

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-10-2008 Time: 11:42:10

Record Selected for Analysis

KZSD-D USERRECORD-01 MARTIN SD US
Channel 08 ERP 44.7 kW HAAT 266. m RCAMSL 01133 m
Latitude 043-25-59 Longitude 0101-33-16
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	41.281	292.8	103.2
45.0	44.432	336.9	107.2
90.0	42.930	308.2	104.6
135.0	36.975	246.7	100.2
180.0	35.327	217.7	97.3
225.0	35.686	224.4	98.1
270.0	36.288	239.7	99.5
315.0	38.205	263.8	101.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KZSD-D 08 MARTIN SD USERRECORD01

and station

SHORT TO: KZSD-TV 08 MARTIN SD BDTV 1426
43 -26-06 101 -33-14
Req. separation 273.6 Actual separation 0.2 Short 273.4 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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
08	KZSD-D	MARTIN SD	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KMNE-TV	BASSETT NE	208.2	LIC	BDTV	-1020
07	KDUH-TV	SCOTTSBLUFF NE	216.2	LIC	BDTV	-1043
07	KEVNTV	RAPID CITY SD	153.3	LIC	BDTV	-1431
08	KESD-TV	BROOKINGS SD	360.8	LIC	BDTV	-1419
08	KWYP-TV	LARAMIE WY	398.6	LIC	BDTV	-1806
07	KEVN-D.C	RAPID CITY-3 SD	153.3	APP	USERRECORD-02	
08	KESD-D.C	BROOKINGS-3 SD	360.8	APP	USERRECORD-03	
07	KMNE-D.C	BASSETT NE	208.2	APP	USERRECORD-04	
08	KWYP-D.C	LARAMIE WY	397.8	APP	USERRECORD-05	

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KMNE-TV	BASSETT NE	BDTV	-1020

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KBSH-TV	HAYS KS	383.8	LIC	BDTV	-0611
07	KDUH-TV	SCOTTSBLUFF NE	301.2	LIC	BDTV	-1043
07	KEVNTV	RAPID CITY SD	360.8	LIC	BDTV	-1431
07	KTTW	SIOUX FALLS SD	256.1	LIC	BDTV	-1436
08	KZSD-D	MARTIN SD	208.2	APP	USERRECORD-01	
07	KEVN-D.C	RAPID CITY-3 SD	360.8	APP	USERRECORD-02	

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	KDUH-TV	SCOTTSBLUFF NE	BDTV	-1043

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KMGH-TV	DENVER CO	296.6	LIC	BDTV	-0237
07	KMNE-TV	BASSETT NE	301.2	LIC	BDTV	-1020
07	KEVNTV	RAPID CITY SD	247.8	LIC	BDTV	-1431
08	KWYP-TV	LARAMIE WY	206.5	LIC	BDTV	-1806
08	KZSD-D	MARTIN SD	216.2	APP	USERRECORD-01	
07	KEVN-D.C	RAPID CITY-3 SD	247.8	APP	USERRECORD-02	
07	KMNE-D.C	BASSETT NE	301.2	APP	USERRECORD-04	
08	KWYP-D.C	LARAMIE WY	206.6	APP	USERRECORD-05	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KEVNTV	RAPID CITY SD	BDTV	-1431

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KQCD-TV	DICKINSON ND	320.8	LIC	BDTV	-0998
07	KMNE-TV	BASSETT NE	360.8	LIC	BDTV	-1020
07	KDUH-TV	SCOTTSBLUFF NE	247.8	LIC	BDTV	-1043
07	KSWY	SHERIDAN WY	313.4	LIC	BDTV	-1810
08	KZSD-D	MARTIN SD	153.3	APP	USERRECORD-01	
07	KEVN-D.C	RAPID CITY-3 SD	0.0	APP	USERRECORD-02	
07	KMNE-D.C	BASSETT NE	360.8	APP	USERRECORD-04	

Total scenarios = 5

Result key: 1

Scenario 1 Affected station 3

Before Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC

HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2

lost to all IX	1364	937.2
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Potential Interfering Stations Included in above Scenario 1

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC

After Analysis

Results for: 7A SD RAPID CITY	BDTV	1431	LIC
HAAT 204.0 m, ATV ERP 12.3 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2
lost to all IX	1364	937.2

Potential Interfering Stations Included in above Scenario 1

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1431
*Percent Service lost with proposal:	0.0	to BDTV	1431

Result key: 2
Scenario 2 Affected station 3
Before Analysis

Results for: 7A SD RAPID CITY	BDTV	1431	LIC
HAAT 204.0 m, ATV ERP 12.3 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113212	16873.0
lost to ATV IX only	113212	16873.0
lost to all IX	113212	16873.0

Potential Interfering Stations Included in above Scenario 2

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY-3	USERRECORD02		APP

After Analysis

Results for: 7A SD RAPID CITY	BDTV	1431	LIC
HAAT 204.0 m, ATV ERP 12.3 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113212	16873.0

lost to ATV IX only	113212	16873.0
lost to all IX	113212	16873.0

Potential Interfering Stations Included in above Scenario 2

7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	BDTV	1020	LIC	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
7A SD RAPID CITY-3	USERRECORD02		APP	
8A SD MARTIN	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to BDTV	1431
*Percent Service lost with proposal:		0.0	to BDTV	1431

Result key: 3
 Scenario 3 Affected station 3
 Before Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2
lost to all IX	1364	937.2

Potential Interfering Stations Included in above Scenario 3

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC

After Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2
lost to all IX	1364	937.2

Potential Interfering Stations Included in above Scenario 3

7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	BDTV	1020	LIC	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
8A SD MARTIN	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to BDTV	1431
*Percent Service lost with proposal:		0.0	to BDTV	1431

Result key: 4
 Scenario 4 Affected station 3
 Before Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113212	16873.0
lost to ATV IX only	113212	16873.0
lost to all IX	113212	16873.0

Potential Interfering Stations Included in above Scenario 4

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY-3	USERRECORD02		APP

After Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	113212	16873.0
lost to ATV IX only	113212	16873.0
lost to all IX	113212	16873.0

Potential Interfering Stations Included in above Scenario 4

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY-3	USERRECORD02		APP
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1431
*Percent Service lost with proposal:	0.0	to BDTV	1431

Result key: 5
 Scenario 5 Affected station 3
 Before Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2
lost to all IX	1364	937.2

Potential Interfering Stations Included in above Scenario 5

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP
7A NE SCOTTSBLUFF	BDTV	1043	LIC

After Analysis

Results for: 7A SD RAPID CITY BDTV 1431 LIC
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	149137	22335.8
not affected by terrain losses	130760	20261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1364	937.2
lost to ATV IX only	1364	937.2
lost to all IX	1364	937.2

Potential Interfering Stations Included in above Scenario 5

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP
7A NE SCOTTSBLUFF	BDTV	1043	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1431
*Percent Service lost with proposal:	0.0	to BDTV	1431

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KESD-TV	BROOKINGS SD	BDTV	-1419

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KCCO-TV	ALEXANDRIA MN	222.2	LIC	BDTV	-0814
07	KTTW	SIOUX FALLS SD	101.5	LIC	BDTV	-1436
08	KCCI	DES MOINES IA	405.8	LIC	BDTV	-0470
08	WDAZ-TV	DEVILS LAKE ND	426.7	LIC	BDTV	-0996
08	KLKN	LINCOLN NE	384.0	LIC	BDTV	-1028
09	KCAU-TV	SIOUX CITY IA	210.6	LIC	BDTV	-0484
09	KABY-TV	ABERDEEN SD	100.4	LIC	BDTV	-1417
08	KZSD-D	MARTIN SD	360.8	APP	USERRECORD-01	
08	KESD-D.C	BROOKINGS-3 SD	0.0	APP	USERRECORD-03	

Total scenarios = 3

Result key: 6
 Scenario 1 Affected station 4
 Before Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
 HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5276	1035.9

lost to ATV IX only	5276	1035.9
lost to all IX	5276	1035.9

Potential Interfering Stations Included in above Scenario 1

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC

After Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5283	1040.0
lost to ATV IX only	5283	1040.0
lost to all IX	5283	1040.0

Potential Interfering Stations Included in above Scenario 1

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1419
*Percent Service lost with proposal:	0.0	to BDTV	1419

Result key: 7
Scenario 2 Affected station 4
Before Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123931	19953.1
lost to ATV IX only	123931	19953.1
lost to all IX	123931	19953.1

Potential Interfering Stations Included in above Scenario 2

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC
8A SD BROOKINGS-3	USERRECORD03		APP

After Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	123931	19953.1
lost to ATV IX only	123931	19953.1
lost to all IX	123931	19953.1

Potential Interfering Stations Included in above Scenario 2

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC
8A SD BROOKINGS-3	USERRECORD03		APP
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1419
*Percent Service lost with proposal:	0.0	to BDTV	1419

Result key: 8
 Scenario 3 Affected station 4
 Before Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
 HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5276	1035.9
lost to ATV IX only	5276	1035.9
lost to all IX	5276	1035.9

Potential Interfering Stations Included in above Scenario 3

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC

After Analysis

Results for: 8A SD BROOKINGS BDTV 1419 LIC
 HAAT 230.0 m, ATV ERP 9.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	133152	21646.1
not affected by terrain losses	128307	20549.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5283	1040.0
lost to ATV IX only	5283	1040.0
lost to all IX	5283	1040.0

Potential Interfering Stations Included in above Scenario 3

7A SD SIOUX FALLS	BDTV	1436	LIC
9A SD ABERDEEN	BDTV	1417	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BDTV	1419
*Percent Service lost with proposal:	0.0	to BDTV	1419

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KWYP-TV	LARAMIE WY	BDTV -1806

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KMGH-TV	DENVER CO	174.1	LIC	BDTV	-0237
07	KDUH-TV	SCOTTSBLUFF NE	206.5	LIC	BDTV	-1043
08	KTSC	PUEBLO CO	286.9	LIC	BDTV	-0260
08	KWC-TV	LANDER WY	305.9	LIC	BDTV	-1805
09	KUSA-TV	DENVER CO	174.1	LIC	BDTV	-0238
09	KFNR	RAWLINS WY	158.7	LIC	BDTV	-1807
08	KZSD-D	MARTIN SD	398.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KEVN-D.C	RAPID CITY-3 SD	USERRECORD-02

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
07	KQCD-TV	DICKINSON ND	320.8	LIC	BDTV	-0998
07	KMNE-TV	BASSETT NE	360.8	LIC	BDTV	-1020
07	KDUH-TV	SCOTTSBLUFF NE	247.8	LIC	BDTV	-1043
07	KEVNTV	RAPID CITY SD	0.0	LIC	BDTV	-1431
07	KSWY	SHERIDAN WY	313.4	LIC	BDTV	-1810
08	KZSD-D	MARTIN SD	153.3	APP	USERRECORD-01	
07	KMNE-D.C	BASSETT NE	360.8	APP	USERRECORD-04	

Total scenarios = 2

Result key: 9

Scenario 1 Affected station 6

Before Analysis

Results for: 7A SD RAPID CITY-3 USERRECORD02 APP

HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	153322	22777.4
not affected by terrain losses	132330	20658.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	114953	17102.1
lost to ATV IX only	114953	17102.1
lost to all IX	114953	17102.1

Potential Interfering Stations Included in above Scenario 1

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY	BDTV	1431	LIC

After Analysis

Results for: 7A SD RAPID CITY-3 USERRECORD02 APP
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	153322	22777.4
not affected by terrain losses	132330	20658.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	114953	17102.1
lost to ATV IX only	114953	17102.1
lost to all IX	114953	17102.1

Potential Interfering Stations Included in above Scenario 1

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	BDTV	1020	LIC
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY	BDTV	1431	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to USERRECORD02
*Percent Service lost with proposal:		0.0	to USERRECORD02

Result key: 10
 Scenario 2 Affected station 6
 Before Analysis

Results for: 7A SD RAPID CITY-3 USERRECORD02 APP
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	153322	22777.4
not affected by terrain losses	132330	20658.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	114953	17102.1
lost to ATV IX only	114953	17102.1
lost to all IX	114953	17102.1

Potential Interfering Stations Included in above Scenario 2

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP
7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY	BDTV	1431	LIC

After Analysis

Results for: 7A SD RAPID CITY-3 USERRECORD02 APP
 HAAT 204.0 m, ATV ERP 12.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	153322	22777.4
not affected by terrain losses	132330	20658.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	114953	17102.1
lost to ATV IX only	114953	17102.1
lost to all IX	114953	17102.1

Potential Interfering Stations Included in above Scenario 2

7A ND DICKINSON	BDTV	0998	LIC
7A NE BASSETT	USERRECORD04		APP

7A NE SCOTTSBLUFF	BDTV	1043	LIC
7A SD RAPID CITY	BDTV	1431	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to USERRECORD02
*Percent Service lost with proposal:		0.0	to USERRECORD02

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KESD-D.C	BROOKINGS-3 SD	USERRECORD-03

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	KCCO-TV	ALEXANDRIA MN	222.2	LIC	BDTV -0814
07	KTTW	SIOUX FALLS SD	101.5	LIC	BDTV -1436
08	KCCI	DES MOINES IA	405.8	LIC	BDTV -0470
08	WDAZ-TV	DEVILS LAKE ND	426.7	LIC	BDTV -0996
08	KLKN	LINCOLN NE	384.0	LIC	BDTV -1028
08	KESD-TV	BROOKINGS SD	0.0	LIC	BDTV -1419
09	KCAU-TV	SIOUX CITY IA	210.6	LIC	BDTV -0484
09	KABY-TV	ABERDEEN SD	100.4	LIC	BDTV -1417
08	KZSD-D	MARTIN SD	360.8	APP	USERRECORD-01

Total scenarios = 1

Result key: 11
Scenario 1 Affected station 7
Before Analysis

Results for: 8A SD BROOKINGS-3 USERRECORD03 APP
HAAT 230.0 m, ATV ERP 24.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	188650	28513.6
not affected by terrain losses	181544	26948.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	175515	26105.8
lost to ATV IX only	175515	26105.8
lost to all IX	175515	26105.8

Potential Interfering Stations Included in above Scenario 1

7A SD SIOUX FALLS	BDTV	1436	LIC
8A NE LINCOLN	BDTV	1028	LIC
8A SD BROOKINGS	BDTV	1419	LIC
9A SD ABERDEEN	BDTV	1417	LIC

After Analysis

Results for: 8A SD BROOKINGS-3 USERRECORD03 APP
HAAT 230.0 m, ATV ERP 24.0 kW

	POPULATION	AREA (sq km)
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within Noise Limited Contour	188650	28513.6
not affected by terrain losses	181544	26948.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	175515	26105.8
lost to ATV IX only	175515	26105.8
lost to all IX	175515	26105.8

Potential Interfering Stations Included in above Scenario 1

7A SD SIOUX FALLS	BDTV	1436	LIC
8A NE LINCOLN	BDTV	1028	LIC
8A SD BROOKINGS	BDTV	1419	LIC
9A SD ABERDEEN	BDTV	1417	LIC
8A SD MARTIN	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to USERRECORD03	
*Percent Service lost with proposal:	0.0	to USERRECORD03	

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KMNE-D.C	BASSETT NE	USERRECORD-04

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	KBSH-TV	HAYS KS	383.8	LIC	BDTV -0611
07	KDUH-TV	SCOTTSBLUFF NE	301.2	LIC	BDTV -1043
07	KEVNTV	RAPID CITY SD	360.8	LIC	BDTV -1431
07	KTTW	SIOUX FALLS SD	256.1	LIC	BDTV -1436
08	KZSD-D	MARTIN SD	208.2	APP	USERRECORD-01
07	KEVN-D.C	RAPID CITY-3 SD	360.8	APP	USERRECORD-02

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.
08	KWYP-D.C	LARAMIE WY	USERRECORD-05

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	KMGH-TV	DENVER CO	176.5	LIC	BDTV -0237
07	KDUH-TV	SCOTTSBLUFF NE	206.6	LIC	BDTV -1043
08	KTSC	PUEBLO CO	289.5	LIC	BDTV -0260
08	KCWC-TV	LANDER WY	304.0	LIC	BDTV -1805
09	KUSA-TV	DENVER CO	176.5	LIC	BDTV -0238
09	KFNR	RAWLINS WY	157.1	LIC	BDTV -1807

08 KZSD-D MARTIN SD 397.8 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KZSD-D	MARTIN SD	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
07	KMNE-TV	BASSETT NE	208.2	LIC	BDTV -1020
07	KDUH-TV	SCOTTSBLUFF NE	216.2	LIC	BDTV -1043
07	KEVNTV	RAPID CITY SD	153.3	LIC	BDTV -1431
08	KESD-TV	BROOKINGS SD	360.8	LIC	BDTV -1419
08	KWYP-TV	LARAMIE WY	398.6	LIC	BDTV -1806
07	KEVN-D.C	RAPID CITY-3 SD	153.3	APP	USERRECORD-02
08	KESD-D.C	BROOKINGS-3 SD	360.8	APP	USERRECORD-03
07	KMNE-D.C	BASSETT NE	208.2	APP	USERRECORD-04
08	KWYP-D.C	LARAMIE WY	397.8	APP	USERRECORD-05

Total scenarios = 4

Result key: 12
Scenario 1 Affected station 10
Before Analysis

Results for: 8A SD MARTIN USERRECORD01 APP
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	37084	32339.1
not affected by terrain losses	31566	30690.0
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

Result key: 13
Scenario 2 Affected station 10
Before Analysis

Results for: 8A SD MARTIN USERRECORD01 APP
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	37084	32339.1
not affected by terrain losses	31566	30690.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18	88.1
lost to ATV IX only	18	88.1
lost to all IX	18	88.1

Potential Interfering Stations Included in above Scenario 2

7A SD RAPID CITY-3	USERRECORD02	APP
8A SD BROOKINGS-3	USERRECORD03	APP

Result key: 14
Scenario 3 Affected station 10
Before Analysis

Results for: 8A SD MARTIN USERRECORD01 APP
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	37084	32339.1
not affected by terrain losses	31566	30690.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3	12.0
lost to ATV IX only	3	12.0
lost to all IX	3	12.0

Potential Interfering Stations Included in above Scenario 3

7A SD RAPID CITY-3	USERRECORD02	APP
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Result key: 15
Scenario 4 Affected station 10
Before Analysis

Results for: 8A SD MARTIN USERRECORD01 APP
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	37084	32339.1
not affected by terrain losses	31566	30690.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15	76.1
lost to ATV IX only	15	76.1
lost to all IX	15	76.1

Potential Interfering Stations Included in above Scenario 4

8A SD BROOKINGS-3	USERRECORD03	APP
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