

Smoky Hills Public Television

REFERENCE
39 14 31 N
101 21 38 W

ZONE = 2C DTV

DISPLAY DATES
DATA 07-16-04
SEARCH 07-16-04

..... Channel 19Z, 500 MHz

Call	Channel	Location	Dist	Azi	FCC	Margin
NEW-DT AP 19	Colby	KS	1.36	30.6	> 223.70	-222.34
NEW GR 19Z	Colby	KS	31.63	57.1	> 223.70	-192.07
AP076 AP 19Z	Colby	KS	31.63	57.1	> 215.62	-183.99
K19EG LI 19N	Hol yoke	CO	164.71	329.2	> 219.73	-55.02
K19EG CP 19N	Hol yoke	CO	164.71	329.2	> 215.62	-50.91
ALK15C AL 15-	Oakley	KS	45.60	106.0	<24.1 >96.6	-21.50
K23BU LI 23N	Goodland	KS	30.31	326.5	> 028.87	1.44
K15CG LI 15-	Oakley	KS	45.96	107.2	> 036.71	9.25
KWNBTV ALD 18	HAYES CENTER	NE	156.07	10.2	<24.0 >110.0	46.07
KWNB-D CP 18	Hayes Center	NE	156.21	10.3	<24.0 >110.0	46.21
KWNB-D ST 18	Hayes Center	NE	156.21	10.3	<24.0 >110.0	46.21
KTVG-D ST 19	Grand Island	NE	289.93	54.3	> 223.70	66.23
KTVG-D ST 19	Grand Island	NE	289.93	54.3	> 223.70	66.23
KTVG-D CP 19	Grand Island	NE	289.93	54.3	> 223.70	66.23
KTVG ALD 19	GRAND ISLAND	NE	289.93	54.3	> 223.70	66.23
KBSHTV ALD 20	HAYS	KS	179.56	102.2	<24.0 >110.0	69.56
KBSH-D CP 20	Hays	KS	179.59	102.2	<24.0 >110.0	69.59
K18FO LI 18N	Idalia & S. Yuma	CO	110.70	299.8	> 039.97	70.73
K20HM CP 20N	Idalia	CO	110.70	299.8	> 039.95	70.75

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-23-2004 Time: 14:53:31

Record Selected for Analysis

NEW USERRECORD-01 UNKNOWN ?? US
 Channel 19 ERP 500. kW HAAT 382. m RCAMSL 01421 m
 Latitude 039-14-31 Longitude 0101-21-38
 Status APP Zone 1 Border Offset Z
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 90.
 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	257.762	385.8	65.3
45.0	147.968	400.2	62.2
90.0	500.000	402.5	71.6
135.0	147.968	408.3	62.7
180.0	257.762	393.8	65.8
225.0	412.686	367.7	67.7
270.0	111.864	338.7	56.9
315.0	412.686	359.7	67.1

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

No spacing violations found to other full service stations

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	NEW	UNKNOWN ??	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KUPK-TV	GARDEN CITY KS	186.9	CP	BPCDT	-19991025ADQ
18	KUPK-DT	GARDEN CITY KS	186.9	PLN	DTVPLN	-DTVP0305
18	KWNB-DT	HAYES CENTER NE	156.2	PLN	DTVPLN	-DTVP0316
19	KTVD	DENVER CO	336.5	CP MOD	BMPCDT	-19981231KE
19	KTVD-DT	DENVER CO	334.6	PLN	DTVPLN	-DTVP0342
19	KWCH-DT	HUTCHINSON KS	338.7	PLN	DTVPLN	-DTVP0353
19	KWCH-TV	HUTCHINSON KS	338.7	CP	BPCDT	-19991015ABN
19	KTVG-DT	GRAND ISLAND NE	289.4	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	289.4	CP	BPCDT	-19991015ABA
20	KBSH-TV	HAYS KS	179.1	CP	BPCDT	-19991015ABF
20	KBSH-DT	HAYS KS	179.1	PLN	DTVPLN	-DTVP0396

Analysis of Interference to Affected Station 1

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KUPK-DT	GARDEN CITY KS	DTVPLN	-DTVP0305

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLBY-DT	COLBY KS	188.3	PLN	DTVPLN	-DTVP0260
18	KAAS-TV	SALINA KS	328.4	PLN	DTVPLN	-NPLN1018
18	KWNB-DT	HAYES CENTER NE	332.1	PLN	DTVPLN	-DTVP0316
18	KAFU-DT	ENID OK	278.2	PLN	DTVPLN	-DTVP0319
18	NEW	FARWELL TX	423.6	PLN	DTVPLN	-NPLN1031
18	KJTL	WICHITA FALLS TX	421.2	PLN	DTVPLN	-NPLN1033

Results for: 18A KS GARDEN CITY DTVPLN DTVP0305 PLN
 HAAT 265.0 m, ATV ERP 674.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	114265	25129.1
not affected by terrain losses	114247	25028.6
lost to NTSC IX	0	4.0
lost to additional IX by ATV	0	16.1
lost to ATV IX only	0	20.1
lost to all IX	0	20.1

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
13	KUPKTV	GARDEN CITY KS	DTVPLN -NPLN0831

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
13	KRDOTV	COLORADO SPRINGS CO	385.9	PLN	DTVPLN -NPLN0820
13	KHGITV	KEARNEY NE	368.5	PLN	DTVPLN -NPLN0849
13	KETA	OKLAHOMA CITY OK	366.8	PLN	DTVPLN -NPLN0856

Results for: 13N KS GARDEN CITY DTVPLN NPLN0831 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	114265	25121.1
not affected by terrain losses	113995	24272.3
lost to NTSC IX	106	522.9
lost to additional IX by ATV	0	0.0
lost to all IX	106	522.9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KUPK-TV	GARDEN CITY KS	BPCDT -19991025ADQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KLBY-DT	COLBY KS	188.3	PLN	DTVPLN -DTVP0260
17	KLBY	COLBY KS	187.8	CP	BPCDT -19991025ADA
18	KAAS-TV	SALINA KS	328.4	LIC	BLCT -19880408KF
18	KWNB-DT	HAYES CENTER NE	332.1	PLN	DTVPLN -DTVP0316
18	KAFU-DT	ENID OK	278.2	PLN	DTVPLN -DTVP0319
18	KPTF	FARWELL TX	423.5	LIC	BLCT -20010405ADB
18	KJTL	WICHITA FALLS TX	421.2	LIC	BLCT -19850523LJ
19	NEW	UNKNOWN ??	186.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KUPK-DT	GARDEN CITY KS	DTVPLN -DTVP0305

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLBY-DT	COLBY KS	188.3	PLN	DTVPLN	-DTVP0260
17	KLBY	COLBY KS	187.8	CP	BPCDT	-19991025ADA
18	KAAS-TV	SALINA KS	328.4	LIC	BLCT	-19880408KF
18	KWNB-DT	HAYES CENTER NE	332.1	PLN	DTVPLN	-DTVP0316
18	KAFU-DT	ENID OK	278.2	PLN	DTVPLN	-DTVP0319
18	KPTF	FARWELL TX	423.5	LIC	BLCT	-20010405ADB
18	KJTL	WICHITA FALLS TX	421.2	LIC	BLCT	-19850523LJ
19	NEW	UNKNOWN ??	186.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	KWNB-DT	HAYES CENTER NE	DTVPLN	-DTVP0316

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLBY-DT	COLBY KS	154.5	PLN	DTVPLN	-DTVP0260
17	KTVG	GRAND ISLAND NE	207.9	PLN	DTVPLN	-NPLN0995
18	KRMA-DT	DENVER CO	371.6	PLN	DTVPLN	-DTVP0297
18	KUPK-DT	GARDEN CITY KS	332.1	PLN	DTVPLN	-DTVP0305
18	KAAS-TV	SALINA KS	353.9	PLN	DTVPLN	-NPLN1018
18	NEW	ALBION NE	271.3	PLN	DTVPLN	-NPLN1025
18	KEVN-DT	RAPID CITY SD	423.7	PLN	DTVPLN	-DTVP0325
19	KTVG-DT	GRAND ISLAND NE	207.9	PLN	DTVPLN	-DTVP0364

Results for: 18A NE HAYES CENTER DTVPLN DTVP0316 PLN
 HAAT 216.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	85596	29116.8
not affected by terrain losses	85141	28936.9
lost to NTSC IX	70	40.0
lost to additional IX by ATV	916	48.0
lost to ATV IX only	918	52.0
lost to all IX	986	88.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
06	KWNBTV	HAYES CENTER NE	DTVPLN	-NPLN0427

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	KHASTV	HASTINGS NE	223.4	PLN	DTVPLN	-NPLN0364
06	KRMATV	DENVER CO	371.6	PLN	DTVPLN	-NPLN0400
06	KBSDTV	ENSIGN KS	336.9	PLN	DTVPLN	-NPLN0411
06	WOWT	OMAHA NE	426.9	PLN	DTVPLN	-NPLN0428
06	KPLOTV	RELIANCE SD	389.4	PLN	DTVPLN	-NPLN0439

Results for: 6N NE HAYES CENTER DTVPLN NPLN0427 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	85596	29116.8
not affected by terrain losses	83831	28565.1
lost to NTSC IX	4063	1743.1
lost to additional IX by ATV	0	0.0
lost to all IX	4063	1743.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	KWNB-DT	HAYES CENTER NE	DTVPLN	-DTVP0316

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KLBY-DT	COLBY KS	154.5	PLN	DTVPLN	-DTVP0260
17	KLBY	COLBY KS	154.9	CP	BPCDT	-19991025ADA
17	KTVG	GRAND ISLAND NE	207.9	LIC	BLCT	-19990126KG
18	KRMA-DT	DENVER CO	371.6	PLN	DTVPLN	-DTVP0297
18	KRMA-TV	DENVER CO	370.8	CP MOD	BMPEDT	-20030728AJU
18	KUPK-TV	GARDEN CITY KS	332.1	CP	BPCDT	-19991025ADQ
18	KUPK-DT	GARDEN CITY KS	332.1	PLN	DTVPLN	-DTVP0305
18	KAAS-TV	SALINA KS	353.9	LIC	BLCT	-19880408KF
18	KEVN-DT	RAPID CITY SD	423.7	PLN	DTVPLN	-DTVP0325
19	KTVG-DT	GRAND ISLAND NE	207.9	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	207.9	CP	BPCDT	-19991015ABA
19	NEW	UNKNOWN ??	156.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	KTVD-DT	DENVER CO	DTVPLN	-DTVP0342

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KRMA-DT	DENVER CO	7.0	PLN	DTVPLN	-DTVP0297
20	KTVD	DENVER CO	0.0	PLN	DTVPLN	-NPLN1068

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN

HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11415	232.3
lost to ATV IX only	11415	232.3
lost to all IX	11415	232.3

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
20	KTVD	DENVER CO	DTVPLN -NPLN1068

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	KUSA-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0208
17	KMGH-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0252
18	KRMA-DT	DENVER CO	7.0	PLN	DTVPLN -DTVP0297
19	KTVD-DT	DENVER CO	0.0	PLN	DTVPLN -DTVP0342
20	NEW	DURANGO CO	355.2	PLN	DTVPLN -NPLN1069
20	KDUH-DT	SCOTTSBLUFF NE	324.2	PLN	DTVPLN -DTVP0411
20	KFNB	CASPER WY	353.4	PLN	DTVPLN -NPLN1096
21	KXRMTV	COLORADO SPRINGS CO	107.5	PLN	DTVPLN -NPLN1101
21	KFCT-DT	FORT COLLINS CO	113.2	PLN	DTVPLN -DTVP0430
22	KXRM-DT	COLORADO SPRINGS CO	107.5	PLN	DTVPLN -DTVP0473
22	KFCT	FORT COLLINS CO	113.2	PLN	DTVPLN -NPLN1135
24	KRDO-DT	COLORADO SPRINGS CO	107.5	PLN	DTVPLN -DTVP0559
27	KLWY	CHEYENNE WY	155.6	PLN	DTVPLN -NPLN1324
34	KWGN-DT	DENVER CO	7.0	PLN	DTVPLN -DTVP0928
35	KCNC-DT	DENVER CO	6.6	PLN	DTVPLN -DTVP0966

Results for: 20N CO DENVER	DTVPLN	NPLN1068	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2179205	22233.6	
not affected by terrain losses	2093883	19142.0	
lost to NTSC IX	53201	516.6	
lost to additional IX by ATV	11909	616.7	
lost to all IX	65110	1133.3	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KTVD	DENVER CO	BMPCDT -19981231KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KRMA-DT	DENVER CO	1.6	PLN	DTVPLN -DTVP0297
18	KRMA-TV	DENVER CO	6.5	CP MOD	BMPEDT -20030728AJU
20	KTVD	DENVER CO	0.0	CP	BPCT -20020813ABA
19	NEW	UNKNOWN ??	336.5	APP	USERRECORD-01

Total scenarios = 4

Result key: 1
Scenario 1 Affected station 4
Before Analysis

Results for: 19A CO DENVER	BMPCDT	19981231KE	CP
HAAT 295.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2287298	27629.2	
not affected by terrain losses	2237541	25247.5	
lost to NTSC IX	82	4.0	
lost to additional IX by ATV	9433	143.9	
lost to ATV IX only	9515	147.9	

lost to all IX 9515 147.9

Potential Interfering Stations Included in above Scenario 1

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	DTVPLN	DTVP0297	PLN

After Analysis

Results for: 19A CO DENVER BMPCDT 19981231KE CP
HAAT 295.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2287298	27629.2
not affected by terrain losses	2237541	25247.5
lost to NTSC IX	196	107.9
lost to additional IX by ATV	9433	143.9
lost to ATV IX only	9515	147.9
lost to all IX	9629	251.8

Potential Interfering Stations Included in above Scenario 1

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	DTVPLN	DTVP0297	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-5.4	to BMPCDT	19981231KE
*Percent Service lost with proposal:	-5.4	to BMPCDT	19981231KE

Result key: 2
Scenario 2 Affected station 4
Before Analysis

Results for: 19A CO DENVER BMPCDT 19981231KE CP
HAAT 295.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2287298	27629.2
not affected by terrain losses	2237541	25247.5
lost to NTSC IX	82	4.0
lost to additional IX by ATV	1388	127.9
lost to ATV IX only	1388	127.9
lost to all IX	1470	131.9

Potential Interfering Stations Included in above Scenario 2

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP

After Analysis

Results for: 19A CO DENVER BMPCDT 19981231KE CP
HAAT 295.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2287298	27629.2
not affected by terrain losses	2237541	25247.5
lost to NTSC IX	196	107.9
lost to additional IX by ATV	1388	127.9
lost to ATV IX only	1388	127.9

lost to all IX 1584 235.8

Potential Interfering Stations Included in above Scenario 2

20N CO DENVER	BPCT	20020813ABA	CP	
18A CO DENVER	BMPEDT	20030728AJU	CP	
19N ?? UNKNOWN	USERRECORD01		APP	
*Percent Service lost without proposal:	-5.8	to BMPCDT		19981231KE
*Percent Service lost with proposal:	-5.8	to BMPCDT		19981231KE

Result key: 3
 Scenario 3 Affected station 4
 Before Analysis

Results for: 19A CO DENVER	BMPCDT	19981231KE	CP
HAAT 295.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2287298	27629.2	
not affected by terrain losses	2237541	25247.5	
lost to NTSC IX	82	4.0	
lost to additional IX by ATV	9433	143.9	
lost to ATV IX only	9515	147.9	
lost to all IX	9515	147.9	

Potential Interfering Stations Included in above Scenario 3

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	DTVPLN	DTVP0297	PLN

After Analysis

Results for: 19A CO DENVER	BMPCDT	19981231KE	CP
HAAT 295.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2287298	27629.2	
not affected by terrain losses	2237541	25247.5	
lost to NTSC IX	196	107.9	
lost to additional IX by ATV	9433	143.9	
lost to ATV IX only	9515	147.9	
lost to all IX	9629	251.8	

Potential Interfering Stations Included in above Scenario 3

20N CO DENVER	BPCT	20020813ABA	CP	
18A CO DENVER	DTVPLN	DTVP0297	PLN	
19N ?? UNKNOWN	USERRECORD01		APP	
*Percent Service lost without proposal:	-5.4	to BMPCDT		19981231KE
*Percent Service lost with proposal:	-5.4	to BMPCDT		19981231KE

Result key: 4
 Scenario 4 Affected station 4
 Before Analysis

Results for: 19A CO DENVER	BMPCDT	19981231KE	CP
HAAT 295.0 m, ATV ERP 1000.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	2287298	27629.2
not affected by terrain losses	2237541	25247.5
lost to NTSC IX	82	4.0
lost to additional IX by ATV	1388	127.9
lost to ATV IX only	1388	127.9
lost to all IX	1470	131.9

Potential Interfering Stations Included in above Scenario 4

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP

After Analysis

Results for: 19A CO DENVER BMPCDT 19981231KE CP
 HAAT 295.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2287298	27629.2
not affected by terrain losses	2237541	25247.5
lost to NTSC IX	196	107.9
lost to additional IX by ATV	1388	127.9
lost to ATV IX only	1388	127.9
lost to all IX	1584	235.8

Potential Interfering Stations Included in above Scenario 4

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-5.8	to BMPCDT	19981231KE
*Percent Service lost with proposal:	-5.8	to BMPCDT	19981231KE

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	KTVD-DT	DENVER CO	DTVPLN -DTV0342

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KRMA-DT	DENVER CO	7.0	PLN	DTVPLN -DTV0297
18	KRMA-TV	DENVER CO	0.3	CP MOD	BMPEDT -20030728AJU
20	KTVD	DENVER CO	6.7	CP	BPCT -20020813ABA
19	NEW	UNKNOWN ??	334.6	APP	USERRECORD-01

Total scenarios = 4

Result key: 5
 Scenario 1 Affected station 5

Before Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1215	48.1
lost to additional IX by ATV	11013	216.2
lost to ATV IX only	11415	232.3
lost to all IX	12228	264.3

Potential Interfering Stations Included in above Scenario 1

20N CO DENVER BPCT 20020813ABA CP
 18A CO DENVER DTVPLN DTVP0297 PLN

After Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1543	120.1
lost to additional IX by ATV	11013	216.2
lost to ATV IX only	11415	232.3
lost to all IX	12556	336.4

Potential Interfering Stations Included in above Scenario 1

20N CO DENVER BPCT 20020813ABA CP
 18A CO DENVER DTVPLN DTVP0297 PLN
 19N ?? UNKNOWN USERRECORD01 APP
 *Percent Service lost without proposal: 0.0 to DTVPLN DTVP0342
 *Percent Service lost with proposal: 0.1 to DTVPLN DTVP0342

Result key: 6
 Scenario 2 Affected station 5
 Before Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1215	48.1
lost to additional IX by ATV	2540	52.1
lost to ATV IX only	2540	64.1
lost to all IX	3755	100.1

Potential Interfering Stations Included in above Scenario 2

20N CO DENVER BPCT 20020813ABA CP
 18A CO DENVER BMPEDT 20030728AJU CP

After Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1543	120.1
lost to additional IX by ATV	2540	52.1
lost to ATV IX only	2540	64.1
lost to all IX	4083	172.2

Potential Interfering Stations Included in above Scenario 2

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-0.4	to DTVPLN	DTVP0342
*Percent Service lost with proposal:	-0.3	to DTVPLN	DTVP0342

Result key: 7
 Scenario 3 Affected station 5
 Before Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1215	48.1
lost to additional IX by ATV	11013	216.2
lost to ATV IX only	11415	232.3
lost to all IX	12228	264.3

Potential Interfering Stations Included in above Scenario 3

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	DTVPLN	DTVP0297	PLN

After Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1543	120.1
lost to additional IX by ATV	11013	216.2
lost to ATV IX only	11415	232.3
lost to all IX	12556	336.4

Potential Interfering Stations Included in above Scenario 3

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	DTVPLN	DTVP0297	PLN
19N ?? UNKNOWN	USERRECORD01		APP

*Percent Service lost without proposal: 0.0 to DTVPLN DTVP0342
 *Percent Service lost with proposal: 0.1 to DTVPLN DTVP0342

Result key: 8
 Scenario 4 Affected station 5
 Before Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1215	48.1
lost to additional IX by ATV	2540	52.1
lost to ATV IX only	2540	64.1
lost to all IX	3755	100.1

Potential Interfering Stations Included in above Scenario 4

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP

After Analysis

Results for: 19A CO DENVER DTVPLN DTVP0342 PLN
 HAAT 383.0 m, ATV ERP 248.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2179795	22249.4
not affected by terrain losses	2124443	20078.9
lost to NTSC IX	1543	120.1
lost to additional IX by ATV	2540	52.1
lost to ATV IX only	2540	64.1
lost to all IX	4083	172.2

Potential Interfering Stations Included in above Scenario 4

20N CO DENVER	BPCT	20020813ABA	CP
18A CO DENVER	BMPEDT	20030728AJU	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-0.4	to DTVPLN	DTVP0342
*Percent Service lost with proposal:	-0.3	to DTVPLN	DTVP0342

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Analysis of Interference to Affected Station 6

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
19	KWCH-DT	HUTCHINSON KS	DTVPLN -DTVP0353

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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18	KAASTV	SALINA KS	120.5	PLN	DTVPLN	-NPLN1018
18	KAFU-DT	ENID OK	176.5	PLN	DTVPLN	-DTVP0319
19	KCPT	KANSAS CITY MO	307.1	PLN	DTVPLN	-NPLN1048
19	KTVG-DT	GRAND ISLAND NE	304.5	PLN	DTVPLN	-DTVP0364
19	NEW	MUSKOGEE OK	307.4	PLN	DTVPLN	-NPLN1055
20	KBSH-DT	HAYS KS	164.7	PLN	DTVPLN	-DTVP0396
20	KAFU	ENID OK	176.5	PLN	DTVPLN	-NPLN1088

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1054	124.0
lost to additional IX by ATV	34	40.0
lost to ATV IX only	34	40.0
lost to all IX	1088	164.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
12	KWCHTV	HUTCHINSON KS	DTVPLN	-NPLN0766

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KTWU	TOPEKA KS	206.5	PLN	DTVPLN	-NPLN0714
12	KODETV	JOPLIN MO	304.6	PLN	DTVPLN	-NPLN0774
12	KUONTV	LINCOLN NE	359.9	PLN	DTVPLN	-NPLN0782
12	KSNK-DT	MCCOOK NE	321.1	PLN	DTVPLN	-DTVP0103
12	KWET	CHEYENNE OK	322.3	PLN	DTVPLN	-NPLN0788
13	WIBWTV	TOPEKA KS	182.3	PLN	DTVPLN	-NPLN0832

Results for: 12N KS HUTCHINSON DTVPLN NPLN0766 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	756451	37477.2
not affected by terrain losses	752632	36029.0
lost to NTSC IX	29067	3172.4
lost to additional IX by ATV	76	100.0
lost to all IX	29143	3272.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KWCH-DT	HUTCHINSON KS	DTVPLN	-DTVP0353

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KAAS-TV	SALINA KS	120.5	LIC	BLCT	-19880408KF
18	KAFU-DT	ENID OK	176.5	PLN	DTVPLN	-DTVP0319
19	KCPT	KANSAS CITY MO	307.1	LIC	BLET	-19861022KY
19	KTVG-DT	GRAND ISLAND NE	304.5	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	304.5	CP	BPCDT	-19991015ABA
19	KWBT	MUSKOGEE OK	310.1	LIC	BLCT	-19990922AAE
20	KBSH-TV	HAYS KS	164.6	CP	BPCDT	-19991015ABF
20	KBSH-DT	HAYS KS	164.7	PLN	DTVPLN	-DTVP0396
19	NEW	UNKNOWN ??	338.7	APP	USERRECORD-01	

Total scenarios = 8

Result key: 9
 Scenario 1 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	44	44.0
lost to ATV IX only	44	44.0
lost to all IX	1099	172.0

Potential Interfering Stations Included in above Scenario 1

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	36	40.0
lost to ATV IX only	44	44.0
lost to all IX	1114	204.0

Potential Interfering Stations Included in above Scenario 1

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	BPCDT	19991015ABF	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

Result key: 10
 Scenario 2 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2

not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	34	40.0
lost to ATV IX only	34	40.0
lost to all IX	1089	168.0

Potential Interfering Stations Included in above Scenario 2

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	26	36.0
lost to ATV IX only	34	40.0
lost to all IX	1104	200.0

Potential Interfering Stations Included in above Scenario 2

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

Result key: 11
 Scenario 3 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	70	72.0
lost to ATV IX only	93	80.0
lost to all IX	1125	200.0

Potential Interfering Stations Included in above Scenario 3

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC

19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	51	52.0
lost to ATV IX only	93	80.0
lost to all IX	1129	216.0

Potential Interfering Stations Included in above Scenario 3

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

Result key: 12
 Scenario 4 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	60	68.0
lost to ATV IX only	83	76.0
lost to all IX	1115	196.0

Potential Interfering Stations Included in above Scenario 4

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0

lost to additional IX by ATV	41	48.0
lost to ATV IX only	83	76.0
lost to all IX	1119	212.0

Potential Interfering Stations Included in above Scenario 4

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

Result key: 13
 Scenario 5 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	44	44.0
lost to ATV IX only	44	44.0
lost to all IX	1099	172.0

Potential Interfering Stations Included in above Scenario 5

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	36	40.0
lost to ATV IX only	44	44.0
lost to all IX	1114	204.0

Potential Interfering Stations Included in above Scenario 5

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	BPCDT	19991015ABF	CP

19N ?? UNKNOWN USERRECORD01 APP
 *Percent Service lost without proposal: 0.0 to DTVPLN DTVP0353
 *Percent Service lost with proposal: 0.0 to DTVPLN DTVP0353

Result key: 14
 Scenario 6 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 756439 37473.2
 not affected by terrain losses 756286 37257.2
 lost to NTSC IX 1055 128.0
 lost to additional IX by ATV 34 40.0
 lost to ATV IX only 34 40.0
 lost to all IX 1089 168.0

Potential Interfering Stations Included in above Scenario 6

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 756439 37473.2
 not affected by terrain losses 756286 37257.2
 lost to NTSC IX 1078 164.0
 lost to additional IX by ATV 26 36.0
 lost to ATV IX only 34 40.0
 lost to all IX 1104 200.0

Potential Interfering Stations Included in above Scenario 6

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	DTVPLN	DTVP0364	PLN
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to DTVPLN DTVP0353
*Percent Service lost with proposal:		0.0	to DTVPLN DTVP0353

Result key: 15
 Scenario 7 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	70	72.0
lost to ATV IX only	93	80.0
lost to all IX	1125	200.0

Potential Interfering Stations Included in above Scenario 7

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	51	52.0
lost to ATV IX only	93	80.0
lost to all IX	1129	216.0

Potential Interfering Stations Included in above Scenario 7

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

Result key: 16
 Scenario 8 Affected station 6
 Before Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1055	128.0
lost to additional IX by ATV	60	68.0
lost to ATV IX only	83	76.0
lost to all IX	1115	196.0

Potential Interfering Stations Included in above Scenario 8

18N KS SALINA	BLCT	19880408KF	LIC
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19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON DTVPLN DTVP0353 PLN
 HAAT 463.0 m, ATV ERP 544.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	756439	37473.2
not affected by terrain losses	756286	37257.2
lost to NTSC IX	1078	164.0
lost to additional IX by ATV	41	48.0
lost to ATV IX only	83	76.0
lost to all IX	1119	212.0

Potential Interfering Stations Included in above Scenario 8

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to DTVPLN	DTVP0353
*Percent Service lost with proposal:	0.0	to DTVPLN	DTVP0353

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KWCH-TV	HUTCHINSON KS	BPCDT	-19991015ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KAAS-TV	SALINA KS	120.5	LIC	BLCT	-19880408KF
18	KAFU-DT	ENID OK	176.5	PLN	DTVPLN	-DTVP0319
19	KCPT	KANSAS CITY MO	307.1	LIC	BLET	-19861022KY
19	KTVG-DT	GRAND ISLAND NE	304.5	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	304.6	CP	BPCDT	-19991015ABA
19	KWBT	MUSKOGEE OK	310.1	LIC	BLCT	-19990922AAE
20	KBSH-TV	HAYS KS	164.7	CP	BPCDT	-19991015ABF
20	KBSH-DT	HAYS KS	164.7	PLN	DTVPLN	-DTVP0396
19	NEW	UNKNOWN ??	338.7	APP	USERRECORD-01	

Total scenarios = 4

Result key: 17
 Scenario 1 Affected station 7

Before Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	678	168.0
lost to additional IX by ATV	209	208.0
lost to ATV IX only	227	216.0
lost to all IX	887	376.1

Potential Interfering Stations Included in above Scenario 1

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	710	212.0
lost to additional IX by ATV	181	176.0
lost to ATV IX only	227	216.0
lost to all IX	891	388.1

Potential Interfering Stations Included in above Scenario 1

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-2.8	to BPCDT	19991015ABN
*Percent Service lost with proposal:	-2.8	to BPCDT	19991015ABN

Result key: 18
 Scenario 2 Affected station 7
 Before Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	678	168.0
lost to additional IX by ATV	130	176.0
lost to ATV IX only	148	184.0
lost to all IX	808	344.0

Potential Interfering Stations Included in above Scenario 2

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	710	212.0
lost to additional IX by ATV	102	144.0
lost to ATV IX only	148	184.0
lost to all IX	812	356.1

Potential Interfering Stations Included in above Scenario 2

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-2.8	to BPCDT	19991015ABN
*Percent Service lost with proposal:	-2.8	to BPCDT	19991015ABN

Result key: 19
Scenario 3 Affected station 7
Before Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	678	168.0
lost to additional IX by ATV	209	208.0
lost to ATV IX only	227	216.0
lost to all IX	887	376.1

Potential Interfering Stations Included in above Scenario 3

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP

After Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	710	212.0
lost to additional IX by ATV	181	176.0
lost to ATV IX only	227	216.0
lost to all IX	891	388.1

Potential Interfering Stations Included in above Scenario 3

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	BPCDT	19991015ABF	CP
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:	-2.8	to BPCDT	19991015ABN
*Percent Service lost with proposal:	-2.8	to BPCDT	19991015ABN

Result key: 20
 Scenario 4 Affected station 7
 Before Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	678	168.0
lost to additional IX by ATV	130	176.0
lost to ATV IX only	148	184.0
lost to all IX	808	344.0

Potential Interfering Stations Included in above Scenario 4

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN

After Analysis

Results for: 19A KS HUTCHINSON BPCDT 19991015ABN CP
 HAAT 434.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	780699	41230.0
not affected by terrain losses	777402	40897.9
lost to NTSC IX	710	212.0
lost to additional IX by ATV	102	144.0
lost to ATV IX only	148	184.0
lost to all IX	812	356.1

Potential Interfering Stations Included in above Scenario 4

18N KS SALINA	BLCT	19880408KF	LIC
19N MO KANSAS CITY	BLET	19861022KY	LIC
19N OK MUSKOGEE	BLCT	19990922AAE	LIC
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP
20A KS HAYS	DTVPLN	DTVP0396	PLN
19N ?? UNKNOWN	USERRECORD01		APP
*Percent Service lost without proposal:		-2.8	to BPCDT 19991015ABN
*Percent Service lost with proposal:		-2.8	to BPCDT 19991015ABN

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Analysis of Interference to Affected Station 8

DTV Baseline Analysis

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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	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	Call	City/State	Dist(km)	Status	Application Ref. No.
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	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT -19880408KF
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN -DTVP0316
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN -DTVP0353
19	KWCH-TV	HUTCHINSON KS	304.5	CP	BPCDT -19991015ABN
19	KCPT	KANSAS CITY MO	393.7	LIC	BLET -19861022KY
19	KXNE-TV	NORFOLK NE	199.2	CP	BPET -20030822AGH
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN -DTVP0370
20	KBSH-TV	HAYS KS	215.3	CP	BPCDT -19991015ABF
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN -DTVP0396
20	KETV	OMAHA NE	222.9	CP MOD	BMPCDT -20040325ABG
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN -DTVP0410
19	NEW	UNKNOWN ??	289.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	KAAS-TV	SALINA KS	206.8	LIC	BLCT -19880408KF
18	KWNB-DT	HAYES CENTER NE	207.9	PLN	DTVPLN -DTVP0316
19	KWCH-DT	HUTCHINSON KS	304.5	PLN	DTVPLN -DTVP0353
19	KWCH-TV	HUTCHINSON KS	304.6	CP	BPCDT -19991015ABN
19	KCPT	KANSAS CITY MO	393.7	LIC	BLET -19861022KY

19	KXNE-TV	NORFOLK NE	199.2	CP	BPET	-20030822AGH
19	KPRY-DT	PIERRE SD	389.7	PLN	DTVPLN	-DTVP0370
20	KBSH-TV	HAYS KS	215.3	CP	BPCDT	-19991015ABF
20	KBSH-DT	HAYS KS	215.3	PLN	DTVPLN	-DTVP0396
20	KETV	OMAHA NE	222.9	CP MOD	BMPCDT	-20040325ABG
20	KETV-DT	OMAHA NE	222.8	PLN	DTVPLN	-DTVP0410
19	NEW	UNKNOWN ??	289.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KBSH-DT	HAYS KS	DTVPLN	-DTVP0396

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KWCH-DT	HUTCHINSON KS	164.7	PLN	DTVPLN	-DTVP0353
19	KTVG-DT	GRAND ISLAND NE	215.3	PLN	DTVPLN	-DTVP0364
20	KETV-DT	OMAHA NE	389.7	PLN	DTVPLN	-DTVP0410
20	KAFU	ENID OK	296.0	PLN	DTVPLN	-NPLN1088
21	NEW	DODGE CITY KS	138.5	PLN	DTVPLN	-NPLN1107
21	KAKE-DT	WICHITA KS	200.3	PLN	DTVPLN	-DTVP0439
21	KHAS-DT	HASTINGS NE	212.7	PLN	DTVPLN	-DTVP0448

Results for: 20A KS HAYS DTVPLN DTVP0396 PLN
 HAAT 216.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	100124	24986.7
not affected by terrain losses	100087	24918.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	51	20.0
lost to ATV IX only	51	20.0
lost to all IX	51	20.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KBSHTV	HAYS KS	DTVPLN	-NPLN0473

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMNETV	BASSETT NE	383.8	PLN	DTVPLN	-NPLN0487
07	KETV	OMAHA NE	389.7	PLN	DTVPLN	-NPLN0488
08	KPTS	HUTCHINSON KS	164.1	PLN	DTVPLN	-NPLN0535
08	KSNK	MCCOOK NE	157.5	PLN	DTVPLN	-NPLN0552

Results for: 7N KS HAYS DTVPLN NPLN0473 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	100124	24986.7
not affected by terrain losses	94553	23489.1
lost to NTSC IX	19	36.0

lost to additional IX by ATV	0	0.0
lost to all IX	19	36.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KBSH-TV	HAYS KS	BPCDT	-19991015ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KWCH-DT	HUTCHINSON KS	164.6	PLN	DTVPLN	-DTVP0353
19	KWCH-TV	HUTCHINSON KS	164.7	CP	BPCDT	-19991015ABN
19	KTVG-DT	GRAND ISLAND NE	215.3	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	215.3	CP	BPCDT	-19991015ABA
20	KETV	OMAHA NE	389.7	CP MOD	BMPCDT	-20040325ABG
20	KETV-DT	OMAHA NE	389.7	PLN	DTVPLN	-DTVP0410
21	KDCK	DODGE CITY KS	138.5	LIC	BLEDT	-20030423ABG
21	KDCK	DODGE CITY KS	138.5	LIC	BLET	-19980310KE
21	KAKE-DT	WICHITA KS	200.3	PLN	DTVPLN	-DTVP0439
21	KAKE-TV	WICHITA KS	200.4	CP	BPCDT	-19991025AEG
21	KHAS-TV	HASTINGS NE	212.4	CP MOD	BMPCDT	-20020221AAT
21	KHAS-DT	HASTINGS NE	212.7	PLN	DTVPLN	-DTVP0448
19	NEW	UNKNOWN ??	179.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KBSH-DT	HAYS KS	DTVPLN	-DTVP0396

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KWCH-DT	HUTCHINSON KS	164.7	PLN	DTVPLN	-DTVP0353
19	KWCH-TV	HUTCHINSON KS	164.7	CP	BPCDT	-19991015ABN
19	KTVG-DT	GRAND ISLAND NE	215.3	PLN	DTVPLN	-DTVP0364
19	KTVG	GRAND ISLAND NE	215.3	CP	BPCDT	-19991015ABA
20	KETV	OMAHA NE	389.8	CP MOD	BMPCDT	-20040325ABG
20	KETV-DT	OMAHA NE	389.7	PLN	DTVPLN	-DTVP0410
21	KDCK	DODGE CITY KS	138.5	LIC	BLEDT	-20030423ABG
21	KDCK	DODGE CITY KS	138.5	LIC	BLET	-19980310KE
21	KAKE-DT	WICHITA KS	200.3	PLN	DTVPLN	-DTVP0439
21	KAKE-TV	WICHITA KS	200.4	CP	BPCDT	-19991025AEG
21	KHAS-TV	HASTINGS NE	212.5	CP MOD	BMPCDT	-20020221AAT
21	KHAS-DT	HASTINGS NE	212.7	PLN	DTVPLN	-DTVP0448
19	NEW	UNKNOWN ??	179.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	NEW	UNKNOWN ??	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	KLBY-DT	COLBY KS	1.8	PLN	DTVPLN -DTVP0260
17	KLBY	COLBY KS	1.4	CP	BPCDT -19991025ADA
18	KUPK-TV	GARDEN CITY KS	186.9	CP	BPCDT -19991025ADQ
18	KUPK-DT	GARDEN CITY KS	186.9	PLN	DTVPLN -DTVP0305
18	KWNB-DT	HAYES CENTER NE	156.2	PLN	DTVPLN -DTVP0316
19	KTVD	DENVER CO	336.5	CP MOD	BMPCDT -19981231KE
19	KTVD-DT	DENVER CO	334.6	PLN	DTVPLN -DTVP0342
19	KWCH-DT	HUTCHINSON KS	338.7	PLN	DTVPLN -DTVP0353
19	KWCH-TV	HUTCHINSON KS	338.7	CP	BPCDT -19991015ABN
19	KTVG-DT	GRAND ISLAND NE	289.4	PLN	DTVPLN -DTVP0364
19	KTVG	GRAND ISLAND NE	289.4	CP	BPCDT -19991015ABA
20	KBSH-TV	HAYS KS	179.1	CP	BPCDT -19991015ABF
20	KBSH-DT	HAYS KS	179.1	PLN	DTVPLN -DTVP0396

Total scenarios = 4

Result key: 21
 Scenario 1 Affected station 12
 Before Analysis

Results for: 19N ?? UNKNOWN	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	24807	14625.2
not affected by terrain losses	24778	14584.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	154	217.7
lost to all IX	154	217.7

Potential Interfering Stations Included in above Scenario 1

19A CO DENVER	BMPCDT	19981231KE	CP
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP

Result key: 22
 Scenario 2 Affected station 12
 Before Analysis

Results for: 19N ?? UNKNOWN	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	24807	14625.2
not affected by terrain losses	24778	14584.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	166	245.9
lost to all IX	166	245.9

Potential Interfering Stations Included in above Scenario 2

19A CO DENVER	BMPCDT	19981231KE	CP
19A KS HUTCHINSON	BPCDT	19991015ABN	CP
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP

Result key: 23
 Scenario 3 Affected station 12
 Before Analysis

Results for: 19N ?? UNKNOWN	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	24807	14625.2
not affected by terrain losses	24778	14584.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	115	177.4
lost to all IX	115	177.4

Potential Interfering Stations Included in above Scenario 3

19A CO DENVER	DTVPLN	DTVP0342	PLN
19A KS HUTCHINSON	DTVPLN	DTVP0353	PLN
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP

Result key: 24
 Scenario 4 Affected station 12
 Before Analysis

Results for: 19N ?? UNKNOWN	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	24807	14625.2
not affected by terrain losses	24778	14584.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	127	205.6
lost to all IX	127	205.6

Potential Interfering Stations Included in above Scenario 4

19A CO DENVER	DTVPLN	DTVP0342	PLN
19A KS HUTCHINSON	BPCDT	19991015ABN	CP
19A NE GRAND ISLAND	BPCDT	19991015ABA	CP

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