

Federal Communications Commission Washington, D.C. 20554  <p style="text-align: center;"><b>FCC 340</b></p>	Approved by OMB 3060-0034(March 2001)  FOR FCC USE ONLY
<p style="text-align: center;"><b>APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION</b></p> <p style="text-align: center;">Read INSTRUCTIONS Before Filling Out Form</p>	FOR COMMISSION USE ONLY FILE NO. BMPED - 20020416AAC

**Section I - General Information**

1.	Legal Name of the Licensee/Permittee MINNESOTA PUBLIC RADIO		
	Mailing Address 45 EAST 7TH ST.		
	City ST. PAUL	State or Country (if foreign address) MN	ZIP Code 55101 -
	Telephone Number (include area code) 6512901259	E-Mail Address (if available) MGRAMLING@MPR.ORG	
		Call Sign KCMF	Facility Identifier 92307
2.	Contact Representative (if other than licensee/Permittee) TODD STANSBURY		Firm or Company Name WILEY REIN & FIELDING
	Telephone Number (include area code) 2027194948		E-Mail Address (if available) TSTANSBURY@WRF.COM
3.	Is this application being filed in response to a window? <span style="float: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</span> If Yes, specify closing date and/or window number:		
4.	<b>Application Purpose</b> <input type="radio"/> New station <input type="radio"/> Major Change in licensed facility <input type="radio"/> Minor Change in licensed facility <input type="radio"/> Major Modification of construction permit <input checked="" type="radio"/> Minor Modification of construction permit <input type="radio"/> Major Amendment to pending application <input type="radio"/> Minor Amendment to pending application (a) File number of original construction permit: BPED-19981208MH (b) Service Type: <input checked="" type="radio"/> FM <input type="radio"/> TV <input type="radio"/> DTV (c) Community of License: City: FERGUS FALLS State: MN (d) Facility Type <input checked="" type="radio"/> Main <input type="radio"/> Auxiliary If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised. <span style="float: right;">[Exhibit 1]</span>		

**NOTE: The failure to include an explanatory providing full particulars in connection with a "No" response may result in dismissal of the application. See Instructions, paragraph L for additional information regarding completion of explanatory exhibits.**

**SECTION II - Legal and Financial**

1.	<p><b>Certification.</b> Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
2.	<p><b>Eligibility.</b> Each application must answer "Yes" to one and "No" to two of the three following certifications. An applicant should not submit an explanatory exhibit in connection with these Question 2 "No" responses.</p> <p>The applicant certifies that it is:</p> <p>a. a nonprofit educational institution; or</p> <p>b. a governmental entity other than a school; or</p> <p>c. a nonprofit educational organization, other than described in a. or b.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
3.	<p>For applicants checking "Yes" to question 2(c) and applying for a new noncommercial educational television station only, the applicant certifies that the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural, and civic segments of the principal community to be served.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>
4.	<p>a. The applicant certifies that the Commission has previously granted a broadcast application identified here by file number that found this applicant qualified as a noncommercial educational entity with a qualifying educational program, and that the applicant will use the proposed station to advance a program similar to that the Commission has found qualifying in applicant's previous application.</p> <p>b. Applicants who answered "No" to Question 4(a), must include an exhibit that describes the applicant's educational objective and how the proposed station will be used to advance an educational program that will further that objective according to 47 C.F.R. Section 73.503 (for radio applicants) and 47 C.F.R. Section 73.621 (for television applicants).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>FCC FileNumber</p> <p>-</p> <p>[Exhibit 2]</p>
5.	<p>The applicant certifies that its governing documents (e.g., articles of incorporation, by-laws, charter, enabling statute, and/or other pertinent organizational document) permit the applicant to advance an educational program and that there is no provision in any of those documents that would restrict the applicant from advancing an educational program or complying with any Commission rule, policy, or provision of the Communications Act of 1934, as amended.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
6.	<p>a. <b>Parties to the Application.</b> List separately each party to the application including, as applicable, the applicant, its officers, directors, five percent or greater stockholders, non-insulated partners, members, and all other persons and entities with attributable interests. If another entity hold an attributable interest in the applicant, list separately, as applicable, its officers, directors, five percent or greater stockholders, non-insulated partners, and board members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>[Enter Parties/Owners Information]</p> <hr/> <p>b. Applicant certifies that equity and financial interests not set forth above are non-attributable pursuant to 47 C.F.R. Section 73.3555 and that there are no agreements or understandings with any non-party that would give influence over the applicant's programming, personnel, or finances to that non-party.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 3]</p>

7.	<b>Other Authorizations.</b> List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest pursuant to the notes to 47 C.F.R. Section 73.3555.	<input checked="" type="checkbox"/> N/A [Exhibit 4]
8.	<b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  See Explanation in [Exhibit 5]
9.	<b>Adverse Findings.</b> Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.  If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  See Explanation in [Exhibit 6]
10.	<b>Alien Ownership and Control.</b> Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  See Explanation in [Exhibit 7]
11.	<b>Program Service Certification.</b> Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	<b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.	<b>Anti-Drug Abuse Act Certification.</b> Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
14.	<b>Equal Employment Opportunity (EEO).</b> If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.</b>		
15.	<b>Financial.</b> The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.  If "No" to 15., answer question 16. and 17.	<input type="checkbox"/> Yes <input type="checkbox"/> No  See Explanation in [Exhibit 8]
16.	Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?	<input type="checkbox"/> Yes <input type="checkbox"/> No
17.	Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision?	<input type="checkbox"/> Yes <input type="checkbox"/> No

NOTE: If Yes to 16. or 17., the application cannot be granted unconditionally until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on the applicant's part is required. If the applicant relies on funds from a source specified in Question 17., the applicant must advise the Commission when the funds are committed or appropriated. This should be accomplished by letter amendment to the application. Applicants should take note that the Commission's construction period is not considered "tolled" by funding difficulties and that any permit granted conditionally on funding will expire if the station is not constructed for any reason, including lack of funding.

**QUESTIONS 18 AND 19 DO NOT APPLY TO APPLICATIONS FOR NEW STATIONS. APPLICANTS FOR NEW FM STATIONS CAN PROCEED TO SECTION III. APPLICANTS FOR NEW TV STATIONS CAN PROCEED TO SECTION IV.**

**Holding Period.**

18.	Applicant certifies that this application does not propose a modification to an authorization that was awarded on the basis of a preference for fair distribution of service pursuant to 47 U.S.C. Section 307(b).	<input checked="" type="radio"/> Yes <input type="radio"/> No
	If "No," answer a. and b. below. If applicant answers "No" to 18. above and cannot answer "Yes" to either a. or b. below, the application is unacceptable.	
	a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based.	<input type="radio"/> Yes <input type="radio"/> No
	b. Applicant certifies that although it proposes to downgrade service to the area on which the Section 307(b) preference was based, applicant has provided full service to that area for a period of four years of on-air operations.	<input type="radio"/> Yes <input type="radio"/> No
19.	Applicant certifies that this application does not propose a modification to an authorized station that received a credit for superior technical parameters under the point system selection method in 47 C.F.R. Section 73.7003.	<input checked="" type="radio"/> Yes <input type="radio"/> No
	If "No," applicant must be able to answer "Yes" to a. below or provide an exhibit that makes a compelling showing that the downgrade would be in the public interest.	
	a. Applicant certifies that the population and area within the proposed service contour (60 dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 9]

**Section III**

**Fair Distribution of Service Pursuant to 47 U.S.C. Section 307(b) (New and Major Changes to FM Radio Only) (Other applicants can proceed to Section IV).**

1.	Applicant certifies that the proposed station will provide a first noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 10]
2.	Applicant certifies that the proposed station will provide a second noncommercial educational aural service to (a) at least 10 percent of the people residing within the station's 60 dBu (1mV/m) service contour and (b) to a minimum of 2,000 people. Applicants answering "Yes" must provide an Exhibit.	<input type="radio"/> Yes <input type="radio"/> No [Exhibit 11]

**Section IV Point System Factors - New and Major Change Applications Only** (used to select among mutually exclusive radio and television applications for new stations and major modifications) **NOTE:** Applicants will not receive any additional points for amendments made after the close of the application filing window.

1.	Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
----	--	--

<p>2. <b>Diversity of Ownership:</b> (a) Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized station (comparing radio and television to television, including non-fill-in translator stations other than those identified in 2(b) below) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity be maintained, and that it has placed documentation of its diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>(b) Is the application's certification to 2(a) based on its exclusion of translator station(s) that will be replaced with a full service station pursuant to the authorization requested here?</p> <p>If Yes, applicant must include an exhibit identifying the translator station authorization for which it will request cancellation upon commencement of operation of the proposed full service station (i.e., upon its filing of a license application and receipt of program test authority).</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>[Exhibit 12]</p>
<p>3. <b>State-wide Network:</b> Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>4. <b>Technical Parameters:</b> Applicant certifies that the numbers in the boxes below accurately reflect the new area and population that its proposal would serve with a 60 dBu (FM) or Grade B (TV) signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) (FM) and 73.683(TV) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude any area already within the station's existing service area). (Points, if any, will be determined by FCC)</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>New area served in square kilometers (excluding areas of water):</p>	
<p>Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:</p>	
<p><b>SECTION V - Tie Breakers - New and Major Change Applications Only</b> (used to choose among competing radio and television applications receiving the same number of points in Section IV)</p>	
<p>1. <b>Existing Authorizations.</b> By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of relevant broadcast station authorizations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV (2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of commercial and non-commercial licenses and construction permits)</p>	
<p>2. <b>Pending Applications.</b> By placing a number in the box, the applicant certifies that it and other parties to the application have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the stated number of pending applications for new or major changes to relevant broadcast stations. Radio applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in stations or those identified in IV(2)(b) above. TV applicants should count all attributable full service TV stations, commercial and noncommercial, and TV translator stations other than fill-in stations or those identified in IV(2)(b) above. (number of pending commercial and non-commercial applications)</p>	

**Section VI – Certification**

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. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

<p>Typed or Printed Name of Person Signing THOMAS J KIGIN</p>	<p>Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT</p>
<p>Signature</p>	<p>Date</p>

4/15/2002

**Section VII Preparer's Certification**

I certify that I have prepared Section VII (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name KATE MICHLER		Relationship to Applicant (e.g., Consulting Engineer)	
Signature		Date 3/21/2002	
Mailing Address 1600 PICTURESQUE DRIVE			
City CEDAR FALLS		State or Country (if foreign address) IA	Zip Code 50613-
Telephone Number (include area code) 3192668402		E-Mail Address (if available) KMICHLER@V-SOFT.COM	

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).

<b>Section VII - FM Engineering on Channels 200-220</b>	
<b>TECHNICAL SPECIFICATIONS</b>	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
<b>TECH BOX</b>	
1.	Channel Number: 209
2.	Class (select one): <input type="radio"/> D <input checked="" type="radio"/> A <input type="radio"/> B1 <input type="radio"/> B <input type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 46 Minutes 19 Seconds 16 <input checked="" type="radio"/> North <input type="radio"/> South  Longitude: Degrees 96 Minutes 5 Seconds 36 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1024698 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 384 meters
6.	Overall Tower Height Above Ground Level: 107 meters
7.	Height of Radiation Center Above Ground Level: 96 meters(H) 96 meters(V)
8.	Height of Radiation Center Above Average Terrain: 107 meters(H) 107 meters(V)
9.	Effective Radiated Power: 0.5 kW(H) 0.5 kW(V)
10.	Maximum Effective Radiated Power: <input checked="" type="checkbox"/> Not Applicable kW(H) kW(V) (Beam-Tilt Antenna ONLY)
11.	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional) Rotation (Degrees): <input type="checkbox"/> No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	10	20	30	40	50	60	70	80	90	100	110
120	130	140	150	160	170	180	190	200	210	220	230
240	250	260	270	280	290	300	310	320	330	340	350
Additional Azimuths											

**NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.**

**CERTIFICATION**

**AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 12-16.**

12. **Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125.  Yes  No  
 See Explanation in [Exhibit 13]

13. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all that apply:  Yes  No  
 See Explanation in [Exhibit 14]

**Contour Overlap Requirements.**  
 a.  47 C.F.R. Section 73.509  
**Exhibit Required.** [Exhibit 15]

**Spacing Requirements.**  
 b.  47 C.F.R. Section 73.207 with respect to station(s)

**Grandfathered Short-Spaced.**  
 c.  47 C.F.R. Section 73.213(a) with respect to station(s)  
**Exhibit Required.** [Exhibit 16]

**Contour Protection.**  
 d.  47 C.F.R. Section 73.215(a) with respect to station(s)  
**Exhibit Required.** [Exhibit 17]

**Television Channel 6 Protection.**  
 e.  47 C.F.R. Section 73.525 with respect to station(s)  
**Exhibit Required.** [Exhibit 18]

14. **Reserved Channels Above 220.**

a. **Allotment.** The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203.  Yes  No  
 See Explanation in [Exhibit 19]

b. **Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315.  Yes  No  
 See Explanation in [Exhibit 20]

16.	<p><b>Environmental Protection Act.</b> The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Worksheet #7, an <b>Exhibit is required.</b></p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p>	<p style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p style="text-align: right;">See Explanation in [Exhibit 22]</p>
<b>PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.</b>		

**Exhibits**

**Exhibit 1**

**Description:** EXPLANATION REGARDING SECTION 2, QUESTIONS 2-3 AND 7-12

BECAUSE THIS APPLICATION IS FOR A MINOR MODIFICATION OF THE STATION'S CONSTRUCTION PERMIT, SECTION II, QUESTIONS 2-3 AND 7-12 ARE INAPPLICABLE. DUE TO AN APPARENT TECHNICAL PROBLEM WITH THE FCC'S COMPUTERS, HOWEVER, CBBS IS REQUIRING VALUES TO BE ENTERED FOR THESE QUESTIONS IN ORDER TO SUBMIT THE APPLICATION ELECTRONICALLY. ON THE ADVICE OF FCC STAFF, MPR IS PROVIDING RESPONSES TO THESE QUESTIONS FOR THE PURPOSE OF FACILITATING THE ELECTRONIC SUBMISSION OF THIS APPLICATION, BUT SINCE THE RESPONSES ARE NOT RELEVANT TO A MINOR MODIFICATION, THEY SHOULD BE DISREGARDED.

**Attachment 1**

**Exhibit 13**

**Description:** REQUEST FOR WAIVER OF SECTION 73.1125

A WAIVER OF 47 C.F.R. SECTION 73.1125 WAS PREVIOUSLY GRANTED UNDER BPED19981208MH TO ALLOW OPERATION OF KCMF AS A SATELLITE OPERATION OF STATION KSJN, MINNEAPOLIS, MINNESOTA.

THE APPLICANT RESPECTFULLY REQUESTS A CONTINUATION OF THIS WAIVER.

**Attachment 13**

**Exhibit 14**

**Description:** CHANGE AREA

THE APPLICANT PROPOSES TO INCREASE ANTENNA HEIGHT BUT REDUCE POWER, SO THAT THE PROPOSED 60 DBU COVERAGE CONTOUR IS ENTIRELY WITHIN THE 60 DBU OF THE CURRENT AUTHORIZED CONSTRUCTION PERMIT. THE ATTACHED CHANGE AREA MAP DEPICTS THESE CONTOURS. THE U.S.G.S. 03 SEC TERRAIN DATABASE WAS USED FOR THIS AND ALL OTHER EXHIBITS. 36 EVENLY SPACED RADIALS WERE USED TO CALCULATE HEIGHT ABOVE AVERAGE TERRAIN.

**Attachment 14**

Description	Type	Conversion



		Status	File
KCMF Proposed Change Area Map	Adobe Acrobat File	not needed	PDF

**Exhibit 15**

**Description:** CONTOUR PROTECTION

THE 60 DBU NORMALLY PROTECTED SIGNAL CONTOUR OF THE INSTANT FACILITY WILL BE CONTAINED ENTIRELY WITHIN THE 60 DBU OF THE CURRENT CP'S 60 DBU. SINCE THE ANTENNA HEIGHT IS BEING INCREASED WHILE THE POWER IS BEING EQUIVALENTLY REDUCED, THE INTERFERENCE SIGNAL CONTOURS WILL BE THE SAME OR SMALLER THAN UNDER THE CURRENT CP.

**Attachment 15**

Description	Type	Conversion	
		Status	File
KCMF Proposed Allocation Study	Adobe Acrobat File	not needed	PDF

**Exhibit 18**

**Description:** CHANNEL-SIX PROTECTION

THE APPLICANT IS PROPOSING TO INCREASE HEIGHT AND DECREASE RADIATED POWER SO THAT THE 60 DBU CONTOUR WILL BE COMPLETELY CONTAINED WITHIN THE EXISTING FACILITY'S 60 DBU. FURTHER, THE WORST CASE 73.3 DBU CHANNEL SIX INTERFERENCE CONTOUR OF THE INSTANT PROPOSAL IS CONTAINED TOTALLY WITHIN THE SAME CONTOUR OF THE CONSTRUCTION PERMIT FACILITY. ALTHOUGH THE 6 DB RECEIVER DIRECTIVITY CREDIT WAS VALID, IT WAS NOT APPLIED IN THIS 'WORST CASE' SCENARIO. NO FURTHER STUDY WAS DEEMED NECESSARY.

**Attachment 18**

Description	Type	Conversion	
		Status	File
KCMF Proposed Channel Six TV Interference Change Area Map	Adobe Acrobat File	not needed	PDF

**Exhibit 21**

**Description:** PROTECTION TO CANADA

ALTHOUGH THE PROPOSED FM FACILITY IS WITHIN 320 KILOMETERS OF THE CANADIAN BORDER, THERE ARE NO PERTINENT RELATIONSHIPS WITH CANADIAN STATIONS.

**Attachment 21**

**Exhibit 22**

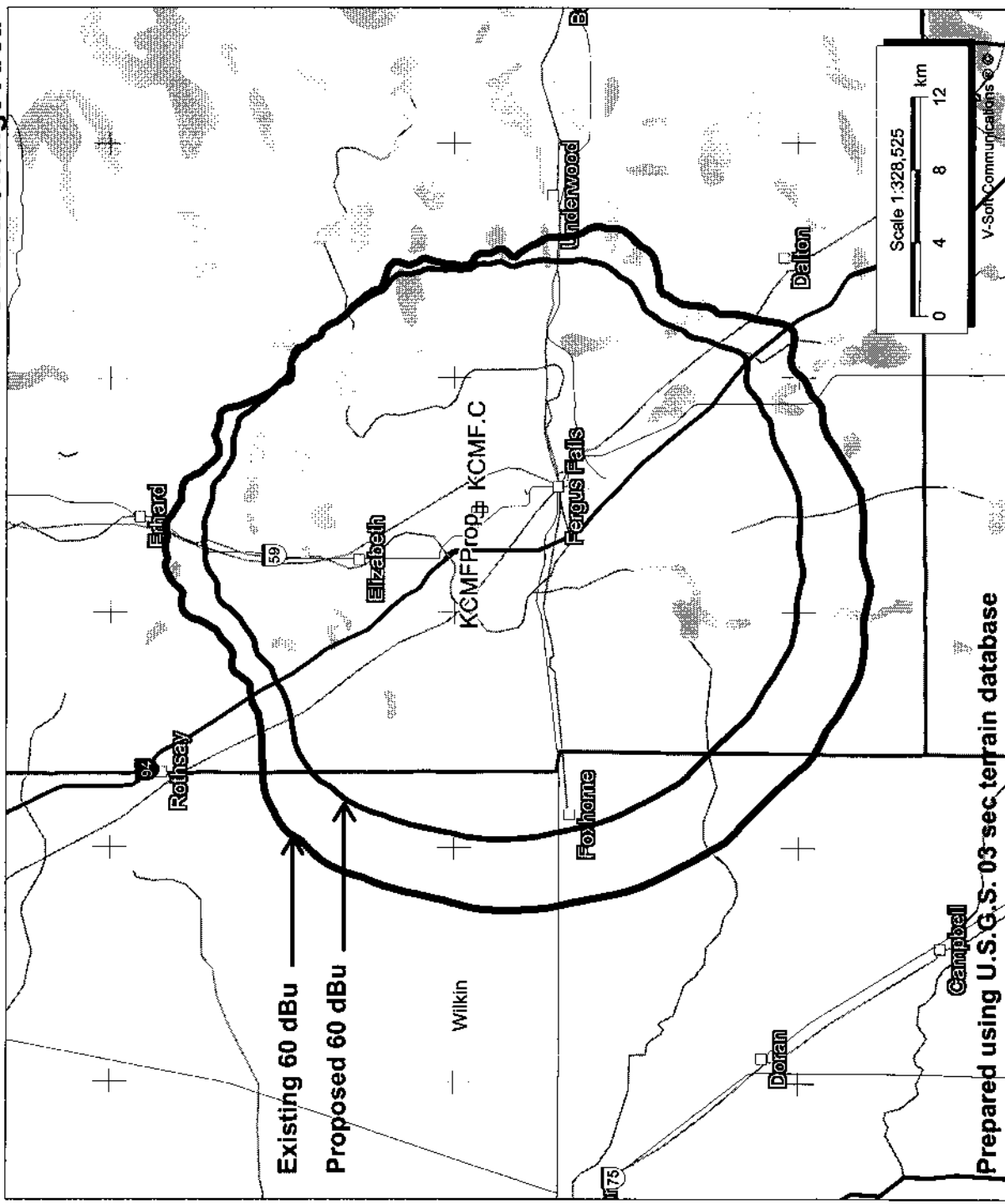
**Description:** RF HAZARD COMPLIANCE

**Attachment 22**

--	--	--	--

Description	Type	Conversion	
		Status	File
<u>RF Hazard Statement for KCMF</u>	Adobe Acrobat File	not needed	PDF

# 60 dBu Change Area



**KCMFProp**  
 BPED: 19981208MH  
 Latitude: 46-19-16 N  
 Longitude: 096-05-36 W  
 Power: 0.50 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 480.3 m  
 Elevation: 383.285 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Pop in 60 dBu = 19,102  
 Area = 776.6 sq. km.

**KCMF.C**  
 BPED: 19981208MH  
 Latitude: 46-19-16 N  
 Longitude: 096-05-36 W  
 Power: 2.00 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 445.0 m  
 Elevation: 383.28 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Pop in 60 dBu = 19,622  
 Area = 1,035 sq. km.



KCMF

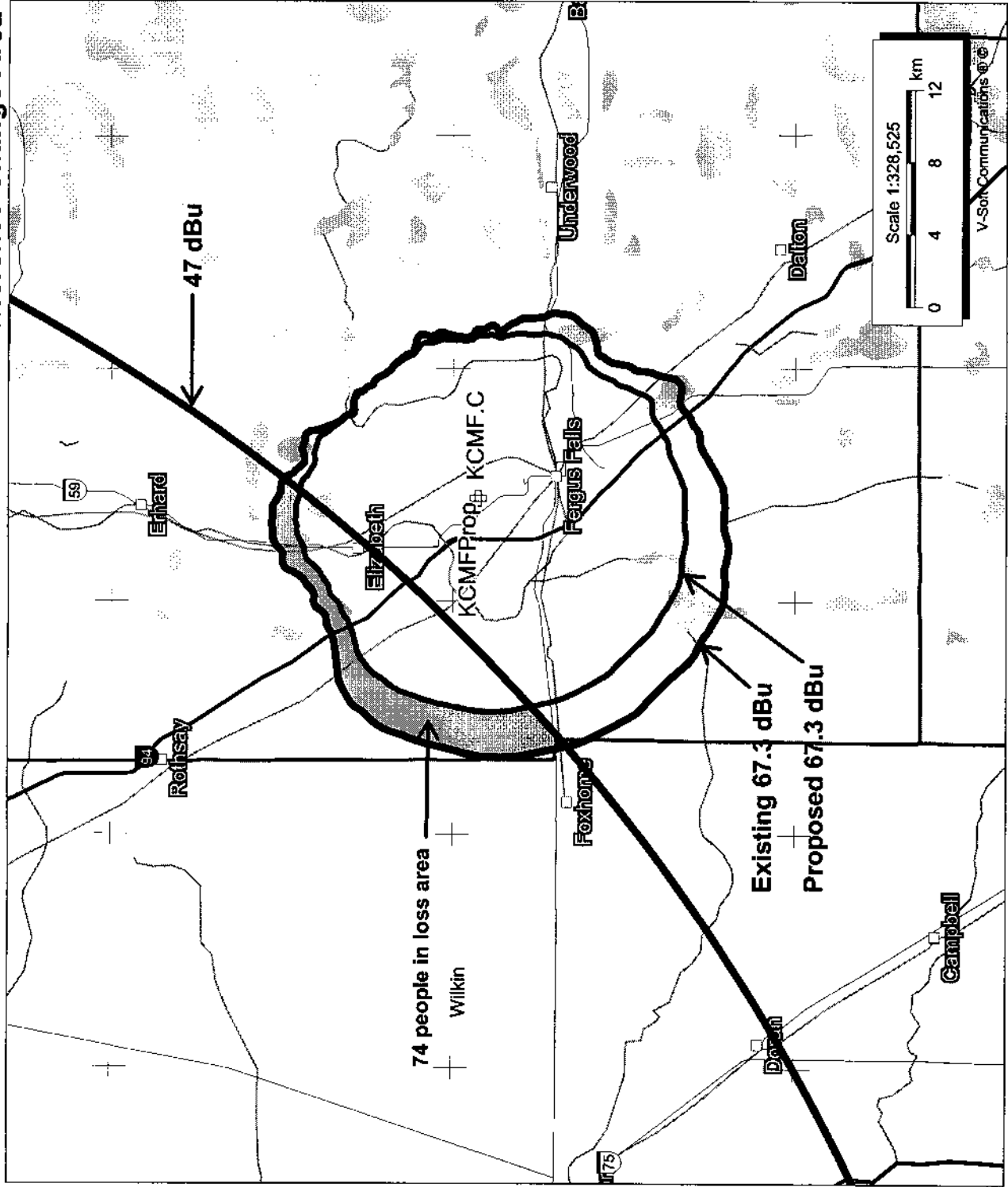
Minor Modification

REFERENCE CH# 209A - 89.7 MHz, Pwr= 0.5 kw, HAAT=101.5 M, COR= 480 M DISPLAY DATES  
 46 19 16 N Ave. F(50-10) 40 dBu= 52.4 54 dBu= 23.2 80 dBu= 4.9 100 dBu= 1.6 DATA 03-20-02  
 96 05 36 W SEARCH 03-20-02

CH CITY	CALL	TYPE STATE	AZI. DIST <-> FILE #	LAT. LNG.	Pwr(kw) HAAT(M) INT(km)	COR(M) INT(km)	PRO(km) LICENSEE (Overlap in km)	*IN* *OUT*
209A Fergus Falls	KCMF	CP MN	0.0 0.00 180.0 BPED19981208MH	46 19 16 96 05 36	2.000 69	445 62.9	18.3 Minnesota Public Radio	-78.39< -70.67<
209A KUMM Morris		LIC MN	169.9 82.67 349.9 BLED19830509AB	45 35 20 95 54 22	0.225 17	364 23.1	6.9 University of Minnesota, M	44.07 23.36
208C3 Alexandria > Reference HAAT at 130.6°= 85.4 M, Pwr= 0.5 kw,	*KBHG.C	CP MN	130.6 66.21 310.6 BPED19980316ME	45 55 55 95 26 41	7.200 102	526 46.1	29.7 Christian Heritage Broadca	5.99 15.32
208C3 Glyndon > Reference HAAT at 326.1°= 88.2 M, Pwr= 0.5 kw,	*981202	APP MN	326.1 70.95 146.1 BPED19981202MG	46 50 58 96 36 46	10.000 103	390 50.1	32.3 Mary V. Harris Foundation	6.55 17.13
212C1 Moorhead	KCCD	LIC MN	321.3 62.70 141.3 BLED19920612KA	46 45 35 96 36 26	100.000 151	437 7.1	58.6 Minnesota Public Radio	40.10 2.53
208C3 Fargo	981203	APP ND	308.7 77.91 128.7 BPED19981203MC	46 45 19 96 53 26	25.000 80	356 56.1	35.4 Broadcasting For The Chall	6.35 19.27
208A Fargo	980427	APP ND	321.6 62.57 141.6 BPED19980427MQ	46 45 38 96 36 11	5.700 96	382 42.4	27.4 Pioneer Public Broadcastin	4.74 11.89
208C3 Horace	981201	APP ND	311.8 80.73 131.8 BPED19981201MA	46 48 05 96 52 59	8.000 62	336 37.3	24.3 Selah Corporation	27.95 33.18
208A Fargo	980427	APP ND	313.2 79.02 133.2 BPED19980427MQ	46 48 15 96 50 58	4.200 61	335 30.6	20.8 Pioneer Public Broadcastin	32.96 35.00
207C1 Sebeka	960712	APP MN	52.7 108.99 232.7 BPED19960712MG	46 54 28 94 57 12	100.000 98	530 5.8	50.5 Lifetalk Broadcasting Asso	87.72 56.93
206C2 Waubun	960328	APP MN	28.3 90.78 208.3 BPED19960328ME	47 02 18 95 31 34	50.000 85	555 4.5	42.0 Mijji Broadcast Corporati	70.82 47.26
209A Bemidji	KBSB	LIC MN	35.2 159.13 215.2 BLED19790913AB	47 29 00 94 52 27	0.120 38	460 22.0	6.6 Bemidji State College	121.63 100.15
209C2 Princeton	990518	APP MN	111.4 212.54 291.4 BPED19990518MB	45 35 54 93 33 18	50.000 32	334 115.6	27.2 Pensacola Christian Colleg	81.48 132.94
211C1 Collegeville	K5JRFM	LIC MN	126.7 151.50 306.7 BMLD19880616KA	45 29 52 94 32 14	100.000 258	617 9.4	68.9 Minnesota Public Radio	126.63 81.03
0622C Fargo	WDAYTV	LI ND	312.7 114.30 132.7 BMLCT624	47 00 43 97 11 58	100.000 351	643 0.0	107.4 Forum Communications Compa	To Grd B= 6.94

--- "x" = ERP and HAAT on direct line to and from reference station. "<" = Contour Overlap

# Channel 6 TV Interference Change Area



**KCMF.C**  
 BPED19981208MH  
 Latitude: 46-19-16 N  
 Longitude: 096-05-36 W  
 Study Power: 2.05 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 445.0 m  
 Elevation: 384 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No

**KCMFProp**  
 BPED19981208MH  
 Latitude: 46-19-16 N  
 Longitude: 096-05-36 W  
 Study Power: 0.5125 kW  
 Channel: 209  
 Frequency: 89.7 MHz  
 AMSL Height: 480.3 m  
 Elevation: 384 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No

**WDAYTV**  
 BMLCT624  
 Latitude: 47-00-43 N  
 Longitude: 097-11-58 W  
 Power: 100.00 kW  
 Channel: 06Z  
 Frequency: 85.0 MHz  
 AMSL Height: 643.0 m  
 Elevation: 287.0 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No

## EXHIBIT #22

### R.F. RADIATION COMPLIANCE STATEMENT

KCMF  
Channel 209 – 0.5 kW H & V  
Fergus Falls, Minnesota

March 2002

The applicant proposes to increase height above ground and reduce ERP to 0.5 kW. Another application is pending to use the same antenna in diplex that will raise the total ERP to 1.0 kW. The proposed antenna will have a center of radiation of 96 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, the proposed facility is predicted to produce a worst-case maximum R.F. non-ionization radiation level at a position six feet above the tower base (head level - based on the C.O.R. of 96 meters above ground minus 2 meters) of 7.562 microwatts per square centimeter was calculated. This figure is without regard for the antenna's vertical elevation field value toward the nadir, which will cause a reduction in the predicted "worst case" calculations. The proposed tower location will be within a controlled area having a fence and locked gate. The calculated value amounts to only 0.76 percent of the maximum for a controlled area (1000 microwatts per centimeter maximum) and 3.78 percent for a uncontrolled area (200 microwatts per square centimeter).

There is an FM translator, K207DP, which transmits an ERP of 0.205 kW from a height of 67 meters above ground. This translator contributes 3.242 microwatts per square centimeter to the RF radiation level at head height. This is 0.32 percent of the maximum for a controlled area and 1.62 percent of the maximum for an uncontrolled area.

The combined radiators have an RF radiation level of 10.804 microwatts per square centimeter, which is 1.08 percent of the maximum for a controlled area and 5.4 percent of the maximum for an uncontrolled area.

Since "worst case" calculations were used and since it is well known that the actual RF power density level is considerably reduced at vertical angles toward the nadir the applicant is confident that there will be no exposure at the transmitter site greater than the maximum.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's rules and regulations with regard to human exposure to radiofrequency electromagnetic fields.