

DELAWDER COMMUNICATIONS, INC.

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ENGINEERING REPORT

K49HE-D, St. James, MN: Digital Minor Modification Application

INTERFERENCE STUDIES

1. Cooperative Television Association of Southern Minnesota ("Applicant") is the licensee of K49HE-D, St. James, MN, channel 49D (Facility ID 125747). By this application, Applicant is proposing a slight change in the location of its transmitter site (to ASR 1031876). This is a minor change application.

2. Attached as Figure are the OET-69 study results for the proposed facility (as the referenced station) as determined on a Sun Computer using a Solaris (Unix-based) operating system and using the same OET-69 software as developed for use by the FCC. (According to the software developer, the program used herein provides identical results as the FCC's OET-69 processing program.) All studies are conducted in accordance with current FCC Rules and Regulations. As demonstrated by Figure 1, the proposed facility adequately protects all required US broadcast stations as required by the FCC Rules with the exception of the following stations that have accepted any predicted interference that result from this proposal:

3. Blue Earth-Nicollet Faribault Cooperative Electric Association ("BENCO"), the licensee of K49JG-D, Frost, MN, has informally consented to this application and has agreed to accept interference from K49HE-D. A letter to that effect is forthcoming and shortly will be submitted as an amendment hereto.

4. K49HE-D is associated with various other digital LPTV stations at Jackson, St. James (Godahl) and Frost, Minnesota, that are licensed to the Applicant, or to one of the following: BENCO, Federated Rural Electric Association, or South Central Electric Association. With respect to the facilities proposed in this application, the Applicant accepts any existing and future interference that may result from any such associated digital LPTV station. Therefore, this application should not be deemed directly mutually-exclusive to any such associated LPTV station.

5. The Applicant accepts any interference that is predicted to exist to the proposed facility by any licensed, authorized or previously proposed primary TV station. The Applicant also accepts any interference that is predicted to exist to the proposed facility by any secondary TV facility that is given preferential status by the FCC over the Applicant's herein proposed facility.

FIGURE 1 (16 Pages)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdbb/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-17-2017 Time: 19:04:32

Record Selected for Analysis

STJAMES USERRECORD-01 ST JAMES2 MN US
Channel 49 ERP 1.3 kW HAAT 302. m RCAMSL 00615 m STRINGENT MASK
Latitude 044-06-25 Longitude 0094-35-44
Status APP Zone 2 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	1.300	308.8	42.593
45.0	1.300	310.1	42.650
90.0	1.300	302.9	42.315
135.0	1.300	300.1	42.186
180.0	1.300	296.1	42.002
225.0	1.300	293.2	41.872
270.0	1.300	298.7	42.121
315.0	1.300	308.3	42.569

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
49	STJAMES	ST JAMES2 MN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	K48KJ-D	GENEVA MN	97.0	LIC	BLDTL	-20131023ACE
48	KHVM-LD	MINNEAPOLIS MN	155.1	LIC	BLDTL	-20110804ABI
48	K48GQ-D	REDWOOD FALLS MN	57.4	LIC	BLDTT	-20120604AAP
48	K48AH-D	WILLMAR MN	122.9	LIC	BLDTT	-20100122ABX
48	NEW	WENTWORTH SD	185.7	APP	BNPDTL	-20100505AEN
49	KPTH	SIOUX CITY IA	214.1	LIC	BLCDDT	-20061214ABC
49	K49LU-D	DULUTH MN	354.2	CP	BNPDTL	-20100428ACB
49	K49FA-D	FERGUS FALLS MN	286.6	LIC	BLDTT	-20111109AEH
49	K49JG-D	FROST MN	78.8	LIC	BLDTT	-20090730ACJ
49	K49LV-D	GRANITE FALLS MN	110.1	LIC	BLDTL	-20110824ACM
49	K49AJ-D	OLIVIA MN	75.8	LIC	BLDTT	-20120213ABL
49	KMQV-LD	ROCHESTER MN	142.6	CP	BLANK	-0000004438
49	KMQV-LD	ROCHESTER MN	140.9	LIC	BLANK	-0000004390
49	K49MN-D	SAUK CENTRE MN	192.0	CP	BNPDTL	-20100505AKO
49	K49HE-D	ST. JAMES MN	0.3	LIC	BLDTL	-20120625AAT
49	K49CU-D	WALKER MN	314.5	CP	BDFCDTT	-20090727ADB
49	K49CU-D	WALKER MN	314.5	LIC	BLANK	-0000010932
49	K49CU-D	WALKER MN	314.4	LIC	BLTT	-19910226IJ
49	K49MO-D	VALLEY CITY ND	405.1	CP	BNPDTL	-20100505ALJ
49	K49NB-D	PLANKINTON SD	311.2	CP	BNPDTL	-20100510AJG
49	WEUX	CHIPPEWA FALLS WI	250.5	LIC	BLCDDT	-20090331ACJ
50	K50KL-D	JACKSON MN	64.4	LIC	BLDTT	-20090811ABA
50	KTCJ-LD	MINNEAPOLIS MN	155.1	LIC	BLDTL	-20091026AEK

50	KTCJ-LD	MINNEAPOLIS MN	155.1	CP	BPDTL	-20140324AAE
50	K50KF-D	REDWOOD FALLS MN	57.4	LIC	BLDTT	-20120604AAO
50	K50NJ-D	RUSHMORE MN	107.3	CP	BNPDTL	-20100510AIB
50	K50NB-D	WELLS MN	85.0	CP	BNPDTL	-20100510AJR
50	K50HZ-D	WILLMAR MN	122.9	LIC	BLDTT	-20100122ABS
50	K50DG-D	BROOKINGS SD	174.3	LIC	BLDTL	-20131213ABC

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	K48KJ-D	GENEVA MN	BLDTL	-20131023ACE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	K47MI-D	FROST MN	67.3	LIC	BLDTL	-20130321ACH
47	K47OF-D	OAKLAND MN	49.1	CP	BNPDTL	-20100510AJZ
48	KHVM-LD	MINNEAPOLIS MN	114.8	LIC	BLDTL	-20110804ABI
48	WXOW	LA CROSSE WI	163.6	LIC	BLCDDT	-20090622ACY
49	K49JG-D	FROST MN	67.3	LIC	BLDTT	-20090730ACJ
49	STJAMES	ST JAMES2 MN	97.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	KHVM-LD	MINNEAPOLIS MN	BLDTL	-20110804ABI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	W47CO-D	RIVER FALLS WI	42.2	LIC	BLDTT	-20081106AAE
48	K48IF-D	BRAINERD MN	159.2	CP	BDFCDTT	-20090727ADE
48	K48IF-D	BRAINERD MN	159.2	LIC	BLANK	-0000010933
48	K48KJ-D	GENEVA MN	114.8	LIC	BLDTL	-20131023ACE
48	K48AH-D	WILLMAR MN	147.0	LIC	BLDTT	-20100122ABX
48	WXOW	LA CROSSE WI	200.6	LIC	BLCDDT	-20090622ACY
49	KMQV-LD	ROCHESTER MN	12.8	CP	BLANK	-0000004438
49	KMQV-LD	ROCHESTER MN	43.1	LIC	BLANK	-0000004390
49	WEUX	CHIPPEWA FALLS WI	119.1	LIC	BLCDDT	-20090331ACJ
49	STJAMES	ST JAMES2 MN	155.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	K48GQ-D	REDWOOD FALLS MN	BLDTT -20120604AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	K47JE-D	OLIVIA MN	24.4	LIC	BLDTL -20120423ABK
48	K48KJ-D	GENEVA MN	137.8	LIC	BLDTL -20131023ACE
48	KHVM-LD	MINNEAPOLIS MN	152.6	LIC	BLDTL -20110804ABI
48	K48AH-D	WILLMAR MN	68.8	LIC	BLDTT -20100122ABX
48	WXOW	LA CROSSE WI	298.6	LIC	BLCDDT -20090622ACY
49	K49LV-D	GRANITE FALLS MN	56.2	LIC	BLDTL -20110824ACM
49	K49AJ-D	OLIVIA MN	24.4	LIC	BLDTT -20120213ABL
49	K49HE-D	ST. JAMES MN	57.2	LIC	BLDTL -20120625AAT
49	STJAMES	ST JAMES2 MN	57.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	K48AH-D	WILLMAR MN	BLDTT -20100122ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	K47JE-D	OLIVIA MN	47.2	LIC	BLDTL -20120423ABK
47	K47NE-D	SAINT CLOUD MN	62.2	CP	BNPDTL -20100216AED
48	K48DV-D	ALEXANDRIA MN	90.9	LIC	BLDTL -20120612ACC
48	K48IF-D	BRAINERD MN	145.4	CP	BDFCDTT -20090727ADE
48	K48IF-D	BRAINERD MN	145.4	LIC	BLANK -0000010933
48	K48KJ-D	GENEVA MN	180.9	LIC	BLDTL -20131023ACE
48	KHVM-LD	MINNEAPOLIS MN	147.0	LIC	BLDTL -20110804ABI
48	K48GQ-D	REDWOOD FALLS MN	68.8	LIC	BLDTT -20120604AAP
48	WXOW	LA CROSSE WI	328.3	LIC	BLCDDT -20090622ACY
49	K49LV-D	GRANITE FALLS MN	58.3	LIC	BLDTL -20110824ACM
49	K49AJ-D	OLIVIA MN	47.2	LIC	BLDTT -20120213ABL
49	STJAMES	ST JAMES2 MN	122.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	NEW	WENTWORTH SD	BNPDTL -20100505AEN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KDLT-TV	SIOUX FALLS SD	57.0	LIC	BLCDT -20050829AAT
48	K48OK-D	HUMBOLDT SD	37.4	CP	BNPDTL -20100510AIM
49	STJAMES	ST JAMES2 MN	185.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KPTH	SIOUX CITY IA	BLCDT -20061214ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KTKA-TV	TOPEKA KS	396.6	LIC	BLCDT -20090612AIV
49	STJAMES	ST JAMES2 MN	214.1	APP	USERRECORD-01

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 6

Before Analysis

Results for: 49A IA SIOUX CITY BLCDT 20061214ABC LIC

HAAT 587.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	561315	38832.8
not affected by terrain losses	550158	38539.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 49A IA SIOUX CITY BLCDDT 20061214ABC LIC

HAAT 587.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	561315	38832.8
not affected by terrain losses	550158	38539.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	486	3.0
lost to ATV IX only	486	3.0
lost to all IX	486	3.0

Potential Interfering Stations Included in above Scenario 1

49A MN ST JAMES2 USERRECORD01 APP

Percent new IX = 0.0883%

Worst case new IX 0.0883% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49LU-D	DULUTH MN	BNPDTL -20100428ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48NP-D	DULUTH MN	13.3	CP	BMJADTL -20100524AFQ
49	K49CU-D	WALKER MN	158.6	CP	BDFCDTT -20090727ADB
49	K49CU-D	WALKER MN	158.6	LIC	BLANK -0000010932
49	K49CU-D	WALKER MN	158.7	LIC	BLTT -19910226IJ
49	WEUX	CHIPPEWA FALLS WI	221.1	LIC	BLCDDT -20090331ACJ
49	STJAMES	ST JAMES2 MN	354.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49FA-D	FERGUS FALLS MN	BLDDT -20111109AEH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48DV-D	ALEXANDRIA MN	75.5	LIC	BLDDT -20120612ACC
48	K48NB-D	HORACE ND	64.7	CP	BNPDTL -20100505ADM

49	K49MN-D	SAUK CENTRE MN	105.7	CP	BNPDTL	-20100505AKO
49	K49CU-D	WALKER MN	130.2	CP	BDFCDTT	-20090727ADB
49	K49CU-D	WALKER MN	130.2	LIC	BLANK	-0000010932
49	K49CU-D	WALKER MN	130.0	LIC	BLTT	-19910226IJ
49	K49MO-D	VALLEY CITY ND	150.4	CP	BNPDTL	-20100505ALJ
49	WEUX	CHIPPEWA FALLS WI	378.4	LIC	BLCDDT	-20090331ACJ
50	K50DB-D	ALEXANDRIA MN	75.5	LIC	BLDTL	-20120710ABO
50	K50NA-D	FARGO ND	67.7	CP	BNPDTL	-20101001AAJ
49	STJAMES	ST JAMES2 MN	286.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49JG-D	FROST MN	BLDTT	-20090730ACJ

(NOTE: THE AFFECTED STATION IS OWNED BY A CONSORTIUM THAT INCLUDES THE APPLICANT AND THE CONSORTIUM CONSENTS TO ANY PREDICTED INTERFERENCE. THE STUDIES TO THIS AFFECTED STATION ARE, THEREFORE, REMOVED.)

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49LV-D	GRANITE FALLS MN	BLDTL	-20110824ACM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	K48GQ-D	REDWOOD FALLS MN	56.2	LIC	BLDTT	-20120604AAP
48	K48AH-D	WILLMAR MN	58.3	LIC	BLDTT	-20100122ABX
49	KPTH	SIOUX CITY IA	251.9	LIC	BLCDDT	-20061214ABC
49	K49FA-D	FERGUS FALLS MN	189.4	LIC	BLDTT	-20111109AEH
49	K49AJ-D	OLIVIA MN	56.0	LIC	BLDTT	-20120213ABL
49	KMQV-LD	ROCHESTER MN	182.7	CP	BLANK	-0000004438
49	K49MN-D	SAUK CENTRE MN	117.9	CP	BNPDTL	-20100505AKO
49	K49HE-D	ST. JAMES MN	109.8	LIC	BLDTL	-20120625AAT
49	WEUX	CHIPPEWA FALLS WI	308.6	LIC	BLCDDT	-20090331ACJ
50	K50KF-D	REDWOOD FALLS MN	56.2	LIC	BLDTT	-20120604AAO
50	K50HZ-D	WILLMAR MN	58.3	LIC	BLDTT	-20100122ABS
49	STJAMES	ST JAMES2 MN	110.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49AJ-D	OLIVIA MN	BLDTT	-20120213ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	K48GQ-D	REDWOOD FALLS MN	24.4	LIC	BLDTT	-20120604AAP
48	K48AH-D	WILLMAR MN	47.2	LIC	BLDTT	-20100122ABX
49	KPTH	SIOUX CITY IA	264.7	LIC	BLCDD	-20061214ABC
49	K49LV-D	GRANITE FALLS MN	56.0	LIC	BLDTL	-20110824ACM
49	KMQV-LD	ROCHESTER MN	128.4	CP	BLANK	-0000004438
49	KMQV-LD	ROCHESTER MN	146.2	LIC	BLANK	-0000004390
49	K49MN-D	SAUK CENTRE MN	116.9	CP	BNPDTL	-20100505AKO
49	K49HE-D	ST. JAMES MN	75.6	LIC	BLDTL	-20120625AAT
49	WEUX	CHIPPEWA FALLS WI	253.5	LIC	BLCDD	-20090331ACJ
50	K50KF-D	REDWOOD FALLS MN	24.4	LIC	BLDTT	-20120604AAO
50	K50HZ-D	WILLMAR MN	47.2	LIC	BLDTT	-20100122ABS
49	STJAMES	ST JAMES2 MN	75.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 11
Before Analysis

Results for: 49A MN OLIVIA BLDTT 20120213ABL LIC
HAAT 95.0 m, ATV ERP 0.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7014	993.5
not affected by terrain losses	7014	993.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	63	17.0
lost to ATV IX only	63	17.0
lost to all IX	63	17.0

Potential Interfering Stations Included in above Scenario 1

49A MN GRANITE FALLS	BLDTL	20110824ACM	LIC
49A MN ST. JAMES	BLDTL	20120625AAT	LIC

After Analysis

Results for: 49A MN OLIVIA BLDTT 20120213ABL LIC
HAAT 95.0 m, ATV ERP 0.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7014	993.5
not affected by terrain losses	7014	993.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	193	59.9

lost to ATV IX only	193	59.9
lost to all IX	193	59.9

Potential Interfering Stations Included in above Scenario 1

49A MN GRANITE FALLS	BLDTL	20110824ACM	LIC
49A MN ST. JAMES	BLDTL	20120625AAT	LIC
49A MN ST JAMES2	USERRECORD01		APP

Percent new IX = 1.8702%

Worst case new IX 1.8702% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	KMQV-LD	ROCHESTER MN	BLANK	-0000004438

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KHVM-LD	MINNEAPOLIS MN	12.8	LIC	BLDTL	-20110804ABI
49	KPTH	SIOUX CITY IA	355.7	LIC	BLCDDT	-20061214ABC
49	K49JG-D	FROST MN	163.1	LIC	BLDDTT	-20090730ACJ
49	K49AJ-D	OLIVIA MN	128.4	LIC	BLDDTT	-20120213ABL
49	K49HE-D	ST. JAMES MN	142.7	LIC	BLDTL	-20120625AAT
49	WEUX	CHIPPEWA FALLS WI	126.2	LIC	BLCDDT	-20090331ACJ
49	WMSN-TV	MADISON WI	367.1	LIC	BLCDDT	-20101223ABD
50	KTCJ-LD	MINNEAPOLIS MN	12.8	LIC	BLDTL	-20091026AEK
50	KTCJ-LD	MINNEAPOLIS MN	12.8	CP	BPDTL	-20140324AAE
49	STJAMES	ST JAMES2 MN	142.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	KMQV-LD	ROCHESTER MN	BLANK	-0000004390

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KHVM-LD	MINNEAPOLIS MN	43.1	LIC	BLDTL	-20110804ABI
49	KPTH	SIOUX CITY IA	348.0	LIC	BLCDDT	-20061214ABC
49	K49JG-D	FROST MN	142.9	LIC	BLDDTT	-20090730ACJ

49	K49HE-D	ST. JAMES MN	141.1	LIC	BLDTL	-20120625AAT
49	WEUX	CHIPPEWA FALLS WI	110.8	LIC	BLCDDT	-20090331ACJ
49	WMSN-TV	MADISON WI	333.6	LIC	BLCDDT	-20101223ABD
50	KTCJ-LD	MINNEAPOLIS MN	43.1	LIC	BLDTL	-20091026AEK
50	KTCJ-LD	MINNEAPOLIS MN	43.2	CP	BPDDL	-20140324AAE
49	STJAMES	ST JAMES2 MN	140.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49MN-D	SAUK CENTRE MN	BNPDDL -20100505AKO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48DV-D	ALEXANDRIA MN	32.8	LIC	BLDTL -20120612ACC
49	KPTH	SIOUX CITY IA	369.1	LIC	BLCDDT -20061214ABC
49	K49FA-D	FERGUS FALLS MN	105.7	LIC	BLDDT -20111109AEH
49	K49LV-D	GRANITE FALLS MN	117.9	LIC	BLDTL -20110824ACM
49	K49AJ-D	OLIVIA MN	116.9	LIC	BLDDT -20120213ABL
49	KMQV-LD	ROCHESTER MN	167.5	CP	BLANK -0000004438
49	K49CU-D	WALKER MN	134.3	CP	BDFCDDT -20090727ADB
49	K49CU-D	WALKER MN	134.3	LIC	BLANK -0000010932
49	K49CU-D	WALKER MN	134.2	LIC	BLTT -19910226IJ
49	WEUX	CHIPPEWA FALLS WI	281.5	LIC	BLCDDT -20090331ACJ
50	K50DB-D	ALEXANDRIA MN	32.8	LIC	BLDTL -20120710ABO
49	STJAMES	ST JAMES2 MN	192.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49HE-D	ST. JAMES MN	BLDTL -20120625AAT

(NOTE: AFFECTED STATION IS THE STATION BEING MODIFIED BY THIS PROPOSAL. THE STUDIES TO THIS AFFECTED STATION ARE, THEREFORE, REMOVED.)

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49CU-D	WALKER MN	BDFCDTT -20090727ADB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48IF-D	BRAINERD MN	71.6	CP	BDFCDTT -20090727ADE
48	K48IF-D	BRAINERD MN	71.6	LIC	BLANK -0000010933
49	K49LU-D	DULUTH MN	158.6	CP	BNPDTL -20100428ACB
49	K49FA-D	FERGUS FALLS MN	130.2	LIC	BLDTT -20111109AEH
49	K49LO-D	RED LAKE MN	110.1	LIC	BLDTT -20111122AIV
49	K49MN-D	SAUK CENTRE MN	134.3	CP	BNPDTL -20100505AKO
49	WEUX	CHIPPEWA FALLS WI	307.8	LIC	BLCDDT -20090331ACJ
49	STJAMES	ST JAMES2 MN	314.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49CU-D	WALKER MN	BLANK -0000010932

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48IF-D	BRAINERD MN	71.6	CP	BDFCDTT -20090727ADE
48	K48IF-D	BRAINERD MN	71.6	LIC	BLANK -0000010933
49	K49LU-D	DULUTH MN	158.6	CP	BNPDTL -20100428ACB
49	K49FA-D	FERGUS FALLS MN	130.2	LIC	BLDTT -20111109AEH
49	K49LO-D	RED LAKE MN	110.1	LIC	BLDTT -20111122AIV
49	K49MN-D	SAUK CENTRE MN	134.3	CP	BNPDTL -20100505AKO
49	WEUX	CHIPPEWA FALLS WI	307.8	LIC	BLCDDT -20090331ACJ
49	STJAMES	ST JAMES2 MN	314.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49CU-D	WALKER MN	BLTT -19910226IJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49FA-D	FERGUS FALLS MN	130.0	LIC	BLDTT -20111109AEH

49 WEUX CHIPPEWA FALLS WI 307.8 LIC BLCDT -20090331ACJ
49 STJAMES ST JAMES2 MN 314.4 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49MO-D	VALLEY CITY ND	BNPDTL -20100505ALJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49FA-D	FERGUS FALLS MN	150.4	LIC	BLDTT -20111109AEH
49	STJAMES	ST JAMES2 MN	405.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49NB-D	PLANKINTON SD	BNPDTL -20100510AJG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KPTH	SIOUX CITY IA	219.2	LIC	BLCDT -20061214ABC
49	STJAMES	ST JAMES2 MN	311.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	WEUX	CHIPPEWA FALLS WI	BLCDT -20090331ACJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	WXOW	LA CROSSE WI	130.1	LIC	BLCDT -20090622ACY
49	KLJB	DAVENPORT IA	418.3	LIC	BLCDT -20050713ADL
49	WMSN-TV	MADISON WI	271.5	LIC	BLCDT -20101223ABD

49 STJAMES ST JAMES2 MN 250.5 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	K50KL-D	JACKSON MN	BLDTT	-20090811ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	K49HE-D	ST. JAMES MN	64.3	LIC	BLDTL	-20120625AAT
50	K50KF-D	REDWOOD FALLS MN	105.2	LIC	BLDTT	-20120604AAO
50	K50NJ-D	RUSHMORE MN	62.0	CP	BNPDTL	-20100510AIB
50	K50NB-D	WELLS MN	100.8	CP	BNPDTL	-20100510AJR
50	K50DG-D	BROOKINGS SD	161.8	LIC	BLDTL	-20131213ABC
51	K51KT-D	JACKSON MN	0.0	LIC	BLDTL	-20091029ACC
51	K23MF-D	ST. JAMES MN	64.3	CP	BDISDTL	-20100729ADS
49	STJAMES	ST JAMES2 MN	64.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	KTCJ-LD	MINNEAPOLIS MN	BLDTL	-20091026AEK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KMQV-LD	ROCHESTER MN	12.8	CP	BLANK	-0000004438
49	KMQV-LD	ROCHESTER MN	43.1	LIC	BLANK	-0000004390
49	WEUX	CHIPPEWA FALLS WI	119.1	LIC	BLCDDT	-20090331ACJ
50	K50HZ-D	WILLMAR MN	147.0	LIC	BLDTT	-20100122ABS
50	W50EI-D	EAU CLAIRE WI	117.2	APP	BLANK	-0000018947
50	W50EI-D	EAU CLAIRE WI	137.7	CP	BNPDTL	-20100203ACQ
50	W50DR-D	LA CROSSE WI	200.6	LIC	BLDTT	-20091016AAE
50	WISC-TV	MADISON WI	366.7	LIC	BLCDDT	-20050701ABU
49	STJAMES	ST JAMES2 MN	155.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KTCJ-LD	MINNEAPOLIS MN	BPDTL -20140324AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KMQV-LD	ROCHESTER MN	12.8	CP	BLANK -0000004438
49	KMQV-LD	ROCHESTER MN	43.2	LIC	BLANK -0000004390
49	WEUX	CHIPPEWA FALLS WI	119.2	LIC	BLCDDT -20090331ACJ
50	K50HZ-D	WILLMAR MN	146.9	LIC	BLDDTT -20100122ABS
50	W50EI-D	EAU CLAIRE WI	117.4	APP	BLANK -0000018947
50	W50EI-D	EAU CLAIRE WI	137.8	CP	BNPDTL -20100203ACQ
50	W50DR-D	LA CROSSE WI	200.7	LIC	BLDDTT -20091016AAE
50	WISC-TV	MADISON WI	366.9	LIC	BLCDDT -20050701ABU
49	STJAMES	ST JAMES2 MN	155.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50KF-D	REDWOOD FALLS MN	BLDDTT -20120604AAO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49LV-D	GRANITE FALLS MN	56.2	LIC	BLDDTL -20110824ACM
49	K49AJ-D	OLIVIA MN	24.4	LIC	BLDDTT -20120213ABL
49	K49HE-D	ST. JAMES MN	57.2	LIC	BLDDTL -20120625AAT
50	K50KL-D	JACKSON MN	105.2	LIC	BLDDTT -20090811ABA
50	KTCJ-LD	MINNEAPOLIS MN	152.6	LIC	BLDDTL -20091026AEK
50	KTCJ-LD	MINNEAPOLIS MN	152.5	CP	BPDTL -20140324AAE
50	K50NJ-D	RUSHMORE MN	120.1	CP	BNPDTL -20100510AIB
50	K50HZ-D	WILLMAR MN	68.8	LIC	BLDDTT -20100122ABS
50	K50DG-D	BROOKINGS SD	145.5	LIC	BLDDTL -20131213ABC
51	K51AL-D	OLIVIA MN	24.4	LIC	BLDDTT -20120213ABK
51	K23MF-D	ST. JAMES MN	57.2	CP	BDISDTL -20100729ADS
49	STJAMES	ST JAMES2 MN	57.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50NJ-D	RUSHMORE MN	BNPDTL -20100510AIB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KPTH	SIOUX CITY IA	122.0	LIC	BLCDT -20061214ABC
50	K50KL-D	JACKSON MN	62.0	LIC	BLDTT -20090811ABA
50	K50KF-D	REDWOOD FALLS MN	120.1	LIC	BLDTT -20120604AAO
50	K50DG-D	BROOKINGS SD	109.5	LIC	BLDTL -20131213ABC
51	K51KT-D	JACKSON MN	62.0	LIC	BLDTL -20091029ACC
49	STJAMES	ST JAMES2 MN	107.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50NB-D	WELLS MN	BNPDTL -20100510AJR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49JG-D	FROST MN	16.8	LIC	BLDTT -20090730ACJ
50	K50KL-D	JACKSON MN	100.8	LIC	BLDTT -20090811ABA
50	KTCJ-LD	MINNEAPOLIS MN	163.7	LIC	BLDTL -20091026AEK
50	KTCJ-LD	MINNEAPOLIS MN	163.7	CP	BPDTL -20140324AAE
50	W50DR-D	LA CROSSE WI	191.5	LIC	BLDTT -20091016AAE
50	WISC-TV	MADISON WI	346.4	LIC	BLCDT -20050701ABU
51	K51KB-D	FROST MN	16.8	LIC	BLDTT -20090730ACR
49	STJAMES	ST JAMES2 MN	85.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50HZ-D	WILLMAR MN	BLDTT -20100122ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49LV-D	GRANITE FALLS MN	58.3	LIC	BLDTL -20110824ACM
49	K49AJ-D	OLIVIA MN	47.2	LIC	BLDTT -20120213ABL
50	K50DB-D	ALEXANDRIA MN	90.9	LIC	BLDTL -20120710ABO
50	KTCJ-LD	MINNEAPOLIS MN	147.0	LIC	BLDTL -20091026AEK

50	KTCJ-LD	MINNEAPOLIS MN	146.9	CP	BPDTL	-20140324AAE
50	K50KF-D	REDWOOD FALLS MN	68.8	LIC	BLDTT	-20120604AAO
50	K50DG-D	BROOKINGS SD	166.6	LIC	BLDTL	-20131213ABC
51	K51AL-D	OLIVIA MN	47.2	LIC	BLDTT	-20120213ABK
49	STJAMES	ST JAMES2 MN	122.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50DG-D	BROOKINGS SD	BLDTL -20131213ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K50KL-D	JACKSON MN	161.8	LIC	BLDTT -20090811ABA
50	K50NJ-D	RUSHMORE MN	109.5	CP	BNPDTL -20100510AIB
49	STJAMES	ST JAMES2 MN	174.3	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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