

## **ENGINEERING STATEMENT**

### **Request for Special Temporary Authorization Early Digital Transition**

prepared for

#### **Young Broadcasting of Sioux Falls, Inc.**

KDLO-DT Florence, SD

Facility ID 41975

Ch. 3 14.4 kW 513 m

*Young Broadcasting of Sioux Falls, Inc.* (“*Young*”) is the licensee of television station KDLO-TV, analog Channel 3 and digital Channel 2, Florence, SD. This statement supports *Young’s* request for Special Temporary Authority (“STA”) for an early transition to operate on its post-transition digital channel during the pre-transition period. This statement certifies compliance with coverage and interference criteria as specified in the Report and Order in the Third Periodic Review<sup>1</sup> for an early transition.

A construction permit (BMPCDT-20080618AJF) authorizes KDLO-DT to operate its post-transition digital facility on Channel 3, the current KDLO-TV analog channel. The authorized post-transition digital operation is a “maximized” facility and involves an effective radiated power (“ERP”) of 14.4 kW at 513 meters antenna height above average terrain (“HAAT”), with a nondirectional antenna. The proposed early transition STA facility will operate with the facilities as authorized in the maximized Construction Permit (14.4 kW and 513 meters).

A contour comparison map is supplied as **Figure 1**, showing that coverage areas associated with the currently licensed analog Channel 3 and digital Channel 2 facilities will be completely encompassed by the proposed digital Channel 3 operation. Population counts for the various

---

<sup>1</sup>*Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television*, MB Docket No. 07-91, FCC 07-228, released December 31, 2007.

KDLO-TV/DT facilities are summarized below as determined using OET Bulletin 69<sup>2</sup> analysis. The proposed early transition STA facility will provide a service population exceeding those of the currently licensed analog and digital facilities.

### **Population Summary**

KDLO-TV/DT Facility	Interference-Free Population (2000 Census)
Licensed Analog Ch. 3 (BMLCT-20040920AAV)	200,208
Pre-Transition Digital Ch. 2 (BLCDT-20030820ADF)	119,717
Proposed STA Digital Ch. 3 14.4 kW 513 m	207,748

A detailed interference study per OET Bulletin 69 shows that the proposal complies<sup>3</sup> with the Commission's 2% / 10% *de minimis* interference limits for operation during the transition, as demonstrated in **Table 1**. Thus, existing viewers will be served and impermissible interference will not be caused.

The proposed STA operation complies with the FCC's limits concerning human exposure to RF energy, as described in the application underlying BMPCDT-20080618AJF.

---

<sup>2</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

<sup>3</sup>It should be noted that **Table 1** shows interference exceeding the permissible limit with respect to the pre-transition KDLO-DT facility on Channel 2, first-adjacent to the proposed early transition STA operation. This interference should not be considered since the pre-transition KDLO-DT operation on Channel 2 will cease with the proposed early transition to Channel 3.

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



Joseph M. Davis, P.E.  
February 8 2009

**Chesapeake RF Consultants, LLC**  
11993 Kahns Road  
Manassas, VA 20112  
703-650-9600

List of Attachments

Figure 1      STA Coverage Contour Comparison  
Table 1      Pre-Transition OET Bulletin 69 Interference Study



Licensed Transition Service  
Analog Ch. 3 47 dBμ  
BMLCT-20040920AAV  
Digital Ch. 2 28 dBμ  
BLCDT-20030820ADF

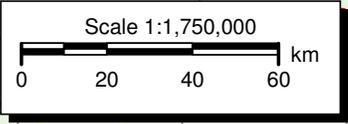
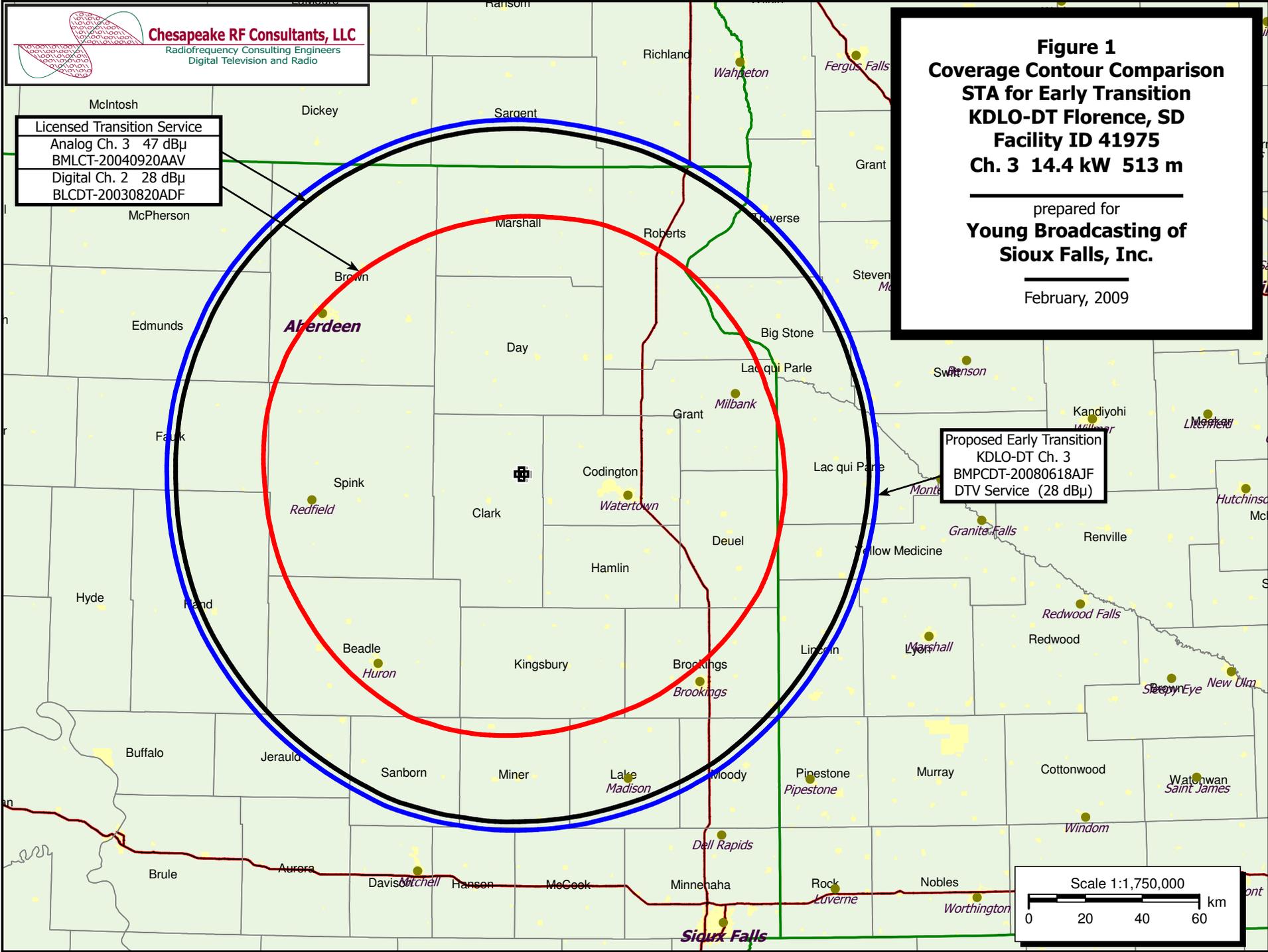
**Figure 1**  
**Coverage Contour Comparison**  
**STA for Early Transition**  
**KDLO-DT Florence, SD**  
**Facility ID 41975**  
**Ch. 3 14.4 kW 513 m**

---

prepared for  
**Young Broadcasting of**  
**Sioux Falls, Inc.**

---

February, 2009



**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 1 of 9)

Census data selected 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-05-2009 Time: 21:31:01

Record Selected for Analysis

KDLO-DT USERRECORD-01 FLORENCE SD US  
 Channel 03 ERP 14.4 kW HAAT 513. m RCAMSL 01066 m  
 Latitude 044-57-56 Longitude 0097-35-22  
 Status APP Zone 2 Border  
 Dir Antenna Make CDB Model 9999999999 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)	28.0 dBu F(50,90) (km)
0.0	14.400	507.9	124.2
45.0	14.400	509.9	124.4
90.0	14.400	518.2	125.0
135.0	14.400	506.7	124.1
180.0	14.400	517.6	124.9
225.0	14.400	518.9	125.0
270.0	14.400	510.8	124.4
315.0	14.400	512.7	124.6

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet 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

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 2 of 9)

\*\*\*\*\*

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
03	KDLO-DT	FLORENCE SD	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KDLO-TV	FLORENCE SD	0.7	LIC	BLCDDT	-20030820ADF
02	KDLO-DR	FLORENCE SD	0.0	LIC	BPRM	-20020219ABD
02	KUSD-TV	VERMILLION SD	222.4	LIC	BLET	-20070306AAH
03	KIMT	MASON CITY IA	418.4	LIC	BLET	-2518
03	KBME-TV	BISMARCK ND	307.4	LIC	BLET	-19890329KE
03	KMTV	OMAHA NE	425.9	LIC	BLET	-2388
04	KPRY-TV	PIERRE SD	222.3	LIC	BLET	-2481

\*\*\*\*\*

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	KDLO-TV	FLORENCE SD	BLCDDT	-20030820ADF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KTCA-TV	ST. PAUL MN	350.3	LIC	BMLET	-20050322AGD
02	KGFE	GRAND FORKS ND	354.3	LIC	BLET	-367
02	KUSD-TV	VERMILLION SD	222.1	LIC	BLET	-20070306AAH
03	KDLO-TV	FLORENCE SD	0.7	PLN	DTVPLN	-NPLN0256
03	KDLO-DT	FLORENCE SD	0.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 2A SD FLORENCE BLCDDT 20030820ADF LIC  
 HAAT 241.0 m, ATV ERP 3.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	125847	26138.0
not affected by terrain losses	122006	25775.0
lost to NTSC IX	4896	1641.7
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	4896	1641.7

Potential Interfering Stations Included in above Scenario 1

2N MN ST. PAUL	BMLET	20050322AGD	LIC
2N ND GRAND FORKS	BLET	367	LIC
2N SD VERMILLION	BLET	20070306AAH	LIC

After Analysis

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 3 of 9)

Results for: 2A SD FLORENCE BLCDT 20030820ADF LIC  
HAAT 241.0 m, ATV ERP 3.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	125847	26138.0
not affected by terrain losses	122006	25775.0
lost to NTSC IX	4896	1641.7
lost to additional IX by ATV	16334	1036.6
lost to ATV IX only	16684	1379.5
lost to all IX	21230	2678.3

Potential Interfering Stations Included in above Scenario 1

2N MN ST. PAUL	BMLET	20050322AGD	LIC
2N ND GRAND FORKS	BLET	367	LIC
2N SD VERMILLION	BLET	20070306AAH	LIC
3A SD FLORENCE	USERRECORD01		APP

The following station failed the de minimis interference criteria.  
3D SD FLORENCE USERRECORD01  
ERP 14.40 kW HAAT 513.0 m RCAMSL 1066.0 m  
Antenna CDB 9999999999

Due to interference to the following station and scenario: 1  
2D SD FLORENCE BLCDT 20030820ADF  
ERP 3.70 kW HAAT 241.0 m RCAMSL 794.0 m  
Antenna CDB 0000000064376

Percent Service lost without proposal: 0.0 to BLCDT 20030820ADF  
Percent Service lost with proposal: 13.9 to BLCDT 20030820ADF

Worst case new IX 13.9476% Scenario 1

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	KDLO-DR	FLORENCE SD	BPRM -20020219ABD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KTCA-TV	ST. PAUL MN	351.0	LIC	BMLET -20050322AGD
02	KGFE	GRAND FORKS ND	354.2	LIC	BLET -367
02	KUSD-TV	VERMILLION SD	222.4	LIC	BLET -20070306AAH
03	KDLOTV	FLORENCE SD	0.0	PLN	DTVPLN -NPLN0256
03	KDLO-DT	FLORENCE SD	0.0	APP	USERRECORD-01

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 2  
Before Analysis

Results for: 2A SD FLORENCE BPRM 20020219ABD LIC  
HAAT 243.0 m, ATV ERP 3.7 kW

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 4 of 9)

	POPULATION	AREA (sq km)
within Noise Limited Contour	127844	26839.3
not affected by terrain losses	123729	26492.4
lost to NTSC IX	4962	1678.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	4962	1678.0

Potential Interfering Stations Included in above Scenario 1

2N MN ST. PAUL	BMLET	20050322AGD	LIC
2N ND GRAND FORKS	BLET	367	LIC
2N SD VERMILLION	BLET	20070306AAH	LIC

After Analysis

Results for: 2A SD FLORENCE BPRM 20020219ABD LIC  
HAAT 243.0 m, ATV ERP 3.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	127844	26839.3
not affected by terrain losses	123729	26492.4
lost to NTSC IX	4962	1678.0
lost to additional IX by ATV	7530	859.1
lost to ATV IX only	7848	1109.2
lost to all IX	12492	2537.1

Potential Interfering Stations Included in above Scenario 1

2N MN ST. PAUL	BMLET	20050322AGD	LIC
2N ND GRAND FORKS	BLET	367	LIC
2N SD VERMILLION	BLET	20070306AAH	LIC
3A SD FLORENCE	USERRECORD01		APP

The following station failed the de minimis interference criteria.  
3D SD FLORENCE USERRECORD01  
ERP 14.40 kW HAAT 513.0 m RCAMSL 1066.0 m  
Antenna CDB 9999999999

Due to interference to the following station and scenario: 1  
2D SD FLORENCE BPRM 20020219ABD  
ERP 3.70 kW HAAT 243.0 m RCAMSL 792.0 m  
Antenna 9999999999999999

Percent Service lost without proposal: 0.0 to BPRM 20020219ABD  
Percent Service lost with proposal: 6.3 to BPRM 20020219ABD

Worst case new IX 6.3401% Scenario 1

#####

Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
02	KUSD-TV	VERMILLION SD	DTVPLN -NPLN0195

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
------	------	------------	----------	--------	----------------------

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 5 of 9)

02	KGAN	CEDAR RAPIDS IA	409.1	PLN	DTVPLN	-NPLN0163
02	KTCATV	ST. PAUL MN	367.9	PLN	DTVPLN	-NPLN0173
02	KQTV	ST. JOSEPH MO	400.5	PLN	DTVPLN	-NPLN0174
02	KNOPTV	NORTH PLATTE NE	384.6	PLN	DTVPLN	-NPLN0182
03	KMTV	OMAHA NE	203.6	PLN	DTVPLN	-NPLN0244
03	KDLOTV	FLORENCE SD	222.4	PLN	DTVPLN	-NPLN0256

Results for: 2N SD VERMILLION

	POPULATION	AREA (sq km)
within Noise Limited Contour	442708	29581.0
not affected by terrain losses	436190	29234.3
lost to NTSC IX	1818	548.2
lost to additional IX by ATV	0	0.0
lost to all IX	1818	548.2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	KUSD-TV	VERMILLION SD	BLET -20070306AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KGAN	CEDAR RAPIDS IA	408.8	LIC	BLCT -19990429KL
02	KTCA-TV	ST. PAUL MN	367.7	LIC	BMLET -20050322AGD
02	KQTV	ST. JOSEPH MO	400.4	APP	BSTA -20081219AFI
02	KQTV	ST. JOSEPH MO	400.4	LIC	BLCT -635
02	KNOP-TV	NORTH PLATTE NE	384.8	CP	BPCTD -20080603ABQ
02	KNOP-TV	NORTH PLATTE NE	384.8	LIC	BLCT -19791022KJ
02	KDLO-TV	FLORENCE SD	222.1	LIC	BLCTD -20030820ADF
02	KDLO-DR	FLORENCE SD	222.4	LIC	BPRM -20020219ABD
03	KMTV	OMAHA NE	203.5	LIC	BLCT -2388
03	KDLO-TV	FLORENCE SD	222.4	LIC	BMLET -20040920AAV
03	KDLO-DT	FLORENCE SD	222.4	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 4

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
03	KIMT	MASON CITY IA	DTVPLN -NPLN0222

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KGAN	CEDAR RAPIDS IA	142.5	PLN	DTVPLN -NPLN0163
02	KTCATV	ST. PAUL MN	188.8	PLN	DTVPLN -NPLN0173
03	KDLH	DULUTH MN	383.5	PLN	DTVPLN -NPLN0234
03	KTVO	KIRKSVILLE MO	317.6	PLN	DTVPLN -NPLN0235
03	KMTV	OMAHA NE	348.6	PLN	DTVPLN -NPLN0244
03	KDLOTV	FLORENCE SD	418.4	PLN	DTVPLN -NPLN0256
03	WISCTV	MADISON WI	269.4	PLN	DTVPLN -NPLN0268
04	WCCOTV	MINNEAPOLIS MN	189.4	PLN	DTVPLN -NPLN0295

Results for: 3N IA MASON CITY

	POPULATION	AREA (sq km)
within Noise Limited Contour	764990	43364.8

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 6 of 9)

not affected by terrain losses	730453	42053.6
lost to NTSC IX	217843	9627.3
lost to additional IX by ATV	0	0.0
lost to all IX	217843	9627.3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	KIMT	MASON CITY IA	BLCT -2518

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KGAN	CEDAR RAPIDS IA	142.4	LIC	BLCT -19990429KL
02	KTCA-TV	ST. PAUL MN	188.8	LIC	BMLET -20050322AGD
03	KDLH	DULUTH MN	383.5	LIC	BLCT -2028
03	KTVO	KIRKSVILLE MO	317.6	LIC	BLCT -19910507KG
03	KMTV	OMAHA NE	348.6	LIC	BLCT -2388
03	KDLO-TV	FLORENCE SD	418.4	LIC	BMLET -20040920AAV
03	WISC-TV	MADISON WI	269.4	LIC	BLCT -19950810KF
04	WCCO-TV	MINNEAPOLIS MN	189.4	LIC	BLCT -20010928ACS
03	KDLO-DT	FLORENCE SD	418.4	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
03	KBME	BISMARCK ND	DTVPLN -NPLN0242

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KXMATV	DICKINSON ND	162.0	PLN	DTVPLN -NPLN0180
03	KYUSTV	MILES CITY MT	386.7	PLN	DTVPLN -NPLN0239
03	KDLOTV	FLORENCE SD	307.4	PLN	DTVPLN -NPLN0256
03	KOTATV	RAPID CITY SD	339.1	PLN	DTVPLN -NPLN0257

Results for: 3N ND BISMARCK

	POPULATION	AREA (sq km)
within Noise Limited Contour	125676	38313.3
not affected by terrain losses	120879	36660.6
lost to NTSC IX	8179	6446.9
lost to additional IX by ATV	0	0.0
lost to all IX	8179	6446.9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	KBME-TV	BISMARCK ND	BLET -19890329KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KXMA-TV	DICKINSON ND	162.0	LIC	BLCT -2414
03	KYUS-TV	MILES CITY MT	386.7	LIC	BLCT -19920730KE
03	KDLO-TV	FLORENCE SD	307.4	LIC	BMLET -20040920AAV
03	KOTA-TV	RAPID CITY SD	339.1	LIC	BLCT -20010910ACG
03	KDLO-DT	FLORENCE SD	307.4	APP	USERRECORD-01

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 7 of 9)

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 5  
Before Analysis

Results for: 3N ND BISMARCK BLET 19890329KE LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	125676	38313.3
not affected by terrain losses	120879	36660.6
lost to NTSC IX	8175	6426.9
lost to additional IX by ATV	0	0.0
lost to all IX	8175	6426.9

Potential Interfering Stations Included in above Scenario 1

Station	BLCT	POPULATION	AREA (sq km)	LIC
2N ND DICKINSON	BLCT	2414		LIC
3N SD RAPID CITY	BLCT	20010910ACG		LIC
3N SD FLORENCE	BMLCT	20040920AAV		LIC

After Analysis

Results for: 3N ND BISMARCK BLET 19890329KE LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	125676	38313.3
not affected by terrain losses	120879	36660.6
lost to NTSC IX	2845	2821.3
lost to additional IX by ATV	4970	2905.3
lost to all IX	7815	5726.6

Potential Interfering Stations Included in above Scenario 1

Station	BLCT	POPULATION	AREA (sq km)	LIC
2N ND DICKINSON	BLCT	2414		LIC
3N SD RAPID CITY	BLCT	20010910ACG		LIC
3A SD FLORENCE	USERRECORD01			APP

Percent new IX = -0.0029% (lost to all IX)

Worst case new IX -0.0029% Scenario 1

#####

Analysis of Interference to Affected Station 6

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
03	KMTV	OMAHA NE	DTVPLN -NPLN0244

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KQTV	ST. JOSEPH MO	199.9	PLN	DTVPLN -NPLN0174
02	KUSD-TV	VERMILLION SD	203.6	PLN	DTVPLN -NPLN0195
03	KIMT	MASON CITY IA	348.6	PLN	DTVPLN -NPLN0222
03	KSNW	WICHITA KS	412.6	PLN	DTVPLN -NPLN0228
03	KTVO	KIRKSVILLE MO	313.3	PLN	DTVPLN -NPLN0235
03	KLNETV	LEXINGTON NE	306.2	PLN	DTVPLN -NPLN0243
03	KDLOTV	FLORENCE SD	426.0	PLN	DTVPLN -NPLN0256

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 8 of 9)

Channel	Call	City/State	Application Ref. No.
04	KTIV	SIOUX CITY IA	143.3 PLN
04	KSNBTV	SUPERIOR NE	209.4 PLN

Results for: 3N NE OMAHA DTVPLN NPLN0244 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1143760	40082.1
not affected by terrain losses	1128390	38973.0
lost to NTSC IX	87982	8680.2
lost to additional IX by ATV	0	0.0
lost to all IX	87982	8680.2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	KMTV	OMAHA NE	BLCT -2388

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KQTV	ST. JOSEPH MO	199.9	APP	BSTA -20081219AFI
02	KQTV	ST. JOSEPH MO	199.9	LIC	BLCT -635
02	KUSD-TV	VERMILLION SD	203.5	LIC	BLET -20070306AAH
03	KIMT	MASON CITY IA	348.6	LIC	BLCT -2518
03	KSNW	WICHITA KS	412.9	CP	BPCT -20030930BCM
03	KTVO	KIRKSVILLE MO	313.3	LIC	BLCT -19910507KG
03	KLNE-TV	LEXINGTON NE	306.2	LIC	BLCT -376
03	KLNE-TV	LEXINGTON NE	306.2	APP	BSTA -20070611AFZ
03	KDLO-TV	FLORENCE SD	425.9	LIC	BMLCT -20040920AAV
04	KTIV	SIOUX CITY IA	143.3	LIC	BLCT -2384
04	KSNB-TV	SUPERIOR NE	209.3	LIC	BLCT -20000914AAZ
03	KDLO-DT	FLORENCE SD	425.9	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
04	KPRYTV	PIERRE SD	DTVPLN -NPLN0318

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	KDLOTV	FLORENCE SD	222.3	PLN	DTVPLN -NPLN0256
04	KTIV	SIOUX CITY IA	351.4	PLN	DTVPLN -NPLN0286
04	KXJBLTV	VALLEY CITY ND	417.3	PLN	DTVPLN -NPLN0303
04	KDUHTV	SCOTTSBLUFF NE	330.0	PLN	DTVPLN -NPLN0305

Results for: 4N SD PIERRE DTVPLN NPLN0318 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	53782	37356.4
not affected by terrain losses	50585	36266.4
lost to NTSC IX	4710	3658.7
lost to additional IX by ATV	0	0.0
lost to all IX	4710	3658.7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	KPRY-TV	PIERRE SD	BLCT -2481

**Table 1 KDLO-DT Pre-Transition OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 9 of 9)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KDLO-TV	FLORENCE SD	222.3	LIC	BMLCT	-20040920AAV
04	KTIV	SIOUX CITY IA	351.4	LIC	BLCT	-2384
04	KXJB-TV	VALLEY CITY ND	417.2	LIC	BLCT	-19990920AAI
04	KDUH-TV	SCOTTSBLUFF NE	345.7	LIC	BLCT	-20030924ACZ
03	KDLO-DT	FLORENCE SD	222.3	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	KDLO-DT	FLORENCE SD	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KDLO-TV	FLORENCE SD	0.7	LIC	BLCDT	-20030820ADF
02	KDLO-DR	FLORENCE SD	0.0	LIC	BPRM	-20020219ABD
02	KUSD-TV	VERMILLION SD	222.4	LIC	BLET	-20070306AAH
03	KIMT	MASON CITY IA	418.4	LIC	BLCT	-2518
03	KBME-TV	BISMARCK ND	307.4	LIC	BLET	-19890329KE
03	KMTV	OMAHA NE	425.9	LIC	BLCT	-2388
04	KPRY-TV	PIERRE SD	222.3	LIC	BLCT	-2481

Total scenarios = 1

Result key: 4  
 Scenario 1 Affected station 8  
 Before Analysis

Results for: 3A SD FLORENCE USERRECORD01 APP

	POPULATION	AREA (sq km)
HAAT 513.0 m, ATV ERP 14.4 kW		
within Noise Limited Contour	207321	48749.2
not affected by terrain losses	207137	48575.8
lost to NTSC IX	371	157.3
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	371	157.3

Potential Interfering Stations Included in above Scenario 1

3N IA MASON CITY	BLCT	2518	LIC
3N ND BISMARCK	BLET	19890329KE	LIC

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED