F	ederal Communications Commission		Approved by OMB	FOR F	CC USE ONLY			
	Vashington, D.C. 20554							
L	FC							
	APPLICATION FOR C		TION LEIGHT	FILE N				
1	FOR RESER NONCOMMERCIAL ED			BMI	PED - 2002	0416AAE		
		ATION						
	Read INSTRUCTION	S Refore Fillin	a Out Form					
<u> </u>	ection I - General Information	B Beloic I min	g Out Polin	<u> </u>				
1.					— <u>k</u>			
	Legal Name of the Licensee/Pe MINNESOTA PUBLIC RADI							
	Mailing Address				····	- Wind		
	45 EAST 7TH ST.							
	City	State or Coun	try (if foreign address)			ZIP Code		
	ST. PAUL	MN			<u> </u>	55101 -		
	Telephone Number (include area code)	E-Mail Addre	ss (if available)					
	6512901259	MGRAMLIN	G@MPR.ORG					
		Call Sign			·	Facility Identifier		
		KNWF				92141		
۷.	Contact Representative (if other TODD STANSBURY	er than licensee/	Permittee)	Firm or Company Name WILEY REIN & FIELDING				
	Telephone Number (include an 2027194948	ea code)		E-Mail Address (if available) TSTANSBURY@WRF.COM				
3.	Is this application being filed in If Yes, specify closing date and	response to a v Vor window nu	window? mber:			C Yes C No		
4	Application Purpose		<u> </u>		· dun			
Ì	C New station		Major Modification	ofço	enstruction per	mit		
	Major Change in licensed fa	acility	Minor Modification					
	Minor Change in licensed fa	acility	Major Amendment	to per	nding applicati	ion		
i			Minor Amendment	to per	nding applicat	ion		
	(a) File number of original construction BPED-19981120MC permit:							
	(b) Service Type:		FM C TV C DT\	V				
	(c) Community of License: City: FERGUS FALLS							
	(d) Facility Type		• Main C Auxiliary					

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.	Certification. 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.	• Yes No
2.	Eligibility. 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.	
	The applicant certifies that it is:	
	a. a nonprofit education institution; or	C Yes C No
	b. a governmental entity other than a school; or	r Yes C No
L	c. a nonprofit educationl organization, other than described in a. or b.	Yes No
3.	For applicants checking "Yes" to question 2(c) and applying for a new noncommercial education 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.	C Yes C No
4.	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.	Yes No FCC FileNumber - [Exhibit 2]
	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).	
5.	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.	C Yes C No
6.	a. Parties to the Application. 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.	
	[Enter Parties/Owners Information]	
	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.	Yes No [Exhibit 3]
П		- <u>- </u>

7.	Other Authorizations. 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.	N/A [Exhibit 4]
8.	Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:	∘ Yes ∩ No
	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	See Explanation in [Exhibit 5]
	b. any pending broadcast application in which character issues have been raised.	
9.	Adverse Findings. 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.	Yes No See Explanation in [Exhibit 6]
	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.	
10.	Alien Ownership and Control. 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.	Yes No See Explanation in [Exhibit 7]
11.	Program Service Certification. 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.	e Yes No
12.	Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	• Yes No
13.	Anti-Drug Abuse Act Certification. 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.	← Yes No
14.	Equal Employment Opportunity (EEO). 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.	C Yes C No
	ESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTI N PROCEED TO QUESTION 18.	HER APPLICANTS
15.	Financial. 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.	Yes No See Explanation in
	If "No" to 15., answer question 16. and 17.	[Exhibit 8]
1	11 No to 13., answer question 16. and 17.	
16.	Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?	C Yes C 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. OUESTIONS 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. Applicant certifies that this application does not propose a modification to an authorization F Yes C No that was awarded on the basis of a preference for fair distribution of service pursuant to 47 U.S.C. Section 307(b). 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 C Yes C No on which the Section 307(b) preference was based. b. Applicant certifies that although it proposes to downgrade service to the area on which ⊂ Yes ⊂ No 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. Applicant certifies that this application does not propose a modification to an authorized € Yes C No station that received a credit for superior technical parameters under the point system selection method in 47 C.F.R. Section 73.7003. 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 C Yes C No dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized. [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.	Yes No
2	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.	Yes No

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		
 1.	Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior	C Yes C No
	to application, and continuing through the present, it qualifies as a local applicant pursuant to 47	103 110
ļ	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.	

2.	Diversity of Ownership: (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.	C Yes C No
	(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?	C Yes No
	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).	[Exhibit 12]
3.	State-wide Network: 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.	C Yes C No
	Technical Parameters: 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)	C Yes C No
	New area served in square kilometers (excluding areas of water):	
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
tel	ECTION V - Tie Breakers - New and Major Change Applications Only (used to choose among consistence of points in Section IV)	
	Existing Authorizations. By placing a number in the box, the applicant certifies that it and other parapplication have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable intended in the number of relevant broadcast station authorizations. Radio applicants should count all attributable find stations, AM and FM, commercial and noncommercial, and FM translator stations other than fill-in identified in IV (2)(b) above. TV applicants should count all attributable full service TV stations, connocommercial and TV translator stations other than fill-in stations or those identified in IV(2)(b) all (number of commercial and non-commercial licenses and construction permits)	erests in the stated full service radio stations or those sommercial and
2.	Pending Applications. By placing a number in the box, the applicant certifies that it and other particle have, as of the date of filing and pursuant to 47 C.F.R. Section 73.3555, attributable interests in the spending applications for new or major changes to relevant broadcast stations. Radio applicants shou attributable full service radio stations, AM and FM, commercial and noncommercial, and FM transletan fill-in stations or those identified in IV(2)(b) above. TV applicants should count all attributable stations, commercial and noncommercial, and TV translator stations other than fill-in stations or tho (b) above.	stated number of ald count all ator stations other full service TV

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.)

	Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT
Signature	Date

ı			
4 /		/2002	
44.7	15	/ /4 86 1 /	

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., Consul	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).

Sec	ction VII - FM Engineering on Channels 200-220									
Ens dis	CCHNICAL SPECIFICATIONS sure that the specifications below are accurate. Contradicting data found regarded. All items must be completed. The response "on file" is not ac	d elsewhere in this application will be ceptable.								
TE	СН ВОХ									
1.	Channel Number: 218									
	Class (select one): D									
3.	Antenna Location Coordinates: (NAD 27)									
	Latitude:									
	Degrees 46 Minutes 19 Seconds 16 North South									
	Longitude:									
	Degrees 96 Minutes 5 Seconds 36 West East									
H										
	Antenna Structure Registration Number: 1024698 Not Applicable 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: (Beam-Tilt Antenna ONLY) ✓ Not Applicable	kW(H) kW(V)								
11.	Directional Antenna Relative Field Values: Not applicable (Nondi	irectional)								

	Rotation	(Degre	es):			r _{No}	Rotation					
	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
ľ	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	
1	300		310		320		330		340		350	
	Additiona Azimuths	-									···	•
NO mu	TE: In ad st be subm	dition (to the info	rmatio uestion	n called t	for in tl h a "No	his section	, an exp	planatory	exhibi	t providi:	ng full particulars
	RTIFICA		<u> </u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			70 IS P1	, , , , , , , , , , , , , , , , , , ,	*		
AU	XILIARY	ANTE	NNA AP	PLICA	NTS AR	E NOT	REQUIF	ED TO	RESPO	ND TO	ITEMS	12-16.
12.	Main Stu 73,1125.	dio Lo	cation.	The pro	posed ma	in studi	o location	complie	s with 47	C.F.R.	Section	Yes No
		 		·····		<u></u> ,						See Explanation in [Exhibit 13]
13.	Interferent sections.			ed facil	lity compl	ies with	all of the	followi	ng applica	ble rule	2	• Yes C No
	Check all		·									See Explanation in [Exhibit 14]
			p Require									
	a. 47 C.F.R. Section 73.509 Exhibit Required. [Exhibit 15]											Talkikis 151
	Exhibit Required. [Exhibit 15] Spacing Requirements.										EXIIIOII 15]	
	b. ▽ 47 C	.F.R. S	ection 73.2	207 wit	h respect	to static	n(s)					
	Grandfat	hered S	Short-Spa	ced.			•				" .	
	c.□ 47 C	.F.R. Se	ection 73.2	213(a) v	vith respe	ct to sta	tion(s)					
	Exh Contour l		quired.						<u></u>		[Exhibit 16]
	d. 47 C			215(a) v	with reene	ct to eta	ition(e)					
	Exh	ibit Re	quired.	222(4)		or to ste					ľ	Exhibit 17]
	Television										<u></u>	
Ì	e. 🔽 47 C.	F.R. Se	ection 73.5	25 with	n respect t	o statio	n(s)					
			quired.				-				[.	Exhibit 18]
14.	Reserved	Chann	els Above	220.								
	a. Allotme	ent. T	he propos	ed facil	ity compl	ies with	the alloto	ent rea	Niromante	of 17 C	מסי	
	a. Allotment. The proposed facility complies with the allotment requirements of 47 C.F.R. Yes No Section 73.203.											
	b. Commu	inity C	overage.	The pr	roposed fa	acility c	omplies w	ith 47 C	C.F.R. Sec	tion 73.		Yes No
		·	Ū	•	•	•	1				:	See Explanation in [Exhibit 20]
ľ												Ī
<u>I_</u>				,			·····			_		

16.	Environmental Protection Act. 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	€ Yes C No
	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 Exhibit is required.	See Explanation in [Exhibit 22]
	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.	
PR	EPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.	<u> </u>

Exhibits

Exhibit 1

Description: EXPLANATION REGARDING SECTION II, 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 BPED19981120MC TO ALLOW OPERATION OF KNWF AS A SATELLITE OPERATION OF KNOWFM, 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 AND INCREASE ERP. THE ATTACHED CHANGE AREA MAP DEPICTS THE 60 DBU CONTOUR OF THE PROPOSED FACILITY, AS WELL AS THE CURRENTLY AUTHORIZED CONSTRUCTION PERMIT.

THE U.S.G.S. 03 SEC TERRAIN DATABASE WAS USED FOR THIS AND ALL OTHER EXHIBITS. 36 EVEN SPACED RADIALS WERE USED TO CALCULATE HEIGHT ABOVE AVERAGE TERRAIN.

Attachment 14

Description	Type	Convers	sion
Description	Type	Status	File

KNWF Proposed Change Area Map	Adobe Acrobat not needed File	PDF
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Exhibit 15

Description: CONTOUR PROTECTION

ATTACHMENTS INCLUDE A COMPUTER GENERATED, SINGLE-CHANNEL STUDY DEPICTING THE PROPOSED STATION'S RELATIONSHIPS WITH ADJACENT FACILITIES. A MAP AND FMOVER TABLE OF KCCMFM'S PROTECTED AND INTERFERENCE CONTOURS IN RELATIONSHIP TO THOSE OF THE INSTANT PROPOSAL ARE ALSO INCLUDED. THE FOURTH ATTACHMENT IS AN FCC MINIMUM SPACINGS TABLE SHOWING THAT THE SPACING REQUIREMENTS TO THIRD-ADJACENT CHANNEL 221 HAVE BEEN FULLY MET.

Attachment 15

Description		Conversion		
		Status	File	
KNWF Proposed Allocation Study	Adobe Acrobat File	not needed	PDF	
KNWFProp v. KCCMFM Map	Adobe Acrobat File	not needed	PDF	
KNWFProp v. KCCMFM FMOVER	Adobe Acrobat File	not needed	PDF	
KNWF Minimum Spacings	Adobe Acrobat File	not needed	PDF	

Attachment 16

Exhibit 18

Description: CHANNEL SIX PROTECTION

THE ATTACHED MAP AND FMOVER TABLE ILLUSTRATE THE RELATIONSHIP BETWEEN THE 47 DBU PROTECTED CONTOUR OF WDAYTV, FARGO, ND AND THE 79.5 WORST CASE INTERFERENCE CONTOUR OF THE PROPOSED CHANNEL 218 FACILITY. THE FM INTERFERENCE CONTOUR LIES ENTIRELY OUTSIDE THE CHANNEL SIX TV 47 DBU PROTECTED CONTOUR. ALTHOUGH THE 6 DB RECEIVE DIRECTIVITY CREDIT WAS VALID, IT WAS NOT APPLIED IN THIS 'WORST CASE' SCENARIO. THE INSTANT PROPOSAL COMPLIES WITH SECTION 73.525.

Attachment 18

Description	Two	Conversion		
Description	Туре	Status	File	
KNWF Proposed Channel Six TV Protection Map	Adobe Acrobat File	not needed	PDF	
]	

KNWF Proposed Channel Six TV Protection FMOVER

Adobe
Acrobat
File

PDF

Exhibit 21

Description: PROTECTION TO CANADA

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

Attachment 21

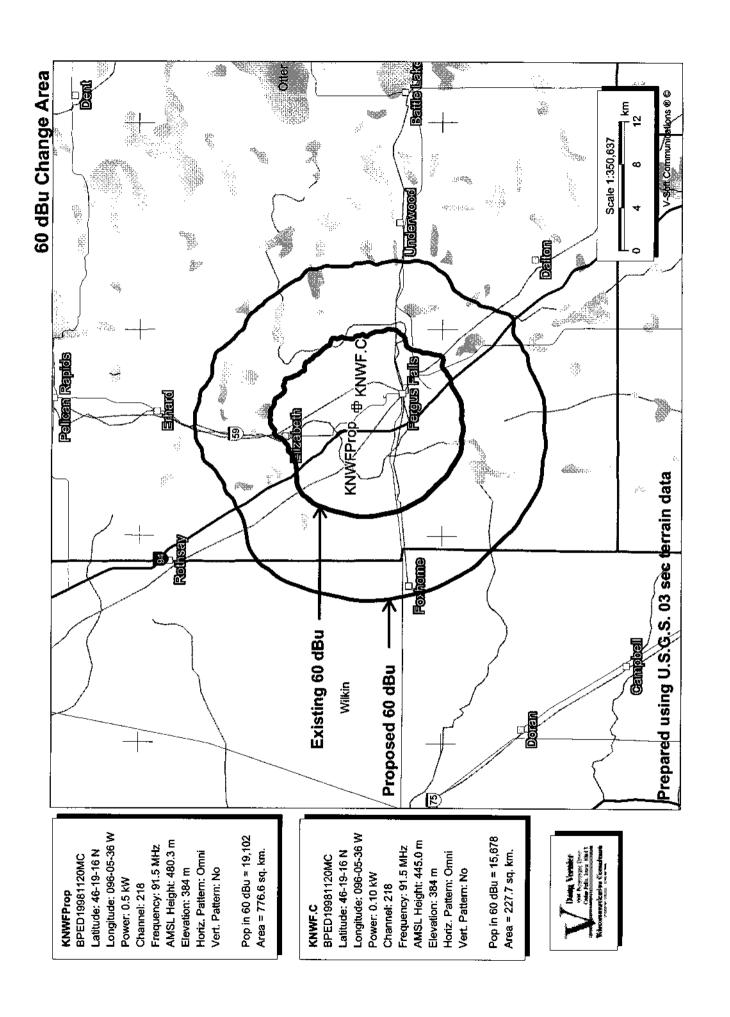
Exhibit 22

Description: EXHIBIT 22 - RF HAZARD STATEMENT

THE APPLICANT PROPOSES TO INCREASE TOWER HEIGHT AND ERP. PLEASE SEE ATTACHED RF HAZARD STATEMENT.

Attachment 22

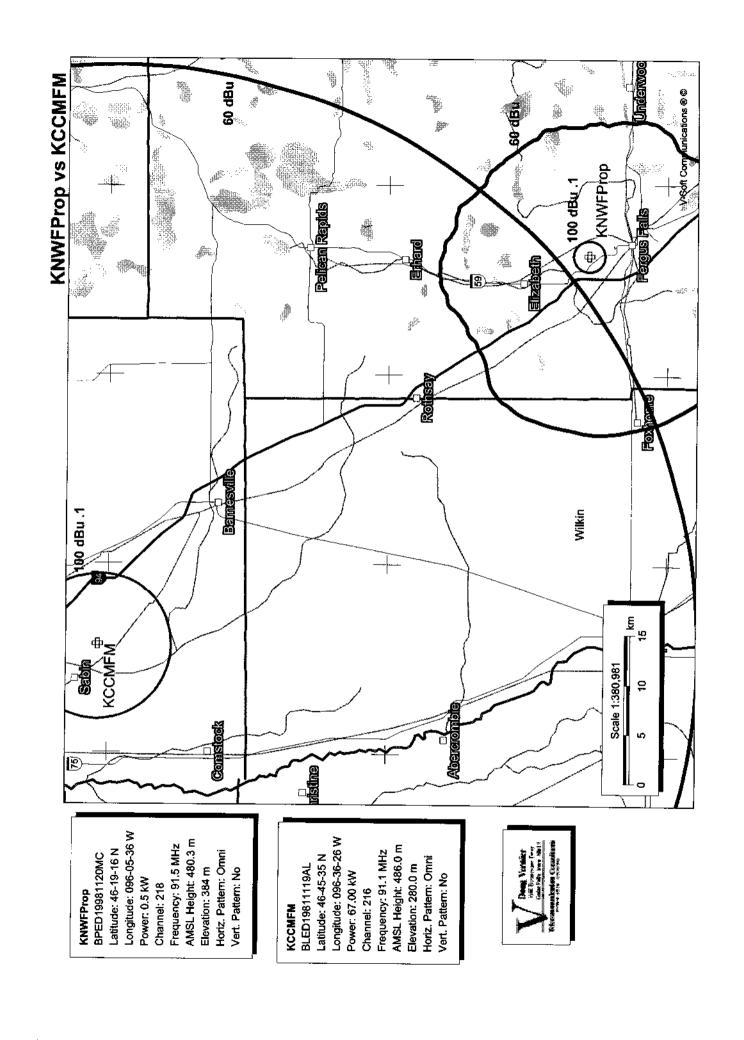
Description	Туре	Conver	sion
	Туре	Status	File
RF Hazard Statement for KNWF	Adobe Acrobat File	not needed	PDF



KN≯F	Minor Modification
	Ξ

COR(M) PRO(km) *IN* 445 8.6 -44.34< 28.4 Minnesota Public Radio 104.3 Minnesota Public Radio 105.1 = 25.43 km 486 60.0 41.03 7.02 10.1 Dist. = 25.43 km 47.3 62.0 14.91 57.3 Minnesota Public Radio 47.4 62.0 14.91 57.3 Minnesota Public Radio 47.5 62.0 14.91 63.1 40.56 70.5 127.62 68.0 66.8 70.5 127.62 68.3 107.4 To Grd B= 60 60.0 Forum Communications	REFERENCE 46 19 16 N 96 05 36 W	Ave.	*	. 218A - F(50-10) 4	M. 91.5 MHz, PWr= Average Pr 40 dBu= 53.4 54	KNWF Minor Modification = 0.5 kW, HAAT=107.0 M, Protected F(50-50)= 15.96 54 dBu= 23.9 80 dBu= 5.1	ation AT=107.0 M, -50)= 15.96 80 dBu= 5.1	<u>ş</u> Žğ	t= 480 M dBu= 1.6	DISPLAY DATES DATA 03-20-0 SEARCH 03-20-0	Y DATES 03-20-02 03-20-02
C		STA		AZI		LAT.	PWF(KW) HAAT(M)	,	!	*IN* (Overlap	*OUT*
LIC CN 176.8 128.42 128.42 128.42 128.42 128.42 128.42 128.42 128.42 128.42 128.42 128.42 128.43 128.42 128.43 128.42 128.43 128.42 128.43	Ş	ુક	Ş	ဝင္ထ		61	0.100	445 28.4	8.6 Winnesota		_61.96<
AT 311.3 67.70 41.03 7.4 Minnesota Public Radio AT 311.3 67.70 AT 311.3 67.70 AT 311.3 67.70 AT 311.3 67.70 AT 311.3 AT 311.	17C *KRSU opleton Reference HAAT a1		ບ 🌡	176.8 356.8 121.2 N	128.42 BLED198910 I, Pwr= 0.	45 1 96 0	75.000 330 17.12		71.7 Minnesota Dist. = 25	7.02 Public Radic .43 km	31.2
Incrementary App DCX 348.2 188.22 188.22 199 157.3 Minnesota Public Radio 72. 168.2 188.22 188.22 199 157.3 Minnesota Public Radio 72. 168.2 188.22 188.22 199 157.3 Minnesota Public Radio 72. 168.2 188.2	16C1 *KCCMFW Jorhead Reference HAAT at		.3° £	321.3 141.3 87.8 M,	62.70 BLED19811119AL Pwr= 0.5 kw,	35 25 25 25	67.000 199 14.3 km		60.0 Minnesota st. = 1.57	41.03 Public Radi km	-i
LIC CN 312.9 114.07 LIC CN 32.9 114.07 LIC CN 24.3 59.30 LIC CN 37.9 18.90 LIC CN 37.9 18.60 LIC CN 37.		AP N		348.2 168.2	188,22 BPED20020130ACE	47 58 96 36	84.000 199	473 157.3	62.0 Minnesota	14.91 Public Radic	72.7
LIC CN 312.9 114.07 LIC C 121.8 170.16 MN 301.8 BLED19991213AAH		LI C	3	348.2 168.2	~	36	84.000 199	474 157.3	62.0 Minnesota	14.91 Public Radic	75
LIC C 121.8 170.16 301.8 301.8 3		ξĘ	5	312.9 132.9	114.07 BLED19820621A	7 00 7	100.000 302		72.5 North Dako	37.95 State	39. vers
VAC 121.8 my3391 45 30 02 yd 14 31 100 113.6 hd 39.1 do.56 77 LIC CN 24.3 501.8 my3391 46 48 24 do.4 31 50.000 583 sc.2 do.00 52.2 do.00 do.0 do.0 do.0 do.0 do.0 do.0 do.		LI M M	U	121.8 301.8	170.16 BLED19991213AAH	45 30 94 14	15.000 106	435 103.5	36.0 Minnesota	an	٠. ٢
LIC CN 28.3 ELH19940715KB 95 46 23 150 0.0 Detroit Lakes Broadcastif No. 204.3 BLH19940715KB 95 46 23 150 0.0 Detroit Lakes Broadcastif No. 206.1 BLED19930617KB 98 31 20 108.1 Prairie Public Broadcastif No. 214.9 BMPED20011114ABR 94 39 03 298 104.9 Minnesota Public Radio CP CX 37.5 193.78 47 41 29 80.000 680 66.8 79.95 103 Minnesota Public Radio No. 217.5 BPED20010208AAN 94 31 06 259 97.9 Minnesota Public Radio No. 217.9 BLED19940711KY 94 29 15 70.000 847 70.5 127.62 81 20	18C3 ALLO :. Cloud	VAC			170.16 RM9391	30		0 113.6	6	40.56	69.77
LIC CN 286.1 193.05 46 46 36 18.500 549 37.9 68.94 101 106.1 BLED19930617KB 98 31 20 108 108.1 Prairie Public Broadcasti 106.1 BLED19930617KB 94 39 03 298 104.9 Minnesota Public Radio 217.5 BPED20010208AN 94 31 06 259 97.9 Minnesota Public Radio MN 217.9 BLED19940711KY 94 29 15 70.000 847 70.5 127.62 81 82.46 105 Minnesota Public Radio 217.9 BLED19940711KY 94 29 15 70.000 847 70.5 127.62 81 82.8 BLED19840416CA 97 40 35 323 9.5 South Dakota Brd Of Dir F ND 132.7 BMLCT624 97 11 58 351 831 831 831 831 831 831 831 831 831 83	72C2 KRCQ etroit Lakes	MN	3		59.30 BLH19940715KB	6 48 5 46	50.000 150	583 0.0		15.0R ikes Broadcas	44.3M sting
APP CX 34.9 188.90	-	LIC ND	3	286.1 106.1	193.05 BLED19930617KB	46 31	18.500 108	549 108.1		68.94 Iblic Broadca	101.72 astin
CP CX 37.5 193.78	.7C1 KMBJ.A midji	APP MN	Ծ	6,6	188.90 BMPED20011114AB	47 42 94 39	100.000	713 104.9		68.05 Public Radio	6 -
LIC CN 37.9 196.06	.7C1 KNBJ.C midji	<u>0</u> ₹	ŏ	N ₁ N ₂	193.78 BPED20010208AAN	47 41 94 31	80.000 259	680 97.9	ed.		103
KDSDFM LIC CN 233.8 153.12 45 29 55 70.000 847 70.5 127.62 nt SD 53.8 BLED19840416CA 97 40 35 323 9.5 South Dakota Brd Of Dir WDAYTV LI HN 312.7 114.30 47 00 43 100.000 643 107.4 To Grd B= 6 ND 132.7 BMLCT624 97 11 58 351 0.0 Forum Communications Co	.7C1 KNBJ midji	LIC	5	~~	196.06 BLED19940711KY	42 0 29 1	60.000 297	717 97.6			105.17
WDAYTV LI HN 312.7 114.30 47 00 43 100.000 643 107.4 TO Grd B= 132.7 BMLCT624 97 11 58 351 0.0 Forum Communications	SC1 KDSDFM erpont	SD	3		153.12 BLED19840416CA	29 5 40 3	70.000	847 9.5	70.5 South Dako	2 0f Dì	_
		9 5	¥		114.30 BMLCT624	00 11 5	100.000 351	643	107.4 Forum Сомм		6.94 ompa

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



V-Soft Communications 03-21-2002 03 Sec. Terrain Data

KCCMFM BLED19811119AL

Channel = 216C1 Max ERP = 67 kW RCAMSL = 486 M N. Lat = 46 45 35

 $W. \text{ Lng} = 96 \ 36 \ 26$

Protected 60 dBu KNWF BPED19981120MC

Channel = 218A Max ERP = 0.5 kW RCAMSL = 480.3 M N. Lat = 46 19 16 W. Lng = 96 05 36

Interfering 100 dBu

Azimuth	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP) (kW)	HAAT (m)	Dist (km)	Actual (dBu)
124.0 125.0	067.0000 067.0000	0194.9 0195.1	059.6 059.6	032.8 032.4	000.5000 000.5000	0069.5	018.4	54.4
126.0	067.0000	0195.1	059.6	032.4	000.5000	0070.3	017.3	55.5
127.0	067.0000	0195.3	059.6	032.2	000.5000	0070.3	016.2	56.4
128.0	067.0000	0195.4	059.6	031.6	000.5000	0070.3	015.2 014.2	57.3
129.0	067.0000	0195.5	059.6	031.1	000.5000	0070.5	014.2	58.2
130.0	067.0000	0195.7	059.6	030.4	000.5000	0070.8	013.1	59.6 61.2
131.0	067.0000	0195.9	059.7	029.6	000.5000	0070.8	012.1	62.8
132.0	067.0000	0196.2	059.7	028.5	000.5000	0070.8	010.0	64.6
133.0	067.0000	0196.8	059.7	027.3	000.5000	0071.5	010.0	66.7
134.0	067.0000	0197.6	059.8	025.6	000.5000	0075.0	008.0	68.8
135.0	067.0000	0198.4	059.9	023.4	000.5000	0079.1	007.0	71.6
136.0	067.0000	0198.9	059.9	020.1	000.5000	0082.5	006.0	74.7
137.0	067.0000	0199.2	060.0	015.1	000.5000	0081.1	005.1	77.5
138.0	067.0000	0199.3	060.0	007.7	000.5000	0083.5	004.2	80.8
139.0	067.0000	0199.4	060.0	356.4	000.5000	0094.2	003.5	84.9
140.0	067.0000	0199.4	060.0	340.2	000.5000	0094.0	003.0	87.4
141.0	067.0000	0199.4	060.0	319.7	000.5000	0089.4	002.8	87.9
142.0	067.0000	0199.4	060.0	299.5	000.5000	0121.7	003.0	88.8
143.0	067.0000	0199.3	060.0	283,9	000.5000	0127.9	003.6	86.7
144.0	067.0000	0199.1	060.0	273.4	000.5000	0131.6	004.3	84.0
145.0	067.0000	0198.8	059.9	266.3	000.5000	0134.8	005.2	81.3
146.0	067.0000	0198.6	059.9	261.5	000.5000	0135.7	006.1	78.6
147.0	067.0000	0198.6	059.9	257.9	000.5000	0135.7	007.1	76.1
148.0	067.0000	0198.7	059.9	255.3	000.5000	0136.0	008.1	73.8
149.0	067.0000	0198.8	059.9	253.3	000.5000	0136.5	009.1	71.9
150.0	067.0000	0198.8	059.9	251.9	000.5000	0137.0	010.1	70.0
151.0	067.0000	0198.8	059.9	250.9	000.5000	0137.4	011.2	68.3
152.0	067.0000	0198.7	059.9	250.1	000.5000	0137.9	012.2	66.7
153.0	067.0000	0198.6	059.9	249.5	000.5000	0137.9	013.2	65.3
154.0	067.0000	0198.6	059.9	249.1	000.5000	0138.1	014.3	64.0
155.0	067.0000	0198.7	059.9	248.8	000.5000	0138.1	015.3	63.0
156.0	067.0000	0198.7	059.9	248.6	000.5000	0138.1	016.4	62.1
157.0	067.0000	0198.7	059.9	248.4	000.5000	0138.4	017.4	61.3
158.0	067.0000	0198.5	059.9	248.5	000.5000	0138.4	018.5	60.4

KNWF - Spacings Minor Modification

REFERENCE 46 19 16 N 96 05 36 W

DISPLAY DATES CLASS = A DATA 03-20-02
Current Spacings SEARCH 03-20-02 DATA 03-20-02

90 US .	30 W		Channel 218 - 91.5 MHz		SEARCH	03-20-02		
			Channel 21	8 -	91.5 MHz		-	
Call	(Channel	Location		Dist	Azi	FCC	Margin
KNWF	СP	218A	Fergus Falls	MN	0.00	0.0	115.0	-115.00
KRSU	LIC	217C	Appleton	MN	128.42	176.8	165.0	-36.58
KCCMFM			Moorhead	MN	62,70	321,3	75.0	-12.30
KQMN.A	APP	218C1	Thief River Falls	MN	188.22	348.2	200.0	-11.78
KQMN		218C1	Thief River Falls	MN	188.22	348,2	200.0	-11.78
KDSU		220C	Fargo	ИD	114.07	312.9	95.0	19.07
ALLO		218C3	St. Cloud	MN	170.16	121.8	142.0	28.16
KCFB		218C3	St. Cloud	MN	170.16	121.8	142.0	28.16
KRCQ		272C2	Detroit Lakes	MN	59.30	24.3	15.0	44.30
KPRJ		218B1	Jamestown	ND	193.05	286.1	143.0	50.05
KNBJ.A			Bemidji	MN	188.90	34.9	133.0	55.90
KNBJ.C		217C1	Bemidji	MN	193.78	37.5	133.0	60.78
KNBJ		217C1	Bemidji	MN	196.06	37.9	133.0	63.06
KDSDFM			Pierpont	SD	153.12	233.8	75.0	78.12
		219C1	Grand Rapids	MM	228.04	61.9	133.0	95.04
		221C3	Madison	MN	144.03	182.9	42.0	102.03
WYRQFM			Little Falls	MN	144.87	106.0	31.0	113.87
KNGA		218C2	St. Peter	MN	280.10	145.8	166.0	114.10
990311			Willmar	MN	153.31	144.2	31.0	122.31
KBHZ		220C3	Willmar	MN	172.81	147.1	42.0	130.81
KNSW	LIC	219C1	Worthington-marshal	MN	271.20	177.2	133.0	138.20