

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0386 (July 2002)	FOR FCC USE ONLY
<b>Engineering STA</b>		FOR COMMISSION USE ONLY FILE NO. BSTA - 20140514ADN
Read Instructions/FAQ 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 No 0002642510	Call Sign KRSW
	Facility ID Number 42958	
2.	Contact Representative (if other than licensee/permittee) TODD M STANSBURY	
	Firm or Company Name WILEY REIN LLP	
	Mailing Address 1776 K STREET NW	
	City WASHINGTON	State or Country (if foreign address) DC
	Zip Code 20006 -	
	Telephone Number (include area code) 2027194948	E-Mail Address (if available) TSTANSBURY@WILEYREIN.COM
3.	Purpose:	
	<input checked="" type="radio"/> Engineering STA	
	<input type="radio"/> Extension of Existing Engineering STA	
	<input type="radio"/> Legal STA	
	<input type="radio"/> Extension of Existing Legal STA	
4.	Service: FM	
5.	Community of License: City: WORTHINGTON State: MN	
6.	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"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)	

**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**

7.0.	STA is requested for use of
	<input type="radio"/> Licensed Antenna system with:
	<input checked="" type="radio"/> Reduced power
	<input type="radio"/> Reduced hours of operation
	<input type="radio"/> Required equipment out of service

Other variance [Exhibit 1]

Antenna system authorized by Construction Permit:  
Describe requested modes of operation [Exhibit 2]

Other antenna system: (Complete Items 7.1 - 7.11)

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7.1. Channel Number: 207

7.2. Antenna Location Coordinates: (NAD 27)

Latitude:  
Degrees 43 Minutes 53 Seconds 1  North  South

Longitude:  
Degrees 95 Minutes 55 Seconds 44  West  East

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7.3. Antenna Structure Registration Number: 1024631  
 Not Applicable  Notification filed with FAA

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7.4. Overall Tower Height Above Ground Level:	214meters	
7.5. Height of Radiation Center Above Mean Sea Level:	689 meters(H)	689 meters(V)
7.6. Height of Radiation Center Above Ground Level:	131meters(H)	131meters(V)
7.7. Height of Radiation Center Above Average Terrain:	689meters(H)	689meters(V)
7.8. Effective Radiated Power:	7.4 kW(H)	7.4 kW(V)
7.9. Maximum Effective Radiated Power: <input checked="" type="checkbox"/> Not Applicable (Beam-Tilt Antenna ONLY)	kW(H)	kW(V)

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7.10. 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											

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7.11. **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 Appendix A, 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.

Yes  No

See Explanation in [Exhibit 3]

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8. Please explain in detail the "extraordinary circumstances" which warrant temporary operations at variance from the Commission's Rules. In addition, please specify 1)the specific rules and/or policies from which the applicant seeks temporary relief; 2) how the public interest will be furthered by grant; and 3) the expected duration of the STA and the licensee's plan for restoration of licensed operation. If requesting variance with other than authorized technical facilities, please specify the exact facilities sought.

[Exhibit 4]

9. 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
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I certify that I have prepared 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 MICHAEL HENDRICKSON	Relationship to Applicant (e.g., Consulting Engineer) CHIEF ENGINEER	
Signature	Date (mm/dd/yyyy) 5/14/2014	
Mailing Address MINNESOTA PUBLIC RADIO 480 CEDAR STREET		
City ST. PAUL	State or Country (if foreign address) MN	Zip Code 55101 -
Telephone Number (No dashes or parentheses, include area code) 6512901328	E-Mail Address (if available) MHENDRICKSON@MPR.ORG	

I hereby 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.

Typed or Printed Name of Person Signing THOMAS J KIGIN	Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT	
Signature	Date (mm/dd/yyyy) 5/14/2014	

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).

## Exhibits

### Exhibit 3

**Description:** RF RADIATION

KRSW WILL BE TRANSMITTING FROM A SINGLE SECTION ERI SHP ANTENNA INSTALLED 131 METERS ABOVE GROUND. THE EFFECTIVE RADIATED POWER FOR THE STATION WILL BE 7.4 KW HORIZONTAL AND VERTICAL. ACCORDING TO THE V-SOFT PROGRAM RFHAZ, THE MAXIMUM RF EXPOSURE FOR AN UNCONTROLLED EXPOSURE IS UNDER 3.5% OF THE MAXIMUM PERMITTED BY THE FCC RULES. THIS MAXIMUM EXPOSURE WILL OCCUR AT A DISTANCE OF ABOUT 6.3 METERS FROM THE TOWER BASE.

### Attachment 3

### Exhibit 4

**Description:** REDUCED POWER EXPLANATION

KRSW HAS BEEN OPERATING AT APPROXIMATELY 8% OF ITS AUTHORIZED POWER SINCE MAY 6, 2014. HIGH WINDS HAVE DAMAGED TWO ANTENNA BAYS. PARTS HAVE BEEN ORDERED AND REPAIRS WILL BE MADE AS SOON AS POSSIBLE.

THE STATION IS USING A TEMPORARY ANTENNA AT APPROXIMATELY THE SAME HEIGHT ABOVE AVERAGE TERRAIN AS THE LICENSED ANTENNA. THE TEMPORARY ANTENNA IS NON DIRECTIONAL. HOWEVER, THE 60 DBU CONTOUR OF THE TEMPORARY ANTENNA DOES NOT EXCEED THE 60 DBU CONTOUR OF THE LICENSED ANTENNA

IN ANY DIRECTION.

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**Attachment 4**

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