

2011

Federal Communications Commission Washington, D.C. 20554 Approved by OMB 3060-0405 (October 2009)		FCC 349	
APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN AN FM TRANSLATOR OR FM BOOSTER STATION		Read INSTRUCTIONS Before Filling Out Form	
FOR FCC USE ONLY		FOR COMMISSION USE ONLY FILE NO. - 20110112AAT	

Section I - General Information

1. Legal Name of the Applicant AASEN PUBLISHING, INC.		Mailing Address 11 MAIN STREET	
City RAPID CITY		State or Country (if foreign address) SD	
ZIP Code 57701 -		E-Mail Address (if available) CARSON@RUSHMORE.COM	
Telephone Number (include area code) 6053435802		FCC Registration Number: 0018117978	
Call Sign K294BT		Facility Identifier 141264	
Contact Representative (if other than Applicant) DAWN M. SCIARRINO, ESQ.		Firm or Company Name SCIARRINO & SHUBERT, PLLC	
Mailing Address 5425 TREE LINE DRIVE		City CENTREVILLE	
State or Country (if foreign address) VA		ZIP Code 20120 -	
Telephone Number (include area code) 2023509658		E-Mail Address (if available) DAWN@SCIARRINOLAW.COM	

2. 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 type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other	
3. Facility information: a. <input type="radio"/> FM Translator <input type="radio"/> FM Booster b. Community or communities to which the proposed facility will be licensed:	

4. Application Purpose <input 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	
5. If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised. [Exhibit 1]	

NOTE: 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. See General Instruction J.

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"> <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 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> </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 type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)	<input type="radio"/> other		
<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 type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)									
<input type="radio"/> other											
<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 checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 3]</p> <p>b. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>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 Yes to (a) and No 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, 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 checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>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 checked="" type="radio"/> Yes <input type="radio"/> No <input 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</p> <p>See Explanation in [Exhibit 6]</p>											
<p>7. Adverse Findings. Applicant certifies that, with respect to the application,</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>											

See Explanation in [Exhibit 7]	<p>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 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.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]	<p>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.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>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.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>10. Local Public Notice. Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 9]	<p>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.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>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.</p>
<input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 9]	<p>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.</p>

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 CARSON AASEN Typed or Printed Title of Person Signing PRESIDENT	Signature Date 12/31/2010
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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.

Relationship to Applicant (e.g., Consulting Engineer)	Name
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EDWARD P, DE LA HUNT		CONSULTANT	
Signature		Date 12/28/2010	
Mailing Address 17487 DRIFTWOOD LANE PARK RAPIDS			
City PARK RAPIDS		State or Country (if foreign address) MN Zip Code 56470 -	
Telephone Number (include area code) 7038876000		E-Mail Address (if available) EDDELAHUNT@UNITBLC.COM	

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

Section 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: 294	
2. Primary Station:	
Facility ID Number	66820
Call Sign	KIMM
City	RAPID CITY
State	SD

3. Delivery Method (Select One):	
<input type="radio"/> Off-air <input type="radio"/> Microwave <input type="radio"/> Satellite <input type="radio"/> Via <input type="radio"/> Other	
4. Antenna Location Coordinates: (NAD 27)	
Latitude:	Degrees 44 Minutes 4 Seconds 0 North South
Longitude:	Degrees 103 Minutes 15 Seconds 1 West East
5. Antenna Structure Registration Number: 1042276	
<input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA	
6. Antenna Location Site Elevation Above Mean Sea Level:	
1133 meters	
7. Overall Tower Height Above Ground Level:	
191 meters	
8. Height of Radiation Center Above Ground Level:	
89 meters(H) 89 meters(V)	
9. Effective Radiated Power:	
0.25 kW(H) 0.25 kW(V)	

10. Transmitting Antenna:	
Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access (http://licensing.fcc.gov/prod/cdbspubacc/prod/cdbspubacc.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.	
<input checked="" type="radio"/> Nondirectional <input type="radio"/> Directional "Off-the-shelf" <input type="radio"/> Directional composite	
Manufacturer SHI Model 6812-1	
Rotation:degrees <input type="checkbox"/> 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	240	300	Additional Azimuths
190	250	310	
200	260	320	
210	270	330	
220	280	340	
230	290	350	

Relative Field Polar Plot

<p>11. For FM Boosters and Fill-in translators only.</p> <p>a. FM Fill-in translators. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.</p> <p>b. FM Boosters. Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.</p> <p>See Explanation in [Exhibit 10] <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 11] <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	
<p>12. Interference. The proposed facility complies with all of the following applicable rule sections. Check all that apply:</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 12]</p>	<p>Overlap Requirements.</p> <p><input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204 Exhibit Required.</p> <p><input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) Exhibit Required.</p> <p>See Explanation in [Exhibit 13]</p>
<p>13. 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>See Explanation in [Exhibit 15]</p>	<p>14. 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>See Explanation in [Exhibit 16]</p>
<p>15. 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>See Explanation in [Exhibit 17] <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.</p>

Only (used to select among mutually exclusive applications for new stations and major modifications) NOTE: Applicants will not receive any additional points for amendments made after the close of the application filing window.

1. Established Local Applicant: Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.		<input checked="" type="radio"/> Yes <input type="radio"/> No
2. 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.		<input type="radio"/> Yes <input checked="" type="radio"/> No
3. State-wide Network: Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b) (3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.		<input type="radio"/> Yes <input checked="" type="radio"/> No
4. Technical Parameters: Applicant certifies that the numbers in the boxes below accurately reflect the new (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)		<input type="radio"/> Yes <input checked="" type="radio"/> No
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:		
The Breakers		
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, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations.		
(number of attributable commercial and non-commercial permits)		
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.		
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.		
(number of attributable commercial and non-commercial applications)		
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.		

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	Typed or Printed Title of Person Signing
CARSON AASEN	PRESIDENT
Signature	Date
	12/31/2010

Exhibits

Exhibit 3

Description: FILL-IN FOR KIMM(AM)
FILL-IN FOR CO-OWNED KIMM(AM).

Attachment 3

Exhibit 10

Description: KIMM 2M/M VS 60 DBU OF K294BT
THE PROPOSED 60 DBU CONTOUR OF K294BT WILL BE FULLY ENCOMPASSED BY THE 2 M/M CONTOUR OF KIMM-AM AND THE PROPOSED TRANSLATOR TRANSMITTER SITE IS WITHIN 25 MILES OF THE KIMM-AM TRANSMITTER SITE.

Attachment 10

Description
KIMM 2 mV/m contour versus K294BT 60 dbu contour

Exhibit 12

Description: ENGINEERING STATEMENT
ENGINEERING STATEMENT

Attachment 12

Description
Engineering Statement

Exhibit 13

Description: INTERFERENCE STUDY
INTERFERENCE STUDY

Attachment 13

Description
Interference Study
Interference Area Plot

Exhibit 15

Description: FILL-IN KIMM(AM)

THE PROPOSED TRANSLATOR WILL OPERATE AS A FILL-IN FOR CO-OWNED AM STATION KIMM(AM).

Attachment 15

2 mV/m Coverage/Translator Coverage KIMM AM - 1150 kHz - Rapid City, SD

2 mV/m
Day ND 5 kW
122,070 persons

KIMM.C

Freq: 1150 kHz
Class: B
Latitude: 44-04-34 N
Longitude: 103-06-42 W
Power: 5 kW
RMS: 308 mV/m @1km
Towers: 1
Augs: 0

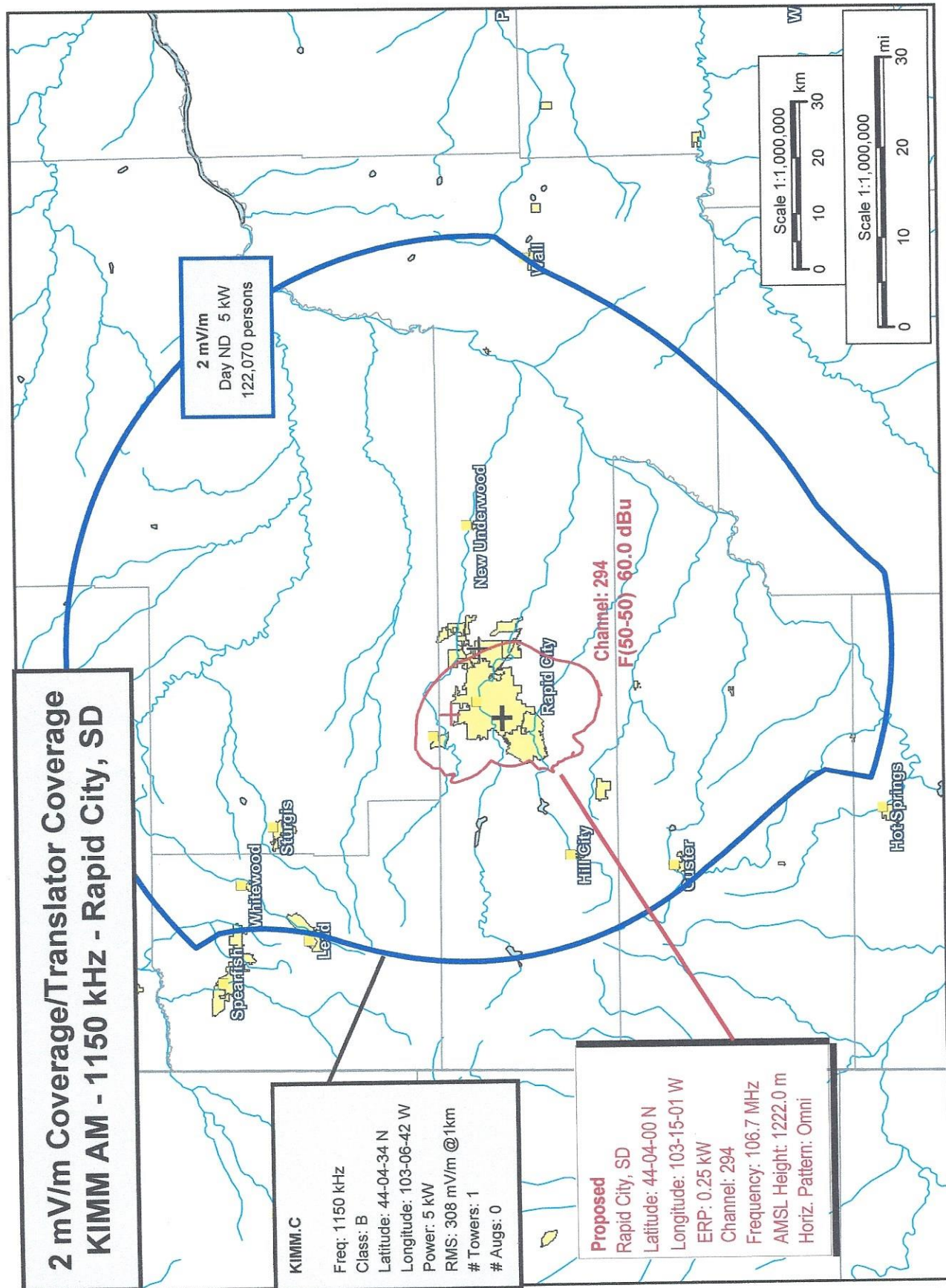
Proposed

Rapid City, SD
Latitude: 44-04-00 N
Longitude: 103-15-01 W
ERP: 0.25 kW
Channel: 294
Frequency: 106.7 MHz
AMSL Height: 1222.0 m
Horiz. Pattern: Omni

Channel: 294
F(50-50) 60.0 dBu

Scale 1:1,000,000
0 10 20 30
km

Scale 1:1,000,000
0 10 20 30
mi



ENGINEERING STATEMENT

MINOR MODIFICATION

FM TRANSLATOR K294BT

FAC ID # 141264

RAPID CITY, SOUTH DAKOTA

GENERAL

I have been retained to prepare the required engineering statement for the above-

captioned FM translator. Aasen Publishing, Inc., licensee of K294BT, proposes to

relocate the licensed operations of FM translator K294BT. Aasen Publishing, Inc., is the

licensee of Radio Station KIMM(AM), Rapids City, South Dakota.

TRANSMITTER LOCATION

The proposed transmitter site is uniquely describes as:

North Latitude 44 degrees 04 minutes 00 seconds

West Longitude 103 degrees 15 minutes 01 seconds

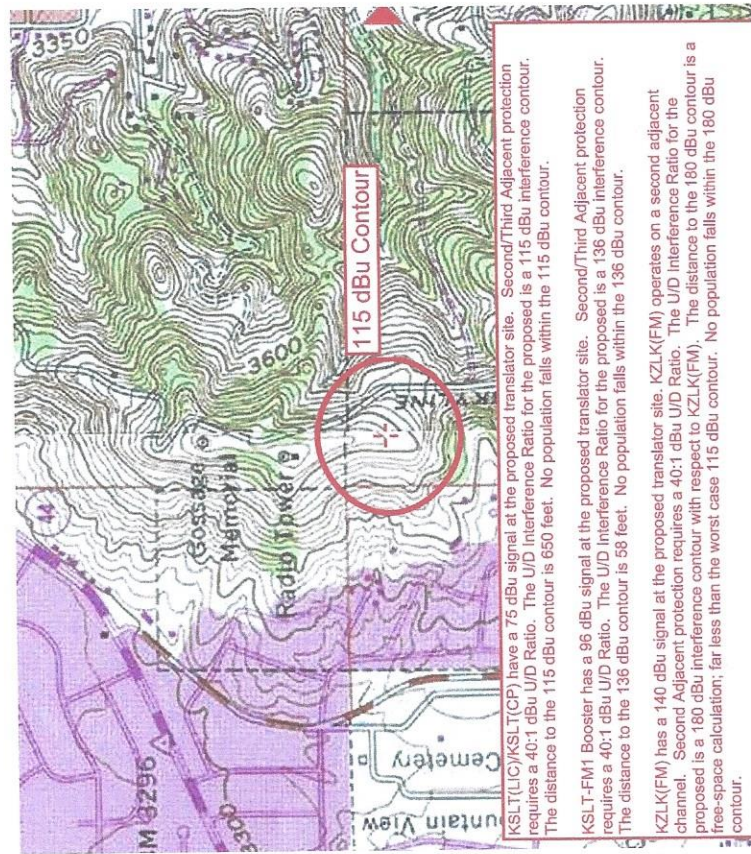
FCC Antenna Registration Number: 1042276

ALLOCATION REVIEW

Translator K294BT currently serves as a Fill-in for AM station KIMM(AM). The Fill-in

currently operates on Channel 294 with 250 watts at an antenna height above mean seal level of 1222 meters and an antenna height above ground level of 24 meters.¹

¹ The proposed translator site is inside the 2 mV/m contour and within 25 miles of AM station KIMM-AM in full compliance with the rules adopted in MB Docket No. 07-172 entitled *Amendment of Service and Eligibility Rules for FM Broadcast Translator Stations*.



Translator station K294BT has operated without interference to any existing FM broadcast station or translator. K294BT operates on a third/second-adjacent channel to station, KSLT(FM), Rapid City, SD.² The proposed transmitter site

change is not expected to change the *status quo*.

An FM allocation study was performed to analyze the proposed K294BT transmitter site. The FM allocation study examined co-channel, adjacent channels (1st, 2nd, and 3rd), and intermediate frequencies (53rd and 54th) options. Channel 294D at the proposed transmitter site continues to be the best channel available which would maintain a spectrum *status quo* in the market.

KSLT currently operates on Ch. 297C with a construction permit to relocate to channel 296C; same site and ERP. The site is 54.9 km (34.17 miles) northwest of the K294BT proposed site. KSLT also has a booster on channel 297 operating with 2.4 kW located just 2.88 km (1.79 miles) North of K294BT proposed site. Assuming KSLT will move its current on-channel booster to Channel 296 after it implements its outstanding construction permit, the proposed Channel 294D translator operations will have no more of an impact on the KSLT operations.

Both the KSLT main transmitter and its outstanding construction permit place a 75 dBu contour at the proposed translator site. Utilizing the Undesired-to-Desired ratio of 40 dB, the potential interfering contour is 115 dBu. At 250 watts, the K294BT translator on channel 294D extends approximately 650 feet from the translator antenna. The USGS topographical map provided indicates no population within 650 feet of the transmitting antenna. The site is very

² Utilizing a U/D Ratio analysis, K294BT was authorized operation on a third/second adjacent channel to KSLT(FM), Spearfish, South Dakota and KZLK(FM), Rapid City, South Dakota. The U/D Ratio interference analysis demonstrated "lack of population" within the predicted interference area. See Construction Permit Application, FCC File No: BPFT-20090612ACN. Since July 2009, K294BT has operated with no apparent objectionable interference to KSLT(FM) and/or KZLK(FM).

remote and the topographical features drop off rapidly.

Additionally, the KSLT-FM1 booster places a 96 dBu contour at the proposed

translator site. Utilizing the Undesired-to-Desired ratio of 40 dB, the potential interfering

contour is 136 dBu. At 250 watts, the K294BT translator on channel 294D the interference

potential is 58 feet from the translator transmitting antenna. Any potential interference will

not reach the ground. This is a U/D improvement from the current K294BT licensed

operations.

Furthermore, the KZLK main transmitter places a 140 dBu contour at the proposed

translator site. Utilizing the Undesired-to-Desired ratio of 40 dB, the potential interfering

contour is 180 dBu. At 250 watts, the K294BT translator interference potential under a "free

space" analysis will be only feet from the antenna and will not reach the ground. This is an U/D

improvement from the current K294BT licensed operations.

The proposed K294BT modification is in full compliance with the FCC Rules and

Regulations. This statement and attached exhibits were prepared by me or under my direct

supervision and are believed to be true and correct.

DATED: December 2010

signed
Edward P. De La Hunt

K294BT CHANNEL STUDY

Call Sign	Channel/Freq	City	St	File No	ERP	HAAT	Dist(km)	Dist (mi)	Azi
KZLK	292 C1 FM 106.3 MHz LIC	RAPID CITY	SD	BLH-20010925AAW	100. kW	212. m	0.22 km	0.13 mi	354.14°
K294BT	294 D FX 106.7 MHz LIC	RAPID CITY	SD	BLFT-20090828ACR	0.25 kW	0. m	5.34 km	3.32 mi	5.96°
KSLT	296 C FM 107.1 MHz CP	SPEARFISH	SD	BPH-20081125AVD	100. kW	579. m	54.99 km	34.17 mi	302.21°
KSLT	297 C FM 107.3 MHz LIC	SPEARFISH	SD	BLH-20000609ABG	100. kW	579. m	54.99 km	34.17 mi	302.21°
KSLT-FM1	297 D FB 107.3 MHz LIC	RAPID CITY	SD	BLFTB-20080319ADA	2.4 kW	0. m	2.88 km	1.79 mi	3.54°
KXZS	298 C1 FM 107.5 MHz CP	WALL	SD	BNPH-20070502AGW	100. kW	146. m	52.46 km	32.60 mi	86.05°
KXZT	300 C0 FM 107.9 MHz CP	NEWELL	SD	BPH-20090626ABQ	90. kW	449. m	55.02 km	34.19 mi	302.12°