

KUSD\_plus\_100\_FT. txt  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-12-2009 Time: 13:15:14

Record Selected for Analysis

KUSD-TV- USERRECORD-01 VERMILLION SD US  
Channel 34 ERP 281. kW HAAT 234. m RCAMSL 00648 m  
Latitude 043-03-01 Longitude 0096-47-01  
Status APP Zone 2 Border  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50, 90) (km)
0.0	281.000	209.1	76.6
45.0	281.000	196.5	75.7
90.0	281.000	228.1	78.1
135.0	281.000	230.1	78.2
180.0	281.000	240.1	78.9
225.0	281.000	257.0	80.3
270.0	281.000	257.1	80.3
315.0	281.000	251.9	79.8

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KUSD-TV- 34 VERMILLION SD USERRECORD01

and station

SHORT TO: KSIN-TV 27 SIOUX CITY IA BMLT 20021219AAC  
042-30-53 0096-18-15  
Req. separation => 24.1 <= 96.6 Actual separation 71.3 Short 25.3( 47.2) km

SHORT TO: KWSO 36 SIOUX FALLS SD BLCT 20001108ABE  
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043-30-19 0096-34-19

Req. separation => 24.1 <= 96.6 Actual separation 53.4 Short 43.2( 29.3) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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

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Start of Interference Analysis

Channel	Call	City/State	ARN
34	KUSD-TV-	VERMILLION SD	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KSIN-TV	SIOUX CITY IA	71.2	LIC	BMLET	-20021219AAC
33	KBIN-TV	COUNCIL BLUFFS IA	214.4	LIC	BLEDT	-20050711ABX
33	KBIN-DT	COUNCIL BLUFFS IA	214.4	PLN	DTVPLN	-DTVP0900
34	KEFB	AMES IA	276.3	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	276.3	CP	BPEDT	-20080808ABH
34	KTCA-DT	ST. PAUL MN	367.7	PLN	DTVPLN	-DTVP0941
34	KSNB-DT	SUPERIOR NE	342.7	PLN	DTVPLN	-DTVP0945
35	KHIN	RED OAK IA	227.5	LIC	BLEDT	-20051116AED
35	KHIN-DT	RED OAK IA	227.5	PLN	DTVPLN	-DTVP0973
36	KWSD	SIOUX FALLS SD	53.4	LIC	BLCT	-20001108ABE

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
27	KSINTV	SIOUX CITY IA	DTVPLN	-NPLN1299

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KXNETV	NORFOLK NE	85.7	PLN	DTVPLN	-NPLN1052
20	KSMN	WORTHINGTON MN	156.4	PLN	DTVPLN	-NPLN1084
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-DTVP0410
24	KCSD-DT	SIOUX FALLS SD	118.9	PLN	DTVPLN	-DTVP0583
26	KYNETV	OMAHA NE	141.8	PLN	DTVPLN	-NPLN1285
26	KDLT-DT	MITCHELL SD	151.5	PLN	DTVPLN	-DTVP0652

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Line	Call	City/State	Dist (km)	Status	Application	Ref. No.
27	KFXA-DT	CEDAR RAPIDS IA	349.8	PLN	DTVPLN	-DTVP0671
27	KSNT	TOPEKA KS	382.8	PLN	DTVPLN	-NPLN1303
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-DTVP0674
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-DTVP0706
29	KSFY-DT	SIOUX FALLS SD	113.2	PLN	DTVPLN	-DTVP0765
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP0784
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP1158
42	KPTM	OMAHA NE	160.6	PLN	DTVPLN	-NPLN1624

Results for: 27N IA SIOUX CITY

	POPULATION	AREA (sq km)
within Noise Limited Contour	264871	19668.8
not affected by terrain losses	262459	19536.3
lost to NTSC IX	693	204.9
lost to additional IX by ATV	93	32.1
lost to all IX	786	237.0

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	KSIN-TV	SIOUX CITY IA	BMLET	-20021219AAC

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
19	KXNE-TV	NORFOLK NE	85.7	CP MOD	BMPEDT	-20080620ACC
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-DTVP0410
20	KETV	OMAHA NE	136.0	LIC	BLCDT	-20041222AED
24	KCSD-TV	SIOUX FALLS SD	121.2	LIC	BLEDT	-20040112ACM
24	KCSD-DT	SIOUX FALLS SD	118.9	PLN	DTVPLN	-DTVP0583
24	KCSD-TV	SIOUX FALLS SD	121.2	CP	BPEDT	-20080618ABO
26	KDLT-DT	MITCHELL SD	151.5	PLN	DTVPLN	-DTVP0652
27	KFXA-DT	CEDAR RAPIDS IA	349.8	PLN	DTVPLN	-DTVP0671
27	KFXA	CEDAR RAPIDS IA	349.8	LIC	BLCDT	-20050713ABD
27	KSNT	TOPEKA KS	382.9	CP	BPCDT	-20080401AIA
27	KSNT	TOPEKA KS	382.9	LIC	BLCT	-1742
27	KSNT	TOPEKA KS	382.9	LIC	BMLCT	-20051103AAQ
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-DTVP0674
28	KSIN-TV	SIOUX CITY IA	0.0	LIC	BLEDT	-20050726AMC
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-DTVP0706
29	KSFY-DT	SIOUX FALLS SD	113.1	PLN	DTVPLN	-DTVP0765
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP0784
41	KTIV	SIOUX CITY IA	10.5	CP	BPCDT	-19991101AII
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP1158
42	KPTM	OMAHA NE	160.7	LIC	BLCT	-20051121AON
42	KPTM	OMAHA NE	160.7	APP	BSTA	-20081216AOG
34	KUSD-TV-	VERMILLION SD	71.2	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

## DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
33	KBIN-DT	COUNCIL BLUFFS IA	DTVPLN	-DTVP0900

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
32	KBINTV	COUNCIL BLUFFS IA	0.0	PLN	DTVPLN	-NPLN1427
33	KWCV	WICHITA KS	410.9	PLN	DTVPLN	-NPLN1448

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Channel	Call	City/State	Distance (km)	Status	Application Ref. No.
33	KAAL-DT	AUSTIN MN	343.5	PLN	DTVPLN -DTVP0905
33	KTVO-DT	KIRKSVILLE MO	296.3	PLN	DTVPLN -DTVP0907
34	NEW	AMES IA	206.3	PLN	DTVPLN -NPLN1473
34	KSNB-DT	SUPERIOR NE	218.5	PLN	DTVPLN -DTVP0945

Results for: 33A IA COUNCIL BLUFFS DTVPLN DTVP0900 PLN  
 HAAT 98.0 m, ATVEP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	641909	6360.4
not affected by terrain losses	641861	6348.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10	8.0
lost to ATV IX only	10	8.0
lost to all IX	10	8.0

## NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
32	KBINTV	COUNCIL BLUFFS IA	DTVPLN -NPLN1427

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	KOLN-DT	LINCOLN NE	123.4	PLN	DTVPLN -DTVP0610
31	KCCI-DT	DES MOINES IA	194.3	PLN	DTVPLN -DTVP0821
31	KLKN-DT	LINCOLN NE	129.9	PLN	DTVPLN -DTVP0833
32	KRIN	WATERLOO IA	350.0	PLN	DTVPLN -NPLN1428
32	WTJR-DT	QUINCY IL	406.1	PLN	DTVPLN -DTVP0863
32	KCWB	KANSAS CITY MO	290.3	PLN	DTVPLN -NPLN1432
32	KGIN-DT	GRAND ISLAND NE	260.0	PLN	DTVPLN -DTVP0871
32	KELO-DT	SIOUX FALLS SD	258.2	PLN	DTVPLN -DTVP0881
33	KBIN-DT	COUNCIL BLUFFS IA	0.0	PLN	DTVPLN -DTVP0900
35	KHIN-DT	RED OAK IA	49.4	PLN	DTVPLN -DTVP0973
36	KHIN	RED OAK IA	49.4	PLN	DTVPLN -NPLN1518
40	KUON-DT	LINCOLN NE	53.4	PLN	DTVPLN -DTVP1133

Results for: 32N IA COUNCIL BLUFFS DTVPLN NPLN1427 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	641909	6360.4
not affected by terrain losses	634386	6220.2
lost to NTSC IX	3705	428.8
lost to additional IX by ATV	5389	268.5
lost to all IX	9094	697.4

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	KBIN-TV	COUNCIL BLUFFS IA	BLEDT -20050711ABX

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	KBIN-TV	COUNCIL BLUFFS IA	0.0	LIC	BLET -19860923KL
33	KAAL-DT	AUSTIN MN	343.5	PLN	DTVPLN -DTVP0905
33	KTVO-DT	KIRKSVILLE MO	296.3	PLN	DTVPLN -DTVP0907
34	KEFB	AMES IA	191.9	LIC	BLET -20051125ACY
34	KEFB	AMES IA	191.9	CP	BPEDT -20080808ABH
34	KSNB-DT	SUPERIOR NE	218.4	PLN	DTVPLN -DTVP0945
34	KUSD-TV-	VERMILLION SD	214.4	APP	USERRECORD-01

Proposed station is beyond the site to  
 nearest cell evaluation distance

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	KBIN-DT	COUNCIL BLUFFS IA	DTVPLN	-DTVP0900

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KBIN-TV	COUNCIL BLUFFS IA	0.0	LIC	BLET	-19860923KL
33	KAAL-DT	AUSTIN MN	343.5	PLN	DTVPLN	-DTVP0905
33	KTVO-DT	KIRKSVILLE MO	296.3	PLN	DTVPLN	-DTVP0907
34	KEFB	AMES IA	191.9	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	191.9	CP	BPEDT	-20080808ABH
34	KSNB-DT	SUPERIOR NE	218.5	PLN	DTVPLN	-DTVP0945
34	KUSD-TV-	VERMILLION SD	214.4	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 4

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
34	NEW	AMES IA	DTVPLN	-NPLN1473

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KBTB-DT	DES MOINES IA	24.2	PLN	DTVPLN	-DTVP0634
27	KFXA-DT	CEDAR RAPIDS IA	123.1	PLN	DTVPLN	-DTVP0671
31	KCCI-DT	DES MOINES IA	24.2	PLN	DTVPLN	-DTVP0821
33	KBIN-DT	COUNCIL BLUFFS IA	206.3	PLN	DTVPLN	-DTVP0900
33	KAAL-DT	AUSTIN MN	181.5	PLN	DTVPLN	-DTVP0905
33	KTVO-DT	KIRKSVILLE MO	191.3	PLN	DTVPLN	-DTVP0907
34	KQCT-DT	DAVENPORT IA	254.4	PLN	DTVPLN	-DTVP0934
34	WQEC-DT	QUINCY IL	296.4	PLN	DTVPLN	-DTVP0937
34	KTCA-DT	ST. PAUL MN	339.1	PLN	DTVPLN	-DTVP0941
34	WDAF-DT	KANSAS CITY MO	339.3	PLN	DTVPLN	-DTVP0942
35	KHIN-DT	RED OAK IA	158.6	PLN	DTVPLN	-DTVP0973
35	KRIN-DT	WATERLOO IA	145.1	PLN	DTVPLN	-DTVP0974
48	KTVC	CEDAR RAPIDS IA	142.6	PLN	DTVPLN	-NPLN1731

Results for: 34N IA AMES	DTVPLN	NPLN1473	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	83002	1582.1	
not affected by terrain losses	83002	1582.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	12	8.0	
lost to all IX	12	8.0	

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KEFB	AMES IA	BLET	-20051125ACY

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	KBTB-DT	DES MOINES IA	21.3	PLN	DTVPLN	-DTVP0634
27	KFXA-DT	CEDAR RAPIDS IA	137.0	PLN	DTVPLN	-DTVP0671
27	KFXA	CEDAR RAPIDS IA	137.0	LIC	BLCDDT	-20050713ABD
31	KCCI-DT	DES MOINES IA	21.3	PLN	DTVPLN	-DTVP0821
31	KCCI	DES MOINES IA	21.3	LIC	BLCDDT	-20050628ABX
33	KBIN-TV	COUNCIL BLUFFS IA	191.9	LIC	BLEDT	-20050711ABX
33	KBIN-DT	COUNCIL BLUFFS IA	191.9	PLN	DTVPLN	-DTVP0900
33	KAAL-DT	AUSTIN MN	189.3	PLN	DTVPLN	-DTVP0905
33	KTVB-DT	KIRKSVILLE MO	194.3	PLN	DTVPLN	-DTVP0907
34	KQIN	DAVENPORT IA	288.8	CP	BPEDT	-20080620AIO
34	KQCT-DT	DAVENPORT IA	266.8	PLN	DTVPLN	-DTVP0934
34	WQEC-DT	QUINCY IL	301.8	PLN	DTVPLN	-DTVP0937
34	KTCA-DT	ST. PAUL MN	345.7	PLN	DTVPLN	-DTVP0941
34	WDAF-DT	KANSAS CITY MO	331.2	PLN	DTVPLN	-DTVP0942
34	WDAF-TV	KANSAS CITY MO	331.2	CP	BPCDDT	-20080618ATE
35	KHIN	RED OAK IA	144.4	LIC	BLEDT	-20051116AED
35	KHIN-DT	RED OAK IA	144.4	PLN	DTVPLN	-DTVP0973
35	KRIN	WATERLOO IA	159.5	LIC	BLEDT	-20050218ABQ
35	KRIN-DT	WATERLOO IA	159.5	PLN	DTVPLN	-DTVP0974
48	KPXR	CEDAR RAPIDS IA	156.9	LIC	BLCT	-19970513KE
48	KPXR	CEDAR RAPIDS IA	156.9	APP	BSTA	-20080623ADE
34	KUSD-TV-	VERMILLION SD	276.3	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.
34	KEFB	AMES IA	BPEDT	-20080808ABH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KBIN-TV	COUNCIL BLUFFS IA	191.9	LIC	BLEDT	-20050711ABX
33	KBIN-DT	COUNCIL BLUFFS IA	191.9	PLN	DTVPLN	-DTVP0900
33	KAAL-DT	AUSTIN MN	189.3	PLN	DTVPLN	-DTVP0905
33	KTVB-DT	KIRKSVILLE MO	194.3	PLN	DTVPLN	-DTVP0907
34	KQIN	DAVENPORT IA	288.8	CP	BPEDT	-20080620AIO
34	KQCT-DT	DAVENPORT IA	266.8	PLN	DTVPLN	-DTVP0934
34	WQEC-DT	QUINCY IL	301.8	PLN	DTVPLN	-DTVP0937
34	KTCA-DT	ST. PAUL MN	345.7	PLN	DTVPLN	-DTVP0941
34	WDAF-DT	KANSAS CITY MO	331.2	PLN	DTVPLN	-DTVP0942
34	WDAF-TV	KANSAS CITY MO	331.2	CP	BPCDDT	-20080618ATE
34	KSNB-DT	SUPERIOR NE	408.8	PLN	DTVPLN	-DTVP0945
35	KHIN	RED OAK IA	144.4	LIC	BLEDT	-20051116AED
35	KHIN-DT	RED OAK IA	144.4	PLN	DTVPLN	-DTVP0973
35	KRIN	WATERLOO IA	159.5	LIC	BLEDT	-20050218ABQ
35	KRIN-DT	WATERLOO IA	159.5	PLN	DTVPLN	-DTVP0974
34	KUSD-TV-	VERMILLION SD	276.3	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 6

DTV Baseline Analysis

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Channel	Call	City/State	Application	Ref. No.
34	KTCA-DT	ST. PAUL MN	DTVPLN	-DTVP0941

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KAAL-DT	AUSTIN MN	159.0	PLN	DTVPLN	-DTVP0905
33	KDLH-DT	DULUTH MN	207.0	PLN	DTVPLN	-DTVP0906
34	NEW	AMES IA	339.1	PLN	DTVPLN	-NPLN1473
34	WYOW	EAGLE RIVER WI	312.7	PLN	DTVPLN	-NPLN1487
35	KARE-DT	MINNEAPOLIS MN	1.3	PLN	DTVPLN	-DTVP0980

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATVEP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	4415	257.7
lost to additional IX by ATV	17021	342.3
lost to ATV IX only	17021	342.3
lost to all IX	21436	600.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
02	KTCATV	ST. PAUL MN	DTVPLN	-NPLN0173

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KGAN	CEDAR RAPIDS IA	322.9	PLN	DTVPLN	-NPLN0163
02	KUSDTV	VERMILLION SD	367.9	PLN	DTVPLN	-NPLN0195
02	WBAYTV	GREEN BAY WI	410.8	PLN	DTVPLN	-NPLN0205
03	KIMT	MASON CITY IA	188.8	PLN	DTVPLN	-NPLN0222
03	KDLH	DULUTH MN	207.0	PLN	DTVPLN	-NPLN0234

Results for: 2N MN ST. PAUL DTVPLN NPLN0173 PLN  
 POPULATION AREA (sq km)

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2965729	37710.0
lost to NTSC IX	57146	3274.1
lost to additional IX by ATV	0	0.0
lost to all IX	57146	3274.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KTCA-DT	ST. PAUL MN	DTVPLN	-DTVP0941

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KAAL-DT	AUSTIN MN	159.0	PLN	DTVPLN	-DTVP0905
33	KDLH-DT	DULUTH MN	207.0	PLN	DTVPLN	-DTVP0906
34	KEFB	AMES IA	345.7	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	345.7	CP	BPEDT	-20080808ABH
35	KARE	MINNEAPOLIS MN	1.3	LIC	BLCDT	-20010917ABZ
35	KARE-DT	MINNEAPOLIS MN	1.3	PLN	DTVPLN	-DTVP0980
35	NEW	WINONA MN	166.7	APP	BNPET	-20010220AAT
35	NEW	WINONA MN	168.4	APP	BNPET	-20010220AAU
35	NEW	WINONA MN	166.7	APP	BNPET	-20010220AAT
35	960725KX	WINONA MN	169.2	APP	BPET	-19960725KX
35	NEW	WINONA MN	162.6	APP	BNPET	-20010220AAV
34	KUSD-TV-	VERMILLION SD	367.7	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1  
 Scenario 1 Affected station 6  
 Before Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17072	358.4
lost to ATV IX only	17072	358.4
lost to all IX	17800	362.4

Potential Interfering Stations Included in above Scenario 1

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	BLCDT	20010917ABZ	LIC

After Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17072	358.4
lost to ATV IX only	17800	362.4
lost to all IX	17800	362.4

Potential Interfering Stations Included in above Scenario 1

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	BLCDT	20010917ABZ	LIC
34A SD VERMILLION	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0941
*Percent Service lost with proposal:	-0.1	to DTVPLN	DTVP0941

Result key: 2  
 Scenario 2 Affected station 6  
 Before Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17021	342.3
lost to ATV IX only	17021	342.3
lost to all IX	17749	346.3

Potential Interfering Stations Included in above Scenario 2

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN



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 35A MN MINNEAPOLIS DTVPLN DTVP0980 PLN

After Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17021	342.3
lost to ATV IX only	17749	346.3
lost to all IX	17749	346.3

Potential Interfering Stations Included in above Scenario 2

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	DTVPLN	DTVP0980	PLN
34A SD VERMILLION	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0941
*Percent Service lost with proposal:	-0.1	to DTVPLN	DTVP0941

Result key: 3  
 Scenario 3 Affected station 6  
 Before Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17072	358.4
lost to ATV IX only	17072	358.4
lost to all IX	17800	362.4

Potential Interfering Stations Included in above Scenario 3

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	BLC DT	20010917ABZ	LIC

After Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17072	358.4
lost to ATV IX only	17800	362.4
lost to all IX	17800	362.4

Potential Interfering Stations Included in above Scenario 3

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	BLC DT	20010917ABZ	LIC
34A SD VERMILLION	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0941

\*Percent Service Lost with proposal: -0.1 to DTVPLN DTVP0941

Result key: 4  
 Scenario 4 Affected station 6  
 Before Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17021	342.3
lost to ATV IX only	17021	342.3
lost to all IX	17749	346.3

Potential Interfering Stations Included in above Scenario 4

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	DTVPLN	DTVP0980	PLN

After Analysis

Results for: 34A MN ST. PAUL DTVPLN DTVP0941 PLN  
 HAAT 399.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2999995	38809.4
not affected by terrain losses	2987198	38084.5
lost to NTSC IX	728	4.0
lost to additional IX by ATV	17021	342.3
lost to ATV IX only	17749	346.3
lost to all IX	17749	346.3

Potential Interfering Stations Included in above Scenario 4

34N IA AMES	BLET	20051125ACY	LIC
33A MN AUSTIN	DTVPLN	DTVP0905	PLN
35A MN MINNEAPOLIS	DTVPLN	DTVP0980	PLN
34A SD VERMILLION	USERRECORD01		APP
*Percent Service Lost without proposal:	-0.1	to DTVPLN	DTVP0941
*Percent Service Lost with proposal:	-0.1	to DTVPLN	DTVP0941

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### Analysis of Interference to Affected Station 7

#### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
34	KSNB-DT	SUPERIOR NE	DTVPLN	-DTVP0945

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KBIN-DT	COUNCIL BLUFFS IA	218.5	PLN	DTVPLN	-DTVP0900
34	NEW	AMES IA	423.0	PLN	DTVPLN	-NPLN1473
34	WDAF-DT	KANSAS CITY MO	306.3	PLN	DTVPLN	-DTVP0942

Results for: 34A NE SUPERIOR DTVPLN DTVP0945 PLN

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HAAT 344.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	240261	35834.6
not affected by terrain losses	238860	35471.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2968	338.5
lost to ATV IX only	2968	338.5
lost to all IX	2968	338.5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
04	KSNBTV	SUPERIOR NE	DTVPLN	-NPLN0306

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KLNETV	LEXINGTON NE	134.6	PLN	DTVPLN	-NPLN0243
03	KMTV	OMAHA NE	209.4	PLN	DTVPLN	-NPLN0244
04	KTIV	SIOUX CITY IA	311.5	PLN	DTVPLN	-NPLN0286
04	KLBY	COLBY KS	307.8	PLN	DTVPLN	-NPLN0290
04	WDAFTV	KANSAS CITY MO	306.3	PLN	DTVPLN	-NPLN0296

Results for: 4N NE SUPERIOR	DTVPLN	NPLN0306	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	235561	35113.3	
lost to NTSC IX	119732	10542.4	
lost to additional IX by ATV	0	0.0	
lost to all IX	119732	10542.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KSNB-DT	SUPERIOR NE	DTVPLN	-DTVP0945

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KBIN-TV	COUNCIL BLUFFS IA	218.4	LIC	BLEDT	-20050711ABX
33	KBIN-DT	COUNCIL BLUFFS IA	218.5	PLN	DTVPLN	-DTVP0900
34	KEFB	AMES IA	408.8	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	408.8	CP	BPEDT	-20080808ABH
34	WDAF-DT	KANSAS CITY MO	306.3	PLN	DTVPLN	-DTVP0942
34	WDAF-TV	KANSAS CITY MO	306.3	CP	BPCDT	-20080618ATE
34	KUSD-TV-	VERMILLION SD	342.7	APP	USERRECORD-01	

Total scenarios = 4

Result key: 5  
 Scenario 1 Affected station 7  
 Before Analysis

Results for: 34A NE SUPERIOR	DTVPLN	DTVP0945	PLN
HAAT 344.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	238860	35471.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2968	338.5	
lost to ATV IX only	2968	338.5	
lost to all IX	2968	338.5	

Potential Interfering Stations Included in above Scenario 1

34A MO KANSAS CITY                      DTVPLN      DTVP0942      PLN

After Analysis

Results for: 34A NE SUPERIOR                      DTVPLN      DTVP0945      PLN

HAAT 344.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	240261	35834.6
not affected by terrain losses	238860	35471.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3004	346.6
lost to ATV IX only	3004	346.6
lost to all IX	3004	346.6

Potential Interfering Stations Included in above Scenario 1

34A MO KANSAS CITY                      DTVPLN      DTVP0942      PLN

34A SD VERMILLION                      USERRECORD01      APP

\*Percent Service lost without proposal: 0.0 to DTVPLN DTVP0945

\*Percent Service lost with proposal: 0.0 to DTVPLN DTVP0945

Result key: 6  
Scenario 2 Affected station 7  
Before Analysis

Results for: 34A NE SUPERIOR                      DTVPLN      DTVP0945      PLN

HAAT 344.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	240261	35834.6
not affected by terrain losses	238860	35471.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3027	403.0
lost to ATV IX only	3027	403.0
lost to all IX	3027	403.0

Potential Interfering Stations Included in above Scenario 2

34A MO KANSAS CITY                      BPCDT      20080618ATE      CP

After Analysis

Results for: 34A NE SUPERIOR                      DTVPLN      DTVP0945      PLN

HAAT 344.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	240261	35834.6
not affected by terrain losses	238860	35471.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3063	411.1
lost to ATV IX only	3063	411.1
lost to all IX	3063	411.1

Potential Interfering Stations Included in above Scenario 2

34A MO KANSAS CITY                      BPCDT      20080618ATE      CP

34A SD VERMILLION                      USERRECORD01      APP

\*Percent Service lost without proposal: 0.0 to DTVPLN DTVP0945

\*Percent Service lost with proposal: 0.0 to DTVPLN DTVP0945

Result key: 7  
Scenario 3 Affected station 7

## Before Analysis

Results for: 34A NE SUPERIOR	DTVPLN	DTVP0945	PLN
HAAT 344.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	238860	35471.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2968	338.5	
lost to ATV IX only	2968	338.5	
lost to all IX	2968	338.5	

Potential Interfering Stations Included in above Scenario 3

34A MO KANSAS CITY	DTVPLN	DTVP0942	PLN
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## After Analysis

Results for: 34A NE SUPERIOR	DTVPLN	DTVP0945	PLN
HAAT 344.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	238860	35471.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3004	346.6	
lost to ATV IX only	3004	346.6	
lost to all IX	3004	346.6	

Potential Interfering Stations Included in above Scenario 3

34A MO KANSAS CITY	DTVPLN	DTVP0942	PLN
34A SD VERMILLION	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0945
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0945

Result key: 8  
 Scenario 4 Affected station 7  
 Before Analysis

Results for: 34A NE SUPERIOR	DTVPLN	DTVP0945	PLN
HAAT 344.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	238860	35471.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3027	403.0	
lost to ATV IX only	3027	403.0	
lost to all IX	3027	403.0	

Potential Interfering Stations Included in above Scenario 4

34A MO KANSAS CITY	BPCDT	20080618ATE	CP
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## After Analysis

Results for: 34A NE SUPERIOR	DTVPLN	DTVP0945	PLN
HAAT 344.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	240261	35834.6	
not affected by terrain losses	238860	35471.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3063	411.1	

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lost to ATV IX only	3063	411.1
lost to all IX	3063	411.1

Potential Interfering Stations Included in above Scenario 4

34A MO KANSAS CITY	BPCDT	20080618ATE	CP	
34A SD VERMILLION	USERRECORD01		APP	
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0945	
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0945	

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## Analysis of Interference to Affected Station 8

## DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
35	KHIN-DT	RED OAK IA	DTVPLN	-DTVP0973

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	NEW	AMES IA	158.6	PLN	DTVPLN	-NPLN1473
35	KRIN-DT	WATERLOO IA	301.4	PLN	DTVPLN	-DTVP0974
35	NEW -DT	HUTCHINSON KS	426.8	PLN	DTVPLN	-DTVP0977
36	KHIN	RED OAK IA	0.0	PLN	DTVPLN	-NPLN1518

Results for: 35A IA RED OAK DTVPLN DTVP0973 PLN

HAAT 475.0 m, ATV ERP 63.1 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	748432	20371.7
not affected by terrain losses	748042	20227.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54	12.0
lost to ATV IX only	54	12.0
lost to all IX	54	12.0

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
36	KHIN	RED OAK IA	DTVPLN	-NPLN1518

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	KBIN-DT	COUNCIL BLUFFS IA	49.4	PLN	DTVPLN	-DTVP0900
35	KHIN-DT	RED OAK IA	0.0	PLN	DTVPLN	-DTVP0973
36	KQCT	DAVENPORT IA	390.3	PLN	DTVPLN	-NPLN1517
36	KMCI -DT	LAWRENCE KS	272.2	PLN	DTVPLN	-DTVP1015
36	KTTC-DT	ROCHESTER MN	339.2	PLN	DTVPLN	-DTVP1021
36	KOMU-DT	COLUMBIA MO	373.1	PLN	DTVPLN	-DTVP1022
36	KHGI -DT	KEARNEY NE	312.4	PLN	DTVPLN	-DTVP1026
36	NEW	SIOUX FALLS SD	301.7	PLN	DTVPLN	-NPLN1530
38	KXVO-DT	OMAHA NE	86.6	PLN	DTVPLN	-DTVP1057
40	KUON-DT	LINCOLN NE	102.8	PLN	DTVPLN	-DTVP1133
43	NEW	DES MOINES IA	143.1	PLN	DTVPLN	-NPLN1638
43	KPTM-DT	OMAHA NE	86.6	PLN	DTVPLN	-DTVP1234

Results for: 36N IA RED OAK DTVPLN NPLN1518 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	748416	20367.7
not affected by terrain losses	746054	20015.6

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lost to NTSC IX	916	88.0
lost to additional IX by ATV	20352	380.1
lost to all IX	21268	468.1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	KHIN	RED OAK IA	BLEDT	-20051116AED

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KEFB	AMES IA	144.4	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	144.4	CP	BPEDT	-20080808ABH
35	KRIN	WATERLOO IA	301.4	LIC	BLEDT	-20050218ABQ
35	KRIN-DT	WATERLOO IA	301.4	PLN	DTVPLN	-DTVP0974
35	KMTW	HUTCHINSON KS	424.8	LIC	BLCDDT	-20030117AAE
35	NEW -DT	HUTCHINSON KS	426.8	PLN	DTVPLN	-DTVP0977
35	NEW	WINONA MN	408.5	APP	BNPET	-20010220AAT
35	NEW	WINONA MN	423.1	APP	BNPET	-20010220AAU
35	NEW	WINONA MN	408.5	APP	BNPET	-20010220AAT
35	960725KX	WINONA MN	409.8	APP	BPET	-19960725KX
35	NEW	WINONA MN	418.6	APP	BNPET	-20010220AAV
36	KHIN	RED OAK IA	0.0	LIC	BLET	-19860923KP
34	KUSD-TV-	VERMILLION SD	227.5	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.
35	KHIN-DT	RED OAK IA	DTVPLN	-DTVP0973

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KEFB	AMES IA	144.4	LIC	BLET	-20051125ACY
34	KEFB	AMES IA	144.4	CP	BPEDT	-20080808ABH
35	KRIN	WATERLOO IA	301.4	LIC	BLEDT	-20050218ABQ
35	KRIN-DT	WATERLOO IA	301.4	PLN	DTVPLN	-DTVP0974
35	KMTW	HUTCHINSON KS	424.8	LIC	BLCDDT	-20030117AAE
35	NEW -DT	HUTCHINSON KS	426.8	PLN	DTVPLN	-DTVP0977
35	NEW	WINONA MN	408.5	APP	BNPET	-20010220AAT
35	NEW	WINONA MN	423.1	APP	BNPET	-20010220AAU
35	NEW	WINONA MN	408.5	APP	BNPET	-20010220AAT
35	960725KX	WINONA MN	409.8	APP	BPET	-19960725KX
35	NEW	WINONA MN	418.6	APP	BNPET	-20010220AAV
36	KHIN	RED OAK IA	0.0	LIC	BLET	-19860923KP
34	KUSD-TV-	VERMILLION SD	227.5	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 10

NTSC Baseline Analysis

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Channel	Call	City/State	Application	Ref. No.
36	NEW	SIOUX FALLS SD	DTVPLN	-NPLN1530

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	KSFY-DT	SIOUX FALLS SD	39.2	PLN	DTVPLN	-DTVP0765
32	KELO-DT	SIOUX FALLS SD	39.2	PLN	DTVPLN	-DTVP0881
36	KHIN	RED OAK IA	301.7	PLN	DTVPLN	-NPLN1518
36	KTTC-DT	ROCHESTER MN	338.5	PLN	DTVPLN	-DTVP1021
36	KHGI-DT	KEARNEY NE	401.6	PLN	DTVPLN	-DTVP1026
40	NEW -DT	SIOUX FALLS SD	0.0	PLN	DTVPLN	-DTVP1140
43	KRWF	REDWOOD FALLS MN	113.3	PLN	DTVPLN	-NPLN1642

Results for: 36N SD SIOUX FALLS	DTVPLN	NPLN1530	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	227911	15253.8	
not affected by terrain losses	227824	15225.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	626	80.4	
lost to all IX	626	80.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	KWSD	SIOUX FALLS SD	BLCT	-20001108ABE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	KSIN-TV	SIOUX CITY IA	112.2	LIC	BLEDT	-20050726AMC
28	KSIN-DT	SIOUX CITY IA	112.2	PLN	DTVPLN	-DTVP0706
29	KSFY-DT	SIOUX FALLS SD	3.3	PLN	DTVPLN	-DTVP0765
32	KELO-DT	SIOUX FALLS SD	3.3	PLN	DTVPLN	-DTVP0881
36	KHIN	RED OAK IA	263.3	LIC	BLET	-19860923KP
36	KSAXDR	ALEXANDRIA MN	267.7	LIC	BPRM	-20010423AFQ
36	KAAL	AUSTIN MN	326.1	APP	BPCDT	-20080422AAE
36	KTTC-DT	ROCHESTER MN	334.0	PLN	DTVPLN	-DTVP1021
36	KHGI-DT	KEARNEY NE	368.8	PLN	DTVPLN	-DTVP1026
39	KMEG-DT	SIOUX CITY IA	112.2	PLN	DTVPLN	-DTVP1087
39	KMEG	SIOUX CITY IA	106.0	LIC	BLCDT	-20070129AAZ
40	NEW -DT	SIOUX FALLS SD	40.3	PLN	DTVPLN	-DTVP1140
51	KAUN-TV	SIOUX FALLS SD	0.0	LIC	BPRM	-20000728AAA
51	KWSD	SIOUX FALLS SD	0.0	LIC	BLCDT	-20060712ABB
34	KUSD-TV-	VERMILLION SD	53.4	APP	USERRECORD-01	

Total scenarios = 3

Result key: 9  
 Scenario 1 Affected station 10  
 Before Analysis

Results for: 36N SD SIOUX FALLS	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	3132	387.7	
lost to all IX	3143	391.7	

Potential Interfering Stations Included in above Scenario 1

36N IA RED OAK	BLET	19860923KP	LIC
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36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN ROCHESTER	DTVPLN	DTVP1021	PLN
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN

#### After Analysis

Results for: 36N SD SIOUX FALLS

	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	4968	779.4	
lost to all IX	4979	783.4	

Potential Interfering Stations Included in above Scenario 1

36N IA RED OAK	BLET	19860923KP	LIC
36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN ROCHESTER	DTVPLN	DTVP1021	PLN
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN
34A SD VERMILLION	USERRECORD01		APP

\*Percent new DTV interference without proposal: 1.5 BLCT 20001108ABE

\*Percent new DTV interference with proposal: 2.4 BLCT 20001108ABE

Result key: 10  
 Scenario 2 Affected station 10  
 Before Analysis

Results for: 36N SD SIOUX FALLS

	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	3132	387.7	
lost to all IX	3143	391.7	

Potential Interfering Stations Included in above Scenario 2

36N IA RED OAK	BLET	19860923KP	LIC
36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN AUSTIN	BPCDT	20080422AAE	APP
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN

#### After Analysis

Results for: 36N SD SIOUX FALLS

	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	4968	779.4	
lost to all IX	4979	783.4	

Potential Interfering Stations Included in above Scenario 2

36N IA RED OAK	BLET	19860923KP	LIC
36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN AUSTIN	BPCDT	20080422AAE	APP
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN
34A SD VERMILLION	USERRECORD01		APP

\*Percent new DTV interference without proposal: 1.5 BLCT 20001108ABE

\*Percent new DTV interference with proposal: 2.4 BLCT 20001108ABE

Result key: 11  
 Scenario 3 Affected station 10  
 Before Analysis

Results for: 36N SD SIOUX FALLS	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	3132	387.7	
lost to all IX	3143	391.7	

Potential Interfering Stations Included in above Scenario 3

36N IA RED OAK	BLET	19860923KP	LIC
36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN ROCHESTER	DTVPLN	DTVP1021	PLN
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN

After Analysis

Results for: 36N SD SIOUX FALLS	BLCT	20001108ABE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	208197	13810.2	
not affected by terrain losses	208143	13782.2	
lost to NTSC IX	11	4.0	
lost to additional IX by ATV	4968	779.4	
lost to all IX	4979	783.4	

Potential Interfering Stations Included in above Scenario 3

36N IA RED OAK	BLET	19860923KP	LIC
36A MN ALEXANDRIA	BPRM	20010423AFQ	LIC
36A MN ROCHESTER	DTVPLN	DTVP1021	PLN
40A SD SIOUX FALLS	DTVPLN	DTVP1140	PLN
34A SD VERMILLION	USERRECORD01		APP

*Percent new DTV interference without proposal:	1.5	BLCT	20001108ABE
*Percent new DTV interference with proposal:	2.4	BLCT	20001108ABE

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### Analysis of Interference to Affected Station 11

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	KUSD-TV-	VERMILLION SD	USERRECORD-01

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	KBIN-TV	COUNCIL BLUFFS IA	214.4	LIC	BLEDT -20050711ABX
33	KBIN-DT	COUNCIL BLUFFS IA	214.4	PLN	DTVPLN -DTVP0900
34	KEFB	AMES IA	276.3	LIC	BLET -20051125ACY
34	KEFB	AMES IA	276.3	CP	BPEDT -20080808ABH
34	KTCA-DT	ST. PAUL MN	367.7	PLN	DTVPLN -DTVP0941
34	KSNB-DT	SUPERIOR NE	342.7	PLN	DTVPLN -DTVP0945
35	KHIN	RED OAK IA	227.5	LIC	BLEDT -20051116AED
35	KHIN-DT	RED OAK IA	227.5	PLN	DTVPLN -DTVP0973

# KUSD\_plus\_100\_FT. txt

Total scenarios = 1

Result key: 12  
 Scenario 1 Affected station 11  
 Before Analysis

Results for: 34A SD VERMILLION USERRECORD01 APP  
 HAAT 234.0 m, ATV ERP 281.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	372216	19580.2
not affected by terrain losses	369591	19552.0
lost to NTSC IX	23	4.0
lost to additional IX by ATV	414	8.1
lost to ATV IX only	437	12.1
lost to all IX	437	12.1

Potential Interfering Stations Included in above Scenario 1

34N IA AMES	BLET	20051125ACY	LIC
34A IA AMES	BPEDT	20080808ABH	CP
34A NE SUPERIOR	DTVPLN	DTVP0945	PLN

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