

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0029 (February 2007)	FOR FCC USE ONLY
FCC 340		
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION		FOR COMMISSION USE ONLY FILE NO. BNPED - 20071016AHK
Read INSTRUCTIONS Before Filling Out Form		

Section I - General Information

1.	Legal Name of the Licensee/Permittee MINNESOTA PUBLIC RADIO		
	Mailing Address 480 CEDAR STREET		
	City ST. PAUL	State or Country (if foreign address) MN	Zip Code 55101 -
	Telephone Number (include area code) 6512901259	E-Mail Address (if available) FCCFILING@MPR.ORG	
	FCC Registration Number: 0002642510	Call Sign	Facility Identifier 172640
2.	Contact Representative (if other than licensee/Permittee) TODD M STANSBURY		Firm or Company Name WILEY REIN LLP
	Telephone Number (include area code) 2027194948		E-Mail Address (if available) TSTANSBURY@WILEYREIN.COM
3.	Is this application being filed in response to a window? If Yes, specify closing date 10/19/2007 and/or window number:		<input checked="" type="radio"/> Yes <input type="radio"/> No
4.	Application Purpose		
	<input checked="" 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 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: -		
	(b) Service Type: <input checked="" type="radio"/> FM <input type="radio"/> TV <input type="radio"/> DTV		
	(c) Community of License: City: HINCKLEY 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.			[Exhibit 1]

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.	<input checked="" type="radio"/> Yes <input type="radio"/> 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 educationl institution; or b. a governmental entity other than a school; or c. a nonprofit educationl organization, other than described in a. or b.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No
3.	For applicants checking "Yes" to question 2(c) and applying for a new noncommercial educationl 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.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
4.	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. 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).	<input checked="" type="radio"/> Yes <input type="radio"/> No FCC FileNumber BMLED- 940420KA [Exhibit 2]
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.	<input checked="" type="radio"/> Yes <input type="radio"/> 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] <hr/> <p style="text-align: center;">Parties to the Application</p> 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.

(a) Name and Residence Address(es)	(b) Citizen-ship	(c) Positional Interest: Officer, director, investor/creditor attributable under the Commission's equity/debt plus standard, etc	(d) Director or Member of Governing Board	(e)% of:			(f) % of Total Assets (equity plus debt)
				Ownership(O) or Voting Stock(VS) or Membership (M)	Owner-ship (O) or	Voting Stock (VS) or	
PLEASE SEE ATTACHMENT TO EXHIBIT 3			<input type="radio"/> Yes <input type="radio"/> No				

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]

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:

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.

Yes No

See Explanation in [Exhibit 5]

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.

Yes No

12. **Local Public Notice.** Applicant certifies compliance with the public notice requirements of

Yes No

	47 C.F.R. Section 73.3580.	
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.	<input checked="" type="radio"/> Yes <input type="radio"/> 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.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.		
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. If "No" to 15., answer question 16. and 17.	<input checked="" type="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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="radio"/> Yes <input type="radio"/> 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). 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. 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 <input type="radio"/> Yes <input type="radio"/> No <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. 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 <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 checked="" 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 checked="" 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 checked="" type="radio"/> No
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.	<input type="radio"/> Yes <input checked="" type="radio"/> 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? 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).	<input type="radio"/> Yes <input checked="" type="radio"/> No [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.	<input type="radio"/> Yes <input checked="" type="radio"/> No
4.	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)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	New area served in square kilometers (excluding areas of water):	2510
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	28866

SECTION V - Tie Breakers - New and Major Change Applications Only (used to choose among competing radio and television applications receiving the same number of points in Section IV)

1.	Existing Authorizations. 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.
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	64 (number of commercial and non-commercial licenses and construction permits)
2.	Pending Applications. 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. 11 (number of pending commercial and non-commercial applications)

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 Name of Person Signing THOMAS J KIGIN	Typed or Printed Title of Person Signing E
Signature	Date 10/15/2007

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) TECHNICAL CONSULTANT	
Signature	Date 10/10/2007	
Mailing Address DOUG VERNIER TELECOMMUNICATIONS CONSULTANTS 721 WEST 1ST STREET		
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).

Section VII - FM Engineering	
TECHNICAL SPECIFICATIONS 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.	
TECH BOX	
1.	Channel Number: 203
2.	Class (select one): <input type="radio"/> D <input type="radio"/> A <input type="radio"/> B1 <input type="radio"/> B <input checked="" type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C
3.	Antenna Location Coordinates: (NAD 27)

Latitude:
Degrees 46 Minutes 1 Seconds 39.2 North South

Longitude:
Degrees 93 Minutes 1 Seconds 20.3 West East

4. Proposed Assignment Coordinates: (NAD 27) - RESERVED CHANNELS ABOVE 220 ONLY Not Applicable
Latitude:
Degrees Minutes Seconds North South
Longitude:
Degrees Minutes Seconds West East

5. Antenna Structure Registration Number: 1020168
 Not Applicable Notification filed with FAA

6. Overall Tower Height Above Ground Level: 144.8 meters

7. Height of Radiation Center Above Mean Sea Level: 432.2 meters(H) 432.2 meters(V)

8. Height of Radiation Center Above Ground Level: 100 meters(H) 100 meters(V)

9. Height of Radiation Center Above Average Terrain: 106.4 meters(H) 106.4 meters(V)

10. Effective Radiated Power: 5.3 kW(H) 5.3 kW(V)

11. Maximum Effective Radiated Power: Not Applicable kW(H) kW(V)
(Beam-Tilt Antenna ONLY)

12. Directional Antenna Relative Field Values: Not applicable (Nondirectional)
Rotation (Degrees): 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											

[Relative Field Polar Plot](#)

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 12-15.

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

14. **Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315. (Channels 221 and above) or 47 C.F.R. Section 73.515 (Channels 220 and below). Yes No
See Explanation in [Exhibit 14]

15. **Interference.** The proposed facility complies with all of the following applicable rule Yes No

	sections. Check all that apply:	See Explanation in [Exhibit 15]
	Contour Overlap Requirements. a. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.509 Exhibit Required.	[Exhibit 16]
	Spacing Requirements. b. <input type="checkbox"/> 47 C.F.R. Section 73.207 with respect to station(s)	
	Grandfathered Short-Spaced. c. <input type="checkbox"/> 47 C.F.R. Section 73.213(a) with respect to station(s) Exhibit Required.	[Exhibit 17]
	Contour Protection. d. <input type="checkbox"/> 47 C.F.R. Section 73.215(a) with respect to station(s) Exhibit Required.	[Exhibit 18]
	Television Channel 6 Protection. e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s) Exhibit Required.	[Exhibit 19]
16.	Reserved Channels Above 220. a. Availability of Channels. The proposed facility complies with the assignment requirements of 47 C.F.R. Section 73.203.	<input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 20]
17.	International Borders. The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico. If "No," specify the country and provide an exhibit of compliance with all provisions of the relevant International Agreement.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input checked="" type="radio"/> Canada <input type="radio"/> Mexico [Exhibit 21]
18.	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 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. 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.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 22]
19.	Community of License Change - Section 307(b). If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change comports with the fair distribution of service policies underlying Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)). An exhibit is required unless this question is not applicable.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A [Exhibit 23]
PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.		

Exhibits

Exhibit 2

Description: EXHIBIT 2 / ELIGIBILITY

PLEASE REFER TO EXHIBIT 4 FOR A COMPLETE LIST OF FACILITIES LICENSED TO THE APPLICANT.

Attachment 2

Exhibit 3

Description: EXHIBIT 3 / PARTIES TO THE APPLICATION

THE ATTACHMENT TO THIS EXHIBIT IS A LISTING OF THE BOARDS OF TRUSTEES OF THE APPLICANT, MINNESOTA PUBLIC RADIO, AS WELL AS ITS PARENT COMPANY, AMERICAN PUBLIC MEDIA GROUP. ADDITIONAL INFORMATION ON BOARD MEMBERS AND THEIR BROADCAST INTERESTS IS CONTAINED IN EXHIBIT 4.

Attachment 3

Description
Exh. 3 / Parties to the Application

Exhibit 4

Description: EXHIBIT 4 / FACILITIES

THE ATTACHMENT TO THIS EXHIBIT IS A COMPLETE LISTING OF FACILITIES LICENSED TO THE APPLICANT, WITH ADDITIONAL INFORMATION ON BOARD MEMBERS AND THEIR BROADCAST INTERESTS.

Attachment 4

Description
Exh. 4 / Facilities list

Exhibit 10

Description: FAIR DISTRIBUTION OF SERVICE 307(B)

PLEASE SEE ATTACHED EXHIBIT.

POPULATION FOR THIS 307B EXHIBIT WAS CALCULATED USING THE 2000 U.S. CENSUS BLOCK LEVEL SF1 POPULATION DATABASE. THE CENTROID METHOD WAS USED WITH 360 RADIALS AND THE AREA WAS CALCULATED USING NUMERIC INTEGRATION FROM THESE RADIALS.

Attachment 10

Description
Exhibit #10, Fair Distribution of Service - 307(b)

Exhibit 11

Description: 2ND NCE FM SERVICE

PLEASE SEE EXHIBIT #10.

Attachment 11

Exhibit 12

Description: EXHIBIT 12 / TRANSLATOR STATIONS

APPLICANT CURRENTLY OPERATES TRANSLATORS K283AN, W293AV, W226AY, AND W248AS IN HINCKLEY. 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), APPLICANT WILL REQUEST CANCELLATION OF THE LICENSE FOR ONE OF THESE FACILITIES. THERE WOULD STILL BE OVERLAP WITH THE COVERAGE AREA OF KNOW (MINNEAPOLIS-SAINT PAUL).

Attachment 12

Exhibit 13

Description: EXHIBIT 13 / REQUEST FOR MSR WAIVER

SEE ATTACHED REQUEST

Attachment 13

Description
Exh. 13 / MSR waiver request

Exhibit 14

Description: COMMUNITY COVERAGE

PLEASE SEE THE ATTACHED EXHIBIT

Attachment 14

Description
Exhibit #14 Community Service

Exhibit 16

Description: CONTOUR OVERLAP REQUIREMENTS

PLEASE SEE THE ATTACHED EXHIBIT

Attachment 16

Description
Exhibit #16, Contour Overlap Requirements

Exhibit 19

Description: TELEVISION CHANNEL 6 PROTECTION

PLEASE SEE THE ATTACHED EXHIBIT

Attachment 19

Description
Exhibit #19, Television Channel 6 Protection

Exhibit 21

Description: INTERNATIONAL BORDERS

THE PROPOSED FACILITY IS WITHIN 320 KILOMETERS OF THE US BORDER WITH CANADA, HOWEVER

THERE ARE NO PERTINENT RELATIONSHIPS WITH CANADIAN STATIONS, APPLICATIONS OR ALLOCATIONS. PLEASE SEE EXHIBIT #16.

Attachment 21

Exhibit 22

Description: ENVIRONMENTAL PROTECTION ACT

PLEASE SEE THE ATTACHED EXHIBIT

Attachment 22

Description
Exhibit #22, Environmental Protection Act

PARTIES TO THE APPLICATION

The items below correspond to the columns in the following tables:

- (a) Name and Address
- (b) Citizenship
- (c) Positional Interest
- (d) Director or Member of Governing Board
- (e) Percentage of Votes
- (f) Percentage of Assets (equity plus debt)

**MINNESOTA PUBLIC RADIO (MPR)
 AMERICAN PUBLIC MEDIA GROUP (APMG)**

(a)	(b)	(c)	(d)	(e)	(f)
Bradbury H Anderson Best Buy Corporate Campus 7601 Penn Avenue South Richfield, MN 55423	US	Trustee (MPR)	Yes	0	0
Andy Bessette The Travelers Companies, Inc. Mail code NB17A 385 Washington Street St. Paul, MN 55102	US	Trustee (MPR)	Yes	0	0
Susan Boren SpencerStuart Suite 2750 225 South Sixth Street Minneapolis, MN 55402	US	Trustee (MPR)	Yes	0	0
George Buckley 3M 3M Center 220-14W-05 St. Paul, MN 55144-1000	UK	Trustee (MPR)	Yes	0	0
Patrick J Denzer John B Collins Associates, Inc. 8500 Normandale Lake Blvd Suite 2400 Bloomington, MN 55437	US	Trustee (MPR)	Yes	0	0

(a)	(b)	(c)	(d)	(e)	(f)
Janet M Dolan Act III Enterprises William Moore Law Firm 7260 University Avenue NE Suite 160 Fridley, MN 55432	US	Trustee (MPR)	Yes	0	0
Ian R Friendly General Mills, Inc. #1 General Mills Blvd Minneapolis, MN 55426	US	Trustee (MPR)	Yes	0	0
Steve Fritze Ecolab, Inc 370 Wabasha Street North St. Paul, MN 55102	US	Trustee (MPR and APMG)	Yes	0	0
Sara H Gavin Weber Shandwick Minneapolis 8000 Norman Center Drive Suite 400 Minneapolis, MN 55437	US	Trustee (MPR and APMG)	Yes	0	0
Randall J Hogan Pentair, Inc 5500 Wayzata Blvd; Suite 800 Golden Valley, MN 55416	US	Trustee (MPR and APMG)	Yes	0	0
Kim R Jenson UBS Financial Services Inc. 800 Nicollet Mall Suite 700 Minneapolis, MN 55402	US	Trustee (MPR)	Yes	0	0
Anita H Kunin 2843 Burnham Blvd Minneapolis, MN 55416-4331	US	Trustee (MPR)	Yes	0	0
Karin L Larson Capital International Research, Inc. 11100 Santa Monica Blvd; 15 th Floor Los Angeles, CA 90025	US	Trustee (MPR)	Yes	0	0
Thomas R McBurney McBurney Management Advisors 80 South Eighth Street 4900 IDS Center Minneapolis, MN 55402	US	Trustee (MPR)	Yes	0	0

(a)	(b)	(c)	(d)	(e)	(f)
William R McLaughlin Select Comfort 6105 Trenton Lane North Plymouth, MN 55442	US	Trustee (MPR and APMG)	Yes	0	0
Pamela J Moret Thrivent Financial for Lutherans Mail Stop MS1630 625 4th Avenue South Minneapolis, MN 55415	US	Treasurer, Trustee (MPR and APMG)	Yes	0	0
Glen D Nelson, MD GDN Holdings 301 Carlson Parkway, Suite 315 Minnetonka, MN 55305	US	Chair, Trustee (MPR and APMG)	Yes	0	0
Michael O'Keefe Minneapolis College of Art & Design 2501 Stevens Avenue Minneapolis, MN 55404	US	Trustee (MPR)	Yes	0	0
David John Olderman 25286 Bob White Lane Blackduck, MN 56630	US	Trustee (MPR)	Yes	0	0
James J Phelps Northcrest Corporation 2635 University Avenue West Suite 190 Saint Paul, MN 55114	US	Trustee (MPR)	Yes	0	0
Addison (Tad) Piper Piper Jaffray Companies Inc 800 Nicollet Mall; J09502 Minneapolis, MN 55402	US	Trustee (MPR and APMG)	Yes	0	0
Paul Reyelts The Valspar Corporation 1101 Third Street South Minneapolis, MN 55415	US	Trustee (MPR)	Yes	0	0
Steven M Rothschild Twin Cities RISE! 4525 East Lake Harriett Parkway Minneapolis, MN 55409	US	Trustee (MPR)	Yes	0	0

(a)	(b)	(c)	(d)	(e)	(f)
David R Strand Cleveland Clinic Foundation 9500 Euclid Avenue Mail Code H 18 Cleveland, OH 44195	US	Vice-Chair, Trustee (MPR and APMG)	Yes	0	0
Austin P Sullivan Jr 700 Twelve Oaks Center Drive Suite 252 Wayzata, MN 55391	US	Trustee (MPR and APMG)	Yes	0	0
Dr Richard L Torgerson Luther College 700 College Drive Decorah, IA 52101-1045	US	Trustee (MPR)	Yes	0	0
William Pearce Box 2187 Loop Station Minneapolis, MN 55402	US	Life Trustee (MPR)	Yes	0	0
Robert J Sivertsen 29 Summit Court St. Paul, MN 55102	US	Life Trustee (MPR)	Yes	0	0
Joanne Von Blon 700 Second Street South # 8-1 Minneapolis, MN 55401	US	Life Trustee (MPR)	Yes	0	0
William H Kling Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	President of the Board of Trustees, President (MPR and APMG)	No	0	0
Thomas J Kigin Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR and APMG)	No	0	0
Jon R McTaggart Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR and APMG)	No	0	0

(a)	(b)	(c)	(d)	(e)	(f)
Mark E Alfuth Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR and APMG)	No	0	0
Jon K Gossett Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR)	No	0	0
Jana V Kanyadan Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR)	No	0	0
Sarah S Lutman Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR)	No	0	0
Mary S Nease Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR and APMG)	No	0	0
Timothy T Roesler Minnesota Public Radio American Public Media Group 480 Cedar Street Saint Paul, MN 55101	US	Staff Officer (MPR)	No	0	0
JJ Yore American Public Media Los Angeles 261 South Figueroa Street, Suite 200 Los Angeles, CA 90012	US	Staff Officer (MPR)	No	0	0

FCC Form 340
Exhibit 4
Minnesota Public Radio, FRN 0002-6425-10

Page 1

This document is responsive to Section II, item 7 of FCC Form 340. A responsible person for this document is Mitzi T Gramling (mgramling@mpr.org, 651.290.1259).

Minnesota Public Radio (MPR) holds licenses and/or construction permits for the following radio broadcast stations, all of which are operated on a noncommercial basis:

<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	<u>FREQUENCY</u>
KRSU-FM	42967	Appleton MN	91.3 MHz
KNCM-FM	42981	Appleton MN	88.5 MHz
KNSE-FM	90889	Austin MN	90.1 MHz
KCRB-FM	42970	Bemidji MN	88.5 MHz
KNBJ-FM	42966	Bemidji MN	91.3 MHz
KBPR-FM	42912	Brainerd MN	90.7 MHz
KBPN-FM	92068	Brainerd MN	88.3 MHz
WIRN-FM	78080	Buhl MN	92.5 MHz
WSCN-FM	42975	Cloquet MN	100.5 MHz
KNSR-FM	42938	Collegeville MN	88.9 MHz
KSJR-FM	42955	Collegeville MN	90.1 MHz
KLCD-FM	42943	Decorah IA	89.5 MHz
KLNI-FM	42932	Decorah IA	88.7 MHz
WSCD-FM	42940	Duluth MN	92.9 MHz
KNWF-FM	92141	Fergus Falls MN	91.5 MHz
KCMF -FM	92307	Fergus Falls MN	89.7 MHz
WMLS -FM	92306	Grand Marais MN	88.7 MHz
WLSN-FM	92302	Grand Marais MN	90.7 MHz
WGGL-FM	42913	Houghton MI	91.1 MHz
KXLC-FM	42918	La Crescent MN	91.1 MHz
KSJN-FM	42911	Minneapolis MN	99.5 MHz
KNOW-FM	42949	Minneapolis/St Paul MN	91.1 MHz
KCCD-FM	42951	Moorhead MN	90.3 MHz
KCCM-FM	42926	Moorhead MN	91.1 MHz
KCMP-FM	62162	Northfield MN	89.3 MHz

<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	<u>FREQUENCY</u>
KMSE-FM	83876	Rochester MN	88.7 MHz
KLSE-FM	42965	Rochester MN	91.7 MHz
KZSE-FM	42929	Rochester MN	90.7 MHz
KRXW-FM	166032	Roseau MN	103.5 MHz
KRSD-FM	42909	Sioux Falls SD	88.1 MHz
KGAC-FM	42910	St Peter MN	90.5 MHz
KNGA-FM	42944	St Peter MN	91.5 MHz
KWRV-FM	42917	Sun Valley ID	91.9 MHz
KNTN-FM	42922	Thief River Falls MN	102.7 MHz
KQMN-FM	42974	Thief River Falls MN	91.5 MHz
WIRR-FM	42957	Virginia/Hibbing MN	90.9 MHz
KNSW-FM	42947	Worthington/Marshall MN	91.7 MHz
KRSW-FM	42958	Worthington MN	89.3 MHz

MPR holds licenses or construction permits for the following noncommercial educational FM translators:

<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	
K280EB	42950	Albert Lea MN	103.9 MHz
K215BL	42971	Alexandria MN	90.9 MHz
K277AD	42979	Austin MN	103.3 MHz
K222BA	141797	Blue Earth MN	92.3 MHz
K270AQ	141824	Blue Earth MN	101.9 MHz
K208CR	86095	Ely MN	89.5 MHz
W269AC	42968	Ely MN	101.7 MHz
K281AB	42969	Grand Rapids MN	104.1 MHz
K297AD	42964	Grand Rapids MN	107.3 MHz
W226AY	141839	Hinckley MN	93.1 MHz
W248AS	141828	Hinckley MN	97.5 MHz
K283AN	141856	Hinckley MN	104.5 MHz

<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	
W293AV	141860	Hinckley MN	106.5 MHz
W224AO	42928	Houghton MI	92.7 MHz
K201CN	42936	International Falls MN	88.1 MHz
K249BK	42973	International Falls MN	97.7 MHz
K201BW	42952	La Crescent MN	88.1 MHz
K276EW	149175	Olivia MN	103.1 MHz
K280ET	152436	Olivia MN	103.9 MHz
K289AE	42948	Owatonna MN	105.7 MHz
K280EC	42961	Owatonna MN	103.9 MHz
K245AK	152818	Redwood Falls MN	96.9 MHz
W215AI	42942	Roseau MN	90.9 MHz
K264AR	141704	Roseau MN	100.7 MHz
K270AB	42978	Winona MN	101.9 MHz
W297AW	42907	Winona MN	107.3 MHz

MPR has the following pending applications for construction permits to build new FM noncommercial radio broadcast stations:

<u>FCC FILE NO.</u>	<u>COMMUNITY</u>	<u>FACILITY ID</u>	<u>FREQUENCY</u>
BNPED 20000119ACU	International Falls, MN	122662	88.3 MHz
BNPED20000119ABW	International Falls, MN	122570	89.7 MHz

MPR has the following pending application for a construction permit to build a new noncommercial translator station:

BNPFT20000316AAE	Minneapolis, MN	122965	91.9 MHz
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MPR holds the following Educational Broadband Service (EBS) licenses or construction permits:

<u>CALL SIGN</u>	<u>COMMUNITY</u>	<u>CHANNEL GROUP</u>
WHR-751	Duluth MN	G1,G2,G3,G4

<u>CALL SIGN</u>	<u>COMMUNITY</u>	<u>CHANNEL GROUP</u>
WHR-765	Fargo ND	C1,C2,C3,C4
WHR-750	St. Cloud MN	B1, B2, B3, B4
WHR-754	Mankato MN	A1,A2,A3,A4
WLX-299	Minneapolis MN	A1,A2,A3,A4
WHR-753	Rochester MN	B1,B2,B3,B4
WHR-752	Sioux Falls SD	B1,B2,B3,B4
WHR-497	St Paul MN	B1,B2,B3,B4

MPR is a wholly owned subsidiary of American Public Media Group (APMG). The Board of Trustees of APMG has certain approval rights with respect to organizational documents of MPR, appointment of certain members of MPR's Board of Trustees, and the sale of all or substantially all of MPR's assets. MPR is a licensee of the Commission. Ownership Reports for MPR and APMG were filed with the Commission most recently on April 30, 2007.

All Trustees and Officers of MPR are US citizens, with the exception of George W Buckley, who is a UK citizen. Trustee/officer William H Kling and officer Thomas J Kigin are on the Board of Directors of Comcast of Saint Paul. Trustee Anita Kunin's four sons and husband collectively own 85% of seven TV stations (KVRR, Fargo, ND; KJRR, Jamestown, ND; KBRR, Thief River Falls, MN; KNRR, Pembina, ND; KDLT, Sioux Falls, SD; KDLV, Mitchell, SD; and KQDS, Duluth, MN) and eighteen radio stations (KQDS-AM, KQDS-FM, KZIO, and WWAX, Duluth, MN; WLMX-FM, Balsam Lake, WI; WXCX, Siren, WI; KGHS and KSDM, International Falls, MN; KKIN-AM and KKIN-FM, Aitkin, MN; KFGI, Crosby, MN; WHSM-AM and WHSM-FM, Hayward, WI; KAOD, Babbitt, MN; KBAJ, Deer River, MN; WXXZ, Grand Marais, MN; WCMP-AM and WCMP-FM, Pine City, MN). Trustee William McLaughlin serves on the Board of Trustees of Carleton College, which is the licensee of KRLX-FM in Northfield, MN.

All Trustees and Officers of APMG are US citizens. Trustee/officer William H Kling and officer Thomas J Kigin are on the Board of Directors of Comcast of Saint Paul.

The Board of Trustees of American Public Media Group (APMG) has certain approval rights with respect to organizational documents of Minnesota Public Radio (MPR), appointment of certain members of MPR's Board of Trustees, and the sale of all or substantially all of MPR's assets.

Fair Distribution of Service Under 307(b) - 60 dBu Contours

Hinck203

Latitude: 46-01-39.20 N
 Longitude: 093-01-20.30 W
 ERP: 5.30 kW
 Channel: 203
 Frequency: 88.5 MHz
 AMSL Height: 432.2 m
 Elevation: 336.01 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

US Land Area = 2510 sq km

Population Database: 2000 US Census (SF1)

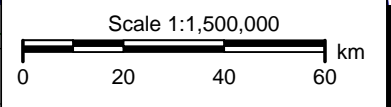
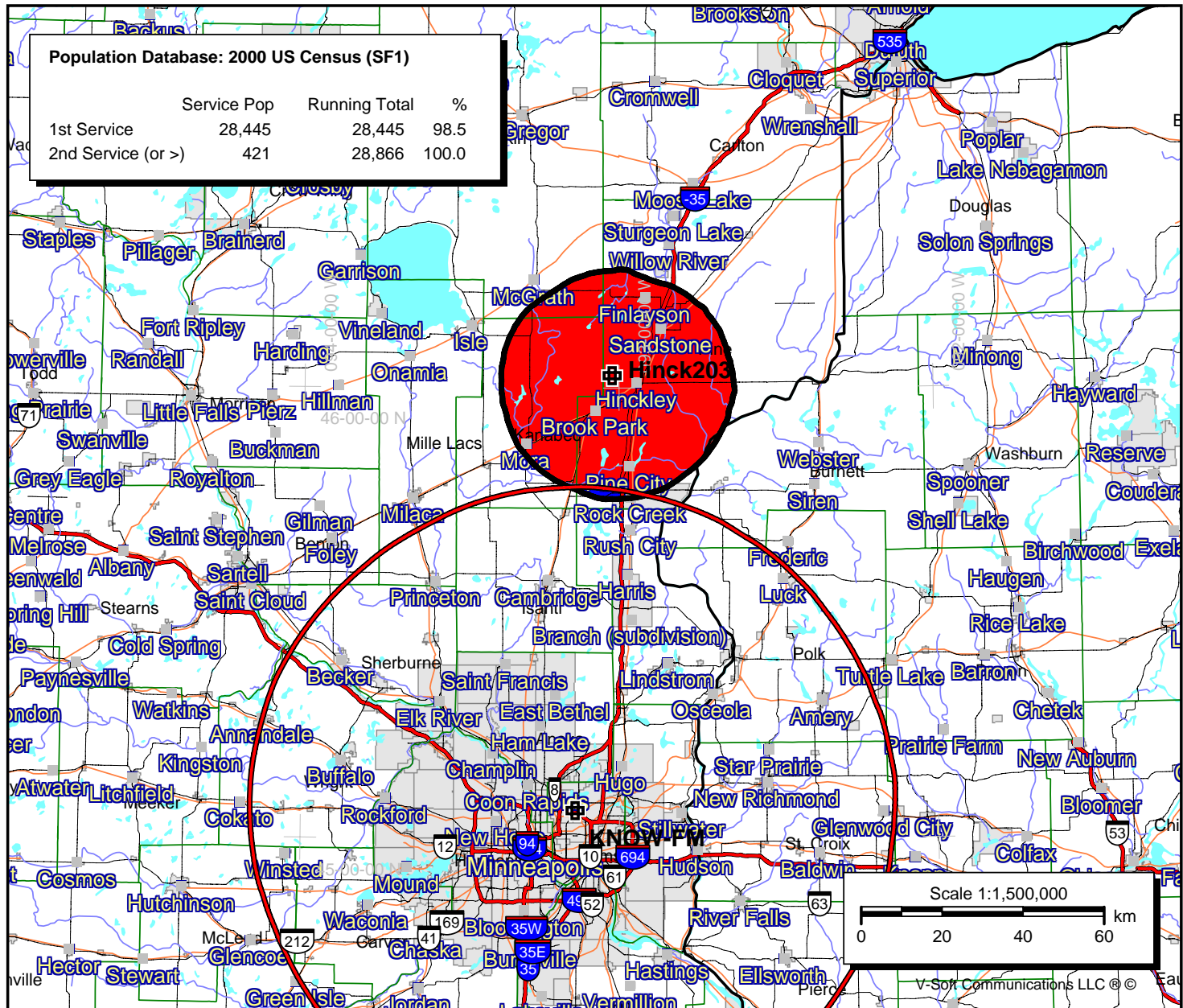
	Service Pop	Running Total	%
1st Service	28,445	28,445	98.5
2nd Service (or >)	421	28,866	100.0

- First Service
- Second Service

- Hinck203
- KNOW-FM

10/10/2007

V
 Doug Vernier
 721 West 1st Street, Suite A
 Cedar Falls, Iowa 50613
 (319) 266-8402
 Telecommunications Consultants



V-Sort Communications LLC ©

REQUEST FOR MAIN STUDIO RULE WAIVER

Minnesota Public Radio ("MPR") proposes to operate this facility as new noncommercial educational station to serve Hinckley and the surrounding area. MPR proposes that the station be operated as a satellite station of either KSJN (FM), KNOW (FM) or KCMP (FM). MPR is the licensee of all three stations. The main studios for KSJN, KNOW and KCMP are all located at 480 Cedar Street, Saint Paul, Minnesota 55101.

MPR is a nonprofit corporation formed for the purpose of providing noncommercial educational radio service to listeners in Minnesota and surrounding states. MPR's current 37 FM and 26 FM translator operating facilities provide 24-hour-a-day quality programming accessible to 98% of Minnesota's citizens, as well as to substantial numbers of listeners in North and South Dakota, Iowa, Wisconsin, Michigan, Idaho and southern Ontario, Canada. MPR provides programming to its network of stations from its primary Minneapolis/Saint Paul stations—KSJN, Minneapolis, KNOW, Minneapolis/Saint Paul and KCMP, Northfield—and from many of its network stations throughout the region. KNOW is an all-news/information station. KSJN is a classical music station and KCMP is a contemporary music/news station. The proposed new station will be operated by MPR as either a "classical music" station in that it may primarily broadcast KSJN, a "news" station in that it may primarily broadcast KNOW, or a "contemporary music/news" station in that it may primarily broadcast KCMP.

MPR currently operates four translator stations in Hinckley: K283AN (rebroadcasting KSJN), W293AV and W226AY (both rebroadcasting KNOW), and W248AS (rebroadcasting KCMP).

There are currently 20 active members in Hinckley who make financial contributions to MPR.

MPR therefore requests a waiver of Section 73.1125 of the Commission's Rules to permit MPR to operate this proposed new station as a satellite station without a main studio in the community of license. As demonstrated below, grant of the instant waiver request would be in the public interest.

The Commission has issued decisions stating that the "main studio must, at a minimum, maintain full-time managerial and full-time staff personnel." Jones Eastern of the Outer Banks, Inc., FCC 91-175, released June 19, 1991, at ¶ 9; see also Salem Broadcasting, Inc., DA 91-804, released July 2, 1991.

Grant of this requested waiver is necessary to permit MPR to operate this proposed new station as a satellite station because the local community cannot otherwise support it as a wholly independent noncommercial educational station. The population of Hinckley is only about 1300 (2000 Census). Because of this area's limited economic base, it is highly unlikely that a station with separate staff and studio could provide the same high-quality public radio service that MPR

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Minnesota Public Radio, FRN 0002-6425-10
Re: New station on Channel 203 in Hinckley, MN
Page 2

proposes. Therefore, waiver of Section 73.1125 is necessary in this case to ensure that the residents of the area receive the diverse and important programming MPR will provide.

The Commission has recognized the advantages accruing to noncommercial broadcasters from consolidated operations:

In the past, we have recognized the benefits of centralized operations for noncommercial educational stations, given the limited funding available to these stations, and we have granted waivers to state and regional public television and radio networks to operate "satellite" stations that do not necessarily meet the requirements of a main studio.

Main Studio Program Origination Rules, 3 FCC Rcd. 5024, 5027 (1988) (citing Nebraska Educational Television Commission, 4 R.R.2d 771 (1965)). Indeed, the Commission has previously determined that waiver of the main studio rule for other stations in the MPR network serves the public interest. See Letter from Linda Blair, Chief, Audio Services Division to Todd M. Stansbury, June 16, 2000 (attached hereto).

Upon grant of this request, MPR will satisfy the public needs and interests of residents of Hinckley by the following means:

- MPR maintains a toll-free telephone line and an email address by which the residents of the Hinckley area can reach MPR management to express concerns about the station operations. The toll-free telephone number goes directly to MPR's Member Benefits Department, as do e-mails the public sends to MPR. MPR currently has two live phone lines and three full-time employees who answer the phones and e-mails. In the past year, Member Benefits has handled about 30,000 incoming calls and 35,000 e-mail messages on every subject you can think of related to MPR, including many comments and questions about programming on all three of its services. While the number of phone lines and employees may change with time, MPR's commitment to maintain easy access is strong.
- MPR currently has one person in Saint Paul who is responsible for the final decisions on all programming on MPR stations. MPR has a news director, a classical music director and a director for contemporary music/news who all report to this person. Listener comments from Member Benefits also go to this person, who then distributes comments concerning the various services to their respective directors. Summaries of comments about all three services are widely distributed throughout the company and to the Board of Trustees. The current organizational structure may change with time, but the commitment to maintain control of programming and circulate listener opinions will not change.
- MPR has established a site on the World Wide Web (www.mpr.org) that enables local residents to receive extensive information regarding MPR's programming and provides a

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Minnesota Public Radio, FRN 0002-6425-10

Re: New station on Channel 203 in Hinckley, MN

Page 3

link for local residents to e-mail concerns about the station operations to MPR management. The site contains descriptions of special reports, schedules for all MPR programming, and online audio sources (live, and in some cases archived) for MPR programming. MPR has established homepages on the MPR Web site for its network stations. Also, the public inspection file for each MPR station is available on the MPR Web site. When the proposed station is constructed, MPR will add its information to the Web site.

- MPR operates the largest news organization of any radio service in the Midwest. With this extensive news resource, MPR is able to produce news, arts and cultural programming from throughout MPR's service area and distribute it to all stations in the network. MPR's staff located in nearby Collegeville and the staff in Saint Paul already subscribe to the local and area publications and maintain ongoing relationships with community residents and leaders, who are periodically contacted regarding local events and developments, including local arts and cultural events. MPR's staff uses information provided by these contacts to keep the communities it serves informed about local and regional arts and cultural events, and to keep classical music hosts informed about these events for broadcast by MPR, either regionally or throughout the MPR multistate network. In addition, MPR broadcasts news reports on its classical music service and on its contemporary music service.
- MPR has a reporter who subscribes to local and area publications and will maintain ongoing relationships with community residents and leaders, who would be contacted on a regular basis. The reporter will use information provided by these publications and contacts to investigate events and to file news stories of interest in Hinckley for broadcast by MPR, either regionally or throughout the MPR multi-station network.
- MPR promotes interaction between its management and local community leaders through several advisory boards, including an Institutional Sponsor Council ("ISC"). The ISC is a unique partnership between MPR's stations and colleges and universities throughout their listening areas. This venue enhances MPR's community representation and provides another forum for persons affiliated with the ISC members to discuss public affairs, programming, development, marketing and technology with MPR.
- Another way that MPR promotes interaction between its management and local community leaders is through six advisory boards and, as required by the Corporation for Public Broadcasting ("CPB"). Called Regional Development Advisory Councils ("RDACs"), these groups are managed by MPR station managers currently located in Rochester (southeastern Minnesota), Duluth (northeastern Minnesota), Bemidji (north central Minnesota) and the Twin Cities of Minneapolis and Saint Paul. The RDACs provide input to management on programming, which MPR thoughtfully considers when making program decisions for its stations, including Hinckley. It is MPR policy that residents of each of its service areas, including the Hinckley area, participate on an RDAC. RDACs currently meet twice a year and summaries of those meetings are supplied to MPR's Board of Trustees. In the past year, most of MPR's vice presidents and management have attended an RDAC meeting. Members

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Re: New station on Channel 203 in Hinckley, MN
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of the RDACs serve for a term of office. MPR's RDACs are in full compliance with CPB requirements for this type of advisory council.

The Commission has relied substantially on similar representations by MPR in finding that waivers of the main studio rule for other stations serve the public interest. Thus, the Commission has held that where MPR has pledged to (1) continue its policy for local residents to serve on an RDAC; (2) continue the relationship with the local community through membership; (3) solicit comments from residents regarding station operation and programming; (4) assign a reporter (who would be based in another community within the same region) who will produce and broadcast local inserts of interest to Hinckley residents, and will subscribe to local publications and maintain periodic contact with local residents and leaders, who will periodically contact and update the reporter concerning matters of local interest; (5) maintain a local toll-free telephone number for residents of Hinckley to contact MPR management in accordance with 47 C.F.R. § 73.1125(c); and (6) operate a site on the World Wide Web that enables local residents to receive extensive information and comment on MPR's programming, a waiver is warranted. See attached Letter dated June 16, 2000 from Linda Blair, Chief, Audio Services Division, Mass Media Bureau, to Todd M Stansbury, waiving the main studio rule for a new FM station at Grand Marais, MN, FCC file no. BPED-19981208MI. MPR is making the same pledges with respect to the Hinckley station.

For the foregoing reasons, MPR submits that it will be able to ascertain and satisfy the interests and needs of residents of the Hinckley area and, therefore, respectfully requests that the Commission grant this waiver of the main studio rule for this station.

Prepared by Mitzi T Gramling, Associate General Counsel
October 2007

WMLS

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C. 20554

JUN 16 2000

IN REPLY REFER TO:
1800B3-ALM

Todd M. Stansbury, Esquire
Wiley, Rein & Fielding
1776 K Street, N.W.
Washington, D. C. 20006

In Re: NEW (Ed. FM), Grand Marais, MN
Minnesota Public Radio
Facility ID No. 92306
File No. BPED-19981208MI

Dear Mr. Stansbury:

The staff has under consideration the application of Minnesota Public Radio ("MPR") for a new noncommercial educational FM station in Grand Marais, Minnesota. The application requests a waiver of the Commission's main studio requirement, *see* 47 C.F.R. § 73.1125, in order to operate the proposed Grand Marais station as a satellite of its commonly owned NCE station KSJN(FM), Minneapolis, Minnesota.¹ For the reasons set forth below, we shall grant MPR's application and its request for waiver.

Section 73.1125(a) requires each broadcast station to maintain a main studio within the station's principal community contour to ensure that the station will serve the needs and interests of the residents of its community of license. *Amendment of Sections 73.1125 and 73.1130*, 3 FCC Rcd 5024, 5027 (1988). However, under Section 73.1125(a)(4), the Commission will waive this requirement where "good cause" exists to do so and where the proposed studio location "would be consistent with the operation of the station in the public interest." Each waiver request by an NCE station seeking to operate as the satellite of another NCE station is considered on a case-by-case basis. The Commission has recognized the benefits of centralized operations for NCE stations, given their limited funding, and thus found "good cause" exists to waive the main studio location requirement where satellite operations are proposed. *Id.* A satellite station must, however, demonstrate that it will meet its local service obligation to satisfy the Section 73.1125 "public interest" standard. *Id.*

MPR's request is based on the economies of scale that would be realized by grant of its waiver. We agree and conclude that there is "good cause" to waive 47 C.F.R.

¹ A "satellite" station meets all of the Commission's technical rules, however, it originates no programming and instead rebroadcasts the parent station's programming. *See Amendment of Multiple Ownership Rules, Memorandum Opinion and Order*, 3 RR2d 1554, 1562 (1964).

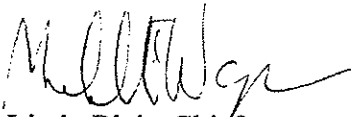
§ 73.1125(a)(4) in these circumstances.

MPR proposes to operate the proposed Grand Marais, Minnesota station, as a satellite of KSJN(FM), Minneapolis, Minnesota, approximately 220 miles from Grand Marais. Where there is a great distance between parent and satellite stations, as here, we are particularly concerned that the licensee take adequate measures to maintain its awareness of the satellite community's needs and interests. To that end, MPR has pledged to: (1) continue its policy that residents of each service area participate on a regional advisory council which provides input to management on programming issues of interest to the residents throughout MPR's service area, including Grand Marais; (2) continue its existing relationship with the community of Grand Marais which has been established by means of membership in MPR; (3) solicit comments from MPR members in Grand Marais concerning programming and station operation; (4) assign to Grand Marais a local news reporter currently based in Duluth, Minnesota who will produce and broadcast local inserts of interest to Grand Marais and who will subscribe to local and area publications and maintain ongoing relationships with community residents and leaders, who will periodically contact and update the reporter concerning matters of local interest; (5) maintain a toll-free telephone number for residents of Grand Marais to contact MPR management in accordance with 47 C.F.R. § 73.1125(c); and (6) operate a site on the World Wide Web, which enables local residents to receive extensive information and comment on MPR's programming.

In these circumstances, we are persuaded that MPR will meet its local service obligations and thus, that grant of the requested waiver is consistent with the public interest. We remind MPR, however, of the requirement that it maintain a public file for the Grand Marais station at the main studio of the "parent" station KSJN(FM). *See Review of the Commission's Rules Regarding the Main Studio and Local Public Inspection Files of Broadcast Television and Radio Stations*, 64 Fed. Reg. 35941 (July 2, 1999). We further remind MPR that notwithstanding the grant of the waiver requested here, the public file for the Grand Marais station must contain the quarterly issues and programs list required by 47 C.F.R. § 73.3527(e)(8).

Accordingly, the application of Minnesota Public Radio for a new noncommercial, educational FM station at Grand Marais, Minnesota (BPED-19981208MI), being in all respects acceptable, and its request for waiver of 47 C.F.R. § 73.1125 ARE HEREBY GRANTED.

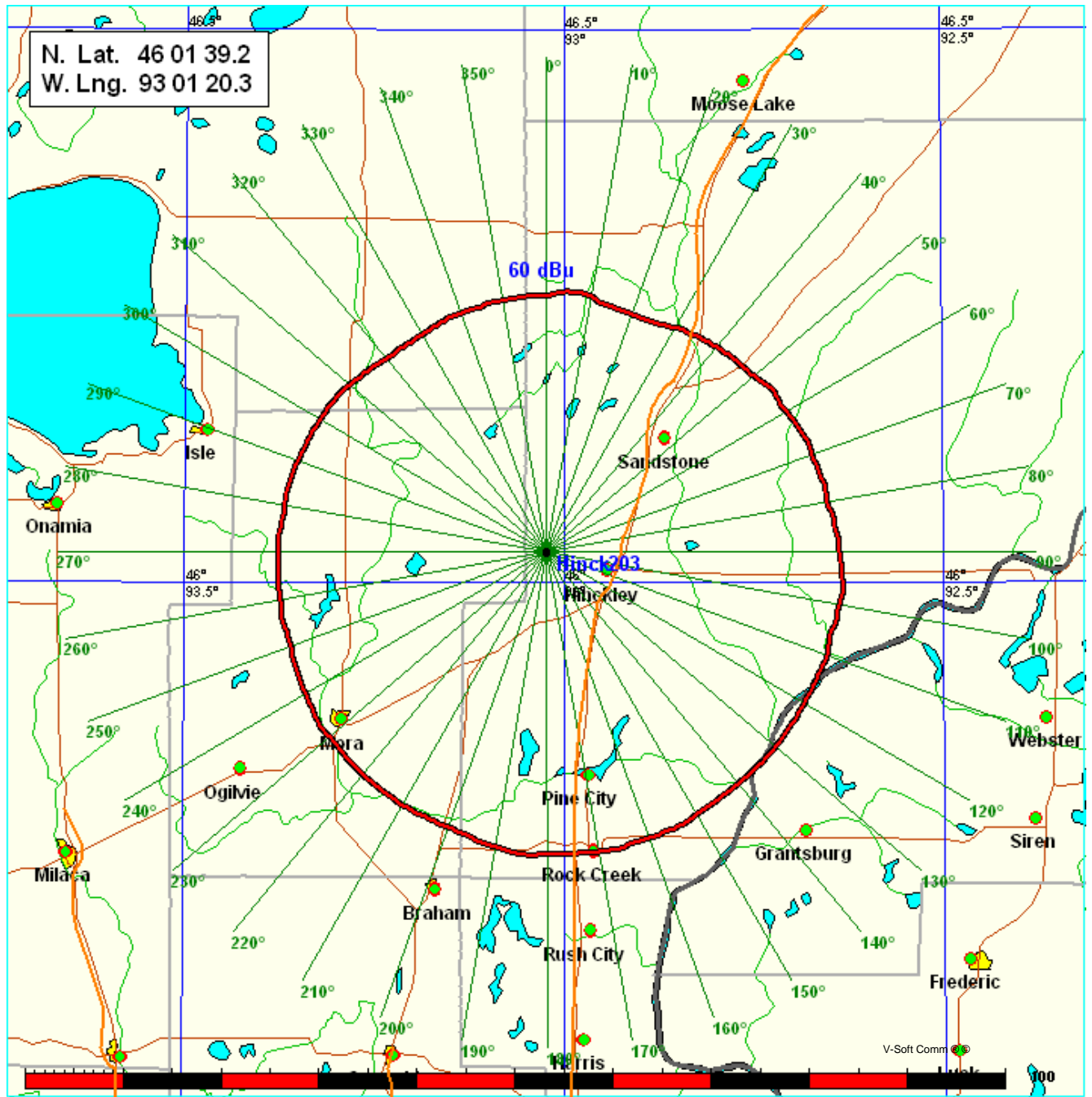
Sincerely,


① Linda Blair, Chief
Audio Services Division
Mass Media Bureau

Minnesota Public Radio
Hinckley 203 Community Coverage

Coverage Study
10-09-2007

Hinck203 CH203 A 5.3 kW 432.2 M COR
Prot. = 60 dBu. Population = 28,866 Area = 2510 sq km



N. Lat. = 460139.2 W. Lng. = 930120.3
 HAAT and Distance to Contour - FCC Method - USGS 03 SEC
 Hinckley 203 - 60 dBu Contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	344.8	87.4	5.3000	7.24	1.000	25.83
010	342.6	89.6	5.3000	7.24	1.000	26.13
020	347.3	84.9	5.3000	7.24	1.000	25.47
030	343.0	89.2	5.3000	7.24	1.000	26.07
040	336.7	95.5	5.3000	7.24	1.000	26.93
050	332.0	100.2	5.3000	7.24	1.000	27.54
060	325.9	106.3	5.3000	7.24	1.000	28.30
070	321.9	110.3	5.3000	7.24	1.000	28.79
080	319.9	112.3	5.3000	7.24	1.000	29.02
090	312.8	119.4	5.3000	7.24	1.000	29.80
100	308.1	124.1	5.3000	7.24	1.000	30.27
110	306.8	125.4	5.3000	7.24	1.000	30.40
120	308.2	124.0	5.3000	7.24	1.000	30.26
130	307.0	125.2	5.3000	7.24	1.000	30.39
140	307.4	124.8	5.3000	7.24	1.000	30.34
150	306.2	126.0	5.3000	7.24	1.000	30.46
160	306.0	126.2	5.3000	7.24	1.000	30.48
170	304.9	127.3	5.3000	7.24	1.000	30.60
180	306.4	125.8	5.3000	7.24	1.000	30.44
190	310.0	122.2	5.3000	7.24	1.000	30.08
200	316.2	116.0	5.3000	7.24	1.000	29.43
210	317.1	115.1	5.3000	7.24	1.000	29.33
220	318.7	113.5	5.3000	7.24	1.000	29.16
230	320.8	111.4	5.3000	7.24	1.000	28.92
240	325.1	107.1	5.3000	7.24	1.000	28.41
250	330.2	102.0	5.3000	7.24	1.000	27.77
260	331.9	100.3	5.3000	7.24	1.000	27.56
270	333.7	98.5	5.3000	7.24	1.000	27.33
280	335.2	97.0	5.3000	7.24	1.000	27.12
290	336.0	96.2	5.3000	7.24	1.000	27.02
300	338.3	93.9	5.3000	7.24	1.000	26.71
310	341.6	90.6	5.3000	7.24	1.000	26.27
320	347.1	85.1	5.3000	7.24	1.000	25.50
330	348.3	83.9	5.3000	7.24	1.000	25.33
340	346.1	86.1	5.3000	7.24	1.000	25.64
350	345.2	87.0	5.3000	7.24	1.000	25.76

Ave El= 325.82 M HAAT= 106.4 M AMSL= 432.2 M

Minnesota Public Radio

Hickley 203

REFERENCE
46 01 39.2 N.
93 01 20.3 W.

CH# 203A - 88.5 MHz, Pwr= 5.3 kW, HAAT= 106.4 M, COR= 432.2 M
Average Protected F(50-50)= 28.32 km

DISPLAY DATES
DATA 10-09-07
SEARCH 10-09-07

CH CITY	CALL	TYPE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
06+2C Superior	KBJRTV	LI	_HY WI	39.1 219.8	109.74 BLCT20000517AEX	46 47 21.0 92 06 51.0	100.000 302	604	108.6 Kbjr License, Inc.	151.2R	-41.5M
203A Superior	971211MC	APP	NVX WI	39.1 219.8	109.74 BPED19971211MC	46 47 21.0 92 06 51.0	1.000 87	69.2 390	22.8 State Of Wisconsin - Educa	13.65	3.03
203A Minneapolis	KBEM-FM	LIC	_CN MN	189.3 9.1	118.27 BLED813	44 58 38.0 93 15 55.0	2.150 113	70.3 371	22.1 Board Of Education, Speci	17.84	7.78
202C1 Menomonee	WHWC	LIC	DCY WI	140.0 320.8	141.69 BLED19980904KB	45 02 49.0 91 51 47.0	71.000 320	101.9 625	70.1 State Of Wisconsin - Educa	9.44	25.09
203C1 Bemidji	KCRB-FM	LIC	_CX MN	329.7 148.7	217.40 BLED20030429AAO	47 42 21.0 94 29 09.0	83.000 301	167.6 720	70.7 Minnesota Public Radio	24.51	64.85
202C3 Braidnerd	KBPN	LIC	_CX MN	292.2 111.1	119.39 BLED20030722ACJ	46 25 21.0 94 27 41.0	5.000 204	58.6 597	39.5 Minnesota Public Radio	33.86	38.36
204A Esko	970331MA	CP	_VN MN	33.6 214.1	90.94 BPED19970331MA	46 42 22.0 92 21 44.0	0.450 29	11.7 372	8.3 Lincoln High School Esko,	52.76	41.93
206C2 Cloquet	Cloquet	APP	D__ MN	15.1 195.4	93.20	46 50 10.7 92 42 08.1	25.000 135	4.7 537	43.9	62.89	46.79
201C2 Wentworth	971009MB	APP	_VX WI	62.5 243.3	95.51 BPED19971211MN	46 25 07.0 91 55 12.0	31.000 90	3.5 454	34.1 American Family Associati	63.53	58.65
204A River Falls	WRFW	LIC	_CN WI	167.2 347.4	130.12 BLED1630	44 53 08.0 92 39 20.0	3.000 25	29.4 351	20.0 Board Of Regents, Universi	70.11	63.19
205C1 Collegeville	KNSR	LIC	_CN MN	243.9 62.8	131.75 BLED19880907KA	45 29 52.0 94 32 14.0	100.000 222	8.6 581	65.6 Minnesota Public Radio	94.92	63.40
205C1 Reserve	WOJB	LIC	_CN WI	97.1 278.3	130.91 BLED19820428AH	45 52 16.0 91 20 56.0	100.000 184	8.1 595	63.3 Lac Courte Oreilles Ojibwa	92.30	64.70
201C2 St. Cloud	KVSC	LIC	_VN MN	239.2 58.4	109.84 BLED19921103KB	45 31 00.0 94 13 52.0	16.500 136	4.3 463	41.6 St. Cloud State University	77.08	65.48

Terrain database is USGS 03 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
ERP and HAAT are on direct line to and from reference station.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
Reference station has protected zone issue: Canada

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "*** IN ***" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights and power are the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "*** OUT ***" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Under the "AZIMUTH" column, the first row of numbers indicate the True North bearings from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships and relationships with commercial channel stations the minimum spacings the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The call letters of stations meeting the minimum separation distances will be flagged by the characters "<<" appended to the end of the call letters. The "^" character appended to the call letters means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

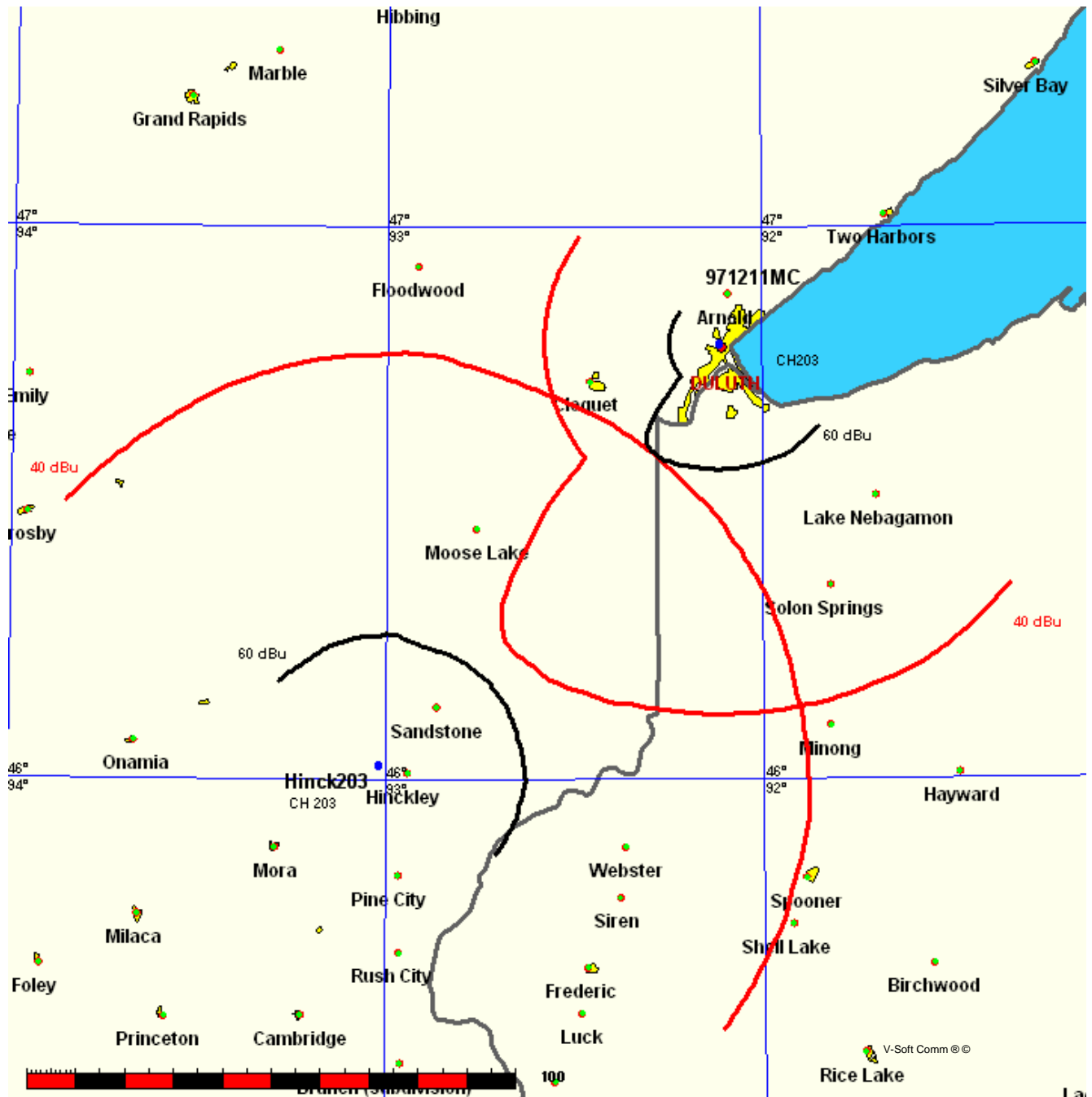
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.

Minnesota Public Radio
Hinckley 203 v 971211MC

FMCommander Single Allocation Study
10-09-2007

Hinck203 CH 203 A
5.3 kW 432.2 M COR
Prot. = 60 dBu
Intef. = 40 dBu

971211MC CH 203 A BPED19971211MC
1.0 kW, 390.2 M COR
Prot. = 60 dBu
Intef. = 40 dBu



10-09-2007

USGS 03 SEC Terrain Data

FMOver Analysis

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Protected
 60 dBu

971211MC BPED19971211MC
 Channel = 203A
 Max ERP = 1 kW
 RCAMSL = 390.2 M
 N. Lat. 46 47 21.0
 W. Lng. 92 06 51.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
339.0	005.3000	0086.2	025.7	232.7	001.0000	0015.8	099.5	26.08
340.0	005.3000	0086.2	025.7	232.6	001.0000	0015.9	099.1	26.17
341.0	005.3000	0086.0	025.6	232.5	001.0000	0015.9	098.7	26.25
342.0	005.3000	0086.1	025.6	232.4	001.0000	0016.0	098.3	26.34
343.0	005.3000	0085.9	025.6	232.3	001.0000	0016.1	097.9	26.42
344.0	005.3000	0086.0	025.6	232.2	001.0000	0016.2	097.4	26.50
345.0	005.3000	0086.2	025.7	232.2	001.0000	0016.3	097.0	26.59
346.0	005.3000	0086.6	025.7	232.1	001.0000	0016.3	096.6	26.68
347.0	005.3000	0086.9	025.8	232.0	001.0000	0016.4	096.2	26.76
348.0	005.3000	0087.1	025.8	231.9	001.0000	0016.6	095.7	26.85
349.0	005.3000	0087.1	025.8	231.8	001.0000	0016.9	095.3	26.93
350.0	005.3000	0087.1	025.8	231.6	001.0000	0017.2	094.9	27.01
351.0	005.3000	0087.1	025.8	231.5	001.0000	0017.7	094.5	27.09
352.0	005.3000	0087.2	025.8	231.4	001.0000	0018.2	094.1	27.17
353.0	005.3000	0087.2	025.8	231.2	001.0000	0018.9	093.8	27.25
354.0	005.3000	0087.3	025.8	231.1	001.0000	0019.6	093.4	27.32
355.0	005.3000	0087.4	025.8	230.9	001.0000	0020.3	093.0	27.40
356.0	005.3000	0087.6	025.9	230.8	001.0000	0021.0	092.6	27.48
357.0	005.3000	0087.6	025.9	230.6	001.0000	0021.8	092.2	27.56
358.0	005.3000	0087.7	025.9	230.4	001.0000	0022.7	091.9	27.63
359.0	005.3000	0087.6	025.9	230.3	001.0000	0023.8	091.5	27.70
000.0	005.3000	0087.5	025.8	230.1	001.0000	0025.0	091.2	27.77
001.0	005.3000	0087.9	025.9	229.9	001.0000	0026.2	090.8	27.85
002.0	005.3000	0089.0	026.0	229.8	001.0000	0027.0	090.4	27.94
003.0	005.3000	0090.1	026.2	229.7	001.0000	0028.0	089.9	28.03
004.0	005.3000	0090.7	026.3	229.5	001.0000	0029.3	089.5	28.11
005.0	005.3000	0091.0	026.3	229.3	001.0000	0031.0	089.2	28.23
006.0	005.3000	0091.0	026.3	229.1	001.0000	0032.9	088.9	28.40
007.0	005.3000	0091.0	026.3	228.9	001.0000	0034.9	088.6	28.56
008.0	005.3000	0090.9	026.3	228.6	001.0000	0037.0	088.3	28.74
009.0	005.3000	0090.5	026.3	228.4	001.0000	0039.3	088.0	28.91
010.0	005.3000	0089.7	026.1	228.1	001.0000	0041.8	087.8	29.09
011.0	005.3000	0088.3	025.9	227.8	001.0000	0044.6	087.7	29.26
012.0	005.3000	0087.3	025.8	227.5	001.0000	0047.2	087.6	29.43
013.0	005.3000	0086.7	025.7	227.2	001.0000	0049.8	087.4	29.61
014.0	005.3000	0086.3	025.7	226.9	001.0000	0052.4	087.2	29.79
015.0	005.3000	0086.1	025.6	226.7	001.0000	0054.6	087.0	29.96

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
016.0	005.3000	0085.7	025.6	226.4	001.0000	0056.8	086.8	30.11
017.0	005.3000	0085.5	025.6	226.1	001.0000	0058.6	086.6	30.25
018.0	005.3000	0085.5	025.6	225.9	001.0000	0060.2	086.4	30.38
019.0	005.3000	0085.4	025.5	225.6	001.0000	0061.6	086.2	30.50
020.0	005.3000	0085.0	025.5	225.3	001.0000	0063.4	086.0	30.62
021.0	005.3000	0084.7	025.4	225.0	001.0000	0065.6	085.9	30.77
022.0	005.3000	0084.8	025.5	224.8	001.0000	0068.2	085.7	30.95
023.0	005.3000	0085.0	025.5	224.5	001.0000	0071.7	085.5	31.16
024.0	005.3000	0085.4	025.5	224.2	001.0000	0075.5	085.3	31.41
025.0	005.3000	0085.9	025.6	224.0	001.0000	0079.9	085.1	31.68
026.0	005.3000	0086.3	025.7	223.7	001.0000	0085.0	084.9	31.98
027.0	005.3000	0086.7	025.7	223.4	001.0000	0090.1	084.7	32.28
028.0	005.3000	0087.3	025.8	223.1	001.0000	0095.1	084.5	32.58
029.0	005.3000	0088.2	025.9	222.8	001.0000	0100.4	084.3	32.89
030.0	005.3000	0089.3	026.1	222.6	001.0000	0105.4	084.0	33.20
031.0	005.3000	0090.4	026.2	222.3	001.0000	0110.1	083.8	33.49
032.0	005.3000	0091.2	026.4	222.0	001.0000	0114.5	083.6	33.75
033.0	005.3000	0091.8	026.4	221.7	001.0000	0119.2	083.5	34.01
034.0	005.3000	0092.4	026.5	221.4	001.0000	0124.2	083.3	34.28
035.0	005.3000	0093.2	026.6	221.1	001.0000	0130.1	083.2	34.59
036.0	005.3000	0093.5	026.7	220.7	001.0000	0137.2	083.1	34.94
037.0	005.3000	0094.1	026.7	220.4	001.0000	0143.9	083.0	35.26
038.0	005.3000	0094.6	026.8	220.1	001.0000	0149.1	082.9	35.51
039.0	005.3000	0095.1	026.9	219.8	001.0000	0153.2	082.8	35.72
040.0	005.3000	0095.6	026.9	219.5	001.0000	0157.0	082.7	35.90
041.0	005.3000	0096.2	027.0	219.1	001.0000	0161.0	082.7	36.10
042.0	005.3000	0097.0	027.1	218.8	001.0000	0165.0	082.6	36.29
043.0	005.3000	0097.3	027.2	218.5	001.0000	0168.7	082.6	36.45
044.0	005.3000	0097.8	027.2	218.1	001.0000	0172.3	082.6	36.61
045.0	005.3000	0098.2	027.3	217.8	001.0000	0175.6	082.6	36.74
046.0	005.3000	0098.5	027.3	217.5	001.0000	0178.6	082.6	36.85
047.0	005.3000	0098.7	027.3	217.1	001.0000	0181.5	082.6	36.96
048.0	005.3000	0099.0	027.4	216.8	001.0000	0184.6	082.7	37.07
049.0	005.3000	0099.4	027.4	216.5	001.0000	0187.0	082.7	37.15
050.0	005.3000	0100.3	027.5	216.1	001.0000	0188.7	082.7	37.21
051.0	005.3000	0101.5	027.7	215.8	001.0000	0190.3	082.7	37.29
052.0	005.3000	0102.9	027.9	215.4	001.0000	0191.4	082.7	37.34
053.0	005.3000	0104.4	028.1	215.1	001.0000	0192.2	082.6	37.39
054.0	005.3000	0105.3	028.2	214.7	001.0000	0192.9	082.7	37.39
055.0	005.3000	0105.4	028.2	214.4	001.0000	0193.5	082.9	37.37
056.0	005.3000	0104.8	028.1	214.1	001.0000	0194.1	083.1	37.31
057.0	005.3000	0104.6	028.1	213.8	001.0000	0194.7	083.3	37.27
058.0	005.3000	0104.6	028.1	213.5	001.0000	0195.3	083.5	37.23
059.0	005.3000	0105.4	028.2	213.1	001.0000	0195.8	083.6	37.21
060.0	005.3000	0106.4	028.3	212.8	001.0000	0196.1	083.8	37.18
061.0	005.3000	0106.5	028.3	212.5	001.0000	0196.2	084.0	37.12
062.0	005.3000	0107.4	028.4	212.2	001.0000	0196.4	084.1	37.08
063.0	005.3000	0107.8	028.5	211.9	001.0000	0196.7	084.3	37.02
064.0	005.3000	0108.0	028.5	211.6	001.0000	0197.0	084.6	36.96
065.0	005.3000	0108.7	028.6	211.3	001.0000	0197.3	084.8	36.91
066.0	005.3000	0109.8	028.7	210.9	001.0000	0197.6	085.0	36.87

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
067.0	005.3000	0110.5	028.8	210.6	001.0000	0198.0	085.2	36.81
068.0	005.3000	0110.8	028.8	210.3	001.0000	0198.3	085.5	36.73
069.0	005.3000	0110.5	028.8	210.1	001.0000	0198.7	085.8	36.64
070.0	005.3000	0110.4	028.8	209.8	001.0000	0199.0	086.1	36.55
071.0	005.3000	0110.5	028.8	209.6	001.0000	0199.4	086.5	36.46
072.0	005.3000	0110.9	028.9	209.3	001.0000	0199.8	086.8	36.38
073.0	005.3000	0111.1	028.9	209.1	001.0000	0200.4	087.1	36.30
074.0	005.3000	0111.4	028.9	208.8	001.0000	0201.1	087.4	36.23
075.0	005.3000	0111.9	029.0	208.6	001.0000	0201.8	087.8	36.15
076.0	005.3000	0112.5	029.0	208.3	001.0000	0202.6	088.1	36.08
077.0	005.3000	0112.9	029.1	208.1	001.0000	0203.2	088.4	36.00
078.0	005.3000	0112.8	029.1	207.9	001.0000	0203.6	088.8	35.89
079.0	005.3000	0112.5	029.0	207.7	001.0000	0204.0	089.2	35.77
080.0	005.3000	0112.4	029.0	207.5	001.0000	0204.3	089.7	35.66
081.0	005.3000	0112.9	029.1	207.3	001.0000	0204.6	090.0	35.55
082.0	005.3000	0114.4	029.3	207.0	001.0000	0204.7	090.3	35.46
083.0	005.3000	0115.7	029.4	206.7	001.0000	0204.8	090.7	35.36
084.0	005.3000	0115.9	029.4	206.5	001.0000	0204.8	091.1	35.23
085.0	005.3000	0116.1	029.4	206.4	001.0000	0204.7	091.5	35.10
086.0	005.3000	0116.8	029.5	206.2	001.0000	0204.7	091.9	34.97
087.0	005.3000	0117.9	029.6	205.9	001.0000	0204.6	092.3	34.85
088.0	005.3000	0118.9	029.7	205.7	001.0000	0204.5	092.7	34.72
089.0	005.3000	0119.2	029.8	205.6	001.0000	0204.5	093.2	34.58
090.0	005.3000	0119.5	029.8	205.4	001.0000	0204.4	093.6	34.44
091.0	005.3000	0120.2	029.9	205.3	001.0000	0204.3	094.1	34.31
092.0	005.3000	0121.3	030.0	205.1	001.0000	0204.3	094.5	34.17
093.0	005.3000	0122.1	030.1	204.9	001.0000	0204.2	095.0	34.03
094.0	005.3000	0122.9	030.1	204.7	001.0000	0204.1	095.4	33.89
095.0	005.3000	0124.0	030.3	204.6	001.0000	0204.1	095.9	33.76
096.0	005.3000	0125.3	030.4	204.4	001.0000	0204.0	096.4	33.62
097.0	005.3000	0126.4	030.5	204.2	001.0000	0204.0	096.8	33.48
098.0	005.3000	0125.9	030.5	204.2	001.0000	0203.9	097.4	33.32
099.0	005.3000	0124.8	030.3	204.2	001.0000	0203.9	097.9	33.16

10-09-2007 USGS 03 SEC Terrain Data

971211MC BPED19971211MC
 Channel = 203A
 Max ERP = 1 kW
 RCAMSL = 390.2 M
 N. Lat. 46 47 21.0
 W. Lng. 92 06 51.0
 Protected
 60 dBu

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
160.0	001.0000	0197.7	025.5	051.9	005.3000	0102.8	099.4	36.29
161.0	001.0000	0197.4	025.5	051.8	005.3000	0102.7	098.9	36.39
162.0	001.0000	0197.3	025.5	051.7	005.3000	0102.5	098.5	36.48
163.0	001.0000	0196.7	025.5	051.6	005.3000	0102.4	098.1	36.58
164.0	001.0000	0196.1	025.5	051.5	005.3000	0102.2	097.7	36.67
165.0	001.0000	0195.7	025.4	051.4	005.3000	0102.1	097.3	36.76
166.0	001.0000	0195.4	025.4	051.3	005.3000	0101.9	096.9	36.85
167.0	001.0000	0195.0	025.4	051.2	005.3000	0101.8	096.5	36.94
168.0	001.0000	0195.0	025.4	051.1	005.3000	0101.6	096.1	37.03
169.0	001.0000	0195.1	025.4	051.0	005.3000	0101.5	095.7	37.12
170.0	001.0000	0194.7	025.4	050.8	005.3000	0101.3	095.4	37.21
171.0	001.0000	0194.4	025.4	050.7	005.3000	0101.1	095.0	37.30
172.0	001.0000	0194.3	025.3	050.5	005.3000	0101.0	094.6	37.39
173.0	001.0000	0194.2	025.3	050.4	005.3000	0100.8	094.2	37.48
174.0	001.0000	0194.2	025.3	050.3	005.3000	0100.6	093.9	37.56
175.0	001.0000	0194.3	025.3	050.1	005.3000	0100.4	093.5	37.65
176.0	001.0000	0193.8	025.3	049.9	005.3000	0100.2	093.1	37.73
177.0	001.0000	0193.2	025.3	049.8	005.3000	0100.0	092.8	37.81
178.0	001.0000	0193.3	025.3	049.6	005.3000	0099.8	092.5	37.89
179.0	001.0000	0194.2	025.3	049.5	005.3000	0099.7	092.1	37.99
180.0	001.0000	0193.8	025.3	049.3	005.3000	0099.6	091.7	38.07
181.0	001.0000	0193.6	025.3	049.1	005.3000	0099.5	091.4	38.15
182.0	001.0000	0193.4	025.3	048.9	005.3000	0099.4	091.1	38.23
183.0	001.0000	0193.2	025.3	048.7	005.3000	0099.3	090.8	38.31
184.0	001.0000	0193.1	025.3	048.5	005.3000	0099.2	090.5	38.39
185.0	001.0000	0192.4	025.2	048.3	005.3000	0099.1	090.2	38.46
186.0	001.0000	0192.7	025.3	048.1	005.3000	0099.0	089.9	38.54
187.0	001.0000	0193.1	025.3	047.9	005.3000	0099.0	089.6	38.62
188.0	001.0000	0192.9	025.3	047.7	005.3000	0098.9	089.3	38.69
189.0	001.0000	0193.0	025.3	047.5	005.3000	0098.8	089.0	38.77
190.0	001.0000	0193.1	025.3	047.3	005.3000	0098.7	088.7	38.84
191.0	001.0000	0193.6	025.3	047.0	005.3000	0098.7	088.4	38.91
192.0	001.0000	0194.1	025.3	046.8	005.3000	0098.6	088.2	38.99
193.0	001.0000	0194.7	025.4	046.6	005.3000	0098.6	087.9	39.06

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
194.0	001.0000	0195.3	025.4	046.4	005.3000	0098.6	087.6	39.14
195.0	001.0000	0197.0	025.5	046.2	005.3000	0098.5	087.3	39.22
196.0	001.0000	0199.2	025.6	046.0	005.3000	0098.5	086.9	39.31
197.0	001.0000	0199.5	025.7	045.7	005.3000	0098.5	086.7	39.38
198.0	001.0000	0200.0	025.7	045.5	005.3000	0098.4	086.5	39.44
199.0	001.0000	0200.4	025.7	045.2	005.3000	0098.3	086.2	39.50
200.0	001.0000	0200.5	025.7	044.9	005.3000	0098.2	086.0	39.55
201.0	001.0000	0200.1	025.7	044.7	005.3000	0098.1	085.9	39.59
202.0	001.0000	0200.1	025.7	044.4	005.3000	0098.0	085.7	39.63
203.0	001.0000	0202.0	025.8	044.1	005.3000	0097.8	085.4	39.70
204.0	001.0000	0203.9	025.9	043.9	005.3000	0097.8	085.1	39.77
205.0	001.0000	0204.2	025.9	043.6	005.3000	0097.6	085.0	39.81
206.0	001.0000	0204.6	026.0	043.3	005.3000	0097.4	084.8	39.85
207.0	001.0000	0204.7	026.0	043.0	005.3000	0097.3	084.7	39.88
208.0	001.0000	0203.4	025.9	042.7	005.3000	0097.2	084.6	39.89
209.0	001.0000	0200.6	025.7	042.4	005.3000	0097.2	084.7	39.88
210.0	001.0000	0198.8	025.6	042.1	005.3000	0097.0	084.7	39.87
211.0	001.0000	0197.6	025.5	041.8	005.3000	0096.8	084.7	39.87
212.0	001.0000	0196.6	025.5	041.5	005.3000	0096.6	084.6	39.86
213.0	001.0000	0195.9	025.4	041.2	005.3000	0096.4	084.6	39.86
214.0	001.0000	0194.3	025.3	040.9	005.3000	0096.2	084.6	39.84
215.0	001.0000	0192.4	025.2	040.6	005.3000	0096.0	084.7	39.82
216.0	001.0000	0189.3	025.1	040.3	005.3000	0095.8	084.8	39.77
217.0	001.0000	0182.9	024.7	040.0	005.3000	0095.6	085.2	39.67
218.0	001.0000	0173.7	024.1	039.7	005.3000	0095.5	085.7	39.52
219.0	001.0000	0162.6	023.4	039.4	005.3000	0095.3	086.4	39.32
220.0	001.0000	0150.5	022.6	039.1	005.3000	0095.2	087.2	39.09
221.0	001.0000	0131.3	021.3	038.9	005.3000	0095.0	088.6	38.71
222.0	001.0000	0114.2	019.9	038.7	005.3000	0094.8	089.9	38.35
223.0	001.0000	0097.5	018.3	038.5	005.3000	0094.8	091.5	37.92
224.0	001.0000	0079.2	016.3	038.4	005.3000	0094.7	093.6	37.39
225.0	001.0000	0065.9	014.8	038.3	005.3000	0094.7	095.1	37.00
226.0	001.0000	0059.5	014.1	038.2	005.3000	0094.7	095.8	36.83
227.0	001.0000	0051.8	013.2	038.1	005.3000	0094.6	096.7	36.61
228.0	001.0000	0042.6	012.0	038.1	005.3000	0094.6	098.0	36.31
229.0	001.0000	0033.6	010.7	038.1	005.3000	0094.6	099.3	36.01
230.0	001.0000	0025.5	010.2	038.1	005.3000	0094.6	099.8	35.88
231.0	001.0000	0019.9	010.2	038.0	005.3000	0094.6	099.8	35.87
232.0	001.0000	0016.4	010.2	037.9	005.3000	0094.5	099.9	35.86
233.0	001.0000	0015.7	010.2	037.8	005.3000	0094.5	099.9	35.85
234.0	001.0000	0013.8	010.2	037.7	005.3000	0094.4	100.0	35.84
235.0	001.0000	0011.4	010.2	037.6	005.3000	0094.4	100.0	35.83
236.0	001.0000	0008.3	010.2	037.5	005.3000	0094.4	100.1	35.81
237.0	001.0000	0006.3	010.2	037.4	005.3000	0094.3	100.1	35.80
238.0	001.0000	0005.4	010.2	037.3	005.3000	0094.3	100.2	35.78
239.0	001.0000	0004.8	010.2	037.2	005.3000	0094.2	100.2	35.77
240.0	001.0000	0003.6	010.2	037.1	005.3000	0094.2	100.3	35.75
241.0	001.0000	0002.8	010.2	037.0	005.3000	0094.1	100.4	35.73
242.0	001.0000	0002.1	010.2	036.9	005.3000	0094.0	100.4	35.71
243.0	001.0000	0000.8	010.2	036.8	005.3000	0094.0	100.5	35.69
244.0	001.0000	-0000.5	010.2	036.8	005.3000	0093.9	100.6	35.68

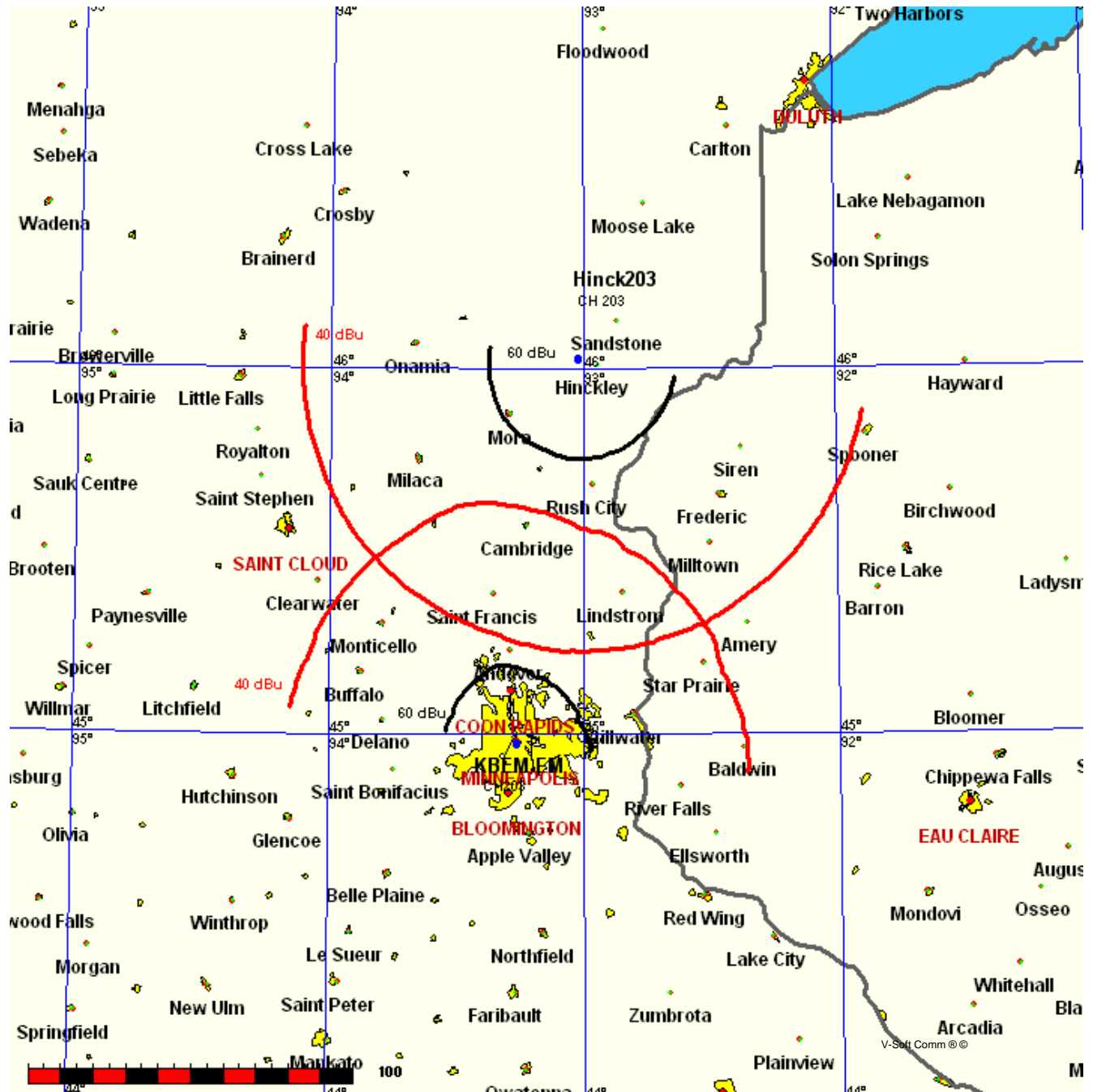
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
245.0	001.0000	-0001.4	010.2	036.7	005.3000	0093.9	100.7	35.66
246.0	001.0000	-0002.2	010.2	036.6	005.3000	0093.8	100.8	35.63
247.0	001.0000	-0002.6	010.2	036.5	005.3000	0093.8	100.9	35.61
248.0	001.0000	-0002.4	010.2	036.4	005.3000	0093.7	100.9	35.59
249.0	001.0000	-0002.1	010.2	036.3	005.3000	0093.7	101.0	35.57
250.0	001.0000	-0001.8	010.2	036.2	005.3000	0093.7	101.1	35.55
251.0	001.0000	-0001.7	010.2	036.1	005.3000	0093.6	101.2	35.52
252.0	001.0000	-0001.6	010.2	036.1	005.3000	0093.6	101.3	35.50
253.0	001.0000	-0001.3	010.2	036.0	005.3000	0093.5	101.4	35.48
254.0	001.0000	-0001.4	010.2	035.9	005.3000	0093.5	101.5	35.45
255.0	001.0000	-0002.4	010.2	035.8	005.3000	0093.5	101.6	35.43
256.0	001.0000	-0003.8	010.2	035.7	005.3000	0093.4	101.8	35.40
257.0	001.0000	-0005.2	010.2	035.7	005.3000	0093.4	101.9	35.38
258.0	001.0000	-0006.3	010.2	035.6	005.3000	0093.4	102.0	35.35
259.0	001.0000	-0007.0	010.2	035.5	005.3000	0093.4	102.1	35.32
260.0	001.0000	-0008.7	010.2	035.5	005.3000	0093.4	102.2	35.30
261.0	001.0000	-0011.4	010.2	035.4	005.3000	0093.3	102.4	35.27
262.0	001.0000	-0012.5	010.2	035.3	005.3000	0093.3	102.5	35.24
263.0	001.0000	-0011.8	010.2	035.2	005.3000	0093.3	102.6	35.21
264.0	001.0000	-0011.8	010.2	035.2	005.3000	0093.2	102.7	35.18
265.0	001.0000	-0011.5	010.2	035.1	005.3000	0093.2	102.9	35.15
266.0	001.0000	-0011.3	010.2	035.0	005.3000	0093.2	103.0	35.12
267.0	001.0000	-0011.3	010.2	035.0	005.3000	0093.2	103.2	35.09
268.0	001.0000	-0012.0	010.2	034.9	005.3000	0093.1	103.3	35.06
269.0	001.0000	-0012.7	010.2	034.9	005.3000	0093.1	103.4	35.03
270.0	001.0000	-0013.3	010.2	034.8	005.3000	0093.0	103.6	35.00
271.0	001.0000	-0014.2	010.2	034.8	005.3000	0093.0	103.7	34.97
272.0	001.0000	-0015.3	010.2	034.7	005.3000	0093.0	103.9	34.93
273.0	001.0000	-0016.8	010.2	034.6	005.3000	0092.9	104.0	34.90
274.0	001.0000	-0018.8	010.2	034.6	005.3000	0092.9	104.2	34.87
275.0	001.0000	-0020.6	010.2	034.5	005.3000	0092.8	104.3	34.83
276.0	001.0000	-0021.9	010.2	034.5	005.3000	0092.8	104.5	34.80
277.0	001.0000	-0023.4	010.2	034.4	005.3000	0092.7	104.6	34.77
278.0	001.0000	-0024.4	010.2	034.4	005.3000	0092.7	104.8	34.73
279.0	001.0000	-0025.4	010.2	034.4	005.3000	0092.7	104.9	34.70
280.0	001.0000	-0027.3	010.2	034.3	005.3000	0092.6	105.1	34.66

Minnesota Public Radio
Hinckley 203 v KBEM-FM

FMCommander Single Allocation Study
10-09-2007

Hinck203 CH 203 A
5.3 kW 432.2 M COR
Prot. = 60 dBu
Intef. = 40 dBu

KBEM-FM CH 203 A BLED813
2.15 kW, 371 M COR
Prot. = 60 dBu
Intef. = 40 dBu



10-09-2007

USGS 03 SEC Terrain Data

FMOver Analysis

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Protected
 60 dBu

KBEM-FM BLED813
 Channel = 203A
 Max ERP = 2.15 kW
 RCAMSL = 371 M
 N. Lat. 44 58 38.0
 W. Lng. 93 15 55.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
129.0	005.3000	0125.1	030.4	023.3	002.1500	0091.0	106.5	30.40
130.0	005.3000	0125.3	030.4	023.3	002.1500	0091.0	106.0	30.50
131.0	005.3000	0125.5	030.4	023.2	002.1500	0090.9	105.5	30.61
132.0	005.3000	0125.6	030.4	023.1	002.1500	0090.9	105.0	30.71
133.0	005.3000	0125.5	030.4	023.0	002.1500	0090.9	104.5	30.81
134.0	005.3000	0125.4	030.4	022.9	002.1500	0090.8	104.0	30.91
135.0	005.3000	0125.3	030.4	022.8	002.1500	0090.8	103.5	31.01
136.0	005.3000	0125.2	030.4	022.7	002.1500	0090.7	103.0	31.11
137.0	005.3000	0125.1	030.4	022.6	002.1500	0090.6	102.5	31.21
138.0	005.3000	0125.2	030.4	022.4	002.1500	0090.5	102.0	31.31
139.0	005.3000	0125.1	030.4	022.3	002.1500	0090.4	101.6	31.41
140.0	005.3000	0124.9	030.3	022.2	002.1500	0090.3	101.1	31.51
141.0	005.3000	0124.7	030.3	022.0	002.1500	0090.3	100.7	31.61
142.0	005.3000	0124.5	030.3	021.9	002.1500	0090.2	100.2	31.70
143.0	005.3000	0124.4	030.3	021.7	002.1500	0090.2	099.8	31.80
144.0	005.3000	0124.4	030.3	021.5	002.1500	0090.1	099.3	31.90
145.0	005.3000	0124.7	030.3	021.4	002.1500	0090.0	098.8	32.00
146.0	005.3000	0125.0	030.4	021.2	002.1500	0089.8	098.4	32.10
147.0	005.3000	0125.3	030.4	021.1	002.1500	0089.6	097.9	32.19
148.0	005.3000	0125.6	030.4	020.9	002.1500	0089.3	097.5	32.29
149.0	005.3000	0125.9	030.5	020.7	002.1500	0089.0	097.0	32.38
150.0	005.3000	0126.1	030.5	020.6	002.1500	0088.7	096.6	32.46
151.0	005.3000	0126.4	030.5	020.4	002.1500	0088.4	096.2	32.55
152.0	005.3000	0126.8	030.5	020.2	002.1500	0088.0	095.8	32.64
153.0	005.3000	0127.4	030.6	020.0	002.1500	0087.8	095.3	32.74
154.0	005.3000	0127.6	030.6	019.8	002.1500	0087.6	094.9	32.83
155.0	005.3000	0127.7	030.6	019.6	002.1500	0087.5	094.5	32.92
156.0	005.3000	0127.6	030.6	019.3	002.1500	0087.3	094.2	33.00
157.0	005.3000	0127.4	030.6	019.1	002.1500	0087.2	093.8	33.08
158.0	005.3000	0127.1	030.6	018.8	002.1500	0087.0	093.5	33.15
159.0	005.3000	0126.8	030.5	018.6	002.1500	0086.9	093.2	33.23
160.0	005.3000	0126.3	030.5	018.3	002.1500	0086.8	092.9	33.30
161.0	005.3000	0126.1	030.5	018.0	002.1500	0086.7	092.6	33.37
162.0	005.3000	0125.9	030.5	017.8	002.1500	0086.6	092.3	33.44
163.0	005.3000	0126.0	030.5	017.5	002.1500	0086.5	091.9	33.52
164.0	005.3000	0126.7	030.5	017.3	002.1500	0086.5	091.6	33.61
165.0	005.3000	0127.7	030.6	017.0	002.1500	0086.6	091.2	33.71

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
166.0	005.3000	0128.0	030.7	016.7	002.1500	0086.7	090.9	33.80
167.0	005.3000	0127.9	030.7	016.5	002.1500	0087.0	090.7	33.88
168.0	005.3000	0127.7	030.6	016.2	002.1500	0087.2	090.4	33.95
169.0	005.3000	0127.5	030.6	015.9	002.1500	0087.6	090.2	34.02
170.0	005.3000	0127.4	030.6	015.5	002.1500	0087.9	090.0	34.10
171.0	005.3000	0127.1	030.6	015.2	002.1500	0088.4	089.8	34.17
172.0	005.3000	0126.5	030.5	014.9	002.1500	0088.9	089.6	34.24
173.0	005.3000	0126.3	030.5	014.6	002.1500	0089.2	089.4	34.30
174.0	005.3000	0126.1	030.5	014.3	002.1500	0089.5	089.2	34.36
175.0	005.3000	0126.2	030.5	014.0	002.1500	0089.9	089.1	34.43
176.0	005.3000	0126.1	030.5	013.6	002.1500	0090.3	088.9	34.49
177.0	005.3000	0126.1	030.5	013.3	002.1500	0090.6	088.7	34.54
178.0	005.3000	0126.3	030.5	013.0	002.1500	0090.9	088.6	34.60
179.0	005.3000	0126.2	030.5	012.7	002.1500	0091.2	088.5	34.65
180.0	005.3000	0125.9	030.5	012.3	002.1500	0091.7	088.4	34.70
181.0	005.3000	0125.9	030.4	012.0	002.1500	0092.1	088.2	34.74
182.0	005.3000	0126.4	030.5	011.6	002.1500	0092.5	088.1	34.80
183.0	005.3000	0126.9	030.6	011.3	002.1500	0092.8	088.0	34.85
184.0	005.3000	0126.6	030.5	011.0	002.1500	0093.3	087.9	34.89
185.0	005.3000	0126.0	030.5	010.6	002.1500	0093.9	087.9	34.92
186.0	005.3000	0125.7	030.4	010.3	002.1500	0094.7	087.9	34.95
187.0	005.3000	0125.2	030.4	009.9	002.1500	0095.4	087.9	34.98
188.0	005.3000	0124.3	030.3	009.6	002.1500	0096.1	088.0	35.00
189.0	005.3000	0123.3	030.2	009.3	002.1500	0096.6	088.1	35.00
190.0	005.3000	0122.3	030.1	008.9	002.1500	0097.0	088.2	34.99
191.0	005.3000	0121.5	030.0	008.6	002.1500	0097.4	088.3	34.98
192.0	005.3000	0121.1	030.0	008.2	002.1500	0097.8	088.4	34.98
193.0	005.3000	0120.8	029.9	007.9	002.1500	0098.1	088.4	34.98
194.0	005.3000	0119.8	029.8	007.6	002.1500	0098.3	088.6	34.94
195.0	005.3000	0118.6	029.7	007.3	002.1500	0098.4	088.8	34.90
196.0	005.3000	0117.6	029.6	006.9	002.1500	0098.6	088.9	34.86
197.0	005.3000	0117.1	029.5	006.6	002.1500	0098.6	089.1	34.82
198.0	005.3000	0116.5	029.5	006.3	002.1500	0098.7	089.2	34.78
199.0	005.3000	0116.3	029.5	006.0	002.1500	0098.8	089.4	34.75
200.0	005.3000	0116.1	029.4	005.7	002.1500	0098.9	089.5	34.71
201.0	005.3000	0115.9	029.4	005.4	002.1500	0099.1	089.7	34.68
202.0	005.3000	0115.7	029.4	005.1	002.1500	0099.2	089.8	34.64
203.0	005.3000	0115.7	029.4	004.8	002.1500	0099.3	090.0	34.61
204.0	005.3000	0115.6	029.4	004.5	002.1500	0099.5	090.2	34.57
205.0	005.3000	0115.6	029.4	004.2	002.1500	0099.8	090.3	34.53
206.0	005.3000	0115.6	029.4	003.9	002.1500	0100.1	090.5	34.50
207.0	005.3000	0115.7	029.4	003.6	002.1500	0100.5	090.7	34.46
208.0	005.3000	0115.6	029.4	003.3	002.1500	0100.9	090.9	34.42
209.0	005.3000	0115.5	029.4	003.0	002.1500	0101.2	091.2	34.38
210.0	005.3000	0115.2	029.3	002.7	002.1500	0101.6	091.4	34.32
211.0	005.3000	0115.0	029.3	002.4	002.1500	0102.0	091.7	34.27
212.0	005.3000	0114.7	029.3	002.2	002.1500	0102.4	092.0	34.22
213.0	005.3000	0114.6	029.3	001.9	002.1500	0102.9	092.2	34.17
214.0	005.3000	0114.5	029.3	001.6	002.1500	0103.2	092.5	34.11
215.0	005.3000	0114.5	029.3	001.4	002.1500	0103.6	092.8	34.05
216.0	005.3000	0114.4	029.3	001.1	002.1500	0103.9	093.1	33.99

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
217.0	005.3000	0114.2	029.2	000.9	002.1500	0104.2	093.4	33.92
218.0	005.3000	0114.0	029.2	000.6	002.1500	0104.4	093.7	33.84
219.0	005.3000	0113.8	029.2	000.4	002.1500	0104.6	094.1	33.77
220.0	005.3000	0113.6	029.2	000.2	002.1500	0104.9	094.4	33.69
221.0	005.3000	0113.5	029.2	359.9	002.1500	0105.2	094.7	33.62
222.0	005.3000	0113.3	029.1	359.7	002.1500	0105.4	095.1	33.53
223.0	005.3000	0113.1	029.1	359.5	002.1500	0105.7	095.4	33.45
224.0	005.3000	0112.7	029.1	359.3	002.1500	0105.9	095.8	33.36
225.0	005.3000	0112.2	029.0	359.1	002.1500	0106.2	096.2	33.27
226.0	005.3000	0111.8	029.0	358.9	002.1500	0106.5	096.6	33.18
227.0	005.3000	0111.6	028.9	358.7	002.1500	0106.8	097.0	33.10
228.0	005.3000	0111.4	028.9	358.6	002.1500	0107.0	097.4	33.01
229.0	005.3000	0111.3	028.9	358.4	002.1500	0107.1	097.8	32.92
230.0	005.3000	0111.5	028.9	358.2	002.1500	0107.2	098.2	32.83
231.0	005.3000	0111.8	029.0	358.0	002.1500	0107.3	098.6	32.74
232.0	005.3000	0112.0	029.0	357.8	002.1500	0107.4	099.0	32.65
233.0	005.3000	0111.8	029.0	357.7	002.1500	0107.5	099.4	32.55
234.0	005.3000	0111.2	028.9	357.5	002.1500	0107.6	099.8	32.45
235.0	005.3000	0110.3	028.8	357.4	002.1500	0107.7	100.3	32.34
236.0	005.3000	0109.5	028.7	357.3	002.1500	0107.8	100.8	32.23
237.0	005.3000	0108.7	028.6	357.2	002.1500	0107.9	101.3	32.13
238.0	005.3000	0108.4	028.6	357.1	002.1500	0108.0	101.7	32.03
239.0	005.3000	0107.8	028.5	357.0	002.1500	0108.1	102.2	31.93
240.0	005.3000	0107.2	028.4	356.9	002.1500	0108.2	102.7	31.82
241.0	005.3000	0106.8	028.4	356.8	002.1500	0108.3	103.1	31.72
242.0	005.3000	0106.1	028.3	356.7	002.1500	0108.4	103.6	31.62
243.0	005.3000	0105.6	028.2	356.7	002.1500	0108.5	104.1	31.52
244.0	005.3000	0105.2	028.2	356.6	002.1500	0108.6	104.6	31.42
245.0	005.3000	0104.8	028.1	356.5	002.1500	0108.7	105.0	31.32
246.0	005.3000	0104.5	028.1	356.4	002.1500	0108.8	105.5	31.22
247.0	005.3000	0104.1	028.0	356.4	002.1500	0108.9	106.0	31.13
248.0	005.3000	0103.4	028.0	356.3	002.1500	0109.0	106.5	31.03
249.0	005.3000	0102.7	027.9	356.3	002.1500	0109.0	107.0	30.92

10-09-2007 USGS 03 SEC Terrain Data

KBEM-FM BLED813
 Channel = 203A
 Max ERP = 2.15 kW
 RCAMSL = 371 M
 N. Lat. 44 58 38.0
 W. Lng. 93 15 55.0
 Protected
 60 dBu

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
309.0	002.1500	0096.4	022.0	199.4	005.3000	0116.2	109.0	34.67
310.0	002.1500	0096.6	022.1	199.4	005.3000	0116.2	108.6	34.74
311.0	002.1500	0096.6	022.1	199.3	005.3000	0116.2	108.3	34.82
312.0	002.1500	0096.6	022.1	199.2	005.3000	0116.2	107.9	34.89
313.0	002.1500	0097.0	022.1	199.2	005.3000	0116.2	107.6	34.97
314.0	002.1500	0097.3	022.1	199.1	005.3000	0116.3	107.2	35.04
315.0	002.1500	0097.6	022.2	199.0	005.3000	0116.3	106.8	35.12
316.0	002.1500	0097.7	022.2	198.9	005.3000	0116.3	106.5	35.20
317.0	002.1500	0097.9	022.2	198.8	005.3000	0116.3	106.1	35.27
318.0	002.1500	0098.3	022.3	198.8	005.3000	0116.3	105.8	35.35
319.0	002.1500	0098.8	022.3	198.7	005.3000	0116.3	105.4	35.43
320.0	002.1500	0099.3	022.4	198.6	005.3000	0116.3	105.0	35.51
321.0	002.1500	0099.7	022.4	198.5	005.3000	0116.4	104.7	35.59
322.0	002.1500	0100.1	022.4	198.4	005.3000	0116.4	104.3	35.67
323.0	002.1500	0100.4	022.5	198.3	005.3000	0116.4	104.0	35.74
324.0	002.1500	0100.5	022.5	198.2	005.3000	0116.5	103.7	35.82
325.0	002.1500	0100.7	022.5	198.1	005.3000	0116.5	103.3	35.89
326.0	002.1500	0100.8	022.5	197.9	005.3000	0116.6	103.0	35.97
327.0	002.1500	0101.0	022.6	197.8	005.3000	0116.6	102.7	36.04
328.0	002.1500	0101.2	022.6	197.7	005.3000	0116.7	102.4	36.12
329.0	002.1500	0101.6	022.6	197.5	005.3000	0116.8	102.0	36.20
330.0	002.1500	0102.2	022.7	197.4	005.3000	0116.8	101.7	36.28
331.0	002.1500	0102.9	022.8	197.3	005.3000	0116.9	101.4	36.36
332.0	002.1500	0103.4	022.8	197.2	005.3000	0117.0	101.0	36.44
333.0	002.1500	0103.9	022.9	197.0	005.3000	0117.1	100.7	36.52
334.0	002.1500	0104.6	022.9	196.9	005.3000	0117.1	100.4	36.60
335.0	002.1500	0105.7	023.0	196.7	005.3000	0117.2	100.1	36.69
336.0	002.1500	0107.0	023.2	196.6	005.3000	0117.3	099.7	36.78
337.0	002.1500	0108.4	023.3	196.5	005.3000	0117.3	099.3	36.87
338.0	002.1500	0109.6	023.4	196.4	005.3000	0117.4	099.0	36.96
339.0	002.1500	0110.9	023.6	196.2	005.3000	0117.5	098.6	37.05
340.0	002.1500	0112.1	023.7	196.1	005.3000	0117.6	098.3	37.14
341.0	002.1500	0112.9	023.8	195.9	005.3000	0117.7	098.0	37.21
342.0	002.1500	0113.5	023.8	195.7	005.3000	0117.8	097.7	37.29

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
343.0	002.1500	0114.2	023.9	195.5	005.3000	0118.0	097.4	37.37
344.0	002.1500	0115.4	024.0	195.3	005.3000	0118.1	097.1	37.45
345.0	002.1500	0116.9	024.1	195.2	005.3000	0118.4	096.8	37.55
346.0	002.1500	0117.7	024.2	195.0	005.3000	0118.7	096.5	37.63
347.0	002.1500	0118.0	024.2	194.7	005.3000	0119.0	096.3	37.70
348.0	002.1500	0117.3	024.2	194.5	005.3000	0119.3	096.1	37.74
349.0	002.1500	0116.2	024.1	194.3	005.3000	0119.6	096.0	37.78
350.0	002.1500	0115.5	024.0	194.0	005.3000	0119.8	095.9	37.82
351.0	002.1500	0115.5	024.0	193.8	005.3000	0120.1	095.8	37.88
352.0	002.1500	0114.9	024.0	193.5	005.3000	0120.3	095.7	37.92
353.0	002.1500	0114.4	023.9	193.3	005.3000	0120.6	095.5	37.95
354.0	002.1500	0113.4	023.8	193.0	005.3000	0120.8	095.5	37.98
355.0	002.1500	0111.9	023.7	192.8	005.3000	0120.9	095.5	37.98
356.0	002.1500	0109.5	023.4	192.5	005.3000	0121.0	095.6	37.96
357.0	002.1500	0108.1	023.3	192.2	005.3000	0121.0	095.6	37.95
358.0	002.1500	0107.3	023.2	192.0	005.3000	0121.1	095.6	37.96
359.0	002.1500	0106.4	023.1	191.7	005.3000	0121.2	095.6	37.96
000.0	002.1500	0105.2	023.0	191.5	005.3000	0121.2	095.6	37.95
001.0	002.1500	0104.0	022.9	191.2	005.3000	0121.4	095.7	37.95
002.0	002.1500	0102.7	022.7	191.0	005.3000	0121.5	095.8	37.94
003.0	002.1500	0101.2	022.6	190.7	005.3000	0121.8	095.9	37.92
004.0	002.1500	0099.9	022.4	190.5	005.3000	0122.0	095.9	37.91
005.0	002.1500	0099.2	022.4	190.3	005.3000	0122.2	096.0	37.90
006.0	002.1500	0098.8	022.3	190.0	005.3000	0122.3	096.0	37.90
007.0	002.1500	0098.5	022.3	189.8	005.3000	0122.4	096.0	37.91
008.0	002.1500	0098.0	022.2	189.5	005.3000	0122.6	096.0	37.90
009.0	002.1500	0096.9	022.1	189.3	005.3000	0122.9	096.2	37.88
010.0	002.1500	0095.3	021.9	189.1	005.3000	0123.1	096.4	37.84
011.0	002.1500	0093.3	021.7	188.9	005.3000	0123.4	096.6	37.79
012.0	002.1500	0092.1	021.5	188.6	005.3000	0123.7	096.8	37.76
013.0	002.1500	0090.8	021.4	188.4	005.3000	0123.9	096.9	37.73
014.0	002.1500	0089.8	021.3	188.2	005.3000	0124.1	097.1	37.69
015.0	002.1500	0088.8	021.1	188.0	005.3000	0124.3	097.3	37.66
016.0	002.1500	0087.4	021.0	187.8	005.3000	0124.5	097.5	37.61
017.0	002.1500	0086.6	020.9	187.6	005.3000	0124.7	097.6	37.58
018.0	002.1500	0086.7	020.9	187.4	005.3000	0124.9	097.7	37.57
019.0	002.1500	0087.1	020.9	187.2	005.3000	0125.0	097.7	37.57
020.0	002.1500	0087.8	021.0	187.0	005.3000	0125.2	097.7	37.58
021.0	002.1500	0089.5	021.2	186.7	005.3000	0125.3	097.6	37.61
022.0	002.1500	0090.3	021.3	186.5	005.3000	0125.4	097.6	37.62
023.0	002.1500	0090.9	021.4	186.3	005.3000	0125.5	097.6	37.61
024.0	002.1500	0091.2	021.4	186.0	005.3000	0125.6	097.7	37.60
025.0	002.1500	0091.5	021.5	185.8	005.3000	0125.7	097.8	37.58
026.0	002.1500	0091.2	021.4	185.6	005.3000	0125.8	097.9	37.54
027.0	002.1500	0090.2	021.3	185.5	005.3000	0125.9	098.2	37.48
028.0	002.1500	0088.7	021.1	185.3	005.3000	0125.9	098.5	37.41
029.0	002.1500	0086.3	020.8	185.2	005.3000	0126.0	098.9	37.30
030.0	002.1500	0083.3	020.5	185.1	005.3000	0126.0	099.4	37.18
031.0	002.1500	0084.4	020.6	184.8	005.3000	0126.1	099.4	37.18
032.0	002.1500	0086.3	020.8	184.6	005.3000	0126.2	099.4	37.20
033.0	002.1500	0086.5	020.9	184.4	005.3000	0126.3	099.5	37.16

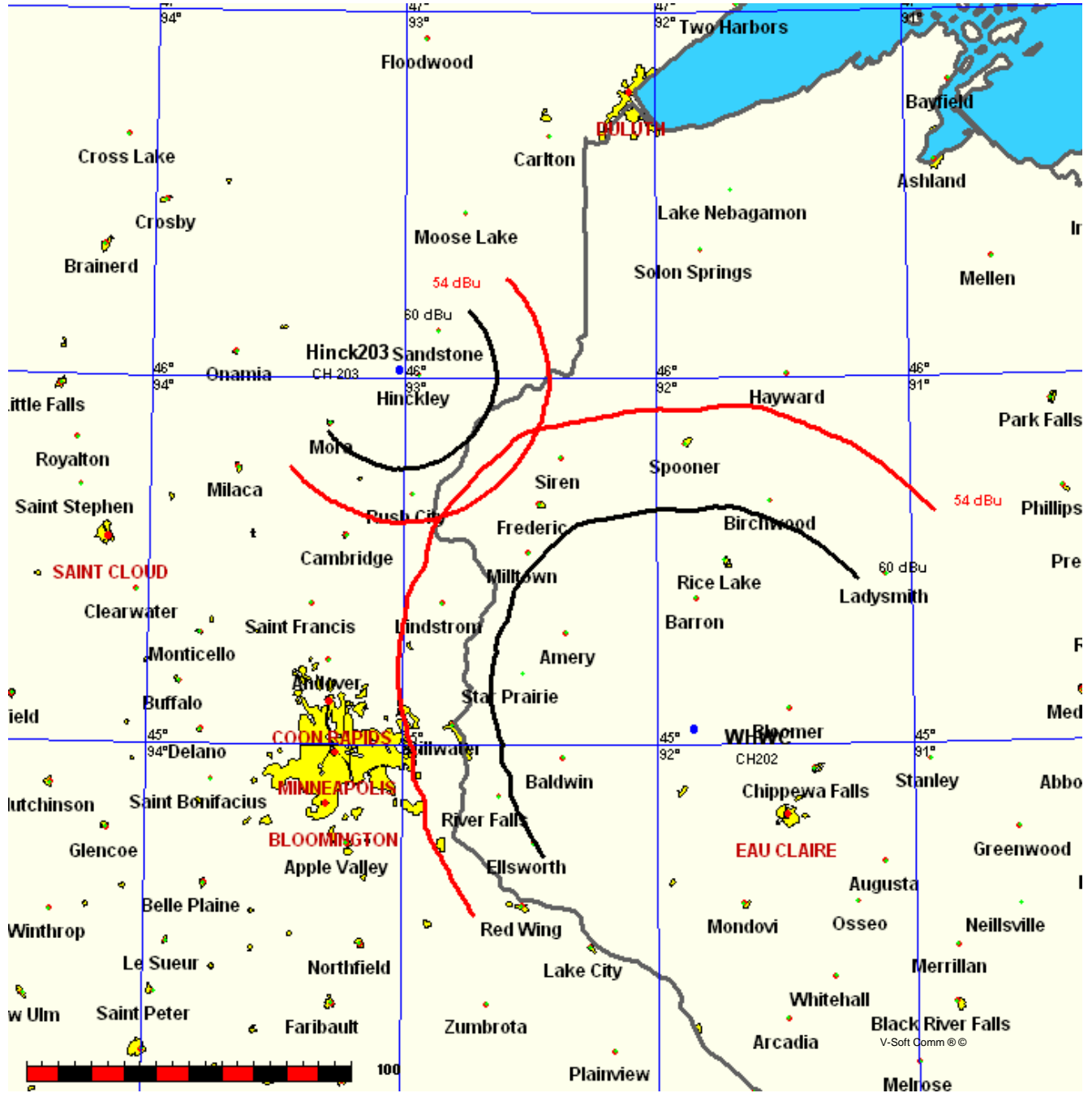
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
034.0	002.1500	0086.6	020.9	184.2	005.3000	0126.4	099.7	37.12
035.0	002.1500	0087.2	021.0	184.0	005.3000	0126.6	099.8	37.10
036.0	002.1500	0087.6	021.0	183.8	005.3000	0126.7	100.0	37.07
037.0	002.1500	0087.7	021.0	183.6	005.3000	0126.8	100.2	37.02
038.0	002.1500	0087.6	021.0	183.5	005.3000	0126.9	100.4	36.97
039.0	002.1500	0087.3	021.0	183.3	005.3000	0126.9	100.6	36.92
040.0	002.1500	0087.0	020.9	183.1	005.3000	0126.9	100.9	36.86
041.0	002.1500	0086.3	020.8	183.0	005.3000	0126.9	101.1	36.79
042.0	002.1500	0085.9	020.8	182.9	005.3000	0126.9	101.4	36.72
043.0	002.1500	0085.6	020.8	182.7	005.3000	0126.8	101.7	36.66
044.0	002.1500	0084.6	020.6	182.6	005.3000	0126.8	102.0	36.58
045.0	002.1500	0083.8	020.5	182.5	005.3000	0126.8	102.3	36.50
046.0	002.1500	0083.9	020.5	182.4	005.3000	0126.7	102.6	36.44
047.0	002.1500	0084.5	020.6	182.2	005.3000	0126.5	102.7	36.39
048.0	002.1500	0085.2	020.7	182.0	005.3000	0126.4	102.9	36.34
049.0	002.1500	0085.2	020.7	181.9	005.3000	0126.3	103.2	36.27
050.0	002.1500	0085.5	020.7	181.7	005.3000	0126.2	103.5	36.21
051.0	002.1500	0085.8	020.8	181.6	005.3000	0126.1	103.7	36.15
052.0	002.1500	0085.8	020.8	181.4	005.3000	0126.0	104.0	36.09
053.0	002.1500	0085.9	020.8	181.3	005.3000	0125.9	104.3	36.02
054.0	002.1500	0085.8	020.8	181.2	005.3000	0125.9	104.5	35.95
055.0	002.1500	0086.0	020.8	181.1	005.3000	0125.9	104.8	35.89
056.0	002.1500	0086.5	020.9	180.9	005.3000	0125.9	105.1	35.83
057.0	002.1500	0086.5	020.9	180.8	005.3000	0125.9	105.4	35.77
058.0	002.1500	0086.7	020.9	180.7	005.3000	0125.9	105.7	35.70
059.0	002.1500	0087.2	020.9	180.6	005.3000	0125.9	106.0	35.64
060.0	002.1500	0088.0	021.0	180.4	005.3000	0125.9	106.2	35.58
061.0	002.1500	0088.4	021.1	180.3	005.3000	0125.9	106.5	35.52
062.0	002.1500	0088.6	021.1	180.2	005.3000	0125.9	106.8	35.45
063.0	002.1500	0088.0	021.0	180.1	005.3000	0125.9	107.2	35.37
064.0	002.1500	0086.7	020.9	180.1	005.3000	0125.9	107.6	35.29
065.0	002.1500	0085.3	020.7	180.1	005.3000	0125.9	108.0	35.20
066.0	002.1500	0084.3	020.6	180.1	005.3000	0125.9	108.4	35.12
067.0	002.1500	0083.2	020.5	180.1	005.3000	0125.9	108.7	35.05
068.0	002.1500	0082.6	020.4	180.0	005.3000	0125.9	109.1	34.97
069.0	002.1500	0082.2	020.3	180.0	005.3000	0125.9	109.5	34.90

Minnesota Public Radio
Hinckley 203 v WHWC

FMCommander Single Allocation Study
10-09-2007

Hinck203 CH 203 A
5.3 kW 432.2 M COR
Prot. = 60 dBu
Intef. = 54 dBu

WHWC CH 202 C1 BLED19980904KB
71.0 kW, 625 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu



10-09-2007

USGS 03 SEC Terrain Data

FMOver Analysis

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Protected
 60 dBu

WHWC BLED19980904KB
 Channel = 202C1
 Max ERP = 71 kW
 RCAMSL = 625 M
 N. Lat. 45 02 49.0
 W. Lng. 91 51 47.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
080.0	005.3000	0112.4	029.0	331.9	068.9097	0326.0	129.8	47.14
081.0	005.3000	0112.9	029.1	331.8	068.9598	0326.2	129.3	47.26
082.0	005.3000	0114.4	029.3	331.8	068.9738	0326.2	128.7	47.38
083.0	005.3000	0115.7	029.4	331.8	068.9985	0326.2	128.2	47.50
084.0	005.3000	0115.9	029.4	331.7	069.0863	0326.4	127.7	47.62
085.0	005.3000	0116.1	029.4	331.6	069.1809	0326.6	127.2	47.74
086.0	005.3000	0116.8	029.5	331.5	069.2574	0326.8	126.7	47.86
087.0	005.3000	0117.9	029.6	331.5	069.3160	0326.9	126.2	47.98
088.0	005.3000	0118.9	029.7	331.4	069.3882	0327.1	125.7	48.11
089.0	005.3000	0119.2	029.8	331.3	069.4996	0327.3	125.2	48.23
090.0	005.3000	0119.5	029.8	331.2	069.6141	0327.5	124.8	48.35
091.0	005.3000	0120.2	029.9	331.1	069.7179	0327.7	124.3	48.47
092.0	005.3000	0121.3	030.0	331.1	069.8099	0327.9	123.8	48.59
093.0	005.3000	0122.1	030.1	331.0	069.9191	0328.1	123.3	48.71
094.0	005.3000	0122.9	030.1	330.9	070.0363	0328.3	122.8	48.84
095.0	005.3000	0124.0	030.3	330.8	070.1445	0328.5	122.3	48.96
096.0	005.3000	0125.3	030.4	330.7	070.2499	0328.6	121.8	49.09
097.0	005.3000	0126.4	030.5	330.6	070.3748	0328.9	121.3	49.22
098.0	005.3000	0125.9	030.5	330.4	070.5691	0329.1	120.9	49.33
099.0	005.3000	0124.8	030.3	330.2	070.7921	0329.5	120.6	49.44
100.0	005.3000	0124.2	030.3	330.0	070.9988	0329.7	120.2	49.54
101.0	005.3000	0124.0	030.3	329.8	070.9249	0330.0	119.8	49.63
102.0	005.3000	0124.4	030.3	329.7	070.8595	0330.2	119.4	49.74
103.0	005.3000	0124.4	030.3	329.5	070.7850	0330.4	119.0	49.83
104.0	005.3000	0123.6	030.2	329.3	070.6959	0330.6	118.7	49.90
105.0	005.3000	0122.6	030.1	329.1	070.6040	0330.6	118.4	49.97
106.0	005.3000	0122.3	030.1	328.9	070.5212	0330.5	118.1	50.04
107.0	005.3000	0122.6	030.1	328.7	070.4448	0330.4	117.7	50.12
108.0	005.3000	0123.6	030.2	328.5	070.3753	0330.1	117.3	50.20
109.0	005.3000	0124.9	030.4	328.4	070.3078	0329.9	116.9	50.30
110.0	005.3000	0125.5	030.4	328.2	070.2283	0329.6	116.5	50.37
111.0	005.3000	0125.7	030.4	328.0	070.1425	0329.3	116.2	50.43
112.0	005.3000	0125.1	030.4	327.8	070.0459	0328.7	115.9	50.47
113.0	005.3000	0124.6	030.3	327.5	069.9478	0328.1	115.6	50.50
114.0	005.3000	0124.1	030.3	327.3	069.8499	0327.4	115.4	50.52
115.0	005.3000	0123.9	030.3	327.1	069.7543	0326.6	115.1	50.55
116.0	005.3000	0124.0	030.3	326.8	069.6600	0325.8	114.8	50.58

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
117.0	005.3000	0123.9	030.2	326.6	069.5623	0324.9	114.6	50.61
118.0	005.3000	0123.8	030.2	326.4	069.4641	0324.2	114.3	50.63
119.0	005.3000	0123.9	030.3	326.1	069.3661	0323.6	114.1	50.67
120.0	005.3000	0124.1	030.3	325.9	069.2672	0323.1	113.8	50.70
121.0	005.3000	0124.3	030.3	325.7	069.1676	0322.9	113.6	50.75
122.0	005.3000	0124.4	030.3	325.4	069.0652	0322.8	113.4	50.79
123.0	005.3000	0124.5	030.3	325.2	068.9622	0322.8	113.2	50.84
124.0	005.3000	0124.6	030.3	324.9	068.8583	0322.7	113.0	50.88
125.0	005.3000	0124.6	030.3	324.7	068.7526	0322.6	112.8	50.92
126.0	005.3000	0124.6	030.3	324.4	068.6460	0322.4	112.6	50.94
127.0	005.3000	0124.6	030.3	324.2	068.5388	0322.0	112.5	50.96
128.0	005.3000	0124.9	030.3	323.9	068.4321	0321.6	112.3	50.99
129.0	005.3000	0125.1	030.4	323.7	068.3243	0321.5	112.1	51.02
130.0	005.3000	0125.3	030.4	323.4	068.2155	0321.5	112.0	51.05
131.0	005.3000	0125.5	030.4	323.1	068.1056	0321.6	111.9	51.08
132.0	005.3000	0125.6	030.4	322.9	067.9950	0321.5	111.8	51.10
133.0	005.3000	0125.5	030.4	322.6	067.8833	0321.5	111.7	51.11
134.0	005.3000	0125.4	030.4	322.3	067.7711	0321.6	111.6	51.13
135.0	005.3000	0125.3	030.4	322.1	067.6587	0321.7	111.6	51.14
136.0	005.3000	0125.2	030.4	321.8	067.5462	0321.8	111.5	51.14
137.0	005.3000	0125.1	030.4	321.5	067.4337	0322.1	111.5	51.16
138.0	005.3000	0125.2	030.4	321.2	067.3213	0322.4	111.4	51.17
139.0	005.3000	0125.1	030.4	321.0	067.2087	0323.0	111.4	51.19
140.0	005.3000	0124.9	030.3	320.7	067.0962	0323.6	111.5	51.20
141.0	005.3000	0124.7	030.3	320.4	066.9841	0323.9	111.5	51.20
142.0	005.3000	0124.5	030.3	320.2	066.8721	0323.8	111.5	51.18
143.0	005.3000	0124.4	030.3	319.9	066.8039	0323.6	111.5	51.15
144.0	005.3000	0124.4	030.3	319.6	066.8039	0323.1	111.6	51.13
145.0	005.3000	0124.7	030.3	319.4	066.8039	0322.5	111.6	51.10
146.0	005.3000	0125.0	030.4	319.1	066.8039	0321.8	111.6	51.06
147.0	005.3000	0125.3	030.4	318.8	066.8039	0320.9	111.7	51.02
148.0	005.3000	0125.6	030.4	318.5	066.8039	0319.8	111.7	50.96
149.0	005.3000	0125.9	030.5	318.3	066.8039	0318.8	111.8	50.91
150.0	005.3000	0126.1	030.5	318.0	066.8039	0317.9	111.9	50.85
151.0	005.3000	0126.4	030.5	317.7	066.8039	0317.2	112.0	50.80
152.0	005.3000	0126.8	030.5	317.5	066.8039	0316.7	112.1	50.76
153.0	005.3000	0127.4	030.6	317.2	066.8039	0316.1	112.2	50.72
154.0	005.3000	0127.6	030.6	316.9	066.8039	0315.3	112.3	50.66
155.0	005.3000	0127.7	030.6	316.7	066.8039	0314.5	112.5	50.59
156.0	005.3000	0127.6	030.6	316.4	066.8039	0313.9	112.7	50.52
157.0	005.3000	0127.4	030.6	316.2	066.8039	0313.4	112.9	50.45
158.0	005.3000	0127.1	030.6	315.9	066.8039	0312.8	113.1	50.37
159.0	005.3000	0126.8	030.5	315.7	066.8039	0312.3	113.3	50.29
160.0	005.3000	0126.3	030.5	315.5	066.8039	0312.2	113.6	50.23
161.0	005.3000	0126.1	030.5	315.2	066.8039	0312.5	113.9	50.17
162.0	005.3000	0125.9	030.5	315.0	066.7995	0313.1	114.1	50.13
163.0	005.3000	0126.0	030.5	314.8	066.6046	0313.8	114.3	50.08
164.0	005.3000	0126.7	030.5	314.5	066.4004	0314.5	114.6	50.04
165.0	005.3000	0127.7	030.6	314.3	066.1918	0315.3	114.7	50.01
166.0	005.3000	0128.0	030.7	314.0	065.9997	0316.2	115.0	49.96
167.0	005.3000	0127.9	030.7	313.8	065.8207	0316.9	115.3	49.90

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
168.0	005.3000	0127.7	030.6	313.6	065.6462	0317.4	115.6	49.83
169.0	005.3000	0127.5	030.6	313.4	065.4769	0317.7	115.9	49.75
170.0	005.3000	0127.4	030.6	313.2	065.3085	0318.0	116.3	49.67
171.0	005.3000	0127.1	030.6	313.0	065.1500	0318.1	116.6	49.58
172.0	005.3000	0126.5	030.5	312.8	065.0018	0318.3	117.0	49.49
173.0	005.3000	0126.3	030.5	312.6	064.8464	0318.3	117.4	49.39
174.0	005.3000	0126.1	030.5	312.4	064.6951	0318.2	117.7	49.29
175.0	005.3000	0126.2	030.5	312.2	064.5411	0318.1	118.1	49.20
176.0	005.3000	0126.1	030.5	312.1	064.3937	0318.0	118.5	49.10
177.0	005.3000	0126.1	030.5	311.9	064.2484	0317.9	118.8	49.00
178.0	005.3000	0126.3	030.5	311.7	064.1019	0318.0	119.2	48.91
179.0	005.3000	0126.2	030.5	311.5	063.9669	0318.3	119.6	48.82
180.0	005.3000	0125.9	030.5	311.4	063.8400	0318.5	120.0	48.72
181.0	005.3000	0125.9	030.4	311.2	063.7106	0318.8	120.4	48.63
182.0	005.3000	0126.4	030.5	311.0	063.5690	0319.2	120.8	48.55
183.0	005.3000	0126.9	030.6	310.9	063.4295	0319.5	121.2	48.46
184.0	005.3000	0126.6	030.5	310.7	063.3197	0319.8	121.6	48.37
185.0	005.3000	0126.0	030.5	310.6	063.2224	0319.9	122.1	48.26
186.0	005.3000	0125.7	030.4	310.5	063.1223	0320.1	122.6	48.16
187.0	005.3000	0125.2	030.4	310.4	063.0303	0320.3	123.0	48.06
188.0	005.3000	0124.3	030.3	310.3	062.9534	0320.5	123.5	47.95
189.0	005.3000	0123.3	030.2	310.2	062.8883	0320.7	124.0	47.84
190.0	005.3000	0122.3	030.1	310.1	062.8239	0320.9	124.5	47.73
191.0	005.3000	0121.5	030.0	310.0	062.7572	0321.0	125.0	47.62
192.0	005.3000	0121.1	030.0	309.9	062.6684	0321.2	125.5	47.52
193.0	005.3000	0120.8	029.9	309.8	062.5668	0321.3	126.0	47.41
194.0	005.3000	0119.8	029.8	309.8	062.5037	0321.4	126.5	47.30
195.0	005.3000	0118.6	029.7	309.7	062.4552	0321.5	127.0	47.18
196.0	005.3000	0117.6	029.6	309.7	062.4056	0321.6	127.5	47.07
197.0	005.3000	0117.1	029.5	309.6	062.3408	0321.7	128.0	46.95
198.0	005.3000	0116.5	029.5	309.6	062.2782	0321.8	128.5	46.84
199.0	005.3000	0116.3	029.5	309.5	062.2086	0321.9	129.0	46.73
200.0	005.3000	0116.1	029.4	309.4	062.1396	0322.0	129.5	46.62

10-09-2007 USGS 03 SEC Terrain Data

WHWC BLED19980904KB
 Channel = 202C1
 Max ERP = 71 kW
 RCAMSL = 625 M
 N. Lat. 45 02 49.0
 W. Lng. 91 51 47.0
 Protected
 60 dBu

Hinck203
 Channel = 203A
 Max ERP = 5.3 kW
 RCAMSL = 432.2 M
 N. Lat. 46 01 39.2
 W. Lng. 93 01 20.3
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
261.0	024.2150	0319.0	059.6	164.9	005.3000	0127.6	122.5	32.54
262.0	023.3114	0323.3	059.5	164.8	005.3000	0127.5	121.5	32.72
263.0	022.4249	0326.1	059.4	164.7	005.3000	0127.4	120.5	32.90
264.0	021.5557	0327.2	059.1	164.4	005.3000	0127.2	119.5	33.06
265.0	020.7036	0327.8	058.7	164.2	005.3000	0126.9	118.5	33.23
266.0	021.0115	0331.0	059.1	164.3	005.3000	0127.0	117.5	33.42
267.0	021.3216	0333.7	059.4	164.3	005.3000	0127.1	116.4	33.62
268.0	021.6340	0336.3	059.7	164.4	005.3000	0127.1	115.3	33.82
269.0	021.9487	0338.3	060.0	164.4	005.3000	0127.1	114.2	34.02
270.0	022.2656	0338.9	060.2	164.3	005.3000	0127.1	113.1	34.22
271.0	022.9870	0339.4	060.5	164.4	005.3000	0127.1	112.0	34.43
272.0	023.7200	0339.2	060.8	164.3	005.3000	0127.1	110.9	34.64
273.0	024.4644	0340.4	061.2	164.4	005.3000	0127.1	109.8	34.87
274.0	025.2203	0341.2	061.5	164.4	005.3000	0127.1	108.7	35.10
275.0	025.9878	0341.3	061.8	164.3	005.3000	0127.1	107.6	35.33
276.0	026.7667	0342.0	062.2	164.3	005.3000	0127.0	106.4	35.58
277.0	027.5572	0340.7	062.4	164.2	005.3000	0126.9	105.3	35.81
278.0	028.3591	0340.0	062.6	164.1	005.3000	0126.8	104.2	36.05
279.0	029.1725	0339.1	062.8	163.9	005.3000	0126.6	103.2	36.30
280.0	029.9975	0337.3	063.0	163.7	005.3000	0126.5	102.1	36.54
281.0	030.9276	0337.6	063.3	163.6	005.3000	0126.4	101.0	36.81
282.0	031.8719	0336.9	063.6	163.5	005.3000	0126.3	099.9	37.07
283.0	032.8304	0335.3	063.7	163.2	005.3000	0126.1	098.8	37.33
284.0	033.8031	0333.0	063.9	163.0	005.3000	0126.0	097.8	37.59
285.0	034.7900	0330.6	064.0	162.7	005.3000	0126.0	096.8	37.85
286.0	035.7911	0330.2	064.2	162.5	005.3000	0125.9	095.7	38.13
287.0	036.8064	0327.2	064.3	162.1	005.3000	0125.9	094.7	38.39
288.0	037.8359	0325.7	064.5	161.8	005.3000	0125.9	093.7	38.66
289.0	038.8796	0324.3	064.6	161.5	005.3000	0126.0	092.7	38.94
290.0	039.9375	0321.6	064.7	161.1	005.3000	0126.0	091.8	39.20
291.0	041.1176	0318.9	064.8	160.7	005.3000	0126.1	090.8	39.46
292.0	042.3149	0321.8	065.3	160.5	005.3000	0126.2	089.6	39.80
293.0	043.5293	0323.1	065.7	160.2	005.3000	0126.3	088.5	40.11
294.0	044.7610	0322.8	066.0	159.8	005.3000	0126.4	087.5	40.41

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
295.0	046.0098	0321.6	066.1	159.4	005.3000	0126.6	086.6	40.69
296.0	047.2758	0319.7	066.3	158.9	005.3000	0126.8	085.7	40.96
297.0	048.5590	0314.3	066.2	158.2	005.3000	0127.0	085.0	41.17
298.0	049.8593	0310.5	066.1	157.6	005.3000	0127.2	084.2	41.39
299.0	051.1769	0304.4	065.9	156.9	005.3000	0127.4	083.6	41.57
300.0	052.5116	0298.9	065.8	156.3	005.3000	0127.5	083.1	41.74
301.0	053.4931	0298.2	065.9	155.7	005.3000	0127.7	082.3	41.97
302.0	054.4837	0303.5	066.5	155.2	005.3000	0127.7	081.2	42.31
303.0	055.4834	0308.1	067.0	154.7	005.3000	0127.7	080.1	42.62
304.0	056.4921	0310.7	067.4	154.2	005.3000	0127.7	079.2	42.90
305.0	057.5100	0314.8	067.9	153.6	005.3000	0127.6	078.2	43.19
306.0	058.5369	0319.8	068.4	153.0	005.3000	0127.4	077.1	43.49
307.0	059.5730	0322.8	068.8	152.3	005.3000	0127.0	076.2	43.74
308.0	060.6181	0324.1	069.1	151.6	005.3000	0126.7	075.5	43.95
309.0	061.6723	0322.9	069.2	150.8	005.3000	0126.4	074.9	44.10
310.0	062.7356	0321.1	069.2	149.9	005.3000	0126.1	074.4	44.23
311.0	063.5390	0319.2	069.2	149.1	005.3000	0126.0	074.1	44.34
312.0	064.3476	0317.9	069.3	148.2	005.3000	0125.7	073.7	44.44
313.0	065.1612	0318.1	069.4	147.3	005.3000	0125.4	073.2	44.57
314.0	065.9800	0316.3	069.4	146.4	005.3000	0125.1	072.9	44.64
315.0	066.8039	0313.1	069.3	145.4	005.3000	0124.8	072.8	44.66
316.0	066.8039	0312.9	069.3	144.5	005.3000	0124.5	072.6	44.71
317.0	066.8039	0315.5	069.5	143.6	005.3000	0124.4	072.2	44.81
318.0	066.8039	0317.8	069.6	142.6	005.3000	0124.4	071.9	44.90
319.0	066.8039	0321.6	069.9	141.7	005.3000	0124.6	071.6	45.02
320.0	066.8039	0323.7	070.1	140.7	005.3000	0124.7	071.4	45.08
321.0	067.2178	0323.0	070.1	139.7	005.3000	0125.0	071.4	45.10
322.0	067.6329	0321.7	070.0	138.7	005.3000	0125.2	071.5	45.09
323.0	068.0493	0321.5	070.1	137.7	005.3000	0125.2	071.5	45.08
324.0	068.4670	0321.8	070.2	136.8	005.3000	0125.1	071.5	45.06
325.0	068.8860	0322.7	070.3	135.8	005.3000	0125.2	071.6	45.05
326.0	069.3062	0323.3	070.4	134.8	005.3000	0125.3	071.7	45.03
327.0	069.7278	0326.4	070.7	133.8	005.3000	0125.4	071.7	45.04
328.0	070.1506	0329.3	071.0	132.8	005.3000	0125.6	071.7	45.04
329.0	070.5746	0330.6	071.1	131.8	005.3000	0125.6	071.9	44.98
330.0	071.0000	0329.7	071.1	130.8	005.3000	0125.5	072.3	44.86
331.0	069.8685	0328.0	070.8	130.0	005.3000	0125.3	073.0	44.64
332.0	068.7462	0325.7	070.5	129.2	005.3000	0125.2	073.7	44.40
333.0	067.6329	0323.4	070.2	128.4	005.3000	0125.0	074.5	44.15
334.0	066.5287	0321.3	069.9	127.7	005.3000	0124.8	075.3	43.90
335.0	065.4336	0319.0	069.5	127.0	005.3000	0124.6	076.2	43.64
336.0	064.3476	0316.0	069.1	126.3	005.3000	0124.6	077.1	43.36
337.0	063.2707	0314.2	068.8	125.6	005.3000	0124.6	078.0	43.10
338.0	062.2028	0314.0	068.6	125.0	005.3000	0124.6	078.8	42.87
339.0	061.1441	0313.7	068.4	124.3	005.3000	0124.6	079.6	42.63
340.0	060.0944	0311.7	068.1	123.7	005.3000	0124.6	080.5	42.35
341.0	060.0944	0309.7	068.0	123.1	005.3000	0124.5	081.4	42.10
342.0	060.0944	0307.9	067.8	122.5	005.3000	0124.4	082.2	41.85
343.0	060.0944	0306.0	067.7	122.0	005.3000	0124.4	083.1	41.60
344.0	060.0944	0304.0	067.5	121.4	005.3000	0124.3	084.0	41.34
345.0	060.0944	0302.0	067.4	120.9	005.3000	0124.3	084.9	41.07

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
346.0	060.0944	0301.6	067.4	120.3	005.3000	0124.2	085.7	40.82
347.0	060.0944	0302.8	067.4	119.8	005.3000	0124.1	086.5	40.59
348.0	060.0944	0301.6	067.4	119.3	005.3000	0124.0	087.4	40.32
349.0	060.0944	0299.4	067.2	118.8	005.3000	0123.9	088.4	40.04
350.0	060.0944	0299.6	067.2	118.4	005.3000	0123.8	089.3	39.78
351.0	060.0944	0298.1	067.1	117.9	005.3000	0123.8	090.3	39.51
352.0	060.0944	0296.0	066.9	117.6	005.3000	0123.9	091.4	39.22
353.0	060.0944	0294.5	066.8	117.2	005.3000	0123.8	092.4	38.94
354.0	060.0944	0292.9	066.7	116.9	005.3000	0123.9	093.4	38.66
355.0	060.0944	0290.3	066.5	116.6	005.3000	0124.0	094.5	38.37
356.0	060.0944	0287.1	066.2	116.4	005.3000	0124.0	095.6	38.07
357.0	060.0944	0286.2	066.2	116.0	005.3000	0124.0	096.7	37.80
358.0	060.0944	0286.1	066.2	115.7	005.3000	0123.9	097.7	37.54
359.0	060.0944	0284.4	066.0	115.5	005.3000	0123.9	098.8	37.26
000.0	060.0944	0283.4	065.9	115.2	005.3000	0123.9	099.8	36.99
001.0	061.1441	0283.6	066.1	114.8	005.3000	0123.9	100.8	36.76
002.0	062.2028	0285.1	066.4	114.4	005.3000	0124.0	101.7	36.54
003.0	063.2707	0286.3	066.7	114.0	005.3000	0124.1	102.7	36.31
004.0	064.3476	0288.5	067.0	113.6	005.3000	0124.3	103.7	36.09
005.0	065.4336	0290.1	067.3	113.2	005.3000	0124.4	104.7	35.87
006.0	066.5287	0290.7	067.5	112.9	005.3000	0124.6	105.7	35.64
007.0	067.6329	0288.9	067.6	112.7	005.3000	0124.7	106.9	35.40
008.0	068.7462	0288.7	067.7	112.5	005.3000	0124.9	108.0	35.17
009.0	069.8685	0290.6	068.0	112.1	005.3000	0125.0	109.0	34.96
010.0	071.0000	0290.4	068.2	111.9	005.3000	0125.2	110.2	34.73
011.0	071.0000	0291.1	068.2	111.8	005.3000	0125.3	111.3	34.51
012.0	071.0000	0290.7	068.2	111.7	005.3000	0125.3	112.5	34.28
013.0	071.0000	0290.3	068.2	111.6	005.3000	0125.4	113.7	34.06
014.0	071.0000	0289.5	068.1	111.5	005.3000	0125.4	114.9	33.84
015.0	071.0000	0285.4	067.8	111.6	005.3000	0125.4	116.1	33.62
016.0	071.0000	0284.1	067.7	111.6	005.3000	0125.4	117.3	33.40
017.0	071.0000	0286.5	067.9	111.4	005.3000	0125.5	118.4	33.20
018.0	071.0000	0284.2	067.7	111.5	005.3000	0125.4	119.6	32.99
019.0	071.0000	0283.9	067.6	111.4	005.3000	0125.5	120.8	32.78
020.0	071.0000	0283.6	067.6	111.4	005.3000	0125.5	122.0	32.57
021.0	071.0000	0282.4	067.5	111.4	005.3000	0125.4	123.2	32.35

EXHIBIT #19
TELEVISION CHANNEL 6 PROTECTION

Minnesota Public Radio
New Station Application
Hinckley, Minnesota
September 2007

CH 203C3

5.3 kW H & V Omni

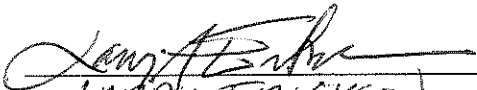
There is only protected television channel 6 station within the 246 kilometer cutoff for FM stations on Channel 203.

Page #2 of this exhibit is a letter from the licensee of television channel 6 station KBJR-TV. KBJR License, Inc. has no objection to the instant proposal. Further study for channel 6 protection was therefore deemed unnecessary.

CONSENT TO APPLICATION

KBJR License, Inc., licensee of KBJR-TV, Superior, Wisconsin, TV Channel 6, pursuant to Section 73.525(a) of the rules of the Federal Communications Commission, hereby consents to the filing by Minnesota Public Radio of an application for a construction permit for a new noncommercial FM station to serve the community of Hinckley, Minnesota on Channel 203 and confirms that it has no objection to the grant of the application.

KBJR License, Inc.

By: 
Name: LARRY ERICKSON
Title: DIRECTOR OF ENGINEERING

October 10, 2007

Exhibit #22

ENVIRONMENTAL PROTECTION/RF EMISSIONS COMPLIANCE

MINNESOTA PUBLIC RADIO

New Station Application
Hinckley, Minnesota
October 2007

CH 203A

5.3 kW H & V Omni

The proposed FM station will be located on an existing registered tower, ASR #1020168, constructed in 1991. As the tower was built prior to March, 2001, it is exempt from further environmental processing.

The applicant proposes to diplex the antenna for this proposal with another pending application filed during the same window. The total combined power will be 26.3 kW from an antenna height above ground of 100 meters. The proposed eight-bay, circularly polarized antenna will be energized such that it produces 26.3 kW effective radiated power.

The proposed eight-bay, circularly polarized antenna will be energized such that it produces 26.3 kW effective radiated power from an antenna height above ground of 100 meters. 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, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**".) the following table of exposure levels were developed for six common antennas.

Antenna (Type#)	Level at 2 m above ground ($\mu\text{W}/\text{cm}^2$)	% of maximum Uncontrolled area
Jampro (#2)	12.811	6.41
ERI (#3)	5.489	2.74
Dielectric (#5)	14.640	7.32
Shively (#6)	0.915	0.46
Dielectric DCRM (#7)	6.072	3.04
Dielectric DCRQ (#8)	9.216	4.61

There are no other sources of RF on the tower.

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

Consequently, it appears that the proposed FM station, when using one of the six common antennas listed above, will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.