

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0027 (September 2005)	FOR FCC USE ONLY
<b>FCC 301</b>		
<b>APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION</b>		FOR COMMISSION USE ONLY FILE NO. BMPH - 20070810ABF
Read INSTRUCTIONS Before Filling Out Form		

**Section I - General Information**

1. Legal Name of the Applicant 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 KRXW	Facility ID Number 166032
2. Contact Representative (if other than Applicant) TODD STANSBURY		Firm or Company Name WILEY REIN LLP
Telephone Number (include area code) 2027194948		E-Mail Address (if available) TSTANSBURY@WILEYREIN.COM
3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Other NCE <input type="radio"/> N/A (Fee Required)		
4. <b>Application Purpose</b>		
<input type="radio"/> New station		
<input type="radio"/> Major Modification of construction permit		
<input checked="" type="radio"/> Minor Modification of construction permit		
<input type="radio"/> Major Amendment to pending application		
(a) File number of original construction permit:		<input type="radio"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments <input type="radio"/> Major Change in licensed facility <input type="radio"/> Minor Change in licensed facility <input type="radio"/> Minor Amendment to pending application BNPH-20060302ACR <input type="checkbox"/> NA
(b) Service Type:		<input type="radio"/> AM <input checked="" type="radio"/> FM <input type="radio"/> TV <input type="radio"/> DTV
(c) Community of License: City: ROSEAU		State: MN
(d) Facility Type		<input checked="" type="radio"/> Main <input type="radio"/> Auxiliary
If an amendment, <b>submit as an Exhibit</b> a listing by Section and Question Number the portions of the pending application that are being revised.		[Exhibit 1]

**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.**

**Section II - Legal**

1. <b>Certification.</b> Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.	<input checked="" type="radio"/> Yes <input type="radio"/> No
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2.	<p><b>Parties to the Application.</b></p> <p>a. List the applicant, and, if other than a natural person, its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>(1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners.</p> <p>(2) Citizenship.</p> <p>(3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's <b>equity/debt plus</b> standard, etc.</p> <p>(4) Percentage of votes.</p> <p>(5) Percentage of total assets (equity plus debt).</p> <p>[Enter Parties/Owners Information]</p> <hr/>	
	<p>b. Applicant certifies that equity and financial interests not set forth above are non-attributable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A  See Explanation in [Exhibit 2]</p>
3.	<p><b>Other Authorizations.</b> List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest.</p>	<p><input checked="" type="checkbox"/> N/A  [Exhibit 3]</p>
4.	<p><b>Multiple Ownership.</b></p> <p>a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application?</p> <p>If "YES," radio applicants must submit as an Exhibit a copy of each such agreement for radio stations.</p> <p>b. Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules and cross-ownership rules.</p> <p>Radio applicants only: If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. § 73.3555(a).</p> <p>All Applicants: If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. § 73.3555.</p> <p>c. Applicant certifies that the proposed facility:</p> <ol style="list-style-type: none"> <li>1. does not present an issue under the Commission's policies relating to media interests of immediate family members;</li> <li>2. complies with the Commission's policies relating to future ownership interests; and</li> <li>3. complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.</li> </ol>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No  [Exhibit 4]</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  [Exhibit 5]</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 6]</p>
5.	<p><b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <ol style="list-style-type: none"> <li>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</li> <li>b. any pending broadcast application in which character issues have been raised.</li> </ol>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 7]</p>
6.	<p><b>Adverse Findings.</b> Applicant certifies that, with respect to the applicant and any party to the application, 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 8]</p>

7. <b>Alien Ownership and Control.</b> Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 9]
8. <b>Program Service Certification.</b> Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input checked="" type="radio"/> Yes <input type="radio"/> No
9. <b>Local Public Notice.</b> Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	<input checked="" type="radio"/> Yes <input type="radio"/> No
10. <b>Auction Authorization.</b> If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.  <b>An exhibit is required unless</b> this question is inapplicable.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A  [Exhibit 10]
11. <b>Anti-Drug Abuse Act Certification.</b> Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No
12. <b>Equal Employment Opportunity (EEO).</b> If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
13. <b>Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.</b> If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A

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 EXECUTIVE VICE PRESIDENT
Signature	Date 8/10/2007

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

<b>Section III-B - FM Engineering</b>	
<b>TECHNICAL SPECIFICATIONS</b>	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
<b>TECH BOX</b>	
1.	Channel Number: 278
2.	Class (select one): <input type="radio"/> A <input type="radio"/> B1 <input type="radio"/> B <input type="radio"/> C3 <input checked="" type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C <input type="radio"/> D
3.	Antenna Location Coordinates: (NAD 27)  Latitude: Degrees 48 Minutes 54 Seconds 10 <input checked="" type="radio"/> North <input type="radio"/> South  Longitude:

Degrees 95 Minutes 22 Seconds 38.1  West  East

4. Proposed Allotment or Assignment Coordinates: (NAD 27)  Not Applicable

Latitude:  
 Degrees Minutes Seconds  North  South

Longitude:  
 Degrees Minutes Seconds  West  East

5. Antenna Structure Registration Number: 1023320  
 Not Applicable  Notification filed with FAA

6. Overall Tower Height Above Ground Level: 150.8meters

7. Height of Radiation Center Above Mean Sea Level: 470.8 meters(H) 470.8 meters(V)

8. Height of Radiation Center Above Ground Level: 134meters(H) 134meters(V)

9. Height of Radiation Center Above Average Terrain: 142.7meters(H) 142.7meters(V)

10. Effective Radiated Power: 50 kW(H) 50 kW(V)

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

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 13-16. PROCEED TO ITEM 17.**

13. <b>Allotment.</b> The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 23]
14. <b>Community Coverage.</b> The proposed facility complies with 47 C.F.R. Section 73.315.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 24]
15. <b>Main Studio Location.</b> The proposed main studio location complies with 47 C.F.R. Section 73.1125.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 25]

<p>16. <b>Interference.</b> The proposed facility complies with all of the following applicable rule sections: Check all those that apply:</p> <p><b>Separation Requirements.</b>  <input checked="" type="checkbox"/> a) 47 C.F.R. Section 73.207</p> <p><b>Grandfathered Short-Spaced.</b></p> <p><input type="checkbox"/> b) 47 C.F.R. Section 73.213(a) with respect to station(s): [Exhibit 27]  <b>Exhibit required</b></p> <p><input type="checkbox"/> c) 47 C.F.R. Section 73.213(b) with respect to station(s): [Exhibit 28]  <b>Exhibit required</b></p> <p><input type="checkbox"/> d) 47 C.F.R. Section 73.213(c) with respect to station(s): [Exhibit 29]  <b>Exhibit required.</b></p> <p><b>Contour Protection</b></p> <p><input checked="" type="checkbox"/> e) 47 C.F.R. Section 73.215 with respect to station(s): [Exhibit 30]  <b>Exhibit required.</b></p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 26]</p>
<p>17. <b>Environmental Protection Act.</b> The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an <b>Exhibit is required.</b></p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 31]</p>
<p>18. <b>Community of License Change - Section 307(b).</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 constitutes a preferential arrangement of station assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)).</p> <p><b>An exhibit is required</b> unless this question is not applicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A</p> <p>[Exhibit 32]</p>
<p><b>PREPARERS CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.</b></p>	

### SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (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 7/6/2007	
Mailing Address DOUG VERNIER TELECOMMUNICATIONS CONSULTANTS 721 WEST 1ST STREET, SUITE A		
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).

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## Exhibits

### Exhibit 1

**Description:** ENGINEERING STATEMENT AND NCE STATUS REQUEST

THIS APPLICATION SEEKS: (A) MINOR TECHNICAL CHANGES TO THE FACILITIES OF KRXW AND (B) MODIFICATION OF THE STATION'S AUTHORIZATION TO SPECIFY OPERATION ON A NONCOMMERCIAL EDUCATIONAL BASIS.

THE FIRST ATTACHMENT TO THIS EXHIBIT CONSISTS OF AN ENGINEERING STATEMENT.

THE REMAINDER OF THIS EXHIBIT CONSISTS OF INFORMATION DEMONSTRATING THE APPLICANT'S QUALIFICATIONS AS A NONCOMMERCIAL EDUCATIONAL LICENSEE.

KRXW WAS ORIGINALLY LICENSED TO THE COMMERCIAL ENTITY CEDAR STREET HOLDINGS INC. ITS CONSTRUCTION PERMIT WAS LATER ASSIGNED TO THE APPLICANT, MINNESOTA PUBLIC RADIO (MPR). CONSENT FOR THIS ASSIGNMENT WAS GRANTED ON 7/19/06, AND CONSUMMATION WAS REPORTED ON 7/25/06. MPR IS THE LICENSEE OF NUMEROUS NONCOMMERCIAL BROADCAST STATIONS. ITS PARENT COMPANY IS AMERICAN PUBLIC MEDIA GROUP (APMG).

THIS EXHIBIT INCLUDES THE FOLLOWING ATTACHMENTS RELEVANT TO MPR'S NONCOMMERCIAL STATUS: 1) SECTION II (LEGAL AND FINANCIAL) OF FORM 340; AND 2) A CURRENT LISTING OF ALL BROADCAST FACILITIES LICENSED TO MPR, RESPONSIVE TO SECTION II, ITEM 7.

ADDITIONAL OWNERSHIP INFORMATION RELEVANT TO SECTION II, ITEM 6A IS ON FILE WITH THE COMMISSION. MPR'S MOST RECENT OWNERSHIP REPORT IS FILE NO. BOS-20070430BDK. APMG'S MOST RECENT OWNERSHIP REPORT IS FILE NO. BOS-20070430BDF.

MPR INTENDS TO PROVIDE ON KRXW A PROGRAM SERVICE THAT IS SIMILAR IN NATURE TO THE SERVICE PROVIDED BY CO-OWNED NONCOMMERCIAL EDUCATIONAL STATION KNOW-FM, MINNEAPOLIS-ST. PAUL, MN.

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### Attachment 1

Description
<a href="#">Exhibit 1 Attachment 1 / Engineering statement</a>
<a href="#">Exhibit 1 Attachment 2 / FCC Form 340 Section II</a>
<a href="#">Exhibit 1 Attachment 3 / Facilities and ownership information</a>

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### Exhibit 5

**Description:** OWNERSHIP RULES

MPR IS SEEKING TO MODIFY THE AUTHORIZATION FOR THIS STATION TO SPECIFY OPERATION ON A NONCOMMERCIAL EDUCATIONAL BASIS. THEREFORE, THIS QUESTION IS NOT APPLICABLE

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### Attachment 5

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### Exhibit 23

**Description:** ALLOTMENT

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### Attachment 23

Description
<a href="#">Exhibit #23, Allotment</a>

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### Exhibit 24

**Description:** COMMUNITY COVERAGE

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**Attachment 24**

Description
<a href="#">Exhibit #24, Community Coverage</a>

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**Exhibit 25****Description:** MAIN STUDIO LOCATION

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**Attachment 25**

Description
<a href="#">Exhibit #25, Main Studio Location</a>

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**Exhibit 26****Description:** SEPARATION REQUIREMENTS

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**Attachment 26**

Description
<a href="#">Exhibit #26, Separation Requirements</a>

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**Exhibit 30****Description:** CONTOUR PROTECTION

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**Attachment 30**

Description
<a href="#">Exhibit #30, Contour Protection</a>

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**Exhibit 31****Description:** RF EMISSIONS COMPLIANCE STATEMENT

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**Attachment 31**

Description
<a href="#">Exhibit #31, RF Emissions Compliance Statement</a>

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**EXHIBIT #1**  
**ENGINEERING STATEMENT**

**Minnesota Public Radio**  
Minor Modification to Construction Permit  
KRXW  
BNPH-20060302ACR  
Roseau, MN

July 2007

CH 278C2

50 kW H & V

This engineering statement supports application filed by Minnesota Public Radio to make a minor modification to construction permit BNPH-20060302ACR, KRXW, a non-commercial FM station operating on the commercial band in Roseau, Minnesota.

The applicant proposes to move the transmitter location and increase antenna height above ground, mean sea level and average terrain. No other changes are being proposed at this time.

A total of 8 evenly spaced radials were used to determine the antenna height above average terrain. The N.G.D.C. 30 arc second database was employed to determine the elevations along the radials that were averaged using the required four-point interpolation method. The resulting averaged radial antenna heights were employed using the Commission's own TVFMINT algorithm to project the distances to signal contours. A map of the proposed 60 and 70 dBu contours, with cardinal radials and a special radial through the city of license is included on page #3. A tabular listing of the distance to the 60 and the 70 dBu contours can be found on page #4 of this exhibit.

**Exhibit #23** shows that the proposed modification meets the allotment requirements of Section 73.203(b).

**Exhibit #24** shows that the proposed facility meets the community coverage requirements of Section 73.315.

**Exhibit #25** contains information about the proposed main studio location.

**Exhibit #26** is an Allocation Report showing that there is no prohibited short-spacing to any existing license, construction permit or application, with the exception of KKBj-FM, Bemidji. That facility will be protected under Section 73.215.



**Exhibit #30** shows that contour protection under Section 73.215 is provided to KKBJ-FM. For the purposes of this study, KKBJ-FM was brought up to full height and power for a Class C1 station of 100 kW at 299 meters. There is no prohibited contour overlap with this maximized station.

The applicant proposes the use of registered tower ASR #1023320, constructed in 1971. Since this tower was built before March, 2001 and since no changes are being proposed to the tower structure itself, this application is excluded from environmental processing under 47. C.F.R. Section 1.1306.

**Exhibit #31** is an R.F. emissions compliance statement, showing that workers and the general public are protected from excess radio frequency emissions.

The proposed station is within 320 kilometers of the US border with Canada, however there are no pertinent relationships with Canadian stations, applications or allotments. The proposed station is not within the specific critical distances to AM broadcast towers, FCC monitoring stations, Table Mountain and the West Virginia Quiet Zone. The applicant is aware of its responsibility under the rules to correct any blanketing interference it may cause within the period of one year from commencement of transmissions of newly authorized facilities.

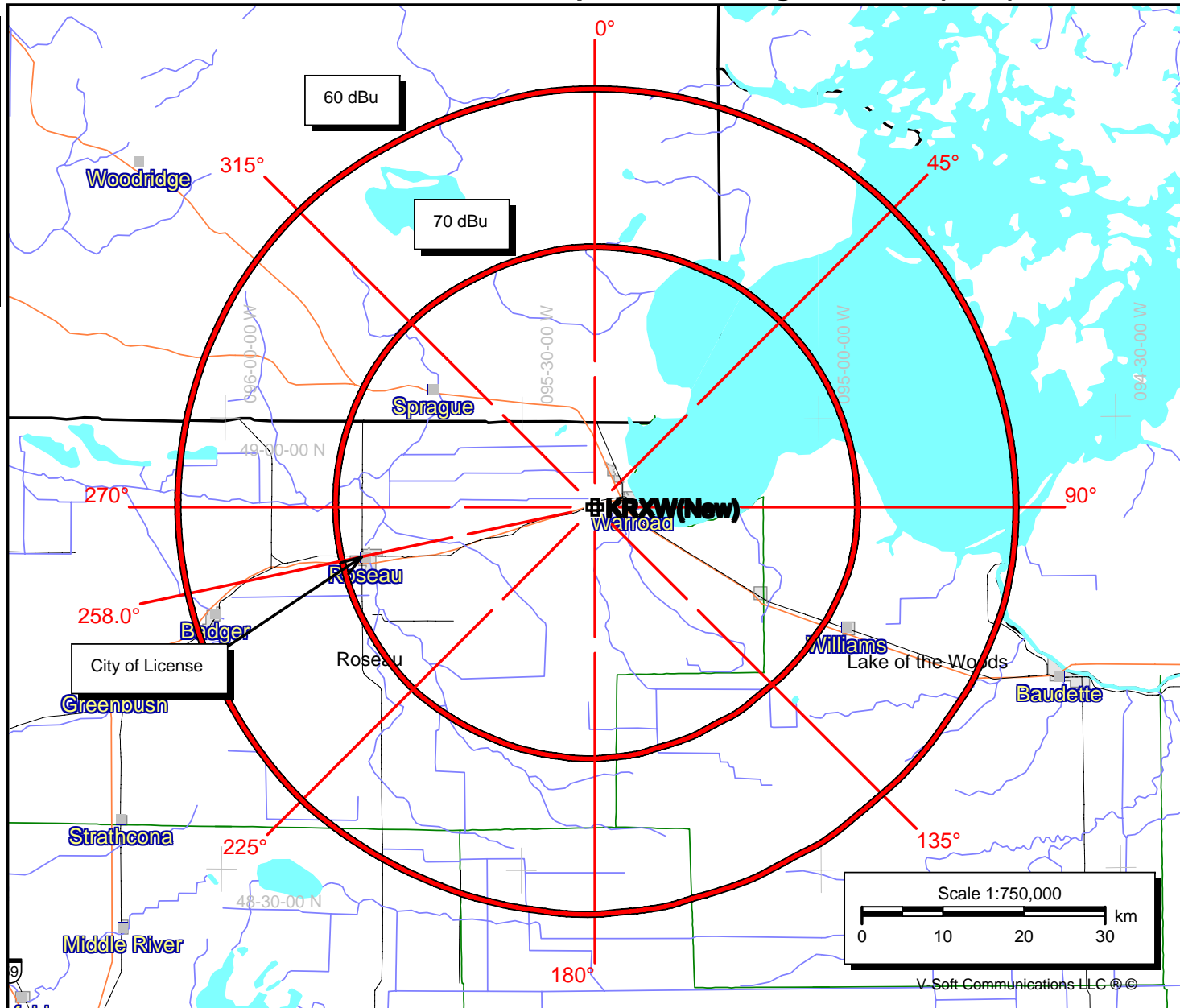
Page #5 of Exhibit #1 is a statement of the qualifications of the preparer.

Kate Michler

# Proposed Coverage - KRXW (New) Class C2

**KRXW(New)**  
Roseau, MN C2  
Latitude: 48-54-10 N  
Longitude: 095-22-38.10 W  
ERP: 50.00 kW  
Channel: 278  
Frequency: 103.5 MHz  
AMSL Height: 470.8 m  
HAAT: 142.7 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

7/9/2007



N. Lat. = 485410.0 W. Lng. = 952238.1  
HAAT and Distance to Contour - FCC Method - NGDC 30 SEC  
KRXW - Minor Modification

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	70-F5
000	325.6	145.2	50.0000	16.99	1.000	51.55	32.07
045	323.0	147.8	50.0000	16.99	1.000	51.90	32.36
090	323.0	147.8	50.0000	16.99	1.000	51.90	32.36
135	336.5	134.3	50.0000	16.99	1.000	50.03	30.90
180	335.4	135.4	50.0000	16.99	1.000	50.18	31.01
225	329.0	141.8	50.0000	16.99	1.000	51.08	31.70
270	326.7	144.1	50.0000	16.99	1.000	51.41	31.96
315	325.4	145.4	50.0000	16.99	1.000	51.58	32.09

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Additional Radials: (Not Considered in Average):

258	327.6	143.2	50.0000	16.99	1.000	51.27	31.85
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Ave El= 328.08 M HAAT= 142.72 M AMSL= 470.8 M

**Declaration:**

I, Katherine A. Michler, have received a Bachelor of Science degree from the University of Northern Iowa, and;

That, I declare that I have received training as a technical consultant as a member of the staff of Doug Vernier Telecommunications Consultants, and;

That, I have been a member of the firm for over nine years, and;

That, my qualifications are a matter of record with the Federal Communications Commission, and;

That, I am an Associate Member (#20792) of the Society of Broadcast Engineers, Indianapolis, Indiana, and;

That, the consulting firm of Doug Vernier Telecommunications Consultants has been retained by Minnesota Public Radio, and;

That, I have personally prepared these engineering showings, the technical information contained in same and the facts stated within are true to my knowledge, and;

That, under penalty of perjury, I declare that the foregoing is correct.

 Katherine A. Michler

Executed on July 9, 2007

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0029 (February 2007)	FOR FCC USE ONLY
<b>FCC 340</b>		
<b>APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL NONCOMMERCIAL EDUCATIONAL BROADCAST STATION</b>		FOR COMMISSION USE ONLY FILE NO. -
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:	Call Sign	Facility Identifier 171581
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 and/or window number:		<input type="radio"/> Yes <input type="radio"/> No
4. <b>Application Purpose</b>		
<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:            State:		
(d) Facility Type		<input checked="" type="radio"/> Main <input type="radio"/> Auxiliary
If an amendment, <b>submit as an Exhibit</b> 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. <b>Certification.</b> Applicant certifies that it has answered each question in this application based on	<input checked="" type="radio"/> Yes <input type="radio"/> No
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							Assets (equity plus debt)	Governing Board	Officer, director, investor/creditor attributable under the Commission's equity/debt plus standard, etc
BRADBURY H ANDERSON, VICE CHAIRMAN & CEO, EXECUTIVE DEPT., BEST BUY CORPORATE CAMPUS, 7601 PENN AVE. S, RICHFIELD MN 55423	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0		

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) % of: of Total Assets (equity plus debt)
				Owner- ship (O) or	Voting Stock (VS) or	Member- ship (M)	
ANDY BESSETTE, EVP & CAO, THE TRAVELERS COMPANIES INC., MAIL CODE NB17A, 385 WASHINGTON ST., ST. PAUL MN 55102	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) % of: of Total Assets (equity plus debt)
				Owner- ship (O) or	Voting Stock (VS) or	Member- ship (M)	
SUSAN BOREN, PARTNER, SPENCERSTUART, 225 SOUTH SIXTH ST., SUITE 2750, MINNEAPOLIS MN 55402	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
GEORGE W BUCKLEY, PRESIDENT & CEO, 3M, 3M CENTER BUILDING 220-14W-05, ST. PAUL MN 55144	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
PATRICK J DENZER, PRESIDENT & CEO, JOHN B COLLINS ASSOCS. INC., 8300 NORMAN CENTER DR., STE. 1275, BLOOMINGTON MN 55437	UK	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
JANET M DOLAN, PRESIDENT, ACT III. ENTERPRISES, WILLIAM MOORE LAW FIRM, 7260 UNIVERSITY AVE. NE,	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0



SUITE 160,  
FRIDLEY, MN  
55432

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
IAN R FRIENDLY, PRESIDENT, US RETAIL, BENERAL MILLS INC., #1 GENERAL MILLS BLVD, MINNEAPOLIS MN 55426	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
STEVE FRITZE, EVP & CFO, ECOLAB INC., 370 WABASHA ST. N, ST. PAUL MN 55102	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
SARA H GAVIN, PRESIDENT, WEBER SHANDWICK MINNEAPOLIS, 8000 NORMAN CENTER DR., STE. 400, MINNEAPOLIS	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
RANDALL J HOGAN, CHAIRMAN & CEO, PENTAIR INC., 5500 WAYZATA BLVD., STE 800, GOLDEN VALLEY MN 55416	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
KIM R JENSON, REGIONAL MANAGER, UBS FINANCIAL SERVICES INC., 800 NICOLLET MALL, SUITE 700, MINNEAPOLIS MN 55402	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
ANITA H KUNIN, C/O MINNESOTA PUBLIC RADIO, 480 CEDAR ST., ST.	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

PAUL MN  
55101

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
KARIN L LARSON, CHAIRMAN, CAPITAL INTERNATIONAL RESEARCH INC., 11100 SANTA MONICA BLVD., 15TH FL., LOS ANGELES CA 90025	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
THOMAS R MCBURNEY, MCBURNEY MANAGEMENT ADVISORS, 80 SOUTH 8TH ST., 4900 IDS CENTER, MINNEAPOLIS MN 55402	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
WILLIAM R MCLAUGHLIN, PRESIDENT, CEO & CHAIRMAN OF THE BOARD,	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0



							Assets (equity plus debt)	Governing Board	Officer, director, investor/creditor attributable under the Commission's equity/debt plus standard, etc
MICHAEL O'KEEFE, PRESIDENT, MINNEAPOLIS COLLEGE OF ART & DESIGN, 2501 STEVENS AVE. S, MINNEAPOLIS MN 55404	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0		

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) % of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
DAVID JOHN OLDERMAN, C/O MINNESOTA PUBLIC RADIO, 480 CEDAR ST., ST. PAUL MN 55101	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) % of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
JAMES J PHELPS, PRESIDENT, NORTHCREST CORPORATION, 2635 UNIVERSITY AVE. W, STE. 190, ST. PAUL MN 55114	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(a) Name and	(b)Citizen-	(c) Positional	(d) Director				(f) % of:
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Residence Address(es)	ship	Interest: Officer, director, investor/creditor attributable under the Commission's equity/debt plus standard, etc	or Member of Governing Board	Ownership(O) or Voting Stock(VS) or Membership (M)			of Total Assets (equity plus debt)
				Ownership (O) or	Voting Stock (VS) or	Membership (M)	
ADDISON PIPER, PIPER JAFFRAY COMPANIES INC., 800 NICOLLET MALL, J1012058, MINNEAPOLIS MN 55402	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Ownership (O) or	Voting Stock (VS) or	Membership (M)	
PAUL REYELTS, EXEC. VP FOR FINANCE & CFO, THE VALSPAR CORPORATION, 1101 3RD ST. S, MINNEAPOLIS MN 55415	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Ownership (O) or	Voting Stock (VS) or	Membership (M)	
STEVEN M ROTHSCHILD, TWIN CITIES RISE!, 800 WASHINGTON AVE. N, STE 203, MINNEAPOLIS MN 55401	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(a) Name and	(b)Citizen-	(c) Positional	(d) Director				(f) %of:
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Residence Address(es)	ship	Interest: Officer, director, investor/creditor attributable under the Commission's equity/debt plus standard, etc	or Member of Governing Board	Ownership(O) or Voting Stock(VS) or Membership (M)			of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
DAVID R STRAND, CHIEF EMERGING BUSINESSES OFFICER, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVE., MAIL CODE H 18, CLEVELAND OH 44195	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
AUSTIN P SULLIVAN JR., 700 TWELVE OAKS CENTER DR., STE. 252, WAYZATA MN 55391	US	TRUSTEE (MPR & APMG)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
DR RICHARD L TORGERSON, PRESIDENT, LUTHER COLLEGE, 700 COLLEGE DR., DECORAH, IA 52101	US	TRUSTEE (MPR ONLY)	<input checked="" type="radio"/> Yes <input type="radio"/> No	0	0	0	0

(a) Name and	(b)Citizen-	(c) Positional	(d) Director	(f) %of:
--------------	-------------	----------------	--------------	----------







		standard, etc					
JON K GOSSETT, SR. VP FOR DEVELOPMENT, MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	US	STAFF OFFICER (MPR ONLY)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
JANA V KANYADAN, SR. VP FOR TECHNOLOGY, CIO, MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	US	STAFF OFFICER (MPR ONLY)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
SARAH S LUTMAN, SR. VP FOR CONTENT & MEDIA, MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	US	STAFF OFFICER (MPR ONLY)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
JON R MCTAGGART, SR. VP & COO,	US	STAFF OFFICER (MPR &	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	APMG)
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(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
MARY NEASE, SR. VP FOR HUMAN RESOURCES, MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	US	STAFF OFFICER (MPR & APMG)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
TIMOTHY T ROESLER, SR. VP FOR SALES, MARKETING & DISTRIBUTION, MPR APM, 480 CEDAR ST., ST. PAUL MN 55101	US	STAFF OFFICER (MPR ONLY)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

(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: Ownership(O) or Voting Stock(VS) or Membership (M)			(f) %of: of Total Assets (equity plus debt)
				Owner-ship (O) or	Voting Stock (VS) or	Member-ship (M)	
JJ YORE, VP & EXEC. PRODUCER, MARKETPLACE PROGRAMMING, AMERICAN PUBLIC MEDIA LOS ANGELES, 261 S. FIGUEROA	US	STAFF OFFICER (MPR ONLY)	<input type="radio"/> Yes <input checked="" type="radio"/> No	0	0	0	0

ST., STE. 200,  
LOS ANGELES  
CA 90012

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.	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 3]
7. <b>Other Authorizations.</b> List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest pursuant to the notes to 47 C.F.R. Section 73.3555.	<input type="checkbox"/> N/A [Exhibit 4]
8. <b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 5]
9. <b>Adverse Findings.</b> Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.  If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 6]
10. <b>Alien Ownership and Control.</b> Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 7]
11. <b>Program Service Certification.</b> Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input checked="" type="radio"/> Yes <input type="radio"/> No
12. <b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.	<input checked="" type="radio"/> Yes <input type="radio"/> No
13. <b>Anti-Drug Abuse Act Certification.</b> Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No
14. <b>Equal Employment Opportunity (EEO).</b> If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
<b>QUESTIONS 15, 16 AND 17 APPLY ONLY TO APPLICANTS FOR NEW STATIONS. OTHER APPLICANTS CAN PROCEED TO QUESTION 18.</b>	
15. <b>Financial.</b> The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.  If "No" to 15., answer question 16. and 17.	<input 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 checked="" 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 checked="" 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).  Yes  No

If "No," answer a. and b. below. If applicant answers "No" to 18. above and cannot answer "Yes" to either a. or b. below, the application is unacceptable.

a. Applicant certifies that the proposed modification will not downgrade service to the area on which the Section 307(b) preference was based.  Yes  No

b. Applicant certifies that although it proposes to downgrade service to the area on which the Section 307(b) preference was based, applicant has provided full service to that area for a period of four years of on-air operations.  Yes  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.  Yes  No

If "No," applicant must be able to answer "Yes" to a. below or provide an exhibit that makes a compelling showing that the downgrade would be in the public interest.

a. Applicant certifies that the population and area within the proposed service contour (60 dBu (FM) or grade B (TV)) are greater than or equivalent to those authorized.  Yes  No  
[Exhibit 9]

**FCC Form 301**  
**Application for Minor Modification to Construction Permit**  
**Exhibit 1**  
**Minnesota Public Radio, FRN 0002-6425-10**

**Page 1**

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This document is responsive to Section II, item 7 of FCC Form 340, which is attached to this Form 301 as an exhibit. 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

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**Exhibit 1**  
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<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	<u>FREQUENCY</u>
KCMP-FM	62162	Northfield MN	89.3 MHz
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

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**Application for Minor Modification to Construction Permit**  
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<u>CALL SIGN</u>	<u>FACILITY ID</u>	<u>COMMUNITY</u>	
W248AS	141828	Hinckley MN	97.5 MHz
K283AN	141856	Hinckley MN	104.5 MHz
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:



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

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.

**EXHIBIT #23  
ALLOTMENT**

**Minnesota Public Radio**  
Minor Modification to Construction Permit  
KRXW  
BNPH-20060302ACR  
Roseau, MN

July 2007

CH 278C2

50 kW H & V

The instant proposal complies with the allotment provisions under Section 73.203(b).

**EXHIBIT #24  
COMMUNITY COVERAGE**

**Minnesota Public Radio**  
Minor Modification to Construction Permit  
KRXW  
BNPH-20060302ACR  
Roseau, MN

July 2007

CH 278C2

50 kW H & V

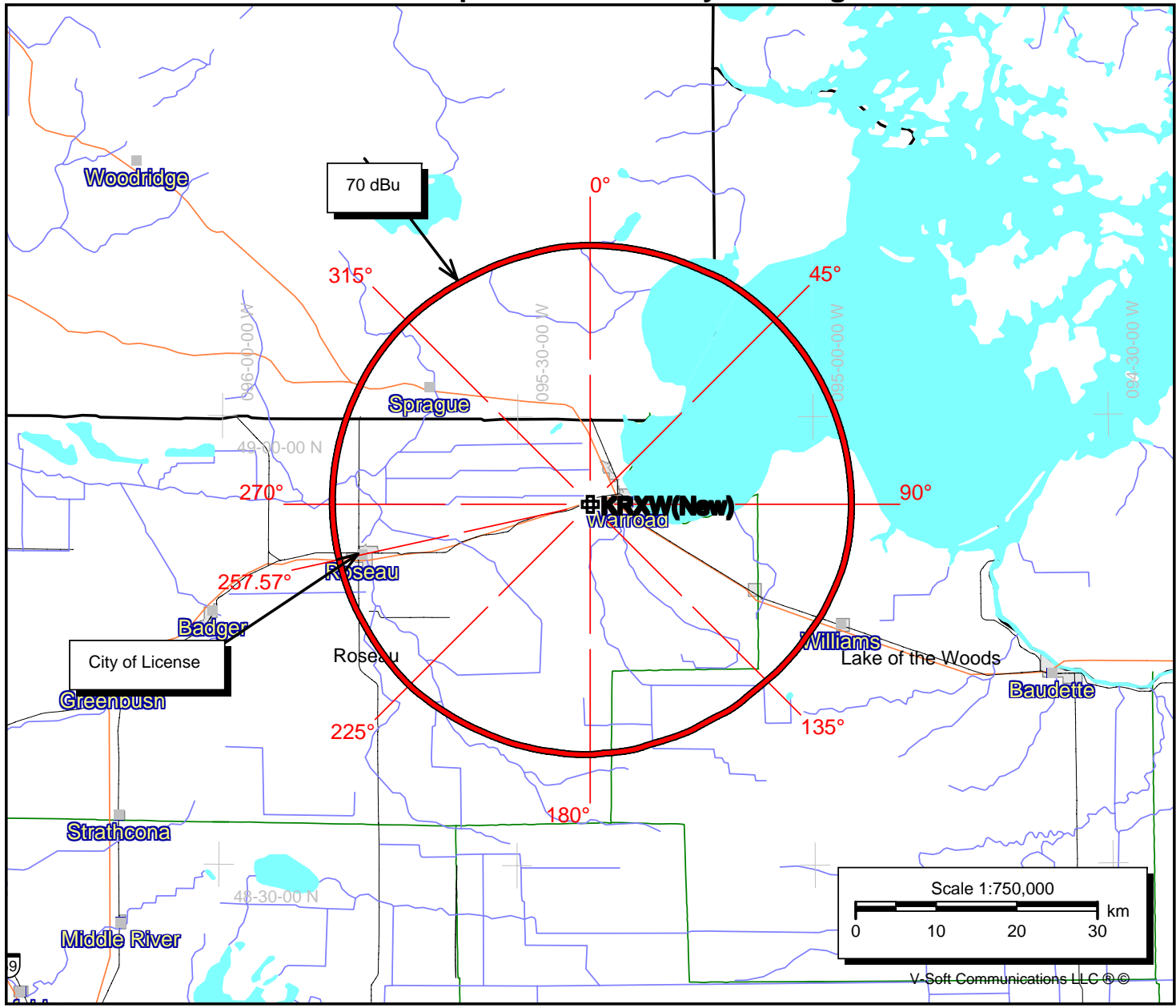
The applicant, Minnesota Public Radio proposes to move the transmitter location of KRXW for its Class C2 station, operating with 50 kW ERP at an antenna height above average terrain (HAAT) of 142.7 meters.

The map on Page #2 of this exhibit depicts the 70 dBu, F(50-50) principal community coverage contour for the proposed facility. It is apparent from this map that the city of license, Roseau, is encompassed by that contour, as required by Section 73.315(a) of the Commission's rules. Page #3 is an enlargement of the city of license, showing no part of the city is outside the 70 dBu contour. A table of the distance to 70 dBu contour can be found on Page #4.

### Proposed Community Coverage - Roseau Class C2

**KRXW(New)**  
Roseau, MN C2  
Latitude: 48-54-10 N  
Longitude: 095-22-38.10 W  
ERP: 50.00 kW  
Channel: 278  
Frequency: 103.5 MHz  
AMSL Height: 470.8 m  
HAAT: 142.7 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

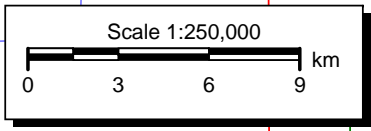
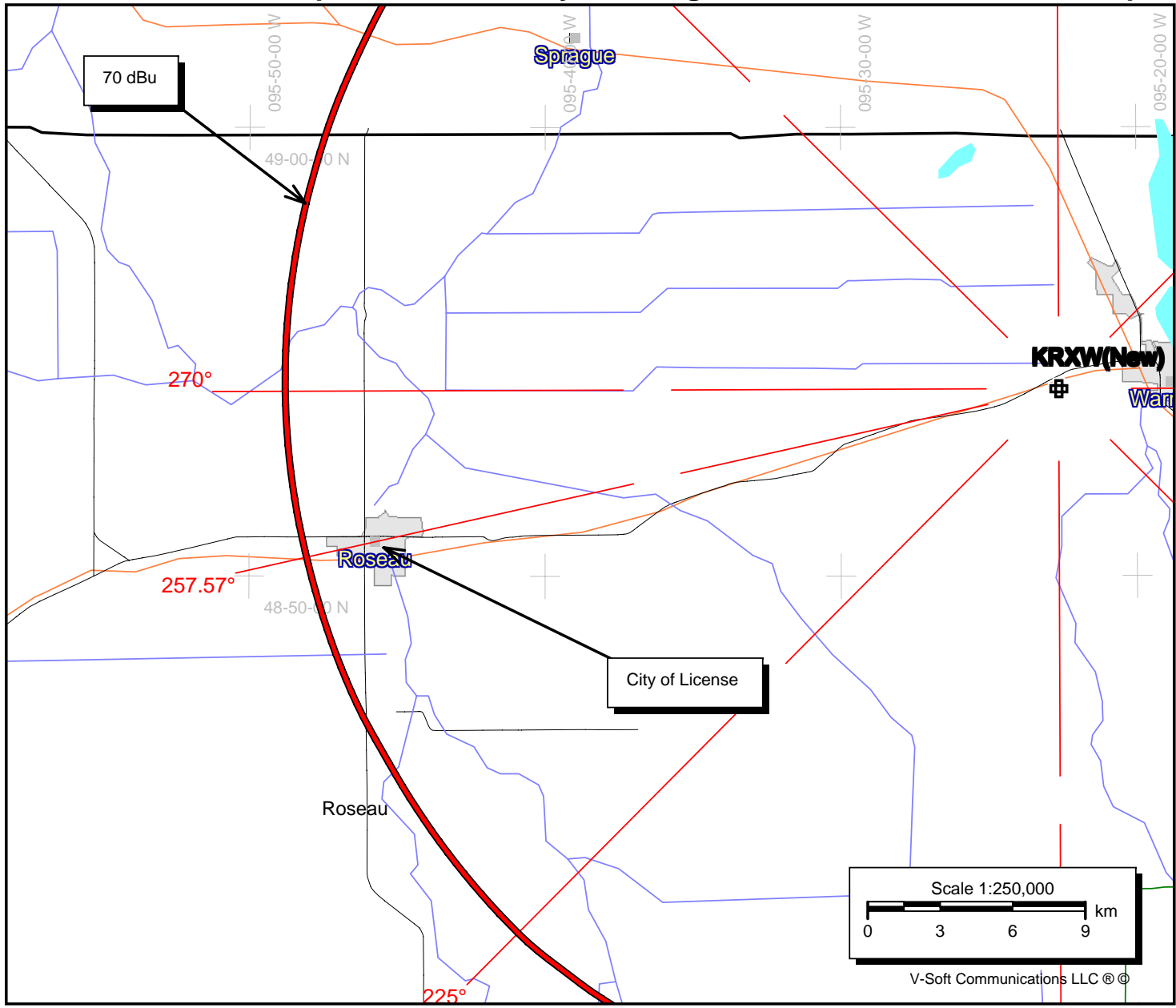
7/3/2007



### Proposed Community Coverage - Roseau Class C2 - Close Up

**KRXW(New)**  
Roseau, MN C2  
Latitude: 48-54-10 N  
Longitude: 095-22-38.10 W  
ERP: 50.00 kW  
Channel: 278  
Frequency: 103.5 MHz  
AMSL Height: 470.8 m  
HAAT: 142.7 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

7/3/2007



V-Soft Communications LLC ©

N. Lat. = 485410.0 W. Lng. = 952238.1

HAAT and Distance to Contour - FCC Method - NGDC 30 SEC

KRXW - Minor Modification

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	70-F5
000	325.6	145.2	50.0000	16.99	1.000	51.55	32.07
045	323.0	147.8	50.0000	16.99	1.000	51.90	32.36
090	323.0	147.8	50.0000	16.99	1.000	51.90	32.36
135	336.5	134.3	50.0000	16.99	1.000	50.03	30.90
180	335.4	135.4	50.0000	16.99	1.000	50.18	31.01
225	329.0	141.8	50.0000	16.99	1.000	51.08	31.70
270	326.7	144.1	50.0000	16.99	1.000	51.41	31.96
315	325.4	145.4	50.0000	16.99	1.000	51.58	32.09

Additional Radials: (Not Considered in Average):

258	327.6	143.2	50.0000	16.99	1.000	51.27	31.85
-----	-------	-------	---------	-------	-------	-------	-------

Ave El= 328.08 M HAAT= 142.72 M AMSL= 470.8 M

**EXHIBIT #25  
MAIN STUDIO LOCATION**

**Minnesota Public Radio**  
Minor Modification to Construction Permit  
KRXW  
BNPH-20060302ACR  
Roseau, MN

July 2007

CH 278C2

50 kW H & V

The main studio is to be located within the community of license, in compliance with Section 73.1125(a)(1).

Minnesota Public Radio  
 Minor Modification to KRXW

Exhibit #26

REFERENCE

48 54 10.0 N.  
 95 22 38.1 W.

CLASS = C2 Int = B  
 Current Spacings

DISPLAY DATES

DATA 07-03-07  
 SEARCH 07-03-07

----- Channel 278 - 103.5 MHz -----

Call	Channel	Location		Azi	Dist	FCC	Margin	
KRXW.C	CP	278C2	Roseau	MN	259.2	29.36	189.5	-160.14
KKBJ-FM	LIC	279C1	Bemidji	MN	163.9	155.77	157.5	-1.73*
CKWGFM	OPE	276C	Winnipeg	MB	307.7	159.54	124.5	35.04
AL2213	---	277A	Vermilion Bay	ON	52.5	175.27	136.5	38.77
KZZY	LIC	278C1	Devils Lake	ND	250.7	290.67	223.5	67.17
R---	ADD	281C	Selkirk	MB	321.0	181.24	105.5	75.74
AL8573	AL	280A	Lac Du Bonnet	MB	344.6	155.74	77.5	78.24
R---	DEL	280A	Lac Du Bonnet	MB	344.6	155.74	77.5	78.24
R---	DEL	281C1	Selkirk	MB	321.0	181.24	94.5	86.74
KSDM	LIC	281C3	International Falls	MN	102.6	150.79	55.5	95.29
KZCR	LIC	277C1	Fergus Falls	MN	193.1	277.60	157.5	120.10

-----  
 Reference station has protected zone issue: Canada

\* Protected under 73.215. See Exhibit #30.



Exhibit #30

Minnesota Public Radio  
Minor Modification to KRXW

REFERENCE  
48 54 10.0 N.  
95 22 38.1 W.

CH# 278C2 - 103.5 MHz, Pwr= 50 kW, HAAT=142.7 M, COR= 470.8 M  
Average Protected F(50-50)= 51.21 km

DISPLAY DATES  
DATA 07-03-07  
SEARCH 07-03-07

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (km)
278C2 Roseau	KRXW	CP	_CX	259.2 78.9	29.36 BNPH20060302ACR	48 51 10.0 95 46 13.0	50.000 129	2.0 451	12.5 Minnesota Public Radio	176.5R	-147.1M
279C1 Bemidji	KKBj-FM^	LIC	_CX	163.9 344.3	155.77 BLH20030825AFX	47 33 21.0 94 48 04.0	100.000 299	105.0 719	72.3 R.p. Broadcasting, Inc.	1.06	8.12
277A Vermilion Bay	AL2213«	ON	___	52.5 234.0	175.27	49 50 37.0 93 26 26.0	6.000 100	60.9 477	39.9	49.60	37.00
281C Selkirk	R---«	ADD	___	321.0 139.8	181.25	50 09 24.0 96 58 38.0	100.000 600	21.4 827	96.6	95.53	78.08
276C Winnipeg	CKWGM«	OPE	_CN	307.7 126.3	159.55	49 45 54.0 97 07 56.0	100.000 110	8.5 340	56.4	86.58	81.00
278C1 Devils Lake	KZZY«	LIC	_CX	250.7 67.9	290.67 BLH20040204ABL	47 58 49.0 99 03 11.0	100.000 138	156.8 592	59.9 Double Z Broadcasting, Inc	82.65	93.99
281C1 Selkirk	R---«	DEL	___	321.0 139.8	181.25	50 09 24.0 96 58 38.0	100.000 299	14.1 526	86.2	102.79	86.77
280A Lac Du Bonnet	AL8573«	AL	___	344.6 164.2	155.74	50 15 06.0 95 57 25.0	6.000 100	3.9 362	37.5	87.73	90.66
280A Lac Du Bonnet	R---«	DEL	___	344.6 164.2	155.74	50 15 06.0 95 57 25.0	6.000 100	3.9 362	37.5	87.73	90.66
281C3 International Falls	KSDM«	LIC	_CN	102.6 284.1	150.79 BLH19940422KE	48 35 29.0 93 22 54.0	8.500 52	2.3 397	22.4 Red Rock Radio Corp.	96.69	122.51

Terrain database is NGDC 30 SEC

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), Beam tilt(Y,N,X)

"«" = Station meets FCC minimum distance spacing for its class.

^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements

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 spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined 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 interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case 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 overlap interference.

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

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

For I.F. relationships 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".

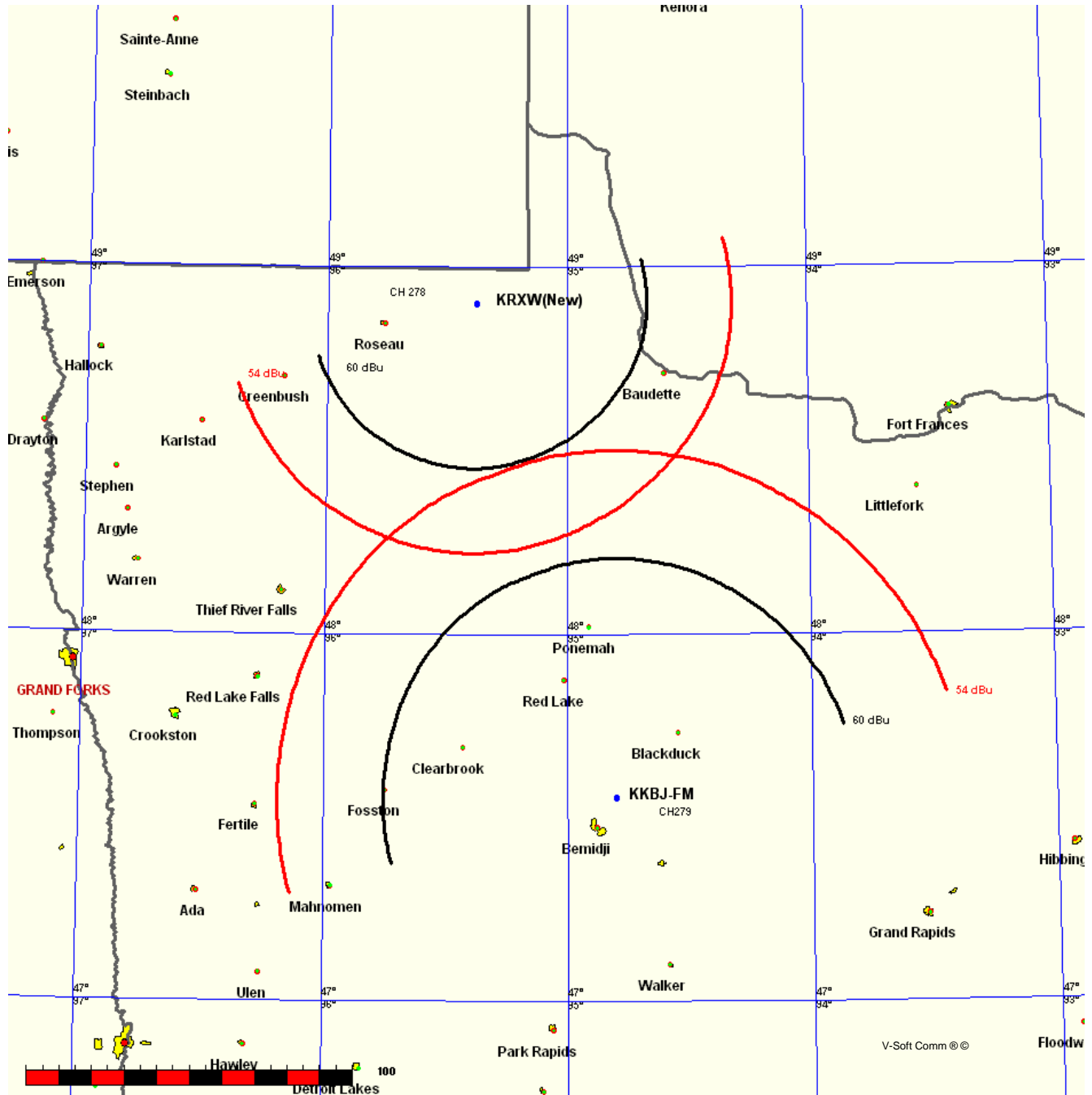
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending 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".

FMCommander Single Allocation Study  
07-03-2007

KRXW(New) CH 278 C2  
50.0 kW 470.8 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

KKBJ-FM CH 279 C1 BLH20030825AFX  
100.0 kW, 718.7 M COR  
Prot. = 60 dBu  
Intef. = 54 dBu

Scale = 1:3,000,000



KRXW(New)  
 Channel = 278C2  
 Max ERP = 50 kW  
 RCAMSL = 470.8 M  
 N. Lat. 48 54 10.0  
 W. Lng. 95 22 38.1  
 Protected  
 60 dBu

KKBJ-FM BLH20030825AFX  
 Channel = 279C1  
 Max ERP = 100 kW  
 RCAMSL = 718.7 M  
 N. Lat. 47 33 21.0  
 W. Lng. 94 48 04.0  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
104.0	050.0000	0146.8	051.8	003.1	100.0000	0301.3	137.4	46.44
105.0	050.0000	0146.4	051.7	002.9	100.0000	0301.3	136.6	46.63
106.0	050.0000	0146.0	051.7	002.8	100.0000	0301.4	135.7	46.82
107.0	050.0000	0145.5	051.6	002.7	100.0000	0301.4	134.8	47.01
108.0	050.0000	0145.2	051.5	002.6	100.0000	0301.5	134.0	47.20
109.0	050.0000	0144.7	051.5	002.5	100.0000	0301.5	133.1	47.38
110.0	050.0000	0144.3	051.4	002.3	100.0000	0301.6	132.3	47.56
111.0	050.0000	0143.9	051.4	002.2	100.0000	0301.6	131.5	47.74
112.0	050.0000	0143.5	051.3	002.0	100.0000	0301.7	130.6	47.92
113.0	050.0000	0143.3	051.3	001.9	100.0000	0301.7	129.8	48.10
114.0	050.0000	0143.0	051.2	001.7	100.0000	0301.8	129.0	48.28
115.0	050.0000	0142.6	051.2	001.6	100.0000	0301.9	128.2	48.45
116.0	050.0000	0142.2	051.1	001.4	100.0000	0301.9	127.4	48.62
117.0	050.0000	0141.6	051.0	001.2	100.0000	0302.0	126.6	48.79
118.0	050.0000	0140.9	051.0	000.9	100.0000	0302.1	125.9	48.95
119.0	050.0000	0140.3	050.9	000.7	100.0000	0302.2	125.1	49.11
120.0	050.0000	0139.7	050.8	000.5	100.0000	0302.2	124.4	49.27
121.0	050.0000	0139.3	050.7	000.3	100.0000	0302.2	123.6	49.42
122.0	050.0000	0138.9	050.7	000.0	100.0000	0302.2	122.9	49.58
123.0	050.0000	0138.7	050.7	359.8	100.0000	0302.2	122.2	49.74
124.0	050.0000	0138.5	050.6	359.6	100.0000	0302.1	121.5	49.89
125.0	050.0000	0138.3	050.6	359.3	100.0000	0302.1	120.8	50.04
126.0	050.0000	0137.9	050.5	359.0	100.0000	0302.1	120.1	50.19
127.0	050.0000	0137.6	050.5	358.8	100.0000	0302.0	119.4	50.34
128.0	050.0000	0137.2	050.4	358.5	100.0000	0302.0	118.8	50.48
129.0	050.0000	0136.9	050.4	358.2	100.0000	0302.0	118.1	50.62
130.0	050.0000	0136.6	050.4	357.9	100.0000	0301.9	117.5	50.77
131.0	050.0000	0136.3	050.3	357.6	100.0000	0301.8	116.9	50.91
132.0	050.0000	0135.9	050.3	357.3	100.0000	0301.7	116.3	51.04
133.0	050.0000	0135.4	050.2	357.0	100.0000	0301.5	115.7	51.17
134.0	050.0000	0134.8	050.1	356.6	100.0000	0301.4	115.2	51.29
135.0	050.0000	0134.3	050.0	356.3	100.0000	0301.2	114.6	51.42
136.0	050.0000	0133.9	050.0	355.9	100.0000	0301.1	114.1	51.54
137.0	050.0000	0133.6	049.9	355.6	100.0000	0301.0	113.6	51.66
138.0	050.0000	0133.4	049.9	355.2	100.0000	0300.9	113.1	51.79
139.0	050.0000	0133.1	049.9	354.9	100.0000	0300.9	112.6	51.91
140.0	050.0000	0133.0	049.8	354.5	100.0000	0300.9	112.1	52.03

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
141.0	050.0000	0133.1	049.9	354.1	100.0000	0300.9	111.6	52.16
142.0	050.0000	0133.3	049.9	353.8	100.0000	0300.9	111.1	52.29
143.0	050.0000	0133.4	049.9	353.4	100.0000	0300.9	110.7	52.42
144.0	050.0000	0133.5	049.9	353.0	100.0000	0300.9	110.2	52.53
145.0	050.0000	0133.4	049.9	352.6	100.0000	0300.9	109.8	52.65
146.0	050.0000	0133.3	049.9	352.2	100.0000	0301.0	109.5	52.75
147.0	050.0000	0132.9	049.8	351.8	100.0000	0301.0	109.1	52.84
148.0	050.0000	0132.3	049.7	351.3	100.0000	0301.1	108.9	52.92
149.0	050.0000	0131.7	049.7	350.9	100.0000	0301.0	108.6	52.99
150.0	050.0000	0131.4	049.6	350.5	100.0000	0301.0	108.3	53.07
151.0	050.0000	0131.3	049.6	350.0	100.0000	0301.0	108.1	53.15
152.0	050.0000	0131.4	049.6	349.6	100.0000	0300.9	107.8	53.23
153.0	050.0000	0131.4	049.6	349.2	100.0000	0300.8	107.5	53.30
154.0	050.0000	0131.6	049.6	348.7	100.0000	0300.8	107.3	53.37
155.0	050.0000	0131.9	049.7	348.3	100.0000	0300.9	107.0	53.45
156.0	050.0000	0132.2	049.7	347.9	100.0000	0300.9	106.8	53.51
157.0	050.0000	0132.3	049.7	347.4	100.0000	0300.8	106.6	53.56
158.0	050.0000	0132.2	049.7	346.9	100.0000	0300.7	106.5	53.60
159.0	050.0000	0132.1	049.7	346.5	100.0000	0300.5	106.4	53.63
160.0	050.0000	0132.0	049.7	346.0	100.0000	0300.3	106.3	53.65
161.0	050.0000	0131.9	049.7	345.6	100.0000	0300.1	106.2	53.66
162.0	050.0000	0131.8	049.7	345.1	100.0000	0299.9	106.2	53.67
163.0	050.0000	0131.9	049.7	344.6	100.0000	0299.7	106.1	53.67
164.0	050.0000	0131.9	049.7	344.2	100.0000	0299.5	106.1	53.67
165.0	050.0000	0131.9	049.7	343.7	100.0000	0299.2	106.1	53.66
166.0	050.0000	0132.0	049.7	343.2	100.0000	0298.9	106.2	53.64
167.0	050.0000	0132.5	049.8	342.8	100.0000	0298.6	106.2	53.64
168.0	050.0000	0133.1	049.9	342.3	100.0000	0298.3	106.1	53.63
169.0	050.0000	0133.6	049.9	341.8	100.0000	0297.9	106.2	53.61
170.0	050.0000	0133.9	050.0	341.4	100.0000	0297.6	106.2	53.58
171.0	050.0000	0134.0	050.0	340.9	100.0000	0297.4	106.4	53.54
172.0	050.0000	0134.1	050.0	340.5	100.0000	0297.2	106.5	53.48
173.0	050.0000	0134.1	050.0	340.0	100.0000	0297.2	106.7	53.43
174.0	050.0000	0134.1	050.0	339.6	100.0000	0297.2	106.9	53.37
175.0	050.0000	0134.1	050.0	339.1	100.0000	0297.4	107.2	53.31
176.0	050.0000	0134.1	050.0	338.7	100.0000	0297.5	107.4	53.24
177.0	050.0000	0134.2	050.0	338.2	100.0000	0297.7	107.7	53.17
178.0	050.0000	0134.7	050.1	337.8	100.0000	0297.9	107.9	53.10
179.0	050.0000	0135.1	050.1	337.4	100.0000	0298.2	108.2	53.04
180.0	050.0000	0135.4	050.2	336.9	100.0000	0298.4	108.5	52.96
181.0	050.0000	0135.5	050.2	336.5	100.0000	0298.7	108.8	52.87
182.0	050.0000	0135.6	050.2	336.1	100.0000	0299.0	109.2	52.77
183.0	050.0000	0135.7	050.2	335.7	100.0000	0299.4	109.6	52.68
184.0	050.0000	0135.7	050.2	335.3	100.0000	0299.7	110.0	52.57
185.0	050.0000	0135.7	050.2	334.9	100.0000	0300.1	110.4	52.47
186.0	050.0000	0135.7	050.2	334.5	100.0000	0300.5	110.9	52.35
187.0	050.0000	0135.5	050.2	334.1	100.0000	0300.8	111.4	52.23
188.0	050.0000	0135.4	050.2	333.8	100.0000	0301.2	111.9	52.11
189.0	050.0000	0135.5	050.2	333.4	100.0000	0301.5	112.3	51.99
190.0	050.0000	0135.7	050.2	333.1	100.0000	0301.9	112.8	51.87
191.0	050.0000	0135.9	050.3	332.7	100.0000	0302.2	113.4	51.75

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
192.0	050.0000	0136.0	050.3	332.4	100.0000	0302.4	113.9	51.62
193.0	050.0000	0136.1	050.3	332.0	100.0000	0302.6	114.5	51.49
194.0	050.0000	0136.2	050.3	331.7	100.0000	0302.8	115.1	51.36
195.0	050.0000	0136.3	050.3	331.4	100.0000	0302.9	115.6	51.22
196.0	050.0000	0136.4	050.3	331.1	100.0000	0303.0	116.2	51.08
197.0	050.0000	0136.7	050.4	330.8	100.0000	0303.1	116.9	50.94
198.0	050.0000	0136.8	050.4	330.5	100.0000	0303.1	117.5	50.80
199.0	050.0000	0136.9	050.4	330.2	100.0000	0303.2	118.1	50.65
200.0	050.0000	0136.9	050.4	329.9	100.0000	0303.2	118.8	50.50
201.0	050.0000	0136.9	050.4	329.7	100.0000	0303.3	119.5	50.35
202.0	050.0000	0136.9	050.4	329.4	100.0000	0303.4	120.2	50.20
203.0	050.0000	0137.0	050.4	329.2	100.0000	0303.5	120.9	50.05
204.0	050.0000	0137.1	050.4	328.9	100.0000	0303.7	121.6	49.90
205.0	050.0000	0137.2	050.4	328.7	100.0000	0303.8	122.3	49.75
206.0	050.0000	0137.4	050.5	328.5	100.0000	0304.0	123.0	49.60
207.0	050.0000	0137.7	050.5	328.2	100.0000	0304.1	123.8	49.44
208.0	050.0000	0137.9	050.5	328.0	100.0000	0304.3	124.5	49.29
209.0	050.0000	0138.1	050.6	327.8	100.0000	0304.4	125.3	49.13
210.0	050.0000	0138.2	050.6	327.6	100.0000	0304.5	126.0	48.97
211.0	050.0000	0138.4	050.6	327.4	100.0000	0304.6	126.8	48.81
212.0	050.0000	0138.7	050.6	327.3	100.0000	0304.7	127.6	48.64
213.0	050.0000	0138.9	050.7	327.1	100.0000	0304.7	128.4	48.47
214.0	050.0000	0139.0	050.7	326.9	100.0000	0304.8	129.2	48.30
215.0	050.0000	0139.2	050.7	326.8	100.0000	0304.8	130.0	48.13
216.0	050.0000	0139.4	050.7	326.6	100.0000	0304.8	130.8	47.95
217.0	050.0000	0139.8	050.8	326.5	100.0000	0304.8	131.6	47.78
218.0	050.0000	0140.1	050.8	326.4	100.0000	0304.7	132.5	47.60
219.0	050.0000	0140.3	050.9	326.2	100.0000	0304.7	133.3	47.42
220.0	050.0000	0140.5	050.9	326.1	100.0000	0304.7	134.2	47.23
221.0	050.0000	0140.8	050.9	326.0	100.0000	0304.7	135.0	47.05
222.0	050.0000	0141.2	051.0	325.9	100.0000	0304.6	135.8	46.87
223.0	050.0000	0141.5	051.0	325.8	100.0000	0304.6	136.7	46.68
224.0	050.0000	0141.7	051.1	325.7	100.0000	0304.5	137.6	46.50

KKBJ-FM BLH20030825AFX  
 Channel = 279C1  
 Max ERP = 100 kW  
 RCAMSL = 718.7 M  
 N. Lat. 47 33 21.0  
 W. Lng. 94 48 04.0  
 Protected  
 60 dBu

KRXW(New)  
 Channel = 278C2  
 Max ERP = 50 kW  
 RCAMSL = 470.8 M  
 N. Lat. 48 54 10.0  
 W. Lng. 95 22 38.1  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
284.0	100.0000	0290.3	071.6	191.5	050.0000	0136.0	135.1	40.14
285.0	100.0000	0290.8	071.7	191.5	050.0000	0136.0	133.9	40.38
286.0	100.0000	0291.4	071.7	191.5	050.0000	0136.0	132.6	40.63
287.0	100.0000	0291.8	071.7	191.5	050.0000	0136.0	131.4	40.87
288.0	100.0000	0292.3	071.8	191.4	050.0000	0136.0	130.1	41.11
289.0	100.0000	0292.6	071.8	191.4	050.0000	0136.0	128.9	41.35
290.0	100.0000	0292.8	071.8	191.3	050.0000	0136.0	127.6	41.58
291.0	100.0000	0293.2	071.8	191.2	050.0000	0135.9	126.4	41.81
292.0	100.0000	0293.8	071.9	191.1	050.0000	0135.9	125.2	42.04
293.0	100.0000	0294.6	072.0	191.0	050.0000	0135.9	123.9	42.27
294.0	100.0000	0295.3	072.0	190.9	050.0000	0135.9	122.7	42.49
295.0	100.0000	0295.7	072.0	190.8	050.0000	0135.9	121.4	42.72
296.0	100.0000	0295.9	072.1	190.7	050.0000	0135.8	120.2	42.94
297.0	100.0000	0296.0	072.1	190.5	050.0000	0135.8	119.0	43.16
298.0	100.0000	0296.4	072.1	190.3	050.0000	0135.8	117.8	43.37
299.0	100.0000	0296.8	072.1	190.2	050.0000	0135.7	116.6	43.59
300.0	100.0000	0297.2	072.2	190.0	050.0000	0135.7	115.4	43.82
301.0	100.0000	0297.6	072.2	189.8	050.0000	0135.7	114.2	44.04
302.0	100.0000	0297.9	072.2	189.5	050.0000	0135.6	113.0	44.26
303.0	100.0000	0298.2	072.2	189.3	050.0000	0135.6	111.9	44.48
304.0	100.0000	0298.5	072.3	189.0	050.0000	0135.5	110.7	44.71
305.0	100.0000	0298.8	072.3	188.8	050.0000	0135.5	109.6	44.94
306.0	100.0000	0299.1	072.3	188.5	050.0000	0135.4	108.4	45.18
307.0	100.0000	0299.5	072.3	188.2	050.0000	0135.4	107.3	45.42
308.0	100.0000	0300.0	072.4	187.8	050.0000	0135.5	106.2	45.67
309.0	100.0000	0300.7	072.4	187.5	050.0000	0135.5	105.1	45.92
310.0	100.0000	0301.4	072.5	187.2	050.0000	0135.5	104.0	46.17
311.0	100.0000	0302.1	072.5	186.8	050.0000	0135.6	102.9	46.43
312.0	100.0000	0302.8	072.6	186.4	050.0000	0135.6	101.8	46.69
313.0	100.0000	0303.5	072.6	186.0	050.0000	0135.6	100.8	46.95
314.0	100.0000	0303.8	072.7	185.6	050.0000	0135.7	099.8	47.20
315.0	100.0000	0304.0	072.7	185.1	050.0000	0135.7	098.8	47.45
316.0	100.0000	0303.9	072.7	184.6	050.0000	0135.7	097.8	47.70
317.0	100.0000	0303.9	072.7	184.1	050.0000	0135.7	096.9	47.95

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
318.0	100.0000	0303.8	072.7	183.6	050.0000	0135.7	096.0	48.19
319.0	100.0000	0303.6	072.7	183.1	050.0000	0135.7	095.1	48.43
320.0	100.0000	0303.2	072.6	182.5	050.0000	0135.6	094.2	48.66
321.0	100.0000	0302.8	072.6	181.9	050.0000	0135.5	093.4	48.88
322.0	100.0000	0302.6	072.6	181.3	050.0000	0135.5	092.6	49.10
323.0	100.0000	0302.8	072.6	180.7	050.0000	0135.4	091.8	49.32
324.0	100.0000	0303.4	072.6	180.1	050.0000	0135.4	091.0	49.54
325.0	100.0000	0304.1	072.7	179.4	050.0000	0135.3	090.2	49.76
326.0	100.0000	0304.7	072.7	178.8	050.0000	0135.0	089.5	49.96
327.0	100.0000	0304.7	072.7	178.1	050.0000	0134.7	088.8	50.13
328.0	100.0000	0304.3	072.7	177.4	050.0000	0134.3	088.2	50.29
329.0	100.0000	0303.6	072.7	176.6	050.0000	0134.2	087.7	50.45
330.0	100.0000	0303.2	072.6	175.9	050.0000	0134.1	087.1	50.60
331.0	100.0000	0303.0	072.6	175.1	050.0000	0134.1	086.6	50.76
332.0	100.0000	0302.6	072.6	174.3	050.0000	0134.1	086.1	50.89
333.0	100.0000	0301.9	072.5	173.5	050.0000	0134.1	085.7	51.01
334.0	100.0000	0301.0	072.5	172.7	050.0000	0134.1	085.3	51.12
335.0	100.0000	0300.0	072.4	171.9	050.0000	0134.1	085.0	51.21
336.0	100.0000	0299.1	072.3	171.0	050.0000	0134.0	084.7	51.29
337.0	100.0000	0298.4	072.3	170.2	050.0000	0133.9	084.5	51.36
338.0	100.0000	0297.8	072.2	169.4	050.0000	0133.8	084.3	51.42
339.0	100.0000	0297.4	072.2	168.5	050.0000	0133.4	084.1	51.46
340.0	100.0000	0297.2	072.2	167.6	050.0000	0132.9	083.9	51.49
341.0	100.0000	0297.4	072.2	166.8	050.0000	0132.3	083.7	51.51
342.0	100.0000	0298.0	072.2	165.9	050.0000	0132.0	083.6	51.54
343.0	100.0000	0298.7	072.3	165.1	050.0000	0131.9	083.4	51.57
344.0	100.0000	0299.4	072.3	164.2	050.0000	0131.9	083.4	51.59
345.0	100.0000	0299.8	072.4	163.3	050.0000	0131.9	083.4	51.60
346.0	100.0000	0300.3	072.4	162.5	050.0000	0131.9	083.4	51.59
347.0	100.0000	0300.8	072.4	161.6	050.0000	0131.8	083.4	51.58
348.0	100.0000	0300.9	072.5	160.7	050.0000	0131.9	083.6	51.54
349.0	100.0000	0300.8	072.4	159.9	050.0000	0132.1	083.7	51.49
350.0	100.0000	0301.0	072.5	159.0	050.0000	0132.1	084.0	51.44
351.0	100.0000	0301.0	072.5	158.2	050.0000	0132.2	084.2	51.36
352.0	100.0000	0301.0	072.5	157.3	050.0000	0132.2	084.5	51.28
353.0	100.0000	0300.9	072.5	156.5	050.0000	0132.3	084.8	51.18
354.0	100.0000	0300.9	072.5	155.7	050.0000	0132.1	085.2	51.07
355.0	100.0000	0300.9	072.5	154.9	050.0000	0131.9	085.6	50.93
356.0	100.0000	0301.1	072.5	154.1	050.0000	0131.6	086.1	50.79
357.0	100.0000	0301.5	072.5	153.3	050.0000	0131.5	086.5	50.65
358.0	100.0000	0301.9	072.5	152.5	050.0000	0131.4	087.0	50.51
359.0	100.0000	0302.1	072.5	151.8	050.0000	0131.4	087.6	50.35
000.0	100.0000	0302.2	072.6	151.0	050.0000	0131.3	088.2	50.18
001.0	100.0000	0302.1	072.5	150.3	050.0000	0131.4	088.8	50.00
002.0	100.0000	0301.7	072.5	149.6	050.0000	0131.5	089.5	49.81
003.0	100.0000	0301.3	072.5	148.9	050.0000	0131.8	090.2	49.62
004.0	100.0000	0301.1	072.5	148.3	050.0000	0132.1	090.9	49.43
005.0	100.0000	0300.9	072.5	147.6	050.0000	0132.5	091.7	49.23
006.0	100.0000	0300.6	072.4	147.0	050.0000	0132.9	092.5	49.03
007.0	100.0000	0300.3	072.4	146.4	050.0000	0133.2	093.3	48.81
008.0	100.0000	0300.4	072.4	145.8	050.0000	0133.3	094.1	48.59



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
009.0	100.0000	0300.6	072.4	145.3	050.0000	0133.4	095.0	48.36
010.0	100.0000	0300.7	072.4	144.7	050.0000	0133.4	095.9	48.13
011.0	100.0000	0300.9	072.5	144.2	050.0000	0133.5	096.8	47.89
012.0	100.0000	0301.0	072.5	143.7	050.0000	0133.5	097.7	47.65
013.0	100.0000	0301.4	072.5	143.2	050.0000	0133.5	098.6	47.41
014.0	100.0000	0302.1	072.5	142.7	050.0000	0133.4	099.6	47.16
015.0	100.0000	0302.7	072.6	142.2	050.0000	0133.3	100.5	46.92
016.0	100.0000	0303.2	072.6	141.7	050.0000	0133.2	101.5	46.67
017.0	100.0000	0303.3	072.6	141.3	050.0000	0133.1	102.6	46.42
018.0	100.0000	0302.9	072.6	140.9	050.0000	0133.1	103.6	46.17
019.0	100.0000	0302.2	072.5	140.6	050.0000	0133.0	104.7	45.91
020.0	100.0000	0301.2	072.5	140.2	050.0000	0133.0	105.9	45.66
021.0	100.0000	0300.7	072.4	139.9	050.0000	0133.0	107.0	45.41
022.0	100.0000	0300.5	072.4	139.6	050.0000	0133.0	108.1	45.17
023.0	100.0000	0300.4	072.4	139.3	050.0000	0133.1	109.2	44.93
024.0	100.0000	0300.1	072.4	139.0	050.0000	0133.1	110.4	44.70
025.0	100.0000	0299.6	072.4	138.7	050.0000	0133.2	111.5	44.47
026.0	100.0000	0299.1	072.3	138.5	050.0000	0133.2	112.7	44.24
027.0	100.0000	0298.5	072.3	138.3	050.0000	0133.3	113.9	44.02
028.0	100.0000	0298.1	072.2	138.1	050.0000	0133.4	115.1	43.80
029.0	100.0000	0298.0	072.2	137.8	050.0000	0133.4	116.3	43.58
030.0	100.0000	0298.5	072.3	137.6	050.0000	0133.5	117.5	43.37
031.0	100.0000	0298.9	072.3	137.4	050.0000	0133.5	118.7	43.15
032.0	100.0000	0299.1	072.3	137.2	050.0000	0133.6	119.9	42.93
033.0	100.0000	0299.2	072.3	137.1	050.0000	0133.6	121.1	42.71
034.0	100.0000	0299.2	072.3	136.9	050.0000	0133.7	122.3	42.49
035.0	100.0000	0299.3	072.3	136.8	050.0000	0133.7	123.5	42.27
036.0	100.0000	0299.4	072.3	136.7	050.0000	0133.7	124.8	42.05
037.0	100.0000	0299.6	072.4	136.5	050.0000	0133.8	126.0	41.82
038.0	100.0000	0299.9	072.4	136.4	050.0000	0133.8	127.3	41.59
039.0	100.0000	0300.5	072.4	136.3	050.0000	0133.8	128.5	41.36
040.0	100.0000	0301.0	072.5	136.2	050.0000	0133.9	129.8	41.12
041.0	100.0000	0301.2	072.5	136.2	050.0000	0133.9	131.0	40.88
042.0	100.0000	0301.2	072.5	136.1	050.0000	0133.9	132.3	40.63
043.0	100.0000	0301.1	072.5	136.1	050.0000	0133.9	133.6	40.39
044.0	100.0000	0301.1	072.5	136.0	050.0000	0133.9	134.8	40.14

Exhibit #31

R.F. EMISSIONS COMPLIANCE STATEMENT

**Minnesota Public Radio**  
Minor Modification to Construction Permit  
KRXW  
BNPH-20060302ACR  
Roseau, MN

July 2007

CH 278C2

50 kW H & V

The proposed ten-bay, circularly polarized antenna will be energized such that it produces 50 kW effective radiated power from a center of radiation of 134 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, 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 Controlled area	% of maximum Uncontrolled area
Jampro (#2)	13.4244	1.3424	6.7122
ERI (#3)	5.7520	0.5752	2.876
Dielectric (#5)	15.3409	1.5341	7.6705
Shively (#6)	0.9587	0.0959	0.4794
Dielectric DCRM (#7)	6.3626	0.6363	3.1813
Dielectric DCRQ (#8)	9.6576	0.9658	4.8288

There are two other sources of RF on the tower. WPQH795 is classified Industrial Business Pool/Trunked and WPYY873 is Industrial Business Pool/Conventional. Both operations are regulated under Part 90 of FCC Rules for Private Land Mobile Radio Services. Table 2 of OET Bulletin No. 65 states that these operations are not subject to RF emissions evaluation if the antenna height is greater than 10 meters and power is less than 1000 watts. WPQH795 transmits 300 watts at a height of 151 meters. WPYY873 transmits 123 watts at a height of 150.8 meters. These transmitters are therefore categorically excluded from evaluation.

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 antennae listed above, will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.