

FEDERAL COMMUNICATIONS COMMISSION

FM BROADCAST STATION LICENSE



Official Mailing Address:

KKSN, INC.  
BOX 9791  
PORTLAND, OR 97207

Authorizing Official:

*Dale E. Bickel*  
Dale E. Bickel  
Supervisory Engineer, FM Branch  
Audio Services Division  
Mass Media Bureau

Grant Date: NOV 5 1990

Call sign: KKSN-FM

This license expires 3:00 am.  
local time: February 01, 1991

License File No.: BLH-900821KA

This license covers Permit No.:BPH-870302MG  
as extended by Permit Nos.:BMPH-891026JR and BMPH-900711JQ

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Name of Licensee:

KKSN, INC.

Station Location:

OR-PORTLAND

Frequency (MHz): 97.1

Channel: 246

Class: C

Hours of Operation: Unlimited

Main Studio Address:

OR-5005 S.W. MACADAM AVENUE, PORTLAND.

Transmitter location (address or description):

OR-4700 S.W. COUNCIL CREST, PORTLAND.

Remote control point address:

OR-5005 S.W. MACADAM AVENUE, PORTLAND.

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

Transmitter output power (kW): 35.0

Antenna type: (directional or non-directional): Non-directional

Desc: JAMPRO JTC-3, THREE SECTIONS, CIRCULARLY POLARIZED WITH -1.0 DEGREE BEAM TILT, MAST-MOUNTED ON A SELF-SUPPORTING TOWER.

Antenna coordinates: North Latitude: 45 29 20.0  
West Longitude: 122 41 40.0

|   | Horizontally<br>Polarized<br>Antenna | Vertically<br>Polarized<br>Antenna |
|---|--------------------------------------|------------------------------------|
| Effective radiated power in the horizontal plane (kW) . . . . . : | 97.0                                 | 97.0                               |
| Maximum effective radiated power with beam tilt (kW) . . . . . :  | 100.0                                | 100.0                              |
| Height of radiation center above ground (meters) . . . . . :      | 170.0                                | 170.0                              |

Height of radiation center above  
mean sea level (meters) . . . . . : 480.0 480.0

Height of radiation center above  
average terrain (meters) . . . . . : 386.0 386.0

Overall height of antenna structure above ground (including obstruction  
lighting, if any) . . . . . : 184.0 meters

Obstruction marking and lighting specifications for antenna  
structure:

It is to be expressly understood that the issuance of these specifications  
is in no way to be considered as precluding additional or modified marking  
or lighting as may hereafter be required under the provisions of Section  
303(q) of the Communications Act of 1934, as amended.

Paragraph 1.0, FCC Form 715 (March 1978):

Antenna structures shall be painted throughout their height with  
alternate bands of aviation surface orange and white, terminating with  
aviation surface orange bands at both top and bottom. The width of the  
bands shall be equal and approximately one-seventh the height of the  
structure, provided however, that the bands shall not be more than 100  
feet nor less than 1 and 1/2 feet in width. All towers shall be  
cleaned and repainted as often as necessary to maintain good  
visibility.

Paragraph 3.0, FCC Form 715 (March 1978):

There shall be installed at the top of the structure one 300 m/m  
electric code beacon equipped with two 620- or 700-watt lamps (PS-40,  
Code Beacon type), both lamps to burn simultaneously, and equipped  
with aviation red color filters. Where a rod or other construction of  
not more than 20 feet in height and incapable of supporting this  
beacon is mounted on top of the structure and it is determined that  
this additional construction does not permit unobstructed visibility  
of the code beacon from aircraft at any normal angle of approach,  
there shall be installed two such beacons positioned so as to insure  
unobstructed visibility of at least one of the beacons from aircraft  
at any normal angle of approach. The beacons shall be equipped with a  
flashing mechanism producing not more than 40 flashes per minute nor  
less than 12 flashes per minute with a period of darkness equal to  
approximately one-half of the luminous period.

LICENSE RENEWAL AUTHORIZATION

THIS IS TO NOTIFY YOU THAT YOUR APPLICATION FOR RENEWAL OF LICENSE, BRH-20051003BEY, WAS GRANTED ON 03/04/2008 FOR A TERM EXPIRING ON 02/01/2014.

THIS IS YOUR LICENSE RENEWAL AUTHORIZATION FOR STATION KYCH-FM.

FACILITY ID: 35034

LOCATION: PORTLAND, OR

THIS CARD MUST BE POSTED WITH THE STATION'S LICENSE CERTIFICATE AND ANY SUBSEQUENT MODIFICATIONS.

ENTERCOM PORTLAND LICENSE, LLC  
401 CITY AVENUE, SUITE 809  
BALA CYNWYD, PA 19004



Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

*KyCh*

LICENSEE: ENTERCOM PORTLAND LICENSE, LLC

ENTERCOM PORTLAND LICENSE, LLC  
401 CITY AVENUE, SUITE 809  
BALA CYNWYD, PA 19004

|   |             |
|---|-------------|
| Call Sign<br>KPL709                                     | File Number |
| Radio Service<br>RP - Broadcast Auxiliary Remote Pickup |             |
| Regulatory Status<br>PMRS                               |             |
| Frequency Coordination Number                           |             |

FCC Registration Number (FRN): 0003246089

|                          |                              |                               |                          |
|--------------------------|------------------------------|-------------------------------|--------------------------|
| Grant Date<br>11-04-1988 | Effective Date<br>04-20-2001 | Expiration Date<br>02-01-2014 | Print Date<br>03-06-2008 |
|--------------------------|------------------------------|-------------------------------|--------------------------|

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Address: 4700 SW COUNCIL CREST DR  
City: PORTLAND County: MULTNOMAH State: OR  
Lat (NAD83): 45-29-19.4 N Long (NAD83): 122-41-44.3 W ASR No.: Ground Elev: 311.0

Loc. 2 Area of Operation  
Operating within a 40.0 km radius around fixed location 1

Antennas

| Loc. No. | Ant. No. | Frequencies (MHz) | Sta. Cls. | No. Units | No. Pagers | Emission Designator | Output Power (watts) | ERP (watts) | Ant. Ht./Tp meters | Ant. AAT meters | Construct Deadline Date |
|----------|----------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 1        | 1        | 000450.80000000   | FB        | 1         |            | 50K0F3E             | 30.450               | 22.000      | 324.0              |                 |                         |
| 1        | 1        | 000450.85000000   | FB        | 1         |            | 50K0F3E             | 30.450               | 22.000      | 324.0              |                 |                         |
| 1        | 1        | 000455.80000000   | FB        | 1         |            | 50K0F3E             | 30.450               | 22.000      | 324.0              |                 |                         |
| 1        | 1        | 000455.85000000   | FB        | 1         |            | 50K0F3E             | 30.450               | 22.000      | 324.0              |                 |                         |
| 2        | 1        | 000450.80000000   | MO        | 5         |            | 50K0F3E             | 30.450               | 22.000      |                    |                 |                         |
| 2        | 1        | 000450.85000000   | MO        | 5         |            | 50K0F3E             | 30.450               | 22.000      |                    |                 |                         |
| 2        | 1        | 000455.80000000   | MO        | 5         |            | 50K0F3E             | 30.450               | 22.000      |                    |                 |                         |
| 2        | 1        | 000455.85000000   | MO        | 5         |            | 50K0F3E             | 30.450               | 22.000      |                    |                 |                         |

Broadcast Auxiliary Parent Station Facility ID Number. 35034

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.



Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

KYCA

LICENSEE: ENTERCOM PORTLAND LICENSE, LLC

ENTERCOM PORTLAND LICENSE, LLC  
401 CITY AVENUE, SUITE 809  
BALA CYNWYD, PA 19004

|   |                      |
|---|----------------------|
| Call Sign<br>WLG441                                 |                      |
| File Number   |                      |
| Radio Service<br>AS - Aural Studio Transmitter Link |                      |
| SMSA  | Station Class<br>FXO |

FCC Registration Number (FRN): 0003246089

|                          |                              |                               |                          |
|--------------------------|------------------------------|-------------------------------|--------------------------|
| Grant Date<br>01-27-1994 | Effective Date<br>02-17-2004 | Expiration Date<br>02-01-2014 | Print Date<br>03-06-2008 |
|--------------------------|------------------------------|-------------------------------|--------------------------|

LOCATION

Fixed Location Address or Area of Operation:

0700 SW Bancroft

City: PORTLAND County: MULTNOMAH State: OR

| Loc No. | Location Name    | Latitude     | Longitude     | Elevation | Antenna Structure<br>Registration No. |
|---------|------------------|--------------|---------------|-----------|---------------------------------------|
| 001     | KKSN Studio      | 45-29-32.2 N | 122-40-13.4 W | 10.1      |                                       |
| 002     | Stonehenge Tower | 45-29-19.4 N | 122-41-44.4 W | 310.3     |                                       |

FREQUENCY PATHS

| Frequency<br>(MHz) | Tol<br>(%) | Emission<br>Desig | EIRP<br>(dBm) | Constr<br>Date | Path<br>No | Seg | Emit<br>Loc | Ant Hgt<br>(m) | Gain<br>(dBi) | Beam<br>(deg) | POL | AZIM<br>(deg) | Rec<br>Loc<br>No | Rec<br>Call<br>Sign |
|--------------------|------------|-------------------|---------------|----------------|------------|-----|-------------|----------------|---------------|---------------|-----|---------------|------------------|---------------------|
| 948.5              | 0.00001    | 500KD7W           | 54.900        |                | 001        | 1   | 001         | 12.8           | 19.2          | 19.2          | H   | 258.7         | 002              |                     |

Waivers/Conditions:

The Facility ID of the Associated Broadcast Parent Station for this license is 35034.

**Conditions:**  
Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

**FEDERAL COMMUNICATIONS COMMISSION**  
445 Twelfth Street, SW  
Washington, DC 20554

MEDIA BUREAU  
AUDIO DIVISION  
APPLICATION STATUS: (202) 418-2730  
HOME PAGE: [www.fcc.gov/mb/audio/](http://www.fcc.gov/mb/audio/)

PROCESSING ENGINEER: Ann Gallagher  
TELEPHONE: (202) 418-2716  
FACSIMILE: (202) 418-1411  
MAIL STOP: 1800B3  
E-MAIL: [Ann.Gallagher@fcc.gov](mailto:Ann.Gallagher@fcc.gov)

February 23, 2006

Martin D. Hadfield  
Vice President – Engineering  
Entercom Communications Corp.  
1820 Eastlake Avenue East  
Seattle, WA 98102-3711

Re: Request for Experimental Authority  
Entercom Portland License, LLC

Dear Mr. Hadfield:

The staff has under consideration the requests received in February 2006 for experimental authority to transmit hybrid digital signals incorporating multiple channels. The licensee requests experimental authority pursuant to 47 C.F.R. § 73.1510 for the following stations:

| Station  | Location     | Facility ID |
|----------|--------------|-------------|
| KGON(FM) | Portland, OR | 2432        |
| KNRK(FM) | Camas, WA    | 51213       |
| KWJJ-FM  | Portland, OR | 13738       |
| KRSK(FM) | Molalla, OR  | 68213       |
| ✓KYCH-FM | Portland, OR | 35034       |

The stations propose to test a modified version of the hybrid IBOC system which the Commission has authorized for interim use.<sup>1</sup> The IBOC system under test splits the digital bitstream into multiple digital channels. The occupied bandwidth of the digital sidebands will remain as specified in Appendix B of the IBOC Order. The hybrid signal will be transmitted via the station's authorized antenna, and will not require a change in the station's authorized ERP.

Accordingly, the requested experimental authority for the hybrid digital operation described above IS HEREBY GRANTED. This authority is specifically conditioned on the lack of objectionable interference. A report detailing the methodology employed and the results obtained must be submitted within **ninety** days following the conclusion of the experimental operation pursuant to 47

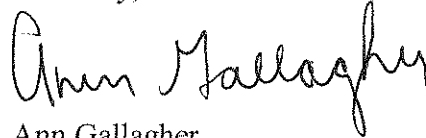
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<sup>1</sup> Radio stations do not require experimental authority for normal hybrid IBOC operations. See *Digital Audio Broadcasting Systems and Their Impact on the Terrestrial Radio Broadcast Service*, 17 FCC Rcd 19990 (2002) ("IBOC Order").

C.F.R. § 73.1510(d). This experimental authority expires on February 23, 2007. Any request for extension of this authority should be filed at least thirty days prior to this expiration date.

**Additionally, such a request must include an interim version of the aforementioned report that details the progress of the experimental program as of the filing date.**

Sincerely,

A handwritten signature in cursive script that reads "Ann Gallagher". The signature is written in black ink and is positioned to the right of the typed name.

Ann Gallagher  
Audio Division  
Media Bureau





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February 8, 2006

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 Twelfth Street, S.W.  
Washington, D.C. 20554

Re: KYCH-FM – Portland, Oregon  
Facility ID #35034 – CH246C (97.1 MHz)  
Request for Experimental Authorization – MM Docket No. 99-325

Dear Ms. Dortch:

Entercom Portland License, LLC hereby requests Experimental Authorization to institute "multicast audio streams" within the recently requested KYCH-FM IBOC STA operation. For reference, a copy of the STA request is attached. Entercom Portland will employ the advanced audio coding technology that has been demonstrated by National Public Radio and others.

Pursuant to §73.1510 Entercom Portland License, LLC intends to provide one or more continuous multicast program streams on Supplemental Program Service channel(s) 24 hours a day.

In the event of interference, questions should be directed to Entercom Portland License, LLC's local technical representative:

Mr. Gary Hilliard  
(503) 535-0468

The undersigned is the Vice President of Engineering for Entercom Portland License, LLC, and represents that neither Entercom Portland License, LLC, nor any party holding an attributable interest in Entercom Portland License, LLC, is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862.

Martin D. Hadfield  
Vice President-Engineering  
Entercom Portland License, LLC

Cc: Brian Madden, Esq.  
Entercom Portland License, LLC (Local File)

FEDERAL COMMUNICATIONS COMMISSION  
445 TWELFTH STREET SW  
WASHINGTON DC 20554

MEDIA BUREAU  
AUDIO DIVISION  
APPLICATION STATUS: (202) 418-2730  
HOME PAGE: [www.fcc.gov/mb/audio/](http://www.fcc.gov/mb/audio/)

ENGINEER: CHARLES N. (NORM) MILLER  
TELEPHONE: (202) 418-2767  
FACSIMILE: (202) 418-1410  
E-MAIL: [charles.miller@fcc.gov](mailto:charles.miller@fcc.gov)

February 3, 2006

John W. Price  
Entercom Communications Corp.  
1820 Eastlake Avenue East  
Seattle, Washington 98102

Re: KYCH-FM, Portland, Oregon  
Facility Identification Number: 35034  
Entercom Portland License, LLC  
Special Temporary Authority  
Hybrid IBOC Digital Operation

Dear Mr. price:

This is in reference to the request filed January 17, 2006, on behalf of Entercom Portland License, LLC ("Entercom"). Entercom requests special temporary authority ("STA") to operate Station KYCH-FM with a hybrid digital signal,<sup>1</sup> pursuant to the *First Report and Order* in MM Docket No. 99-325 ("*Report and Order*").<sup>2</sup> Entercom proposes operation with separate analog and digital antennas, pursuant to the Public Notice issued March 17, 2004 ("*Public Notice*").<sup>3</sup> Our review indicates that the proposed operation complies with the requirements of the Public Notice.

Accordingly, the request for STA IS HEREBY GRANTED. Station KYCH-FM may operate with a hybrid digital signal as defined in the *Report and Order*.<sup>4</sup> The digital signal will be transmitted via licensed auxiliary antenna BLH-19950606KD. The digital transmitter power

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<sup>1</sup> KYCH-FM is licensed for analog operation on Channel 246C (97.1 MHz) with effective radiated power of 100 kilowatts (H&V) and antenna height above average terrain of 386 meters.

<sup>2</sup> *Digital Audio Broadcasting Systems and Their Impact on the Terrestrial Radio Broadcast Service*, MM Docket No. 99-325, *First Report and Order*, (October 11, 2002).

<sup>3</sup> *Public Notice*, "Use of Separate Antennas to Initiate Digital FM Transmissions Approved", MM Docket No. 99-325, DA 04-712 (October 17, 2004).

<sup>4</sup> See *Report and Order*, Appendix B.

output will be 0.875 kilowatt. The analog transmitter power output will be 35 kilowatts. Entercom must use whatever means are necessary to protect workers and the public from exposure to radio frequency radiation in excess of the Commission's exposure guidelines; *See* 47 CFR § 1.1310. Pursuant to 47 CFR Section 73.1635(b), this authority may be modified or cancelled by the Commission without notice or right to hearing. Entercom must post a copy of this authority with the station license. Any subsequent modification of the licensed analog facilities will require a modification of this authority.

This authority expires on **August 3, 2006**.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles N. Miller". The signature is fluid and cursive, with the first name "Charles" being the most prominent.

Charles N. Miller, Engineer  
Audio Division  
Media Bureau

cc: Entercom Portland License, LLC

Postcard Authorization

Date: 05/02/2005  
Call Sign Request #31506

This is to acknowledge the  
ASSIGNMENT of call sign KYCH-FM that  
was requested on 04/22/2005 by  
ANDREW SUTOR  
ENTERCOM PORTLAND LICENSE, LLC (DE)  
401 CITY AVENUE, SUITE 809  
BALA CYNWYD PA 19004-

Effective 04/29/2005,  
the call letters of FM broadcast  
station KKSJ-FM located in  
PORTLAND, OR  
Facility Id: 35034  
are hereby changed to KYCH-FM.

This postcard is considered  
part of your station license or  
construction permit pending  
issuance of an authorization  
incorporating the new call sign.

13004+1130 13

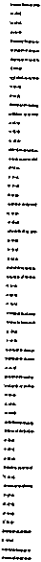
FCC 372 (12/98) NOTIFICATION

FEDERAL COMMUNICATIONS  
COMMISSION  
WASHINGTON, DC 20554

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

ENTERCOM PORTLAND LICENSE, LLC (DE)  
401 CITY AVENUE, SUITE 809  
BALA CYNWYD PA 19004-

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COMMUNICATIONS  
COMMISSION  
PERMIT NO. G111



L I C E N S E   R E N E W A L   A U T H O R I Z A T I O N

RUN DATE: 01/20/99

THIS IS TO NOTIFY YOU THAT YOUR  
APPLICATION FOR RENEWAL OF LICENSE,  
BRH-971001R6, WAS GRANTED ON  
1/27/1998 FOR A TERM EXPIRING  
ON 2/1/2006

THIS IS YOUR LICENSE RENEWAL,  
AUTHORIZATION FOR STATION KRSN-FM  
FACILITY ID: 35034  
LOCATION: PORTLAND, OR

THIS ALSO IS THE RENEWAL CERTIFICATE  
FOR YOUR CURRENTLY AUTHORIZED  
AUXILIARY SERVICES.

THIS CARD MUST BE POSTED WITH THE  
STATION'S LICENSE CERTIFICATE AND  
ANY SUBSEQUENT MODIFICATIONS.

FCT LICENSE COMPANY, L. P.  
KRSN-FM FM STATION  
401 CITY AVENUE  
SUITE 409  
BALA CYNWYD, PA 19004

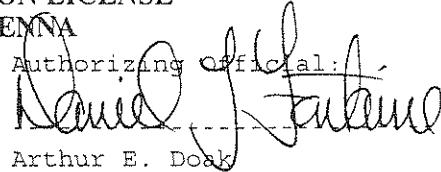


United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**  
**AUXILIARY ANTENNA**

Official Mailing Address:  
 -----

KKSN, INC.  
 ONE GALLERIA TOWER  
 13355 NOEL ROAD, BOX 21  
 DALLAS, TX 75240

Authorizing Official:

*for*   
 Arthur E. Doak  
 Supervisory Engineer, FM Branch  
 Audio Services Division  
 Mass Media Bureau

Grant Date: SEP 28 1995

Call Sign: KKSN-FM

This license expires 3:00 a.m.  
 local time, February 01, 1998

License File No.: BLH-950606KD

This license covers permit No.: BPH-9309161B

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Name of Licensee:

KKSN, INC.

Station Location:

OR-PORTLAND

Frequency (MHz): 97.1

Channel: 246

Class: C

Hours of Operation: Unlimited -- For auxiliary purposes only

Main Studio Address:

OR-5005 S.W. MACADAM AVENUE, PORTLAND

Transmitter location (address or description):

OR-4700 S.W. COUNCIL CREST, PORTLAND.

Remote Control Point Address:

OR - 5005 S.W. MACADAM AVENUE, PORTLAND

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

Transmitter output power: 35 kW

Antenna type: (directional or non-directional): Non-Directional

Description: ERI G5CPS-4AC-HW, 4 SECTIONS HALF WAVELENGTH SPACED

Antenna Coordinates: North Latitude : 45 29 20  
 West Longitude : 122 41 40

|  | Horizontally<br>Polarized<br>Antenna | Vertically<br>Polarized<br>Antenna |
|--|--------------------------------------|------------------------------------|
| Effective radiated power in the<br>Horizontal Plane (kW).....:     | 40                                   | 40                                 |
| Height of radiation center above<br>ground (Meters).....:          | 89                                   | 89                                 |
| Height of radiation center above<br>mean sea level (Meters).....:  | 399                                  | 399                                |
| Height of radiation center above<br>average terrain (Meters).....: | 305                                  | 305                                |

Overall height of antenna structure above ground  
 (including obstruction lighting if any): 184 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303 (q) of the Communications Act of 1934, as amended.

## PARAGRAPH 01.0, FCC FORM 715 (OCTOBER 1985):

Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1 and 1/2 feet in width. All towers shall be cleaned and repainted as often as necessary to maintain good visibility.

## PARAGRAPH 03.0, FCC FORM 715 (APRIL 1985):

There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

## PARAGRAPH 04.0, FCC FORM 715 (APRIL 1985):

At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

## PARAGRAPH 13.0, FCC FORM 715 (APRIL 1985):

On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 116- or 125-watt lamp (A21/TS) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

## PARAGRAPH 21.0, FCC FORM 715 (APRIL 1985):

All lighting shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.





Special operating conditions or restrictions:

1. 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 radiation in excess of FCC guidelines.

\*\*\* END OF AUTHORIZATION \*\*\*

FEDERAL COMMUNICATIONS  
COMMISSION  
WASHINGTON, DC 20554  

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OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

FIRST CLASS MAIL  
POSTAGE & FEES PAID  
FEDERAL  
COMMUNICATIONS  
COMMISSION  
PERMIT NO. G111

THIS IS TO NOTIFY YOU THAT YOUR  
APPLICATION FOR  
TRANSFER OF CONTROL

WAS GRANTED ON 08-19-97

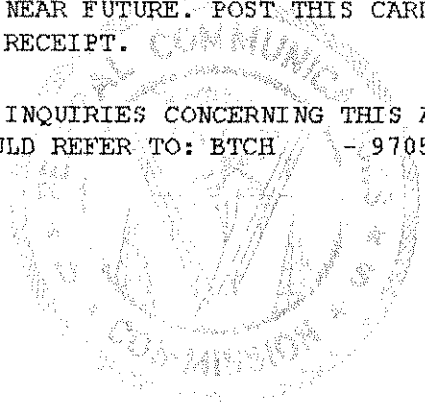
FREQUENCY: 97.1 MHZ

LOCATION: PORTLAND, OR

YOUR AUTHORIZATION WILL BE ISSUED IN  
THE NEAR FUTURE. POST THIS CARD PENDING  
ITS RECEIPT.

ALL INQUIRIES CONCERNING THIS APPLICATION  
SHOULD REFER TO: BTCH - 970519YJ

KKSN, INC.  
KKSN-FM FM STATION  
ONE GALLERIA TOWER  
13355 NOEL ROAD, #1500  
DALLAS, TX 75240



FCC 372 (4/85) NOTIFICATION

United States of America  
 FEDERAL COMMUNICATIONS COMMISSION  
 RADIO BROADCAST STATION LICENSE

SERVICE: AUXILIARY BROADCAST  
 CLASS: R/P BASE MOBILE SYSTEM  
 LICENSEE NAME: KKSX INC

CALL SIGN: KPL-709  
 FILE NO: BPLRE-880819MA  
 ASSOCIATED BROADCAST STATION: KKSX(FM)

PO

TRANSMITTER LOCATION: 4700 SW COUNCIL CRES  
 CITY: PORTLAND ST: OR CNTY: MULTOMAH  
 MOBILE AREA OF OPERATION: PORTLAND, CA

HOURS OF OPERATION - UNLIMITED

LATITUDE: 45 29 20 N  
 LONGITUDE: 122 41 40 W

ANTENNA SYSTEM  
 GROUND: 1019 FT AMSL  
 OVERALL HEIGHT: 45 FT AG  
 ANTENNA CENTER OF RADIATION: 1064 FT AG  
 AZIMUTH: ° TRUE

SEND TO  
 KKSX INC  
 4700 SW COUNCIL CRES DR  
 PORTLAND OR 97207

PAINTING/LIGHTING SPECS: NONE

| FREQUENCY(IES)<br>(MHZ) | EMISSION | MOBILE RANGE | POWER<br>(WATTS) | TRANSMITTER APPARATUS | MOBILE RANGE | POWER<br>(WATTS) |
|-------------------------|----------|--------------|------------------|-----------------------|--------------|------------------|
| 450.8000                | 50F3     | 1 TO 5       | MAR11            | RPT-30                | 30.450       | W                |
| 450.8500                |          |              |                  |                       |              |                  |
| 455.8000                |          |              |                  |                       |              |                  |
| 455.8500                |          |              |                  |                       |              |                  |

SPECIAL CONDITIONS:

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this permit, authority is hereby granted to construct a radio broadcast station located and described as above.  
 Equipment and program tests shall be conducted only pursuant to Sections 74.13 and 74.14 of the Commission Rules.  
 This permit shall be forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee. See Section 1.599 of the Commission Rules.

THIS AUTHORIZATION EFFECTIVE: 11/04/88 AND WILL EXPIRE AT 3:00 A.M. EST 02/01/91

K





**UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION**



**ANTENNA STRUCTURE REGISTRATION**

Part 17 of the FCC rules requires you to: (1) immediately provide a copy of this registration to each FCC licensed tenant of your structure (although not required, you may want to use Certified Mail to obtain proof of receipt); and, (2) display the Registration Number in a conspicuous place visible near the base of the structure (unless a government entity objects, in writing, to the display near a historic landmark).

|  |   |
|--|---|
| <b>Owner:</b><br><br>AK MEDIA GROUP INC<br>KELLY D ALFORD<br>1301 5TH AVE STE 4000<br>SEATTLE WA 98101   | <b>Registration Number:</b><br><br>1033770  |
| <b>Location of Antenna Structure:</b><br><br>4700 COUNCIL CREST DR<br>PORTLAND OR  | <b>Issue Date:</b><br><br>12/19/97<br><br><b>Ground Elevation:</b><br>310.3 meters<br><br><b>Overall Height Above Ground (AGL):</b><br>183.8 meters |
| <b>Latitude</b> <b>Longitude</b><br><br>N45-29-20                      W122-41-40                      NAD 27  | <b>Overall Height Above Mean Sea Level (AMSL):</b><br>494.1 meters  |
| <b>Painting and Lighting Requirements:</b><br>Paint and Light in Accordance with FAA Circular Number 70/7460-1G<br>Chapters 3, 4, 5, 9<br><b>Special Conditions:</b> |   |

FEDERAL COMMUNICATIONS  
COMMISSION  
WASHINGTON, DC 20554

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

FIRST CLASS MAIL  
POSTAGE & FEES PAID  
FEDERAL  
COMMUNICATIONS  
COMMISSION  
PERMIT NO. G111

THIS IS TO NOTIFY YOU OF ACCEPTANCE  
FOR FILING OF APPLICATION RECEIVED ON  
08-05-97

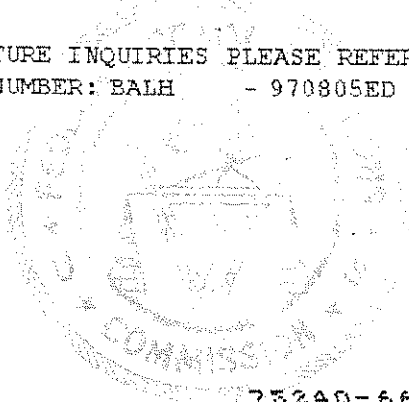
ASSIGNMENT OF LICENSE

FREQUENCY: 105.1 MHZ

LOCATION: SALEM, OR

THIS NOTIFICATION DOES NOT IMPLY  
GRANT OF APPLICATION, OR AUTHORITY  
TO CONSTRUCT OR OPERATE THIS STATION.

IN FUTURE INQUIRIES PLEASE REFER TO  
FILE NUMBER: BALH - 970805ED

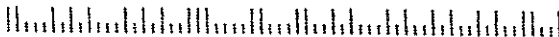


75240-6633 70

FCC 372 (4/95) NOTIFICATION

18:42 08/12/97 DCR#4 ISS#631 WGMF DC 200

KKSN, INC.  
KKRH FM STATION  
ONE GALLERIA TOWER  
13355 NOEL ROAD, #1500  
DALLAS, TX 75240



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08-05-97

ASSIGNMENT OF LICENSE

FREQUENCY: 97.1 MHZ

LOCATION: PORTLAND, OR

THIS NOTIFICATION DOES NOT IMPLY  
GRANT OF APPLICATION, OR AUTHORITY  
TO CONSTRUCT OR OPERATE THIS STATION.

IN FUTURE INQUIRIES PLEASE REFER TO  
FILE NUMBER: BALH - 970805EC



75240-6633 70

FCC 372 (4/95) NOTIFICATION

KKSN, INC.  
KKSN-FM FM STATION  
ONE GALLERIA TOWER  
13355 NOEL ROAD, #1500  
DALLAS, TX 75240

