

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.

SECTION I - APPLICANT FEE INFORMATION

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

ASIAN AMERICAN BROADCASTING, LLC

MAILING ADDRESS (Line 1) (Maximum 35 characters)

636 MONTANA AVE E

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

ST. PAUL

STATE OR COUNTRY (if foreign address)

MN

ZIP CODE

55130

TELEPHONE NUMBER (include area code)

612 810 6412

CALL LETTERS

KFXN

OTHER FCC IDENTIFIER (If applicable)

10141

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		
M	M	R

(B)

FEE MULTIPLE			
0	0	0	1

(C)

FEE DUE FOR FEE TYPE CODE IN COLUMN (A)
\$ 645.00

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)

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(B)

0	0	0	1
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(C)

\$

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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

\$ 645.00

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SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT ASIAN AMERICAN BROADCASTING, LLC		
MAILING ADDRESS 636 MONTANA AVE E		
CITY ST. PAUL	STATE MN	ZIP CODE 55130

2. This application is for:

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

Call letters KFXN	Community of License ST. PAUL	Construction Permit File No. BP-20201013AAF	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit 1/14/2024
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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. 1

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.

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 Kongsue Xiong	Signature 
Title President	Date 8-6-2021 Telephone Number 612-810-6412

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

Asian American Broadcasting, LLC

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)



Station License



Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign KFXN	File No. of Construction Permit (if applicable) BP-20201013AAF	Frequency (kHz) 690 kHz	Hours of Operation unlimited time	Power in kilowatts	
				Night 0.005	Day 1.7

2. Station location

State Minnesota	City or Town Minneapolis
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3. Transmitter location

State MN	County Hennepin	City or Town New Hope	Street address (or other identification) 7908 - 36th Ave. N
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4. Main studio location

State	County No Longer Required	City or Town	Street address (or other identification)
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5. Remote control point location (specify only if authorized directional antenna)

State	County Not Applicable	City or Town	Street address (or other identification)
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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. Not Applicable

Exhibit No.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system Transmitter True Power Output Meter 0.005 kW	RF common point or antenna current (in amperes) without modulation for day system Transmitter True Power Output Meter 1.7 kW
Measured antenna or common point resistance (in ohms) at operating frequency Night 50.0 Day 50.0	Measured antenna or common point reactance (in ohms) at operating frequency Night +/- J 0 Day +/- J 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 Uniform Cross Section Guyed Tower ASRN 1035301	Overall height in meters of radiator above base insulator, or above base, if grounded. 91.4 M	Overall height in meters above ground (without obstruction lighting) 94.2 M	Overall height in meters above ground (include obstruction lighting) 95.1 M	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div style="border: 1px solid black; padding: 2px; display: inline-block;">Exhibit No. DNA</div>
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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	45 °	01 '	24 "	West Longitude	93 °	22 '	53 "
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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 Stmt.

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

Exhibit No.
Eng Stmt.

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

None - See attached engineering statement

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

Change from Directional to Non-Directional Antenna

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) Benj. F. Dawson III	Signature (check appropriate box below) 
Address (include ZIP Code) c/o Hatfield & Dawson Consulting Engineers 9500 Greenwood Ave. N. Seattle, WA 98103	Date August 6, 2021
	Telephone No. (Include Area Code) 206 783 9251 ext 108

☐ Technical Director

☒ Registered Professional Engineer

☐ Chief Operator

☐ Technical Consultant

☒ Other (specify) **Consulting Engineer**

ASIAN AMERICAN BROADCASTING, LLC
AM Station KFXN, Fac ID 10141, St. Paul MN
Form 302-AM Application for License
Covering FCC File No. BP-20201013AAF
Response to Section II, Item 3
August 2021
EXHIBIT 1

REQUEST FOR PROGRAM TEST AUTHORITY

KFXN is not now operating pursuant to Automatic Program Test Authority because special operating condition number 3 of the underlying construction permit requires the submission of a separate showing, which is provided in the engineering statement.

Accordingly, Program Test Authority is respectfully requested.

STEPHEN S. LOCKWOOD, PE, PMP

THOMAS M. ECKELS, PE
THOMAS S. GORTON, PE

JAMES B. HATFIELD, PE
BENJAMIN F. DAWSON III, PE
ERIK C. SWANSON, PE, PMP
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MAURY L. HATFIELD, PE
(1942-2009)
PAUL W. LEONARD, PE
(1925-2011)

ENGINEERING STATEMENT

Radio Station KFXN
Minneapolis, MN
Facility ID # 10141

BP-20201013AAF
Construction Permit Condition #3
And Related License Application Matters

August 6, 2021

ENGINEERING STATEMENT

The outstanding construction permit BP-20201013AAF contains as condition 3 the following requirement:

"Before program tests are authorized, permittee shall dismantle the unused taller tower, or in lieu thereof, submit a proof of performance to establish that the proposed radiation pattern is essentially omnidirectional. The proof shall include at least six approximately equally-spaced radials with sufficient close-in points that the inverse distance fields can be clearly established."

If the now unused western tower were new construction it would come under the requirements of §1.30002 of the rules:

"§1.30002(a) Proponents of construction or significant modification of a tower which is within one wavelength of a nondirectional AM station, and is taller than 60 electrical degrees at the AM frequency, must notify the AM station at least 30 days in advance of the commencement of construction. The proponent shall examine the potential impact of the construction or modification as described in paragraph (c) of this section. If the construction or modification would distort the radiation pattern by more than 2 dB,

(c) Proponents of construction or significant modification of a tower within the distances defined in paragraphs (a) and (b) of this section of an AM station shall examine the potential effects thereof using a moment method analysis. The moment method analysis shall consist of a model of the AM antenna together with the potential re-radiating tower in a lossless environment. The model shall employ the methodology specified in §73.151(c) of this chapter, except that the AM antenna elements may be modeled as a series of thin wires driven to produce the required radiation pattern, without any requirement for measurement of tower impedances."

This now unused tower is 90 electrical degrees in height (75.8° physical, 14.2° toploading), and is located at a bearing of 285 degrees true at a distance of 200 degrees from the newly authorized omnidirectional antenna. The attached moment method model results, prepared per the requirements of §1.30002, demonstrate that the isolated ("floated") unused tower, whose only termination is the base insulator capacitance, modifies the KFXN omnidirectional pattern by only +0.43 dB/-0.11 dB from the RMS value, in complete compliance with the §1.30002 requirement, and fully meeting the requirement of condition 3 of the construction permit.

FCC Form 302-AM Paragraph 9 requests data on other antennas on the authorized antenna tower, and ground system details. The 1035301 ARN tower also supports the antennas of KMWA(FM) and K285CQ, and no changes in the operation of these two facilities has occurred. The ground system is unchanged from that of the licensed 3 element directional antenna, with 120 radials each 90+ degrees in length around each tower.

The Nautel ND1 and NX3 transmitters employed by KFXN have true power output metering, values for which are shown in paragraph 8 of the Form 302, per §73.51(a)(1) of the Commission's rules.

August 6, 2021



Benj. F. Dawson III, P.E.

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GEOMETRY

Wire coordinates in degrees; other dimensions in meters

Environment: perfect ground

wire	caps	Distance	Angle	Z	radius	segs
1	none	0	0	0	.291	20
		0	0	90.		
2	none	200.	285.	0	.291	20
		200.	285.	90.		

Number of wires = 2
current nodes = 40

	minimum		maximum	
Individual wires	wire	value	wire	value
segment length	1	4.5	1	4.5
radius	1	.291	1	.291

ELECTRICAL DESCRIPTION

Frequencies (KHz)

frequency			no. of	segment length (wavelengths)	
no.	lowest	step	steps	minimum	maximum
1	690.	0	1	.0125	.0125

Sources

source	node	sector	magnitude	phase	type
1	1	1	1.	0	voltage

Lumped loads

load	node	resistance (ohms)	reactance (ohms)	inductance (mH)	capacitance (uF)	passive circuit
1	21	0	-9,500.	0	0	0

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RADIATION PATTERN rms
geographic coordinate system

Radial distance (meters) = 1,000.

Frequency = 690. KHz

Input power = 1,700. watts

Efficiency = 100. %

elevation	azimuth	E-theta		E-phi	
angle	angle	mag (mv/m)	phase (deg)	mag (mv/m)	phase
0	0	394.94	58.9	0	0
0	5.	395.139	59.5	0	0
0	10.	396.492	60.	0	0
0	15.	398.893	60.4	0	0
0	20.	402.101	60.7	0	0
0	25.	405.775	60.9	0	0
0	30.	409.54	60.9	0	0
0	35.	413.039	60.7	0	0
0	40.	415.99	60.4	0	0
0	45.	418.209	60.1	0	0
0	50.	419.62	59.7	0	0
0	55.	420.248	59.3	0	0
0	60.	420.191	58.9	0	0
0	65.	419.6	58.5	0	0
0	70.	418.644	58.2	0	0
0	75.	417.491	58.	0	0
0	80.	416.291	57.8	0	0
0	85.	415.166	57.7	0	0
0	90.	414.21	57.6	0	0
0	95.	413.487	57.5	0	0
0	100.	413.037	57.5	0	0
0	105.	412.886	57.5	0	0
0	110.	413.037	57.5	0	0
0	115.	413.487	57.5	0	0
0	120.	414.21	57.6	0	0
0	125.	415.166	57.7	0	0
0	130.	416.291	57.8	0	0
0	135.	417.491	58.	0	0
0	140.	418.644	58.2	0	0
0	145.	419.6	58.5	0	0
0	150.	420.191	58.9	0	0
0	155.	420.248	59.3	0	0
0	160.	419.62	59.7	0	0
0	165.	418.209	60.1	0	0
0	170.	415.99	60.4	0	0
0	175.	413.039	60.7	0	0

0	180.	409.54	60.9	0	0
0	185.	405.775	60.9	0	0
0	190.	402.101	60.7	0	0
0	195.	398.893	60.4	0	0
0	200.	396.492	60.	0	0
0	205.	395.139	59.5	0	0
0	210.	394.94	58.9	0	0
0	215.	395.851	58.4	0	0
0	220.	397.698	58.	0	0
0	225.	400.217	57.6	0	0
0	230.	403.111	57.4	0	0
0	235.	406.098	57.3	0	0
0	240.	408.945	57.3	0	0
0	245.	411.491	57.4	0	0
0	250.	413.641	57.6	0	0
0	255.	415.367	57.7	0	0
0	260.	416.686	57.9	0	0
0	265.	417.646	58.	0	0
0	270.	418.307	58.2	0	0
0	275.	418.728	58.3	0	0
0	280.	418.96	58.3	0	0
0	285.	419.033	58.3	0	0
0	290.	418.96	58.3	0	0
0	295.	418.728	58.3	0	0
0	300.	418.307	58.2	0	0
0	305.	417.646	58.	0	0
0	310.	416.686	57.9	0	0
0	315.	415.367	57.7	0	0
0	320.	413.641	57.6	0	0
0	325.	411.491	57.4	0	0
0	330.	408.945	57.3	0	0
0	335.	406.098	57.3	0	0
0	340.	403.111	57.4	0	0
0	345.	400.217	57.6	0	0
0	350.	397.698	58.	0	0
0	355.	395.851	58.4	0	0
0	360.	394.94	58.9	0	0