#### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

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

Record Selected for Analysis

SD US KZSD-D USERRECORD-01 MARTIN

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 O.
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	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	( m )	(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 Mountian

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

ARN

Proposed Station

Channel Call City/State

08 KZSD-D MARTIN SD USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	on Ref.
No.						
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
8 0	KESD-TV	BROOKINGS SD	360.8	LIC	BDTV	-1419
8 0	KWYP-TV	LARAMIE WY	398.6	LIC	BDTV	-1806
07	KEVN-D.C	RAPID CITY-3 SD	153.3	APP	USERRECORI	0-02
8 0	KESD-D.C	BROOKINGS-3 SD	360.8	APP	USERRECORI	0-03
07	KMNE-D.C	BASSETT NE	208.2	APP	USERRECORD-04	
8 0	KWYP-D.C	LARAMIE WY	397.8	APP	USERRECORI	0-05

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	Call	City/State	Dist(km)	Status	Applicati	on Ref.
No.						
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	USERRECOR	D-01
07	KEVN-D.C	RAPID CITY-3 SD	360.8	APP	USERRECOR	D-02
Prop	osal caus	es no interference				

Channel Call City/State Application Ref. No. 07 KDUH-TV SCOTTSBLUFF NE BDTV -1043

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Applicati	on Ref.
No.						
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
80	KWYP-TV	LARAMIE WY	206.5	LIC	BDTV	-1806
80	KZSD-D	MARTIN SD	216.2	APP	USERRECOR	D-01
07	KEVN-D.C	RAPID CITY-3 SD	247.8	APP	USERRECOR	D-02
07	KMNE-D.C	BASSETT NE	301.2	APP	USERRECOR	D-04
08	KWYP-D.C	LARAMIE WY	206.6	APP	USERRECOR	.D-05
Prop	osal caus	es no interference				

Analysis of Interference to Affected Station 3

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Applica	ation Ref.
No.						
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	USERREC	CORD-01
07	KEVN-D.C	RAPID CITY-3 SD	0.0	APP	USERREC	CORD-02
07	KMNE-D.C	BASSETT NE	360.8	APP	USERREC	CORD-04

Total scenarios = 5

Result key: 1
Scenario 1 Affected station 3

Before Analysis

BDTV 1431 LIC Results for: 7A SD RAPID CITY 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 Stat	ions Inc	luded in ab	oove Scenario	1
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	BDTV		LIC	
7A NE SCOTTSBLUFF	BDTV		LIC	
	DD1 v	1013	ше	
After Analysis				
Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP		BDTV	1431	LIC
MAAI 201.0 M, AIV EKE		OPULATION	AREA (sq km)	
within Noise Limited Con		149137	22335.8	
not affected by terrain				
lost to NTSC IX	105565	0	0.0	
lost to MISC IX	<sub>τ</sub> 7\ T'\ 7	1364	937.2	
lost to additional ix by	Y V	1364	937.2	
lost to all IX		1364	937.2	
Potential Interfering Stat	ions Inc	luded in ab	oove Scenario	1
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	BDTV	1020	LIC	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
8A SD MARTIN	USERREC	ORD01	APP	
*Percent Service lost with	nout propo	osal:	0.0 to BDTV	143
*D				
	n proposal	1:	0.0 to BDTV	143
Result key: 2 Scenario 2 Affected Before Analysis	n proposal	1:	0.0 to BDTV	143
Result key: 2 Scenario 2 Affected Before Analysis Results for: 7A SD RAPID C	n proposal d station	1: 3 BDTV	0.0 to BDTV	
Result key: 2 Scenario 2 Affected Before Analysis	n proposal d station CITY 12.3 kW	1: 3 BDTV	0.0 to BDTV	
Result key: 2 Scenario 2 Affected Before Analysis Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP	n proposal d station CITY 12.3 kW P(	1: 3 BDTV OPULATION	0.0 to BDTV  1431  AREA (sq km)	
Result key: 2 Scenario 2 Affected Before Analysis Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP within Noise Limited Con	n proposal d station CITY 12.3 kW P( ntour	1: 3 BDTV OPULATION 149137	1431 AREA (sq km) 22335.8	
Result key: 2 Scenario 2 Affected Before Analysis Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP within Noise Limited Cornot affected by terrain	n proposal d station CITY 12.3 kW P( ntour	1: 3 BDTV OPULATION 149137	1431  AREA (sq km) 22335.8 20261.3	
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX	d station CITY 12.3 kW PO ntour losses	3 BDTV OPULATION 149137 130760 0	1431 AREA (sq km) 22335.8	
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cor not affected by terrain lost to NTSC IX lost to additional IX by	d station CITY 12.3 kW PO ntour losses	3 BDTV OPULATION 149137 130760	1431  AREA (sq km) 22335.8 20261.3 0.0	
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX	d station CITY 12.3 kW PO ntour losses	BDTV  OPULATION 149137 130760 0 113212	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0	
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	d station  CITY  12.3 kW  Pontour  losses	BDTV  OPULATION 149137 130760 0 113212 113212 113212	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering State	n proposal d station CITY 12.3 kW Pontour losses V ATV	3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 113212 luded in ak	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario	
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Commot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering State  7A ND DICKINSON	n proposal d station CITY 12.3 kW PO ntour losses ATV cions Incl BDTV	BDTV  OPULATION	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT	d station  CITY 12.3 kW PO  ntour losses  ATV  BDTV BDTV	BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario  LIC LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Com not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF	d station  CITY 12.3 kW PO  ntour losses  ATV  BDTV BDTV BDTV	BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario  LIC LIC LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT	d station  CITY 12.3 kW PO  ntour losses  ATV  BDTV BDTV	BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario  LIC LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF	d station  CITY 12.3 kW PO  ntour losses  ATV  BDTV BDTV BDTV	BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario  LIC LIC LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis  Results for: 7A SD RAPID C	e proposal d station CITY 12.3 kW PO ntour losses ATV Cions Incl BDTV BDTV BDTV USERRECO	1:  3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0 bove Scenario  LIC LIC LIC	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering State  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis	e proposal d station CITY 12.3 kW PO ntour losses V ATV Cions Incl BDTV BDTV BDTV USERRECO	1:  3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0  Dove Scenario  LIC LIC LIC APP	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP	n proposal d station CITY 12.3 kW PO ntour losses V ATV  Sions Incl BDTV BDTV BDTV USERRECO CITY 12.3 kW PO	1:  3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV  OPULATION	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0  Dove Scenario  LIC LIC LIC APP  1431  AREA (sq km)	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Corn	e proposal d station CITY 12.3 kW PO ntour losses / ATV  Cions Incl BDTV BDTV BDTV USERRECO CITY 12.3 kW PO ntour	1:  3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV  OPULATION 149137	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0  Dove Scenario  LIC LIC LIC APP  1431  AREA (sq km) 22335.8	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain	e proposal d station CITY 12.3 kW PO ntour losses / ATV  Cions Incl BDTV BDTV BDTV USERRECO CITY 12.3 kW PO ntour	BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV  OPULATION 149137 130760	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0  Dove Scenario  LIC LIC LIC APP  1431  AREA (sq km) 22335.8 20261.3	LIC
Result key: 2 Scenario 2 Affected Before Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Cornot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Stat  7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3  After Analysis  Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP  within Noise Limited Corn	d station  CITY 12.3 kW PO  ntour losses  ATV  Sions Inc.  BDTV BDTV BDTV USERRECO  CITY 12.3 kW PO  ntour losses	1:  3  BDTV  OPULATION 149137 130760 0 113212 113212 113212 luded in ak 0998 1020 1043 ORD02  BDTV  OPULATION 149137	1431  AREA (sq km) 22335.8 20261.3 0.0 16873.0 16873.0 16873.0  Dove Scenario  LIC LIC LIC APP  1431  AREA (sq km) 22335.8	LIC

lost to ATV IX only lost to all IX		113212 113212		873.0 873.0	
Potential Interfering Stat	ions Incl	uded in a	bove S	Scenario	2
7A NE BASSETT 7A NE SCOTTSBLUFF 7A SD RAPID CITY-3	USERRECO: USERRECO:	RD02 RD01		LIC LIC LIC APP APP to BDTV to BDTV	1431 1431
Result key: 3 Scenario 3 Affected Before Analysis	station	3			
Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP		BDTV		1431	LIC
within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	PO tour losses ATV	130760 0	22 20	2335.8	
Potential Interfering Stat	ions Incl	uded in a	bove S	Scenario	3
7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF	BDTV BDTV BDTV	1020		LIC LIC	
After Analysis					
Results for: 7A SD RAPID C HAAT 204.0 m, ATV ERP within Noise Limited Com- not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	12.3 kW PO tour losses	PULATION 149137	AREA 22 20	235 8	LIC
Potential Interfering Stat	ions Incl	uded in a	bove S	Scenario	3
7A ND DICKINSON 7A NE BASSETT 7A NE SCOTTSBLUFF 8A SD MARTIN	BDTV BDTV BDTV USERRECO			LIC LIC LIC APP	1 4 2 1
*Percent Service lost with *Percent Service lost with				to BDTV to BDTV	1431 1431
Pogult kov:					

Result key: 4
Scenario 4 Affected station 3
Before Analysis

HAAT 204.0 m, ATV ERF	CITY 12.3 k	BDTV	1431	LIC
HAAI 204.0 III, AIV ERF		POPULATION	AREA (sq km)	
within Noise Limited C		149137	22335.8	
not affected by terrai		130760	20261.3	
lost to NTSC IX	.II losses	130760	0.0	
	brr 7077	113212	16873.0	
lost to additional IX	DY AIV			
lost to ATV IX only lost to all IX		113212 113212	16873.0 16873.0	
TOSC TO ALL IX		113212	100/3.0	
Potential Interfering St	ations Ind	cluded in ab	oove Scenario	4
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	USERRE	CORD04	APP	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
7A SD RAPID CITY-3	USERRE	CORD02	APP	
After Analysis				
Results for: 7A SD RAPID	CITY	BDTV	1431	LIC
HAAT 204.0 m, ATV ERF			1101	11.0
		POPULATION	AREA (sq km)	
within Noise Limited C	Contour	149137	22335.8	
not affected by terrai	n 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 St	ations Ind	cluded in ab	oove Scenario	4
7A ND DICKINSON	BDTV	0998	LIC	
7A ND DICKINSON 7A NE BASSETT	USERRE(		APP	
/ A NW SCOUTTS BLITTED	RDTW	1043	T.TC	
7A NE SCOTTSBLUFF 7A SD RAPID CITY-3	BDTV		LIC ADD	
7A SD RAPID CITY-3	USERRE	CORD02	APP	
7A SD RAPID CITY-3 8A SD MARTIN	USERRE(	CORD02 CORD01	APP APP	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi	USERREG USERREG thout proj	CORD02 CORD01 posal:	APP APP 0.0 to BDTV	1431 1431
7A SD RAPID CITY-3 8A SD MARTIN	USERREG USERREG thout proj	CORD02 CORD01 posal:	APP APP	1431 1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5	USERREG USERREG thout proj	CORD02 CORD01 posal:	APP APP 0.0 to BDTV	_
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5	USERREG USERREG thout proj	CORD02 CORD01 posal:	APP APP 0.0 to BDTV	_
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect	USERREG USERREG thout proposa th proposa	CORD02 CORD01 posal:	APP APP 0.0 to BDTV 0.0 to BDTV	_
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis	USERREGETHOUT Proposed the proposed station CITY	CORDO 2 CORDO 1 posal: al:  1 3	APP APP 0.0 to BDTV 0.0 to BDTV	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID	USERREGETHOUT Proposed the proposed station of CITY 12.3 kg	CORDO 2 CORDO 1 posal: al:  1 3	APP APP 0.0 to BDTV 0.0 to BDTV	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID	USERREGATION USERREGATION CITY 12.3 kg	CORDO 2 CORDO 1 posal: al:  BDTV	APP APP 0.0 to BDTV 0.0 to BDTV	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF	USERREG USERREG thout propose th propose ted station O CITY D 12.3 kg	CORDO 2 CORDO 1 cosal: al: al: BDTV	APP APP 0.0 to BDTV 0.0 to BDTV  1431  AREA (sq km)	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF	USERREG USERREG thout propose th propose ted station O CITY D 12.3 kg	CORDO 2 CORDO 1 posal: al:  BDTV POPULATION 149137	APP APP 0.0 to BDTV 0.0 to BDTV  1431  AREA (sq km) 22335.8	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX	USERREG USERREG thout propose th propose ed station O CITY O 12.3 kt Contour In losses	CORDO 2 CORDO 1 posal: al:  BDTV POPULATION 149137 130760	APP APP 0.0 to BDTV 0.0 to BDTV 1431 AREA (sq km) 22335.8 20261.3 0.0	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX lost to additional IX	USERREG USERREG thout propose th propose ed station O CITY O 12.3 kt Contour In losses	CORDO 2 CORDO 1 COSAL:  DO SAL:  DO SAL	APP APP 0.0 to BDTV 0.0 to BDTV 1431 AREA (sq km) 22335.8 20261.3 0.0 937.2	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi  Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX	USERREG USERREG thout propose th propose ed station O CITY O 12.3 kt Contour In losses	CORDO 2 CORDO 1 COSAL:  DO SAL:  DO SAL	APP APP 0.0 to BDTV 0.0 to BDTV 1431 AREA (sq km) 22335.8 20261.3 0.0	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX lost to additional IX lost to ATV IX only	USERREGUS	CORDO 2 CORDO 1 POSAl: al: A 3 BDTV W POPULATION 149137 130760 0 1364 1364 1364	APP APP 0.0 to BDTV 0.0 to BDTV 1431 AREA (sq km) 22335.8 20261.3 0.0 937.2 937.2 937.2	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX lost to additional IX lost to ATV IX only lost to all IX  Potential Interfering St	USERREGUS	CORDO 2 CORDO 1 CORDO 1 COSA 1:  D	APP APP 0.0 to BDTV 0.0 to BDTV  1431  AREA (sq km) 22335.8 20261.3 0.0 937.2 937.2 937.2 937.2 bove Scenario	1431
7A SD RAPID CITY-3 8A SD MARTIN *Percent Service lost wi *Percent Service lost wi Result key: 5 Scenario 5 Affect Before Analysis  Results for: 7A SD RAPID HAAT 204.0 m, ATV ERF within Noise Limited C not affected by terrai lost to NTSC IX lost to additional IX lost to ATV IX only lost to all IX	USERREGUS	CORDO 2 CORDO 1 POSA1: al: al: al: BDTV V POPULATION 149137 130760 0 1364 1364 1364 1364 cluded in ak	APP APP 0.0 to BDTV 0.0 to BDTV 1431 AREA (sq km) 22335.8 20261.3 0.0 937.2 937.2 937.2	1431

## After Analysis

Results for: 7A SD RAPID CITY HAAT 204.0 m, ATV ERP 12.3 kW	BDTV	1431	LIC
•	PULATION	AREA (sq km)	
within Noise Limited Contour	149137	_	
not affected by terrain losses	130760		
-			
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 Incl	uded in al	oove Scenario	5
7A ND DICKINSON BDTV	0998	LIC	
7A NE BASSETT USERRECO	RD04	APP	
7A NE SCOTTSBLUFF BDTV	1043	LIC	
8A SD MARTIN USERRECO	RD01	APP	
*Percent Service lost without propo	sal:	0.0 to BDTV	1431
*Percent Service lost with proposal		0.0 to BDTV	1431

## 

### Analysis of Interference to Affected Station 4

Analysis of current record

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

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	n Ref.
07	KCCO-TV	ALEXANDRIA MN	222.2	LIC	BDTV	-0814
07	KTTW	SIOUX FALLS SD	101.5	LIC	BDTV	-1436
8 0	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	USERRECORI	0-01
8 0	KESD-D.C	BROOKINGS-3 SD	0.0	APP	USERRECORI	0-03

Total scenarios = 3

Result key: 6

Scenario 1 Affected station

Before Analysis

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

0.0 1035.9

lost to ATV IX only lost to all IX		5276 5276	1035.9 1035.9	
	bione Too			1
Potential Interfering Sta	cions inc	cluded in ac	ove Scenario	1
	BDTV BDTV		LIC LIC	
After Analysis				
Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP			1419	LIC
within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	ntour losses	133152 128307 0	1040.0	
Potential Interfering Sta	tions Inc	cluded in ab	ove Scenario	1
7A SD SIOUX FALLS 9A SD ABERDEEN 8A SD MARTIN *Percent Service lost with	BDTV BDTV USERREC	1417 CORD01	LIC LIC APP	1419
*Percent Service lost with			0.0 to BDTV	
Result key: 7				
Scenario 2 Affected Before Analysis	d station	n 4		
	NGS	BDTV	1419	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP	NGS 9.2 kW F	BDTV V POPULATION	AREA (sq km)	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Con	NGS 9.2 kW F ntour	BDTV V POPULATION 133152	AREA (sq km)	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Connot affected by terrain lost to NTSC IX	NGS 9.2 kW F ntour losses	BDTV POPULATION 133152 128307 0	AREA (sq km) 21646.1 20549.7 0.0	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by	NGS 9.2 kW F ntour losses	BDTV N POPULATION 133152 128307 0 123931	AREA (sq km) 21646.1 20549.7 0.0 19953.1	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Connot affected by terrain lost to NTSC IX	NGS 9.2 kW F ntour losses	BDTV N POPULATION 133152 128307 0 123931	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1	LIC
Before Analysis  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only	NGS 9.2 kW F ntour losses y ATV	BDTV V POPULATION 133152 128307 0 123931 123931 123931	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1	LIC
Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	NGS 9.2 kW 9.2 kW r ntour losses y ATV tions Inc	BDTV V POPULATION 133152 128307 0 123931 123931 123931 cluded in ab	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1	
Results for: 8A SD BROOKIN HAAT 230.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Star  7A SD SIOUX FALLS 9A SD ABERDEEN	NGS 9.2 kW P ntour losses y ATV tions Inc BDTV BDTV	BDTV V POPULATION 133152 128307 0 123931 123931 123931 cluded in ab	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1 19953.1 cove Scenario	
Results for: 8A SD BROOKINGS-3  Results for: 8A SD BROOKING HAAT 230.0 m, ATV ERP  within Noise Limited Common affected by terrain lost to NTSC IX lost to ATV IX only lost to ATV IX only lost to all IX  Potential Interfering State 7A SD SIOUX FALLS 9A SD ABERDEEN 8A SD BROOKINGS-3	NGS 9.2 kW F ntour losses y ATV tions Inc BDTV BDTV USERREC	BDTV  POPULATION	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1 19953.1 cove Scenario LIC LIC APP	
Results for: 8A SD BROOKIN HAAT 230.0 m, ATV ERP  within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX  Potential Interfering Sta  7A SD SIOUX FALLS 9A SD ABERDEEN 8A SD BROOKINGS-3  After Analysis  Results for: 8A SD BROOKIN	NGS 9.2 kW FINTOUT losses  y ATV  tions Inc BDTV BDTV USERREC	BDTV N POPULATION 133152 128307 0 123931 123931 123931 cluded in ab 1436 1417 CORD03  BDTV N POPULATION 133152	AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1 19953.1 cove Scenario  LIC LIC APP  1419  AREA (sq km) 21646.1 20549.7 0.0 19953.1 19953.1	2

Potential Interfering Stat	ions Inclu	ıded in a	bove Scenario	2
8A SD BROOKINGS-3 8A SD MARTIN	BDTV BDTV USERRECOF USERRECOF	1417 RD03 RD01	LIC LIC APP APP	
*Percent Service lost with *Percent Service lost with	out propos proposal:	sal:	0.0 to BDTV 0.0 to BDTV	1419 1419
Result key: 8 Scenario 3 Affected Before Analysis	station	4		
Results for: 8A SD BROOKIN HAAT 230.0 m, ATV ERP		BDTV	1419	LIC
within Noise Limited Con not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	POF tour losses	133152	AREA (sq km) 21646.1 20549.7 0.0 1035.9 1035.9 1035.9	
Potential Interfering Stat	ions Inclu	ided in a	bove Scenario	3
	BDTV BDTV	1436 1417	LIC LIC	
After Analysis				
Results for: 8A SD BROOKIN HAAT 230.0 m, ATV ERP	9.2 kW		1419	LIC
within Noise Limited Con		PULATION 133152	AREA (sq km) 21646.1	
not affected by terrain				
lost to NTSC IX		0	0.0	
lost to additional IX by	ATV	5283 5283	1040.0	
lost to ATV IX only lost to all IX		5283	1040.0 1040.0	
Potential Interfering Stat	ions Inclu	ided in a	bove Scenario	3
7A SD SIOUX FALLS	BDTV	1436	LIC	
9A SD ABERDEEN	BDTV	1417	LIC	
8A SD MARTIN	USERRECOR	RD01	APP	
*Percent Service lost with			0.0 to BDTV	1419
*Percent Service lost with	proposal:		0.0 to BDTV	1419
***************************************			#######################################	+######################################

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	Call	City/State	Dist(km)	Status	Applicat	ion Ref.
No.						
07	KMGH-TV	DENVER CO	174.1	LIC	BDTV	-0237
07	KDUH-TV	SCOTTSBLUFF NE	206.5	LIC	BDTV	-1043
8 0	KTSC	PUEBLO CO	286.9	LIC	BDTV	-0260
80	KCWC-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
80	KZSD-D	MARTIN SD	398.6	APP	USERRECO	RD-01
Proposal causes no interference						

Analysis of Interference to Affected Station 6

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	on Ref.
No.						
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	USERRECORI	0-01
07	KMNE-D.C	BASSETT NE	360.8	APP	USERRECORI	0-04

Total scenarios = 2

Result key: 9
Scenario 1 Affected station

Before Analysis

Results for: 7A SD RAPID CITY-3 HAAT 204.0 m, ATV ERP 12.3 l	USERR kW	APP	
	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 In	ncluded in ab	oove 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

Results for: 7A SD RAPID			RECORD02	APP
HAAT 204.0 m, ATV ERP			AREA (sq km)	
within Noise Limited Co	ontour	153322		
not affected by terrain	n losses	132330	20658.7	
lost to NTSC IX		0	0.0	
lost to additional IX }	oy ATV			
lost to ATV IX only	_		17102.1	
lost to all IX			17102.1	
Potential Interfering Sta	ations Inc	cluded in a	oove Scenario	1
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	BDTV	1020	LIC	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
7A SD RAPID CITY			-	
8A SD MARTIN *Percent Service lost wit *Percent Service lost wit	USERREC	CORD01	APP	
*Percent Service lost wit	thout prop	oosal:	0.0 to USERREC	CORD02
*Percent Service lost wit	th proposa	al:	0.0 to USERREC	CORD02
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Result key: 10 Scenario 2 Affecte	ed statior	n 6		
Before Analysis				
Results for: 7A SD RAPID HAAT 204.0 m, ATV ERP			RECORD02	APP
HAAT ZOT.O III, ATV EIKI			AREA (sq km)	
within Noise Limited Co				
not affected by terrain	n losses	132330	20658.7	
lost to NTSC IX	102202	0	0.0	
lost to additional IX b	oy ATV			
lost to ATV IX only	-2 :	114953	17102.1	
lost to all IX		114953	17102.1	
Potential Interfering Sta	ations Inc	cluded in a	oove Scenario	2
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	USERREC	CORD04	APP	
7A NE SCOTTSBLUFF	BDTV	1043	LIC	
7A SD RAPID CITY	BDTV	1431	LIC	
After Analysis				
Results for: 7A SD RAPID HAAT 204.0 m, ATV ERP			RECORD02	APP
		POPULATION	AREA (sq km)	
within Noise Limited Co		153322	22777.4	
not affected by terrain			20658.7	
lost to NTSC IX		0	0.0	
lost to additional IX h	oy ATV	114953	17102.1	
lost to ATV IX only	-	114953	17102.1	
lost to all IX		114953	17102.1	
Potential Interfering Sta	ations Inc	cluded in a	oove Scenario	2
7A ND DICKINSON	BDTV	0998	LIC	
7A NE BASSETT	USERREC		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

Analysis of Interference to Affected Station 7

Analysis of current record

Channel Call City/State Application Ref. No. KESD-D.C BROOKINGS-3 SD USERRECORD-03 0.8

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Applica	ation Ref.
No.						
07	KCCO-TV	ALEXANDRIA MN	222.2	LIC	BDTV	-0814
07	KTTW	SIOUX FALLS SD	101.5	LIC	BDTV	-1436
80	KCCI	DES MOINES IA	405.8	LIC	BDTV	-0470
80	WDAZ-TV	DEVILS LAKE ND	426.7	LIC	BDTV	-0996
80	KLKN	LINCOLN NE	384.0	LIC	BDTV	-1028
80	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	USERRE	CORD-01

Total scenarios = 1

Result key: 11
Scenario 1 Affected station

Before Analysis

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

	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

7 A	SD	SIOUX FALLS	BDTV	1436	T <sub>1</sub> TC
		LINCOLN	BDTV	1028	LIC
8A	SD	BROOKINGS	BDTV	1419	LIC
9A	SD	ABERDEEN	BDTV	1417	LIC

After Analysis

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

POPULATION AREA (sq km)

within Noise Limited Contour	188650	2	8513.6
not affected by terrain losses	181544	2	6948.7
lost to NTSC IX	0		0.0
lost to additional IX by ATV	175515	2	6105.8
lost to ATV IX only	175515	2	6105.8
lost to all IX	175515	2	6105.8
Potential Interfering Stations In	cluded in a	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 USERRE	CORD01		APP
*Percent Service lost without proj	posal:	0.0	to USERRECORD03
*Percent Service lost with proposa	al:	0.0	to USERRECORD03

### 

### 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	Applicati	on 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		
80	KZSD-D	MARTIN SD	208.2	APP	USERRECOR	D-01		
07	KEVN-D.C	RAPID CITY-3 SD	360.8	APP	USERRECOR	D-02		
Prop	Proposal causes no interference							

### 

### 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	Call	City/State	Dist(km)	Status	Applic	ation Ref.
No.						
07	KMGH-TV	DENVER CO	176.5	LIC	BDTV	-0237
07	KDUH-TV	SCOTTSBLUFF NE	206.6	LIC	BDTV	-1043
80	KTSC	PUEBLO CO	289.5	LIC	BDTV	-0260
80	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

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	Call	City/State	Dist(km)	Status	Applica	tion Ref.
No.						
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
80	KESD-TV	BROOKINGS SD	360.8	LIC	BDTV	-1419
80	KWYP-TV	LARAMIE WY	398.6	LIC	BDTV	-1806
07	KEVN-D.C	RAPID CITY-3 SD	153.3	APP	USERREC	ORD-02
80	KESD-D.C	BROOKINGS-3 SD	360.8	APP	USERREC	ORD-03
07	KMNE-D.C	BASSETT NE	208.2	APP	USERREC	ORD-04
08	KWYP-D.C	LARAMIE WY	397.8	APP	USERREC	ORD-05

Total scenarios = 4

Result key: 12 Scenario 1 Affected station 10

Before Analysis

USERRECORD01 Results for: 8A SD MARTIN 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 State	ions Included	in above	Scenario	2
7A SD RAPID CITY-3 8A SD BROOKINGS-3				
Result key: 14 Scenario 3 Affected Before Analysis	station	10		
Results for: 8A SD MARTIN HAAT 266.0 m, ATV ERP		USERRECO	RD01	APP
within Noise Limited Connot affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only lost to all IX	logges 315	084 566	32339.1	
Potential Interfering State	ions Included	in above	Scenario	3
7A SD RAPID CITY-3			APP	
_	USERRECORD02			
7A SD RAPID CITY-3  Result key: 15 Scenario 4 Affected	USERRECORD02 station 44.7 kW	10 USERRECO	APP RD01	APP
7A SD RAPID CITY-3  Result key: 15 Scenario 4 Affected Before Analysis  Results for: 8A SD MARTIN	USERRECORD02 station  44.7 kW POPULATE tour 370 losses 315	10 USERRECO FION AR 084 566 0	APP  RD01  EA (sq km) 32339.1 30690.0	АРР
7A SD RAPID CITY-3  Result key: 15 Scenario 4 Affected Before Analysis  Results for: 8A SD MARTIN HAAT 266.0 m, ATV ERP  within Noise Limited Cont not affected by terrain lost to NTSC IX lost to additional IX by lost to ATV IX only	USERRECORD02 station  44.7 kW POPULAT tour 370 losses 315	10 USERRECO FION AR 084 566 0 15 15	APP  RD01  EA (sq km) 32339.1 30690.0 0.0 76.1 76.1 76.1	

FINISHED FINISHED FINISHED FINISHED FINISHED