

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)

Sasso, Damon, P

MAILING ADDRESS (Line 1) (Maximum 35 characters)

4565 E. Mexico Avenue

MAILING ADDRESS (Line 2) (Maximum 35 characters)

Unit 33

CITY

Denver

STATE OR COUNTRY (if foreign address)

Colorado

ZIP CODE

80222

TELEPHONE NUMBER (include area code)

970-356-1310

CALL LETTERS

KFKA

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)	(B)	(C)	FOR FCC USE ONLY
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	
	0 0 0 1	\$	

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)	(C)	FOR FCC USE ONLY
	0 0 0 1	\$	

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 MUSIC VENTURES, LLC		
MAILING ADDRESS 820 11th ave.		
CITY Greeley	STATE Colorado	ZIP CODE 80631

2. This application is for:

- Commercial Noncommercial
 AM Directional AM Non-Directional

Call letters KFKA	Community of License GREELEY	Construction Permit File No.	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit
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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.

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

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 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 DAMON SASSO	Signature 	
Title General Manager	Date 16/07/2021	Telephone Number 970-355-1310

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 - 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 SELSUP	Overall height in meters of radiator above base insulator, or above base, if grounded. 83.8m	Overall height in meters above ground (without obstruction lighting) 84.7m	Overall height in meters above ground (include obstruction lighting) 85.3m	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">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 40 ° 21 ' 56 "	West Longitude 104 ° 43 ' 56 "
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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?

none

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

addition of two bay fm translator antenna atop tower 1

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) Timothy C. Cutforth	Signature (check appropriate box below) 
Address (include ZIP Code) Broadcast Engineering Consultants 965 S. Irving Street Denver, CO 80219	Date 07/16/2021
	Telephone No. (Include Area Code) 303-937-1900

Technical Director

Registered Professional Engineer

Chief Operator

Technical Consultant

Other (specify)

BROADCAST ENGINEERING CONSULTANTS

Timothy C. Cutforth P.E. Director of Engineering
303-937-1900 965 S. IRVING STREET DENVER, CO 80219

K276GU
103.1 mHz 0.05kW ERP H&V
MUSIC VENTURES, LLC
Greeley, Colorado

July 16, 2021

ENGINEERING STATEMENT

Music Ventures, LLC is the permittee of K276GU and the licensee of AM Broadcast Station KFKA both serving Greeley, CO.

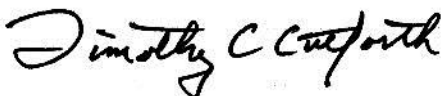
As per the Construction Permit BNPFT-20180509ACD the facility has been constructed on the West tower of the KFKA directional array.

The before and after partial proof has been performed on all four of the null radials in compliance with the current standards published in 73.154 and the KFKA operation was found to be inside the standard pattern. Since the KFKA operating parameters changed due to the addition of the K276GU antenna and the isolation coil to the KFKA array a Form 302AM is being filed for direct measurement of power and to specify the new operating parameters for the license.

The K276GU facility is ready for license and will begin operation upon filing of the license application per the conditions of the Construction Permit.

The KFKA Partial Proof and Form 302AM application for license is attached To this filing but is also being filed separately for processing of the new KFKA license.

Respectfully Submitted,



Timothy C. Cutforth P.E.

KFKA Before Partial Proof

Summary of DA/N Proof of Performance before FM translator

No	Radial (degree)	Ratio	1948 ref Inverse (mV/m)	before Inverse (mV/m)	STD Pat Inverse (mV/m)	Maximum Percent
1	73	1.274	75.6	96.3	97.2	99.07%
2	138	1.074	75.6	81.2	97.5	83.20%
3	241	1.147	75.6	85.6	97.5	88.90%
4	328	0.85	75.6	64.3	97.9	65.68%

KFKA 2021 PP DA/N Radial 73 degrees Without FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-N (mV/m)	Date	Time	Log Ratio
1	2.10	23.2	1/1/1948		29.0	6/22/2021	938	0.097
2	3.38	14.4	1/1/1948		18	6/22/2021	944	0.097
3	8.29	6.32	1/1/1948		6.4	6/22/2021	1009	0.005
4	9.17	5.54	1/1/1948		8	6/22/2021	1018	0.16
5	10.06	4.15	1/1/1948		5.2	6/22/2021	1037	0.098
6	12.63	3.23	1/1/1948		4.7	6/22/2021	1048	0.163
7	13.44	3.08	1/1/1948		4.2	6/22/2021	1056	0.135
8	15.13	2.67	1/1/1948		3.7	6/22/2021	1112	0.142
9	17.78	2.13	1/1/1948		2.4	6/22/2021	1122	0.052

Radial Avg: 1.274
Radial IDF: 96.3

KFKA 2021 PP DA/N Radial 138 degrees Without FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-D (mV/m)	Date	Time	Log Ratio
1	3.25	14.1	9/30/1948		15.5	6/15/2021	1524	0.041
2	4.3	8.1	9/30/1948		7.8	6/15/2021	1537	-0.016
3	4.45	8.3	9/30/1948		8.8	6/15/2021	1543	0.025
4	5.9	6.2	9/30/1948		5.8	6/15/2021	1306	-0.029
5	6.9	4.6	9/30/1948		4.8	6/15/2021	1250	0.018
6	7.4	4.98	9/30/1948		4.7	6/15/2021	1244	-0.025
7	8.25	4.25	9/30/1948		5.2	6/15/2021	1232	0.088
8	9	4	9/30/1948		5.6	6/15/2021	1211	0.146

Radial Avg: 1.074
Radial IDF: 81.2

KFKA PP DA/N Radial 241 degrees

Without FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-D (mV/m)	Date	Time	Log Ratio
1	3.1	15.2	9/30/1948		20.2	4/27/2021	1411	0.124
2	4.25	14	9/30/1948		12.5	6/22/2021	1327	-0.049
3	5.1	15.2	9/30/1948		20.1	6/15/2021	1440	0.121
4	5.85	5.5	9/30/1948		7	6/15/2021	1432	0.105
5	7	5.15	9/30/1948		6.5	6/15/2021	1412	0.101
6	8.15	4.38	9/30/1948		4.8	6/15/2021	1356	0.04
7	9.3	4.18	9/30/1948		3.7	6/15/2021	1340	-0.053
8	10.45	3.09	9/30/1948		3.8	6/15/2021	1323	0.09

Radial Avg: 1.133

Radial IDF: 85.6

KFKA PP DA/N Radial 328 Degrees

Without FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-D (mV/m)	Date	Time	Log Ratio
1	2	20.8	9/30/1948		22.5	6/15/2021	1033	0.034
2	2.15	21.8	9/30/1948		26	6/15/2021	1022	0.077
3	3.55	12.3	9/30/1948		32	6/15/2021	1033	0.415
4	4	9.4	9/30/1948		9.8	6/15/2021	1044	0.018
5	5.15	6.65	9/30/1948		6	6/15/2021	1112	-0.045
6	5.9	5.48	9/30/1948		4.7	6/15/2021	1152	-0.067
7	6.95	5.42	9/30/1948		4.3	6/15/2021	1202	-0.101
8	8.2	5.06	9/30/1948		2.3	6/15/2021	1526	-0.342
9	11.7	2.54	9/30/1948		1.5	6/15/2021	1507	-0.229

Radial Avg: 1.050

Radial IDF: 79.4

KFKA AFTER Partial Proof

Summary of DA/N Proof of Performance AFTER FM translator Installation

KFKA PP

Summary of DA/N Proof of Performance WITH FM TRANSLATOR INSTALLED

No	Radial (degree)	Ratio	1948 DA/N Reference Inverse (mV/m)	2021 Measured Inverse (mV/m)	STD PAT Inverse (mV/m)	Percent
1	73	1.248	75.6	94.4	97.2	97.12%
2	138	1.151	75.6	87.0	97.5	89.23%
3	241	1.147	75.6	91.4	97.5	93.74%
4	328	1.050	75.6	79.4	97.9	81.10%

KFKA PP DA/N Radial 73 degrees With FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-N (mV/m)	Date	Time	Log Ratio
1	2.10	23.2	1/1/1948		23.2	6/22/2021	947	0.074
2	3.25	14.4	1/1/1948		17.8	6/22/2021	950	0.092
3	8.29	6.32	1/1/1948		6.7	6/22/2021	1015	0.025
4	9.17	5.54	1/1/1948		7.9	6/22/2021	1022	0.154
5	10.06	4.15	1/1/1948		4.2	6/22/2021	1040	0.005
6	12.63	3.23	1/1/1948		4.6	6/22/2021	1051	0.154
7	13.44	3.08	1/1/1948		4.4	6/22/2021	1059	0.155
8	15.13	2.67	1/1/1948		3.4	6/22/2021	1115	0.105
9	17.78	2.13	1/1/1948		2.7	6/22/2021	1126	0.103

Radial Avg: 1.245
Radial IDF: 94.4

KFKA PP DA/N Radial 138 degrees With FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-N (mV/m)	Date	Time	Log Ratio
1	3.25	14.1	9/30/1948		16	6/15/2021	1528	0.055
2	4.3	8.1	9/30/1948		8	6/15/2021	1540	-0.005
3	4.45	8.3	9/30/1948		9.4	6/15/2021	1545	0.054
4	5.9	6.2	9/30/1948		6.1	6/15/2021	1309	-0.007
5	6.9	4.6	9/30/1948		4.8	6/15/2021	1253	0.018
6	7.4	4.98	9/30/1948		5.2	6/15/2021	1246	0.019
7	8.25	4.25	9/30/1948		6.3	6/15/2021	1235	0.171
8	9	4	9/30/1948		6.1	6/15/2021	1214	0.183

Radial Avg: 1.151
Radial IDF: 87.0

KFKA PP DA/N Radial 241 Degrees With FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-N (mV/m)	Date	Time	Log Ratio
1	3.10	15.2	9/30/1948		20.5	6/15/2021	1415	0.13
2	4.25	14	9/30/1948		14	6/22/2021	1330	0
3	5.00	15.2	9/30/1948		20.2	6/15/2021	1444	0.124
4	5.85	5.5	9/30/1948		7.8	6/15/2021	1436	0.152
5	7	5.15	9/30/1948		7	6/15/2021	1415	0.133
6	8.15	4.38	9/30/1948		5.4	6/15/2021	1359	0.091
7	9.3	4.18	9/30/1948		4	6/15/2021	1344	-0.019
8	10.45	3.09	9/30/1948		4.4	6/15/2021	1326	0.153

Radial Avg: 1.209
Radial IDF: 91.4

KFKA PP Night Radial 328 With FM

Point	Dist. (km)	Ref. (mV/m)	Date	Time	DA-N (mV/m)	Date	Time	Log Ratio
1	2	20.8	9/30/1948		28	6/15/2021	1036	0.129
2	2.15	21.8	9/30/1948		20.0	6/15/2021	1026	-0.037
3	3.55	12.3	9/30/1948		31.1	6/15/2021	1031	0.403
4	4	9.4	9/30/1948		11	6/15/2021	1048	0.068
5	5.15	6.65	9/30/1948		7.4	6/15/2021	1115	0.046
6	5.9	5.48	9/30/1948		6	6/15/2021	1158	0.039
7	6.95	5.42	9/30/1948		5.8	6/15/2021	1206	0.029
8	8.2	5.06	9/30/1948		2.8	6/15/2021	1529	-0.257
9	11.7	2.54	9/30/1948		1.5	6/15/2021	1510	-0.229

Radial Avg: 1.050
Radial IDF: 79.4

KFKA PP Monitor Point Maximums in NULL radials

Summary of DA/N Proof of Performance WITH FM TRANSLATOR INSTALLED

NULL Radial (degree)	MP Distance (km)	1948 DA/N Reference Field (mV/m)	2021 Measured Field (mV/m)	computed Max allow Field (mV/m)	Present % of Max Percent
73	3.26	14.4	17.8	18.3	97.12%
138	3.25	14.1	16.0	17.9	89.23%
241	5.00	15.1	20.2	21.5	93.74%
328	3.55	12.3	31.1	38.3	81.10%

MINOR LOBE monitor points requested to be deleted					Lic
Radial	Distance	MP B4 Meas	MP AFTER Meas	max	
105	4.79km	27.1mv	28.0mv	37.0mv	
285	4.60km	58.0mv	51.0mv	63.9mv	

The 1948 Construction Permit and Proof of Performance were very early directional studies and specified monitor radials on the null radials and also on the minor lobes at 105 degrees and 285 degrees. For the last 40+ years minor lobes were not specified as monitor radials and can rarely be adjusted independent of the nulls in the pattern,

Therefore I request that the monitor radials of 105 and 285 degrees be deleted from the license list of required monitor radials for the KFKA DA/N pattern. I have attached the coordinates for the monitor points as monitor point descriptions and also a list of the coordinates for all points measured in the Partial proof showing.