

May 27, 2003

Engineering Statement:

We have been asked to prepare a statement regarding the OET-69 interference analysis our company prepared for station KCSD-TV, channel 24, Sioux Falls, South Dakota (BMPEDT20010214ACK.) The analysis was prepared using the Commission's own OET-69 computer program. The software for this program was implemented on the same model Sparc workstation used by the Commission for its own processing. Therefore, the interference levels we predict should be identical to those predicted by the Commission.

The attached study shows that the instant proposal to operate with an ERP of 29 kW on channel 24, at coordinates: N. Lat. 43 34 28, W. Lng. 96 39 19, reduces the interference that the currently authorized facility causes to KSMN, Worthington, MN from 4.4% and 4.5% to 2.5% and 2.6%, depending on the scenario. Interference to KLKE, Albion, NE is reduced to zero from 0.1%.

The computer program predicts an increase of interference to the applicant's analog facility; however the applicant agrees to receive this interference. Furthermore, the applicant plans to submit an application, simultaneously with the instant proposal, to move the KCSD-TV analog facility to the same coordinates as is proposed for KCSD-DT. The Commission has issued numerous digital television channels on the first adjacent channels of co-located analog facilities. Considering that the applicant's digital and analog facilities will be moved to the same tower, no interference is anticipated.

Consequently, the instant proposal complies with the Commission's Rules and Regulations with regard to interference caused and received.

Doug Vernier

Declaration:

I, Douglas L. Vernier, declare that I have received training as an engineer from the University of Michigan School of Engineering. That, I have received degrees from the University in the field of Broadcast Telecommunications. That, I have been active in broadcast consulting for over 25 years;

That, I have held a Federal Communications Commission First Class Radiotelephone License continually since 1964. In 1985, this license was reissued by the Commission as a lifetime General Radiotelephone license no. PG-16-16464;

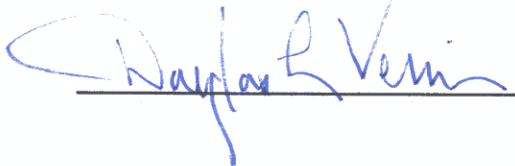
That, I am certified as a Professional Broadcast Engineer (#50258) by the Society of Broadcast Engineers, Indianapolis, Indiana. (Re-certified 10/2000.)

That, my qualifications are a matter of record with the Federal Communications Commission;

That, I have been retained the South Dakota Public Broadcasting, to prepare the engineering showings appended hereto:

That, I have prepared these broadcast engineering showings, the technical information contained in same and the facts stated within are true of my knowledge;

That, under penalty of perjury, I declare that the foregoing is correct.

 Douglas L. Vernier

Executed on May 27, 2003

Subscribed and sworn before me this May 27, 2003




Katherine A. Mickley
Notary Public in and for the State of Iowa

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-12-2003 Time: 22:06:58

Record Selected for Analysis

KCSD-D.C CUR -PROPOSED Sioux Falls SD US
 Channel 24 ERP 29.0 kW HAAT 00048 m RCAMSL 00512 m
 Latitude 043-34-28 Longitude 0096-39-19
 Status CPM Zone Border
 Dir Antenna Make CDB Model 000000000000001 Beam tilt N Ref Azimuth 0.0
 Last update 00000000 Cutoff date 00000000 Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	29.000	60.1	50.9
45.0	29.000	85.4	54.8
90.0	29.000	96.5	56.3
135.0	29.000	97.5	56.4
180.0	29.000	76.8	53.6
225.0	29.000	64.9	51.7
270.0	29.000	67.9	52.2
315.0	29.000	57.9	50.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KCSD-D.C 24 Sioux Falls SD CUR PROPOSED

and station

SHORT TO: KSMN 20 WORTHINGTON MN BLET 19970224KH
 043-53-52 0095-56-50
 Req. separation => 24.1 <= 96.6 Actual separation 67.4 Short 29.2(43.3) km

SHORT TO: KLKE 24 ALBION NE BLCT 19960405KG
 041-56-26 0098-16-56
 Req. separation 244.6 Actual separation 225.1 Short 19.5 km

SHORT TO: KCSD-DT 24 SIOUX FALLS SD BMPEDT 20010214ACK
 043-31-50 0096-45-26
 Req. separation 223.7 Actual separation 9.6 Short 214.1 km

SHORT TO: KCSD-DT 24 SIOUX FALLS SD DTVPLN DTVP0583
 43-32-07 96-44-34
 Req. separation 223.7 Actual separation 8.3 Short 215.4 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station				
Channel	Call	City/State	ARN	
24	KCSD-D.C	Sioux Falls SD	CUR	PROPOSED

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KTTW	SIOUX FALLS SD	12.8	LIC	BLCT	-19920703KE
17	KTTW	SIOUX FALLS SD	8.4	CP	BPCT	-19960724KH
20	KSMN	WORTHINGTON MN	67.3	LIC	BLET	-19970224KH
23	KLKE	ALBION NE	225.0	CP MOD	BMPCDT	-20000428ABC
23	KLKE-DT	ALBION NE	225.0	PLN	DTVPLN	-DTVP0533
23	KCSD-TV	SIOUX FALLS SD	8.3	LIC	BLET	-19950619KE
24	KYIN	MASON CITY IA	309.1	LIC	BLET	-19860923KJ
24	KCCO-DT	ALEXANDRIA MN	263.4	PLN	DTVPLN	-DTVP0572

[illegible]

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KMEG	SIOUX CITY IA	109.4	LIC	BLCT	-19991227AAR
15	KSMN-DT	WORTHINGTON MN	79.6	PLN	DTVPLN	-DTVP0173
15	KSMN-DT	WORTHINGTON MN	79.6	CP	BPEDT	-20000501AII
16	KXNE-DT	NORFOLK NE	145.3	PLN	DTVPLN	-DTVP0231
16	KXNE-DT	NORFOLK NE	145.3	CP	BPEDT	-20000414AAN
17	KDSM-TV	DES MOINES IA	317.5	CP MOD	BMPCT	-20010323ACI
17	KTCI-TV	ST. PAUL MN	337.9	LIC	BLET	-19910809KE
17	KTVG	GRAND ISLAND NE	341.1	LIC	BLCT	-19990126KG
17	KYNE-DT	OMAHA NE	255.6	CP MOD	BMPEDT	-20020606ABC

17	KYNE-DT	OMAHA NE	255.6	PLN	DTVPLN	-DTVP0270
17	KDSD-DT	ABERDEEN SD	234.8	CP	BPEDT	-20000217AAG
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	LIC	BLET	-19970224KH
24	KCSD-DT	SIOUX FALLS SD	5.4	PLN	DTVPLN	-DTVP0583
32	KELO-DT	SIOUX FALLS SD	18.5	PLN	DTVPLN	-DTVP0881
24	KCSD-D.C	Sioux Falls SD	12.8	CPM	CUR	-PROPOSED

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.
17	KTTW	SIOUX FALLS SD	BPCT	-19960724KH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KMEG	SIOUX CITY IA	107.8	LIC	BLCT	-19991227AAR
15	KSMN-DT	WORTHINGTON MN	66.0	PLN	DTVPLN	-DTVP0173
15	KSMN-DT	WORTHINGTON MN	66.0	CP	BPEDT	-20000501AII
16	KXNE-DT	NORFOLK NE	153.5	PLN	DTVPLN	-DTVP0231
16	KXNE-DT	NORFOLK NE	153.5	CP	BPEDT	-20000414AAN
17	KDSM-TV	DES MOINES IA	307.8	CP MOD	BMPCT	-20010323ACI
17	KTCI-TV	ST. PAUL MN	323.8	LIC	BLET	-19910809KE
17	KTVG	GRAND ISLAND NE	350.9	LIC	BLCT	-19990126KG
17	KYNE-DT	OMAHA NE	255.9	CP MOD	BMPEDT	-20020606ABC
17	KYNE-DT	OMAHA NE	255.9	PLN	DTVPLN	-DTVP0270
17	KDSD-DT	ABERDEEN SD	236.3	CP	BPEDT	-20000217AAG
17	KDSD-DT	ABERDEEN SD	236.4	PLN	DTVPLN	-DTVP0281
18	KESD-DT	BROOKINGS SD	104.4	PLN	DTVPLN	-DTVP0324
20	KSMN	WORTHINGTON MN	66.0	LIC	BLET	-19970224KH
24	KCSD-DT	SIOUX FALLS SD	13.1	PLN	DTVPLN	-DTVP0583
32	KELO-DT	SIOUX FALLS SD	3.8	PLN	DTVPLN	-DTVP0881
24	KCSD-D.C	Sioux Falls SD	8.4	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	KSMN	WORTHINGTON MN	DTVPLN	-NPLN1084

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KTTW	SIOUX FALLS SD	79.6	PLN	DTVPLN	-NPLN1002
18	KESD-DT	BROOKINGS SD	113.2	PLN	DTVPLN	-DTVP0324

20	KSMQ-DT	AUSTIN MN	237.6	PLN	DTVPLN	-DTVP0402
20	KCCW-DT	WALKER MN	356.9	PLN	DTVPLN	-DTVP0403
20	KJRE-DT	ELLENDALE ND	351.6	PLN	DTVPLN	-DTVP0409
20	KETV-DT	OMAHA NE	287.8	PLN	DTVPLN	-DTVP0410
21	KTIN	FORT DODGE IA	172.7	PLN	DTVPLN	-NPLN1105
23	KCSDTV	SIOUX FALLS SD	75.6	PLN	DTVPLN	-NPLN1191
24	KCSD-DT	SIOUX FALLS SD	75.6	PLN	DTVPLN	-DTVP0583
27	KSINTV	SIOUX CITY IA	156.4	PLN	DTVPLN	-NPLN1299
27	KRWF-DT	REDWOOD FALLS MN	74.6	PLN	DTVPLN	-DTVP0674
34	KUSD-DT	VERMILLION SD	116.0	PLN	DTVPLN	-DTVP0955

Results for: 20N MN WORTHINGTON		DTVPLN	NPLN1084	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour	145205	17914.8		
not affected by terrain losses	145159	17894.7		
lost to NTSC IX	47	4.0		
lost to additional IX by ATV	2568	112.4		
lost to all IX	2615	116.4		

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KSMN	WORTHINGTON MN	BLET	-19970224KH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KTW	SIOUX FALLS SD	66.0	CP	BPCT	-19960724KH
18	KESD-DT	BROOKINGS SD	113.2	PLN	DTVPLN	-DTVP0324
20	KSMQ-DT	AUSTIN MN	237.6	PLN	DTVPLN	-DTVP0402
20	KSMQ-DT	AUSTIN MN	276.0	CP	BPEDT	-20000501AGW
20	KCCW-DT	WALKER MN	356.9	PLN	DTVPLN	-DTVP0403
20	KCCW-DT	WALKER MN	357.0	CP	BPCDT	-19991025ACM
20	KJRE-DT	ELLENDALE ND	351.6	CP	BPEDT	-20000419AAZ
20	KJRE-DT	ELLENDALE ND	351.6	PLN	DTVPLN	-DTVP0409
20	KETV-DT	OMAHA NE	287.8	PLN	DTVPLN	-DTVP0410
20	KETV-DT	OMAHA NE	287.8	CP MOD	BMPCDT	-20030121ACZ
21	KTIN	FORT DODGE IA	172.7	LIC	BLET	-19860923KN
23	KCSD-TV	SIOUX FALLS SD	75.6	LIC	BLET	-19950619KE
24	KCSD-DT	SIOUX FALLS SD	75.6	PLN	DTVPLN	-DTVP0583
27	KSIN-TV	SIOUX CITY IA	156.4	LIC	BLET	-19860923KO
27	KRWF	REDWOOD FALLS MN	74.6	CP MOD	BMPCDT	-20010518AAO
27	KRWF-DT	REDWOOD FALLS MN	74.6	PLN	DTVPLN	-DTVP0674
34	KUSD-DT	VERMILLION SD	116.0	PLN	DTVPLN	-DTVP0955
24	KCSD-D.C	Sioux Falls SD	67.3	CPM	CUR	-PROPOSED

Total scenarios = 8

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 20N MN WORTHINGTON		BLET	19970224KH	LIC
		POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2		
not affected by terrain losses	180113	17914.0		
lost to NTSC IX	5176	116.6		

lost to additional IX by ATV	8177	148.8
lost to all IX	13353	265.5

Potential Interfering Stations Included in above Scenario 1

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	DTVPLN	DTVP0403	PLN
20A NE OMAHA	DTVPLN	DTVP0410	PLN
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	3660	185.0	
lost to all IX	8836	301.7	

Potential Interfering Stations Included in above Scenario 1

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	DTVPLN	DTVP0403	PLN
20A NE OMAHA	DTVPLN	DTVP0410	PLN
24A SD Sioux Falls	CUR	PROPOSED	CPM
*Percent new DTV interference without proposal:	4.5	BLET	19970224KH
*Percent new DTV interference with proposal:	2.0	BLET	19970224KH

Result key: 2
Scenario 2 Affected station 3
Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	8397	201.1	
lost to all IX	13573	317.7	

Potential Interfering Stations Included in above Scenario 2

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	DTVPLN	DTVP0403	PLN
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	

not affected by terrain losses	180113	17914.0
lost to NTSC IX	5176	116.6
lost to additional IX by ATV	3824	233.3
lost to all IX	9000	349.9

Potential Interferring Stations Included in above Scenario 2

17N SD SIOUX FALLS	BPCT	19960724KH	CP		
20A MN AUSTIN	DTVPLN	DTVP0402	PLN		
20A MN WALKER	DTVPLN	DTVP0403	PLN		
20A NE OMAHA	BMPCDT	20030121ACZ	CP		
24A SD Sioux Falls	CUR	PROPOSED	CPM		
*Percent new DTV interference without proposal:				4.7	BLET 19970224KH
*Percent new DTV interference with proposal:				2.1	BLET 19970224KH

Result key: 3
Scenario 3 Affected station 3
Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	8177	148.8	
lost to all IX	13353	265.5	

Potential Interferring Stations Included in above Scenario 3

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	DTVPLN	DTVP0410	PLN
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	3660	185.0	
lost to all IX	8836	301.7	

Potential Interferring Stations Included in above Scenario 3

17N SD SIOUX FALLS	BPCT	19960724KH	CP		
20A MN AUSTIN	DTVPLN	DTVP0402	PLN		
20A MN WALKER	BPCDT	19991025ACM	CP		
20A NE OMAHA	DTVPLN	DTVP0410	PLN		
24A SD Sioux Falls	CUR	PROPOSED	CPM		
*Percent new DTV interference without proposal:				4.5	BLET 19970224KH
*Percent new DTV interference with proposal:				2.0	BLET 19970224KH

Result key: 4
 Scenario 4 Affected station 3
 Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	8397	201.1	
lost to all IX	13573	317.7	

Potential Interferring Stations Included in above Scenario 4

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	3824	233.3	
lost to all IX	9000	349.9	

Potential Interferring Stations Included in above Scenario 4

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	DTVPLN	DTVP0402	PLN
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD Sioux Falls	CUR	PROPOSED	CPM
*Percent new DTV interference without proposal:	4.7	BLET	19970224KH
*Percent new DTV interference with proposal:	2.1	BLET	19970224KH

Result key: 5
 Scenario 5 Affected station 3
 Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	9208	422.3	
lost to all IX	14384	538.9	

Potential Interferring Stations Included in above Scenario 5

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	BPEDT	20000501AGW	CP

20A MN WALKER	DTVPLN	DTVP0403	PLN
20A NE OMAHA	DTVPLN	DTVP0410	PLN
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	4691	458.5	
lost to all IX	9867	575.1	

Potential Interfering Stations Included in above Scenario 5

17N SD SIOUX FALLS	BPCT	19960724KH	CP	
20A MN AUSTIN	BPEDT	20000501AGW	CP	
20A MN WALKER	DTVPLN	DTVP0403	PLN	
20A NE OMAHA	DTVPLN	DTVP0410	PLN	
24A SD Sioux Falls	CUR	PROPOSED	CPM	
*Percent new DTV interference without proposal:		5.1	BLET	19970224KH
*Percent new DTV interference with proposal:		2.6	BLET	19970224KH

Result key: 6
 Scenario 6 Affected station 3
 Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	9428	474.6	
lost to all IX	14604	591.2	

Potential Interfering Stations Included in above Scenario 6

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	BPEDT	20000501AGW	CP
20A MN WALKER	DTVPLN	DTVP0403	PLN
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	4855	506.8	
lost to all IX	10031	623.4	

Potential Interfering Stations Included in above Scenario 6

17N SD SIOUX FALLS	BPCT	19960724KH	CP		
20A MN AUSTIN	BPEDT	20000501AGW	CP		
20A MN WALKER	DTVPLN	DTVP0403	PLN		
20A NE OMAHA	BMPCDT	20030121ACZ	CP		
24A SD Sioux Falls	CUR	PROPOSED	CPM		
*Percent new DTV interference without proposal:				5.2	BLET 19970224KH
*Percent new DTV interference with proposal:				2.7	BLET 19970224KH

Result key: 7
 Scenario 7 Affected station 3
 Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	9208	422.3	
lost to all IX	14384	538.9	

Potential Interfering Stations Included in above Scenario 7

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	BPEDT	20000501AGW	CP
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	DTVPLN	DTVP0410	PLN
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	4691	458.5	
lost to all IX	9867	575.1	

Potential Interfering Stations Included in above Scenario 7

17N SD SIOUX FALLS	BPCT	19960724KH	CP		
20A MN AUSTIN	BPEDT	20000501AGW	CP		
20A MN WALKER	BPCDT	19991025ACM	CP		
20A NE OMAHA	DTVPLN	DTVP0410	PLN		
24A SD Sioux Falls	CUR	PROPOSED	CPM		
*Percent new DTV interference without proposal:				5.1	BLET 19970224KH
*Percent new DTV interference with proposal:				2.6	BLET 19970224KH

Result key: 8
 Scenario 8 Affected station 3
 Before Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	

not affected by terrain losses	180113	17914.0
lost to NTSC IX	5176	116.6
lost to additional IX by ATV	9428	474.6
lost to all IX	14604	591.2

Potential Interferring Stations Included in above Scenario 8

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	BPEDT	20000501AGW	CP
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 20N MN WORTHINGTON	BLET	19970224KH	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	180255	17934.2	
not affected by terrain losses	180113	17914.0	
lost to NTSC IX	5176	116.6	
lost to additional IX by ATV	4855	506.8	
lost to all IX	10031	623.4	

Potential Interferring Stations Included in above Scenario 8

17N SD SIOUX FALLS	BPCT	19960724KH	CP
20A MN AUSTIN	BPEDT	20000501AGW	CP
20A MN WALKER	BPCDT	19991025ACM	CP
20A NE OMAHA	BMPCDT	20030121ACZ	CP
24A SD Sioux Falls	CUR	PROPOSED	CPM
*Percent new DTV interference without proposal:	5.2	BLET	19970224KH
*Percent new DTV interference with proposal:	2.7	BLET	19970224KH

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
23	KLKE-DT	ALBION NE	DTVPLN -DTVP0533

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	KNOP-DT	NORTH PLATTE NE	219.6	PLN	DTVPLN -DTVP0494
22	WOWT-DT	OMAHA NE	200.0	PLN	DTVPLN -DTVP0495
23	KTVS-DT	STERLING CO	424.5	PLN	DTVPLN -DTVP0516
23	NEW	AMES IA	407.3	PLN	DTVPLN -NPLN1171
23	KTWU-DT	TOPEKA KS	384.0	PLN	DTVPLN -DTVP0525
23	KZSD-DT	MARTIN SD	314.7	PLN	DTVPLN -DTVP0541
23	KCSDTV	SIOUX FALLS SD	217.3	PLN	DTVPLN -NPLN1191
24	KLKE	ALBION NE	0.0	PLN	DTVPLN -NPLN1218
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN -DTVP0583

Results for: 23A NE ALBION DTVPLN DTVP0533 PLN
 HAAT 378.0 m, ATV ERP 87.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	99583	23681.7
not affected by terrain losses	99422	23609.5
lost to NTSC IX	22	20.1
lost to additional IX by ATV	0	32.1
lost to ATV IX only	22	52.1
lost to all IX	22	52.1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
24	KLKE	ALBION NE	DTVPLN	-NPLN1218

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KXNE-DT	NORFOLK NE	89.2	PLN	DTVPLN	-DTVP0231
17	KTVG	GRAND ISLAND NE	136.8	PLN	DTVPLN	-NPLN0995
23	KLKE-DT	ALBION NE	0.0	PLN	DTVPLN	-DTVP0533
24	KTNE-DT	ALLIANCE NE	395.0	PLN	DTVPLN	-DTVP0576
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN	-DTVP0583
25	KOLN-DT	LINCOLN NE	156.4	PLN	DTVPLN	-DTVP0610

Results for: 24N NE ALBION DTVPLN NPLN1218 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	99583	23681.6
not affected by terrain losses	99295	23453.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	93	156.4
lost to all IX	93	156.4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KLKE	ALBION NE	BMPCDT	-20000428ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	KNOP-DT	NORTH PLATTE NE	219.6	PLN	DTVPLN	-DTVP0494
22	WOWT-DT	OMAHA NE	200.0	CP	BPCDT	-19991018AAP
22	WOWT-DT	OMAHA NE	200.0	PLN	DTVPLN	-DTVP0495
23	KTVS-DT	STERLING CO	424.5	PLN	DTVPLN	-DTVP0516
23	KPWB-TV	AMES IA	386.3	CP MOD	BMPCT	-19981020KE
23	KTWU-DT	TOPEKA KS	384.0	PLN	DTVPLN	-DTVP0525
23	KTWU-DT	TOPEKA KS	384.1	CP	BPEDT	-20000421AAL
23	KZSD-DT	MARTIN SD	314.6	CP	BPEDT	-20000217AAJ
23	KZSD-DT	MARTIN SD	314.7	PLN	DTVPLN	-DTVP0541
23	KCSD-TV	SIOUX FALLS SD	217.3	LIC	BLET	-19950619KE
24	KLKE	ALBION NE	0.0	LIC	BLCT	-19960405KG
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN	-DTVP0583
24	KCSD-D.C	Sioux Falls SD	225.0	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KLKE-DT	ALBION NE	DTVPLN	-DTVP0533

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	KNOP-DT	NORTH PLATTE NE	219.6	PLN	DTVPLN	-DTVP0494
22	WOWT-DT	OMAHA NE	200.0	CP	BPCDT	-19991018AAP
22	WOWT-DT	OMAHA NE	200.0	PLN	DTVPLN	-DTVP0495
23	KTVS-DT	STERLING CO	424.5	PLN	DTVPLN	-DTVP0516
23	KPWB-TV	AMES IA	386.3	CP MOD	BMPCT	-19981020KE
23	KTWU-DT	TOPEKA KS	384.0	PLN	DTVPLN	-DTVP0525
23	KTWU-DT	TOPEKA KS	384.1	CP	BPEDT	-20000421AAL
23	KZSD-DT	MARTIN SD	314.6	CP	BPEDT	-20000217AAJ
23	KZSD-DT	MARTIN SD	314.7	PLN	DTVPLN	-DTVP0541
23	KCSD-TV	SIOUX FALLS SD	217.3	LIC	BLET	-19950619KE
24	KLKE	ALBION NE	0.0	LIC	BLCT	-19960405KG
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN	-DTVP0583
24	KCSD-D.C	Sioux Falls SD	225.0	CPM	CUR	-PROPOSED

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.
23	KCSDTV	SIOUX FALLS SD	DTVPLN	-NPLN1191

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KSMN-DT	WORTHINGTON MN	75.6	PLN	DTVPLN	-DTVP0173
20	KSMN	WORTHINGTON MN	75.6	PLN	DTVPLN	-NPLN1084
22	KTTM-DT	HURON SD	145.9	PLN	DTVPLN	-DTVP0503
23	NEW	AMES IA	326.9	PLN	DTVPLN	-NPLN1171
23	KLGT-TV	MINNEAPOLIS MN	333.9	PLN	DTVPLN	-NPLN1178
23	KFME-DT	FARGO ND	388.2	PLN	DTVPLN	-DTVP0532
23	KLKE-DT	ALBION NE	217.3	PLN	DTVPLN	-DTVP0533
23	KZSD-DT	MARTIN SD	388.1	PLN	DTVPLN	-DTVP0541
24	KCSD-DT	SIOUX FALLS SD	0.0	PLN	DTVPLN	-DTVP0583
26	KDLT-DT	MITCHELL SD	51.8	PLN	DTVPLN	-DTVP0652
27	KSINTV	SIOUX CITY IA	118.9	PLN	DTVPLN	-NPLN1299
30	KCAU-DT	SIOUX CITY IA	113.3	PLN	DTVPLN	-DTVP0784

Results for: 23N SD SIOUX FALLS	DTVPLN	NPLN1191	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	121748	1623.0	
not affected by terrain losses	121748	1623.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	4.0	

lost to all IX 0 4.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KCSD-TV	SIOUX FALLS SD	BLET	-19950619KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KSMN-DT	WORTHINGTON MN	75.6	PLN	DTVPLN	-DTVP0173
15	KSMN-DT	WORTHINGTON MN	75.6	CP	BPEDT	-20000501AII
20	KSMN	WORTHINGTON MN	75.6	LIC	BLET	-19970224KH
22	KTTM-DT	HURON SD	145.9	CP	BPCDT	-19991029ADD
22	KTTM-DT	HURON SD	145.9	PLN	DTVPLN	-DTVP0503
23	KPWB-TV	AMES IA	318.1	CP MOD	BMPCT	-19981020KE
23	KMWB	MINNEAPOLIS MN	333.1	CP	BPCT	-19991118AAV
23	KFME-DT	FARGO ND	388.2	PLN	DTVPLN	-DTVP0532
23	KLKE	ALBION NE	217.3	CP MOD	BMPCDT	-20000428ABC
23	KLKE-DT	ALBION NE	217.3	PLN	DTVPLN	-DTVP0533
23	KZSD-DT	MARTIN SD	388.2	CP	BPEDT	-20000217AAJ
23	KZSD-DT	MARTIN SD	388.1	PLN	DTVPLN	-DTVP0541
24	KCSD-DT	SIOUX FALLS SD	0.0	PLN	DTVPLN	-DTVP0583
26	KDLV-DT	MITCHELL SD	136.6	CP	BPCDT	-19991101AIX
26	KDLT-DT	MITCHELL SD	51.8	PLN	DTVPLN	-DTVP0652
27	KSIN-TV	SIOUX CITY IA	118.9	LIC	BLET	-19860923KO
30	KCAU-DT	SIOUX CITY IA	113.6	CP MOD	BMPCDT	-20000428ABE
30	KCAU-DT	SIOUX CITY IA	113.3	PLN	DTVPLN	-DTVP0784
24	KCSD-D.C	Sioux Falls SD	8.3	CPM	CUR	-PROPOSED

Total scenarios = 1

Result key: 9
Scenario 1 Affected station 6
Before Analysis

Results for: 23N SD SIOUX FALLS	BLET	19950619KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	121748	1623.0	
not affected by terrain losses	121748	1623.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2456	271.8	
lost to all IX	2456	271.8	

Potential Interferring Stations Included in above Scenario 1

23A NE ALBION BMPCDT 20000428ABC CP

After Analysis

Results for: 23N SD SIOUX FALLS	BLET	19950619KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	121748	1623.0	
not affected by terrain losses	121748	1623.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	5359	319.8	
lost to all IX	5359	319.8	

Potential Interfering Stations Included in above Scenario 1

23A NE ALBION BMPCDT 20000428ABC CP
24A SD Sioux Falls CUR PROPOSED CPM

The following station failed the de minimis interference criteria.

24D SD Sioux Falls CUR PROPOSED
ERP 29.00 kW HAAT 48.0 m RCAMSL 512.0 m
Antenna CDB 00000000000001

Due to interference to the following station and scenario: 1

23N SD SIOUX FALLS BLET 19950619KE
ERP 13.20 kW HAAT 54.0 m RCAMSL 495.0 m
Antenna none

Percent new DTV interference without proposal: 2.0 BLET 19950619KE
Percent new DTV interference with proposal: 4.4 BLET 19950619KE

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel Call City/State Application Ref. No.
24 KYIN MASON CITY IA DTVPLN -NPLN1206

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDSMTV	DES MOINES IA	185.9	PLN	DTVPLN	-NPLN0984
17	KTCITV	ST. PAUL MN	188.8	PLN	DTVPLN	-NPLN0988
17	WLAX-DT	LA CROSSE WI	127.1	PLN	DTVPLN	-DTVP0287
20	KSMQ-DT	AUSTIN MN	36.4	PLN	DTVPLN	-DTVP0402
22	NEW	WATERLOO IA	123.1	PLN	DTVPLN	-NPLN1139
23	NEW	AMES IA	161.9	PLN	DTVPLN	-NPLN1171
23	KLGT TV	MINNEAPOLIS MN	188.8	PLN	DTVPLN	-NPLN1178
24	WQPT TV	MOLINE IL	304.2	PLN	DTVPLN	-NPLN1207
24	NEW	IRONWOOD MI	403.5	PLN	DTVPLN	-NPLN1213
24	KCCO-DT	ALEXANDRIA MN	315.2	PLN	DTVPLN	-DTVP0572
24	KCSD-DT	SIOUX FALLS SD	316.0	PLN	DTVPLN	-DTVP0583
24	WCGVTV	MILWAUKEE WI	400.4	PLN	DTVPLN	-NPLN1233
24	WHRM-DT	WAUSAU WI	303.9	PLN	DTVPLN	-DTVP0590
25	KTIN-DT	FORT DODGE IA	142.2	PLN	DTVPLN	-DTVP0600
25	WLAX	LA CROSSE WI	127.1	PLN	DTVPLN	-NPLN1261
31	WHLATV	LA CROSSE WI	127.3	PLN	DTVPLN	-NPLN1418
32	KRIN	WATERLOO IA	141.7	PLN	DTVPLN	-NPLN1428
38	KEYC-DT	MANKATO MN	141.6	PLN	DTVPLN	-DTVP1052
39	NEW	NEWTON IA	175.4	PLN	DTVPLN	-NPLN1561

Results for: 24N IA MASON CITY DTVPLN NPLN1206 PLN
POPULATION AREA (sq km)
within Noise Limited Contour 279167 19886.9
not affected by terrain losses 275494 19794.5

lost to NTSC IX	679	120.5
lost to additional IX by ATV	395	96.4
lost to all IX	1074	216.9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	KYIN	MASON CITY IA	BLET	-19860923KJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KDSM-TV	DES MOINES IA	184.7	CP MOD	BMPCT	-20010323ACI
17	KTCI-TV	ST. PAUL MN	188.8	LIC	BLET	-19910809KE
17	WLAX-DT	LA CROSSE WI	127.0	CP	BPCDT	-19991027ABS
17	WLAX-DT	LA CROSSE WI	127.1	PLN	DTVPLN	-DTVP0287
20	KSMQ-DT	AUSTIN MN	36.4	PLN	DTVPLN	-DTVP0402
20	KSMQ-DT	AUSTIN MN	38.9	CP	BPEDT	-20000501AGW
22	KWWF	WATERLOO IA	105.3	CP MOD	BMPCT	-20020917AAF
23	KPWB-TV	AMES IA	183.0	CP MOD	BMPCT	-19981020KE
23	KMWB	MINNEAPOLIS MN	189.4	CP	BPCT	-19991118AAV
24	WQPT-TV	MOLINE IL	303.7	LIC	BLET	-19980729KE
24	961001LL	IRONWOOD MI	395.5	CP	BPCT	-19961001LL
24	KCCO-DT	ALEXANDRIA MN	315.2	PLN	DTVPLN	-DTVP0572
24	KCSD-DT	SIOUX FALLS SD	316.0	PLN	DTVPLN	-DTVP0583
24	WCGV-TV	MILWAUKEE WI	400.4	CP	BPCT	-19950629KH
24	WHRM-DT	WAUSAU WI	303.9	PLN	DTVPLN	-DTVP0590
25	KTIN-DT	FORT DODGE IA	142.2	CP	BPEDT	-20000427ACH
25	KTIN-DT	FORT DODGE IA	142.2	PLN	DTVPLN	-DTVP0600
25	WLAX	LA CROSSE WI	127.0	CP MOD	BMPCT	-20000114AAA
31	WHLA-TV	LA CROSSE WI	127.3	LIC	BLET	-19920429KF
32	KRIN	WATERLOO IA	141.7	LIC	BLET	-19860923KQ
38	KEYC-DT	MANKATO MN	141.5	CP MOD	BMPCT	-20010223AAQ
38	KEYC-DT	MANKATO MN	141.6	PLN	DTVPLN	-DTVP1052
39	KFPX	NEWTON IA	175.5	LIC	BLCT	-19980903KF
24	KCSD-D.C	Sioux Falls SD	309.1	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 8

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
24	KCCO-DT	ALEXANDRIA MN	DTVPLN	-DTVP0572

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	KLGT-TV	MINNEAPOLIS MN	171.9	PLN	DTVPLN	-NPLN1178
23	KFME-DT	FARGO ND	216.1	PLN	DTVPLN	-DTVP0532
24	KYIN	MASON CITY IA	315.2	PLN	DTVPLN	-NPLN1206
24	NEW	IRONWOOD MI	395.6	PLN	DTVPLN	-NPLN1213
24	KCSD-DT	SIOUX FALLS SD	270.5	PLN	DTVPLN	-DTVP0583
25	KDLO-DT	FLORENCE SD	207.6	PLN	DTVPLN	-DTVP0618

Results for: 24A MN ALEXANDRIA DTVPLN DTVP0572 PLN
HAAT 341.0 m, ATV ERP 582.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	401817	30596.7
not affected by terrain losses	401783	30584.6
lost to NTSC IX	1092	12.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	1092	12.1

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
07	KCCOTV	ALEXANDRIA MN	DTVPLN -NPLN0480

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KJRR	JAMESTOWN ND	311.3	PLN	DTVPLN -NPLN0486
07	KTTW-DT	SIOUX FALLS SD	275.8	PLN	DTVPLN -DTVP0036

Results for: 7N MN ALEXANDRIA DTVPLN NPLN0480 PLN
POPULATION AREA (sq km)

within Noise Limited Contour	401789	30592.7
not affected by terrain losses	396850	30174.0
lost to NTSC IX	8633	1397.0
lost to additional IX by ATV	0	0.0
lost to all IX	8633	1397.0

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	KCCO-DT	ALEXANDRIA MN	DTVPLN -DTVP0572

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	KMWB	MINNEAPOLIS MN	170.6	CP	BPCT -19991118AAV
23	KFME-DT	FARGO ND	216.1	PLN	DTVPLN -DTVP0532
24	KYIN	MASON CITY IA	315.2	LIC	BLET -19860923KJ
24	961001LL	IRONWOOD MI	385.9	CP	BPCT -19961001LL
24	KCSD-DT	SIOUX FALLS SD	270.5	PLN	DTVPLN -DTVP0583
25	KDLO-DT	FLORENCE SD	207.6	CP	BPCDT -19991021ABN
25	KDLO-DT	FLORENCE SD	207.6	PLN	DTVPLN -DTVP0618
24	KCSD-D.C	Sioux Falls SD	263.4	CPM	CUR -PROPOSED

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.
24	KLKE	ALBION NE	DTVPLN -NPLN1218

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KXNE-DT	NORFOLK NE	89.2	PLN	DTVPLN	-DTVP0231
17	KTVG	GRAND ISLAND NE	136.8	PLN	DTVPLN	-NPLN0995
23	KLKE-DT	ALBION NE	0.0	PLN	DTVPLN	-DTVP0533
24	KTNE-DT	ALLIANCE NE	395.0	PLN	DTVPLN	-DTVP0576
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN	-DTVP0583
25	KOLN-DT	LINCOLN NE	156.4	PLN	DTVPLN	-DTVP0610

Results for: 24N NE ALBION

	DTVPLN	NPLN1218	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	99583	23681.6	
not affected by terrain losses	99295	23453.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	93	156.4	
lost to all IX	93	156.4	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	KLKE	ALBION NE	BLCT	-19960405KG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	KXNE-DT	NORFOLK NE	89.2	PLN	DTVPLN	-DTVP0231
16	KXNE-DT	NORFOLK NE	89.2	CP	BPEDT	-20000414AAN
17	KTVG	GRAND ISLAND NE	136.8	LIC	BLCT	-19990126KG
23	KLKE	ALBION NE	0.0	CP MOD	BMPCDT	-20000428ABC
23	KLKE-DT	ALBION NE	0.0	PLN	DTVPLN	-DTVP0533
24	KTNE-DT	ALLIANCE NE	395.0	PLN	DTVPLN	-DTVP0576
24	KCSD-DT	SIOUX FALLS SD	217.3	PLN	DTVPLN	-DTVP0583
25	KOLN-DT	LINCOLN NE	156.4	PLN	DTVPLN	-DTVP0610
28	KHNE-DT	HASTINGS NE	130.9	CP MOD	BMPEDT	-20010419ABN
28	KHNE	HASTINGS NE	130.9	GRANT	BPRM	-20000728AAH
24	KCSD-D.C	Sioux Falls SD	225.0	CPM	CUR	-PROPOSED

Total scenarios = 1

Result key: 10
Scenario 1 Affected station 9
Before Analysis

Results for: 24N NE ALBION

	BLCT	19960405KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	99583	23681.6	
not affected by terrain losses	99295	23453.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	93	156.4	
lost to all IX	93	156.4	

Potential Interferring Stations Included in above Scenario 1

16A NE NORFOLK	BPEDT	20000414AAN	CP
24A SD SIOUX FALLS	DTVPLN	DTVP0583	PLN

After Analysis

Results for: 24N NE ALBION

	BLCT	19960405KG	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	99583	23681.6	
not affected by terrain losses	99295	23453.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	20	32.1	
lost to all IX	20	32.1	

Potential Interfering Stations Included in above Scenario 1

16A NE NORFOLK	BPEDT	20000414AAN	CP		
24A SD Sioux Falls	CUR	PROPOSED	CPM		
*Percent new DTV interference without proposal:		0.1	BLCT		19960405KG
*Percent new DTV interference with proposal:		0.0	BLCT		19960405KG

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Analysis of Interference to Affected Station 10

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
25	KTIN-DT	FORT DODGE IA	DTVPLN	-DTVP0600

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KYIN	MASON CITY IA	142.2	PLN	DTVPLN	-NPLN1206
24	KCSD-DT	SIOUX FALLS SD	205.1	PLN	DTVPLN	-DTVP0583
25	KWKB-DT	IOWA CITY IA	264.9	PLN	DTVPLN	-DTVP0601
25	KOLN-DT	LINCOLN NE	320.5	PLN	DTVPLN	-DTVP0610
25	KDLO-DT	FLORENCE SD	349.0	PLN	DTVPLN	-DTVP0618
25	WLAX	LA CROSSE WI	269.2	PLN	DTVPLN	-NPLN1261
26	KBTB-DT	DES MOINES IA	129.5	PLN	DTVPLN	-DTVP0634
26	KYNETV	OMAHA NE	217.8	PLN	DTVPLN	-NPLN1285

Results for: 25A IA FORT DODGE

	DTVPLN	DTVP0600	PLN
	POPULATION	AREA (sq km)	
HAAT 355.0 m, ATV ERP 50.5 kW			
within Noise Limited Contour	210772	20639.8	
not affected by terrain losses	210772	20639.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	44	16.0	
lost to ATV IX only	44	16.0	
lost to all IX	44	16.0	

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
21	KTIN	FORT DODGE IA	DTVPLN	-NPLN1105

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KMEG	SIOUX CITY IA	158.3	PLN	DTVPLN	-NPLN0884
18	NEW	CARROLL IA	92.9	PLN	DTVPLN	-NPLN1015

19	WHO-DT	DES MOINES IA	129.8	PLN	DTVPLN	-DTVP0349
20	KSMQ-DT	AUSTIN MN	148.7	PLN	DTVPLN	-DTVP0402
20	KSMN	WORTHINGTON MN	172.7	PLN	DTVPLN	-NPLN1084
21	WFTC-DT	MINNEAPOLIS MN	269.5	PLN	DTVPLN	-DTVP0443
21	KTAJ-DT	ST. JOSEPH MO	352.6	PLN	DTVPLN	-DTVP0444
21	WHATV	MADISON WI	397.6	PLN	DTVPLN	-NPLN1131
22	NEW	WATERLOO IA	195.5	PLN	DTVPLN	-NPLN1139
23	NEW	AMES IA	128.3	PLN	DTVPLN	-NPLN1171
25	KTIN-DT	FORT DODGE IA	0.0	PLN	DTVPLN	-DTVP0600
36	KHIN	RED OAK IA	177.9	PLN	DTVPLN	-NPLN1518
36	NEW	SIOUX FALLS SD	213.2	PLN	DTVPLN	-NPLN1530

Results for: 21N IA FORT DODGE

	POPULATION	DTVPLN	NPLN1105	PLN
within Noise Limited Contour	210778		20643.8	
not affected by terrain losses	210761		20635.8	
lost to NTSC IX	10		4.0	
lost to additional IX by ATV	154		24.0	
lost to all IX	164		28.0	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KTIN-DT	FORT DODGE IA	BPEDT	-20000427ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KYIN	MASON CITY IA	142.2	LIC	BLET	-19860923KJ
24	KCSD-DT	SIOUX FALLS SD	205.1	PLN	DTVPLN	-DTVP0583
25	KWKB-DT	IOWA CITY IA	264.9	PLN	DTVPLN	-DTVP0601
25	KWKB	IOWA CITY IA	279.3	CP	BPCDT	-19991020AAN
25	KOLN-DT	LINCOLN NE	320.5	PLN	DTVPLN	-DTVP0610
25	KDLO-DT	FLORENCE SD	349.0	CP	BPCDT	-19991021ABN
25	KDLO-DT	FLORENCE SD	349.0	PLN	DTVPLN	-DTVP0618
25	WLAX	LA CROSSE WI	269.1	CP MOD	BMPCT	-20000114AAA
26	KBTB-DT	DES MOINES IA	129.5	PLN	DTVPLN	-DTVP0634
26	KYNE-TV	OMAHA NE	217.8	LIC	BLET	-19801016KG
24	KCSD-D.C	Sioux Falls SD	200.3	CPM	CUR	-PROPOSED

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.
25	KTIN-DT	FORT DODGE IA	DTVPLN	-DTVP0600

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KYIN	MASON CITY IA	142.2	LIC	BLET	-19860923KJ
24	KCSD-DT	SIOUX FALLS SD	205.1	PLN	DTVPLN	-DTVP0583
25	KWKB-DT	IOWA CITY IA	264.9	PLN	DTVPLN	-DTVP0601
25	KWKB	IOWA CITY IA	279.3	CP	BPCDT	-19991020AAN

25	KOLN-DT	LINCOLN NE	320.5	PLN	DTVPLN	-DTVP0610
25	KDLO-DT	FLORENCE SD	349.0	CP	BPCDT	-19991021ABN
25	KDLO-DT	FLORENCE SD	349.0	PLN	DTVPLN	-DTVP0618
25	WLAX	LA CROSSE WI	269.1	CP MOD	BMPCT	-20000114AAA
26	KBTB-DT	DES MOINES IA	129.5	PLN	DTVPLN	-DTVP0634
26	KYNE-TV	OMAHA NE	217.8	LIC	BLET	-19801016KG
24	KCSD-D.C	Sioux Falls SD	200.3	CPM	CUR	-PROPOSED

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
25	KDLO-DT	FLORENCE SD	DTVPLN	-DTVP0618

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KCCO-DT	ALEXANDRIA MN	207.6	PLN	DTVPLN	-DTVP0572
24	KCSD-DT	SIOUX FALLS SD	172.7	PLN	DTVPLN	-DTVP0583
25	KTIN-DT	FORT DODGE IA	349.0	PLN	DTVPLN	-DTVP0600
25	KPSD-DT	EAGLE BUTTE SD	367.2	PLN	DTVPLN	-DTVP0617
25	DNCE	DEVILS LAKE ND	362.8	PLN	DTVPLN	-NPLN1262
26	KDLT-DT	MITCHELL SD	149.2	PLN	DTVPLN	-DTVP0652

Results for: 25A SD FLORENCE DTVPLN DTVP0618 PLN
HAAT 512.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	203644	46410.0
not affected by terrain losses	202600	45909.8
lost to NTSC IX	217	221.8
lost to additional IX by ATV	10533	1387.5
lost to ATV IX only	10533	1387.5
lost to all IX	10750	1609.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
03	KDLOTV	FLORENCE SD	DTVPLN	-NPLN0256

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KUSDTV	VERMILLION SD	222.4	PLN	DTVPLN	-NPLN0195
03	KIMT	MASON CITY IA	418.4	PLN	DTVPLN	-NPLN0222
03	KBME	BISMARCK ND	307.4	PLN	DTVPLN	-NPLN0242
03	KMTV	OMAHA NE	426.0	PLN	DTVPLN	-NPLN0244
04	KPRYTV	PIERRE SD	222.3	PLN	DTVPLN	-NPLN0318

Results for: 3N SD FLORENCE DTVPLN NPLN0256 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	203644	46410.0

not affected by terrain losses	200818	45329.0
lost to NTSC IX	2353	1262.5
lost to additional IX by ATV	0	0.0
lost to all IX	2353	1262.5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KDLO-DT	FLORENCE SD	BPCDT	-19991021ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KCCO-DT	ALEXANDRIA MN	207.6	PLN	DTVPLN	-DTVP0572
24	KCSD-DT	SIOUX FALLS SD	172.7	PLN	DTVPLN	-DTVP0583
25	KTIN-DT	FORT DODGE IA	349.0	CP	BPEDT	-20000427ACH
25	KTIN-DT	FORT DODGE IA	349.0	PLN	DTVPLN	-DTVP0600
25	KPSD-DT	EAGLE BUTTE SD	367.2	PLN	DTVPLN	-DTVP0617
26	KDLV-DT	MITCHELL SD	149.2	CP	BPCDT	-19991101AIX
26	KDLT-DT	MITCHELL SD	149.2	PLN	DTVPLN	-DTVP0652
24	KCSD-D.C	Sioux Falls SD	171.6	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	KDLO-DT	FLORENCE SD	DTVPLN	-DTVP0618

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	KCCO-DT	ALEXANDRIA MN	207.6	PLN	DTVPLN	-DTVP0572
24	KCSD-DT	SIOUX FALLS SD	172.7	PLN	DTVPLN	-DTVP0583
25	KTIN-DT	FORT DODGE IA	349.0	CP	BPEDT	-20000427ACH
25	KTIN-DT	FORT DODGE IA	349.0	PLN	DTVPLN	-DTVP0600
25	KPSD-DT	EAGLE BUTTE SD	367.2	PLN	DTVPLN	-DTVP0617
26	KDLV-DT	MITCHELL SD	149.2	CP	BPCDT	-19991101AIX
26	KDLT-DT	MITCHELL SD	149.2	PLN	DTVPLN	-DTVP0652
24	KCSD-D.C	Sioux Falls SD	171.6	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 14

NTSC Baseline Analysis

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KXNETV	NORFOLK NE	85.7	PLN	DTVPLN	-NPLN1052
20	KSMN	WORTHINGTON MN	156.4	PLN	DTVPLN	-NPLN1084
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-DTVP0410
24	KCSD-DT	SIOUX FALLS SD	118.9	PLN	DTVPLN	-DTVP0583
26	KYNETV	OMAHA NE	141.8	PLN	DTVPLN	-NPLN1285
26	KDLT-DT	MITCHELL SD	151.5	PLN	DTVPLN	-DTVP0652
27	KFXA-DT	CEDAR RAPIDS IA	349.8	PLN	DTVPLN	-DTVP0671
27	KSNT	TOPEKA KS	382.8	PLN	DTVPLN	-NPLN1303
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-DTVP0674
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-DTVP0706
29	KSFY-DT	SIOUX FALLS SD	113.2	PLN	DTVPLN	-DTVP0765
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP0784
34	KUSD-DT	VERMILLION SD	71.4	PLN	DTVPLN	-DTVP0955
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP1158
42	KPTM	OMAHA NE	160.6	PLN	DTVPLN	-NPLN1624

Results for: 27N IA SIOUX CITY DTVPLN NPLN1299 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	264871	19668.8
not affected by terrain losses	262459	19536.3
lost to NTSC IX	693	204.9
lost to additional IX by ATV	93	32.1
lost to all IX	786	237.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	KSIN-TV	SIOUX CITY IA	BLET	-19860923KO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	KXNE-TV	NORFOLK NE	85.7	LIC	BLET	-19921106KE
20	KSMN	WORTHINGTON MN	156.4	LIC	BLET	-19970224KH
20	KETV-DT	OMAHA NE	136.0	PLN	DTVPLN	-DTVP0410
20	KETV-DT	OMAHA NE	136.0	CP MOD	BMPCDT	-20030121ACZ
24	KCSD-DT	SIOUX FALLS SD	118.9	PLN	DTVPLN	-DTVP0583
26	KYNE-TV	OMAHA NE	141.8	LIC	BLET	-19801016KG
26	KDLT-DT	MITCHELL SD	151.5	PLN	DTVPLN	-DTVP0652
27	KFXA-DT	CEDAR RAPIDS IA	349.8	CP	BPCDT	-19991028ACW
27	KFXA-DT	CEDAR RAPIDS IA	349.8	PLN	DTVPLN	-DTVP0671
27	KSNT	TOPEKA KS	382.8	LIC	BLCT	-1742
27	KRWF	REDWOOD FALLS MN	228.5	CP MOD	BMPCDT	-20010518AAO
27	KRWF-DT	REDWOOD FALLS MN	228.5	PLN	DTVPLN	-DTVP0674
28	KSIN-DT	SIOUX CITY IA	0.0	PLN	DTVPLN	-DTVP0706
28	KSIN-DT	SIOUX CITY IA	10.4	CP	BPEDT	-19980825KE
29	KSFY-DT	SIOUX FALLS SD	113.2	PLN	DTVPLN	-DTVP0765
30	KCAU-DT	SIOUX CITY IA	10.4	CP MOD	BMPCDT	-20000428ABE
30	KCAU-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP0784
34	KUSD-DT	VERMILLION SD	71.4	PLN	DTVPLN	-DTVP0955
41	KTIV-DT	SIOUX CITY IA	10.4	CP	BPCDT	-19991101AIH
41	KTIV-DT	SIOUX CITY IA	9.9	PLN	DTVPLN	-DTVP1158
42	KPTM	OMAHA NE	160.6	CP	BPCT	-19870902KE
24	KCSD-D.C	Sioux Falls SD	121.2	CPM	CUR	-PROPOSED

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	KCSD-D.C	Sioux Falls SD	CUR	-PROPOSED

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	KLKE	ALBION NE	225.0	CP MOD	BMPCDT	-20000428ABC
23	KLKE-DT	ALBION NE	225.0	PLN	DTVPLN	-DTVP0533
23	KCSD-TV	SIOUX FALLS SD	8.3	LIC	BLET	-19950619KE
24	KYIN	MASON CITY IA	309.1	LIC	BLET	-19860923KJ
24	KCCO-DT	ALEXANDRIA MN	263.4	PLN	DTVPLN	-DTVP0572
24	KLKE	ALBION NE	225.0	LIC	BLCT	-19960405KG
25	KTIN-DT	FORT DODGE IA	200.3	CP	BPEDT	-20000427ACH
25	KTIN-DT	FORT DODGE IA	200.3	PLN	DTVPLN	-DTVP0600
25	KDLO-DT	FLORENCE SD	171.6	CP	BPCDT	-19991021ABN
25	KDLO-DT	FLORENCE SD	171.6	PLN	DTVPLN	-DTVP0618

Total scenarios = 1

Result key: 11
Scenario 1 Affected station 15
Before Analysis

Results for: 24A SD Sioux Falls CUR PROPOSED CPM
HAAT 48.0 m, ATV ERP 29.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	183629	9366.6
not affected by terrain losses	183547	9338.7
lost to NTSC IX	3485	167.8
lost to additional IX by ATV	252	8.0
lost to ATV IX only	3385	67.9
lost to all IX	3737	175.8

Potential Interferring Stations Included in above Scenario 1

24N IA MASON CITY	BLET	19860923KJ	LIC
24N NE ALBION	BLCT	19960405KG	LIC
24A MN ALEXANDRIA	DTVPLN	DTVP0572	PLN
*Percent Service lost without proposal:	0.0	to CUR	PROPOSED
*Percent Service lost with proposal:	0.0	to CUR	PROPOSED

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