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**MICHAEL H. BADER**  
ADMITTED IN VA AND D.C.

September 14, 1994

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SEP 14 1994

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

HCC

OUR FILE No.  
0741-101-65

Mr. William F. Caton, Acting Secretary  
Federal Communications Commission  
Washington, D.C. 20554

Re: Radio Station KSQQ(FM)  
Morgan Hill, California  
FCC File Nos. BPH-931018IF and  
BLH-940801KD.

Dear Mr. Caton:

Attached is an amendment to the application for license for station  
KSQQ(FM), Morgan Hill, California, FCC File Nos. BPH-931018IF and  
BLH-940801KD.

No filing fee is required since it has been paid in connection with the  
original filing for the license.

If there are any questions concerning this matter, kindly communicate  
with this office directly.

Very truly yours,

  
Michael H. Bader

MHBapp  
Enclosures

ORIGINAL

**COYOTE COMMUNICATIONS, INC.  
KSQQ(FM), MORGAN HILL, CALIFORNIA  
Form 302-FM Application to Cover CP  
FCC File No. BPH-931018IF**

**Note Concerning This Application**

**This amendment represents the second 302-FM filed to cover the specified construction permit. The original was filed July 29, 1994.**

**This 302-FM reflects modification of the antenna system from a two-bay, one wavelength spaced, to a three-bay, one wavelength spaced, antenna and the concomitant changes in the associated parameters.**

Approved by CMB\*  
3060-0506  
Expires 1/31/94

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20541  
**AUDIO SERVICES**  
DIVISION  
AM BUREAU

**FCC 302-FM**

SEP 15 1 00 PM '94

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FOR  
FCC  
USE  
ONLY

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

APPLICATION FOR FM

BROADCAST STATION LICENSE

(Please read instructions before completing this form)

FOR MASS MEDIA BUREAU USE ONLY

FILE NO.

**Section I - GENERAL INFORMATION**

1. APPLICANT NAME <b>COYOTE COMMUNICATIONS, INC.</b>		
MAILING ADDRESS (Line 1) (Maximum 35 characters) <b>1629 Alum Rock Avenue</b>		
MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters)		
CITY <b>San Jose</b>	STATE OR COUNTRY (if foreign address) <b>CA</b>	ZIP CODE <b>95116</b>
TELEPHONE NUMBER (include area code) <b>408-258-9699</b>	CALL LETTERS <b>KSQQ (FM)</b>	OTHER FCC IDENTIFIER (IF APPLICABLE)

**FOR MAILING THIS APPLICATION, SEE INSTRUCTIONS FOR SECTION 1**

2. A. Is a fee submitted with this application?  Yes  No

B. If No, select the appropriate box to indicate reason for fee exemption (see 47 C.F.R. Section 1.1112) or reason a fee is not applicable and go to Question 3.

Governmental Entity  Noncommercial educational licensee  Other (Please explain):

C. If item 2.A. is 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 in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A)	(B)	(C)	FOR FCC USE ONLY
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	
(1) M   H   R	0   0   0   1	\$ 135.	

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
(2)	0   0   0   1	\$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (2), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION	FOR FCC USE ONLY
\$ 135.00	

**Section 1 - GENERAL INFORMATION (Page 2)**

3. (a) Has an adverse finding been made or an adverse final action 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 related to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?  Yes  No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?  Yes  No

If the answer to (a) and/or (b) above 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), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.

4. For permittees of commercial FM stations only:

Has permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)? See Instructions.  Yes  No  Does Not Apply

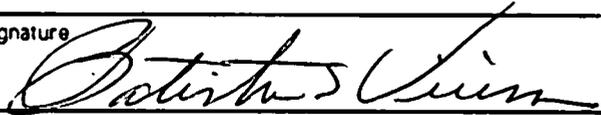
The APPLICANT hereby waves any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See 47 U.S.C. Section 304.)

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 the application.

**CERTIFICATIONS**

5. 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. 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

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 of Applicant  Coyote Communications, Inc.	Signature 
Title  President	Date  8/31/94

**WILLFUL FALSE STATEMENTS MADE 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 PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).**

**FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY 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 this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may be 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, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-570, DECEMBER 31, 1974, 5 U.S.C. SECTION 552(a)(3).



**SECTION II - TECHNICAL DATA (Page 2)**

8. Description of facilities authorized by the construction permit or license noted in Item 5(a) or 5(b).

(a) Antenna coordinates:	<u>37</u> °	<u>11</u> '	<u>1.0</u> "	N. Lat.	<u>121</u> °	<u>48</u> '	<u>9.0</u> "	W. Lon.
					Horizontal		Vertical	
(b) Effective radiated power:					<u>4.7</u>	kW	<u>4.7</u>	kW
(c) Beam tilt effective radiated power (if applicable):					<u>n/a</u>	kW	<u>n/a</u>	kW
(d) Radiation center above ground:					<u>27.0</u>	meters	<u>27.0</u>	meters
(e) Radiation center above mean sea level:					<u>349.0</u>	meters	<u>349.0</u>	meters
(f) Antenna height above average terrain:					<u>49.0</u>	meters	<u>49.0</u>	meters
(g) Overall tower height above ground (including antenna, all other appurtenances, and lighting, if any):					<u>30.0</u>	meters		

 Description of facilities as constructed:

(a) Antenna coordinates:	<u>37</u> °	<u>11</u> '	<u>1.0</u> "	N. Lat.	<u>121</u> °	<u>48</u> '	<u>9.0</u> "	W. Lon.
					Horizontal		Vertical	
(b) Effective radiated power:					<u>4.7</u>	kW	<u>4.7</u>	kW
(c) Beam tilt effective radiated power (if applicable):					<u>n/a</u>	kW	<u>n/a</u>	kW
(d) Radiation center above ground:					<u>25.5</u>	meters	<u>25.5</u>	meters
(e) Radiation center above mean sea level:					<u>347.5</u>	meters	<u>347.5</u>	meters
(f) Antenna height above average terrain:					<u>47.5</u>	meters	<u>47.5</u>	meters
(g) Overall tower height above ground (including antenna, all other appurtenances, and lighting, if any):					<u>30.0</u>	meters		

10. Are there any differences between the facilities described in Item 8 and those in Item 9?

Yes  No

**IF YES, YOU MAY NOT BE ABLE TO USE THIS FORM. SEE INSTRUCTIONS.**

Attach an Exhibit explaining in detail how these differences occurred.

Exhibit No.  
1

11. Attach an Exhibit that demonstrates compliance with the special operating conditions, terms, and obligations described in the construction permit.

Exhibit No.  
n/a

Does Not Apply

**CONVERSION TO AND FROM METRIC:**

**METERS = 0.3048 X FEET      FEET = 3.281 X METERS**

SECTION II - TECHNICAL DATA (Page 3)

12. Antenna description:	Make ERI	Model Number LPX-3E	Number of Sections 3	Power Gain 1.5588
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If the antenna utilizes beam tilt, null fill, reduced spacing (less than one wavelength) between bays or the antenna is directional or specialized, an Exhibit must be attached. SEE INSTRUCTIONS.

Exhibit No. n/a
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13. Transmission line system description:

(a) Transmission line:	Make Andrew	Model Number HJ5-50	Length in Meters 33.2 meters
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(b) Percent efficiency of entire transmission line system: 86.8 %

If any losses are included in 13(b) other than the loss of the transmission line listed in 13(a), attach an Exhibit detailing these additional losses. See Instructions.

Exhibit No. 2
------------------

14. Transmitter power output (in kilowatts): 3.5 kW

SEE INSTRUCTIONS TO CALCULATE TPO.

15. Operating constants:

- (a) D.C. plate current in last radio stage (amperes): 147 A
- (b) Applied D.C. voltage in last radio stage (volts): 39.5 V
- (c) Efficiency of transmitter at operating power (percent): 60.2 %
- (d) RF transmission line meter reading (percent): 100 %

SEE INSTRUCTIONS TO CHECK OPERATING CONSTANTS.

16. Is the main studio within the 3.16 mV/m (70 dBu) field strength contour of the main facility?

Yes  No

If NO, attach an Exhibit pursuant to the Instructions.

Exhibit No. n/a
--------------------

17. Location of Main Studio: (P.O. BOXES ARE UNACCEPTABLE)

Street Address or Location Description 1629 Alum Rock Avenue		
City San Jose	County Santa Clara	State CA

CONVERSION TO AND FROM METRIC:

METERS = 0.3048 X FEET      FEET = 3.281 X METERS

SECTION II - TECHNICAL DATA (Page 4)

18. Location(s) of Remote Control Point(s):

(a)	Street Address or Location Description		
	1629 Alum Rock Avenue		
	City	County	State
	San Jose	Santa Clara	CA
(b)	Street Address or Location Description		
	City	County	State

If there are additional remote control points, attach an Exhibit which describes their locations.

Exhibit No.
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19. Location of Antenna Site:

Street Address or Location Description		
South of McKean Road, 0.9 km west of the Calero Reservoir in Santa Clara County, CA		
City	County	State
San Jose	Santa Clara	CA

20. CERTIFICATION OF PREPARER

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)
A. F. (Rick) Melzig	<i>A. F. Melzig</i>
Address (include ZIP Code)	Date
340 Bella Vista Avenue Los Gatos, CA 95032	August 29, 1994
	Telephone No. (include Area Code)
	408-356-4230

- |   |   |
|---|---|
| <input type="checkbox"/> Technical Director | <input type="checkbox"/> Registered Professional Engineer |
| <input type="checkbox"/> Chief Operator     | <input checked="" type="checkbox"/> Technical Consultant  |
| <input type="checkbox"/> Other (specify)    |   |

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PAPERWORK REDUCTION ACT

Public reporting burden for this collection of information is estimated to average 4 hours per response. This estimate includes 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, Information Resources Branch, Room 416, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0506), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

COYOTE COMMUNICATIONS, INC.  
KSQQ (FM), Morgan Hill, California

Form 302-FM Application to Cover CP File No. BPH-931018IF

FURTHER RESPONSE TO SECTION II

All items answered completely on the enclosed Section II of FCC Form 302-FM will not be addressed herein.

Item 10:

Exhibit 1 - following - explains the differences between the authorized facilities and the facilities as constructed.

Item 13(b):

Exhibit 2 - following - provides the computation of the percent efficiency of the entire transmission line system.

Item 14:

Exhibit 2, paragraph 4 - following - provides the computation of Transmitter Power Output (TPO).

METHODS EMPLOYED

All computations and data contained herein or on which this application has been based are in exact accordance with the pertinent requirements of the FCC Rules and standards of good engineering practice, unless otherwise specifically so stated.

By:

A. F. Melzig  
August 29, 1994

A. F. Melzig

August 28, 1994

COYOTE COMMUNICATIONS, INC.  
KSQQ (FM), Morgan Hill, California

Form 302-FM Application to Cover CP File No. BPH-931018IF

EXHIBIT 1

EXPLANATION OF DIFFERENCES BETWEEN

AUTHORIZED FACILITIES AND FACILITIES AS CONSTRUCTED

The construction permit (BPH-931018IF) and first 302-FM (filed approximately August 1, 1994) facilities were engineered with the use of a two-bay, one wavelength spaced, ERI LPX-2E antenna.

For various reasons, including efficiency and operating parameters of the Harris PT-5 FM transmitter, the two-bay antenna has been modified to a three-bay, one wavelength spaced, ERI LPX-3E antenna. The purpose of this 302-FM is to reflect this change in antenna and associated transmission line and transmitter parameters.

The authority to make this change on a 302-FM is given in Section 73.1690(c)(1) of the FCC rules and in Item 10 of the FCC 302-FM Instructions (Page 10). The new center of radiation is 1.5 m lower than the original and the ERP remains unchanged. Thus, the requirements of 73.1690(c)(1) are met.

COYOTE COMMUNICATIONS, INC.  
KSQQ (FM), Morgan Hill, California

Form 302-FM Application to Cover CP File No. BPH-931018IF

EXHIBIT 2

COMPUTATION OF TRANSMISSION LINE EFFICIENCY

1. Interpolate Manufacturer's Attenuation Data:

Andrew Catalog 35, page 389:

HJ5-50 7/8" Air Dielectric Coax Attenuation

1.14 db/100m @ 88 MHz; 1.21 db/100m @ 100 MHz

Linear interpolation gives 1.25 db/100m @ 96.1 MHz

2. Calculate Over-all Loss of Transmission Line System:

Total of 33.2 m of HJ5-50 coax with 7/8" EIA flange connectors at the antenna and the wattmeter section on top of the transmitter.

33.2 m of HJ5-50 @ 1.2 db/100m	0.42 db
Connector at - antenna	0.1
- transmitter	0.1
	-----
<u>Over-all Loss:</u>	<u>0.62 db</u>

3. Calculate Efficiency of Transmission System:

Efficiency (percent) =  $\frac{100\%}{\frac{(db)}{(10)}}$  = 86.8%

10 Efficiency = 86.8%

4. Calculate Transmitter Power Output to Obtain 4.7 kw ERP:

TPO =  $\frac{4.7 \text{ kw}}{1.5588 \times 0.868}$  = 3.47 kw

Round per 73.212(a): TPO = 3.5 kw