

NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
KXNE-DT, 385 kW
Early Pre-Transition DTV Operation
January 2009

The applicant proposes to change the channel of its DTV assignment to the channel occupied by its current analog channel. If granted, the attached request for STA will allow NETC to begin transmitting DTV immediately on its analog channel for which it has a post transition construction permit.

We are given to understand that the Commission will allow such early transitions if no new interference is caused by this operation. To calculate the interference levels caused by the early DTV transition, we first studied the analog station to determine the level of interference the station causes to other stations. Next, we studied the DTV station's level of interference on the same channel and compared the difference. The attached study shows that at no time was the percentage of interfered population caused by the DTV station larger than that already caused interference by the analog station.

The attached OET-69 computerized analyses were run on a Sun SPARC workstation. The computer program is the identical program, written by Bill Meintel, which is used by the FCC for its DTV analysis. The answers derived by this program should be identical to those the Commission receives in its own offices.

For these studies, results of interference to allocation plans were not considered, since only protection to the licenses and construction permits are pertinent during the early transition period.

The analysis shows that there is no increase of interference to all relevant stations by the proposal. To establish a baseline, we analyzed the existing level of interference caused by KXNE-TV's licensed analog operation (BLET-20040413ABI) on Channel 19 with 1683 kW. (See Attachment A.) This study shows that interference is caused by KXNE-TV to KTVG, Channel 19 in Grand Island and KSIN-TV, Channel 27 in Sioux City.

We then studied the proposed KXNE-DT operation on Channel 19 with 385 kW, included as Attachment B, the OET-69 analysis of the proposed DTV station showed that there is no increase in interference to either of the identified stations nor any other stations.

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-23-2009 Time: 11:43:24

Record Selected for Analysis

KXNE-TV USERRECORD-01 NORFOLK NE US
 Channel 19 ERP 1683. kW HAAT 322. m RCAMSL 00841 m
 Latitude 042-14-15 Longitude 0097-16-41
 Status APP Zone 2 Border Offset +
 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)	64.0 dBu F(50,50) (km)
0.0	546.807	324.5	66.8
45.0	271.980	340.7	63.0
90.0	1659.520	356.6	78.4
135.0	188.311	338.4	60.4
180.0	787.402	301.9	67.7
225.0	1196.022	306.5	71.2
270.0	99.379	313.4	54.7
315.0	1384.518	295.1	71.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KXNE-TV 19 NORFOLK NE USERRECORD01

and station

SHORT TO: KTVG-DT 19 GRAND ISLAND NE DTVPLN DTVP0364
 40-43-43 98-34-12
 Req. separation 244.6 Actual separation 199.3 Short 45.3 km

SHORT TO: KTVG 19 GRAND ISLAND NE BPCDT 19991015ABA
040-43-44 0098-34-13
Req. separation 244.6 Actual separation 199.3 Short 45.3 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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
19	KXNE-TV	NORFOLK NE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	960912KE	CARROLL IA	200.8	APP	BPET	-
19960912KE						
19	WHO-DT	DES MOINES IA	306.2	PLN	DTVPLN	-
DTVP0349						
19	KTVG-DT	GRAND ISLAND NE	199.2	PLN	DTVPLN	-
DTVP0364						
19	KTVG	GRAND ISLAND NE	199.2	CP	BPCDT	-
19991015ABA						
19	KPRY-DT	PIERRE SD	304.0	PLN	DTVPLN	-
DTVP0370						
20	KETV-DT	OMAHA NE	146.3	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	146.4	LIC	BLCDDT	-
20041222AED						
26	KYNE-TV	OMAHA NE	151.4	LIC	BLET	-
19801016KG						
27	KSIN-TV	SIOUX CITY IA	85.7	LIC	BMLET	-
20021219AAC						

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	NEW	CARROLL IA	DTVPLN	-NPLN1015

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
16	KDSM-DT	DES MOINES IA	106.8	PLN	DTVPLN	-
DTVP0214						
17	KDSMTV	DES MOINES IA	106.8	PLN	DTVPLN	-
NPLN0984						
17	KYNE-DT	OMAHA NE	130.0	PLN	DTVPLN	-
DTVP0270						
18	KLJBTv	DAVENPORT IA	380.1	PLN	DTVPLN	-
NPLN1016						
18	KYIN-DT	MASON CITY IA	221.2	PLN	DTVPLN	-
DTVP0302						
18	KAAS TV	SALINA KS	390.8	PLN	DTVPLN	-
NPLN1018						
18	KCPT-DT	KANSAS CITY MO	331.1	PLN	DTVPLN	-
DTVP0311						
18	NEW	ALBION NE	284.0	PLN	DTVPLN	-
NPLN1025						
18	KESD-DT	BROOKINGS SD	318.8	PLN	DTVPLN	-
DTVP0324						
19	WHO-DT	DES MOINES IA	106.0	PLN	DTVPLN	-
DTVP0349						
20	KETV-DT	OMAHA NE	127.3	PLN	DTVPLN	-
DTVP0410						
21	KTIN	FORT DODGE IA	92.9	PLN	DTVPLN	-
NPLN1105						
22	WOWT-DT	OMAHA NE	127.2	PLN	DTVPLN	-
DTVP0495						
25	KTIN-DT	FORT DODGE IA	92.9	PLN	DTVPLN	-
DTVP0600						
26	KBTv-DT	DES MOINES IA	105.4	PLN	DTVPLN	-
DTVP0634						
26	KYNETV	OMAHA NE	130.0	PLN	DTVPLN	-
NPLN1285						
32	KBINTV	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-
NPLN1427						
33	KBIN-DT	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-
DTVP0900						

Results for: 18N IA CARROLL	DTVPLN	NPLN1015	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	34397	3706.5	
not affected by terrain losses	34351	3698.5	
lost to NTSC IX	1668	296.2	
lost to additional IX by ATV	15	4.0	
lost to all IX	1683	300.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	960912KE	CARROLL IA	BPET	-19960912KE

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
16	KDSM-DT	DES MOINES IA	106.8	PLN	DTVPLN	-
DTVP0214						
16	KDSM-TV	DES MOINES IA	105.3	LIC	BLCDDT	-
20041118ABZ						
17	KDSM-TV	DES MOINES IA	105.8	LIC	BLCT	-
20021226AAD						
17	KYNE-TV	OMAHA NE	130.0	LIC	BLEDT	-
20030409AAV						
17	KYNE-DT	OMAHA NE	130.0	PLN	DTVPLN	-
DTVP0270						
18	KYIN-DT	MASON CITY IA	221.2	PLN	DTVPLN	-
DTVP0302						
18	KCPT-DT	KANSAS CITY MO	331.1	PLN	DTVPLN	-
DTVP0311						
18	KLJB-TV	DAVENPORT IA	380.0	LIC	BLCT	-
19991109AAA						
18	KYIN	MASON CITY IA	236.3	LIC	BLEDT	-
20070924AFU						
18	KYIN	MASON CITY IA	236.3	CP	BPEDT	-
20080620AFL						
18	KAAS-TV	SALINA KS	390.8	LIC	BLCT	-
19880408KF						
18	KCPT	KANSAS CITY MO	331.1	LIC	BLEDT	-
20060327AGR						
18	KCPT	KANSAS CITY MO	331.1	CP	BPEDT	-
20080620ANC						
18	KESD-DT	BROOKINGS SD	318.8	PLN	DTVPLN	-
DTVP0324						
19	WHO-DT	DES MOINES IA	106.0	PLN	DTVPLN	-
DTVP0349						
20	KETV-DT	OMAHA NE	127.3	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	127.3	LIC	BLCDDT	-
20041222AED						
21	KTIN	FORT DODGE IA	92.9	CP	BPET	-
20060911AAH						
22	WOWT-DT	OMAHA NE	127.2	PLN	DTVPLN	-
DTVP0495						
25	KTIN-DT	FORT DODGE IA	92.9	PLN	DTVPLN	-
DTVP0600						
25	KTIN	FORT DODGE IA	92.9	LIC	BLEDT	-
20070822ACB						
26	KBTB-DT	DES MOINES IA	105.4	PLN	DTVPLN	-
DTVP0634						
26	KYNE-TV	OMAHA NE	130.0	LIC	BLET	-
19801016KG						
32	KBIN-TV	COUNCIL BLUFFS IA	120.1	LIC	BLET	-
19860923KL						
33	KBIN-TV	COUNCIL BLUFFS IA	120.1	LIC	BLEDT	-
20050711ABX						
33	KBIN-DT	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-
DTVP0900						
19	KXNE-TV	NORFOLK NE	200.8	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	WHO-DT	DES MOINES IA	DTVPLN	-DTVP0349

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	NEW	CARROLL IA	106.0	PLN	DTVPLN	-
NPLN1015						
18	KYIN-DT	MASON CITY IA	185.1	PLN	DTVPLN	-
DTVP0302						
19	WHOI	PEORIA IL	360.3	PLN	DTVPLN	-
NPLN1042						
19	KCPT	KANSAS CITY MO	311.7	PLN	DTVPLN	-
NPLN1048						
19	WXOWTV	LA CROSSE WI	287.8	PLN	DTVPLN	-
NPLN1063						
19	WMTV-DT	MADISON WI	365.6	PLN	DTVPLN	-
DTVP0379						
20	KWKB	IOWA CITY IA	173.3	PLN	DTVPLN	-
NPLN1076						
20	KSMQ-DT	AUSTIN MN	213.4	PLN	DTVPLN	-
DTVP0402						
20	KETV-DT	OMAHA NE	208.2	PLN	DTVPLN	-
DTVP0410						

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1836	249.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	63	4.0
lost to all IX	1836	249.1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
13	WHOTV	DES MOINES IA	DTVPLN	-NPLN0826

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
12	KIINTV	IOWA CITY IA	188.7	PLN	DTVPLN	-
NPLN0762						
13	WREXTV	ROCKFORD IL	365.1	PLN	DTVPLN	-
NPLN0829						
13	WIBWTV	TOPEKA KS	373.6	PLN	DTVPLN	-
NPLN0832						
13	KRCG	JEFFERSON CITY MO	369.7	PLN	DTVPLN	-
NPLN0841						
13	KSFYTV	SIOUX FALLS SD	305.0	PLN	DTVPLN	-

NPLN0863

13 WEAUTV EAU CLAIRE WI 383.2 PLN DTVPLN -
NPLN0874

Results for: 13N IA DES MOINES	DTVPLN	NPLN0826	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921117	45066.6	
not affected by terrain losses	909491	42952.9	
lost to NTSC IX	54139	5649.9	
lost to additional IX by ATV	0	0.0	
lost to all IX	54139	5649.9	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WHO-DT	DES MOINES IA	DTVPLN	-DTVP0349

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	KYIN-DT	MASON CITY IA	185.1	PLN	DTVPLN	-
DTVP0302						
18	960912KE	CARROLL IA	106.0	APP	BPET	-
19960912KE						
18	KYIN	MASON CITY IA	199.5	LIC	BLEDT	-
20070924AFU						
18	KYIN	MASON CITY IA	199.5	CP	BPEDT	-
20080620AFL						
19	WHOI	PEORIA IL	360.3	LIC	BLCT	-
19880803KG						
19	WHOI	PEORIA IL	360.3	CP MOD	BMPCDT	-
20080619ACV						
19	KCPT	KANSAS CITY MO	311.7	LIC	BMLET	-
20041104ATG						
19	WXOW-TV	LA CROSSE WI	287.8	LIC	BLCT	-
20010403ABI						
19	WMTV-DT	MADISON WI	365.6	PLN	DTVPLN	-
DTVP0379						
19	WMTV	MADISON WI	365.6	LIC	BLCDT	-
20040823ABP						
19	WMTV	MADISON WI	365.6	CP	BPCDT	-
20080609ABR						
20	KSMQ-DT	AUSTIN MN	213.4	PLN	DTVPLN	-
DTVP0402						
20	KETV-DT	OMAHA NE	208.2	PLN	DTVPLN	-
DTVP0410						
20	KWKB	IOWA CITY IA	187.8	LIC	BLCT	-
20010613AIG						
20	KSMQ-TV	AUSTIN MN	222.3	CP MOD	BMPEDT	-
20081114AAX						
20	KETV	OMAHA NE	208.1	LIC	BLCDT	-
20041222AED						
19	KXNE-TV	NORFOLK NE	306.2	APP	USERRECORD-01	

Total scenarios = 18

Result key: 1
Scenario 1 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	1377	213.0

Potential Interfering Stations Included in above Scenario 1

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	2279	261.2

Potential Interfering Stations Included in above Scenario 1

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 2
 Scenario 2 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	1377	213.0

Potential Interfering Stations Included in above Scenario 2

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2279	261.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2279	261.2	

Potential Interfering Stations Included in above Scenario 2

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 3
 Scenario 3 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	112	24.1	
lost to all IX	1377	213.0	

Potential Interfering Stations Included in above Scenario 3

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	112	24.1
lost to all IX	2279	261.2

Potential Interfering Stations Included in above Scenario 3

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BLEDT	20070924AFU	LIC	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BPCDT	20080609ABR	CP	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN	DTVP0349

Result key: 4
 Scenario 4 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	1395	217.0

Potential Interfering Stations Included in above Scenario 4

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	18	4.0

lost to ATV IX only	111	20.1
lost to all IX	2297	265.2

Potential Interfering Stations Included in above Scenario 4

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	DTVPLN	DTVP0379	PLN	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN	DTVP0349

Result key: 5
 Scenario 5 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	1395	217.0

Potential Interfering Stations Included in above Scenario 5

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2297	265.2

Potential Interfering Stations Included in above Scenario 5

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP

19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BLCDT	20040823ABP	LIC	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN	DTVP0349

Result key: 6
 Scenario 6 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	130	28.1	
lost to all IX	1395	217.0	

Potential Interfering Stations Included in above Scenario 6

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2279	261.2	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	130	28.1	
lost to all IX	2297	265.2	

Potential Interfering Stations Included in above Scenario 6

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN DTVP0349

Result key: 7
 Scenario 7 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	1830	245.1

Potential Interfering Stations Included in above Scenario 7

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2732	293.3
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	2732	293.3

Potential Interfering Stations Included in above Scenario 7

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.1	to DTVPLN	DTVP0349

Result key: 8
 Scenario 8 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	0	0.0

lost to ATV IX only	93	16.1
lost to all IX	1830	245.1

Potential Interfering Stations Included in above Scenario 8

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2732	293.3	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2732	293.3	

Potential Interfering Stations Included in above Scenario 8

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.1	to DTVPLN	DTVP0349

Result key: 9
Scenario 9 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1830	245.1	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	112	24.1	
lost to all IX	1830	245.1	

Potential Interfering Stations Included in above Scenario 9

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC

19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2732	293.3
lost to additional IX by ATV	0	0.0
lost to ATV IX only	112	24.1
lost to all IX	2732	293.3

Potential Interfering Stations Included in above Scenario 9

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.1	to DTVPLN	DTVP0349

Result key: 10
 Scenario 10 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	1848	249.1

Potential Interfering Stations Included in above Scenario 10

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2732	293.3
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2750	297.4

Potential Interfering Stations Included in above Scenario 10

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.1	to DTVPLN	DTVP0349

Result key: 11
 Scenario 11 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	1848	249.1

Potential Interfering Stations Included in above Scenario 11

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2732	293.3
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1

lost to all IX 2750 297.4

Potential Interfering Stations Included in above Scenario 11

18N IA CARROLL	BPET	19960912KE	APP	
19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BLCDT	20040823ABP	LIC	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN	DTVP0349

Result key: 12
Scenario 12 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	1848	249.1

Potential Interfering Stations Included in above Scenario 12

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2732	293.3
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	2750	297.4

Potential Interfering Stations Included in above Scenario 12

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC

20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BPCDT	20080609ABR	CP	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN	DTVP0349

Result key: 13
Scenario 13 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	1377	213.0	

Potential Interfering Stations Included in above Scenario 13

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2279	261.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2279	261.2	

Potential Interfering Stations Included in above Scenario 13

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		-0.1	to DTVPLN DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN DTVP0349

Result key: 14

Scenario 14 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	1377	213.0

Potential Interfering Stations Included in above Scenario 14

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	2279	261.2

Potential Interfering Stations Included in above Scenario 14

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 15
Scenario 15 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	0	0.0

lost to ATV IX only	112	24.1
lost to all IX	1377	213.0

Potential Interfering Stations Included in above Scenario 15

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2279	261.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	112	24.1	
lost to all IX	2279	261.2	

Potential Interfering Stations Included in above Scenario 15

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 16
Scenario 16 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	111	20.1	
lost to all IX	1395	217.0	

Potential Interfering Stations Included in above Scenario 16

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP

19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2297	265.2

Potential Interfering Stations Included in above Scenario 16

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN DTVP0349

Result key: 17
 Scenario 17 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	1395	217.0

Potential Interfering Stations Included in above Scenario 17

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6

lost to NTSC IX	2279	261.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2297	265.2

Potential Interfering Stations Included in above Scenario 17

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BLCDT	20040823ABP	LIC	
19N NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN	DTVP0349

Result key: 18
 Scenario 18 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	1395	217.0

Potential Interfering Stations Included in above Scenario 18

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2279	261.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	2297	265.2

Potential Interfering Stations Included in above Scenario 18

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC

20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0349
*Percent Service lost with proposal:		0.1	to DTVPLN DTVP0349

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KTVG-DT	GRAND ISLAND NE	DTVPLN -DTVP0364

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
18	KAAS-TV	SALINA KS	206.8	PLN	DTVPLN -
NPLN1018					
18	NEW	ALBION NE	135.9	PLN	DTVPLN -
NPLN1025					
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN -
DTVP0316					
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN -
DTVP0353					
19	KCPT	KANSAS CITY MO	393.7	PLN	DTVPLN -
NPLN1048					
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN -
DTVP0370					
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN -
DTVP0396					
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN -
DTVP0410					

Results for: 19A NE GRAND ISLAND DTVPLN DTVP0364 PLN
 HAAT 187.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	148216	11169.8
not affected by terrain losses	148216	11169.8
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

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
17	KTVG	GRAND ISLAND NE	DTVPLN -NPLN0995

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
14	KHNE-DT	HASTINGS NE	40.7	PLN	DTVPLN -
DTVP0142					

16	KXNE-DT	NORFOLK NE	199.2	PLN	DTVPLN	-
DTVP0231						
17	KLBY-DT	COLBY KS	287.9	PLN	DTVPLN	-
DTVP0260						
17	KAAS-DT	SALINA KS	206.8	PLN	DTVPLN	-
DTVP0261						
17	KRNE-DT	MERRIMAN NE	338.8	PLN	DTVPLN	-
DTVP0269						
17	KYNE-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0270						
17	KTTW	SIOUX FALLS SD	341.1	PLN	DTVPLN	-
NPLN1002						
18	KAAS-TV	SALINA KS	206.8	PLN	DTVPLN	-
NPLN1018						
18	NEW	ALBION NE	135.9	PLN	DTVPLN	-
NPLN1025						
19	KTVG-DT	GRAND ISLAND NE	0.0	PLN	DTVPLN	-
DTVP0364						
21	KHAS-DT	HASTINGS NE	17.8	PLN	DTVPLN	-
DTVP0448						
24	KLKE	ALBION NE	136.8	PLN	DTVPLN	-
NPLN1218						
25	KOLN-DT	LINCOLN NE	117.3	PLN	DTVPLN	-
DTVP0610						
31	KLKN-DT	LINCOLN NE	107.8	PLN	DTVPLN	-
DTVP0833						
32	KGIN-DT	GRAND ISLAND NE	25.0	PLN	DTVPLN	-
DTVP0871						

Results for: 17N NE GRAND ISLAND	DTVPLN	NPLN0995	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	148216	11169.8	
not affected by terrain losses	148216	11169.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	15	12.0	
lost to all IX	15	12.0	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KTVG-DT	GRAND ISLAND NE	DTVPLN -DTVP0364

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN -
DTVP0316					
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT -
19880408KF					
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN -
DTVP0353					
19	NEW	COLBY KS	257.9	LIC	BPRM -
20030805ARW					
19	KWKS	COLBY KS	289.4	LIC	BLEDT -
20070601ATA					
19	KWCH-TV	HUTCHINSON KS	304.5	LIC	BLCDT -
20050621AAR					
19	KCPT	KANSAS CITY MO	393.7	LIC	BMLET -
20041104ATG					
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN -

DTVP0370	20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-
DTVP0396	20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0410	20	KETV	OMAHA NE	222.9	LIC	BLCDT	-
20041222AED	19	KXNE-TV	NORFOLK NE	199.2	APP	USERRECORD-01	

Total scenarios = 2

Result key: 19
Scenario 1 Affected station 3
Before Analysis

Results for: 19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
HAAT 187.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	148216	11169.8	
not affected by terrain losses	148216	11169.8	
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: 19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
HAAT 187.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	148216	11169.8	
not affected by terrain losses	148216	11169.8	
lost to NTSC IX	8	4.0	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	8	4.0	

Potential Interfering Stations Included in above Scenario 1

19N NE NORFOLK	USERRECORD01	APP	
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0364
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0364

Result key: 20
Scenario 2 Affected station 3
Before Analysis

Results for: 19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
HAAT 187.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	148216	11169.8	
not affected by terrain losses	148216	11169.8	
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 2

After Analysis

Results for: 19A NE GRAND ISLAND DTVPLN DTVP0364 PLN
HAAT 187.0 m, ATV ERP 50.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 148216 11169.8
not affected by terrain losses 148216 11169.8
lost to NTSC IX 8 4.0
lost to additional IX by ATV 0 0.0
lost to ATV IX only 0 0.0
lost to all IX 8 4.0

Potential Interfering Stations Included in above Scenario 2

19N NE NORFOLK USERRECORD01 APP
*Percent Service lost without proposal: 0.0 to DTVPLN DTVP0364
*Percent Service lost with proposal: 0.0 to DTVPLN DTVP0364

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KTVG	GRAND ISLAND NE	BPCDT	-19991015ABA

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN	-
DTVP0316						
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT	-
19880408KF						
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN	-
DTVP0353						
19	NEW	COLBY KS	257.9	LIC	BPRM	-
20030805ARW						
19	KWKS	COLBY KS	289.4	LIC	BLEDT	-
20070601ATA						
19	KWCH-TV	HUTCHINSON KS	304.6	LIC	BLCDT	-
20050621AAR						
19	KCPT	KANSAS CITY MO	393.7	LIC	BMLET	-
20041104ATG						
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN	-
DTVP0370						
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-
DTVP0396						
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	222.9	LIC	BLCDT	-
20041222AED						

19 KXNE-TV NORFOLK NE 199.2 APP USERRECORD-01

Total scenarios = 4

Result key: 21
Scenario 1 Affected station 4
Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	39	39.9
lost to ATV IX only	39	39.9
lost to all IX	39	39.9

Potential Interfering Stations Included in above Scenario 1

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC

After Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	78	43.9
lost to additional IX by ATV	6	20.0
lost to ATV IX only	39	39.9
lost to all IX	84	63.9

Potential Interfering Stations Included in above Scenario 1

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-24.0	to BPCDT	
19991015ABA			
*Percent Service lost with proposal:	-23.9	to BPCDT	
19991015ABA			

Result key: 22
Scenario 2 Affected station 4
Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	68	67.8
lost to ATV IX only	68	67.8
lost to all IX	68	67.8

Potential Interfering Stations Included in above Scenario 2

19A KS HUTCHINSON	BLCDT	20050621AAR	LIC
19A KS COLBY	BLEDT	20070601ATA	LIC

After Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
 HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	78	43.9
lost to additional IX by ATV	35	47.9
lost to ATV IX only	68	67.8
lost to all IX	113	91.8

Potential Interfering Stations Included in above Scenario 2

19A KS HUTCHINSON	BLCDT	20050621AAR	LIC
19A KS COLBY	BLEDT	20070601ATA	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		-24.0	to BPCDT
19991015ABA			
*Percent Service lost with proposal:		-23.9	to BPCDT
19991015ABA			

Result key: 23
 Scenario 3 Affected station 4
 Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
 HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	39	39.9
lost to ATV IX only	39	39.9
lost to all IX	39	39.9

Potential Interfering Stations Included in above Scenario 3

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC

After Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
 HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	78	43.9
lost to additional IX by ATV	6	20.0
lost to ATV IX only	39	39.9
lost to all IX	84	63.9

Potential Interfering Stations Included in above Scenario 3

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		-24.0	to BPCDT
19991015ABA			
*Percent Service lost with proposal:		-23.9	to BPCDT
19991015ABA			

Result key: 24
Scenario 4 Affected station 4
Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	68	67.8
lost to ATV IX only	68	67.8
lost to all IX	68	67.8

Potential Interfering Stations Included in above Scenario 4

19A KS HUTCHINSON	BLCDT	20050621AAR	LIC
19A KS COLBY	BLEDT	20070601ATA	LIC

After Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	78	43.9
lost to additional IX by ATV	35	47.9
lost to ATV IX only	68	67.8
lost to all IX	113	91.8

Potential Interfering Stations Included in above Scenario 4

19A KS HUTCHINSON	BLCDT	20050621AAR	LIC
19A KS COLBY	BLEDT	20070601ATA	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		-24.0	to BPCDT
19991015ABA			
*Percent Service lost with proposal:		-23.9	to BPCDT
19991015ABA			

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Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KPRY-DT	PIERRE SD	DTVPLN -DTVP0370

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	KXMA-DT	DICKINSON ND	370.3	PLN	DTVPLN -
DTVP0362					
19	KJRE	ELLENDAL E ND	267.3	PLN	DTVPLN -
NPLN1051					
19	KVRR-DT	FARGO ND	419.0	PLN	DTVPLN -
DTVP0363					
19	KTVG-DT	GRAND ISLAND NE	389.7	PLN	DTVPLN -
DTVP0364					

Results for: 19A SD PIERRE DTVPLN DTVP0370 PLN
 HAAT 378.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	51944	36855.5
lost to NTSC IX	39	120.2
lost to additional IX by ATV	0	60.1
lost to ATV IX only	0	76.1
lost to all IX	39	180.3

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
04	KPRYTV	PIERRE SD	DTVPLN -NPLN0318

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
03	KDLOTV	FLORENCE SD	222.3	PLN	DTVPLN -
NPLN0256					
04	KTIV	SIOUX CITY IA	351.4	PLN	DTVPLN -
NPLN0286					
04	KXJBTV	VALLEY CITY ND	417.3	PLN	DTVPLN -
NPLN0303					
04	KDUHTV	SCOTTSBLUFF NE	330.0	PLN	DTVPLN -
NPLN0305					

Results for: 4N SD PIERRE DTVPLN NPLN0318 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	50585	36266.4
lost to NTSC IX	4710	3658.7
lost to additional IX by ATV	0	0.0
lost to all IX	4710	3658.7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KPRY-DT	PIERRE SD	DTVPLN -DTVP0370

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	KXMA-DT	DICKINSON ND	370.3	PLN	DTVPLN -

DTVP0362						
19	KVRR-DT	FARGO ND	419.0	PLN	DTVPLN	-
DTVP0363						
19	KTVG-DT	GRAND ISLAND NE	389.7	PLN	DTVPLN	-
DTVP0364						
19	KJRE	ELLENDAL E ND	267.4	LIC	BLET	-
19920515KE						
19	KVRR	FARGO ND	419.1	CP	BPCDT	-
20080317AII						
19	KTVG	GRAND ISLAND NE	389.7	CP	BPCDT	-
19991015ABA						
19	KXNE-TV	NORFOLK NE	304.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 25
 Scenario 1 Affected station 5
 Before Analysis

Results for: 19A SD PIERRE		DTVPLN	DTVP0370	PLN
HAAT 378.0 m, ATV ERP 1000.0 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	53782	37356.4		
not affected by terrain losses	51944	36855.5		
lost to NTSC IX	39	120.2		
lost to additional IX by ATV	0	0.0		
lost to ATV IX only	0	0.0		
lost to all IX	39	120.2		

Potential Interfering Stations Included in above Scenario 1

19N ND ELLENDAL E	BLET	19920515KE	LIC
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After Analysis

Results for: 19A SD PIERRE		DTVPLN	DTVP0370	PLN
HAAT 378.0 m, ATV ERP 1000.0 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	53782	37356.4		
not affected by terrain losses	51944	36855.5		
lost to NTSC IX	1146	220.4		
lost to additional IX by ATV	0	0.0		
lost to ATV IX only	0	0.0		
lost to all IX	1146	220.4		

Potential Interfering Stations Included in above Scenario 1

19N ND ELLENDAL E	BLET	19920515KE	LIC
19N NE NORFOLK	USERRECORD01		APP

The following station failed the de minimis interference criteria.
 19N NE NORFOLK USERRECORD01
 ERP 1683.00 kW HAAT 322.0 m RCAMSL 841.0 m
 Antenna usr USRPAT01

Due to interference to the following station and scenario: 1
 19D SD PIERRE DTVPLN DTVP0370
 ERP 1000.00 kW HAAT 378.0 m RCAMSL 940.0 m
 Antenna rep SDPIERRE____19

Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0370
Percent Service lost with proposal:	2.1	to DTVPLN	DTVP0370

Result key: 26
 Scenario 2 Affected station 5
 Before Analysis

Results for: 19A SD PIERRE	DTVPLN	DTVP0370	PLN
HAAT 378.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	53782	37356.4	
not affected by terrain losses	51944	36855.5	
lost to NTSC IX	39	120.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	39	120.2	

Potential Interfering Stations Included in above Scenario 2

19N ND ELLENDALE	BLET	19920515KE	LIC
------------------	------	------------	-----

After Analysis

Results for: 19A SD PIERRE	DTVPLN	DTVP0370	PLN
HAAT 378.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	53782	37356.4	
not affected by terrain losses	51944	36855.5	
lost to NTSC IX	1146	220.4	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	1146	220.4	

Potential Interfering Stations Included in above Scenario 2

19N ND ELLENDALE	BLET	19920515KE	LIC
19N NE NORFOLK	USERRECORD01		APP

The following station failed the de minimis interference criteria.

19N NE NORFOLK	USERRECORD01
ERP 1683.00 kW HAAT 322.0 m RCAMSL 841.0 m	
Antenna usr USRPAT01	

Due to interference to the following station and scenario: 2

19D SD PIERRE	DTVPLN	DTVP0370
ERP 1000.00 kW HAAT 378.0 m RCAMSL 940.0 m		
Antenna rep SDPIERRE____19		

Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0370
Percent Service lost with proposal:	2.1	to DTVPLN	DTVP0370

#####

Analysis of Interference to Affected Station 6

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
20	KETV-DT	OMAHA NE	DTVPLN -DTVP0410

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	WHO-DT	DES MOINES IA	208.2	PLN	DTVPLN -
DTVP0349					
19	KTVG-DT	GRAND ISLAND NE	222.8	PLN	DTVPLN -
DTVP0364					
20	KWKB	IOWA CITY IA	377.8	PLN	DTVPLN -
NPLN1076					
20	KBSH-DT	HAYS KS	389.7	PLN	DTVPLN -
DTVP0396					
20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN -
DTVP0402					
20	KSMN	WORTHINGTON MN	287.8	PLN	DTVPLN -
NPLN1084					
21	KTIN	FORT DODGE IA	214.2	PLN	DTVPLN -
NPLN1105					
21	KTAJ-DT	ST. JOSEPH MO	217.1	PLN	DTVPLN -
DTVP0444					
21	KHAS-DT	HASTINGS NE	210.9	PLN	DTVPLN -
DTVP0448					

Results for: 20A NE OMAHA	DTVPLN	DTVP0410	PLN
HAAT 415.0 m, ATV ERP 550.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	1103437	34755.7
not affected by terrain losses	1100762	34515.5
lost to NTSC IX	1637	124.1
lost to additional IX by ATV	327	8.0
lost to ATV IX only	327	8.0
lost to all IX	1964	132.1

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
07	KETV	OMAHA NE	DTVPLN -NPLN0488

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	KWWL	WATERLOO IA	366.8	PLN	DTVPLN -
NPLN0469					
07	KBSHTV	HAYS KS	389.7	PLN	DTVPLN -
NPLN0473					
07	KMNETV	BASSETT NE	308.2	PLN	DTVPLN -
NPLN0487					
07	KTTW-DT	SIOUX FALLS SD	249.7	PLN	DTVPLN -
DTVP0036					
08	KCCI	DES MOINES IA	207.7	PLN	DTVPLN -
NPLN0530					
08	KLKN	LINCOLN NE	117.1	PLN	DTVPLN -
NPLN0551					

Results for: 7N NE OMAHA	DTVPLN	NPLN0488	PLN
	POPULATION	AREA (sq km)	

within Noise Limited Contour	1103437	34755.7
not affected by terrain losses	1078782	33014.1
lost to NTSC IX	87518	3711.4
lost to additional IX by ATV	0	0.0
lost to all IX	87518	3711.4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
20	KETV-DT	OMAHA NE	DTVPLN -DTVP0410

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	WHO-DT	DES MOINES IA	208.2	PLN	DTVPLN -
DTVP0349					
19	KTVG-DT	GRAND ISLAND NE	222.8	PLN	DTVPLN -
DTVP0364					
19	KTVG	GRAND ISLAND NE	222.8	CP	BPCDT -
19991015ABA					
20	KBSH-DT	HAYS KS	389.7	PLN	DTVPLN -
DTVP0396					
20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN -
DTVP0402					
20	KWKB	IOWA CITY IA	391.7	LIC	BLCT -
20010613AIG					
20	KSMQ-TV	AUSTIN MN	386.8	CP MOD	BMPEDT -
20081114AAX					
20	KSMN	WORTHINGTON MN	287.8	LIC	BLET -
19970224KH					
21	KTIN	FORT DODGE IA	214.2	CP	BPET -
20060911AAH					
21	KTAJ-DT	ST. JOSEPH MO	217.1	PLN	DTVPLN -
DTVP0444					
21	KHAS-DT	HASTINGS NE	210.9	PLN	DTVPLN -
DTVP0448					
19	KXNE-TV	NORFOLK NE	146.3	APP	USERRECORD-01
					Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
20	KETV	OMAHA NE	BLCDDT -20041222AED

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	WHO-DT	DES MOINES IA	208.1	PLN	DTVPLN -
DTVP0349					
19	KTVG-DT	GRAND ISLAND NE	222.9	PLN	DTVPLN -
DTVP0364					
19	KTVG	GRAND ISLAND NE	222.9	CP	BPCDT -
19991015ABA					
20	KBSH-DT	HAYS KS	389.8	PLN	DTVPLN -

DTVP0396						
20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN	-
DTVP0402						
20	KWKB	IOWA CITY IA	391.6	LIC	BLCT	-
20010613AIG						
20	KSMQ-TV	AUSTIN MN	386.7	CP MOD	BMPEDT	-
20081114AAX						
20	KSMN	WORTHINGTON MN	287.8	LIC	BLET	-
19970224KH						
21	KTIN	FORT DODGE IA	214.2	CP	BPET	-
20060911AAH						
21	KTAJ-DT	ST. JOSEPH MO	217.0	PLN	DTVPLN	-
DTVP0444						
21	KHAS-DT	HASTINGS NE	211.0	PLN	DTVPLN	-
DTVP0448						
19	KXNE-TV	NORFOLK NE	146.4	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 8

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
26	KYNETV	OMAHA NE	DTVPLN	-NPLN1285

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	NEW	CARROLL IA	130.0	PLN	DTVPLN	-
NPLN1015						
22	WOWT-DT	OMAHA NE	6.1	PLN	DTVPLN	-
DTVP0495						
25	KOLN-DT	LINCOLN NE	110.4	PLN	DTVPLN	-
DTVP0610						
26	KBTB-DT	DES MOINES IA	207.9	PLN	DTVPLN	-
DTVP0634						
26	KSAS-DT	WICHITA KS	390.6	PLN	DTVPLN	-
DTVP0637						
26	KLNE-DT	LEXINGTON NE	305.9	PLN	DTVPLN	-
DTVP0644						
26	KDLT-DT	MITCHELL SD	286.6	PLN	DTVPLN	-
DTVP0652						
27	KSINTV	SIOUX CITY IA	141.8	PLN	DTVPLN	-
NPLN1299						
28	KSIN-DT	SIOUX CITY IA	141.8	PLN	DTVPLN	-
DTVP0706						
33	KBIN-DT	COUNCIL BLUFFS IA	14.5	PLN	DTVPLN	-
DTVP0900						
40	KUON-DT	LINCOLN NE	39.6	PLN	DTVPLN	-
DTVP1133						

Results for: 26N NE OMAHA	DTVPLN	NPLN1285	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	697768	9271.7	
not affected by terrain losses	696385	9119.5	
lost to NTSC IX	0	0.0	

lost to additional IX by ATV	3539	420.7
lost to all IX	3539	420.7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	KYNE-TV	OMAHA NE	BLET	-19801016KG

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	960912KE	CARROLL IA	130.0	APP	BPET	-
19960912KE						
22	WOWT-DT	OMAHA NE	6.1	PLN	DTVPLN	-
DTVP0495						
25	KOLN-DT	LINCOLN NE	110.4	PLN	DTVPLN	-
DTVP0610						
26	KBTW-DT	DES MOINES IA	207.9	PLN	DTVPLN	-
DTVP0634						
26	KSAS-DT	WICHITA KS	390.6	PLN	DTVPLN	-
DTVP0637						
26	KLNE-DT	LEXINGTON NE	305.9	PLN	DTVPLN	-
DTVP0644						
26	KDLT-DT	MITCHELL SD	286.6	PLN	DTVPLN	-
DTVP0652						
26	KDLV-TV	MITCHELL SD	340.7	CP	BPCDT	-
19991101AIX						
27	KSIN-TV	SIOUX CITY IA	141.8	LIC	BMLET	-
20021219AAC						
28	KSIN-DT	SIOUX CITY IA	141.8	PLN	DTVPLN	-
DTVP0706						
28	KSIN-TV	SIOUX CITY IA	141.8	LIC	BLEDT	-
20050726AMC						
33	KBIN-TV	COUNCIL BLUFFS IA	14.5	LIC	BLEDT	-
20050711ABX						
33	KBIN-DT	COUNCIL BLUFFS IA	14.5	PLN	DTVPLN	-
DTVP0900						
40	KUON-DT	LINCOLN NE	39.6	PLN	DTVPLN	-
DTVP1133						
19	KXNE-TV	NORFOLK NE	151.4	APP	USERRECORD-01	
	Proposal causes no interference					

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Analysis of Interference to Affected Station 9

NTSC Baseline Analysis

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

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
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						
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						
34	KUSD-DT	VERMILLION SD	71.4	PLN	DTVPLN	-
DTVP0955						
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	DTVPLN	NPLN1299	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264871	19668.8	
not affected by terrain losses	262459	19536.3	
lost to NTSC IX	524	156.7	
lost to additional IX by ATV	93	32.1	
lost to all IX	617	188.8	

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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-
DTVP0410						
20	KSMN	WORTHINGTON MN	156.4	LIC	BLET	-
19970224KH						
20	KETV	OMAHA NE	136.0	LIC	BLCDDT	-
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	KYNE-TV	OMAHA NE	141.8	LIC	BLET	-
19801016KG						
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	BLCDDT	-

20050713ABD						
27	KSNT	TOPEKA KS	382.9	CP	BPCDT	-
20080401AIA						
27	KSNT	TOPEKA KS	382.9	LIC	BMLCT	-
20051103AAQ						
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-
DTVP0674						
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-
DTVP0706						
28	KSIN-TV	SIOUX CITY IA	0.0	LIC	BLEDT	-
20050726AMC						
29	KSFY-DT	SIOUX FALLS SD	113.1	PLN	DTVPLN	-
DTVP0765						
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-
DTVP0784						
34	KUSD-DT	VERMILLION SD	71.3	PLN	DTVPLN	-
DTVP0955						
41	KTIV	SIOUX CITY IA	10.5	CP	BPCDT	-
19991101AIH						
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-
DTVP1158						
42	KPTM	OMAHA NE	160.7	LIC	BLCT	-
20051121AON						
19	KXNE-TV	NORFOLK NE	85.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 27
 Scenario 1 Affected station 9
 Before Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	193	68.3	
lost to additional IX by ATV	104	44.2	
lost to all IX	297	112.5	

Potential Interfering Stations Included in above Scenario 1

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN
27A IA CEDAR RAPIDS	BLCDDT	20050713ABD	LIC

After Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	348	116.5	
lost to additional IX by ATV	104	44.2	
lost to all IX	452	160.7	

Potential Interfering Stations Included in above Scenario 1

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN

27A IA CEDAR RAPIDS	BLCDT	20050713ABD	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent new DTV interference without proposal:			0.1 BMLET
20021219AAC			
*Percent new DTV interference with proposal:			0.2 BMLET
20021219AAC			

Result key: 28
Scenario 2 Affected station 9
Before Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	193	68.3	
lost to additional IX by ATV	104	44.2	
lost to all IX	297	112.5	

Potential Interfering Stations Included in above Scenario 2

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN
27A IA CEDAR RAPIDS	BLCDT	20050713ABD	LIC

After Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	348	116.5	
lost to additional IX by ATV	104	44.2	
lost to all IX	452	160.7	

Potential Interfering Stations Included in above Scenario 2

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN
27A IA CEDAR RAPIDS	BLCDT	20050713ABD	LIC
19N NE NORFOLK	USERRECORD01		APP
*Percent new DTV interference without proposal:			0.1 BMLET
20021219AAC			
*Percent new DTV interference with proposal:			0.2 BMLET
20021219AAC			

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KXNE-TV	NORFOLK NE	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
16	KXNE-TV	NORFOLK NE	0.0	LIC	BLEDT	-
20031016	ACA					
16	KXNE-DT	NORFOLK NE	0.0	PLN	DTVPLN	-
DTVP0231						
18	960912KE	CARROLL IA	200.8	APP	BPET	-
19960912	KE					
19	WHO-DT	DES MOINES IA	306.2	PLN	DTVPLN	-
DTVP0349						
19	KTVG-DT	GRAND ISLAND NE	199.2	PLN	DTVPLN	-
DTVP0364						
19	KTVG	GRAND ISLAND NE	199.2	CP	BPCDT	-
19991015	ABA					
19	KPRY-DT	PIERRE SD	304.0	PLN	DTVPLN	-
DTVP0370						
20	KETV-DT	OMAHA NE	146.3	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	146.4	LIC	BLCDT	-
20041222	AED					
23	KLKE-DT	ALBION NE	89.2	PLN	DTVPLN	-
DTVP0533						
26	KYNE-TV	OMAHA NE	151.4	LIC	BLET	-
19801016	KG					
27	KSIN-TV	SIOUX CITY IA	85.7	LIC	BMLET	-
20021219	AAC					
34	KUSD-DT	VERMILLION SD	98.8	PLN	DTVPLN	-
DTVP0955						

Total scenarios = 1

Result key: 29
Scenario 1 Affected station 10
Before Analysis

Results for: 19N NE NORFOLK		USERRECORD01	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	166194	15410.3	
not affected by terrain losses	157592	15146.8	
lost to NTSC IX	22	20.0	
lost to additional IX by ATV	7170	914.0	
lost to all IX	7192	934.0	

Potential Interfering Stations Included in above Scenario 1

27N IA SIOUX CITY	BMLET	20021219AAC	LIC
19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
19A SD PIERRE	DTVPLN	DTVP0370	PLN
23A NE ALBION	DTVPLN	DTVP0533	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-24-2009 Time: 12:42:43

Record Selected for Analysis

KXNE-TV- USERRECORD-01 NORFOLK NE US
 Channel 19 ERP 385. kW HAAT 322. m RCAMSL 00841 m
 Latitude 042-14-15 Longitude 0097-16-41
 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	125.087	324.5	82.3
45.0	62.218	340.7	79.3
90.0	379.629	356.6	94.1
135.0	43.078	338.4	76.8
180.0	180.125	301.9	82.4
225.0	273.600	306.5	86.1
270.0	22.734	313.4	70.9
315.0	316.720	295.1	85.8

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KXNE-TV- 19 NORFOLK NE USERRECORD01

and station

SHORT TO: KTVG-DT 19 GRAND ISLAND NE DTVPLN DTVP0364
 40-43-43 98-34-12
 Req. separation 223.7 Actual separation 199.3 Short 24.4 km

SHORT TO: KTVG 19 GRAND ISLAND NE BPCDT 19991015ABA
 040-43-44 0098-34-13
 Req. separation 223.7 Actual separation 199.3 Short 24.4 km

SHORT TO: KSIN-TV 27 SIOUX CITY IA BMLET 20021219AAC
 042-30-53 0096-18-15
 Req. separation => 24.1 <= 96.6 Actual separation 85.9 Short 10.7(61.8) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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
19	KXNE-TV-	NORFOLK NE	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	960912KE	CARROLL IA	200.8	APP	BPET	-
19	WHO-DT	DES MOINES IA	306.2	PLN	DTVPLN	-
19	KTVG-DT	GRAND ISLAND NE	199.2	PLN	DTVPLN	-
19	KTVG	GRAND ISLAND NE	199.2	CP	BPCDT	-
19	KPRY-DT	PIERRE SD	304.0	PLN	DTVPLN	-
20	KETV-DT	OMAHA NE	146.3	PLN	DTVPLN	-
20	KETV	OMAHA NE	146.4	LIC	BLCDT	-
27	KSIN-TV	SIOUX CITY IA	85.7	LIC	BMLET	-

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	NEW	CARROLL IA	DTVPLN	-NPLN1015

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
16 DTVP0214	KDSM-DT	DES MOINES IA	106.8	PLN	DTVPLN	-
17 NPLN0984	KDSMTV	DES MOINES IA	106.8	PLN	DTVPLN	-
17 DTVP0270	KYNE-DT	OMAHA NE	130.0	PLN	DTVPLN	-
18 NPLN1016	KLJBTV	DAVENPORT IA	380.1	PLN	DTVPLN	-
18 DTVP0302	KYIN-DT	MASON CITY IA	221.2	PLN	DTVPLN	-
18 NPLN1018	KAAS-TV	SALINA KS	390.8	PLN	DTVPLN	-
18 DTVP0311	KCPT-DT	KANSAS CITY MO	331.1	PLN	DTVPLN	-
18 NPLN1025	NEW	ALBION NE	284.0	PLN	DTVPLN	-
18 DTVP0324	KESD-DT	BROOKINGS SD	318.8	PLN	DTVPLN	-
19 DTVP0349	WHO-DT	DES MOINES IA	106.0	PLN	DTVPLN	-
19 NPLN1052	KXNETV	NORFOLK NE	200.8	PLN	DTVPLN	-
20 DTVP0410	KETV-DT	OMAHA NE	127.3	PLN	DTVPLN	-
21 NPLN1105	KTIN	FORT DODGE IA	92.9	PLN	DTVPLN	-
22 DTVP0495	WOWT-DT	OMAHA NE	127.2	PLN	DTVPLN	-
25 DTVP0600	KTIN-DT	FORT DODGE IA	92.9	PLN	DTVPLN	-
26 DTVP0634	KBTV-DT	DES MOINES IA	105.4	PLN	DTVPLN	-
26 NPLN1285	KYNETV	OMAHA NE	130.0	PLN	DTVPLN	-
32 NPLN1427	KBINTV	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-
33 DTVP0900	KBIN-DT	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-

Results for: 18N IA CARROLL	DTVPLN	NPLN1015	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	34397	3706.5	
not affected by terrain losses	34351	3698.5	
lost to NTSC IX	1668	296.2	
lost to additional IX by ATV	15	4.0	
lost to all IX	1683	300.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	960912KE	CARROLL IA	BPET	-19960912KE

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
16	KDSM-DT	DES MOINES IA	106.8	PLN	DTVPLN	-
DTVP0214						
16	KDSM-TV	DES MOINES IA	105.3	LIC	BLCDDT	-
20041118ABZ						
17	KDSM-TV	DES MOINES IA	105.8	LIC	BLCT	-
20021226AAD						
17	KYNE-TV	OMAHA NE	130.0	LIC	BLEDT	-
20030409AAV						
17	KYNE-DT	OMAHA NE	130.0	PLN	DTVPLN	-
DTVP0270						
18	KYIN-DT	MASON CITY IA	221.2	PLN	DTVPLN	-
DTVP0302						
18	KCPT-DT	KANSAS CITY MO	331.1	PLN	DTVPLN	-
DTVP0311						
18	KLJB-TV	DAVENPORT IA	380.0	LIC	BLCT	-
19991109AAA						
18	KYIN	MASON CITY IA	236.3	LIC	BLEDT	-
20070924AFU						
18	KYIN	MASON CITY IA	236.3	CP	BPEDT	-
20080620AFL						
18	KAAS-TV	SALINA KS	390.8	LIC	BLCT	-
19880408KF						
18	KCPT	KANSAS CITY MO	331.1	LIC	BLEDT	-
20060327AGR						
18	KCPT	KANSAS CITY MO	331.1	CP	BPEDT	-
20080620ANC						
18	KESD-DT	BROOKINGS SD	318.8	PLN	DTVPLN	-
DTVP0324						
19	WHO-DT	DES MOINES IA	106.0	PLN	DTVPLN	-
DTVP0349						
20	KETV-DT	OMAHA NE	127.3	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	127.3	LIC	BLCDDT	-
20041222AED						
21	KTIN	FORT DODGE IA	92.9	CP	BPET	-
20060911AAH						
22	WOWT-DT	OMAHA NE	127.2	PLN	DTVPLN	-
DTVP0495						
25	KTIN-DT	FORT DODGE IA	92.9	PLN	DTVPLN	-
DTVP0600						
25	KTIN	FORT DODGE IA	92.9	LIC	BLEDT	-
20070822ACB						
26	KBTB-DT	DES MOINES IA	105.4	PLN	DTVPLN	-
DTVP0634						
26	KYNE-TV	OMAHA NE	130.0	LIC	BLET	-
19801016KG						
32	KBIN-TV	COUNCIL BLUFFS IA	120.1	LIC	BLET	-
19860923KL						
33	KBIN-TV	COUNCIL BLUFFS IA	120.1	LIC	BLEDT	-
20050711ABX						
33	KBIN-DT	COUNCIL BLUFFS IA	120.1	PLN	DTVPLN	-

DTVP0900

19 KXNE-TV- NORFOLK NE 200.8 APP USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	WHO-DT	DES MOINES IA	DTVPLN	-DTVP0349

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	NEW	CARROLL IA	106.0	PLN	DTVPLN	-
NPLN1015						
18	KYIN-DT	MASON CITY IA	185.1	PLN	DTVPLN	-
DTVP0302						
19	WHOI	PEORIA IL	360.3	PLN	DTVPLN	-
NPLN1042						
19	KCPT	KANSAS CITY MO	311.7	PLN	DTVPLN	-
NPLN1048						
19	KXNETV	NORFOLK NE	306.2	PLN	DTVPLN	-
NPLN1052						
19	WXOWTV	LA CROSSE WI	287.8	PLN	DTVPLN	-
NPLN1063						
19	WMTV-DT	MADISON WI	365.6	PLN	DTVPLN	-
DTVP0379						
20	KWKB	IOWA CITY IA	173.3	PLN	DTVPLN	-
NPLN1076						
20	KSMQ-DT	AUSTIN MN	213.4	PLN	DTVPLN	-
DTVP0402						
20	KETV-DT	OMAHA NE	208.2	PLN	DTVPLN	-
DTVP0410						

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2747	301.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	63	4.0
lost to all IX	2747	301.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
13	WHOTV	DES MOINES IA	DTVPLN	-NPLN0826

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
12	KIINTV	IOWA CITY IA	188.7	PLN	DTVPLN	-

NPLN0762	13	WREXTV	ROCKFORD IL	365.1	PLN	DTVPLN	-
NPLN0829	13	WIBWTV	TOPEKA KS	373.6	PLN	DTVPLN	-
NPLN0832	13	KRCG	JEFFERSON CITY MO	369.7	PLN	DTVPLN	-
NPLN0841	13	KSFYTV	SIOUX FALLS SD	305.0	PLN	DTVPLN	-
NPLN0863	13	WEAUTV	EAU CLAIRE WI	383.2	PLN	DTVPLN	-
NPLN0874							

Results for: 13N IA DES MOINES	DTVPLN	NPLN0826	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921117	45066.6	
not affected by terrain losses	909491	42952.9	
lost to NTSC IX	54139	5649.9	
lost to additional IX by ATV	0	0.0	
lost to all IX	54139	5649.9	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	WHO-DT	DES MOINES IA	DTVPLN -DTVP0349

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
18	KYIN-DT	MASON CITY IA	185.1	PLN	DTVPLN -
DTVP0302					
18	960912KE	CARROLL IA	106.0	APP	BPET -
19960912KE					
18	KYIN	MASON CITY IA	199.5	LIC	BLEDT -
20070924AFU					
18	KYIN	MASON CITY IA	199.5	CP	BPEDT -
20080620AFL					
19	KXNETV	NORFOLK NE	306.2	PLN	DTVPLN -
NPLN1052					
19	WHOI	PEORIA IL	360.3	LIC	BLCT -
19880803KG					
19	WHOI	PEORIA IL	360.3	CP MOD	BMPCDT -
20080619ACV					
19	KCPT	KANSAS CITY MO	311.7	LIC	BMLET -
20041104ATG					
19	WXOW-TV	LA CROSSE WI	287.8	LIC	BLCT -
20010403ABI					
19	WMTV-DT	MADISON WI	365.6	PLN	DTVPLN -
DTVP0379					
19	WMTV	MADISON WI	365.6	LIC	BLCDDT -
20040823ABP					
19	WMTV	MADISON WI	365.6	CP	BPCDDT -
20080609ABR					
20	KSMQ-DT	AUSTIN MN	213.4	PLN	DTVPLN -
DTVP0402					
20	KETV-DT	OMAHA NE	208.2	PLN	DTVPLN -
DTVP0410					
20	KWKB	IOWA CITY IA	187.8	LIC	BLCT -
20010613AIG					
20	KSMQ-TV	AUSTIN MN	222.3	CP MOD	BMPEDT -
20081114AAX					

20	KETV	OMAHA NE	208.1	LIC	BLCDT	-
20041222AED						
19	KXNE-TV-	NORFOLK NE	306.2	APP	USERRECORD-01	

Total scenarios = 18

Result key: 1
Scenario 1 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2288	265.2	

Potential Interfering Stations Included in above Scenario 1

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	1276	104.5	
lost to ATV IX only	1519	164.8	
lost to all IX	2653	317.5	

Potential Interfering Stations Included in above Scenario 1

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 2
Scenario 2 Affected station 2

Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	2288	265.2

Potential Interfering Stations Included in above Scenario 2

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1276	104.5
lost to ATV IX only	1519	164.8
lost to all IX	2653	317.5

Potential Interfering Stations Included in above Scenario 2

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 3
 Scenario 3 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	0	0.0

lost to ATV IX only	112	24.1
lost to all IX	2288	265.2

Potential Interfering Stations Included in above Scenario 3

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	1276	104.5	
lost to ATV IX only	1538	172.8	
lost to all IX	2653	317.5	

Potential Interfering Stations Included in above Scenario 3

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 4
Scenario 4 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	111	20.1	
lost to all IX	2306	269.2	

Potential Interfering Stations Included in above Scenario 4

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC

18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	1294	108.5	
lost to ATV IX only	1537	168.8	
lost to all IX	2671	321.5	

Potential Interfering Stations Included in above Scenario 4

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 5
Scenario 5 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	111	20.1	
lost to all IX	2306	269.2	

Potential Interfering Stations Included in above Scenario 5

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1537	168.8
lost to all IX	2671	321.5

Potential Interfering Stations Included in above Scenario 5

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BLCDDT	20040823ABP	LIC	
19A NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN	DTVP0349

Result key: 6
 Scenario 6 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	2306	269.2

Potential Interfering Stations Included in above Scenario 6

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1556	176.8
lost to all IX	2671	321.5

Potential Interfering Stations Included in above Scenario 6

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BPEDT	20080620AFL	CP	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BPCDT	20080609ABR	CP	
19A NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN	DTVP0349

Result key: 7
 Scenario 7 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2741	297.4	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2741	297.4	

Potential Interfering Stations Included in above Scenario 7

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1830	245.1	
lost to additional IX by ATV	1276	104.5	
lost to ATV IX only	1519	164.8	
lost to all IX	3106	349.6	

Potential Interfering Stations Included in above Scenario 7

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP

19A WI MADISON	DTVPLN	DTVP0379	PLN	
19A NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349	
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349	

Result key: 8
Scenario 8 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2741	297.4	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2741	297.4	

Potential Interfering Stations Included in above Scenario 8

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1830	245.1	
lost to additional IX by ATV	1276	104.5	
lost to ATV IX only	1519	164.8	
lost to all IX	3106	349.6	

Potential Interfering Stations Included in above Scenario 8

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 9

Scenario 9 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2741	297.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	112	24.1
lost to all IX	2741	297.4

Potential Interfering Stations Included in above Scenario 9

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	1276	104.5
lost to ATV IX only	1538	172.8
lost to all IX	3106	349.6

Potential Interfering Stations Included in above Scenario 9

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 10
Scenario 10 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6

not affected by terrain losses	919616	44857.6
lost to NTSC IX	2741	297.4
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2759	301.4

Potential Interfering Stations Included in above Scenario 10

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN

HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1537	168.8
lost to all IX	3124	353.6

Potential Interfering Stations Included in above Scenario 10

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 11

Scenario 11 Affected station 2

Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN

HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2741	297.4
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2759	301.4

Potential Interfering Stations Included in above Scenario 11

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1830	245.1
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1537	168.8
lost to all IX	3124	353.6

Potential Interfering Stations Included in above Scenario 11

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN DTVP0349

Result key: 12
 Scenario 12 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2741	297.4
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	2759	301.4

Potential Interfering Stations Included in above Scenario 12

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP

19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1830	245.1	
lost to additional IX by ATV	1294	108.5	
lost to ATV IX only	1556	176.8	
lost to all IX	3124	353.6	

Potential Interfering Stations Included in above Scenario 12

18N IA CARROLL	BPET	19960912KE	APP
19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 13
 Scenario 13 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	93	16.1	
lost to all IX	2288	265.2	

Potential Interfering Stations Included in above Scenario 13

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1276	104.5
lost to ATV IX only	1519	164.8
lost to all IX	2653	317.5

Potential Interfering Stations Included in above Scenario 13

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 14
 Scenario 14 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	93	16.1
lost to all IX	2288	265.2

Potential Interfering Stations Included in above Scenario 14

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1276	104.5
lost to ATV IX only	1519	164.8
lost to all IX	2653	317.5

Potential Interfering Stations Included in above Scenario 14

19N IL PEORIA	BLCT	19880803KG	LIC	
19N MO KANSAS CITY	BMLET	20041104ATG	LIC	
19N WI LA CROSSE	BLCT	20010403ABI	LIC	
20N IA IOWA CITY	BLCT	20010613AIG	LIC	
18A IA MASON CITY	BLEDT	20070924AFU	LIC	
19A IL PEORIA	BMPCDT	20080619ACV	CP	
19A WI MADISON	BLCDDT	20040823ABP	LIC	
19A NE NORFOLK	USERRECORD01		APP	
*Percent Service lost without proposal:		-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:		0.0	to DTVPLN	DTVP0349

Result key: 15
 Scenario 15 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	112	24.1	
lost to all IX	2288	265.2	

Potential Interfering Stations Included in above Scenario 15

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	1276	104.5	
lost to ATV IX only	1538	172.8	
lost to all IX	2653	317.5	

Potential Interfering Stations Included in above Scenario 15

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BLEDT	20070924AFU	LIC
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDDT	20080609ABR	CP
19A NE NORFOLK	USERRECORD01		APP

*Percent Service lost without proposal:	-0.1	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 16
 Scenario 16 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	2288	265.2	
lost to additional IX by ATV	18	4.0	
lost to ATV IX only	111	20.1	
lost to all IX	2306	269.2	

Potential Interfering Stations Included in above Scenario 16

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
HAAT 600.0 m, ATV ERP 612.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	921070	45070.6	
not affected by terrain losses	919616	44857.6	
lost to NTSC IX	1377	213.0	
lost to additional IX by ATV	1294	108.5	
lost to ATV IX only	1537	168.8	
lost to all IX	2671	321.5	

Potential Interfering Stations Included in above Scenario 16

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	DTVPLN	DTVP0379	PLN
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 17
 Scenario 17 Affected station 2
 Before Analysis

Results for: 19A IA DES MOINES	DTVPLN	DTVP0349	PLN
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HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	111	20.1
lost to all IX	2306	269.2

Potential Interfering Stations Included in above Scenario 17

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1537	168.8
lost to all IX	2671	321.5

Potential Interfering Stations Included in above Scenario 17

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BLCDT	20040823ABP	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

Result key: 18
Scenario 18 Affected station 2
Before Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	2288	265.2
lost to additional IX by ATV	18	4.0
lost to ATV IX only	130	28.1
lost to all IX	2306	269.2

Potential Interfering Stations Included in above Scenario 18

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A IA DES MOINES DTVPLN DTVP0349 PLN
 HAAT 600.0 m, ATV ERP 612.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	921070	45070.6
not affected by terrain losses	919616	44857.6
lost to NTSC IX	1377	213.0
lost to additional IX by ATV	1294	108.5
lost to ATV IX only	1556	176.8
lost to all IX	2671	321.5

Potential Interfering Stations Included in above Scenario 18

19N IL PEORIA	BLCT	19880803KG	LIC
19N MO KANSAS CITY	BMLET	20041104ATG	LIC
19N WI LA CROSSE	BLCT	20010403ABI	LIC
20N IA IOWA CITY	BLCT	20010613AIG	LIC
18A IA MASON CITY	BPEDT	20080620AFL	CP
19A IL PEORIA	BMPCDT	20080619ACV	CP
19A WI MADISON	BPCDT	20080609ABR	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0349
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0349

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KTVG-DT	GRAND ISLAND NE	DTVPLN -DTVP0364

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
18	KAASTV	SALINA KS	206.8	PLN	DTVPLN -
NPLN1018					
18	NEW	ALBION NE	135.9	PLN	DTVPLN -
NPLN1025					
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN -
DTVP0316					
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN -
DTVP0353					
19	KCPT	KANSAS CITY MO	393.7	PLN	DTVPLN -

NPLN1048	19	KXNETV	NORFOLK NE	199.2	PLN	DTVPLN	-
NPLN1052	19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN	-
DTVP0370	20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-
DTVP0396	20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0410							

Results for: 19A NE GRAND ISLAND DTVPLN DTVP0364 PLN
 HAAT 187.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	148216	11169.8
not affected by terrain losses	148216	11169.8
lost to NTSC IX	17	12.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	17	12.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
17	KTVG	GRAND ISLAND NE	DTVPLN	-NPLN0995

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
14	KHNE-DT	HASTINGS NE	40.7	PLN	DTVPLN	-
DTVP0142						
16	KXNE-DT	NORFOLK NE	199.2	PLN	DTVPLN	-
DTVP0231						
17	KLBY-DT	COLBY KS	287.9	PLN	DTVPLN	-
DTVP0260						
17	KAAS-DT	SALINA KS	206.8	PLN	DTVPLN	-
DTVP0261						
17	KRNE-DT	MERRIMAN NE	338.8	PLN	DTVPLN	-
DTVP0269						
17	KYNE-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0270						
17	KTTW	SIOUX FALLS SD	341.1	PLN	DTVPLN	-
NPLN1002						
18	KAAS-TV	SALINA KS	206.8	PLN	DTVPLN	-
NPLN1018						
18	NEW	ALBION NE	135.9	PLN	DTVPLN	-
NPLN1025						
19	KTVG-DT	GRAND ISLAND NE	0.0	PLN	DTVPLN	-
DTVP0364						
21	KHAS-DT	HASTINGS NE	17.8	PLN	DTVPLN	-
DTVP0448						
24	KLKE	ALBION NE	136.8	PLN	DTVPLN	-
NPLN1218						
25	KOLN-DT	LINCOLN NE	117.3	PLN	DTVPLN	-
DTVP0610						
31	KLKN-DT	LINCOLN NE	107.8	PLN	DTVPLN	-
DTVP0833						
32	KGIN-DT	GRAND ISLAND NE	25.0	PLN	DTVPLN	-
DTVP0871						

Results for: 17N NE GRAND ISLAND DTVPLN NPLN0995 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	148216	11169.8
not affected by terrain losses	148216	11169.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15	12.0
lost to all IX	15	12.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KTVG-DT	GRAND ISLAND NE	DTVPLN	-DTVP0364

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN	-
DTVP0316						
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT	-
19880408KF						
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN	-
DTVP0353						
19	KXNETV	NORFOLK NE	199.2	PLN	DTVPLN	-
NPLN1052						
19	NEW	COLBY KS	257.9	LIC	BPRM	-
20030805ARW						
19	KWKS	COLBY KS	289.4	LIC	BLEDT	-
20070601ATA						
19	KWCH-TV	HUTCHINSON KS	304.5	LIC	BLCDT	-
20050621AAR						
19	KCPT	KANSAS CITY MO	393.7	LIC	BMLET	-
20041104ATG						
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN	-
DTVP0370						
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-
DTVP0396						
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	222.9	LIC	BLCDT	-
20041222AED						
19	KXNE-TV-	NORFOLK NE	199.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 19
Scenario 1 Affected station 3
Before Analysis

Results for: 19A NE GRAND ISLAND DTVPLN DTVP0364 PLN
HAAT 187.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	148216	11169.8
not affected by terrain losses	148216	11169.8
lost to NTSC IX	17	12.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	17	12.0

Potential Interfering Stations Included in above Scenario 1

19N NE NORFOLK DTVPLN NPLN1052 PLN

After Analysis

Results for: 19A NE GRAND ISLAND DTVPLN DTVP0364 PLN
HAAT 187.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	148216	11169.8
not affected by terrain losses	148216	11169.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	134	51.9
lost to ATV IX only	134	51.9
lost to all IX	134	51.9

Potential Interfering Stations Included in above Scenario 1

19A NE NORFOLK USERRECORD01 APP
*Percent Service lost without proposal: 0.0 to DTVPLN DTVP0364
*Percent Service lost with proposal: 0.1 to DTVPLN DTVP0364

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KTVG	GRAND ISLAND NE	BPCDT	-19991015ABA

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN	-
DTVP0316						
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT	-
19880408KF						
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN	-
DTVP0353						
19	KXNETV	NORFOLK NE	199.2	PLN	DTVPLN	-
NPLN1052						
19	NEW	COLBY KS	257.9	LIC	BPRM	-
20030805ARW						
19	KWKS	COLBY KS	289.4	LIC	BLEDT	-
20070601ATA						
19	KWCH-TV	HUTCHINSON KS	304.6	LIC	BLCDT	-
20050621AAR						
19	KCPT	KANSAS CITY MO	393.7	LIC	BMLET	-
20041104ATG						
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN	-
DTVP0370						
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-
DTVP0396						
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-
DTVP0410						
20	KETV	OMAHA NE	222.9	LIC	BLCDT	-
20041222AED						
19	KXNE-TV-	NORFOLK NE	199.2	APP	USERRECORD-01	

Total scenarios = 2

Result key: 20
Scenario 1 Affected station 4
Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	524	59.9
lost to additional IX by ATV	6	20.0
lost to ATV IX only	39	39.9
lost to all IX	530	79.8

Potential Interfering Stations Included in above Scenario 1

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	754	251.4
lost to ATV IX only	754	251.4
lost to all IX	754	251.4

Potential Interfering Stations Included in above Scenario 1

19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A KS COLBY	BLEDT	20070601ATA	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	-23.6	to BPCDT	
19991015ABA			
*Percent Service lost with proposal:	-23.5	to BPCDT	
19991015ABA			

Result key: 21
Scenario 2 Affected station 4
Before Analysis

Results for: 19A NE GRAND ISLAND BPCDT 19991015ABA CP
HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	524	59.9
lost to additional IX by ATV	35	47.9
lost to ATV IX only	68	67.8
lost to all IX	559	107.8

Potential Interfering Stations Included in above Scenario 2

19A KS HUTCHINSON	BLCDDT	20050621AAR	LIC
19A KS COLBY	BLEDDT	20070601ATA	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A NE GRAND ISLAND BPCDDT 19991015ABA CP
 HAAT 186.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183800	18652.9
not affected by terrain losses	183793	18649.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	782	263.4
lost to ATV IX only	782	263.4
lost to all IX	782	263.4

Potential Interfering Stations Included in above Scenario 2

19A KS HUTCHINSON	BLCDDT	20050621AAR	LIC
19A KS COLBY	BLEDDT	20070601ATA	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		-23.6	to BPCDDT
19991015ABA			
*Percent Service lost with proposal:		-23.5	to BPCDDT
19991015ABA			

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Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KPRY-DT	PIERRE SD	DTVPLN -DTVP0370

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
19	KXMA-DT	DICKINSON ND	370.3	PLN	DTVPLN -
DTVP0362					
19	KJRE	ELLENDAL E ND	267.3	PLN	DTVPLN -
NPLN1051					
19	KVRR-DT	FARGO ND	419.0	PLN	DTVPLN -
DTVP0363					
19	KTVG-DT	GRAND ISLAND NE	389.7	PLN	DTVPLN -
DTVP0364					
19	KXNETV	NORFOLK NE	304.0	PLN	DTVPLN -
NPLN1052					

Results for: 19A SD PIERRE DTVPLN DTVP0370 PLN
 HAAT 378.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	51944	36855.5

lost to NTSC IX	1147	224.4
lost to additional IX by ATV	0	60.1
lost to ATV IX only	0	76.1
lost to all IX	1147	284.5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
04	KPRYTV	PIERRE SD	DTVPLN	-NPLN0318

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
03	KDLOTV	FLORENCE SD	222.3	PLN	DTVPLN	-
NPLN0256						
04	KTIV	SIOUX CITY IA	351.4	PLN	DTVPLN	-
NPLN0286						
04	KXJBTV	VALLEY CITY ND	417.3	PLN	DTVPLN	-
NPLN0303						
04	KDUHTV	SCOTTSBLUFF NE	330.0	PLN	DTVPLN	-
NPLN0305						

Results for:	4N SD PIERRE	DTVPLN	NPLN0318	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		53782	37356.4	
not affected by terrain losses		50585	36266.4	
lost to NTSC IX		4710	3658.7	
lost to additional IX by ATV		0	0.0	
lost to all IX		4710	3658.7	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KPRY-DT	PIERRE SD	DTVPLN	-DTVP0370

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
19	KXMA-DT	DICKINSON ND	370.3	PLN	DTVPLN	-
DTVP0362						
19	KVRR-DT	FARGO ND	419.0	PLN	DTVPLN	-
DTVP0363						
19	KTVG-DT	GRAND ISLAND NE	389.7	PLN	DTVPLN	-
DTVP0364						
19	KXNETV	NORFOLK NE	304.0	PLN	DTVPLN	-
NPLN1052						
19	KJRE	ELLENDAL E ND	267.4	LIC	BLET	-
19920515KE						
19	KVRR	FARGO ND	419.1	CP	BPCDT	-
20080317AII						
19	KTVG	GRAND ISLAND NE	389.7	CP	BPCDT	-
19991015ABA						
19	KXNE-TV-	NORFOLK NE	304.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 22
Scenario 1 Affected station 5
Before Analysis

Results for: 19A SD PIERRE DTVPLN DTVP0370 PLN
 HAAT 378.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	51944	36855.5
lost to NTSC IX	1147	224.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1147	224.4

Potential Interfering Stations Included in above Scenario 1

19N ND ELLENDALE	BLET	19920515KE	LIC
19N NE NORFOLK	DTVPLN	NPLN1052	PLN

After Analysis

Results for: 19A SD PIERRE DTVPLN DTVP0370 PLN
 HAAT 378.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	51944	36855.5
lost to NTSC IX	39	120.2
lost to additional IX by ATV	1176	168.3
lost to ATV IX only	1193	200.4
lost to all IX	1215	288.5

Potential Interfering Stations Included in above Scenario 1

19N ND ELLENDALE	BLET	19920515KE	LIC
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0370
*Percent Service lost with proposal:	0.1	to DTVPLN	DTVP0370

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Analysis of Interference to Affected Station 6

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KETV-DT	OMAHA NE	DTVPLN	-DTVP0410

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
19	WHO-DT	DES MOINES IA	208.2	PLN	DTVPLN	-
DTVP0349						
19	KTVG-DT	GRAND ISLAND NE	222.8	PLN	DTVPLN	-
DTVP0364						
19	KXNETV	NORFOLK NE	146.3	PLN	DTVPLN	-
NPLN1052						
20	KWKB	IOWA CITY IA	377.8	PLN	DTVPLN	-
NPLN1076						
20	KBSH-DT	HAYS KS	389.7	PLN	DTVPLN	-
DTVP0396						

20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN	-
DTVP0402						
20	KSMN	WORTHINGTON MN	287.8	PLN	DTVPLN	-
NPLN1084						
21	KTIN	FORT DODGE IA	214.2	PLN	DTVPLN	-
NPLN1105						
21	KTAJ-DT	ST. JOSEPH MO	217.1	PLN	DTVPLN	-
DTVP0444						
21	KHAS-DT	HASTINGS NE	210.9	PLN	DTVPLN	-
DTVP0448						

Results for: 20A NE OMAHA DTVPLN DTVP0410 PLN
 HAAT 415.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1103437	34755.7
not affected by terrain losses	1100762	34515.5
lost to NTSC IX	1637	124.1
lost to additional IX by ATV	327	8.0
lost to ATV IX only	327	8.0
lost to all IX	1964	132.1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KETV	OMAHA NE	DTVPLN	-NPLN0488

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KWWL	WATERLOO IA	366.8	PLN	DTVPLN	-
NPLN0469						
07	KBSHTV	HAYS KS	389.7	PLN	DTVPLN	-
NPLN0473						
07	KMNETV	BASSETT NE	308.2	PLN	DTVPLN	-
NPLN0487						
07	KTTW-DT	SIOUX FALLS SD	249.7	PLN	DTVPLN	-
DTVP0036						
08	KCCI	DES MOINES IA	207.7	PLN	DTVPLN	-
NPLN0530						
08	KLKN	LINCOLN NE	117.1	PLN	DTVPLN	-
NPLN0551						

Results for: 7N NE OMAHA DTVPLN NPLN0488 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1103437	34755.7
not affected by terrain losses	1078782	33014.1
lost to NTSC IX	87518	3711.4
lost to additional IX by ATV	0	0.0
lost to all IX	87518	3711.4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KETV-DT	OMAHA NE	DTVPLN	-DTVP0410

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
19	WHO-DT	DES MOINES IA	208.2	PLN	DTVPLN	-
DTVP0349						

19	KTVG-DT	GRAND ISLAND NE	222.8	PLN	DTVPLN	-
DTVP0364						
19	KXNETV	NORFOLK NE	146.3	PLN	DTVPLN	-
NPLN1052						
19	KTVG	GRAND ISLAND NE	222.8	CP	BPCDT	-
19991015ABA						
20	KBSH-DT	HAYS KS	389.7	PLN	DTVPLN	-
DTVP0396						
20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN	-
DTVP0402						
20	KWKB	IOWA CITY IA	391.7	LIC	BLCT	-
20010613AIG						
20	KSMQ-TV	AUSTIN MN	386.8	CP MOD	BMPEDT	-
20081114AAX						
20	KSMN	WORTHINGTON MN	287.8	LIC	BLET	-
19970224KH						
21	KTIN	FORT DODGE IA	214.2	CP	BPET	-
20060911AAH						
21	KTAJ-DT	ST. JOSEPH MO	217.1	PLN	DTVPLN	-
DTVP0444						
21	KHAS-DT	HASTINGS NE	210.9	PLN	DTVPLN	-
DTVP0448						
19	KXNE-TV-	NORFOLK NE	146.3	APP	USERRECORD-01	

Total scenarios = 1

Result key: 23
 Scenario 1 Affected station 6
 Before Analysis

Results for: 20A NE OMAHA		DTVPLN	DTVP0410	PLN
HAAT	415.0 m, ATV ERP 550.0 kW			
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1103437	34755.7	
not affected by terrain losses		1100762	34515.5	
lost to NTSC IX		1815	160.1	
lost to additional IX by ATV		327	8.0	
lost to ATV IX only		379	16.0	
lost to all IX		2142	168.2	

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N MN WORTHINGTON	BLET	19970224KH	LIC
20A KS HAYS	DTVPLN	DTVP0396	PLN
20A MN AUSTIN	BMPEDT	20081114AAX	CP

After Analysis

Results for: 20A NE OMAHA		DTVPLN	DTVP0410	PLN
HAAT	415.0 m, ATV ERP 550.0 kW			
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1103437	34755.7	
not affected by terrain losses		1100762	34515.5	
lost to NTSC IX		1815	160.1	
lost to additional IX by ATV		342	20.0	
lost to ATV IX only		398	32.0	
lost to all IX		2157	180.2	

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N MN WORTHINGTON	BLET	19970224KH	LIC
20A KS HAYS	DTVPLN	DTVP0396	PLN
20A MN AUSTIN	BMPEDT	20081114AAX	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0410
*Percent Service lost with proposal:		0.0	to DTVPLN DTVP0410

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KETV	OMAHA NE	BLCDDT	-20041222AED

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
19	WHO-DT	DES MOINES IA	208.1	PLN	DTVPLN	-
DTVP0349						
19	KTVG-DT	GRAND ISLAND NE	222.9	PLN	DTVPLN	-
DTVP0364						
19	KXNETV	NORFOLK NE	146.4	PLN	DTVPLN	-
NPLN1052						
19	KTVG	GRAND ISLAND NE	222.9	CP	BPCDDT	-
19991015ABA						
20	KBSH-DT	HAYS KS	389.8	PLN	DTVPLN	-
DTVP0396						
20	KSMQ-DT	AUSTIN MN	361.4	PLN	DTVPLN	-
DTVP0402						
20	KWKB	IOWA CITY IA	391.6	LIC	BLCT	-
20010613AIG						
20	KSMQ-TV	AUSTIN MN	386.7	CP MOD	BMPEDT	-
20081114AAX						
20	KSMN	WORTHINGTON MN	287.8	LIC	BLET	-
19970224KH						
21	KTIN	FORT DODGE IA	214.2	CP	BPET	-
20060911AAH						
21	KTAJ-DT	ST. JOSEPH MO	217.0	PLN	DTVPLN	-
DTVP0444						
21	KHAS-DT	HASTINGS NE	211.0	PLN	DTVPLN	-
DTVP0448						
19	KXNE-TV-	NORFOLK NE	146.4	APP	USERRECORD-01	

Total scenarios = 1

Result key: 24
Scenario 1 Affected station 7
Before Analysis

Results for: 20A NE OMAHA BLCDDT 20041222AED LIC
HAAT 396.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1107039	35384.4
not affected by terrain losses	1100036	35116.2
lost to NTSC IX	2266	160.1
lost to additional IX by ATV	26	8.0
lost to ATV IX only	999	16.0
lost to all IX	2292	168.2

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N MN WORTHINGTON	BLET	19970224KH	LIC
20A KS HAYS	DTVPLN	DTVP0396	PLN
20A MN AUSTIN	BMPEDT	20081114AAX	CP

After Analysis

Results for: 20A NE OMAHA BLCDDT 20041222AED LIC
HAAT 396.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1107039	35384.4
not affected by terrain losses	1100036	35116.2
lost to NTSC IX	2266	160.1
lost to additional IX by ATV	76	24.0
lost to ATV IX only	1079	44.0
lost to all IX	2342	184.2

Potential Interfering Stations Included in above Scenario 1

20N IA IOWA CITY	BLCT	20010613AIG	LIC
20N MN WORTHINGTON	BLET	19970224KH	LIC
20A KS HAYS	DTVPLN	DTVP0396	PLN
20A MN AUSTIN	BMPEDT	20081114AAX	CP
19A NE NORFOLK	USERRECORD01		APP
*Percent Service lost without proposal:		0.1	to BLCDDT
20041222AED			
*Percent Service lost with proposal:		0.1	to BLCDDT
20041222AED			

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Analysis of Interference to Affected Station 8

NTSC Baseline Analysis

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

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
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						
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						
34	KUSD-DT	VERMILLION SD	71.4	PLN	DTVPLN	-
DTVP0955						
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	DTVPLN	NPLN1299	PLN
	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 No.	Call	City/State	Dist(km)	Status	Application	Ref.
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-
DTVP0410						
20	KSMN	WORTHINGTON MN	156.4	LIC	BLET	-
19970224KH						
20	KETV	OMAHA NE	136.0	LIC	BLCDDT	-
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	KYNE-TV	OMAHA NE	141.8	LIC	BLET	-
19801016KG						
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	BLCDDT	-

20050713ABD						
27	KSNT	TOPEKA KS	382.9	LIC	BMLCT	-
20051103AAQ						
27	KSNT	TOPEKA KS	382.9	CP	BPCDT	-
20080401AIA						
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-
DTVP0674						
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-
DTVP0706						
28	KSIN-TV	SIOUX CITY IA	0.0	LIC	BLEDT	-
20050726AMC						
29	KSFY-DT	SIOUX FALLS SD	113.1	PLN	DTVPLN	-
DTVP0765						
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-
DTVP0784						
34	KUSD-DT	VERMILLION SD	71.3	PLN	DTVPLN	-
DTVP0955						
41	KTIV	SIOUX CITY IA	10.5	CP	BPCDT	-
19991101AIH						
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-
DTVP1158						
42	KPTM	OMAHA NE	160.7	LIC	BLCT	-
20051121AON						
19	KXNE-TV-	NORFOLK NE	85.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 25
 Scenario 1 Affected station 8
 Before Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	193	68.3	
lost to additional IX by ATV	104	44.2	
lost to all IX	297	112.5	

Potential Interfering Stations Included in above Scenario 1

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN
27A IA CEDAR RAPIDS	BLCDDT	20050713ABD	LIC

After Analysis

Results for: 27N IA SIOUX CITY	BMLET	20021219AAC	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	264558	19676.9	
not affected by terrain losses	262203	19548.4	
lost to NTSC IX	193	68.3	
lost to additional IX by ATV	170	64.3	
lost to all IX	363	132.6	

Potential Interfering Stations Included in above Scenario 1

42N NE OMAHA	BLCT	20051121AON	LIC
26A SD MITCHELL	DTVPLN	DTVP0652	PLN

27A IA CEDAR RAPIDS BLCDT 20050713ABD LIC
 19A NE NORFOLK USERRECORD01 APP
 *Percent new DTV interference without proposal: 0.0 BMLET
 20021219AAC
 *Percent new DTV interference with proposal: 0.1 BMLET
 20021219AAC

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KXNE-TV-	NORFOLK NE	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
18	960912KE	CARROLL IA	200.8	APP	BPET -
19960912KE					
19	WHO-DT	DES MOINES IA	306.2	PLN	DTVPLN -
DTVP0349					
19	KTVG-DT	GRAND ISLAND NE	199.2	PLN	DTVPLN -
DTVP0364					
19	KCPT	KANSAS CITY MO	422.5	LIC	BMLET -
20041104ATG					
19	KTVG	GRAND ISLAND NE	199.2	CP	BPCDT -
19991015ABA					
19	KPRY-DT	PIERRE SD	304.0	PLN	DTVPLN -
DTVP0370					
20	KETV-DT	OMAHA NE	146.3	PLN	DTVPLN -
DTVP0410					
20	KSMN	WORTHINGTON MN	213.8	LIC	BLET -
19970224KH					
20	KETV	OMAHA NE	146.4	LIC	BLCDT -
20041222AED					

Total scenarios = 4

Result key: 26
 Scenario 1 Affected station 9
 Before Analysis

Results for: 19A NE NORFOLK USERRECORD01 APP
 HAAT 322.0 m, ATV ERP 385.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	274615	22921.3
not affected by terrain losses	271422	22697.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1448	419.1
lost to ATV IX only	1448	419.1
lost to all IX	1448	419.1

Potential Interfering Stations Included in above Scenario 1

19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
19A SD PIERRE	DTVPLN	DTVP0370	PLN
20A NE OMAHA	DTVPLN	DTVP0410	PLN

Result key: 27
 Scenario 2 Affected station 9
 Before Analysis

Results for: 19A NE NORFOLK USERRECORD01 APP
 HAAT 322.0 m, ATV ERP 385.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	274615	22921.3
not affected by terrain losses	271422	22697.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1435	411.1
lost to ATV IX only	1435	411.1
lost to all IX	1435	411.1

Potential Interfering Stations Included in above Scenario 2

19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
19A SD PIERRE	DTVPLN	DTVP0370	PLN
20A NE OMAHA	BLC DT	20041222AED	LIC

Result key: 28
 Scenario 3 Affected station 9
 Before Analysis

Results for: 19A NE NORFOLK USERRECORD01 APP
 HAAT 322.0 m, ATV ERP 385.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	274615	22921.3
not affected by terrain losses	271422	22697.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8601	937.9
lost to ATV IX only	8601	937.9
lost to all IX	8601	937.9

Potential Interfering Stations Included in above Scenario 3

19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
19A SD PIERRE	DTVPLN	DTVP0370	PLN
20A NE OMAHA	DTVPLN	DTVP0410	PLN

Result key: 29
 Scenario 4 Affected station 9
 Before Analysis

Results for: 19A NE NORFOLK USERRECORD01 APP
 HAAT 322.0 m, ATV ERP 385.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	274615	22921.3
not affected by terrain losses	271422	22697.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8601	937.9
lost to ATV IX only	8601	937.9
lost to all IX	8601	937.9

Potential Interfering Stations Included in above Scenario 4

19A IA DES MOINES	DTVPLN	DTVP0349	PLN
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
19A SD PIERRE	DTVPLN	DTVP0370	PLN
20A NE OMAHA	BLCDT	20041222AED	LIC

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