



LOHNES AND CULVER
TELEVISION AND RADIO CONSULTING ENGINEERS
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 OFFICE (301)776-4488

TW Census data selected 2000

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-02-2010 Time: 17:45:13

Record Selected for Analysis

KTTC USERRECORD-01 ROCHESTER MN US
 Channel 10 ERP 43.1 kW HAAT 383. m RCMSL 00789 m
 Latitude 043-34-15 Longitude 0092-25-37
 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

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	36.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	43.100	379.4	110.4	
45.0	43.100	388.1	111.1	
90.0	43.100	385.1	110.8	
135.0	43.100	394.5	111.6	
180.0	43.100	388.8	111.1	
225.0	43.100	382.5	110.6	
270.0	43.100	373.6	109.9	
315.0	43.100	369.3	109.6	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
 to Class A stations from site # 01

Class A Evaluation Complete

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	Call	City/State	ARN
10	KTTC	ROCHESTER MN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KCRG-TV	CEDAR RAPIDS IA	146.9	LIC	BLCDDT	20090612AJN
09	KMSP-TV	MINNEAPOLIS MN	174.4	CP MOD	BMPCDDT	20080620ALS
10	WWTO-TV	LA SALLE IL	383.0	LIC	BLCDDT	20060630AEE
10	WWTO-TV	LA SALLE IL	383.0	CP	BPCDDT	20080611ACK
10	WGEM-TV	QUINCY IL	412.5	CP	BPCDDT	20080317ACL
10	WGEM-TV	QUINCY IL	412.5	CP MOD	BMPCDDT	20080619ADS
10	KWCM-TV	APPLETON MN	334.8	CP	BPEDT	20080617ACY
10	WDIO-DT	DULUTH MN	358.3	CP MOD	BMPCDDT	20080620ABZ
11	KDIN-TV	DES MOINES IA	218.5	LIC	BLEDDT	20090612AIB
11	KARE	MINNEAPOLIS MN	175.2	CP	BPCDDT	20100315ABP

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KCRG-TV	CEDAR RAPIDS IA	BLCDDT	-20090612AJN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KCCI	DES MOINES IA	156.0	CP MOD	BMPCDT	-20080616ABN
08	WKBT-DT	LA CROSSE WI	201.7	LIC	BLCDDT	-20090507ACT
09	KCAU-TV	SIOUX CITY IA	359.9	CP	BPCDDT	-20100512AFP
09	WILL-TV	URBANA IL	367.8	LIC	BLEDDT	-20050920AEE
09	WILL-TV	URBANA IL	367.7	APP	BPEDT	-20100406ABJ
09	KMSP-TV	MINNEAPOLIS MN	321.3	CP MOD	BMPCDT	-20080620ALS
09	WAOW	WAUSAU WI	337.9	CP	BPCDDT	-20090409ADU
09	WAOW	WAUSAU WI	337.9	APP	BPCDDT	-20091105ACL
10	KTTC	ROCHESTER MN	146.9	PLN	DTVPLN	-DTVP0259
10	KTTC	ROCHESTER MN	146.9	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
HAAT 607.0 m, ATV ERP 30.4 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1090479	47742.7	
not affected by terrain losses	1059935	46451.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	29608	1244.7	
lost to ATV IX only	29608	1244.7	
lost to all IX	29608	1244.7	

Potential Interfering Stations Included in above Scenario 1

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDDT	20100512AFP	CP
9A IL URBANA	BLEDDT	20050920AEE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20090409ADU	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
HAAT 607.0 m, ATV ERP 30.4 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1090479	47742.7	
not affected by terrain losses	1059935	46451.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	32799	1511.7	
lost to ATV IX only	32799	1511.7	
lost to all IX	32799	1511.7	

Potential Interfering Stations Included in above Scenario 1

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDDT	20100512AFP	CP
9A IL URBANA	BLEDDT	20050920AEE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20090409ADU	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.3097%

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Results for: 9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
HAAT 607.0 m, ATV ERP 30.4 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1090479	47742.7	
not affected by terrain losses	1059935	46451.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	32972	1369.7	
lost to ATV IX only	32972	1369.7	
lost to all IX	32972	1369.7	

Potential Interfering Stations Included in above Scenario 2

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDDT	20100512AFP	CP
9A IL URBANA	BLEDDT	20050920AEE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20091105ACL	APP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
HAAT 607.0 m, ATV ERP 30.4 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1090479	47742.7	
not affected by terrain losses	1059935	46451.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	36156	1628.8	
lost to ATV IX only	36156	1628.8	
lost to all IX	36156	1628.8	

Potential Interfering Stations Included in above Scenario 2

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDDT	20100512AFP	CP
9A IL URBANA	BLEDDT	20050920AEE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20091105ACL	APP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.3100%

Result key: 3
Scenario 3 Affected station 1
Before Analysis

Results for: 9A IA CEDAR RAPIDS BLCDT 20090612AJN LIC
HAAT 607.0 m, ATV ERP 30.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1090479	47742.7
not affected by terrain losses	1059935	46451.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29939	1253.6
lost to ATV IX only	29939	1253.6
lost to all IX	29939	1253.6

Potential Interfering Stations Included in above Scenario 3

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A IL URBANA	BPEDT	20100406ABJ	APP
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20090409ADU	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A IA CEDAR RAPIDS BLCDT 20090612AJN LIC
HAAT 607.0 m, ATV ERP 30.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1090479	47742.7
not affected by terrain losses	1059935	46451.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33130	1520.6
lost to ATV IX only	33130	1520.6
lost to all IX	33130	1520.6

Potential Interfering Stations Included in above Scenario 3

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A IL URBANA	BPEDT	20100406ABJ	APP
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20090409ADU	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.3098%

Result key: 4
Scenario 4 Affected station 1
Before Analysis

Results for: 9A IA CEDAR RAPIDS BLCDT 20090612AJN LIC
HAAT 607.0 m, ATV ERP 30.4 kW

POPULATION	AREA (sq km)
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within Noise Limited Contour	1090479	47742.7
not affected by terrain losses	1059935	46451.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33303	1378.7
lost to ATV IX only	33303	1378.7
lost to all IX	33303	1378.7

Potential Interfering Stations Included in above Scenario 4

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A IL URBANA	BPEDT	20100406ABJ	APP
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A IA CEDAR RAPIDS BLCDT 20090612AJN LIC
HAAT 607.0 m, ATV ERP 30.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1090479	47742.7
not affected by terrain losses	1059935	46451.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36487	1637.7
lost to ATV IX only	36487	1637.7
lost to all IX	36487	1637.7

Potential Interfering Stations Included in above Scenario 4

8A IA DES MOINES	BMPCDT	20080616ABN	CP
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A IL URBANA	BPEDT	20100406ABJ	APP
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.3101%

Worst case new IX 0.3101% Scenario 4

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	KMSP-TV	MINNEAPOLIS MN	BMPCDT -20080620ALS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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08	WDSE	DULUTH MN	207.6	LIC	BLEDT	-20090618ABE
08	WGBT-DT	LA CROSSE WI	177.6	LIC	BLCDT	-20090507ACT
09	KCRG-TV	CEDAR RAPIDS IA	321.3	LIC	BLCDT	-20090612AJN
09	KCAU-TV	SIOUX CITY IA	370.9	CP	BPCDT	-20100512AFP
09	KAWB	BEMIDJI MN	311.7	CP MOD	BMPEDT	-20080620AHK
09	KABY-TV	ABERDEEN SD	374.7	CP	BPCDT	-20080408AEN
09	WAOW	WAUSAU WI	270.3	CP	BPCDT	-20090409ADU
09	WAOW	WAUSAU WI	270.3	APP	BPCDT	-20091105ACL
10	KWCM-TV	APPLETON MN	225.9	CP	BPEDT	-20080617ACY
10	WDIO-DT	DULUTH MN	207.2	CP MOD	BMPEDT	-20080620ABZ
10	KTTC	ROCHESTER MN	174.4	PLN	DTVPLN	-DTVP0259
10	KTTC	ROCHESTER MN	174.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 5
 Scenario 1 Affected station 2
 Before Analysis

Results for: 9A MN MINNEAPOLIS BMPCDT 20080620ALS CP
 HAAT 433.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3472309	37783.1
not affected by terrain losses	3445351	36786.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19417	908.0
lost to ATV IX only	19417	908.0
lost to all IX	19417	908.0

Potential Interfering Stations Included in above Scenario 1

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A MN BEMIDJI	BMPEDT	20080620AHK	CP
9A SD ABERDEEN	BPCDT	20080408AEN	CP
9A WI WAUSAU	BPCDT	20090409ADU	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A MN MINNEAPOLIS BMPCDT 20080620ALS CP
 HAAT 433.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3472309	37783.1
not affected by terrain losses	3445351	36786.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	19500	917.9
lost to ATV IX only	19500	917.9
lost to all IX	19500	917.9

Potential Interfering Stations Included in above Scenario 1

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
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9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A MN BEMIDJI	BMPEDT	20080620AHK	CP
9A SD ABERDEEN	BPCDT	20080408AEN	CP
9A WI WAUSAU	BPCDT	20090409ADU	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0024%

Result key: 6
 Scenario 2 Affected station 2
 Before Analysis

Results for: 9A MN MINNEAPOLIS BMPCDT 20080620ALS CP
 HAAT 433.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3472309	37783.1
not affected by terrain losses	3445351	36786.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28860	1251.0
lost to ATV IX only	28860	1251.0
lost to all IX	28860	1251.0

Potential Interfering Stations Included in above Scenario 2

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A MN BEMIDJI	BMPEDT	20080620AHK	CP
9A SD ABERDEEN	BPCDT	20080408AEN	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 9A MN MINNEAPOLIS BMPCDT 20080620ALS CP
 HAAT 433.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3472309	37783.1
not affected by terrain losses	3445351	36786.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28943	1260.9
lost to ATV IX only	28943	1260.9
lost to all IX	28943	1260.9

Potential Interfering Stations Included in above Scenario 2

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
9A IA SIOUX CITY	BPCDT	20100512AFP	CP
9A MN BEMIDJI	BMPEDT	20080620AHK	CP
9A SD ABERDEEN	BPCDT	20080408AEN	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0024%

Worst case new IX 0.0024% Scenario 2

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WWT0-TV	LA SALLE IL	BLCDDT	-20060630AEE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WILL-TV	URBANA IL	139.9	LIC	BLEDT	-20050920AEE
09	WILL-TV	URBANA IL	139.9	APP	BPEDT	-20100406ABJ
10	WGEM-TV	QUINCY IL	250.3	CP	BPCDDT	-20080317ACL
10	WGEM-TV	QUINCY IL	250.3	CP MOD	BMPDDT	-20080619ADS
10	WTHI-TV	TERRE HAUTE IN	261.9	CP MOD	BMPDDT	-20080619AEM
10	WILX-TV	ONONDAGA MI	383.6	CP MOD	BMPDDT	-20080618AAZ
10	KTTC	ROCHESTER MN	383.0	PLN	DTVPLN	-DTVP0259
11	WLF1-TV	LAFAYETTE IN	219.1	LIC	BLCDDT	-20040520AIX
10	KTTC	ROCHESTER MN	383.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 7
Scenario 1 Affected station 3
Before Analysis

Results for: 10A IL LA SALLE BLCDDT 20060630AEE LIC
HAAT 403.0 m, ATV ERP 16.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966775	29650.8
not affected by terrain losses	2904883	29323.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	97800	478.6
lost to ATV IX only	97800	478.6
lost to all IX	97800	478.6

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDDT	20080317ACL	CP
10A IN TERRE HAUTE	BMPDDT	20080619AEM	CP
10A MI ONONDAGA	BMPDDT	20080618AAZ	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 10A IL LA SALLE BLCDDT 20060630AEE LIC
HAAT 403.0 m, ATV ERP 16.0 kW

POPULATION	AREA (sq km)
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within Noise Limited Contour	2966775	29650.8
not affected by terrain losses	2904883	29323.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	97862	487.5
lost to ATV IX only	97862	487.5
lost to all IX	97862	487.5

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDDT	20080317ACL	CP
10A IN TERRE HAUTE	BMPDDT	20080619AEM	CP
10A MI ONONDAGA	BMPDDT	20080618AAZ	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0022%

Result key: 8
Scenario 2 Affected station 3
Before Analysis

Results for: 10A IL LA SALLE BLCDDT 20060630AEE LIC
HAAT 403.0 m, ATV ERP 16.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966775	29650.8
not affected by terrain losses	2904883	29323.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	135050	751.4
lost to ATV IX only	135050	751.4
lost to all IX	135050	751.4

Potential Interfering Stations Included in above Scenario 2

10A IL QUINCY	BMPDDT	20080619ADS	CP
10A IN TERRE HAUTE	BMPDDT	20080619AEM	CP
10A MI ONONDAGA	BMPDDT	20080618AAZ	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 10A IL LA SALLE BLCDDT 20060630AEE LIC
HAAT 403.0 m, ATV ERP 16.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966775	29650.8
not affected by terrain losses	2904883	29323.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	135071	753.4
lost to ATV IX only	135071	753.4
lost to all IX	135071	753.4

Potential Interfering Stations Included in above Scenario 2

10A IL QUINCY	BMPDDT	20080619ADS	CP
10A IN TERRE HAUTE	BMPDDT	20080619AEM	CP
10A MI ONONDAGA	BMPDDT	20080618AAZ	CP

10A MN ROCHESTER USERRECORD01 APP

Percent new IX = 0.0008%

Worst case new IX 0.0022% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WWT0-TV	LA SALLE IL	BPCDT -20080611ACK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WILL-TV	URBANA IL	139.9	LIC	BLEDT -20050920AEE
09	WILL-TV	URBANA IL	139.9	APP	BPEDT -20100406ABJ
10	WGEM-TV	QUINCY IL	250.3	CP	BPCDT -20080317ACL
10	WGEM-TV	QUINCY IL	250.3	CP MOD	BMPEDT -20080619ADS
10	WTHI-TV	TERRE HAUTE IN	261.9	CP MOD	BMPEDT -20080619AEM
10	WILX-TV	ONONDAGA MI	383.6	CP MOD	BMPEDT -20080618AAZ
10	KTTC	ROCHESTER MN	383.0	PLN	DTVPLN -DTVP0259
11	WLFI-TV	LAFAYETTE IN	219.1	LIC	BLCDT -20040520AIX
10	KTTC	ROCHESTER MN	383.0	APP	USERRECORD-01

Total scenarios = 2

Result key: 9
Scenario 1 Affected station 4
Before Analysis

Results for: 10A IL LA SALLE BPCDT 20080611ACK CP
HAAT 415.0 m, ATV ERP 80.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6137549	36301.0
not affected by terrain losses	6032914	35655.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113215	626.2
lost to ATV IX only	113215	626.2
lost to all IX	113215	626.2

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDT	20080317ACL	CP
10A IN TERRE HAUTE	BMPEDT	20080619AEM	CP
10A MI ONONDAGA	BMPEDT	20080618AAZ	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 10A IL LA SALLE BPCDT 20080611ACK CP
HAAT 415.0 m, ATV ERP 80.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6137549	36301.0
not affected by terrain losses	6032914	35655.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113796	699.9
lost to ATV IX only	113796	699.9
lost to all IX	113796	699.9

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDT	20080317ACL	CP
10A IN TERRE HAUTE	BMPEDT	20080619AEM	CP
10A MI ONONDAGA	BMPEDT	20080618AAZ	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0098%

Result key: 10
Scenario 2 Affected station 4
Before Analysis

Results for: 10A IL LA SALLE BPCDT 20080611ACK CP
HAAT 415.0 m, ATV ERP 80.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6137549	36301.0
not affected by terrain losses	6032914	35655.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	132438	954.6
lost to ATV IX only	132438	954.6
lost to all IX	132438	954.6

Potential Interfering Stations Included in above Scenario 2

10A IL QUINCY	BMPEDT	20080619ADS	CP
10A IN TERRE HAUTE	BMPEDT	20080619AEM	CP
10A MI ONONDAGA	BMPEDT	20080618AAZ	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 10A IL LA SALLE BPCDT 20080611ACK CP
HAAT 415.0 m, ATV ERP 80.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6137549	36301.0
not affected by terrain losses	6032914	35655.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	132808	998.8
lost to ATV IX only	132808	998.8
lost to all IX	132808	998.8

Potential Interfering Stations Included in above Scenario 2

10A IL QUINCY	BMPCDT	20080619ADS	CP
10A IN TERRE HAUTE	BMPCDT	20080619AEM	CP
10A MI ONONDAGA	BMPCDT	20080618AAZ	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0063%

Worst case new IX 0.0098% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WGEM-TV	QUINCY IL	BPCDT -20080317ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WILL-TV	URBANA IL	226.9	LIC	BLEDT -20050920AEE
09	WILL-TV	URBANA IL	226.9	APP	BPEDT -20100406ABJ
10	WWTO-TV	LA SALLE IL	250.3	LIC	BLCDDT -20060630AEE
10	WWTO-TV	LA SALLE IL	250.3	CP	BPCDT -20080611ACK
10	WTHI-TV	TERRE HAUTE IN	347.0	CP MOD	BMPCDT -20080619AEM
10	KTTC	ROCHESTER MN	412.5	PLN	DTVPLN -DTVPO259
10	KOLR	SPRINGFIELD MO	334.6	CP MOD	BMPCDT -20090528ALB
10	KTTC	ROCHESTER MN	412.5	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.
10	WGEM-TV	QUINCY IL	BMPCDT -20080619ADS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WILL-TV	URBANA IL	226.9	LIC	BLEDT -20050920AEE
09	WILL-TV	URBANA IL	226.9	APP	BPEDT -20100406ABJ
10	WWTO-TV	LA SALLE IL	250.3	LIC	BLCDDT -20060630AEE
10	WWTO-TV	LA SALLE IL	250.3	CP	BPCDT -20080611ACK
10	WTHI-TV	TERRE HAUTE IN	347.0	CP MOD	BMPCDT -20080619AEM
10	KTTC	ROCHESTER MN	412.5	PLN	DTVPLN -DTVPO259

10	KOLR	SPRINGFIELD MO	334.6	CP MOD	BMPCDT -20090528ALB
10	KTTC	ROCHESTER MN	412.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	KWCM-TV	APPLETON MN	BPEDT -20080617ACY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	KMSP-TV	MINNEAPOLIS MN	225.9	CP MOD	BMPCDT -20080620ALS
09	KABY-TV	ABERDEEN SD	149.0	CP	BPCDT -20080408AEN
10	WDIO-DT	DULUTH MN	349.4	CP MOD	BMPCDT -20080620ABZ
10	KTTC	ROCHESTER MN	334.8	PLN	DTVPLN -DTVPO259
10	KBRR	THIEF RIVER FALLS MN	315.7	CP MOD	BMPCDT -20080619AEJ
10	KTSD-TV	PIERRE SD	314.2	LIC	BLEDT -20090527AGT
11	KARE	MINNEAPOLIS MN	224.7	CP	BPCDT -20100315ABP
11	KELO-TV	SIOUX FALLS SD	188.1	CP MOD	BMPCDT -20080618ADT
10	KTTC	ROCHESTER MN	334.8	APP	USERRECORD-01

Total scenarios = 1

Result key: 11
Scenario 1 Affected station 7
Before Analysis

Results for: 10A MN APPLETON BPEDT 20080617ACY CP
HAAT 381.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	255841	34294.6
not affected by terrain losses	249702	33527.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3991	655.0
lost to ATV IX only	3991	655.0
lost to all IX	3991	655.0

Potential Interfering Stations Included in above Scenario 1

9A SD ABERDEEN	BPCDT	20080408AEN	CP
10A MN DULUTH	BMPCDT	20080620ABZ	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
10A SD PIERRE	BLEDT	20090527AGT	LIC
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
10A MN ROCHESTER	DTVPLN	DTVPO259	PLN

After Analysis

Results for: 10A MN APPLETON BPEDT 20080617ACY CP

HAAT 381.0 m, ATV ERP 50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	255841	34294.6
not affected by terrain losses	249702	33527.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4101	709.4
lost to ATV IX only	4101	709.4
lost to all IX	4101	709.4

Potential Interfering Stations Included in above Scenario 1

9A SD ABERDEEN	BPCDT	20080408AEN	CP
10A MN DULUTH	BMPCDT	20080620ABZ	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
10A SD PIERRE	BLEDT	20090527AGT	LIC
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0448%

Worst case new IX 0.0448% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WDIO-DT	DULUTH MN	BMPCDT -20080620ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	KAWF	BEMIDJI MN	205.3	CP MOD	BMPCDT -20080620AHK
09	KMSP-TV	MINNEAPOLIS MN	207.2	CP MOD	BMPCDT -20080620ALS
10	WBUP	ISHPEMING MI	324.4	APP	BMPCDT -20091015AAS
10	WBUP	ISHPEMING MI	329.7	CP	BPCDT -20080402ABL
10	KWCM-TV	APPLETON MN	349.4	CP	BPEDT -20080617ACY
10	KTTC	ROCHESTER MN	358.3	PLN	DTVPLN -DTVPO259
10	KBRR	THIEF RIVER FALLS MN	362.3	CP MOD	BMPCDT -20080619AEJ
11	KRII	CHISHOLM MN	134.5	CP MOD	BMPCDT -20080619ADX
11	NEW	CHISHOLM MN	134.4	ADD	BPRM -20000920ADA
11	KARE	MINNEAPOLIS MN	207.2	CP	BPCDT -20100315ABP
10	KTTC	ROCHESTER MN	358.3	APP	USERRECORD-01

Total scenarios = 2

Result key: 12
Scenario 1 Affected station 8
Before Analysis

Results for: 10A MN DULUTH BMPCDT 20080620ABZ CP

HAAT 297.0 m, ATV ERP 45.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	334193	34674.4
not affected by terrain losses	317585	33289.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	991	243.8
lost to ATV IX only	991	243.8
lost to all IX	991	243.8

Potential Interfering Stations Included in above Scenario 1

10A MI ISHPEMING	BPCDT	20080402ABL	CP
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
10A MN ROCHESTER	DTVPLN	DTVPO259	PLN

After Analysis

Results for: 10A MN DULUTH BMPCDT 20080620ABZ CP

HAAT 297.0 m, ATV ERP 45.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	334193	34674.4
not affected by terrain losses	317585	33289.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2563	416.8
lost to ATV IX only	2563	416.8
lost to all IX	2563	416.8

Potential Interfering Stations Included in above Scenario 1

10A MI ISHPEMING	BPCDT	20080402ABL	CP
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.4965%

Result key: 13
Scenario 2 Affected station 8
Before Analysis

Results for: 10A MN DULUTH BMPCDT 20080620ABZ CP

HAAT 297.0 m, ATV ERP 45.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	334193	34674.4
not affected by terrain losses	317585	33289.2
lost to NTSC IX	0	0.0

lost to additional IX by ATV	978	240.8
lost to ATV IX only	978	240.8
lost to all IX	978	240.8

Potential Interfering Stations Included in above Scenario 2

10A MI ISHPERING	BMPCDT	20091015AAS	APP
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 10A MN DULUTH BMPCDT 20080620ABZ CP

HAAT 297.0 m, ATV ERP 45.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	334193	34674.4
not affected by terrain losses	317585	33289.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2550	413.9
lost to ATV IX only	2550	413.9
lost to all IX	2550	413.9

Potential Interfering Stations Included in above Scenario 2

10A MI ISHPERING	BMPCDT	20091015AAS	APP
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN THIEF RIVER FALLS	BMPCDT	20080619AEJ	CP
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.4965%

Worst case new IX 0.4965% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	KDIN-TV	DES MOINES IA	BLEDT	-20090612AIB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KTTC	ROCHESTER MN	218.5	PLN	DTVPLN	-DTVP0259
11	KTWU	TOPEKA KS	355.2	CP	BPEDT	-20090728ACW
11	KARE	MINNEAPOLIS MN	363.6	CP	BPCDT	-20100315ABP
11	KELO-TV	SIOUX FALLS SD	305.0	CP MOD	BMPCDT	-20080618ADT
12	KIIN	IOWA CITY IA	188.7	CP MOD	BMPCDT	-20080620AHR

10	KTTC	ROCHESTER MN	218.5	APP	USERRECORD-01
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Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	KARE	MINNEAPOLIS MN	BPCDT	-20100315ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KWCM-TV	APPLETON MN	224.7	CP	BPEDT	-20080617ACY
10	WDIO-DT	DULUTH MN	207.2	CP MOD	BMPCDT	-20080620ABZ
10	KTTC	ROCHESTER MN	175.2	PLN	DTVPLN	-DTVP0259
11	KDIN-TV	DES MOINES IA	363.6	LIC	BLEDT	-20090612AIB
11	KRII	CHISHOLM MN	311.4	CP MOD	BMPCDT	-20080619ADX
11	NEW	CHISHOLM MN	311.4	ADD	BPRM	-20000920ADA
11	KELO-TV	SIOUX FALLS SD	320.0	CP MOD	BMPCDT	-20080618ADT
11	WLUK-TV	GREEN BAY WI	412.8	CP	BPCDT	-20080313AAM
12	KEYC-TV	MANKATO MN	160.6	CP MOD	BMPCDT	-20080620AHS
10	KTTC	ROCHESTER MN	175.2	APP	USERRECORD-01	

Total scenarios = 3

Result key: 14

Scenario 1 Affected station 10

Before Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP

HAAT 455.0 m, ATV ERP 45.3 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14979	970.3
lost to ATV IX only	14979	970.3
lost to all IX	14979	970.3

Potential Interfering Stations Included in above Scenario 1

11A IA DES MOINES	BLEDT	20090612AIB	LIC
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
11A WI GREEN BAY	BPCDT	20080313AAM	CP
12A MN MANKATO	BMPCDT	20080620AHS	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP
 HAAT 455.0 m, ATV ERP 45.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15186	989.2
lost to ATV IX only	15186	989.2
lost to all IX	15186	989.2

Potential Interfering Stations Included in above Scenario 1

11A IA DES MOINES	BLEDT	20090612AIB	LIC
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
11A WI GREEN BAY	BPCDT	20080313AAM	CP
12A MN MANKATO	BMPCDT	20080620AHS	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0059%

Result key: 15
 Scenario 2 Affected station 10
 Before Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP
 HAAT 455.0 m, ATV ERP 45.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	7591	304.3
lost to additional IX by ATV	11380	765.2
lost to ATV IX only	14979	970.3
lost to all IX	18971	1069.5

Potential Interfering Stations Included in above Scenario 2

11N MN CHISHOLM	BPRM	20000920ADA	ADD
11A IA DES MOINES	BLEDT	20090612AIB	LIC
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
11A WI GREEN BAY	BPCDT	20080313AAM	CP
12A MN MANKATO	BMPCDT	20080620AHS	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP
 HAAT 455.0 m, ATV ERP 45.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	7591	304.3

lost to additional IX by ATV	11587	784.0
lost to ATV IX only	15186	989.2
lost to all IX	19178	1088.3

Potential Interfering Stations Included in above Scenario 2

11N MN CHISHOLM	BPRM	20000920ADA	ADD
11A IA DES MOINES	BLEDT	20090612AIB	LIC
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
11A WI GREEN BAY	BPCDT	20080313AAM	CP
12A MN MANKATO	BMPCDT	20080620AHS	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0059%

Result key: 16
 Scenario 3 Affected station 10
 Before Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP
 HAAT 455.0 m, ATV ERP 45.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14979	970.3
lost to ATV IX only	14979	970.3
lost to all IX	14979	970.3

Potential Interfering Stations Included in above Scenario 3

11A IA DES MOINES	BLEDT	20090612AIB	LIC
11A MN CHISHOLM	BMPCDT	20080619ADX	CP
11A SD SIOUX FALLS	BMPCDT	20080618ADT	CP
11A WI GREEN BAY	BPCDT	20080313AAM	CP
12A MN MANKATO	BMPCDT	20080620AHS	CP
10A MN ROCHESTER	DTVPLN	DTVP0259	PLN

After Analysis

Results for: 11A MN MINNEAPOLIS BPCDT 20100315ABP CP
 HAAT 455.0 m, ATV ERP 45.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3557454	43356.9
not affected by terrain losses	3533550	42129.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15186	989.2
lost to ATV IX only	15186	989.2
lost to all IX	15186	989.2

Potential Interfering Stations Included in above Scenario 3

11A IA DES MOINES	BLEDT	20090612AIB	LIC
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11A MN CHISHOLM	BMP	20080619AD	CP
11A SD SIOUX FALLS	BMP	20080618AD	CP
11A WI GREEN BAY	BPC	20080313AAM	CP
12A MN MANKATO	BMP	20080620AHS	CP
10A MN ROCHESTER	USERRECORD01		APP

Percent new IX = 0.0059%

Worst case new IX 0.0059% Scenario 2

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	KTTC	ROCHESTER MN	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
09	KCRG-TV	CEDAR RAPIDS IA	146.9	LIC	BLCDT -20090612AJN	
09	KMSP-TV	MINNEAPOLIS MN	174.4	CP MOD	BMP	-20080620ALS
10	WWT0-TV	LA SALLE IL	383.0	LIC	BLCDT	-20060630AEE
10	WWT0-TV	LA SALLE IL	383.0	CP	BPCDT	-20080611ACK
10	WGEM-TV	QUINCY IL	412.5	CP	BPCDT	-20080317ACL
10	WGEM-TV	QUINCY IL	412.5	CP MOD	BMP	-20080619ADS
10	KWCM-TV	APPLETON MN	334.8	CP	BPEDT	-20080617ACY
10	WDIO-DT	DULUTH MN	358.3	CP MOD	BMP	-20080620ABZ
11	KDIN-TV	DES MOINES IA	218.5	LIC	BLEDT	-20090612AIB
11	KARE	MINNEAPOLIS MN	175.2	CP	BPCDT	-20100315ABP

Total scenarios = 2

Result key: 17

Scenario 1 Affected station 11

Before Analysis

Results for: 10A MN ROCHESTER USERRECORD01 APP

HAAT 383.0 m, ATV ERP 43.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782793	38477.5
not affected by terrain losses	703009	36709.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29340	1110.0
lost to ATV IX only	29340	1110.0
lost to all IX	29340	1110.0

Potential Interfering Stations Included in above Scenario 1

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
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9A MN MINNEAPOLIS	BMP	20080620ALS	CP
10A IL LA SALLE	BLCDT	20060630AEE	LIC
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN DULUTH	BMP	20080620ABZ	CP
11A MN MINNEAPOLIS	BPCDT	20100315ABP	CP

Result key: 18

Scenario 2 Affected station 11

Before Analysis

Results for: 10A MN ROCHESTER USERRECORD01 APP

HAAT 383.0 m, ATV ERP 43.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	782793	38477.5
not affected by terrain losses	703009	36709.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29788	1166.7
lost to ATV IX only	29788	1166.7
lost to all IX	29788	1166.7

Potential Interfering Stations Included in above Scenario 2

9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
9A MN MINNEAPOLIS	BMP	20080620ALS	CP
10A IL LA SALLE	BPCDT	20080611ACK	CP
10A MN APPLETON	BPEDT	20080617ACY	CP
10A MN DULUTH	BMP	20080620ABZ	CP
11A MN MINNEAPOLIS	BPCDT	20100315ABP	CP

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