

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)

Pan American Broadcasting Co., Inc.

MAILING ADDRESS (Line 1) (Maximum 35 characters)

PO Box 4338 (5010 4th ST NW)

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY **Albuquerque**

STATE OR COUNTRY (if foreign address)
New Mexico

ZIP CODE
87196

TELEPHONE NUMBER (include area code)
505-345-7373

CALL LETTERS
KDAZ

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):

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)
\$

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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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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
\$

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SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT PAN AMERICAN BROADCASTING CO., INC.		
MAILING ADDRESS P.O. BOX 4338 (5010 4TH ST NW)		
CITY ALBUQUERQUE	STATE NM	ZIP CODE 87196

2. This application is for:

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

Call letters KDAZ	Community of License ALBUQUERQUE	Construction Permit File No. BMP-20200629AAK	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit 9-17-2023
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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).

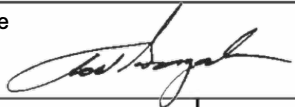
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

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 TED GONZALES	Signature 	
Title PRESIDENT	Date 5-21-2021	Telephone Number 505-345-7373

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

PAN AMERICAN BROADCASTING CO., INC.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)



Station License



Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign KDAZ	File No. of Construction Permit (if applicable) BMP-20200629AAK	Frequency (kHz) 700	Hours of Operation Daytime with Secondary nighttime	Power in kilowatts	
				Night 0.055	Day 0.45

2. Station location

State NM	City or Town ALBUQUERQUE
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3. Transmitter location

State NM	County BERNALILLO	City or Town ALBUQUERQUE	Street address (or other identification) 4700 COORS BLVD SW
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4. Main studio location

State NM	County BERNALILLO	City or Town ALBUQUERQUE	Street address (or other identification) 5010 4TH ST NW
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5. Remote control point location (specify only if authorized directional antenna)

State	County	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.

Exhibit No.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system 1.16	RF common point or antenna current (in amperes) without modulation for day system 3.31
Measured antenna or common point resistance (in ohms) at operating frequency Night 41 Day 41	Measured antenna or common point reactance (in ohms) at operating frequency Night -30 Day -30

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 GUYED TOWER	Overall height in meters of radiator above base insulator, or above base, if grounded. 91.3	Overall height in meters above ground (without obstruction lighting) 92.3	Overall height in meters above ground (include obstruction lighting) 93.3	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div>Exhibit No.</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 35 ° 00 ' 31 "	West Longitude 106 ° 42 ' 52 "
----------------------------------------------------	-----------------------------------------------------

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?

NO CHANGES. SEE EXHIBIT 1 FOR COMPLIANCE WITH CONDITIONS.

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

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) DON DAVIS	Signature (check appropriate box below)
Address (include ZIP Code) 721 WELLESLEY NE Albuquerque, NM 87106	Date 5-20-2021
	Telephone No. (Include Area Code) 505-261-0130

☐

Technical Director

☐

Registered Professional Engineer

☐

Chief Operator

☒

Technical Consultant

☐

Other (specify)

EXHIBIT 1 – CONDITIONS COMPLIANCE

Page 1

AM STATION KDAZ, ALBUQUERQUE NM APPLICATION FOR AM BROADCAST STATION LICENSE FORM FCC 302-AM

This Exhibit is prepared in response the Conditions shown on the “AM Broadcast Station Construction Permit”, file no. BMP-20200629AAK. **By this application, Program Test Authority is respectfully requested.**

The Construction Permit is appended to this Exhibit. Compliance with the seven conditions of the Construction Permit is as follows:

1. A Type-accepted transmitter, a Broadcast Electronics type AM-1A has been installed.
2. This License Application is being filed prior to the expiration of the Construction Permit.
3. KDAZ is co-located with AM station KJFA. Procedures are in place to reduce power or suspend broadcasting as necessary to protect maintenance personnel.
4. The 1 V/m blanketing contour of each station extends only a short distance, and the implementation of this construction permit reduces the operating power of KDAZ to under half its previously licensed power. Therefore, it is unlikely there will be any new complaints of blanketing interference. In the event complaints are received, the licensees of both stations will cooperate to satisfy such complaints.
5. The isolation filters of both station KDAZ and KJFA have been adjusted to minimize interaction and intermodulation between the stations. Spurious emission measurements were performed close-in to the tower, and the results are shown below. The two stations were first co-located in 2013 and have operated successfully in the time since.
6. The ground system exists as specified in this condition.
7. Non-directional proof of performance field measurements were taken to verify a lack of directivity which could have been caused by the second tower on the property. The second tower is “floating”; it has no connection other than the lighting choke. The results of the non-directional proof of performance are tabulated and graphed on the following pages.

EXHIBIT 1 – CONDITIONS COMPLIANCE

Page 2

AM STATION KDAZ, ALBUQUERQUE NM APPLICATION FOR AM BROADCAST STATION LICENSE FORM FCC 302-AM

SPURIOUS PRODUCTS MEASUREMENTS

Spurious emission and intermodulation tests were taken at a location 0.31 Km. at an orientation of 11 degrees true from the shared tower in a clear area without poles or overhead wires (parking lot). A Potomac FIM-41 field strength meter was used to tune from 530 kHz. to 5000 kHz. to determine the level of any spurious emissions from either KDAZ or co-located KJFA. The two primary intermodulation frequencies are 540 kHz. and 980 kHz.

The measured field from KDAZ at the parking lot was 570 mV while the field from KJFA was 1,020 mV.

At 540 kHz. there was no detectable signal from either station; rather KNMX, a station 153 Km. distant was heard.

At 980 kHz. a product from KDAZ was heard below KMIN, a station 106 Km. distant. Upon nulling KMIN, a field reading of 0.14 Mv. was detected. This represents a spurious signal that is 77.2 dB down from the higher power station, KJFA.

No other discernable spurious signals were observed.

From Rule Section 73.44, any spurious emissions are to be reduced 70 db from 450 - watt KDAZ and 76 db from 1,800 watt KJFA. Thus, the spurious emissions at the measurement point are below the limits specified in Section 73.44 of the Commission's Rules.

DEMONSTRATION OF NON-DIRECTIONAL PERFORMANCE

The KDAZ construction permit specifies that field measurements will be taken in six or more directions from the shared tower to demonstrate that the remaining tower is not directionalizing the signal from KDAZ. In this case, close-in and more distant measurements were taken as measurements were taken in the directions of 0, 60, 120, 180, 240 and 300 degrees true, as shown in the chart below.

Prior to taking the measurements, operation of KDAZ at the permitted daytime power of 0.450 kilowatts was verified.

For co-located AM station KJFA, no change in the tower resistance was noted, therefore an application for direct measurement of power for KJFA is filed.

EXHIBIT 1 – CONDITIONS COMPLIANCE

Page 3

AM STATION KDAZ, ALBUQUERQUE NM APPLICATION FOR AM BROADCAST STATION LICENSE FORM FCC 302-AM

Measurements taken 15 meters from the disconnected tower reveal that a null of at least 30 db will occur at a right angle to the radiating tower. Thus, re-radiation from the disconnected (floating) tower is demonstrated to be minimal.

The following is a tabulation of the field measured each 60 degrees. The field in each direction is shown, an average of the six directions is shown, and the deviation from the average in decibels is shown as well. Your consultant's experience in the Albuquerque area is that a conductivity of 8 mS/m is expected, and the measurements of KDAZ agree with that assessment.

At the low frequency of KDAZ (700 kHz.), minimal re-radiation from objects, structures, and power lines is observed, leading to measurements with a minimum of "scatter". The deviation of each radial from the average is a maximum of only +0.31 dB from the average. **Therefore, substantially non-directional operation of KDAZ as constructed is demonstrated.**

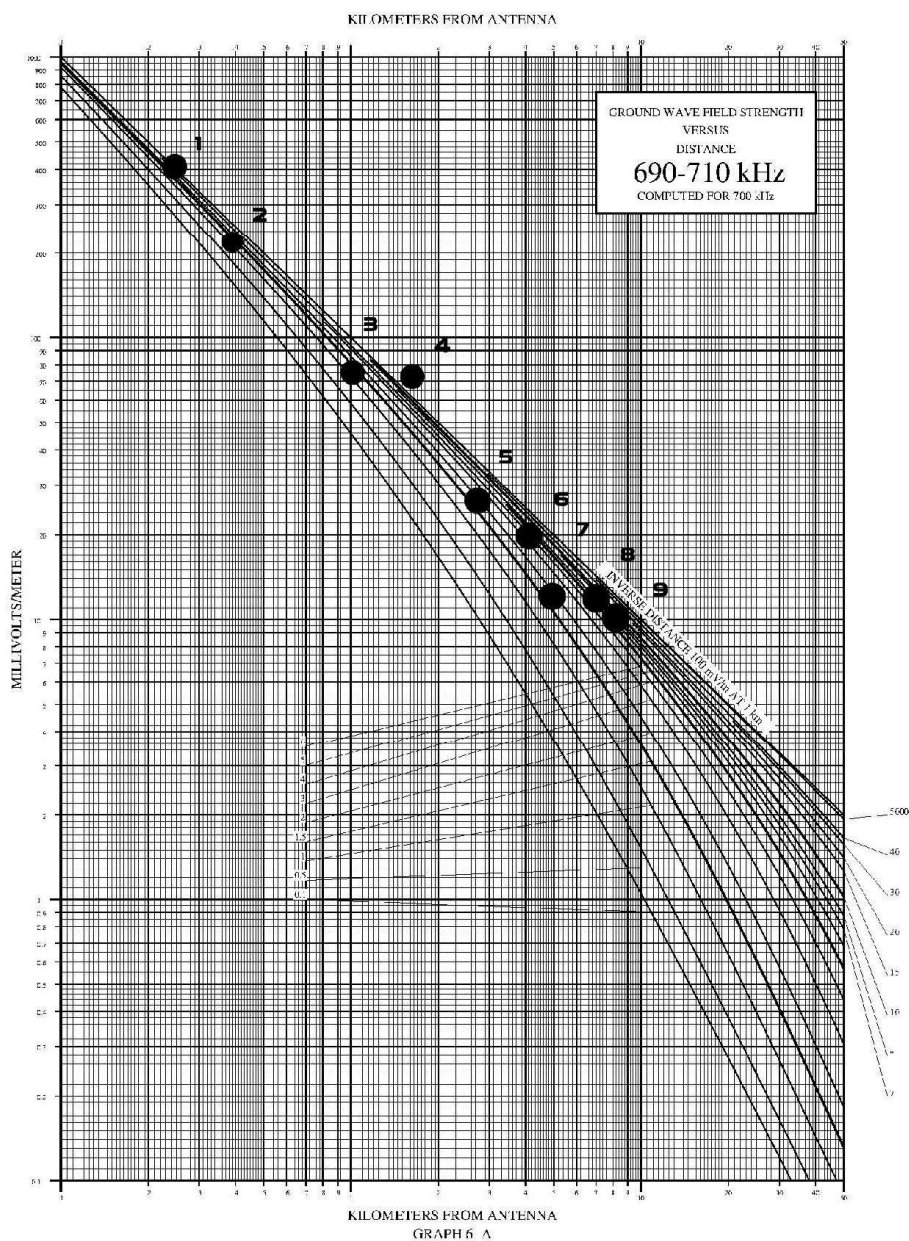
<u>Direction</u>	<u>Field mV/m</u>	<u>Average mV/m</u>	<u>Deviation in dB</u>
0	182	183.2	-0.05 dB
60	190	183.2	+0.31 dB
120	178	183.2	-0.25 dB
180	180	183.2	-0.15 dB
240	181	183.2	-0.10 dB
300	188	183.2	+0.22 dB

0 degrees true, graph normalized to 182 mV/M at 1 Km., 8 mS/m

Distance in Km. Field Intensity

0.25	790
0.39	400
1.16	138
1.60	105
2.78	49
4.05	36
4.81	26.2
6.70	26
8.00	18.5

KDAZ 0 DEGREES / 182 MV.

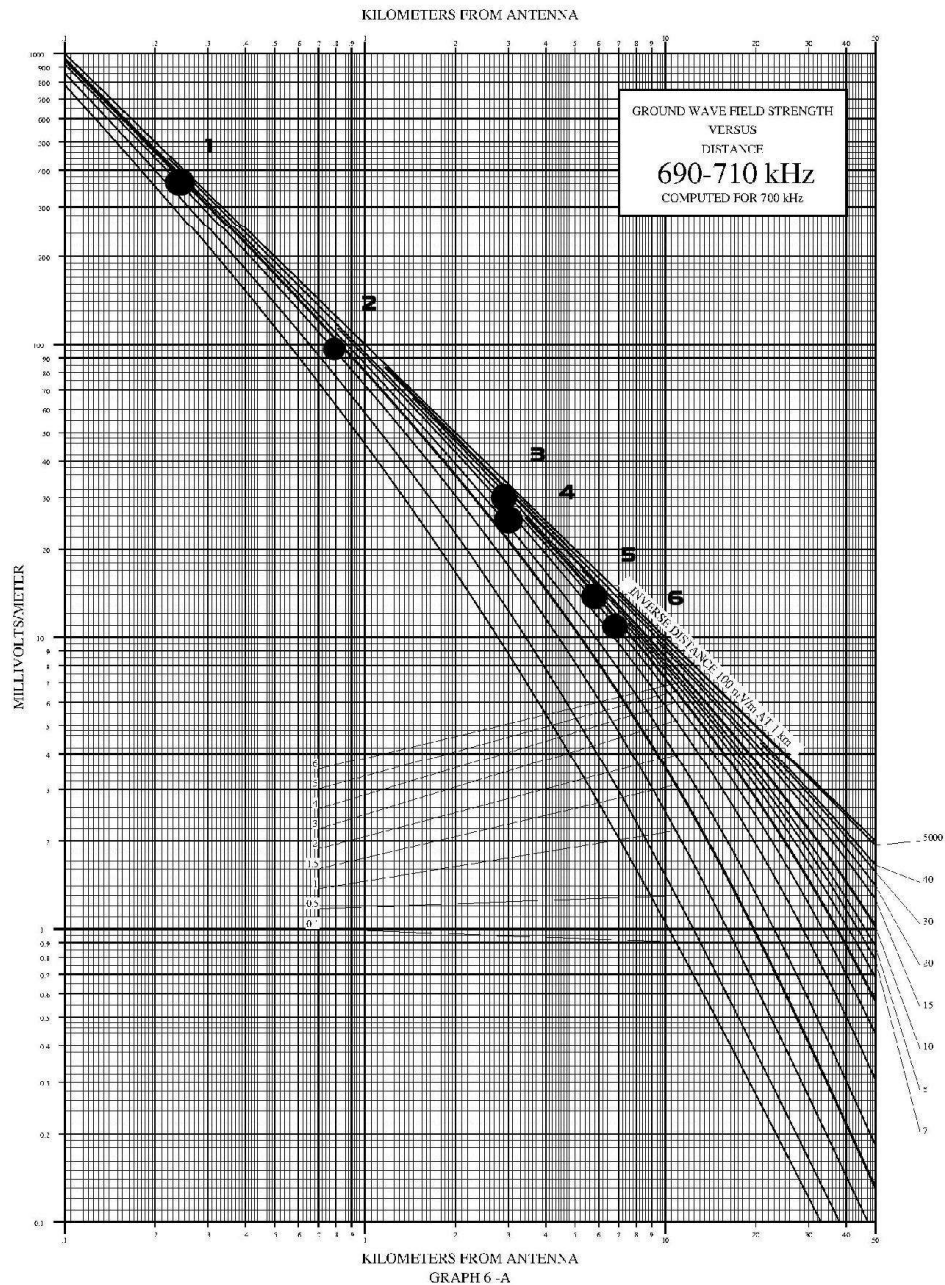


120 degrees true, graph normalized to 178 mV/M at 1 Km., 8 mS/m

Distance in Km. Field Intensity

0.24	680
0.77	175
2.47	54
2.99	46
5.64	25
6.73	22

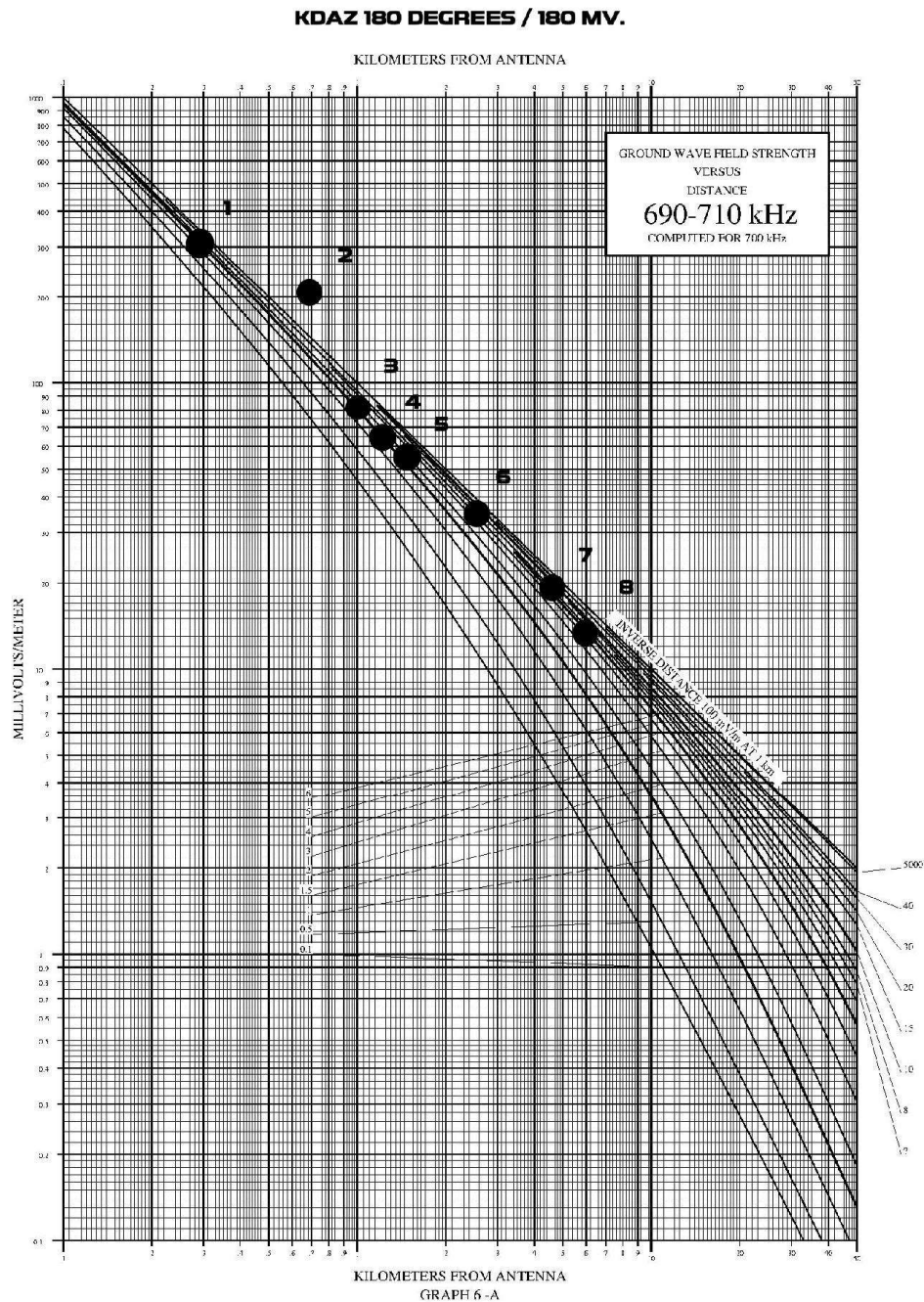
KDAZ 120 DEGREES / 178 MV.



180 degrees true, graph normalized to 180 mV/M at 1 Km., 8 mS/m

Distance in Km. Field Intensity

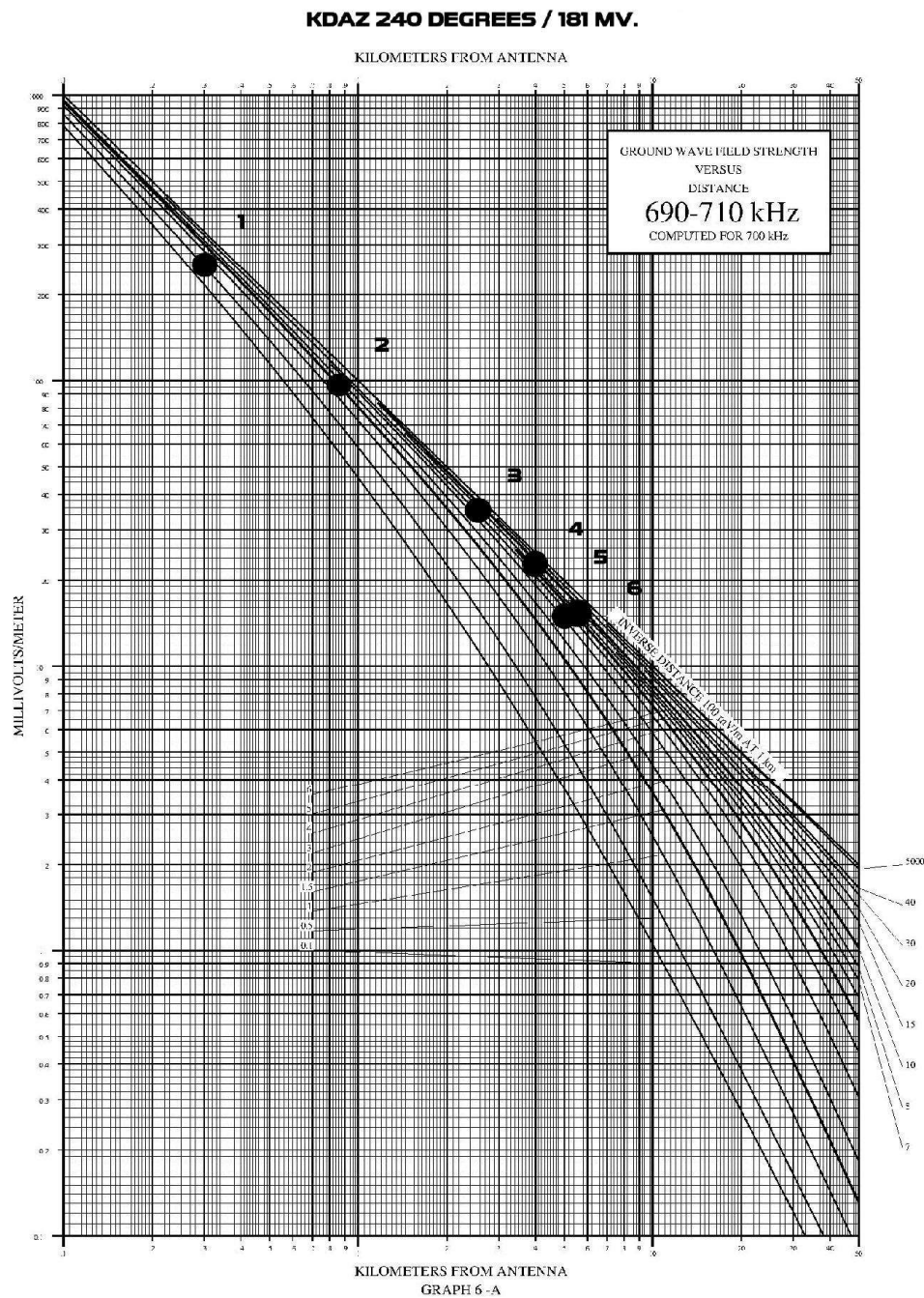
0.30	560
0.68	220
1.00	149
1.17	137
1.50	100
2.36	65
4.32	34
5.81	24



240 degrees true, graph normalized to 181 mV/M at 1 Km., 8 mS/m

Distance in Km. Field Intensity

0.30	470
0.83	177
2.44	65
3.95	42
5.05	28
5.46	27

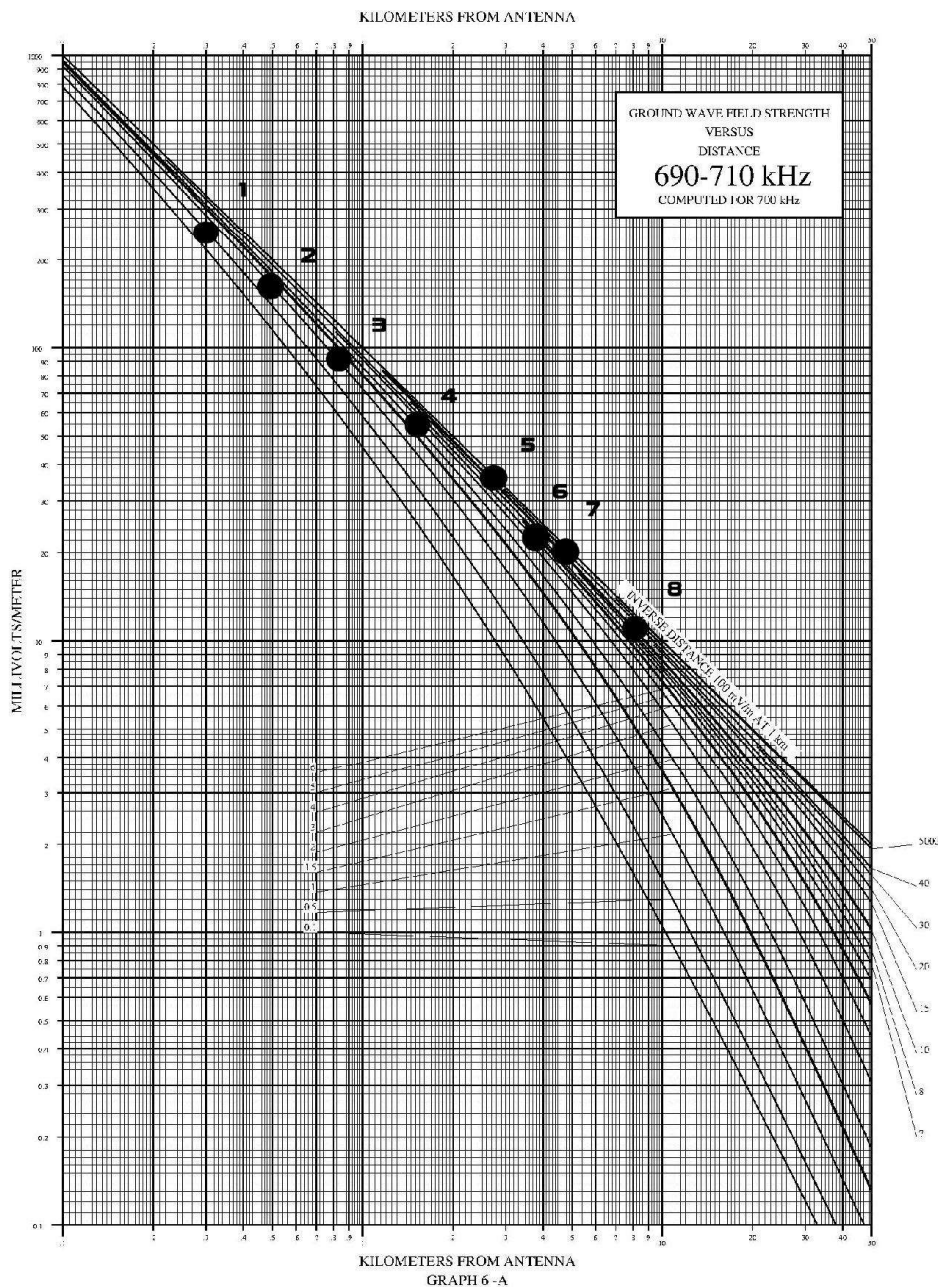


300 degrees true, graph normalized to 188 mV/M at 1 Km., 8 mS/m

Distance in Km. Field Intensity

0.30	480
0.51	311
0.83	173
1.48	101
2.40	70
3.65	43
4.77	38
8.00	21

KDAZ 300 DEGREES / 188 MV.





United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

PAN AMERICAN BROADCASTING CO., INC.
P.O. BOX 4338
(5010 4TH ST NW)
ALBUQUERQUE NM 87196

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 51424

Call Sign: KDAZ

Permit File Number: BMP-20200629AAK

Grant Date: September 17, 2020

The authority granted herein has no effect on the expiration date of the underlying construction permit.

This permit modifies permit no.: BP-20200213AAM

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:15 PM	Jul.	5:00 AM	7:15 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:30 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	5:00 AM	7:00 PM	Nov.	6:45 AM	5:00 PM
Jun.	4:45 AM	7:15 PM	Dec.	7:00 AM	5:00 PM

Name of Permittee: PAN AMERICAN BROADCASTING CO., INC.

Station Location: ALBUQUERQUE, NM

Frequency (kHz): 700

Station Class: D

Antenna Coordinates:

Day

Latitude: N 35 Deg 00 Min 31 Sec

Longitude: W 106 Deg 42 Min 52 Sec

Night

Latitude: N 35 Deg 00 Min 31 Sec

Longitude: W 106 Deg 42 Min 52 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 0.45 Night: 0.055

Antenna Mode: Day: ND Night: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1006460	

Night:

Tower No.	ASRN	Overall Height (m)
1	1006460	

Non-Directional Antenna: Day

Radiator Height: 91.3 meters; 76.71 deg

Theoretical Efficiency: 297.297 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 91.3 meters; 76.71 deg

Theoretical Efficiency: 297.297 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 Permittee shall install a type-accepted transmitter or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type-accepted transmitter be proposed.
- 2 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 3 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 5 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by stations KDAZ, Albuquerque, NM, facility ID no. 51424 and KJFA(AM), Belen, NM, facility ID no. 25528, and there shall be filed with the license application copies of a firm agreement entered into by the two stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated.
- 6 KDAZ will utilize the south tower in the former KDAZ two tower array. The ground system consists of 120 equally spaced, buried, copper radials, each 103 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7 meters square, about the base of the tower.

Special operating conditions or restrictions:

- 7 Before program tests are authorized, permittee shall dismantle the unused north tower of the former two-tower array. Otherwise, permittee shall 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.

*** END OF AUTHORIZATION ***