

Law Office of  
**DENNIS J. KELLY**  
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**FILE COPY**

MEMBER, DISTRICT OF COLUMBIA BAR ONLY;  
PRACTICE LIMITED TO FEDERAL COURTS AND AGENCIES

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April 19, 2017

Honorable Marlene H. Dortch  
Office of the Secretary  
Federal Communications Commission  
Washington, DC 20554

**Accepted / Filed**

**APR 19 2017**

Attention: Audio Division, <sup>Federal Communications Commission</sup>  
~~Office of the Secretary~~

**RE: Catholic Radio Network, Inc.**  
**FRN 0011-0276-38**  
**KFEL(AM), Pueblo, Colorado**  
**Facility ID # 23151**  
**Form 302-AM Direct Measurement**

Dear Madame Secretary:

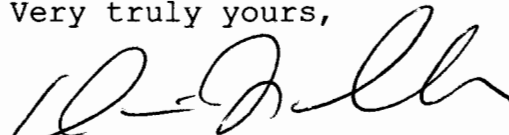
On behalf of our client Catholic Radio Network, Inc., this is to submit in triplicate an application on FCC Form 302-AM to determine power at its AM Broadcast Station KFEL, Pueblo, Colorado by the direct method.

This application is filed in the aftermath of the construction of co-owned FM Translator Station K243CI, Pueblo, Colorado, which will rebroadcast KFEL.

As the applicant is a non-profit corporation and as Station KFEL is a "non-commercial, educational" AM station, this application is non-feeable pursuant to Section 1.1116(c) of the Commission's Rules.

Should additional information be desired in connection with the above matter, kindly communicate with this office.

Very truly yours,



Dennis J. Kelly

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)**

CATHOLIC RADIO NETWORK, INC.

FRN: 0011-0276-38

**MAILING ADDRESS (Line 1) (Maximum 35 characters)**

1400 NE 42nd Terrace

**MAILING ADDRESS (Line 2) (Maximum 35 characters)**

**CITY**

Kansas City

**STATE OR COUNTRY (if foreign address)**

MO

**ZIP CODE**

64116

**TELEPHONE NUMBER (include area code)**

816-630-1090

**CALL LETTERS**

KFEL

**OTHER FCC IDENTIFIER (if applicable)**

23151

**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)
\$

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)
\$

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

<b>SECTION II - APPLICANT INFORMATION</b>		
1. NAME OF APPLICANT CATHOLIC RADIO NETWORK, INC.		
MAILING ADDRESS 1400 NE 42nd Terrace		
CITY Kansas City	STATE MO	ZIP CODE 64116

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
KFEL	Pueblo, Colorado	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? not applicable

☐ 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? not applicable

☐ 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

If No, explain in an Exhibit.

☒ Does not apply

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 882, 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 James E. O'Laughlin	Signature 
Title President	Date 04/19/2017
	Telephone Number 816-630-1090

**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 630 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

**CATHOLIC RADIO NETWORK, INC.**

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐

Station License

☒

Direct Measurement of Power

1. Facilities authorized in construction permit					
Call Sign <b>KFEL</b>	File No. of Construction Permit (if applicable)	Frequency (kHz) <b>970</b>	Hours of Operation <b>unlimited</b>	Power in kilowatts	
				Night <b>0.185</b>	Day <b>3.2</b>
2. Station location					
State <b>Colorado</b>			City or Town <b>Pueblo</b>		
3. Transmitter location					
State <b>CO</b>	County <b>Pueblo</b>	City or Town <b>Pueblo</b>	Street address (or other identification) <b>ASR #1025245</b>		
4. Main studio location					
State <b>MO</b>	County <b>Jackson</b>	City or Town <b>Kansas City</b>	Street address (or other identification) <b>1400 NE 42nd Terrace</b>		
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 <b>2.07</b>			RF common point or antenna current (in amperes) without modulation for day system <b>8.65</b>		
Measured antenna or common point resistance (in ohms) at operating frequency Night <b>33.2</b> Day <b>42.8</b>			Measured antenna or common point reactance (in ohms) at operating frequency Night Day		
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
not applicable					
non-directional operation					
Manufacturer and type of antenna monitor:					

**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  uniform cross-section steel guyed	Overall height in meters of radiator above base insulator, or above base, if grounded.  73.2	Overall height in meters above ground (without obstruction lighting)  74.1	Overall height in meters above ground (include obstruction lighting)  74.1	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.  Exhibit No.
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Excitation ☒ Series ☐ Shunt

North Latitude 38 ° 15 ' 57 "	West Longitude 104 ° 40 ' 44 "
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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.

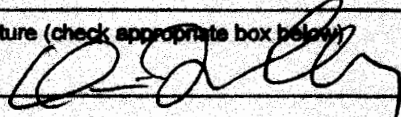
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

not applicable

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

This is after the installation of the co-owned K243CI, Pueblo, CO antenna on the KFEL 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) Dennis J. Kelly	Signature (check appropriate box below) 
Address (include ZIP Code) Post Office Box 41177 Washington, DC 20018-0577	Date 04/19/2017
	Telephone No. (Include Area Code) 202-293-2300

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☐ Technical Consultant

☒ Other (specify) Attorney/consultant

## KFEL AM antenna Measurements

These measurements were made on a Delta OIB-1, serial #975.

The antenna resistance measurements were conducted by Engineer Jim Mross, assisted by Engineer Norm Smith. All measurements were made on April 19<sup>th</sup>, 2017. The measurements were made using the procedure recommended by Delta Electronics for In-line, direct measurements at the stations operating frequency of 970 khz. A slight adjustment was made to the antenna tuning to bring the measured resistance back to within the tolerances specified in the construction permit. The measurements are as follows:

At the Day Power level of 8.65 amps of antenna current, we have an antenna resistance of 43.3 ohms. Transmitter output power was 3.2kw

At the night power level of 2.07 amps of antenna current, we have an antenna resistance of 31.5 ohms. Transmitter output power was 185 watts

It should be noted that the night measurement of 31.5 ohms is close to the measurement filed with the FCC in 2009, which was 31.0. The last license granted in 2010 lists the Day resistance as 42.8 ohms, and we are now at 43.3. That is now closer to the theoretical measurement for 970 khz.

These measurements are within 2 percent of the measurements made in 2009. The KFEL translator was broadcasting with a Nautel VS1 transmitter with an output of 540 watts to the single bay Nicom BKG77 antenna.

Jim Mross  
4-19-2017