

Section II - Legal

<p>1. Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>												
<p>2. Applicant is:</p> <table border="1" style="width:100%"> <tr> <td><input type="radio"/> an individual</td> <td><input type="radio"/> a general partnership</td> <td><input type="radio"/> a for-profit corporation</td> </tr> <tr> <td><input type="radio"/> a limited partnership</td> <td><input checked="" type="radio"/> a not-for-profit corporation</td> <td><input type="radio"/> a limited liability company (LLC/LC)</td> </tr> <tr> <td colspan="3"><input type="radio"/> other</td> </tr> <tr> <td colspan="2">a. If "other", describe nature of applicant in an Exhibit.</td> <td>[Exhibit 2]</td> </tr> </table>		<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation	<input type="radio"/> a limited partnership	<input checked="" type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)	<input type="radio"/> other			a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]
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<input type="radio"/> a limited partnership	<input checked="" type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)											
<input type="radio"/> other													
a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]											
<p>3. a. Applicant certifies that it is not the licensee or permittee of the commercial primary station being rebroadcast and that neither it nor any parties to the application have any interest in or connection with the commercial primary station being rebroadcast? See 47 C.F.R. Section 74.1232(d).</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 3]</p>												
<p>b. Applicant certifies that the coverage contour of the translator station will not extend beyond the protected contour of the commercial primary station being rebroadcast.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 4]</p>												
<p>NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing. See 47 C.F.R. Section 74.1232(d).</p> <p>If No to a. and Yes to b. applicant is prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).</p>													
<p>4. The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protected contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest in or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e).</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 5]</p>												
<p>5. For applicants proposing translator rebroadcasts that are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted. If No, this application is unacceptable for filing.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p>												
<p>6. Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>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</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6]</p>												
<p>7. Adverse Findings. Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.</p> <p>If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7]</p>												

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 date of filing; and (ii) the disposition of the previously reported matter.	
8. Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]
9. Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	<input checked="" type="radio"/> Yes <input type="radio"/> No
10. Local Public Notice. 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
11. Auction Authorization. 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. An exhibit is required unless this question is inapplicable.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A See Explanation in [Exhibit 9]
12. 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
13. Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A

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 5/5/2006

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 MICHAEL HENDRICKSON	Relationship to Applicant (e.g., Consulting Engineer) CHIEF OF NETWORK ENGINEERING	
Signature	Date 5/3/2006	
Mailing Address MINNESOTA PUBLIC RADIO 480 CEDAR STREET		
City ST. PAUL	State or Country (if foreign address) MN	Zip Code 55101 -

Telephone Number (include area code)
6512901328

E-Mail Address (if available)
MHENDRICKSON@MPR.ORG

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

Section III-A - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel: 248

2. Primary Station:

Call Sign	City	State	Channel
KCMP	NORTHFIELD	MN	207

3. Delivery Method (Select One):
 Off-air Microwave Satellite Via Other

4. Antenna Location Coordinates: (NAD 27)

Latitude:
 Degrees 46 Minutes 0 Seconds 51 North South

Longitude:
 Degrees 92 Minutes 56 Seconds 35 West East

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

6. Antenna Location Site Elevation Above Mean Sea Level: 315 meters

7. Overall Tower Height Above Ground Level: 46 meters

8. Height of Radiation Center Above Ground Level: 45 meters(H) 45 meters(V)

9. Effective Radiated Power: 0.055 kW(H) 0.055 kW(V)

10. Transmitting Antenna:
 Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under [CDBS Public Access](http://svartifoss2.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm) (http://svartifoss2.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.
 Nondirectional Directional "Off-the-shelf" Directional composite
 Manufacturer ERI Model 100
 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

11. For FM Boosters and Fill-in translators only. Applicant certifies that the proposal is for a fill-in translator or booster station entirely within the primary station's protected contour. Yes No N/A

		See Explanation in [Exhibit 10];
12.	<p>Interference. The proposed facility complies with all of the following applicable rule sections. Check all that apply:</p> <p>Overlap Requirements. <input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204 Exhibit Required.</p> <p>Television Channel 6 Protection. <input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) Exhibit Required.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 11]</p> <p>[Exhibit 12]</p> <p>[Exhibit 13]</p>
13.	<p>Unattended operation. Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 14]</p>
14.	<p>Multiple Translators. Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 15]</p>
15.	<p>Environmental Protection Act. Applicant certifies that 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.</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 16]</p>
<p>PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.</p>		

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

<p>Preliminary Matter: Does this application provide fill-in service only?</p>		<p><input type="radio"/> Yes <input type="radio"/> No</p>
1.	<p>Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
2.	<p>Diversity of Ownership: Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
3.	<p>State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b) (3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
4.	<p>Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>

(increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude the station's existing service area). (Points, if any, will be determined by FCC)	
New (increased) area served in square kilometers (excluding areas of water):	
Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
Tie Breakers	
<p>5. Existing Authorizations. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations.</p> <p>(number of attributable commercial and non-commercial licenses and construction permits)</p> <p>b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.</p>	
<p>6. Pending Applications. a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations.</p> <p>(number of attributable commercial and non-commercial applications)</p> <p>b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.</p>	

Section VI – Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)	
Typed or Printed Name of Person Signing THOMAS J KIGIN	Typed or Printed Title of Person Signing EXECUTIVE VICE PRESIDENT
Signature	Date 04/17/2006

Exhibits

Exhibit 1

Description: EXH. 1 / W248AS AMENDMENT

THIS AMENDMENT IS FILED TO SUPPLY ADDITIONAL INFORMATION REGARDING RF RADIATION EXPOSURE AT THE PROPOSED SITE, RESPONSIVE TO SEC. III-A, ITEM 15.

THE PRIMARY STATION FOR THIS FACILITY IS BEING CHANGED TO KCMP FM, WHICH IS ALSO LICENSED TO THE APPLICANT.

Attachment 1

Attachment 12

Description
Exhibit #12, Overlap Requirements

Exhibit 16

Description: EXH. 16 / W248AS AMENDMENT

THE PROPOSED SITE IS ON THE TOP OF A WATER TOWER OWNED BY THE CITY OF HINCKLEY. ACCESS TO THE TOP OF THE WATER TOWER IS LOCKED, AND ONLY WORKERS APPROVED BY THE CITY OF HINCKLEY ARE PERMITTED ACCESS. THE APPLICANT HAS AGREED THAT ITS STATIONS WILL BE TURNED OFF AT ANY TIME WHEN WORK IS TO BE CONDUCTED AT THE TOP OF THE WATER TOWER WITHIN THE AREA WHERE WORKERS WOULD LIKELY BE EXPOSED TO EXCESSIVE RF RADIATION. EXCESS EXPOSURE WOULD ONLY AFFECT WORKERS IN THE CONTROLLED ACCESS AREA.

Attachment 16

Description
Exhibit #16, RF Emissions Compliance Statement

Exhibit #12

Minnesota Public Radio
Hinckley, MN Channel 248

REFERENCE CH# 248D - 97.5 MHz, Pwr= 0.055 kw, HAAT=45.7 M, COR= 360 M
46 00 51 N. Average Protected F(50-50)= 5.97 km
92 56 35 W. Ave. F(50-10) 40 dBu= 19.9 54 dBu= 8.5 80 dBu= 2.0 100 dBu= .5

DISPLAY DATES
DATA 04-06-06
SEARCH 04-06-06

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*OUT* (Overlap in km)
248D Hinckley	w248AS	CP MN	139.1 319.2	5.52 BNPFT20030827AMQ	45 58 36 92 53 47	0.027 36	365 14.1	4.4 Minnesota Public Radio	-22.82<
251C St. Cloud	WWJO	LIC MN	255.6 74.8	87.00 BLH19890117KF	45 48 52 94 01 38	100.000 283	669 9.8	71.0 Regent Licensee Of St. Clo	15.47
246C Minneapolis	KTCZFM	LIC MN	187.6 7.5	107.17 BLH19910814KC	45 03 30 93 07 27	100.000 317	593 10.4	73.7 Amfm Broadcasting Licenses	32.97
248D Albertville	K248BK	CP MN	207.4 27.0	103.42 BNPFT20030829ACP	45 11 13 93 33 00	0.070 101	374 31.8	9.5 Educational Media Foundati	70.81
247C2 Duluth	KDNW	LIC MN	36.0 216.6	106.98 BLED19921230KC	46 47 20 92 07 04	40.000 261	474 88.5	60.2 Northwestern College	38.42
248C1 Park Rapids	KDKK	LIC MN	303.6 122.1	188.48 BLH20040901AAA	46 55 51 95 00 27	100.000 200	631 161.8	63.8 De La Hunt Broadcasting Co	109.19
249C3 Barron	WAQEFM	LIC WI	119.7 300.5	105.90 BLH20010412AAH	45 32 16 91 45 50	15.500 56	455 42.7	26.9 Tkc, Inc.	68.60
245C1 Grand Rapids	KMFY	LIC MN	345.0 164.6	142.94 BLH19820201AJ	47 15 17 93 26 03	100.000 160	551 7.3	59.8 Itasca Broadcasting, Inc.	82.65
248C Rochester	KNXR	LIC MN	167.6 348.0	224.36 BLH19990505KB	44 02 28 92 20 25	100.000 319	671 174.2	73.8 United Audio Corporation	127.33

ERP and HAAT are on direct line to and from reference station.
Incoming contour overlap is ignored.
"*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

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 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. (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 outgoing interference. Negative distance figures in this column indicate outgoing overlap 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.

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.

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" or "Z" (Sec. 73.215) if the facility is directional. 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.

N. Lat. = 46 00 51 W. Lng. = 92 56 35
 HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.
 W248AS - Minor change application

Azi.	AV EL	HAAT	ERP kw	dBk	Field	34-F1
000	339.0	21.0	0.0550	-12.60	1.000	22.96
030	316.2	43.8	0.0550	-12.60	1.000	27.60
060	312.7	47.3	0.0550	-12.60	1.000	28.74
090	303.0	57.0	0.0550	-12.60	1.000	31.88
120	292.0	68.0	0.0550	-12.60	1.000	35.09
150	294.8	65.2	0.0550	-12.60	1.000	34.31
180	299.1	60.9	0.0550	-12.60	1.000	33.10
210	299.3	60.7	0.0550	-12.60	1.000	33.05
240	313.8	46.2	0.0550	-12.60	1.000	28.38
270	327.5	32.5	0.0550	-12.60	1.000	23.79
300	336.9	23.1	0.0550	-12.60	1.000	22.96
330	336.7	23.3	0.0550	-12.60	1.000	22.96

Ave E \bar{l} = 314.25 M HAAT = 45.75 M AMSL = 360 M

EXHIBIT #16

R.F. EMISSION COMPLIANCE STATEMENT

Minnesota Public Radio
W248AS
BNPFT-20030827AMQ
Channel 248 – 0.055 kW H & V
Hinckley, Minnesota
April 2006

The applicant proposes to mount two 10' masts atop a 140' water tower. One antenna will be mounted on each mast. Each ERI 100 antenna will have 2 individual translator frequencies di-plexed through it. The total ERP of all 4 translators is 0.220 kW. The center of radiation is 45 meters. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 1-bay ERI 100 (Type #3) antenna is 0.2385 microwatts per square centimeter, which is 0.0239 percent of the maximum for a controlled area and 0.1193 percent of maximum for an uncontrolled area.

Since the predicted level of emissions is less than 5% of maximum, no further calculations were deemed necessary.

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

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