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COUNSEL

MARK B. DENBO

DIRECT DIAL NUMBER: (202) 363-4560
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January 28, 2019

Marlene H. Dortch, Esquire
Secretary
Federal Communications Commission
445 12th Street, S.W.
Room TW-A325
Washington, D.C. 20554

Accepted / Filed

JAN 28 2019

Federal Communications Commission
Office of the Secretary

Re: Station WYBY(AM), Cortland, New York
Facility I.D. No. 9428
FCC Form 302-FM Application for License
Direct Measurement of Power

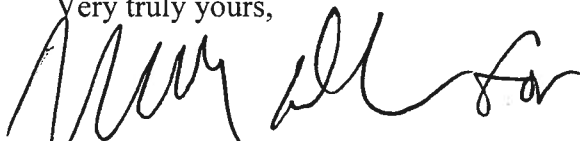
Dear Ms. Dortch:

Transmitted herewith in triplicate, on behalf of Bible Broadcasting Network, Inc. ("BBN"), licensee of Noncommercial Educational Radio Station WYBY(AM), Cortland, New York (Facility I.D. No. 9428), is FCC Form 302-AM Application for License – Direct Measurement of Power.

No fee is required for this application since BBN is a noncommercial educational licensee (See BML-20070105AEY) and this is an application for direct measurement of power.

If any question arises in connection with this submission, please contact undersigned counsel.

Very truly yours,



Gary S. Smithwick

Counsel for Bible Broadcasting Network, Inc.

GSS/sls
Enclosure

Accepted / Filed

FOR
FCC
USE
ONLY

JAN 28 2019

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.

BZ-20190128ACG

SECTION I - APPLICANT FEE INFORMATION

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

Bible Broadcasting Network, Inc.

MAILING ADDRESS (Line 1) (Maximum 35 characters)

11530 Carmel Commons Blvd.

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

Charlotte

STATE OR COUNTRY (if foreign address)

N.C.

ZIP CODE

28226

TELEPHONE NUMBER (include area code)

704-523-5555

CALL LETTERS

WYBY

OTHER FCC IDENTIFIER (if applicable)

9428

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:

Direct Measurement

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

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|------------------|
| 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)

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

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| 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

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| FOR FCC USE ONLY |
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00 66373 559

| | | |
|--|---------------|-------------------|
| SECTION II - APPLICANT INFORMATION | | |
| 1. NAME OF APPLICANT Bible Broadcasting Network, Inc. | | |
| MAILING ADDRESS 11530 Carmel Commons Blvd. | | |
| CITY Charlotte | STATE N.C. | ZIP CODE 28226 |

2. This application is for:

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

| | | | | |
|----------------------|--|-------------------------------------|---|---|
| Call letters WYBY | Community of License Cortland, New York | Construction Permit File No. N/A | Modification of Construction Permit File No(s). N/A | Expiration Date of Last Construction Permit N/A |
|----------------------|--|-------------------------------------|---|---|

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

☐ Yes ☐ No

Exhibit No.
N/A

If No, explain in an Exhibit.

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

☐ Yes ☐ No

Exhibit No.
N/A

If No, state exceptions in an Exhibit.

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

Exhibit No.
N/A

If Yes, explain in an Exhibit.

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

Exhibit No.
N/A

If No, explain in an Exhibit.

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

Exhibit No.
N/A

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.

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 Jason Padgett | Signature  | |
| Title Secretary-Treasurer | Date 1-28-19 | Telephone Number 704-523-5555 |

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

Bible Broadcasting Network, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐

Station License

☒

Direct Measurement of Power

1. Facilities authorized in construction permit

| Call Sign | File No. of Construction Permit (if applicable) | Frequency (kHz) | Hours of Operation | Power in kilowatts | |
|-----------|--|--------------------|--------------------|--------------------|--------|
| | | | | Night | Day |
| WYBY(AM) | N/A | 920 kHz | Unlimited | 0.5 kW | 1.0 kW |

2. Station location

| | |
|----------|--------------|
| State | City or Town |
| New York | Cortland |

3. Transmitter location

| | | | |
|----------|----------|---------------|---|
| State | County | City or Town | Street address (or other identification) |
| New York | Cortland | Cortlandville | Tower Road near Lash Road |

4. Main studio location

| | | | |
|----------------|-------------|--------------|---|
| State | County | City or Town | Street address (or other identification) |
| North Carolina | Mecklenburg | Charlotte | 11530 Carmel Commons Blvd |

5. Remote control point location (specify only if authorized directional antenna)

| | | | |
|----------------|-------------|--------------|---|
| State | County | City or Town | Street address (or other identification) |
| North Carolina | Mecklenburg | Charlotte | 11530 Carmel Commons Blvd |

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.

8. Operating constants:

| | |
|---|---|
| RF common point or antenna current (in amperes) without modulation for Night System | RF common point or antenna current (in amperes) without modulation for day system |
| 3.24 amperes | 4.40 amperes |
| Measured antenna or common point resistance (in ohms) at operating frequency | Measured antenna or common point reactance (in ohms) at operating frequency |
| Night 51.4 ohms Day 51.7 ohms | Night - j 6.2 ohms Day - j 5.2 ohms |

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 |
| SE - 1006742 - N1 | 0.0° | | 1.000 | | N/A | N/A |
| NW - 1006743 - N2/D1 | -137.0° | | 0.862 | | N/A | N/A |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Manufacturer and type of antenna monitor:

Potomac Instruments AM 19(204)

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. N1 = 80.7m N2/D1 = 80.7m | Overall height in meters above ground (without obstruction lighting) N1 = 81.4m N2/D1 = 81.4m | Overall height in meters above ground (include obstruction lighting) N1 = 82.3m N2/D1 = 82.3m | If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div>Exhibit No.</div> |
|---|--|--|--|---|
| Uniform, cross-section, guyed, steel towers mounted on equal base piers and insulators. | | | | |

Excitation



Series
(Insulated)



Shunt
(Grounded)

ASR(N1) = 1006742
ASR(N2/D1) = 1006743

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

| | | | | | | | |
|----------------|------|------|------|----------------|------|------|------|
| North Latitude | 42 ° | 33 ' | 22 " | West Longitude | 76 ° | 09 ' | 18 " |
|----------------|------|------|------|----------------|------|------|------|

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.

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

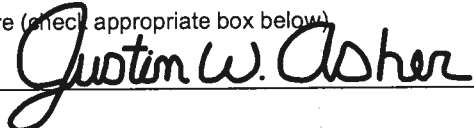
Exhibit No.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit? The apparatus, as constructed, does not differ from that licensed under BML-20070105AEY. This Form 302-AM is being filed solely to reflect a new daytime antenna resistance and nighttime common point measurement resulting from recent maintenance on the phasor and ATU's below the base insulators as previously notified in WYBY(AM) filing BSTA-20181121AAK. The applicant would like to note no actual construction on any tower has taken place, therefore 47 C.F.R. Section 1.30003 does not apply.

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

Pursuant to recent maintenance of the phasor and ATU's (below the base insulators), a change in the daytime antenna resistance and nighttime common point measurements have been noted and resubmitted herein. Concerning the nighttime common point measurement of 51.4 ohms -j 6.2, the common point was intentionally set slightly off 50 ohms +j 0 to better match the transmitter and at the advice of Nautel Inc. No change to the nighttime antenna monitor readings are necessary as all remaining nighttime parameters, including Monitor Field Points, were returned to or remain within licensed thresholds.

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) Justin W. Asher | Signature (check appropriate box below)  |
| Address (include ZIP Code) Asher Broadcast Consulting, LLC 579 Babcock Road Bronson, MI 49028-9347 | Date January 22, 2019 Telephone No. (Include Area Code) 1(202)875-2986 |

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (specify)

47 C.F.R. Section 73.45(c)(1)
Antenna Resistance & Common Point Measurements

WYBY(AM) 920 kHz
NDA Daytime
DAN Nighttime

Cortland, New York
Station Class: B
Facility ID: 9428

Daytime Operating Constants:

| DAYTIME | BML-20070105AEY Licensed Value(s) | Final Measurements 01/09/2019 |
|-------------------------------|---|---|
| Transmitter Power | 1,000 watts (nom.) 1,000 watts (input) | 1,000 watts (nom.) 1,000 watts (input) |
| Final Current | 4.54 amperes | 4.40 amperes |
| Antenna Resistance | 48.6 ohms | 51.7 ohms |
| Final PA Voltage | N/A | N/A |
| Antenna Monitor | Sample Current Ratio | Sample Current Ratio |
| SE Tower N1 (ASRN 1006742) | N/A | N/A |
| NW Tower N2/D1 (ASRN 1006743) | NDA Tower | NDA Tower |
| Antenna Phase | Degrees | Degrees |
| SE Tower N1 (ASRN 1006742) | N/A | N/A |
| NW Tower N2/D1 (ASRN 1006743) | NDA Tower | NDA Tower |

All 2019 Measurements taken by Roy Becker, Bible Broadcasting Network, Inc. Engineer for WYBY(AM) - Cortland, NY.

Nighttime Operating Constants:

| NIGHTTIME | BML-20070105AEY Licensed Value(s) | Final Measurements 01/09/2019 |
|-------------------------------|---------------------------------------|---------------------------------------|
| Transmitter Power | 500 watts (nom.) 540 watts (input) | 500 watts (nom.) 540 watts (input) |
| Final Current | 3.29 amperes | 3.24 amperes |
| Common Point Resistance | 50.0 ohms | 51.4 ohms |
| Final PA Voltage | N/A | N/A |
| Antenna Monitor | Sample Current Ratio | Sample Current Ratio |
| SE Tower N1 (ASRN 1006742) | 1.000 | 1.000 |
| NW Tower N2/D1 (ASRN 1006743) | 0.860 | 0.862 |
| Antenna Phase | Degrees | Degrees |
| SE Tower N1 (ASRN 1006742) | 0.0° | 0.0° |
| NW Tower N2/D1 (ASRN 1006743) | -137.0° | -137.0° |

All 2019 Measurements taken by Roy Becker, Bible Broadcasting Network, Inc. Engineer for WYBY(AM) - Cortland, NY.

Daytime Monitor Point Values:

| DAYTIME | BML-20070105AEY Licensed MP Limit | Final Measurements 01/09/2019 |
|---|--------------------------------------|----------------------------------|
| No Monitor Points Required for Daytime Nondirectional Operation | | |

Nighttime Monitor Point Values:

| NIGHTTIME | BML-20070105AEY Licensed MP Limit | Final Measurements 01/09/2019 |
|-------------------|--------------------------------------|----------------------------------|
| 072.5°T (6.20 km) | 8.81 mV/m | 7.20 mV/m |
| 090.0°T (3.65 km) | 4.00 mV/m | 2.70 mV/m |
| 156.0°T (3.89 km) | 32.69 mV/m | 27.00 mV/m |
| 225.5°T (5.47 km) | 12.38 mV/m | 6.10 mV/m |

All 2019 Measurements taken by Roy Becker, Bible Broadcasting Network, Inc. Engineer for WYBY(AM) - Cortland, NY.

CERTIFICATION OF TECHNICAL CONSULTANT: I declare, under penalty of perjury, that the contents of this report are true and accurate to the best of my knowledge and belief. I further certify I have over nineteen years of experience as a broadcast technical consultant before the Federal Communications Commission ("the FCC"); and am familiar with the Code of Federal Regulations Title 47 ("the Rules") as pertaining to this report and its contents herein. The underlying data utilized in this report was taken directly from FCC databases or indirectly through third party software vendors securing data directly from FCC databases. This firm cannot be held liable for errors or omissions resulting from the underlying data. The information contained herein is believed accurate to the date reported below.

January 22, 2019


Asher Broadcast Consulting LLC
justinasher@consultant.com
1(202)875-2986