

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.

BZ-20170726 AUI

SECTION I - APPLICANT FEE INFORMATION

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

Bob Bittner Broadcasting, Inc.

MAILING ADDRESS (Line 1) (Maximum 35 characters)

P.O. Box 308

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

Bath

STATE OR COUNTRY (if foreign address)

ME

ZIP CODE

04530

TELEPHONE NUMBER (include area code)

207-444-6671

CALL LETTERS

OTHER FCC IDENTIFIER (If applicable)

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):

6146

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)
\$ 0.00

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
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(C)

\$ 0.00

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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

\$ 0.00

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6063731585

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Bob Bittner Broadcasting, Inc.		
MAILING ADDRESS P.O Box 308		
CITY Bath	STATE ME	ZIP CODE 04530

2. This application is for:

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

Call letters WJIB	Community of License Cambridge, MA	Construction Permit File No. NA	Modification of Construction Permit File No(s). NA	Expiration Date of Last Construction Permit NA
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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.

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.
Eng. Statement

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

☒ Does not apply

If No, explain in an Exhibit.

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 Robert M. Bittner	Signature 
Title President	Date 7/25/17
	Telephone Number 207-442-0647

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 (3060-0827), 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

BOB BITTNER BROADCASTING, INC.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐

Station License

☒

Direct Measurement of Power

1. Facilities authorized in construction permit					
Call Sign WJIB	File No. of Construction Permit (if applicable) N/A	Frequency (kHz) 740	Hours of Operation Unlimited	Power in kilowatts	
				Night 0.005	Day 0.25
2. Station location					
State Massachusetts			City or Town Cambridge		
3. Transmitter location					
State MA	County Middlesex		City or Town Cambridge	Street address (or other identification) 443 Concord Ave.	
4. Main studio location					
State MA	County Middlesex		City or Town Cambridge	Street address (or other identification) 443 Concord Ave.	
5. Remote control point location (specify only if authorized directional antenna)					
State	County		City or Town	Street address (or other identification)	

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. ENG.

8. Operating constants:					
RF common point or antenna current (in amperes) without modulation for night system 0.42			RF common point or antenna current (in amperes) without modulation for day system 2.95		
Measured antenna or common point resistance (in ohms) at operating frequency Night 28.8 Day 28.8			Measured antenna or common point reactance (in ohms) at operating frequency Night -40.0 Day -40.0		
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.
Self Supporting Tower	85.32	86.9	86.9	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 42 ° 23 ' 13 "	West Longitude 71 ° 08 ' 21 "
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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.
ENG.

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

Exhibit No.
ENG.


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.

Tower modification and FM antenna installation

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) Kurt Gorman	Signature (check appropriate box below) 
Address (include ZIP Code) Phasetek Inc. 550 California Rd., Unit 11 Quakertown, PA 18951	Date July 20, 2017 Telephone No. (Include Area Code) 215-536-6648



Technical Director



Registered Professional Engineer



Chief Operator



Technical Consultant



Other (specify)

ENGINEERING STATEMENT CONCERNING

**APPLICATION FOR
DIRECT MEASUREMENT OF POWER**

**WJIB, 740 KHZ
CAMBRIDGE, MA**

JULY, 2017

PHASETEK INC.
ENGINEERING STATEMENT CONCERNING
APPLICATION FOR
DIRECT MEASUREMENT OF POWER
WJIB, 740 KHZ
CAMBRIDGE, MA
JULY, 2017

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302-AM

ENGINEERING STATEMENT

FIGURE 1

PHASETEK INC.

ENGINEERING STATEMENT CONCERNING APPLICATION FOR DIRECT MEASUREMENT OF POWER WJIB, 740 KHZ CAMBRIDGE, MA JULY, 2017

SUMMARY

Tower impedance measurements were performed for Radio Station WJIB, 740 kHz, and an application for direct measurement of power has been done to support changes made to the station's transmitter site. This report was prepared on behalf of Bob Bittner Broadcasting, Inc., licensee of Radio Station WJIB.

SITE MODIFICATIONS

The WJIB Transmitter site is that as previously licensed. A new FM antenna and transmission line have been installed on the tower. In addition to the FM installation, the tower incorporates a center mounted 12" face stub. This was installed to optimize the tower impedance for the added duplex operation of Radio Station WNTN, 1550 kHz, under construction permit number BP-20150730ACM. The center of radiation for the FM antenna is 85 meters AGL. The tower remains series fed with the FM line attached to the center stub. The tower supports FM translator W252BT and its feed coaxial cable. The tower has painting and lighting. Lighting is isolated at the base with a choke. The tower registration number is: 1009551. Figure 1 shows the tower modifications.

MEASURING EQUIPMENT AND PERSONNEL

The Tower Resistance and Reactance measurements were made with a Delta Electronics OIB-3 Operating Impedance Bridge. Before use, tests of known impedances were made to verify operation. All measurements were taken by Mr. Grady Moates.

TOWER MEASUREMENT

Tower matching network output impedance: $28.8 - j 40.0$ ohms @ 740 kHz

Tower current: 2.95 A. Day, 0.42 A. Night

Input power: 250 W. Day, 5 W. Night

PHASETEK INC.

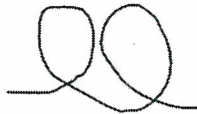
**ENGINEERING STATEMENT CONCERNING
APPLICATION FOR
DIRECT MEASUREMENT OF POWER
WJIB, 740 KHZ
CAMBRIDGE, MA
JULY, 2017**

GROUND SYSTEM DESCRIPTION

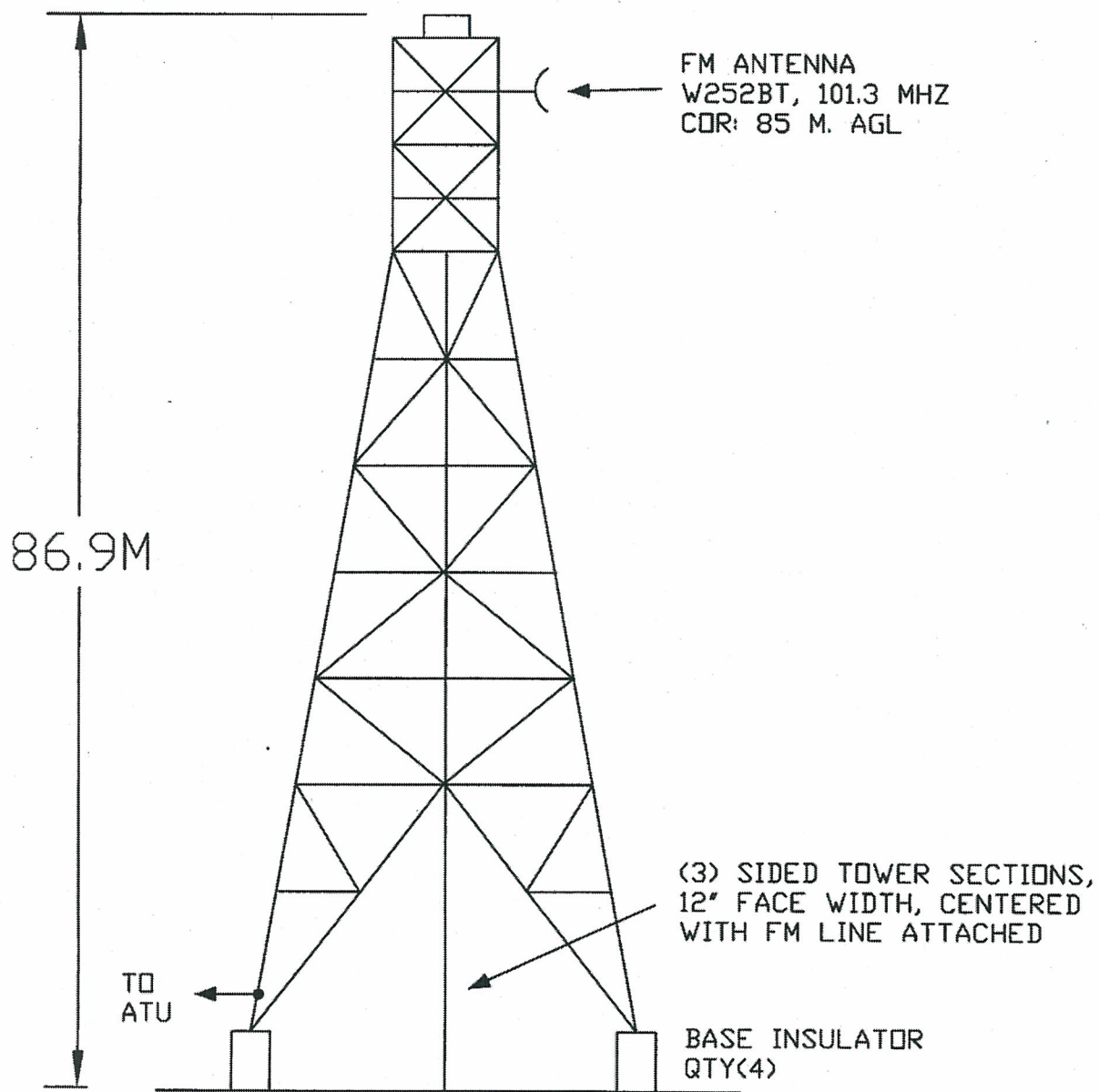
The ground system remains as previously licensed. Copper strap connects the tower base and all equipment.

CONCLUSION

It is believed that the WJIB Antenna System has been constructed and adjusted in accordance with all applicable Commission rules and regulations. The foregoing was prepared on behalf of Bob Bittner Broadcasting, Inc., under the immediate supervision of Kurt Gorman, Phasetek Inc., Quakertown, Pennsylvania, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



**Kurt Gorman, President
Phasetek Inc.
Quakertown, Pennsylvania**



TOWER ASRN: 1009551

PHASETEK INC.
FIGURE 1
TOWER ELEVATION
WJIB, 740 KHZ
JULY, 2017

ALLAN G. MOSKOWITZ, ESQ.

July 25, 2017

PLEASE
STAMP AND RETURN

Received & Inspected

JUL 26 2017

FCC Mailroom

Ms Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

950101
Re: Application for Direct Measurement of Power
Radio Station WJIB (AM)
Cambridge, MA
Facility ID No. 6146
Bob Bittner Broadcasting, Inc.


Dear Ms. Dortch:

On behalf of Bob Bittner Broadcasting, Inc., licensee of Radio Station WJIB(AM), Cambridge, Massachusetts, I am herewith submitting an original and two (2) copies of an application on Form 302-AM requesting Direct Measurement of Power for the station pursuant to Special Operating Condition 3 of Construction Permit BPFT-20160129AAE for FM Translator W267CE, Fac. ID No. 145374, Cambridge, MA.

No filing fee is required for this application.

Should any questions arise with respect to this matter, please contact the undersigned counsel.

Respectfully submitted,

By 
Allan G. Moskowitz

W267CE

Cc: WJIB(AM) Public File