, 2011 (BSTA-20110517ACG) to permit operation with indicated parameters at variance during the loop replacement.

The loops were replaced and the licensed operating parameters were observed on the antenna monitor.

No changes were made to the day or night directional arrays other than the replacement of the loops. The only observable changes in the array are the terminated impedances of the sample lines. The new terminated impedances were measured using an Agilent E5061A network analyzer. The measurements were made looking into the antenna monitor ends of the sample lines with the tower ends of the sample lines terminated into the loops. The table below shows the results of these measurements:

Twr.	R (ohms)	X (ohms)	ASRN
1	6.3	-31.6	1053113
2	6.3	-31.4	1053114
3	6.5	-31.8	1053115
4	6.3	-31.4	1053116
5	6.5	-32.0	1053117

No changes to the operating parameters or common point resistance resulted from the sample loop replacement.

It is respectfully requested that the license file of WXJC be updated with the new terminated sample line impedances.