

Date: 03-14-2008 Time: 18:13:15

Record Selected for Analysis

KESD-D USERRECORD-01 BROOKINGS SD US  
 Channel 08 ERP 8.2 kW HAAT 230. m RCAMSL 00764 m  
 Latitude 044-20-16 Longitude 0097-13-42  
 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)	36.0 dBu F(50,90) (km)
0.0	8.200	225.3	87.0
45.0	8.200	215.7	86.2
90.0	8.200	219.8	86.6
135.0	8.200	228.7	87.2
180.0	8.200	231.2	87.4
225.0	8.200	235.5	87.7
270.0	8.200	244.0	88.2
315.0	8.200	236.0	87.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KESD-D 08 BROOKINGS SD USERRECORD01

and station

SHORT TO: KTTW-DT 07 SIOUX FALLS SD DTVPLN DTVP0036  
 43-29-20 96-45-40  
 Req. separation => 23.0 <= 110.0 Actual separation 101.5 Short 8.5( 78.5) km

SHORT TO: KTTW 07 SIOUX FALLS SD BMPCDT 20080213ACH  
 043-30-19 0096-34-19  
 Req. separation => 23.0 <= 110.0 Actual separation 106.5 Short 3.5( 83.5) km

SHORT TO: KTTW 07 SIOUX FALLS SD BMPCDT 20060613AAT  
 043-30-18 0096-33-22  
 Req. separation => 23.0 <= 110.0 Actual separation 107.1 Short 2.9( 84.1) km

SHORT TO: KABY-TV 09 ABERDEEN SD BLCT 19830930KL

045-06-32 0097-53-30  
Req. separation => 11.0 <= 125.0 Actual separation 100.5 Short 24.5( 89.5) km

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

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# Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
08	KESD-D	BROOKINGS SD	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KTTW-DT	SIOUX FALLS SD	101.5	PLN	DTVPLN	-DTVP0036
07	KTTW	SIOUX FALLS SD	106.4	APP	BMPCDT	-20080213ACH
07	KTTW	SIOUX FALLS SD	107.1	CP MOD	BMPCDT	-20060613AAT
08	KCCI	DES MOINES IA	405.8	LIC	BMLCT	-20050628ACB
08	KLKN	LINCOLN NE	384.0	LIC	BLCT	-19960708KK
08	KZSD-TV	MARTIN SD	360.8	LIC	BLET	-20070202AAO
08	KZSD-TV	MARTIN SD	360.8	APP	BSTA	-20080214AEE
08	KZSD-TV	MARTIN SD	360.8	CP	BPEDT	-20080214ADA
09	KCAU-TV	SIOUX CITY IA	210.6	LIC	BLCT	-2442
09	KABY-TV	ABERDEEN SD	100.4	LIC	BLCT	-19830930KL

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## Analysis of Interference to Affected Station 1

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	KTTW-DT	SIOUX FALLS SD	DTVPLN	-DTVP0036

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	417.8	PLN	DTVPLN	-NPLN0469
07	KCCOTV	ALEXANDRIA MN	275.8	PLN	DTVPLN	-NPLN0480
07	KJRR	JAMESTOWN ND	413.1	PLN	DTVPLN	-NPLN0486
07	KMNETV	BASSETT NE	256.1	PLN	DTVPLN	-NPLN0487
07	KETV	OMAHA NE	249.7	PLN	DTVPLN	-NPLN0488

Results for: 7A SD SIOUX FALLS DTVPLN DTVP0036 PLN  
HAAT 151.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	175534	9169.4
not affected by terrain losses	175417	9133.4
lost to NTSC IX	644	132.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	644	132.0

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
17	KTTW	SIOUX FALLS SD	DTVPLN	-NPLN1002

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KMEG	SIOUX CITY IA	114.5	PLN	DTVPLN	-NPLN0884
15	KSMN-DT	WORTHINGTON MN	79.6	PLN	DTVPLN	-DTVP0173
16	KXNE-DT	NORFOLK NE	145.3	PLN	DTVPLN	-DTVP0231
17	KDSMTV	DES MOINES IA	318.9	PLN	DTVPLN	-NPLN0984
17	KTCITV	ST. PAUL MN	337.9	PLN	DTVPLN	-NPLN0988
17	KTVG	GRAND ISLAND NE	341.1	PLN	DTVPLN	-NPLN0995
17	KYNE-DT	OMAHA NE	255.6	PLN	DTVPLN	-DTVP0270
17	KDSD-DT	ABERDEEN SD	234.9	PLN	DTVPLN	-DTVP0281
18	KESD-DT	BROOKINGS SD	101.3	PLN	DTVPLN	-DTVP0324
20	KSMN	WORTHINGTON MN	79.6	PLN	DTVPLN	-NPLN1084
24	KCSD-DT	SIOUX FALLS SD	5.4	PLN	DTVPLN	-DTVP0583
32	KELO-DT	SIOUX FALLS SD	18.5	PLN	DTVPLN	-DTVP0881

Results for: 17N SD SIOUX FALLS                      DTVPLN              NPLN1002              PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	159655	6670.1
not affected by terrain losses	159564	6662.1
lost to NTSC IX	173	44.0
lost to additional IX by ATV	5561	175.9
lost to all IX	5734	219.9

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KTTW-DT	SIOUX FALLS SD	DTVPLN	-DTVP0036

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	417.9	LIC	BLCT	-20060524AEV
07	KCCO-TV	ALEXANDRIA MN	276.1	LIC	BLCT	-19980528KG
07	KJRR	JAMESTOWN ND	413.0	LIC	BLCT	-20010820ABE
07	KMNE-TV	BASSETT NE	256.1	LIC	BLET	-19871103KG
07	KETV	OMAHA NE	249.7	LIC	BLCT	-20050114ADV
08	KESD-D	BROOKINGS SD	101.5	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.
07	KTTW	SIOUX FALLS SD	BMPCDT	-20080213ACH

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	403.7	LIC	BLCT	-20060524AEV
07	KCCO-TV	ALEXANDRIA MN	267.8	LIC	BLCT	-19980528KG
07	KJRR	JAMESTOWN ND	417.2	LIC	BLCT	-20010820ABE
07	KMNE-TV	BASSETT NE	270.3	LIC	BLET	-19871103KG
07	KETV	OMAHA NE	248.2	LIC	BLCT	-20050114ADV
08	KESD-D	BROOKINGS SD	106.4	APP	USERRECORD-01	

Total scenarios =    2

Result key:

1

Scenario            1    Affected station                      2

Before Analysis

Results for: 7A SD SIOUX FALLS                      BMPCDT              20080213ACH    APP

HAAT    218.0 m, ATV ERP            7.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	252323	18883.9
not affected by terrain losses	249609	17876.1
lost to NTSC IX	6678	1483.7
lost to additional IX by ATV	0	0.0
lost to ATV IXonly	0	0.0

lost to all IX	6678	1483.7	
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Potential Interfering Stations Included in above Scenario 1

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC

After Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20080213ACH APP

HAAT 218.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	252323	18883.9
not affected by terrain losses	249609	17876.1
lost to NTSC IX	6678	1483.7
lost to additional IX by ATV	300	148.0
lost to ATV IX only	1370	351.9
lost to all IX	6978	1631.6

Potential Interfering Stations Included in above Scenario 1

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC
8A SD BROOKINGS	USERRECORD01		APP
*Percent Service lost without proposal:	-39.0	to BMPCDT	20080213ACH
*Percent Service lost with proposal:	-38.8	to BMPCDT	20080213ACH

Result key: 2

Scenario 2 Affected station 2

Before Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20080213ACH APP

HAAT 218.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	252323	18883.9
not affected by terrain losses	249609	17876.1
lost to NTSC IX	6678	1483.7
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	6678	1483.7

Potential Interfering Stations Included in above Scenario 2

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC

After Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20080213ACH APP

HAAT 218.0 m, ATV ERP 7.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	252323	18883.9
not affected by terrain losses	249609	17876.1
lost to NTSC IX	6678	1483.7
lost to additional IX by ATV	300	148.0
lost to ATV IX only	1370	351.9
lost to all IX	6978	1631.6

Potential Interfering Stations Included in above Scenario 2

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC
8A SD BROOKINGS	USERRECORD01		APP
*Percent Service lost without proposal:	-39.0	to BMPCDT	20080213ACH
*Percent Service lost with proposal:	-38.8	to BMPCDT	20080213ACH

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## Analysis of current record

Channel	Call	City/State	Application Ref. No.	
07	KTTW	SIOUX FALLS SD	BMPCDT	-20060613AAT

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KWWL	WATERLOO IA	402.5	LIC	BLCT -20060524AEV
07	KCCO-TV	ALEXANDRIA MN	267.3	LIC	BLCT -19980528KG
07	KJRR	JAMESTOWN ND	417.7	LIC	BLCT -20010820ABE
07	KMNE-TV	BASSETT NE	271.5	LIC	BLET -19871103KG
07	KETV	OMAHA NE	247.9	LIC	BLCT -20050114ADV
08	KESD-D	BROOKINGS SD	107.1	APP	USERRECORD-01

Total scenarios = 2

## Result key:

3

Scenario 1 Affected station 3

## Before Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20060613AAT CP

HAAT 328.0 m, ATV ERP 5.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	261635	19661.3
not affected by terrain losses	259856	19001.1
lost to NTSC IX	5307	1552.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	5307	1552.4

Potential Interfering Stations Included in above Scenario 1

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC

## After Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20060613AAT CP

HAAT 328.0 m, ATV ERP 5.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	261635	19661.3
not affected by terrain losses	259856	19001.1
lost to NTSC IX	5307	1552.4
lost to additional IX by ATV	155	76.0
lost to ATV IX only	316	144.0
lost to all IX	5462	1628.4

Potential Interfering Stations Included in above Scenario 1

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC
8A SD BROOKINGS	USERRECORD01		APP
*Percent Service lost without proposal:	-45.6	to BMPCDT	20060613AAT
*Percent Service lost with proposal:	-45.6	to BMPCDT	20060613AAT

## Result key:

4

Scenario 2 Affected station 3

## Before Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20060613AAT CP

HAAT 328.0 m, ATV ERP 5.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	261635	19661.3
not affected by terrain losses	259856	19001.1

lost to NTSC IX	5307	1552.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	5307	1552.4

Potential Interfering Stations Included in above Scenario 2

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC

After Analysis

Results for: 7A SD SIOUX FALLS BMPCDT 20060613AAT CP

HAAT 328.0 m, ATV ERP 5.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	261635	19661.3
not affected by terrain losses	259856	19001.1
lost to NTSC IX	5307	1552.4
lost to additional IX by ATV	155	76.0
lost to ATV IX only	316	144.0
lost to all IX	5462	1628.4

Potential Interfering Stations Included in above Scenario 2

7N MN ALEXANDRIA	BLCT	19980528KG	LIC
7N NE BASSETT	BLET	19871103KG	LIC
7N NE OMAHA	BLCT	20050114ADV	LIC
8A SD BROOKINGS	USERRECORD01		APP
*Percent Service lost without proposal:	-45.6	to BMPCDT	20060613AAT
*Percent Service lost with proposal:	-45.6	to BMPCDT	20060613AAT

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Analysis of Interference to Affected Station 4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
08	KCCI	DES MOINES IA	DTVPLN	-NPLN0530

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	160.5	PLN	DTVPLN	-NPLN0469
07	KETV	OMAHA NE	207.7	PLN	DTVPLN	-NPLN0488
08	WQADTV	MOLINE IL	275.2	PLN	DTVPLN	-NPLN0533
08	KOMUTV	COLUMBIA MO	344.5	PLN	DTVPLN	-NPLN0544
08	KLKN	LINCOLN NE	324.2	PLN	DTVPLN	-NPLN0551
08	WKBT	LA CROSSE WI	314.3	PLN	DTVPLN	-NPLN0573
09	KCRGTV	CEDAR RAPIDS IA	156.0	PLN	DTVPLN	-NPLN0592

Results for: 8N IA DES MOINES DTVPLN NPLN0530 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	919280	44773.8
not affected by terrain losses	907667	42893.2
lost to NTSC IX	70747	8101.2
lost to additional IX by ATV	0	0.0
lost to all IX	70747	8101.2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KCCI	DES MOINES IA	BMLCT	-20050628ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	160.6	LIC	BLCT	-20060524AEV
07	KETV	OMAHA NE	207.6	LIC	BLCT	-20050114ADV
08	WQAD-TV	MOLINE IL	275.2	LIC	BLCT	-1294
08	KOMU-TV	COLUMBIA MO	344.5	LIC	BLCT	-19880427KG

08	KOMU-TV	COLUMBIA MO	344.5	CP	BPCDT	-20080215AFG
08	KLKN	LINCOLN NE	324.2	LIC	BLCT	-19960708KK
08	WKBT	LA CROSSE WI	314.3	CP	BPCT	-20040812AAX
09	KCRG-TV	CEDAR RAPIDS IA	156.0	CP	BPCDT	-20080227ABZ
09	KCRG-TV	CEDAR RAPIDS IA	156.0	LIC	BLCT	-2401
08	KESD-D	BROOKINGS SD	405.8	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
08	KLKN	LINCOLN NE	DTVPLN	-NPLN0551

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KETV	OMAHA NE	117.1	PLN	DTVPLN	-NPLN0488
08	KCCI	DES MOINES IA	324.2	PLN	DTVPLN	-NPLN0530
08	KPTS	HUTCHINSON KS	316.8	PLN	DTVPLN	-NPLN0535
08	KSNK	MCCOOK NE	310.5	PLN	DTVPLN	-NPLN0552
09	KCAUTV	SIOUX CITY IA	209.2	PLN	DTVPLN	-NPLN0593

Results for:	8N NE LINCOLN	DTVPLN	NPLN0551	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		632750	36108.1	
not affected by terrain losses		620071	35258.0	
lost to NTSC IX		143376	6595.5	
lost to additional IX by ATV		0	0.0	
lost to all IX		143376	6595.5	

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KLKN	LINCOLN NE	BLCT	-19960708KK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KETV	OMAHA NE	117.2	LIC	BLCT	-20050114ADV
08	KCCI	DES MOINES IA	324.2	LIC	BMLCT	-20050628ACB
08	KPTS	HUTCHINSON KS	316.8	LIC	BLET	-263
08	KSNK	MCCOOK NE	310.5	LIC	BMLCT	-20031125AMP
09	KCAU-TV	SIOUX CITY IA	209.2	LIC	BLCT	-2442
08	KESD-D	BROOKINGS SD	384.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 6

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
08	KZSDTV	MARTIN SD	DTVPLN	-NPLN0564

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMNETV	BASSETT NE	208.3	PLN	DTVPLN	-NPLN0487
07	KEVNTV	RAPID CITY SD	153.2	PLN	DTVPLN	-NPLN0501
08	KSNK	MCCOOK NE	406.9	PLN	DTVPLN	-NPLN0552
08	NEW	LARAMIE WY	397.9	PLN	DTVPLN	-NPLN0575
09	KBHETV	RAPID CITY SD	152.0	PLN	DTVPLN	-NPLN0623

Results for:	8N SD MARTIN	DTVPLN	NPLN0564	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		29022	26438.9	
not affected by terrain losses		26936	24341.4	

lost to NTSC IX	104	524.4
lost to additional IX by ATV	0	0.0
lost to all IX	104	524.4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KZSD-TV	MARTIN SD	BLET	-20070202AAO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMNE-TV	BASSETT NE	208.2	LIC	BLET	-19871103KG
07	KDUH-TV	SCOTTSDLUFF NE	216.2	LIC	BLCDT	-20050914AAH
07	KDUHTV	SCOTTSDLUFF NE	195.8	LIC	BPRM	-20000417AAF
07	KEVN-TV	RAPID CITY SD	153.3	LIC	BLCT	-2543
07	KEVN-TV	RAPID CITY SD	153.3	CP MOD	BMPCDT	-20080208ADY
08	KSNK	MCCOOK NE	406.7	LIC	BMLCT	-20031125AMP
08	KWYP-TV	LARAMIE WY	397.8	APP	BPEDT	-20080312AAZ
08	KWYP-TV	LARAMIE WY	398.6	LIC	BLET	-20041129BBK
09	KBHE-TV	RAPID CITY SD	152.1	LIC	BLET	-19980403KG
09	KBHE-TV	RAPID CITY SD	152.0	APP	BPET	-20070108ABY
08	KESD-D	BROOKINGS SD	360.8	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.
08	KZSD-TV	MARTIN SD	BSTA	-20080214AEE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMNE-TV	BASSETT NE	208.2	LIC	BLET	-19871103KG
07	KDUH-TV	SCOTTSDLUFF NE	216.2	LIC	BLCDT	-20050914AAH
07	KDUHTV	SCOTTSDLUFF NE	195.8	LIC	BPRM	-20000417AAF
07	KEVN-TV	RAPID CITY SD	153.3	LIC	BLCT	-2543
07	KEVN-TV	RAPID CITY SD	153.3	CP MOD	BMPCDT	-20080208ADY
08	KSNK	MCCOOK NE	406.7	LIC	BMLCT	-20031125AMP
08	KWYP-TV	LARAMIE WY	397.8	APP	BPEDT	-20080312AAZ
08	KWYP-TV	LARAMIE WY	398.6	LIC	BLET	-20041129BBK
09	KBHE-TV	RAPID CITY SD	152.1	LIC	BLET	-19980403KG
09	KBHE-TV	RAPID CITY SD	152.0	APP	BPET	-20070108ABY
08	KESD-D	BROOKINGS SD	360.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KZSD-TV	MARTIN SD	BPEDT	-20080214ADA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMNE-TV	BASSETT NE	208.2	LIC	BLET	-19871103KG
07	KDUH-TV	SCOTTSDLUFF NE	216.2	LIC	BLCDT	-20050914AAH
07	KDUHTV	SCOTTSDLUFF NE	195.8	LIC	BPRM	-20000417AAF
07	KEVN-TV	RAPID CITY SD	153.3	LIC	BLCT	-2543
07	KEVN-TV	RAPID CITY SD	153.3	CP MOD	BMPCDT	-20080208ADY
08	KSNK	MCCOOK NE	406.7	LIC	BMLCT	-20031125AMP
08	KWYP-TV	LARAMIE WY	397.8	APP	BPEDT	-20080312AAZ
08	KWYP-TV	LARAMIE WY	398.6	LIC	BLET	-20041129BBK



09	KBHE-TV	RAPID CITY SD	152.1	LIC	BLET	-19980403KG
09	KBHE-TV	RAPID CITY SD	152.0	APP	BPET	-20070108ABY
08	KESD-D	BROOKINGS SD	360.8	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.		
09	KCAUTV	SIOUX CITY IA	DTVPLN		-NPLN0593

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
08	KLKN	LINCOLN NE	209.2	PLN	DTVPLN	-NPLN0551
09	KCRGTV	CEDAR RAPIDS IA	359.9	PLN	DTVPLN	-NPLN0592
09	KMSPTV	MINNEAPOLIS MN	370.9	PLN	DTVPLN	-NPLN0601
09	KMBCTV	KANSAS CITY MO	415.2	PLN	DTVPLN	-NPLN0602
09	KABYTV	ABERDEEN SD	310.3	PLN	DTVPLN	-NPLN0622
10	KOLN	LINCOLN NE	213.3	PLN	DTVPLN	-NPLN0665

Results for: 9N IA SIOUX CITY DTVPLN NPLN0593 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	616939	45505.5
not affected by terrain losses	558241	43281.4
lost to NTSC IX	95442	5070.4
lost to additional IX by ATV	0	0.0
lost to all IX	95442	5070.4

## Analysis of current record

Channel	Call	City/State	Application Ref. No.	
09	KCAU-TV	SIOUX CITY IA	BLCT	-2442

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
08	KLKN	LINCOLN NE	209.2	LIC	BLCT	-19960708KK
09	KCRG-TV	CEDAR RAPIDS IA	359.9	CP	BPCDT	-20080227ABZ
09	KCRG-TV	CEDAR RAPIDS IA	359.9	LIC	BLCT	-2401
09	KMSP-TV	MINNEAPOLIS MN	370.9	LIC	BLCT	-19861030KK
09	KMBC-TV	KANSAS CITY MO	415.2	LIC	BLCT	-19891129KF
09	KABY-TV	ABERDEEN SD	310.3	LIC	BLCT	-19830930KL
10	KOLN	LINCOLN NE	213.3	CP	BPCT	-20050315AFJ
08	KESD-D	BROOKINGS SD	210.6	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 10

## NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.	
09	KABYTV	ABERDEEN SD	DTVPLN	-NPLN0622

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
09	KCAUTV	SIOUX CITY IA	310.3	PLN	DTVPLN	-NPLN0593
09	Kawe	BEMIDJI MN	388.6	PLN	DTVPLN	-NPLN0600
09	KMSPTV	MINNEAPOLIS MN	374.1	PLN	DTVPLN	-NPLN0601
10	KWCMTV	APPLETON MN	148.4	PLN	DTVPLN	-NPLN0658
10	KTSDTV	PIERRE SD	185.6	PLN	DTVPLN	-NPLN0681

Results for: 9N SD ABERDEEN DTVPLN NPLN0622 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	137233	35214.4
not affected by terrain losses	123311	32795.4

lost to NTSC IX	5883	2306.3
lost to additional IX by ATV	0	0.0
lost to all IX	5883	2306.3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KABY-TV	ABERDEEN SD	BLCT	-19830930KL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KCAU-TV	SIOUX CITY IA	310.3	LIC	BLCT	-2442
09	Kawe	BEMIDJI MN	388.6	LIC	BLET	-19800718KG
09	KMSP-TV	MINNEAPOLIS MN	374.1	LIC	BLCT	-19861030KK
10	KWCM-TV	APPLETON MN	148.4	LIC	BLET	-19850318KE
10	KTSD-TV	PIERRE SD	185.6	LIC	BLET	-264
10	KTSD-TV	PIERRE SD	185.1	CP	BPEDT	-20080214ACZ
10	KTSD-TV	PIERRE SD	185.1	APP	BSTA	-20080214AED
08	KESD-D	BROOKINGS SD	100.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 5

Scenario 1 Affected station 10

Before Analysis

Results for: 9N SD ABERDEEN

	BLCT	19830930KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	137233	35214.4	
not affected by terrain losses	123311	32795.4	
lost to NTSC IX	5883	2306.3	
lost to additional IX by ATV	0	0.0	
lost to all IX	5883	2306.3	

Potential Interfering Stations Included in above Scenario 1

9N IA SIOUX CITY	BLCT	2442	LIC
9N MN MINNEAPOLIS	BLCT	19861030KK	LIC
10N MN APPLETON	BLET	19850318KE	LIC
10N SD PIERRE	BLET	264	LIC

After Analysis

Results for: 9N SD ABERDEEN

	BLCT	19830930KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	137233	35214.4	
not affected by terrain losses	123311	32795.4	
lost to NTSC IX	5883	2306.3	
lost to additional IX by ATV	97	64.4	
lost to all IX	5980	2370.7	

Potential Interfering Stations Included in above Scenario 1

9N IA SIOUX CITY	BLCT	2442	LIC
9N MN MINNEAPOLIS	BLCT	19861030KK	LIC
10N MN APPLETON	BLET	19850318KE	LIC
10N SD PIERRE	BLET	264	LIC
8A SD BROOKINGS	USERRECORD01	APP	
*Percent new DTV interference without proposal:	0.0	BLCT	19830930KL
*Percent new DTV interference with proposal:	0.1	BLCT	19830930KL

Result key: 6

Scenario 2 Affected station 10

Before Analysis

Results for: 9N SD ABERDEEN

	BLCT	19830930KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	137233	35214.4	
not affected by terrain losses	123311	32795.4	
lost to NTSC IX	5883	2306.3	
lost to additional IX by ATV	0	0.0	

lost to all IX	5883	2306.3
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Potential Interfering Stations Included in above Scenario 2

9N IA SIOUX CITY	BLCT	2442	LIC
9N MN MINNEAPOLIS	BLCT	19861030KK	LIC
10N MN APPLETON	BLET	19850318KE	LIC
10N SD PIERRE	BLET	264	LIC

After Analysis

Results for: 9N SD ABERDEEN

	BLCT	19830930KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	137233	35214.4	
not affected by terrain losses	123311	32795.4	
lost to NTSC IX	5883	2306.3	
lost to additional IX by ATV	97	64.4	
lost to all IX	5980	2370.7	

Potential Interfering Stations Included in above Scenario 2

9N IA SIOUX CITY	BLCT	2442	LIC
9N MN MINNEAPOLIS	BLCT	19861030KK	LIC
10N MN APPLETON	BLET	19850318KE	LIC
10N SD PIERRE	BLET	264	LIC
8A SD BROOKINGS	USERRECORD01	APP	

\*Percent new DTV interference without proposal: 0.0 BLCT 19830930KL

\*Percent new DTV interference with proposal: 0.1 BLCT 19830930KL

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KESD-D	BROOKINGS SD	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KCCO-TV	ALEXANDRIA MN	222.6	LIC	BLCT -19980528KG
07	KTTW-DT	SIOUX FALLS SD	101.5	PLN	DTVPLN -DTVP0036
07	KTTW	SIOUX FALLS SD	106.4	APP	BMPCDT -20080213ACH
07	KTTW	SIOUX FALLS SD	107.1	CP MOD	BMPCDT -20060613AAT
08	KCCI	DES MOINES IA	405.8	LIC	BMLCT -20050628ACB
08	WDAZ-TV	DEVILS LAKE ND	426.7	LIC	BMLCT -709
08	KLKN	LINCOLN NE	384.0	LIC	BLCT -19960708KK
08	KZSD-TV	MARTIN SD	360.8	LIC	BLET -20070202AAO
08	KZSD-TV	MARTIN SD	360.8	APP	BSTA -20080214AEE
08	KZSD-TV	MARTIN SD	360.8	CP	BPEDT -20080214ADA
09	KCAU-TV	SIOUX CITY IA	210.6	LIC	BLCT -2442
09	KABY-TV	ABERDEEN SD	100.4	LIC	BLCT -19830930KL

Total scenarios = 3

Result key: 7

Scenario 1 Affected station 11

Before Analysis

Results for: 8A SD BROOKINGS

HAAT 230.0 m, ATV ERP 8.2 kW	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	135861	23863.3
not affected by terrain losses	132062	22722.0
lost to NTSC IX	419	350.9
lost to additional IX by ATV	2933	129.1
lost to ATV IX only	2933	129.1
lost to all IX	3352	479.9

Potential Interfering Stations Included in above Scenario 1

8N NE LINCOLN	BLCT	19960708KK	LIC
8N SD MARTIN	BLET	20070202AAO	LIC
9N SD ABERDEEN	BLCT	19830930KL	LIC
7A SD SIOUX FALLS	DTVPLN	DTVP0036	PLN

Result key: 8  
Scenario 2 Affected station 11  
Before Analysis

Results for: 8A SD BROOKINGS USERRECORD01 APP

HAAT 230.0 m, ATV ERP 8.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	135861	23863.3
not affected by terrain losses	132062	22722.0
lost to NTSC IX	419	350.9
lost to additional IX by ATV	921	104.9
lost to ATV IX only	921	104.9
lost to all IX	1340	455.7

Potential Interfering Stations Included in above Scenario 2

8N NE LINCOLN	BLCT	19960708KK	LIC
8N SD MARTIN	BLET	20070202AAO	LIC
9N SD ABERDEEN	BLCT	19830930KL	LIC
7A SD SIOUX FALLS	BMPCDT	20060613AAT	CP

Result key: 9  
Scenario 3 Affected station 11  
Before Analysis

Results for: 8A SD BROOKINGS USERRECORD01 APP

HAAT 230.0 m, ATV ERP 8.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	135861	23863.3
not affected by terrain losses	132062	22722.0
lost to NTSC IX	419	350.9
lost to additional IX by ATV	1842	173.4
lost to ATV IX only	1842	173.4
lost to all IX	2261	524.3

Potential Interfering Stations Included in above Scenario 3

8N NE LINCOLN	BLCT	19960708KK	LIC
8N SD MARTIN	BLET	20070202AAO	LIC
9N SD ABERDEEN	BLCT	19830930KL	LIC
7A SD SIOUX FALLS	BMPCDT	20080213ACH	APP

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