

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0627
Expires 01/31/98

FOR
FCC
USE
ONLY

Please Date Stamp and Return
Accepted by Holland & Knight LLP

NOV 30 2016

Federal Communications Commission
Office of the Secretary

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)

NOT APPLICABLE

MAILING ADDRESS (Line 1) (Maximum 35 characters)

HOLLAND & KNIGHT LLP

MAILING ADDRESS (Line 2) (Maximum 35 characters)

800 17TH STREET NW, SUITE 1100

CITY

WASHINGTON

STATE OR COUNTRY (if foreign address)

DC

ZIP CODE

20006-3906

TELEPHONE NUMBER (include area code)

202-457-7040

CALL LETTERS

WFOM

OTHER FCC IDENTIFIER (If applicable)

72066

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 | | |
| | | |

(B)

| | | | |
|--------------|---|---|---|
| FEE MULTIPLE | | | |
| 0 | 0 | 0 | 1 |

(C)

| |
|---|
| FEE DUE FOR FEE TYPE CODE IN COLUMN (A) |
| \$ 0 |

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)

| |
|------|
| \$ 0 |
|------|

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| |
|--|
| |
| |

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

\$ 0

FOR FCC USE ONLY

| |
|--|
| |
| |

| | | |
|---|-------------|-------------------|
| SECTION II - APPLICANT INFORMATION | | |
| 1. NAME OF APPLICANT Dickey Broadcasting Company | | |
| MAILING ADDRESS 780 JOHNSON FERRY ROAD, NE - 5TH FLOOR | | |
| CITY Atlanta | STATE GA | ZIP CODE 30342 |

2. This application is for:

- ☒ Commercial
 ☐ Noncommercial
☐ AM Directional
 ☒ AM Non-Directional

| | | | | |
|----------------------|--|-------------------------------------|---|--|
| Call letters WFOM | Community of License Marietta Georgia | Construction Permit File No. N/A | Modification of Construction Permit File No(s). N/A | Expiration Date of Last Construction Permit |
|----------------------|--|-------------------------------------|---|--|

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.
NA

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.
NA

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.
NA

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.
NA

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).

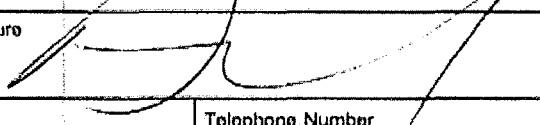
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

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 David W. Dickey | Signature  | |
| Title President | Date 11-29-2016 | Telephone Number 404-688-0068 |

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 - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Dickey Broadcasting Company

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐

Station License

☒

Direct Measurement of Power

| | | | | | |
|---|--|----------------------------|--|--------------------|-------------|
| 1. Facilities authorized in construction permit | | | | | |
| Call Sign WFOM | File No. of Construction Permit (if applicable) | Frequency (kHz) 1230 | Hours of Operation Unlimited | Power in kilowatts | |
| | | | | Night .754 | Day .754 |
| 2. Station location | | | | | |
| State Georgia | | | City or Town Marietta | | |
| 3. Transmitter location | | | | | |
| State GA | County Cobb | City or Town Marietta | Street address (or other identification) 750 Franklin Gateway, SE | | |
| 4. Main studio location | | | | | |
| State GA | County Fulton | City or Town Atlanta | Street address (or other identification) 780 JOHNSON FERRY ROAD NW 5TH FLOOR | | |
| 5. Remote control point location (specify only if authorized directional antenna) | | | | | |
| State GA | County Fulton | City or Town Atlanta | Street address (or other identification) 780 JOHNSON FERRY ROAD NW 5TH FLOOR | | |

6. Has type-approved stereo generating equipment been installed?

☐

Yes

☒

No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?

☐

Yes

☐

No

☒

Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.

N/A

| | | | | | |
|---|---|-----|--|-----|-----------------------|
| 8. Operating constants: | | | | | |
| RF common point or antenna current (in amperes) without modulation for night system 1.09 | | | RF common point or antenna current (in amperes) without modulation for day system 1.09 | | |
| Measured antenna or common point resistance (in ohms) at operating frequency Night 640 Day 640 | | | Measured antenna or common point reactance (in ohms) at operating frequency Night -230 Day -230 | | |
| Antenna indications for directional operation | | | | | |
| Towers | Antenna monitor Phase reading(s) in degrees | | Antenna monitor sample current ratio(s) | | Antenna base currents |
| | Night | Day | Night | Day | Night Day |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Manufacturer and type of antenna monitor: | | | | | |

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. |
|-----------------------------------|--|--|--|---|
| Uniform Cross-section Guyed Tower | 91.5 | 92.5 | 93.3 | Exhibit No. |

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 | ° | 55 | ' | 38 | " | West Longitude | 84 | ° | 30 | ' | 8 | " |
|----------------|----|---|----|---|----|---|----------------|----|---|----|---|---|---|

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.
Exhibit A

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

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?

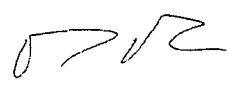
N/A

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

Installation of FM translator antenna

General repairs and maintenance to the tower.

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) Daniel L. Davis, CPBE | Signature (check appropriate box below)  |
| Address (include ZIP Code) D Squared Broadcast Technologies, Inc. PO Box 48 Madison, GA 30650 | Date November 23, 2016 |
| | Telephone No. (Include Area Code) 706-342-4474 |

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

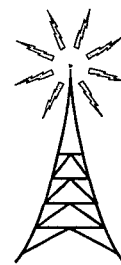
☒ Technical Consultant

☐ Other (specify)



D Squared Broadcast Technologies, Inc.

**P.O. Box 48
Madison, GA 30650**

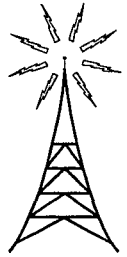


**ANTENNA RESISTANCE
MEASUREMENT**

**WFOM-AM
Atlanta, GA
November 18, 2016**



D Squared Broadcast Technologies, Inc.
P.O. Box 48
Madison, GA 30650



Qualifications

WFOM-AM
Atlanta, GA
November 18, 2016

Daniel L. Davis deposes and says:

That he prepared the attached exhibit and that all work contained in that exhibit is true of his knowledge and belief, and as to such statements made on belief, they are believed to be true.

That he currently holds a F.C.C. General Class Radiotelephone License and had held a FCC First Class Radiotelephone License for ten years prior to receiving the General Class License in 1985. He also holds Professional Broadcast Engineer certification through the Society of Broadcast Engineers, and has been a member of the SBE since 1983.

That he received the degree of Master of Education from the University of Georgia in 1978, and that his undergraduate program of study was strong in Mathematics and Physics.

That he has been involved in the technical aspects of broadcasting since 1975, and has performed design, installation, project management, troubleshooting, and maintenance, along with tests and measurements, including compliance measurements on broadcast facilities.

Member: IEEE



Daniel L. Davis, CPBE 11/18/2016
FCC Lic. No. PG-6-14509
SBE CPBE No. 50651
GA Lic. No. LVU-003485



D Squared Broadcast Technologies, Inc.
P.O. Box 48
Madison, GA 30650



Narative Statement

WFOM-AM
Atlanta, GA
November 18, 2016

A translator antenna was mounted at 93 meters above ground on the WFOM tower, as authorized in FCC construction permit BPFT-20160129AHZ. An isocoupler was installed, and general repairs and maintenance were performed on the structure. This antenna system formerly supported an auxiliary transmitter on 750 kHz, which has been removed from service. The formerly used diplexer remains in place, although the jumper plug at J104 has been removed, leaving the coupling network and filters in place on the 1230 kHz side of the diplexer. This was done to support possible future plans to install another auxiliary transmitter at this site. New antenna resistance measurements were made, at test point just below the antenna current meter, as shown on the schematic on page-12. The new impedance was determined with a vector impedance analyzer, using the following procedure, as specified in §73.54 of the FCC Rules and Regulations. Care was taken to establish a low impedance ground path between the bridge and the antenna tuning unit ground. Then the ATU output J-Plug was disconnected. The test port of the analyzer was connected to the tower side of the meter, and a series of resistance and reactance measurements was made at discrete frequencies. This data was plotted on a graph using the software supplied with the analyzer. The station operating impedance was determined geometrically from the graph.

The new station operating impedance is 640-j230 ohms.

The antenna current for 1.0 kilowatts of antenna input power is 1.25 Amperes.

The antenna current for .754 kilowatts of antenna input power is 1.09 Amperes.



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Madison, GA 30650



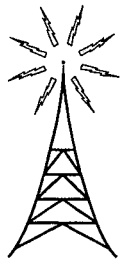
Tabulation of Data

WFOM-AM
Atlanta, GA
November 18, 2016

| Frequency MHz | Antenna | Antenna |
|---------------|-------------------|----------------|
| | Resistance - Ohms | Reactance—Ohms |
| 1.200 | 688.114 | -103.772 |
| 1.201 | 688.853 | -107.675 |
| 1.202 | 689.497 | -110.158 |
| 1.203 | 690.856 | -116.870 |
| 1.204 | 685.090 | -122.963 |
| 1.205 | 685.407 | -125.687 |
| 1.206 | 683.030 | -127.439 |
| 1.207 | 684.020 | -135.445 |
| 1.208 | 689.785 | -140.295 |
| 1.209 | 682.234 | -146.040 |
| 1.210 | 692.805 | -144.151 |
| 1.211 | 678.070 | -154.467 |
| 1.212 | 681.527 | -160.657 |
| 1.213 | 675.933 | -162.878 |
| 1.214 | 675.557 | -165.322 |
| 1.215 | 673.865 | -173.416 |
| 1.216 | 667.715 | -180.056 |
| 1.217 | 668.100 | -177.823 |
| 1.218 | 665.087 | -184.879 |
| 1.219 | 669.240 | -190.632 |
| 1.220 | 667.938 | -203.608 |



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Madison, GA 30650



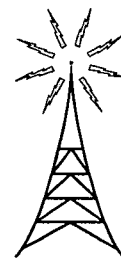
Tabulation of Data

WFOM-AM
Atlanta, GA
November 18, 2016

| Frequency MHz | Antenna | Antenna |
|---------------|-------------------|----------------|
| | Resistance - Ohms | Reactance—Ohms |
| 1221 | 663.773 | -199.665 |
| 1222 | 659.609 | -205.051 |
| 1223 | 658.497 | -212.627 |
| 1224 | 653.087 | -211.908 |
| 1226 | 650.017 | -218.322 |
| 1226 | 653.925 | -218.765 |
| 1227 | 646.679 | -226.616 |
| 1228 | 640.172 | -229.907 |
| 1229 | 637.404 | -236.074 |
| 1230 | 629.754 | -227.157 |
| 1231 | 626.566 | -242.877 |
| 1232 | 615.332 | -237.922 |
| 1233 | 613.718 | -231.506 |
| 1234 | 620.440 | -222.599 |
| 1235 | 628.758 | -234.268 |
| 1236 | 627.776 | -239.655 |
| 1237 | 625.055 | -244.476 |
| 1238 | 624.803 | -251.396 |
| 1239 | 619.377 | -256.883 |
| 1240 | 610.888 | -253.522 |
| | | |



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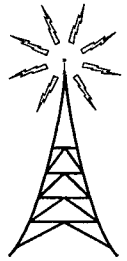
Tabulation of Data

WFOM-AM
Atlanta, GA
November 18, 2016

| Frequency MHz | Antenna | Antenna |
|---------------|-------------------|----------------|
| | Resistance - Ohms | Reactance—Ohms |
| 1.241 | 611.165 | -264.294 |
| 1.242 | 611.526 | -273.839 |
| 1.243 | 607.629 | -275.608 |
| 1.244 | 604.416 | -276.796 |
| 1.245 | 600.603 | -281.844 |
| 1.246 | 596.394 | -283.371 |
| 1.247 | 596.622 | -290.071 |
| 1.248 | 590.154 | -293.557 |
| 1.249 | 587.023 | -292.321 |
| 1.250 | 576.395 | -282.933 |
| 1.251 | 576.348 | -295.701 |
| 1.252 | 575.276 | -301.108 |
| 1.253 | 570.665 | -299.943 |
| 1.254 | 567.047 | -304.512 |
| 1.255 | 564.975 | -306.929 |
| 1.256 | 557.393 | -310.077 |
| 1.257 | 554.322 | -311.696 |
| 1.258 | 549.157 | -314.811 |
| 1.259 | 545.958 | -318.403 |
| 1.260 | 545.764 | -314.574 |
| | | |



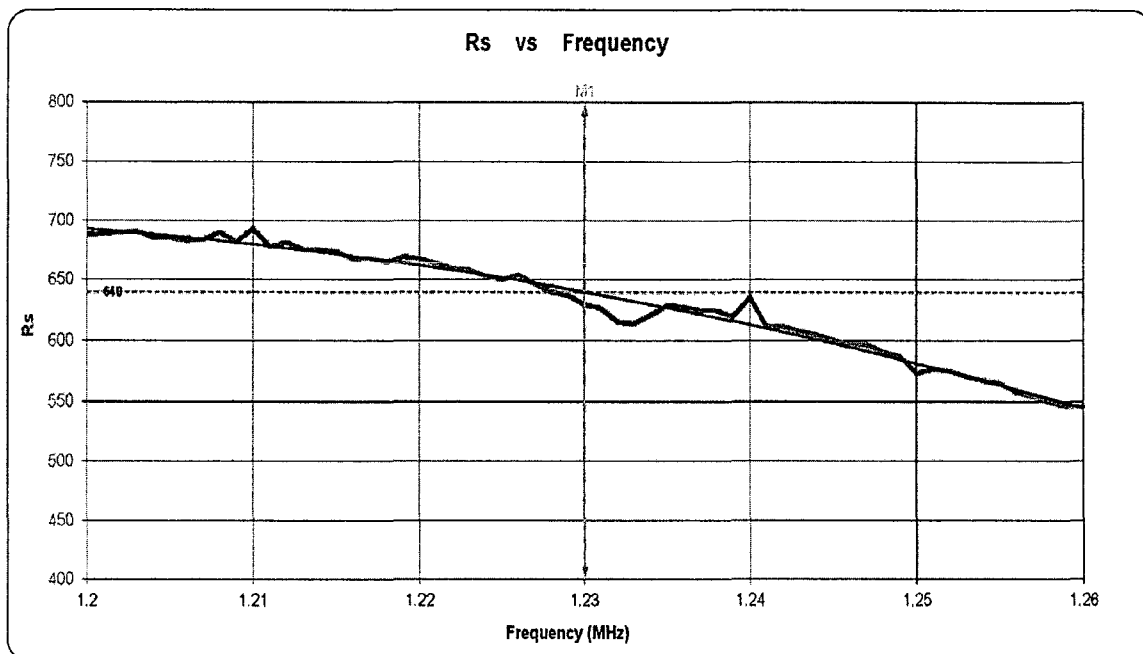
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Madison, GA 30650



Antenna Resistance Graph

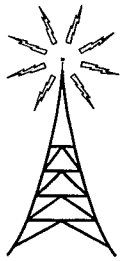
WFOM-AM
Atlanta, GA
November 18, 2016

File: WFOM-DiplexerBelowMeter-11172016.csv





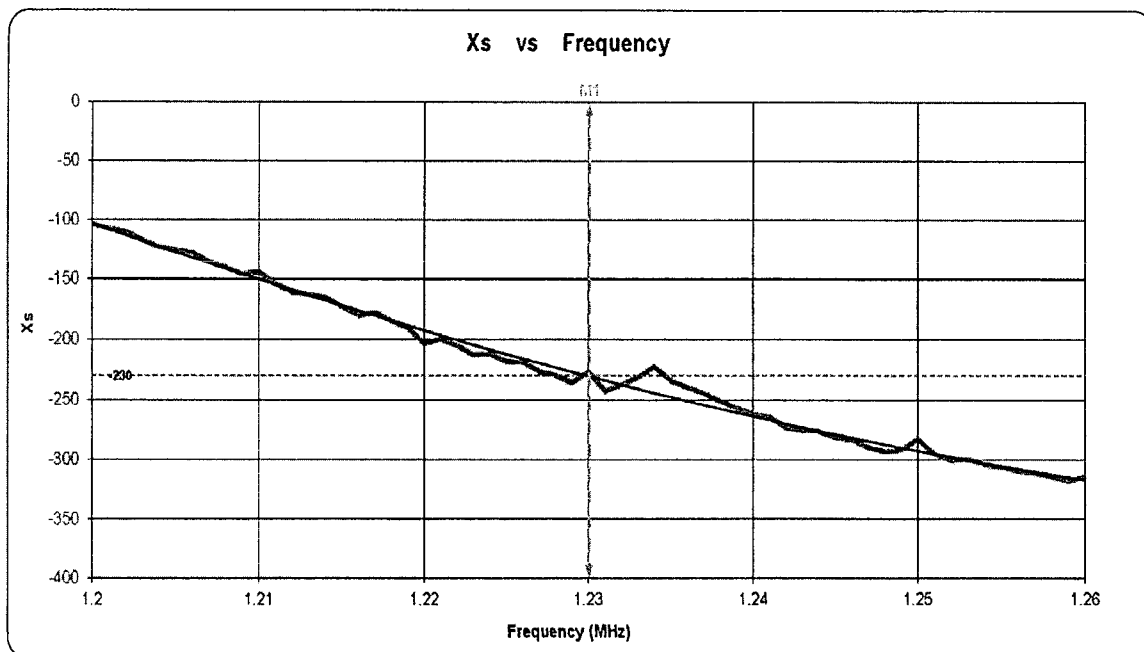
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Antenna Reactance Graph

WFOM-AM
Atlanta, GA
November 18, 2016

File: WFOM-DiplexerBelowMeter-11172016.csv





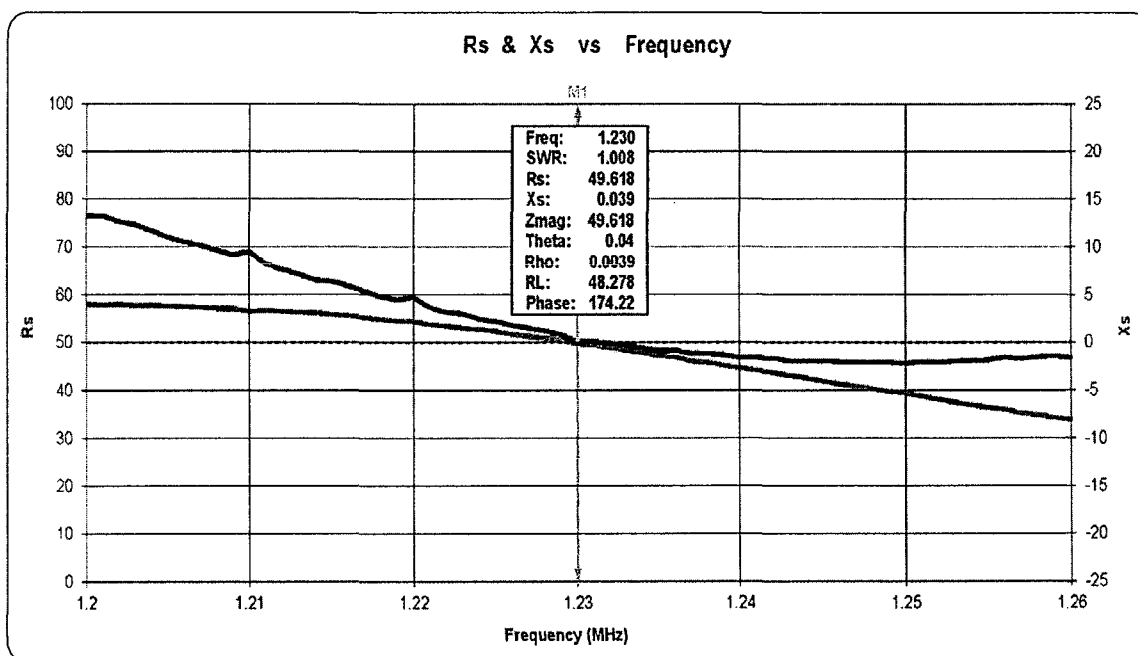
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ACU Input Impedance

WFOM-AM
Atlanta, GA
November 18, 2016

File: WFOM-ACU-11172016.csv





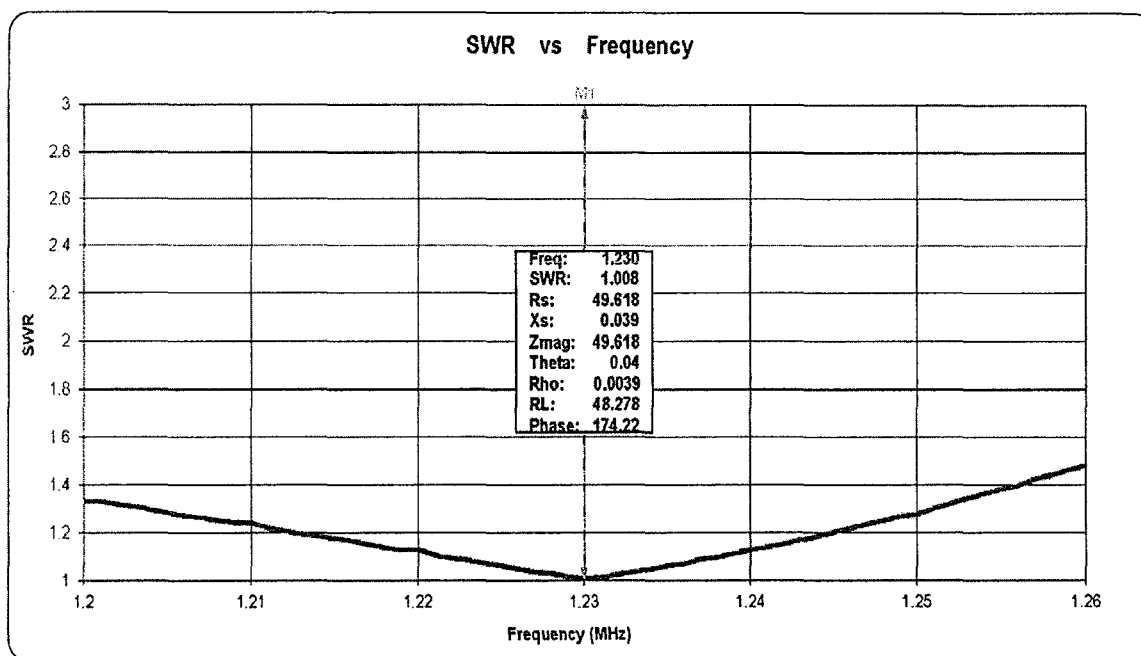
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ACU Input SWR

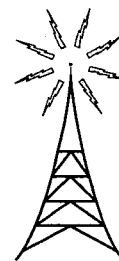
WFOM-AM
Atlanta, GA
November 18, 2016

File: WFOM-ACU-11172016.csv





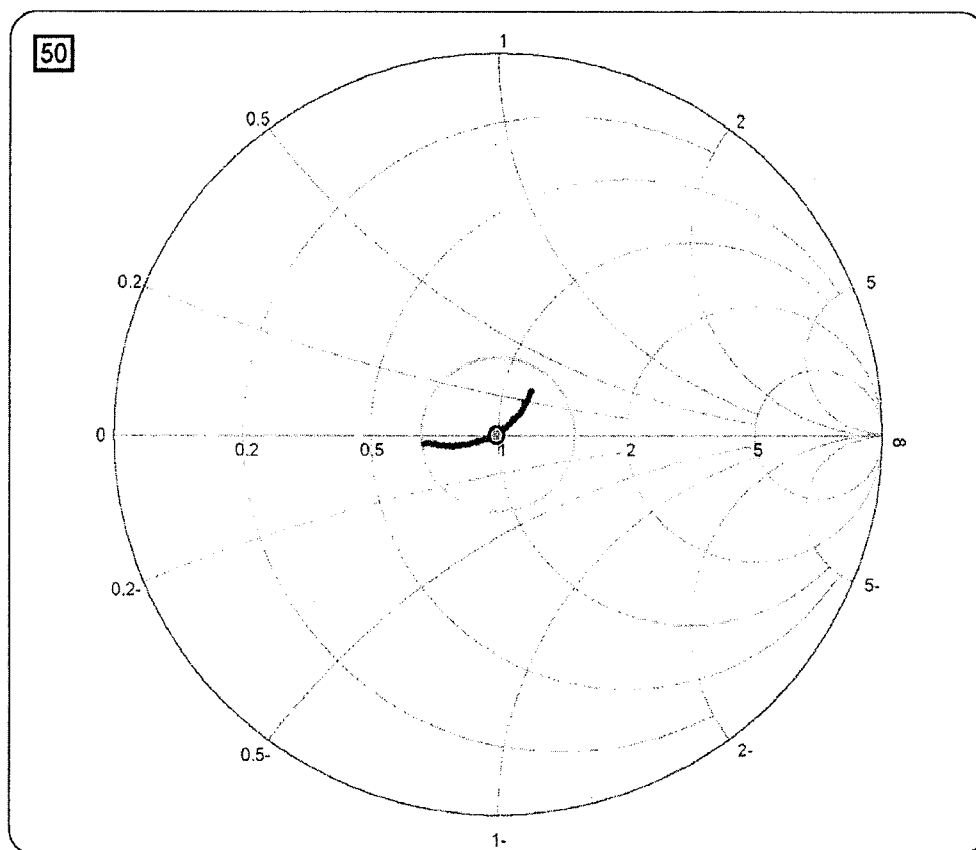
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Madison, GA 30650



ACU Input Smith

WFOM-AM
Atlanta, GA
November 18, 2016

File: WFOM-ACU-11172016.csv



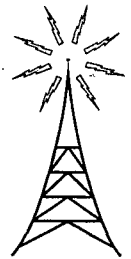
Zplots by AC6LA

11/18/2016 2:38 PM

<http://ac6la.com/>

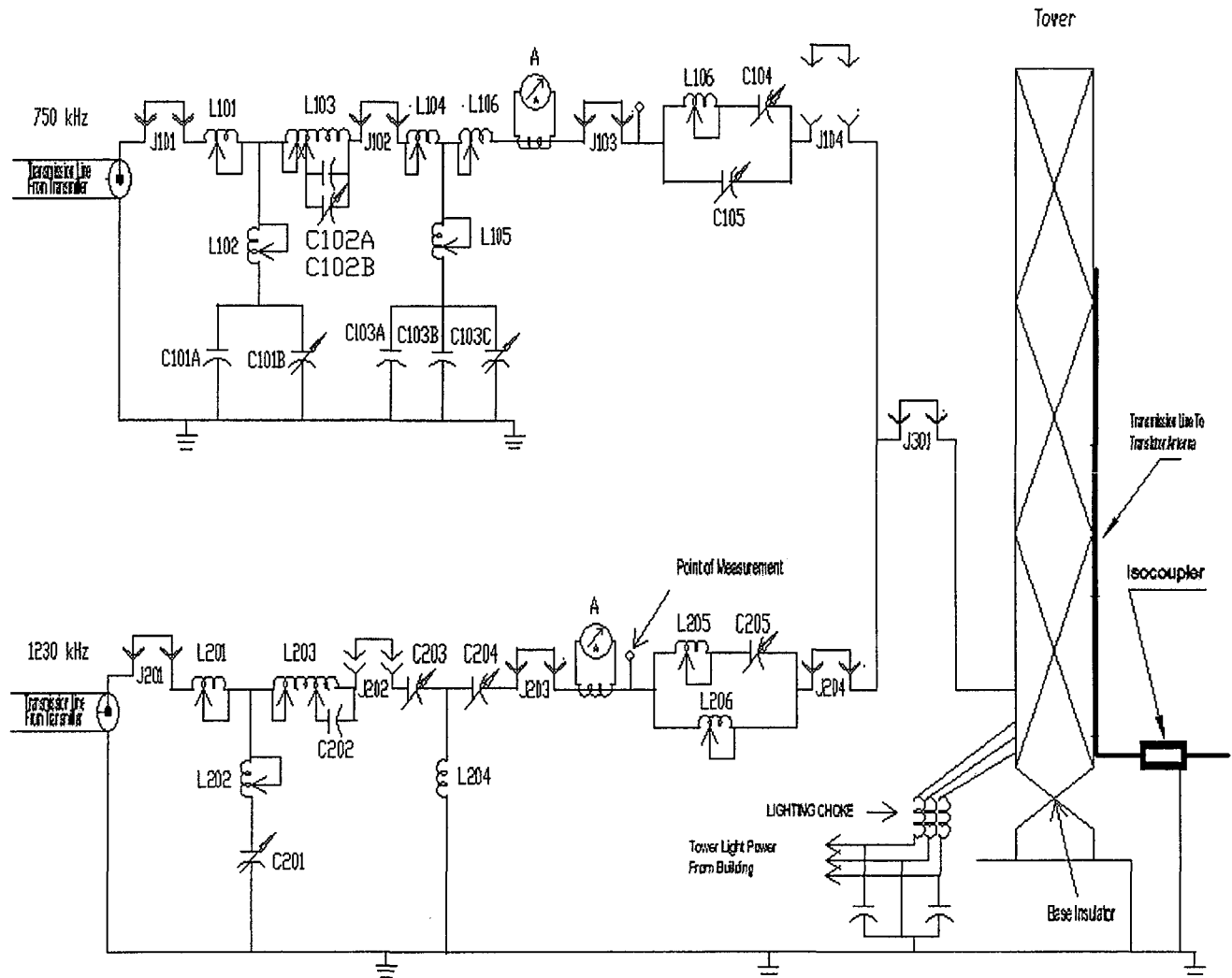


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Madison, GA 30650



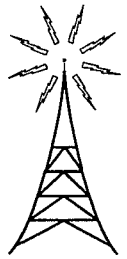
Antenna System Schematic

WFOM-AM
Atlanta, GA
November 18, 2016



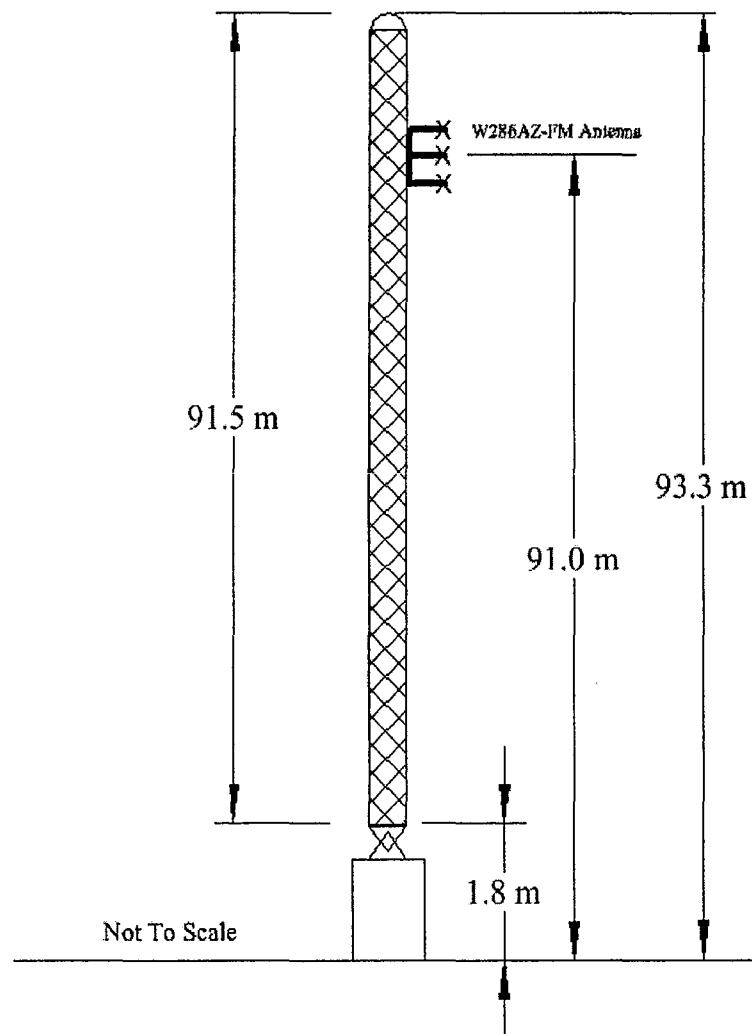


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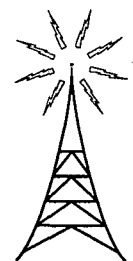
Tower Vertical Scketch

WFOM-AM
Atlanta, GA
November 18, 2016





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Madison, GA 30650



Equipment Used

WFOM-AM
Atlanta, GA
November 18, 2016

| <u>TYPE</u> | <u>MAKE</u> | <u>MODEL</u> | <u>SERIAL</u> | <u>CAL.</u> |
|---------------------------|---------------------------|---------------|---------------|-------------|
| Vector Impedance Analyzer | Kintronic/Array Solutions | Power Aim 120 | 1071 | 12/27/2015 |

The analyzer was calibrated using NIST traceable Short, Open, and 50 ohm standards at the end of 18 inch test leads. The same test leads were used for conducting the antenna resistance measurements.

The instrument frequency was calibrated using a Trimble GPS reference.

Calibration was verified immediately prior to the measurements, using the NIST traceable calibration kit.

Holland & Knight

800 17th Street, Suite 1100 | Washington, DC 20006 | T 202.955.3000 | F 202.955.5564
Holland & Knight LLP | www.hklaw.com

Charles R. Naftalin
(202) 457-7040
charles.naftalin@hklaw.com

November 30, 2016

Hand Delivered

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th St., S.W.
Washington, DC 20554

Re: WFOM(AM), Marietta, Georgia (Facility ID 72066)

Dear Ms. Dortch:

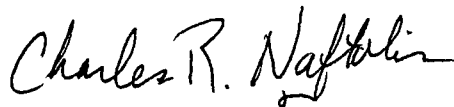
Transmitted herewith, on behalf of Dickey Broadcasting Company, the licensee of WFOM(AM), Marietta, Georgia, are an original and two copies of its application for a new station license (FCC 302-AM) to submit a direct measurement of power.

No filing fee is necessary for this application.

Please stamp-in the additional copy as proof of submission and return it via the courier.

In the event that there are questions concerning this matter, please communicate with this office.

Very truly yours,


Charles R. Naftalin

Enclosures

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