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Federal Communications Commission
Washington, D. C. 20564

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FOR
FCC
USE
ONLY

AUG 29 2018

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)

Radio Power Inc.

MAILING ADDRESS (Line 1) (Maximum 35 characters)

3531 S. Logan Street

MAILING ADDRESS (Line 2) (Maximum 35 characters)

Suite D-320

CITY

Englewood

STATE OR COUNTRY (if foreign address)

CO

ZIP CODE

80113

TELEPHONE NUMBER (include area code)

9493122230

CALL LETTERS

WAMO

OTHER FCC IDENTIFIER (if applicable)

25732

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):

Application for direct measurement
of power

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)
\$

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)		
FEE TYPE CODE		

(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

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Radio Power Inc.		
MAILING ADDRESS 3531 S. Logan Street, Suite D-320		
CITY Englewood	STATE CO	ZIP CODE 80113

2. This application is for:

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

Call letters	Community of License	Construction Permit File No.	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit
WAMO	Wilkinsburg, PA	N/A	N/A	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

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

☒ 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.
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).

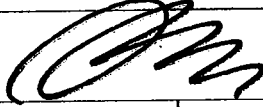
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

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 Timothy D. Martz	Signature 	
Title President	Date 8/29/18	Telephone Number 9493122230

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

Pittsburgh Public Media

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐ Station License

☒ Direct Measurement of Power

1. Facilities authorized in construction permit					
Call Sign WZUM	File No. of Construction Permit (if applicable)	Frequency (kHz) 1550	Hours of Operation U	Power in kilowatts	
				Night 0.004	Day 1.0
2. Station location					
State Pennsylvania			City or Town Braddock		
3. Transmitter location					
State PA	County Allegheny		City or Town Pittsburgh	Street address (or other identification) 251 Yost Blvd.	
4. Main studio location					
State PA	County Allegheny		City or Town South Park Township	Street address (or other identification) 2560 Brownsville Rd., #456	
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.

8. Operating constants:						
RF common point or antenna current (in amperes) without modulation for night system 0.131			RF common point or antenna current (in amperes) without modulation for day system 2.07			
Measured antenna or common point resistance (in ohms) at operating frequency			Measured antenna or common point reactance (in ohms) at operating frequency			
Night	Day		Night	Day		
234	234		-2	-2		
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
N/A						
Manufacturer and type of antenna monitor: N/A						

SECTION III - Page 2

9. Description of antenna system (If 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 steel tower	91	92	92	Exhibit No.

Excitation



Series



Shunt

Antenna Structure Registration Number 1225839

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

North Latitude	40 °	24 '	47 "	West Longitude	79 °	51 '	14 "
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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.

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

Exhibit No.

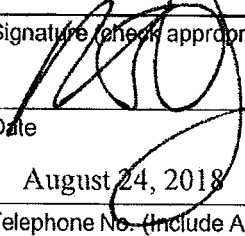
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

N/A

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

Installation of FM translator antenna and transmission line (BPFT-20160129AWW).

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)	Signature (check appropriate box below)
R. Stuart Graham	
Address (include ZIP Code)	Date
Graham Brock, Inc.	August 24, 2018
P. O. Box 24466	Telephone No. (Include Area Code)
St. Simons Island	912-638-8028

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (specify)

ANTENNA RESISTANCE MEASUREMENTS

WZUM-AM
BRADDOCK, PENNSYLVANIA
1550 KHZ
AUGUST 2018

EXHIBIT #1
RETURN TO DIRECT MEASUREMENT OF POWER
PITTSBURG PUBLIC MEDIA
WZUM AM RADIO STATION
1550 KHZ - 0.004/1.0 KW
BRADDOCK, PENNSYLVANIA
August 2018

Christopher E. Hudak, Broadcast Engineering Services

At the request of Martz Communications and on behalf of WZUM-AM Radio, Braddock, Pennsylvania, antenna resistance measurements were made on August 18, 2018 for the purpose of re-establishing direct power measurements after the installation of two (2) FM translator antenna systems and associated hardware side mounted on the WAMO / WZUM AM radiator. The series fed radiator is comprised of a 91 meter guyed tower (ASRN # 1225839) representing 170.2 electrical degrees at the WZUM-AM operating frequency of 1550 Khz.. WAMO-AM operating on 660 Khz owned and operated by Martz Communications is also diplexed onto the above mentioned radiator. The ground system consists of industry standard 120 quarter wave #10 solid copper wire. All connections are bonded with four inch copper strap at the base of the tower and tied to the transmitting equipment.

The following report includes the necessary measurement data to establish the new operating parameters for WZUM-AM at 1.0KW.

The resistance measurements were made with a Vector Network Analyzer, model 2180. A sketch showing the method of connection while making the measurements is also attached. Prior to use, the instrument was checked for accuracy against external standards and cross checked with a Delta Operating impedance bridge.

Attached hereto are the tabulations of the resistance measurements obtained at the measurement location.

The affiant states that he is a qualified broadcast engineer and understands the operation of the test equipment. That the foregoing engineering information was prepared by him, that he believes it to be true and correct; and that his qualifications are a matter of record before the Federal Communications Commission.

Digitally signed by Christopher E. Hudak
DN: cn=Christopher E. Hudak, c=US, o=CEH Electronics, email=Chudak@Windstream.net
Date: 2018.08.21 09:10:03 -0400

Christopher E. Hudak
C-E-Hudak

Christopher E. Hudak

Christopher E. Hudak. Broadcast Engineering Services

ANTENNA RESISTANCE MEASUREMENTS
WZUM-AM, BRADDOCK, PENNSYLVANIA
1550 KHZ 1.0 KW DAY / 0.004KW NIGHT
AUGUST 2018

<u>Frequency</u> <u>Khz</u>	<u>Resistance</u> <u>Ohms</u>
1525	240.3
1530	236.7
1535	235.8
1540	235.4
1545	235.2
1550	**234**
1555	236.3
1560	237.5
1565	245
1570	278
1575	294
1580	310.5

Reactance at 1550 Khz = - 2 ohms @ Antenna J6-Plug

ANTENNA BASE CURRENT CALCULATIONS FOR 1550 KHZ

DAY

<u>Power Output</u> <u>Watts</u>	<u>Antenna Base Current</u> <u>Amperes</u>
1050W	2.12A
1000W	**2.07A**
900W	1.96A

NIGHT

<u>Power Output</u> <u>Watts</u>	<u>Antenna Base Current</u> <u>Amperes</u>
4.2W	0.134A
4W	**0.131A**
3.6W	0.124A

