

Authorization

AUTHORIZATION

AUTHORIZATION: Is a copy of the current FCC authorization (license) to construct or operate the station being maintained in the public file? [See 73.3526(e)(1) or 73.3527(e)(1)]



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST TRANSLATOR/BOOSTER STATION
CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

IOWA CITY BROADCASTING COMPANY, INC.
PO BOX 16683
5100 W 36TH STREET
MINNEAPOLIS MN 55416

James D. Bradshaw
Deputy Chief
Audio Division
Media Bureau

Facility Id: 200070

Call Sign: K227DF

Permit File Number: BNPFT-20171206AAK

Grant Date: January 18, 2018

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

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.

Name of Permittee: IOWA CITY BROADCASTING COMPANY, INC.

Principal community to be served: MN-THEIF RIVER FALLS

Primary Station: KTRF (AM) , Frequency 1230 kHz, THIEF RIVER FALLS, MN

Via: Other

Frequency (MHz): 93.3

Channel: 227

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 48 deg 07 min 47 sec
West Longitude: 96 deg 11 min 11 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules

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

Major lobe directions (degrees true): Not Applicable

	Horizontally	Vertically
	Polarized	Polarized
	Antenna:	Antenna:

Effective radiated power in the Horizontal Plane (kw):	0.25	0.25
Height of radiation center above ground (Meters):	52	52
Height of radiation center above mean sea level (Meters):	396	396

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 56 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.

None Required

Special operating conditions or restrictions:

1 Pursuant to Revitalization of the AM Radio Service, Notice of Proposed Rule Making, 28 FCC Rcd 15221, 15227, para. 14 (2013), and First Report and Order, 30 FCC Rcd 12145, 12154, para. 17 and n. 43 (2015), the permittee and any successor in interest (licensee, transferee, or assignee) shall be subject to the following restrictions: (1) this facility may only, in perpetuity, be used to rebroadcast the authorized facilities of the AM primary station set forth in this construction permit, except that it may also originate nighttime programming if the AM primary station set forth in this construction permit is not authorized regular nighttime service, and then only during periods of the broadcast day when the primary AM station is not regularly authorized to operate; (2) if the AM primary station is operating with reduced facilities, this cross-service FM translator facility may only operate if its coverage contour conforms to the limits set forth in 47 CFR Section 74.1201(g) as applied to the reduced facilities of the AM primary station; (3) the authorization for this facility may not be assigned or transferred except in conjunction with the primary AM station set forth in this construction permit; and (4) if the authorization of the AM primary station set forth in this construction permit is rescinded, revoked, surrendered, subject to special temporary authorization (STA) to remain silent, or is otherwise suspended from operation, the authorization of this cross-service FM translator station shall likewise be rescinded, revoked, surrendered, silent for the duration of the AM primary station's STA to remain silent, or suspended from operation. Minor modifications of this authorization are permitted, provided that the translator meets all of the preceding conditions. Grant of this authorization is conditioned on the common ownership, in perpetuity, of this facility and the specified AM primary station. Any violation of this condition shall result in the rescission of the grant of this authorization and the dismissal, with prejudice, of the associated application and, if applicable, cancellation of the associated construction permit.

2 This construction permit authorizes the mounting of an antenna on the nondirectional tower of the AM station identified below. During the installation of the antenna, the AM station shall determine operating power by the indirect method (see Section 73.51 of the Commission's Rules). Upon completion of the antenna installation, antenna impedance measurements on the AM antenna shall be made. If the resistance of the AM antenna has changed by more than 2 percent from the licensed value (see Section 73.45(c)(1) of the Commission's Rules), an application for the AM station to return to direct power measurement, including a tower sketch of the installation, shall be filed with the Commission by the AM station licensee using form FCC 302-AM. (See Section 1.30003 of the Commission's Rules.) The permittee must submit confirmation of completion of the requirements of this condition in the application for license to cover this construction permit.

Station KTRF(AM), Thief River Falls, MN, 1230 kHz

3 BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 350-FM application for license.

Special operating conditions or restrictions:

- 4 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.

- 5 Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

*** END OF AUTHORIZATION ***

Federal Communications Commission Washington, D.C. 20554 <p style="text-align: center;">FCC 397</p>	Approved by OMB 3060-0922 (September 2002)	FOR FCC USE ONLY FOR COMMISSION USE ONLY FILE NO. - 20161128ADC
BROADCAST MID-TERM REPORT		

Legal Name of the Licensee
 IOWA CITY BROADCASTING COMPANY, INC.

Mailing Address
 PO BOX 16683
 5100 W 36TH STREET

City MINNEAPOLIS	State or Country (if foreign address) MN	Zip Code 55416 - 0683
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Telephone Number (include area code) 9529134017	E-Mail Address (if available)
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FCC Registration Number 0002586030	Facility ID Number 3244	Call Sign KKAQ
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TYPE OF BROADCAST STATION:	Commercial Broadcast Station <input checked="" type="radio"/> Radio <input type="radio"/> TV <input type="radio"/> Low Power TV <input type="radio"/> International	Noncommercial Broadcast Station <input type="radio"/> Educational Radio <input type="radio"/> Educational TV
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Application Purpose

New Program Report

Amendment to Program Report

List call sign and location of all stations included on this report. List commonly owned stations that share one or more employees. Also list stations operated by the licensee pursuant to a time brokerage agreement. Indicate on the table below which stations are operated pursuant to a time brokerage agreement. To the extent that licensees include stations operated pursuant to a time brokerage agreement on this report, responses or information provided in Sections I through III should take into consideration the licensee's EEO compliance efforts at brokered stations, as well as any other stations, included on this form. For purposes of this form, a station employment unit is a station or a group of commonly owned stations in the same market that share at least one employee.

[Station List]

Station List

List call sign and location of all stations included on this report. List commonly owned stations that share one or more employees. Also list stations operated by the licensee pursuant to a time brokerage agreement. Indicate on the table below which stations are operated pursuant to a time brokerage agreement. To the extent that licensees include stations operated pursuant to a time brokerage agreement on this report, responses or information provided in Sections I through III should take into consideration the licensee's EEO compliance efforts at brokered stations, as well as any other stations, included on this form. For purposes of this form, a station employment unit is a station or a group of commonly owned stations in the same market that share at least one employee.

Call Sign	Facility ID Number	Type (check applicable box)	Location (City/State)	Time Brokerage Agreement (check applicable box)
KKAQ	3244	<input checked="" type="radio"/> AM <input type="radio"/> FM <input type="radio"/> TV	THIEF RIVER FALLS, MN	<input type="radio"/> Yes <input checked="" type="radio"/> No
KKDQ	3245	<input type="radio"/> AM <input checked="" type="radio"/> FM <input type="radio"/> TV	THIEF RIVER FALLS, MN	<input type="radio"/> Yes <input checked="" type="radio"/> No
KTRF	73627	<input checked="" type="radio"/> AM <input type="radio"/> FM <input type="radio"/> TV	THIEF RIVER FALLS, MN	<input type="radio"/> Yes <input checked="" type="radio"/> No
KTRF-FM	189577	<input type="radio"/> AM <input checked="" type="radio"/> FM <input type="radio"/> TV	RED LAKE FALLS, MN	<input type="radio"/> Yes <input checked="" type="radio"/> No

SEND NOTICES AND COMMUNICATIONS TO THE FOLLOWING NAMED PERSON AT THE ADDRESS INDICATED BELOW:

Name DAWN M. SCIARRINO, ESQ.		Street Address 4601 N. FAIRFAX DRIVE SUITE 1200	
City ARLINGTON	State VA	Zip Code 22203-	Telephone Number 2022569551

FILING INSTRUCTIONS

Broadcast station licensees are required to afford equal employment opportunity to all qualified persons and to refrain from discriminating in employment and related benefits on the basis of race, color, national origin, religion, and sex. See 47 C.F.R. Section 73.2080. Pursuant to these requirements, a television station employment unit that employs five or more full-time station employees must file a full and complete Broadcast Mid-Term Report. If a television station employment unit employs fewer than five full-time employees, only the first two pages of this report need be filed [through Section I and the Certification].

A copy of this Mid-Term Report must be kept in the station's public file. Failure to meet these requirements may result in sanctions or remedies. These requirements are contained in 47 C.F.R. Section 73.2080 and are authorized by the Communications Act of 1934, as amended.

Consider as "full-time" employees all those permanently working 30 or more hours a week.

Section I

Does your station employment unit employ fewer than five full-time employees, if television, or fewer than eleven full-time employees, if radio?

Yes No

If yes, you do not have to file this form with the FCC. However, you have the option to complete the certification below, return the form to the FCC, and place a copy in your station(s) public file. You do not have to complete the rest of this form. If your station employment unit employs five or more full-time employees, if television, or eleven or more full-time employees, if radio, you must complete all of this form and follow all instructions.

CERTIFICATION

This report must be certified, as follows:

- A. By licensee, if an individual;
- B. By a partner, if a partnership (general partner, if a limited partnership);
- C. By an officer, if a corporation or an association; or
- D. By an attorney of the licensee, in case of physical disability or absence from the United States of the licensee.

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 PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify to the best of my knowledge, information and belief, all statements contained in this report are true and correct.

Signed	Name of Respondent TOR H. INGSTAD FOR IOWA CITY BROADCASTING COMPANY, INC.
Title OWNER	Telephone No. (include area code) 9529134017
Date 11/28/2016	

GENERAL POLICY

A broadcast station must provide equal employment opportunity to all qualified individuals without regard to their race, color, national origin, religion or sex in all personnel actions including recruitment, evaluation, selection, promotion, compensation, training and termination.

Section II

RESPONSIBILITY FOR IMPLEMENTATION

A broadcast station must assign a particular official overall responsibility for equal employment opportunity at the station. That official's name and title are:

Name:	Title:
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It is also the responsibility of all persons at a broadcast station making employment decisions with respect to recruitment, evaluation, selection, promotion, compensation, training and termination of employees to ensure that no person is discriminated against in employment because of race, color, religion, national origin or sex.

Section III

MID-TERM REPORT

Television station employment units with five or more full-time employees and radio station employment units with more than ten full-time employees filing in the middle of the license term must attach a copy of each of the two most recent EEO public file reports (the reports from this year and last year). Stations are required to place annually such information as is required by 47 C.F.R. Section 73.2080 in their public files.

[Exhibit 1]

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

We have estimated that each response to this collection of information will average 30 minutes. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0922), Washington, D.C. 20554. We will also accept your comments via the Internet if you send them to PRA@fcc.gov. Remember - you are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0922.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, P.L. 104-13, OCTOBER 1, 1995, 44 U.S.C. 3507.

Exhibits

**FEDERAL COMMUNICATIONS COMMISSION
445 TWELFTH STREET SW
WASHINGTON DC 20554**

**MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS:** (202) 418-2730
HOME PAGE: www.fcc.gov/media/radio/audio-division

ENGINEER: Joseph Szczesny
TELEPHONE: (202) 418-2700
FACSIMILE: (202) 418-1410
E-MAIL: Joseph.Szczesny@fcc.gov

November 28, 2016

Tor H. Ingstad
Iowa City Broadcasting Company, Inc.
7373 Kirkwood Ct N, #300
Maple Grove, MN 55369

Re: Iowa City Broadcasting Company, Inc. (ICBC)
KTRF(AM), Thief River Falls, MN
Facility Identification Number: 73627
Special Temporary Authority (STA)
BESTA-20161031ABF

Dear Mr. Ingstad:

This is in reference to the request filed on October 31, 2016. ICBC requests an extension of the STA granted on September 16, 2015, to operate with reduced power due to the replacement of the tower and ground system repairs.¹ In support of the request, ICBC stated that it has retained a consulting engineer to prepare and file the required FCC Form 302 application to update all operating parameters.

Requests for extension of STA will be granted only where the licensee can show that one or more of the following criteria have been met:

- Restoration of licensed facilities is complete and testing is underway;
- Substantial progress has been made during the most recent STA period toward restoration of licensed operation; or
- No progress has been made during the most recent STA period for reasons clearly beyond the licensee's control, and the licensee has taken all possible steps to expeditiously resolve the problem.

Accordingly, the request for extension of STA IS HEREBY GRANTED, and station KTRF(AM) may continue to operate using the new tower with reduced power. ICBC 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. We anticipate that

¹ KTRF(AM) is licensed for day and night ND operation on 1230 kHz with 1 kW.

Microwave Coordination Data
Terrestrial RF Licensing, Inc.

Prior Coordination Number: Mod WPVS915
 20150211-2115-12915-C

Coordination Date:
 February 13, 2015

Transmitter Information

Receiver Information

<u>Location</u>		<u>Location</u>	
Name	STUDIO	Name	105.1 TRANSMITTER SITE
Lat / Lon (NAD-83)	42-01-31.7 N 093-36-58.9 W	Lat / Lon (NAD-83)	42-04-38.0 N 093-38-55.0 W
Street Address	415 MAIN STREET, AMES, IA	Street Address	2626 WEST 190TH STREET, AMES, IA
Antenna Structure Registration #	NONE	Antenna Structure Registration #	1019015
Ground Elevation AMSL (m)	281.6	Ground Elevation AMSL (m)	292.6
<u>Antenna</u>		<u>Antenna</u>	
Manufacturer	SCALA	Manufacturer	SCALA
Model	PR-950 (V)	Model	PR-950 (V)
Gain (dB)	18.2	Gain (dB)	18.2
Beamwidth (Deg.)	12.0	Beamwidth (Deg.)	12.0
Tilt (Deg.)	0.5		
Azimuth (Deg.)	335.2		
Radiation Center AGL (m)	17.1	Radiation Center AGL (m)	61.0
<u>Transmitter</u>			
Manufacturer	HARRIS		
Model	CDL950T (CD-LINK)		
Emission Designator	300KD7W / 1260 / 32 QAM		
Power (W)	2.0		
Tolerance/Stability	0.00500		
<u>Transmit Path</u>			
Path Length (m)	6,338		
Transmit Line Loss	1.32	Receive Line Loss	3.01
EIRP (dBmW)	49.9		
Frequency (MHz)	945.500		
Polarization	V		



Federal Communications Commission
 Wireless Telecommunications Bureau
 1270 Fairfield Road
 Gettysburg, PA 17325-7245

APPLICATION NOTIFICATION LETTER

INGSTAD BROTHERS BROADCASTING, LLC
 7373 KIRKWOOD CT N #300
 MAPLE GROVE, MN 55369

Date: 02/19/2015
 Reference Number: 5949880

The Commission is acknowledging receipt of your application(s).

Call Sign	Radio Service	File Number	Purpose
WPJE627	AS	0006675936	MD
WPJE626	AS	0006676043	MD

If you believe an error has occurred, please call the Commission at (877) 480-3201 (TTY 717-338-2824).
 To provide quality service and ensure security, all telephone calls are recorded.



2625 S. Memorial Drive, Suite A
Tulsa, OK 74129



Frequency Coordinator

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

Attention Callsign - WMG497

February 25, 2015

Prior Coordination Notice:
PRAIRIE BROADCASTING COMPANY

Transmit Source:
Long Prairie, MN

System Description:
Modify WLJ861 STL
@ 946.0375(V) 946.0625(V) MHz

Coordination Number:
20150213-115629-49823

Dear Frequency Coordinator:

Terrestrial RF Licensing, Inc. has completed an interference analysis on behalf of licensee PRAIRIE BROADCASTING COMPANY for the system described in the attached specifications. Our analysis indicates that the proposed system's transmit site will be located near the transmit or receive facilities of one or more Broadcast Auxiliary Service system(s) licensed to you. In accordance with the regulations set forth in Â§ 101.103(d) of the FCC Rules, we are herein providing the technical parameters of the proposed system for your review.

If you have an objection to our proposal, do let us know via phone or mail (be sure to mention the coordination number given above). **If you have no objections to our proposal, there is no need to contact us.** If we receive no objections to this proposal within 30 days from the date of this letter, we will assume that you have no objection to the proposed system.

Should you have any questions or require additional information on this coordination notice, feel free to contact me at 888-373-4832.

Sincerely,

Billie Layman
Microwave Coordinator
Terrestrial RF Licensing, Inc.
contact@rflicensing.com

Enclosure(s)

Microwave Coordination Data
Terrestrial RF Licensing, Inc.

PCN:
20150213-115629-49823

Coordination Date:
02/25/2015

Modify WLJ861 STL @ 946.0375, 946.0625(V) MHz

Transmitter Information

Receiver Information

<u>Location</u>		<u>Location</u>	
Name	KEYL/KXDL	Name	KXDL Transmitter
Lat / Lon (NAD-83)	45-58-25.00N	Lat / Lon (NAD-83)	46-03-11.59N
	94-51-42.00W		94-50-48.98W
Street Address	221 Central Ave. Suite 6, Long Prairie, MN	Street Address	29260 County 5, Browerville, MN
Antenna Structure Registration #		Antenna Structure Registration #	1025243
Ground Elevation AMSL (m)	406.3	Ground Elevation AMSL (m)	400.2
<u>Antenna</u>		<u>Antenna</u>	
Manufacturer	Scala	Manufacturer	Scala
Model	PR-4504	Model	PR-4504
Gain (dB)	15.50	Gain (dB)	15.50
Beamwidth (Deg.)	12.00	Beamwidth (Deg.)	12.00
Tilt (Deg.)	0.09		
Azimuth	7.31		
Radiation Center AGL (m)	10.7	Radiation Center AGL (m)	31.0
<u>Transmitter</u>			
Manufacturer	Marti		
Model	STL 10		
Emission Designator	200KF3E		
Power (W)	10.00		
Tolerance/Stability	0.00025		
<u>Transmit Path</u>		<u>Receive Path</u>	
Path Length (m)	8922.00		
Transmit Line Loss	1.7546	Receive Line Loss	1.1483
EIRP (dBmW)	53.7		
Frequency (MHz)	946.0375, 946.0625		
Polarization	V		



2625 S. Memorial Drive, Suite A
Tulsa, OK 74129



Frequency Coordinator

INGSTAD BROTHERS BROADCASTING, LLC
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

Attention Callsign - WPJE627

February 19, 2015

Prior Coordination Notice:
MINN-IOWA CHRISTIAN BROADCASTING,
INC.

Transmit Source:
Eagle Grove, IA

System Description:
Modify WMU324 STL @ 945.712(V) MHz

Coordination Number:
20150204-142857-30262

Dear Frequency Coordinator:

Terrestrial RF Licensing, Inc. has completed an interference analysis on behalf of licensee MINN-IOWA CHRISTIAN BROADCASTING, INC. for the system described in the attached specifications. Our analysis indicates that the proposed system's transmit site will be located near the transmit or receive facilities of one or more Broadcast Auxiliary Service system(s) licensed to you. In accordance with the regulations set forth in AS 101.103(d) of the FCC Rules, we are herein providing the technical parameters of the proposed system for your review.

If you have an objection to our proposal, do let us know via phone or mail (be sure to mention the coordination number given above). **If you have no objections to our proposal, there is no need to contact us.** If we receive no objections to this proposal within 30 days from the date of this letter, we will assume that you have no objection to the proposed system.

Should you have any questions or require additional information on this coordination notice, feel free to contact me at 888-373-4832.

Sincerely,

Billie Layman
Microwave Coordinator
Terrestrial RF Licensing, Inc.
contact@rflicensing.com

Enclosure(s)

(FOR TECHNICAL DATA, REFER TO THE BACK OF THIS SHEET)

Microwave Coordination Data
Terrestrial RF Licensing, Inc.

PCN:
 20150204-142857-30262
 Modify WMU324 STL @ 945.712(V) MHz

Coordination Date:
 02/19/2015

Transmitter Information

Receiver Information

<u>Location</u>		<u>Location</u>	
Name	Studio Site	Name	Transmitter Site
Lat / Lon (NAD-83)	42-39-52.36N	Lat / Lon (NAD-83)	42-39-18.00N
	93-54-07.65W		93-59-25.01W
Street Address	105 W Broadway, Eagle Grove, IA	Street Address	2724 Xenia Avenue, Eagle Grove, IA
Antenna Structure Registration #		Antenna Structure Registration #	1017259
Ground Elevation AMSL (m)	337.1	Ground Elevation AMSL (m)	345.0
<u>Antenna</u>		<u>Antenna</u>	
Manufacturer	Scala	Manufacturer	Scala
Model	MF-950B	Model	MF-950B
Gain (dB)	16.20	Gain (dB)	16.20
Beamwidth (Deg.)	16.00	Beamwidth (Deg.)	16.00
Tilt (Deg.)	0.18		
Azimuth	261.65		
Radiation Center AGL (m)	15.5	Radiation Center AGL (m)	30.5
<u>Transmitter</u>			
Manufacturer	Moseley		
Model	SL9003Q		
Emission Designator	500KD7W 2048 64 QAM		
Power (W)	1.00		
Tolerance/Stability	0.00001		
<u>Transmit Path</u>		<u>Receive Path</u>	
Path Length (m)	7305.00		
Transmit Line Loss	2.7000	Receive Line Loss	2.8627
EIRP (dBmW)	43.5		
Frequency (MHz)	945.7125		
Polarization	V		



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: IOWA CITY BROADCASTING COMPANY, INC.

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

KTRF

Call Sign KH9373	File Number
Radio Service RP - Broadcast Auxiliary Remote Pickup	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0002586030

Grant Date 03-15-1977	Effective Date 03-15-1977	Expiration Date 04-01-2021	Print Date 05-18-2013
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of Operation
Other: VIC:THIEF RIVER FALL MN

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	000161.73000000	MO	1		30K0F3E	30.000				

Broadcast Auxiliary Parent Station Facility ID Number. 73627

Waivers/Conditions:

NONE

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

LICENSEE: IOWA CITY BROADCASTING COMPANY, INC.

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

Call Sign KB55039	File Number
Radio Service RP - Broadcast Auxiliary Remote Pickup	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0002586030

Grant Date 10-28-1983	Effective Date 10-28-1983	Expiration Date 04-01-2021	Print Date 05-18-2013
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of Operation
Other:48 KMRA WILLMAR MN

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	000455.05000000	MO	1		50K0F3E	5.000	48.000			

Broadcast Auxiliary Parent Station Facility ID Number. 33311

Waivers/Conditions:

NONE

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

LICENSEE: IOWA CITY BROADCASTING COMPANY, INC.

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

Call Sign KA95398	File Number
Radio Service RP - Broadcast Auxiliary Remote Pickup	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0002586030

Grant Date 06-21-1983	Effective Date 06-21-1983	Expiration Date 04-01-2021	Print Date 05-18-2013
---------------------------------	-------------------------------------	--------------------------------------	---------------------------------

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of Operation
Other:48 KMRA WILLMAR MN

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	000161.73000000	MO	1		30K0F3E	40.000				

Broadcast Auxiliary Parent Station Facility ID Number. 33310

Waivers/Conditions:

NONE

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

LICENSEE: IOWA CITY BROADCASTING COMPANY, INC.

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N #300
MAPLE GROVE, MN 55369

Call Sign WVG497	
File Number	
Radio Service AS - Aural Studio Transmitter Link	
SMSA	Station Class FXO

FCC Registration Number (FRN): 0002586030

Grant Date 08-30-1993	Effective Date 08-30-1993	Expiration Date 04-01-2021	Print Date 05-18-2013
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LOCATION

Fixed Location Address or Area of Operation:

730 NE HWY 71

City: WILLMAR

County: KANDIYOHI

State: MN

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001		45-07-12.8 N	095-01-51.0 W	342.6	
002		45-01-22.8 N	095-15-58.0 W		

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi) Reflector Ht(m)xWd(m)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
946.0		500KF9W	37.200		001	1	001	29.3		24.0	H	232.0	002	

Waivers/Conditions:

The Facility ID of the Associated Broadcast Parent Station for this license is 33310.

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.

LICENSE RENEWAL AUTHORIZATION

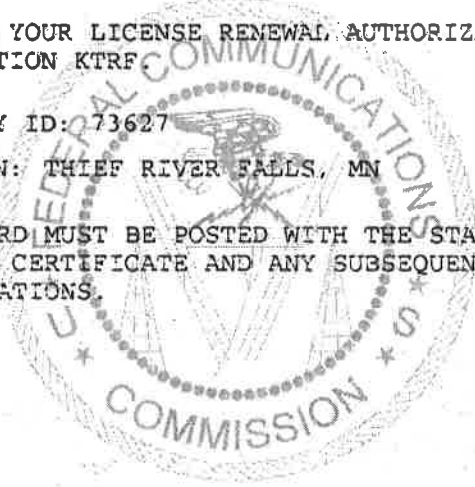
THIS IS TO NOTIFY YOU THAT YOUR APPLICATION FOR RENEWAL OF LICENSE, BR-20041130BJV, WAS GRANTED ON 03/30/2005 FOR A TERM EXPIRING ON 04/01/2013.

THIS IS YOUR LICENSE RENEWAL AUTHORIZATION FOR STATION KTRF

FACILITY ID: 73627

LOCATION: THIEF RIVER FALLS, MN

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



FEDERAL COMMUNICATIONS
COMMISSION
WASHINGTON, DC 20554

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

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

IOWA CITY BROADCASTING COMPANY
5038 HOLIDAY RD
MINNETONKA, MN 55345

FCC 372-B (02/00) NOTIFICATION

33343+4442 08



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-1528

Call Sign: K T R F

STANDARD BROADCAST STATION LICENSE

MAIN AND AUXILIARY TRANSMITTERS

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ^{1/}the LICENSEE

KTRF RADIO CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time **April 1, 1980**

The licensee shall use and operate said apparatus only in accordance with the following terms:

- 1. On a frequency of **1230** kHz.
- 2. With nominal power of **250** watts nighttime and **1 kilo** watts daytime,
with antenna input power of **250** watts non directional
antenna nighttime
and antenna input power of **1 kilo** watts non directional
antenna daytime

Antenna	current	2.73	amperes
Antenna	resistance	33.5	ohms,
Antenna	current	5.46	amperes
Antenna	resistance	33.5	ohms
- 3. Hours of operation: **Unlimited Time**
Average hours of sunrise and sunset:

Jan.	8:15am to 5:00pm	Feb.	7:30am to 5:45pm;
Mar.	6:45am to 6:30pm;	Apr.	5:30am to 7:15pm;
May	4:45am to 8:00pm;	June	4:30am to 8:30pm;
July	4:45am to 8:15pm;	Aug.	5:15am to 7:45pm;
Sep.	6:00am to 6:45pm;	Oct.	6:45am to 5:45pm;
Nov.	7:30am to 4:45pm;	Dec.	8:15am to 4:30pm;

Central Standard Time (non-advanced)

- 4. With the station located at: **Thief River Falls, Minnesota**
- 5. With the main studio located at: **13th and North Main
Thief River Falls, Minnesota**
- 6. Remote control point: **_____**

7. Transmitter location: **Approx. 1,850 ft. N. of the city limits of Thief River Falls, Minnesota**
 ANTENNA: **179' (182.5' overall height) tapered, self-supporting, series excited vertical radiator with a two bay FM broadcast antenna side mounted near the top and a RPU antenna side mounted at the 130' level. Ground System consists of 120 equally spaced, buried, copper radials 145' to 185' in length.**

North Latitude: **48 ° 07 ' 47 "**
 West Longitude: **96 ° 11' 11 "**

- 8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 12, & 21**
- 9. Transmitter(s): **GATES, BC-1G(Main) GATES, BC-250-GY(Auxiliary)**
- 10. Conditions: **Licensee shall accept such interference as may be imposed by other existing 250 watt Class IV stations in the event they are subsequently authorized to increase power to 1000 watts.**

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

^{1/}This license consists of this page and page

Dated: **March 15, 1977**

FEDERAL
COMMUNICATIONS
COMMISSION



JK



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

Licensee: IOWA CITY BROADCASTING COMPANY

FCC Registration
Number (FRN): 0002586030

IOWA CITY BROADCASTING COMPANY
5038 HOLIDAY RD
MINNETONKA MN 55345

Call Sign KH9373	File Number
Radio Service RP - Broadcast Auxiliary Remote Pickup	
Regulatory Status PMRS	
Frequency Coordination Number	

Grant Date 03-15-1977	Effective Date 03-15-1977	Expiration Date 04-01-2013	Print Date 03-31-2005
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of Operation
Other:VIC:THIEF RIVER FALL MN

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	161.73000	MO	1	0	3OK0F3E	30.000				

Broadcast Auxiliary Parent Station Facility ID Number. 73627

Conditions:

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 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. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 606.



Nationwide EAS Test Reporting System

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Thank you for your submission

You have submitted the following information:

Participant Information

Legal Name of EAS Participant: Iowa City Broadcasting Company
EAS Participant: Broadcaster
Facility ID Number: 73627
Call Sign: KTRF

Structure Location

Latitude: 48.129722
Longitude: 96.186389

Emergency Alert System

EAS Designation: LP1 (Local Primary 1)
Station Monitored for EAS: MPR
EAS Equipment Manufacturer: Sage Alerting Systems, Inc.
Additional Equipment Information: V2W3644

Contact Information

Name of Person Providing Information: Mark Allen
Phone: 218-681-1230
Email: ktrf@mncable.net
Is this person the EAS Emergency Contact? Yes

The FCC

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Thank you for your submission

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Participant Information

Legal Name of EAS Participant: Iowa City Broadcasting Company
FCC Registration Number (FRN): 310028
EAS Participant: Broadcaster
Facility ID Number: 73627
Call Sign: KTRF
Station Monitored at Time of Test: MPR
Email of Person Filing Report: mark@trfradio.com

Emergency Alert

Did you receive the emergency alert? Yes
Explanation ONLY got the tones, there was no message...

Date and Times

Message Receipt Date: 11/09/2011
EAN Message Receipt Time: 13:00
Time Zone: 2
National Primary Station Acknowledgement Time:
Initiation of Broadcast Time of EAN:

The FCC

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RSS
Office of Inspector General

**Occupied Bandwidth
And
Harmonic Measurement Report**

**Prepared for
KTRF-AM
1230khz
Thief River Falls, MN**

Date:

12-4-2014

Occupied Bandwidth and Harmonic Measurement Report

As required by 73.1590, 73.44, and 73.317 of Title 47 CFR FCC Rules & Regulations

Date 12-4-2014
Station KTRF-AM
Frequency 1230 KHz

Measurement Time 1837

Measurements

Harmonic

Miniumum Atten.

Fundamental Freq. 1230 KHz — +/-0db
Second Harmonic Freq. 2460 KHz — -88.0db
Third Harmonic Freq. 3690 KHz — -68.0db

1kw.....-73db
2.5kw.....-76.9db
3kw.....-77.8db
5kw.....-79.9db
Above 5kw -80db

Bandwidth AM

+/-15khz to +/-30khz from Fund. -51.0db Min. -25db(-35db NRSC)
+/-30khz to +/-75khz from Fund. -38.0db Min. -35db
+/-75khz and greater from Fund. 7-70.0db Min. 43+10(log10)(pw)

Bandwidth FM

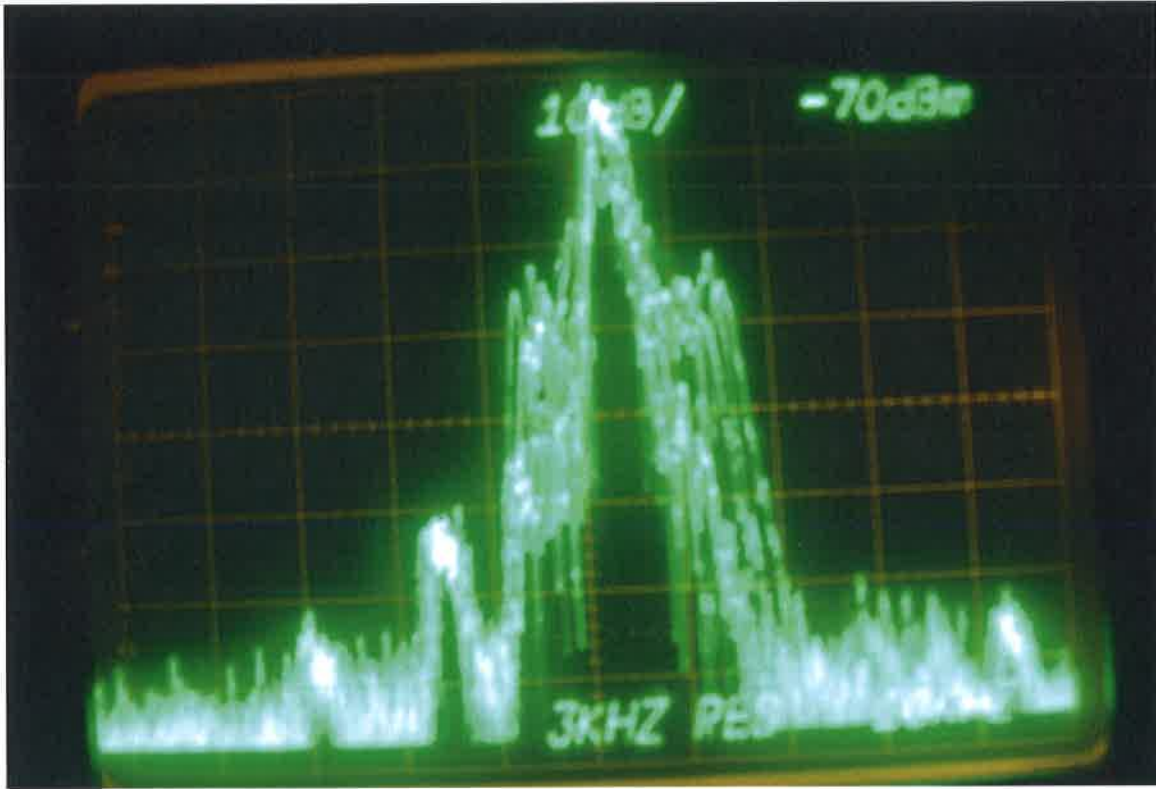
+/-120khz to +/-240khz from Fund. N/A db Min. -25db
+/-240khz to +/-600khz from Fund. N/A db Min. -35db
+/-600khz and greater from Fund. N/A db Min. 43+10(log10)(pw)

Measurement Location: Occupied Bandwidth taken in parking lot next to Studio Building. Harmonic measurements taken 6 mi. north of tower on highway 32.1/4.

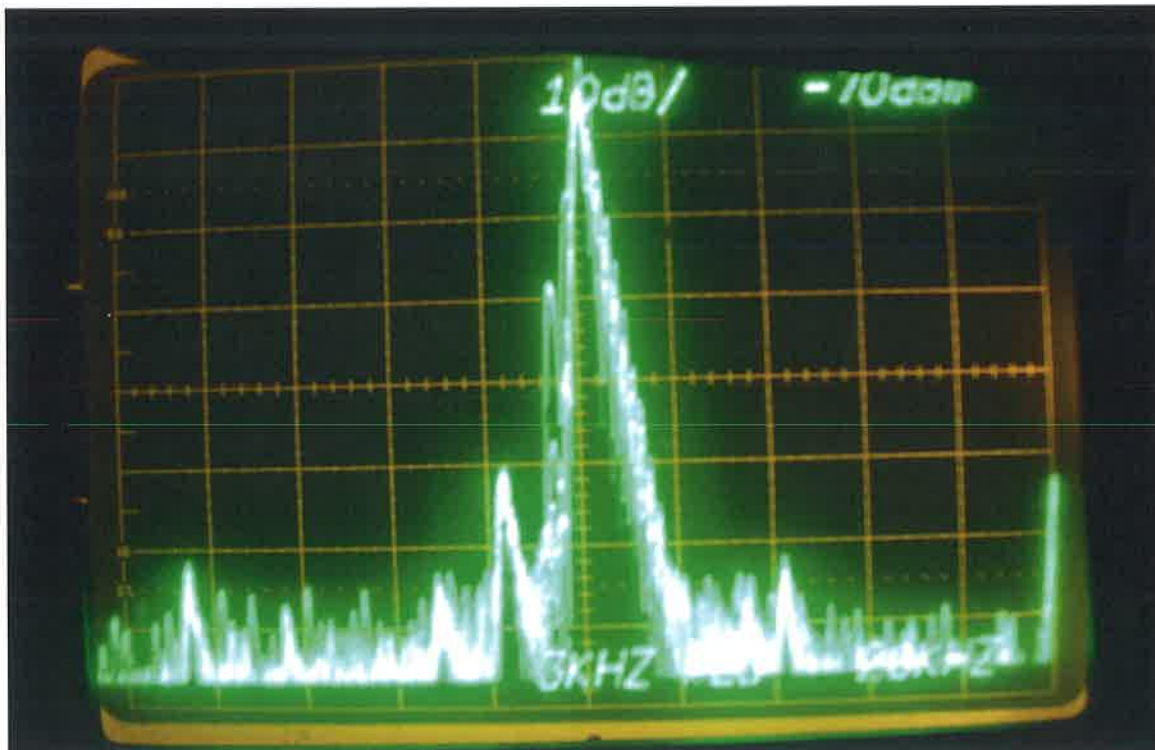
The above measurements were taken at the specified location with a Tektronix 7L12 spectrum analyzer feed with the off-air signal of the transmitter being measured. Bandwidth measurements were taken while modulating the transmitter with normal programming of speech and music.

Signed: 

Occupied Bandwidth Measurement
KTRF-AM



10kHz/div 10db/div



10db/div 20kHz/div



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION LICENSE

Official Mailing Address:

IOWA CITY BROADCASTING COMPANY, INC.
7373 KIRKWOOD CT N
#300
MAPLE GROVE MN 55369

Facility Id: 189577

Call Sign: KTRF-FM

License File Number: BLH-20141031AAD

This license covers permit no.: BMPH-20140912AAW

Authorizing Official:

Penelope A. Dade

Penelope A. Dade
Supervisory Analyst
Audio Division
Media Bureau

Grant Date:

NOV 24 2014

This license expires 3:00 a.m.
local time, April 01, 2021.

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.

Special operating conditions or restrictions:

2 ***** This is a Section 73.215 contour protection grant *****
***** as requested by this applicant *****

3 The licensee has demonstrated compliance with the FCC radiofrequency electromagnetic field exposure guidelines based upon the usage of the antenna specified herein. If the licensee makes any changes in facilities via modification of license application in accordance with 47 CFR section 73.1690(c), the subsequent Form 302-FM, application for license, must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.

*** END OF AUTHORIZATION ***