ENGINEERING EXHIBIT

Request for
Special Temporary Authorization

prepared for

Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession
KPLO-TV Reliance, SD
Facility ID 41964
Ch. 13 40 kW 231 m

Young Broadcasting of Sioux Falls Inc., Debtor-In-Possession ("Young"), licensee of KPLO-TV (Ch. 13, Facility ID 41964, Reliance, SD) requests Special Temporary Authority ("STA") to operate with an emergency antenna. KPLO-TV is currently licensed with 40 kW effective radiated power ("ERP") and an antenna height above average terrain ("HAAT") of 318 meters (BLCDT-20030519AER). The tower structure supporting the KPLO-TV main antenna recently collapsed during an ice storm and KPLO-TV is presently silent.

The tower structure's former overall height above ground was 217 meters. *Young* has made arrangements to erect a temporary tower at the licensed transmitter site having an overall height above ground of 100.6 meters. The temporary tower will be placed on the same concrete pier foundation and employ the same guy wire anchor points employed by the tower which collapsed. The associated FCC Antenna Structure Registration ("ASR") number is 1035406, and, out of an abundance of caution, *Young* has filed with the FAA a request for determination of no hazard for the temporary tower (FAA study# 2010-AGL-599-OE). The temporary tower will be marked and lighted consistent with the FAA's recommendation.

It is proposed to side-mount an emergency antenna to the temporary tower structure. *Young* intends on rebuilding the main KPLO-TV facility at the same site, and the emergency antenna is intended to restore program service to the public until the temporary service must be interrupted to facilitate the rebuilding of the permanent facility.[1]

[1] Separately, *Young* expects to file an Application for Construction Permit to consider changes that may be

The emergency antenna is a horizontally polarized directional transmitting antenna, Dielectric model THB-C2-2H/4UD-1-S. The antenna will be side-mounted on the temporary tower structure. The emergency antenna will achieve an ERP of 40 kW, requiring a transmitter power output of 5.9 kW. A summary of the emergency facility's technical specifications is supplied in **Table 1**. The directional antenna's azimuthal pattern is described in **Figures 1** and **1A**. **Figure 2** provides the theoretical vertical plane (elevation) pattern.

The emergency facility's 36 dBμ contour is nearly completely encompassed by that of the licensed KPLO-TV, as depicted in the attached **Figure 3**. Ordinarily, an STA facility's contour must be contained within that of the station's authorization. In this case, the STA contour extends slightly beyond the licensed contour to the northwest. Despite the ERP being the same as the licensed value (40 kW) and the antenna HAAT being reduced to 231 m (from the licensed 318 m), the use of a different directional antenna pattern results in a minimal contour extension. The area within the extension consists of 497.1 sq. kilometers and contains a population of 56 persons (2000 census). This is 1.95 percent of the area and 0.12 percent of the population (25,430.8 sq. km and 46,361 persons, respectively) that are within the proposed STA facility's 36 dBμ contour. Thus, given the antenna pattern difference and proposed orientation, the contour extension is not intended to expand the KPLO-TV service area but rather to restore as much service as possible with the temporary facility.

A detailed interference study per OET Bulletin 69[2] shows that the proposed STA facility complies with the 0.5 percent limit of new interference caused to pertinent nearby post-transition stations and their Appendix B facilities. The interference study output report is provided as **Table 2**. Protection requirements towards authorized Class A stations are also satisfied.

---

proposed regarding the rebuilt KPLO-TV main facility from licensed parameters, as the rebuilt facility's antenna height may be increased to utilize that previously employed by the top-mounted KPLO-TV analog Channel 6 antenna.

[2]FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. 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.

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Regarding RF exposure, calculations per FCC OET Bulletin Number 65 considering 20 percent antenna relative field in downward elevations show that the signal density near the tower at two meters above ground level attributable to the proposed facility is 6.0 $\mu W/cm^2$, which is 3.0 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent. The applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Certification

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, 2010

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

List of Attachments

Table 1	STA Engineering Data
Figure 1, 1A	Antenna Azimuthal Pattern
Figure 2	Antenna Elevation Pattern
Figure 3	Coverage Contour Comparison
Table 2	OET Bulletin 69 Interference Study

Table 1
Engineering Data
Special Temporary Authority
prepared for
Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession
KPLO-TV Reliance, SD

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Site Coordinates: (NAD-27)	N-Lat 43° 57′ 57" W-Lon 99° 36' 11"
Channel:	13 (210-216 MHz)
Effective Radiated Power:	40 kW (16.02 dBk)
Antenna Radiation Center Height	
Above ground:	96.0 m
Above mean sea level:	758.0 m
Above average terrain:	230.8 m
Antenna Structure Registration number	1035406
Overall height above ground: (temporary tower)	100.6 m
Antenna:	Dielectric THB-C2-2H/4UD-1-S Gain 8.92 dBd Directional, Horizontal polarization
Transmission Line:	Andrew HJ11-50 4" coaxial 50 Ohm 350 feet length 0.61 dB loss
Transmitter Power Output:	5.9 kW (7.71 dBk)

Dielectric

Proposal Number			
Date	7-May-01		
Call Letters		Channel	7-13
Location			
Customer			
Antenna Type	THB-C2-2H/4UD-1-S		

AZIMUTH PATTERN

Gain	1.78	(2.50 dB)	Channel	7-13	
Calculated / Measured	Calculated		Drawing #	THB-C2-7-13	

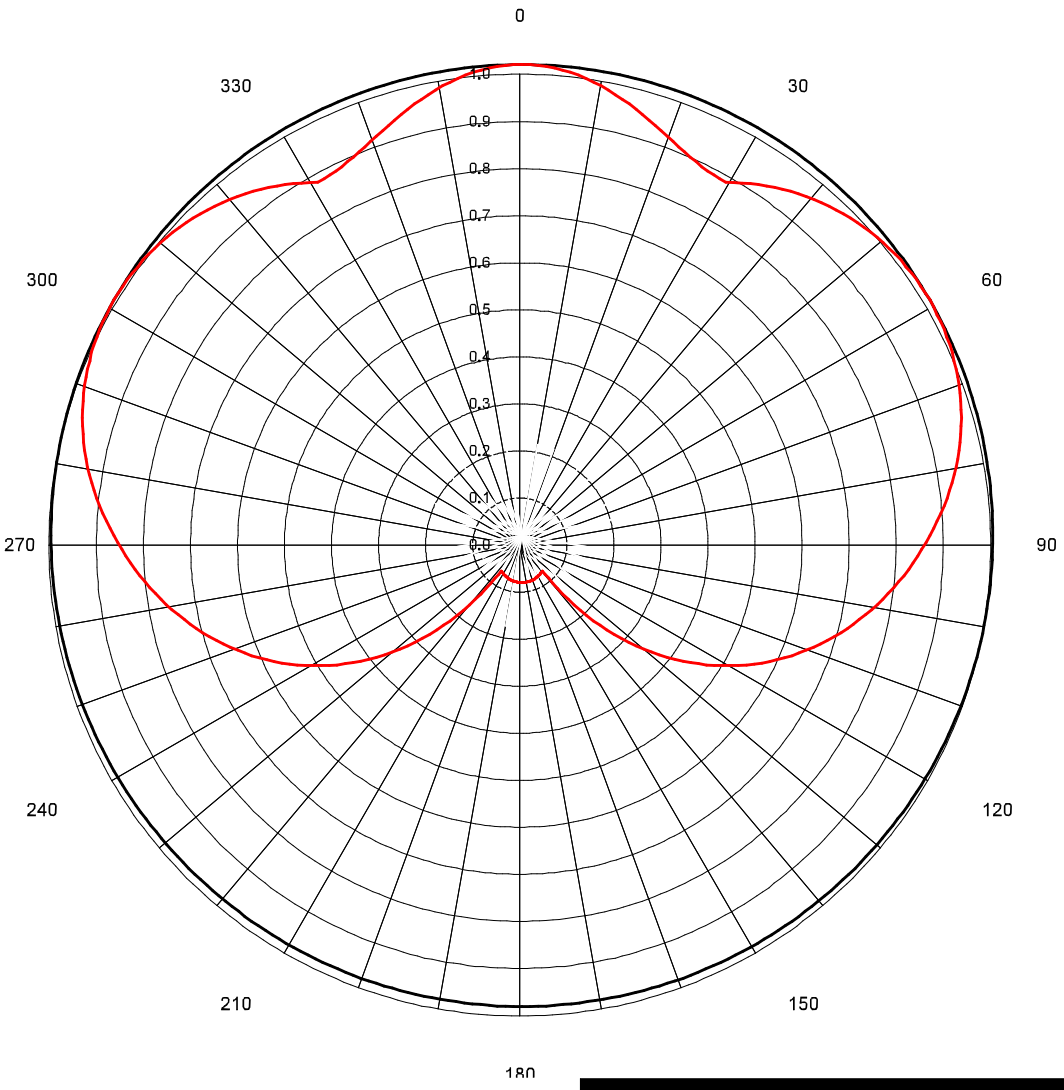


Figure 1
Antenna Azimuthal Pattern
Rotate Pattern to 300°
KPLO-TV Reliance, SD
Facility ID 41964
Ch. 13 40 kW 231 m

prepared for
Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession

February, 2010

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Dielectric

Proposal Number
7-May-01
Call Letters
Channel 7-13
Location
Customer
Antenna Type THB-C2-2H/4UD-1-S

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: THB-C2-7-13

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.966	90	0.866	135	0.321	180	0.100	225	0.321	270	0.866	315	0.966
1	1.000	46	0.970	91	0.858	136	0.304	181	0.100	226	0.338	271	0.875	316	0.961
2	0.999	47	0.974	92	0.850	137	0.287	182	0.100	227	0.354	272	0.883	317	0.956
3	0.997	48	0.978	93	0.842	138	0.270	183	0.100	228	0.370	273	0.891	318	0.951
4	0.995	49	0.982	94	0.833	139	0.253	184	0.100	229	0.387	274	0.899	319	0.946
5	0.992	50	0.985	95	0.825	140	0.236	185	0.100	230	0.403	275	0.906	320	0.940
6	0.988	51	0.988	96	0.816	141	0.219	186	0.100	231	0.418	276	0.914	321	0.934
7	0.984	52	0.990	97	0.807	142	0.202	187	0.099	232	0.434	277	0.920	322	0.927
8	0.980	53	0.993	98	0.798	143	0.185	188	0.099	233	0.449	278	0.927	323	0.920
9	0.975	54	0.994	99	0.788	144	0.168	189	0.099	234	0.464	279	0.934	324	0.914
10	0.969	55	0.996	100	0.779	145	0.152	190	0.098	235	0.479	280	0.940	325	0.906
11	0.963	56	0.998	101	0.769	146	0.136	191	0.098	236	0.494	281	0.946	326	0.899
12	0.957	57	0.999	102	0.760	147	0.121	192	0.098	237	0.508	282	0.951	327	0.891
13	0.951	58	0.999	103	0.750	148	0.108	193	0.097	238	0.522	283	0.956	328	0.883
14	0.944	59	1.000	104	0.739	149	0.096	194	0.097	239	0.536	284	0.961	329	0.875
15	10.000	60	1.000	105	0.729	150	0.087	195	0.097	240	0.550	285	0.966	330	0.866
16	0.930	61	1.000	106	0.719	151	0.087	196	0.096	241	0.563	286	0.970	331	0.866
17	0.923	62	0.999	107	0.708	152	0.088	197	0.096	242	0.577	287	0.974	332	0.867
18	0.916	63	0.999	108	0.697	153	0.089	198	0.095	243	0.590	288	0.978	333	0.869
19	0.909	64	0.998	109	0.686	154	0.090	199	0.095	244	0.603	289	0.982	334	0.872
20	0.902	65	0.996	110	0.675	155	0.091	200	0.094	245	0.615	290	0.985	335	0.875
21	0.896	66	0.994	111	0.663	156	0.091	201	0.093	246	0.627	291	0.988	336	0.879
22	0.890	67	0.993	112	0.651	157	0.092	202	0.093	247	0.640	292	0.990	337	0.884
23	0.884	68	0.990	113	0.640	158	0.093	203	0.092	248	0.651	293	0.993	338	0.890
24	0.879	69	0.988	114	0.627	159	0.093	204	0.091	249	0.663	294	0.994	339	0.896
25	0.875	70	0.985	115	0.615	160	0.094	205	0.091	250	0.675	295	0.996	340	0.902
26	0.872	71	0.982	116	0.603	161	0.095	206	0.090	251	0.686	296	0.998	341	0.909
27	0.869	72	0.978	117	0.590	162	0.095	207	0.089	252	0.697	297	0.999	342	0.916
28	0.867	73	0.974	118	0.577	163	0.096	208	0.088	253	0.708	298	0.999	343	0.923
29	0.866	74	0.970	119	0.563	164	0.096	209	0.087	254	0.719	299	1.000	344	0.930
30	0.866	75	0.966	120	0.550	165	0.097	210	0.087	255	0.729	300	1.000	345	0.937
31	0.875	76	0.961	121	0.536	166	0.097	211	0.096	256	0.739	301	1.000	346	0.944
32	0.883	77	0.956	122	0.522	167	0.097	212	0.108	257	0.750	302	0.999	347	0.951
33	0.891	78	0.951	123	0.508	168	0.098	213	0.121	258	0.760	303	0.999	348	0.957
34	0.899	79	0.946	124	0.494	169	0.098	214	0.136	259	0.769	304	0.998	349	0.963
35	0.906	80	0.940	125	0.479	170	0.098	215	0.152	260	0.779	305	0.996	350	0.969
36	0.914	81	0.934	126	0.464	171	0.099	216	0.168	261	0.788	306	0.994	351	0.975
37	0.920	82	0.927	127	0.449	172	0.099	217	0.185	262	0.798	307	0.993	352	0.980
38	0.927	83	0.920	128	0.434	173	0.099	218	0.202	263	0.807	308	0.990	353	0.984
39	0.934	84	0.914	129	0.418	174	0.100	219	0.219	264	0.816	309	0.988	354	0.988
40	0.940	85	0.906	130	0.403	175	0.100	220	0.236	265	0.825	310	0.985	355	0.992
41	0.946	86	0.899	131	0.387	176	0.100	221	0.253	266	0.833	311	0.982	356	0.995
42	0.951	87	0.891	132	0.370	177	0.100	222	0.270	267	0.842	312	0.978	357	0.997
43	0.956	88	0.883	133	0.354	178	0.100	223	0.287	268	0.850	313	0.974	358	0.999
44	0.961	89	0.875	134	0.338	179	0.100	224	0.304	269	0.858	314	0.970	359	1.000

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 1A
Antenna Azimuthal Pattern
Rotate Pattern to 300°
KPLO-TV Reliance, SD
Facility ID 41964
Ch. 13 40 kW 231 m

prepared for
Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession

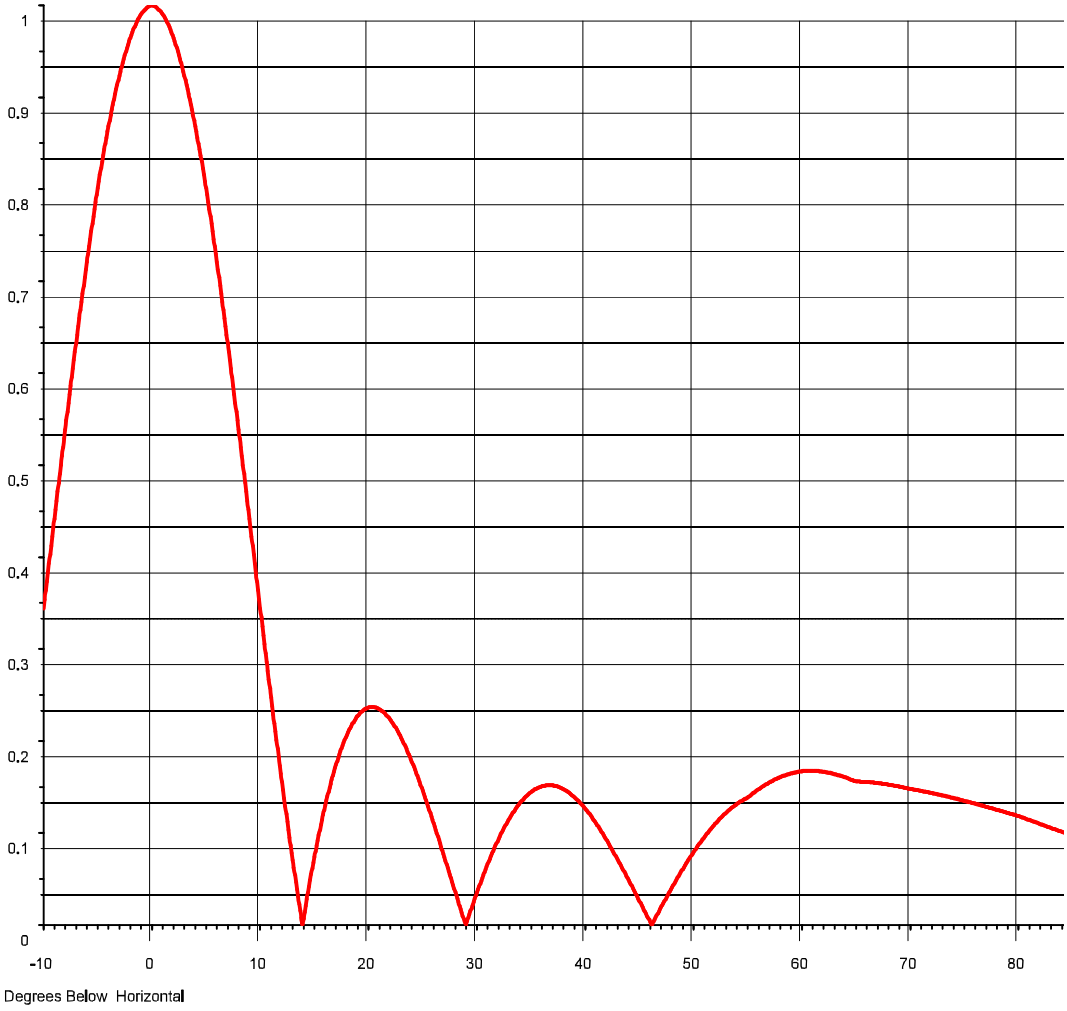
February, 2010

Dielectric

Proposal Number			
Date	7-May-01		
Call Letters		Channel	7-13
Location			
Customer			
Antenna Type	THB-C2-2H/4UD-1-S		

ELEVATION PATTERN

RMS Gain at Main Lobe	4.40 (6.43 dB)	Beam Tilt	0.00 deg
RMS Gain at Horizontal	4.40 (6.43 dB)	Channel	Ch 7-13
Calculated / Measured	Calculated	Drawing #	02H044000



Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 2
Antenna Elevation Pattern
KPLO-TV Reliance, SD
Facility ID 41964
Ch. 13 40 kW 231 m

prepared for
Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession

February, 2010

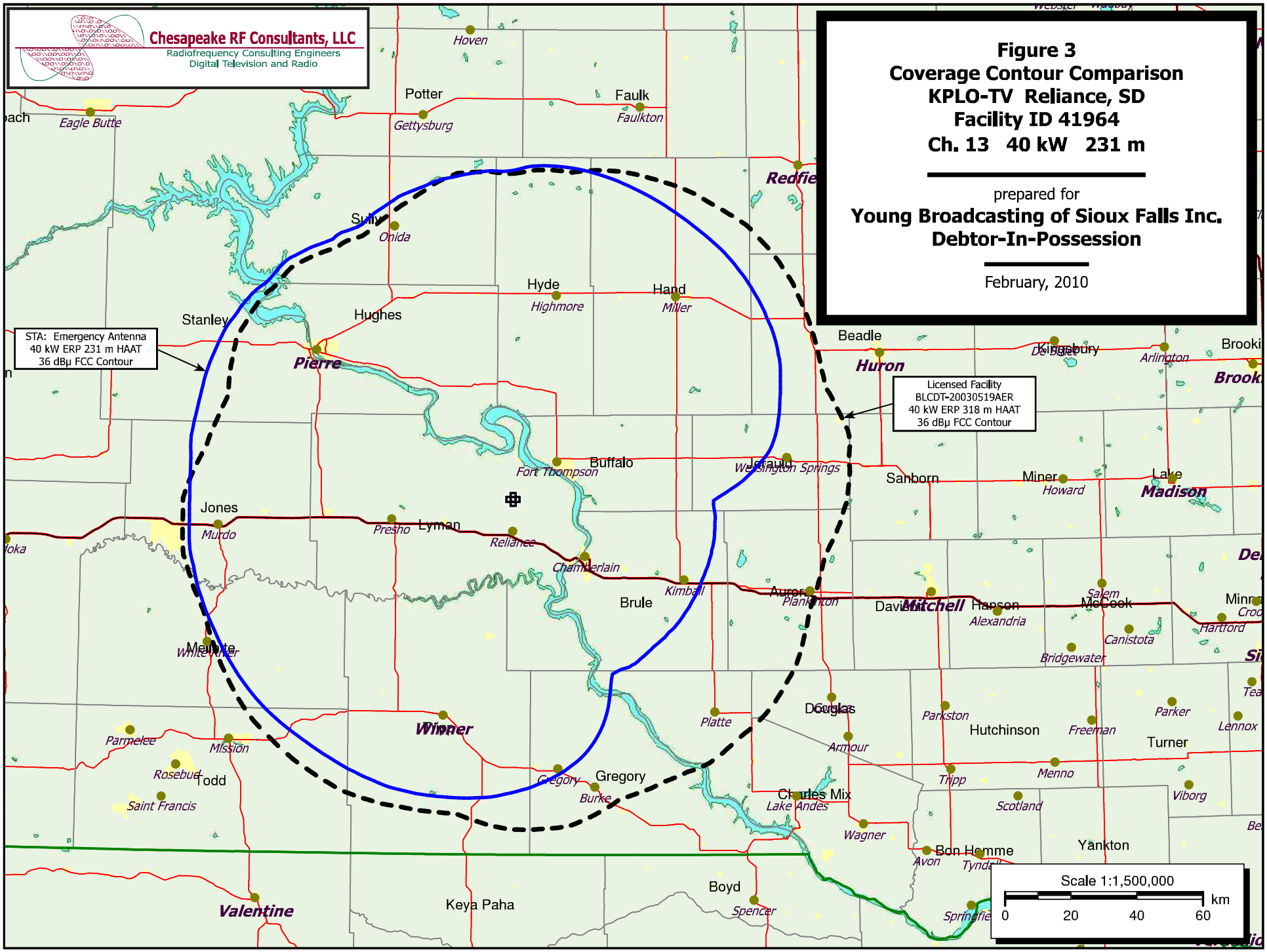

Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio
Figure 3
Coverage Contour Comparison
KPLO-TV Reliance, SD
Facility ID 41964
Ch. 13 40 kW 231 m
prepared for
Young Broadcasting of Sioux Falls Inc.
Debtor-In-Possession
February, 2010
STA: Emergency Antenna
40 kW ERP 231 m HAAT
36 dBµ FCC Contour
Licensed Facility
BLCDT-20030519AER
40 kW ERP 318 m HAAT
36 dBµ FCC Contour
Hoven
Potter
Faulk
Eagle Butte
Gettysburg
Faulkton
Sully
Onida
Hyde
Highmore
Hand
Miller
Stanley
Hughes
Pierre
Beadle
Huron
Arlington
Brookings
Fort Thompson
Buffalo
Wessington Springs
Jerauld
Sanborn
Miner
Howard
Lake
Madison
Jones
Murdo
Presho
Lyman
Reliance
Chamberlain
Kimball
Brule
Aurora
Plankinton
Davison
Mitchell
Hanson
Alexandria
McCook
Salem
Canistota
Bridgewater
Hartford
Minnehaha
Mellette
White River
Winner
Platte
Douglas
Armour
Parkston
Hutchinson
Freeman
Parker
Turner
Lennox
Tripp
Menno
Viborg
Scotland
Parmelee
Mission
Rosebud
Todd
Saint Francis
Gregory
Burke
Charles Mix
Lake Andes
Wagner
Bon Homme
Avon
Yankton
Valentine
Keya Paha
Boyd
Spencer
Springfield
Scale 1:1,500,000
km
0
20
40
60

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 18)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-05-2010 Time: 14:08:21

Record Selected for Analysis

KPLO-TV USERRECORD-01 RELIANCE SD US
Channel 13 ERP 40. kW HAAT 231. m RCAMSL 00758 m
Latitude 043-57-57 Longitude 0099-36-11
Status APP Zone 2 Border
Dir Antenna Make usr Model DIE_THB-C2-713 Beam tilt N Ref Azimuth 300.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	40.000	232.1	99.6
45.0	21.141	283.1	97.4
90.0	0.303	217.0	60.7
135.0	0.369	208.0	61.7
180.0	12.100	210.4	88.7
225.0	37.056	212.0	97.2
270.0	29.998	236.9	97.8
315.0	35.006	245.6	99.7

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

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 18)

Proposed station is OK toward AM broadcast stations

****

Start of Interference Analysis

Proposed Station

Channel	Call	City/State	ARN
13	KPLO-TV	RELIANCE SD	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KRNE-TV	MERRIMAN NE	222.6	PLN	DTVPLN	-DTVP0382
12	KRNE-TV	MERRIMAN NE	222.6	CP MOD	BMPEDT	-20080620ABD
12	KTTM	HURON SD	105.7	LIC	BLCDT	-20081204AFD
12	KTTM	HURON SD	105.7	PLN	DTVPLN	-DTVP0394
13	KFME	FARGO ND	387.1	CP MOD	BMPEDT	-20081030ABJ
13	KFME	FARGO ND	387.2	PLN	DTVPLN	-DTVP0442
13	KTNE-TV	ALLIANCE NE	367.1	CP MOD	BMPEDT	-20080620AJD
13	KTNE-TV	ALLIANCE NE	367.1	PLN	DTVPLN	-DTVP0444
13	KTNE-TV	ALLIANCE NE	367.1	LIC	BLEDT	-20081126AMF
13	KHGI-TV	KEARNEY NE	372.6	CP	BPCDT	-20090730AAJ
13	KHGI-TV	KEARNEY NE	372.6	PLN	DTVPLN	-DTVP0445
13	KHGI-DR	KEARNEY NE	372.6	APP	BPRM	-20080715AFI
13	KHGI-CA	NORTH PLATTE NE	327.8	LIC	BLTTV	-19891010JS
13	KPSD-TV	EAGLE BUTTE SD	243.0	CP MOD	BMPEDT	-20080618ACN
13	KPSD-TV	EAGLE BUTTE SD	243.0	PLN	DTVPLN	-DTVP0461
13	KSFY-TV	SIOUX FALLS SD	251.3	CP	BPCDT	-20080408AEO
13	KSFY-TV	SIOUX FALLS SD	251.3	PLN	DTVPLN	-DTVP0463

%%%%%%%%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
12	KRNE-TV	MERRIMAN NE	DTVPLN	-DTVP0382

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KSNK	MCCOOK NE	327.5	LIC	BLCDT	-20031017ABP
12	KSNK	MCCOOK NE	327.5	PLN	DTVPLN	-DTVP0381
12	KTTM	HURON SD	321.5	LIC	BLCDT	-20081204AFD
12	KTTM	HURON SD	321.5	PLN	DTVPLN	-DTVP0394
12	KCWY-DT	CASPER WY	375.4	CP	BPCDT	-20080619ABO
12	KCWY	CASPER WY	379.8	PLN	DTVPLN	-DTVP0405
13	KTNE-TV	ALLIANCE NE	144.5	CP MOD	BMPEDT	-20080620AJD
13	KTNE-TV	ALLIANCE NE	144.6	PLN	DTVPLN	-DTVP0444
13	KTNE-TV	ALLIANCE NE	144.5	LIC	BLEDT	-20081126AMF
13	KPLO-TV	RELIANCE SD	222.6	PLN	DTVPLN	-DTVP0462
13	KPLO-TV	RELIANCE SD	222.6	APP	USERRECORD-01	

Proposal causes no interference

##########

Analysis of Interference to Affected Station 2

```
Analysis of current record
Channel      Call           City/State        Application Ref. No.
   12      KRNE-TV    MERRIMAN NE              BMPEDT    -20080620ABD

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KSNK     MCCOOK NE               327.5  LIC     BLCDT     -20031017ABP
 12   KSNK     MCCOOK NE               327.5  PLN     DTVPLN    -DTVP0381
 12   KTTM     HURON SD                321.6  LIC     BLCDT     -20081204AFD
 12   KTTM     HURON SD                321.6  PLN     DTVPLN    -DTVP0394
 12   KCWY-DT  CASPER WY               375.4  CP      BPCDT     -20080619ABO
 12   KCWY     CASPER WY               379.7  PLN     DTVPLN    -DTVP0405
 13   KTNE-TV  ALLIANCE NE             144.4  CP MOD  BMPEDT    -20080620AJD
 13   KTNE-TV  ALLIANCE NE             144.5  PLN     DTVPLN    -DTVP0444
 13   KTNE-TV  ALLIANCE NE             144.4  LIC     BLEDT     -20081126AMF
 13   KPLO-TV  RELIANCE SD             222.6  PLN     DTVPLN    -DTVP0462
 13   KPLO-TV  RELIANCE SD             222.6  APP     USERRECORD-01
 Proposal causes no interference

#########################################################################


     Analysis of Interference to Affected Station   3


Analysis of current record
Channel      Call           City/State        Application Ref. No.
   12      KTTM       HURON SD                 BLCDT     -20081204AFD

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 11   KQSD-TV  LOWRY SD                178.4  CP MOD  BMPEDT    -20080618ACP
 11   KQSD-TV  LOWRY SD                178.2  PLN     DTVPLN    -DTVP0336
 11   KELO-TV  SIOUX FALLS SD          161.4  CP MOD  BMPCDT    -20080618ADT
 11   KELO-TV  SIOUX FALLS SD          161.4  PLN     DTVPLN    -DTVP0337
 12   KEYC-TV  MANKATO MN              313.3  PLN     DTVPLN    -DTVP0370
 12   KEYC-TV  MANKATO MN              313.3  CP MOD  BMPCDT    -20080620AHS
 12   KCCW-TV  WALKER MN               427.7  PLN     DTVPLN    -DTVP0371
 12   KCCW-TV  WALKER MN               427.8  CP MOD  BMPCDT    -20080619AAY
 12   KXMB-TV  BISMARCK ND             329.4  PLN     DTVPLN    -DTVP0378
 12   KXMB-TV  BISMARCK ND             329.5  CP      BPCDT     -20080320ABC
 12   KUON-TV  LINCOLN NE              372.2  CP MOD  BMPEDT    -20080620AKC
 12   KUON-TV  LINCOLN NE              372.2  PLN     DTVPLN    -DTVP0380
 12   KRNE-TV  MERRIMAN NE             321.5  PLN     DTVPLN    -DTVP0382
 12   KRNE-TV  MERRIMAN NE             321.6  CP MOD  BMPEDT    -20080620ABD
 13   KPLO-TV  RELIANCE SD             105.7  PLN     DTVPLN    -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD          161.4  CP      BPCDT     -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD          161.4  PLN     DTVPLN    -DTVP0463
 13   KPLO-TV  RELIANCE SD             105.7  APP     USERRECORD-01

 Total scenarios =   16

Result key:        4
Scenario        4  Affected station        3
Before Analysis

Results for: 12A SD HURON               BLCDT     20081204AFD  LIC
   HAAT  257.0 m, ATV ERP   12.6 kW
                                POPULATION   AREA (sq km)
```



```
   within Noise Limited Contour       79153      26736.9
   not affected by terrain losses     76419      25645.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         971       1179.5
   lost to ATV IX only                  971       1179.5
   lost to all IX                       971       1179.5

 Potential Interfering Stations Included in above Scenario     4

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A ND BISMARCK             DTVPLN    DTVP0378     PLN
12A NE LINCOLN              DTVPLN    DTVP0380     PLN
12A NE MERRIMAN             BMPEDT    20080620ABD  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 12A SD HURON               BLCDT     20081204AFD  LIC
   HAAT  257.0 m, ATV ERP   12.6 kW
                                POPULATION   AREA (sq km)
   within Noise Limited Contour       79153      26736.9
   not affected by terrain losses     76419      25645.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         699        847.6
   lost to ATV IX only                  699        847.6
   lost to all IX                       699        847.6

 Potential Interfering Stations Included in above Scenario     4

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A ND BISMARCK             DTVPLN    DTVP0378     PLN
12A NE LINCOLN              DTVPLN    DTVP0380     PLN
12A NE MERRIMAN             BMPEDT    20080620ABD  CP
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =   -0.3605%

Worst case new IX   -0.3605% Scenario      4

#########################################################################


     Analysis of Interference to Affected Station   4


Analysis of current record
Channel      Call           City/State        Application Ref. No.
   12      KTTM       HURON SD                 DTVPLN    -DTVP0394

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 11   KQSD-TV  LOWRY SD                178.4  CP MOD  BMPEDT    -20080618ACP
 11   KQSD-TV  LOWRY SD                178.2  PLN     DTVPLN    -DTVP0336
 11   KELO-TV  SIOUX FALLS SD          161.4  CP MOD  BMPCDT    -20080618ADT
 11   KELO-TV  SIOUX FALLS SD          161.4  PLN     DTVPLN    -DTVP0337
 12   KEYC-TV  MANKATO MN              313.3  PLN     DTVPLN    -DTVP0370
 12   KEYC-TV  MANKATO MN              313.3  CP MOD  BMPCDT    -20080620AHS
 12   KCCW-TV  WALKER MN               427.7  PLN     DTVPLN    -DTVP0371
 12   KCCW-TV  WALKER MN               427.8  CP MOD  BMPCDT    -20080619AAY
 12   KXMB-TV  BISMARCK ND             329.4  PLN     DTVPLN    -DTVP0378
 12   KXMB-TV  BISMARCK ND             329.5  CP      BPCDT     -20080320ABC
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 18)

```
 12   KUON-TV  LINCOLN NE                372.2  CP MOD BMPEDT    -20080620AKC
 12   KUON-TV  LINCOLN NE                372.2  PLN    DTVPLN    -DTVP0380
 12   KRNE-TV  MERRIMAN NE               321.5  PLN    DTVPLN    -DTVP0382
 12   KRNE-TV  MERRIMAN NE               321.6  CP MOD BMPEDT    -20080620ABD
 13   KPLO-TV  RELIANCE SD               105.7  PLN    DTVPLN    -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD            161.4  CP     BPCDT     -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD            161.4  PLN    DTVPLN    -DTVP0463
 13   KPLO-TV  RELIANCE SD               105.7  APP    USERRECORD-01

 Total scenarios =   16

Result key:       20
Scenario        4  Affected station        4
Before Analysis

Results for: 12A SD HURON                DTVPLN    DTVP0394     PLN
   HAAT  259.0 m, ATV ERP   13.5 kW
                                POPULATION   AREA (sq km)
   within Noise Limited Contour       81951      26916.9
   not affected by terrain losses     78202      25797.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         998       1187.5
   lost to ATV IX only                  998       1187.5
   lost to all IX                       998       1187.5

 Potential Interfering Stations Included in above Scenario     4

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A ND BISMARCK             DTVPLN    DTVP0378     PLN
12A NE LINCOLN              DTVPLN    DTVP0380     PLN
12A NE MERRIMAN             BMPEDT    20080620ABD  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 12A SD HURON                DTVPLN    DTVP0394     PLN
   HAAT  259.0 m, ATV ERP   13.5 kW
                                POPULATION   AREA (sq km)
   within Noise Limited Contour       81951      26916.9
   not affected by terrain losses     78202      25797.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         736        827.7
   lost to ATV IX only                  736        827.7
   lost to all IX                       736        827.7

 Potential Interfering Stations Included in above Scenario     4

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A ND BISMARCK             DTVPLN    DTVP0378     PLN
12A NE LINCOLN              DTVPLN    DTVP0380     PLN
12A NE MERRIMAN             BMPEDT    20080620ABD  CP
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =   -0.3394%

Worst case new IX   -0.3394% Scenario      4

#########################################################################

     Analysis of Interference to Affected Station   5
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 18)

```
Analysis of current record
Channel     Call           City/State        Application Ref. No.
   13      KFME       FARGO ND                  BMPEDT    -20081030ABJ

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KCCW-TV  WALKER MN                207.8  PLN    DTVPLN    -DTVP0371
 12   KCCW-TV  WALKER MN                207.9  CP MOD BMPCDT    -20080619AAY
 12   KNRR     PEMBINA ND               221.0  CP     BPCDT     -20080520ACJ
 12   KNRR     PEMBINA ND               221.0  PLN    DTVPLN    -DTVP0379
 13   WIRT     HIBBING MN               322.8  PLN    DTVPLN    -DTVP0437
 13   WIRT-DT  HIBBING MN               322.8  CP MOD BMPCDT    -20080620ABW
 13   KXMC-TV  MINOT ND                 331.9  CP     BPCDT     -20080320AEJ
 13   KXMC-TV  MINOT ND                 331.8  PLN    DTVPLN    -DTVP0443
 13   KPLO-TV  RELIANCE SD              387.1  PLN    DTVPLN    -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD           391.8  CP     BPCDT     -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD           391.8  PLN    DTVPLN    -DTVP0463
 13   KPLO-TV  RELIANCE SD              387.1  APP    USERRECORD-01

 Total scenarios =   4


Result key:       33
Scenario        1  Affected station        5
Before Analysis

Results for: 13A ND FARGO                BMPEDT    20081030ABJ  CP
   HAAT  342.0 m, ATV ERP   56.2 kW
                                POPULATION   AREA (sq km)
   within Noise Limited Contour      360388      37679.1
   not affected by terrain losses    359507      37410.1
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         256        256.9
   lost to ATV IX only                  256        256.9
   lost to all IX                       256        256.9

 Potential Interfering Stations Included in above Scenario     1

13A MN HIBBING              DTVPLN    DTVP0437     PLN
13A ND MINOT                BPCDT     20080320AEJ  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A ND FARGO                BMPEDT    20081030ABJ  CP
   HAAT  342.0 m, ATV ERP   56.2 kW
                                POPULATION   AREA (sq km)
   within Noise Limited Contour      360388      37679.1
   not affected by terrain losses    359507      37410.1
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         256        256.9
   lost to ATV IX only                  256        256.9
   lost to all IX                       256        256.9

 Potential Interfering Stations Included in above Scenario     1

13A MN HIBBING              DTVPLN    DTVP0437     PLN
13A ND MINOT                BPCDT     20080320AEJ  CP
13A SD RELIANCE             USERRECORD01           APP
```

```
Percent new IX =    0.0000%

Worst case new IX    0.0000% Scenario      1

########################################################################


     Analysis of Interference to Affected Station   6


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KFME       FARGO ND                  DTVPLN    -DTVP0442

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KCCW-TV  WALKER MN               207.7  PLN     DTVPLN     -DTVP0371
 12   KCCW-TV  WALKER MN               207.9  CP MOD  BMPCDT     -20080619AAY
 12   KNRR     PEMBINA ND              220.9  CP      BPCDT      -20080520ACJ
 12   KNRR     PEMBINA ND              220.9  PLN     DTVPLN     -DTVP0379
 13   WIRT     HIBBING MN              322.7  PLN     DTVPLN     -DTVP0437
 13   WIRT-DT  HIBBING MN              322.7  CP MOD  BMPCDT     -20080620ABW
 13   KXMC-TV  MINOT ND                331.9  CP      BPCDT      -20080320AEJ
 13   KXMC-TV  MINOT ND                331.9  PLN     DTVPLN     -DTVP0443
 13   KPLO-TV  RELIANCE SD             387.2  PLN     DTVPLN     -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD          391.8  CP      BPCDT      -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD          391.8  PLN     DTVPLN     -DTVP0463
 13   KPLO-TV  RELIANCE SD             387.2  APP     USERRECORD-01
 Proposal causes no interference

########################################################################


     Analysis of Interference to Affected Station   7


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KTNE-TV    ALLIANCE NE              BMPEDT    -20080620AJD

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KRNE-TV  MERRIMAN NE             144.5  PLN     DTVPLN     -DTVP0382
 12   KRNE-TV  MERRIMAN NE             144.4  CP MOD  BMPEDT     -20080620ABD
 13   KBDI-TV  BROOMFIELD CO           316.0  CP MOD  BMPEDT     -20080410ABS
 13   KBDI-TV  BROOMFIELD CO           316.0  PLN     DTVPLN     -DTVP0414
 13   KHGI-TV  KEARNEY NE              373.8  CP      BPCDT      -20090730AAJ
 13   KHGI-TV  KEARNEY NE              373.8  PLN     DTVPLN     -DTVP0445
 13   KHGI-DR  KEARNEY NE              373.8  APP     BPRM       -20080715AFI
 13   KPSD-TV  EAGLE BUTTE SD          362.8  CP MOD  BMPEDT     -20080618ACN
 13   KPSD-TV  EAGLE BUTTE SD          363.0  PLN     DTVPLN     -DTVP0461
 13   KPLO-TV  RELIANCE SD             367.1  PLN     DTVPLN     -DTVP0462
 13   KPLO-TV  RELIANCE SD             367.1  APP     USERRECORD-01

 Total scenarios =   8

Result key:       40
Scenario        4  Affected station        7
Before Analysis
```



```
Results for: 13A NE ALLIANCE             BMPEDT    20080620AJD  CP
   HAAT  466.0 m, ATV ERP   27.0 kW
                                    POPULATION   AREA (sq km)
   within Noise Limited Contour      101830      40320.1
   not affected by terrain losses     95967      37310.9
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        2026       2434.6
   lost to ATV IX only                 2026       2434.6
   lost to all IX                      2026       2434.6

 Potential Interfering Stations Included in above Scenario     4

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           DTVPLN    DTVP0414     PLN
13A SD EAGLE BUTTE          DTVPLN    DTVP0461     PLN
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A NE ALLIANCE             BMPEDT    20080620AJD  CP
   HAAT  466.0 m, ATV ERP   27.0 kW
                                    POPULATION   AREA (sq km)
   within Noise Limited Contour      101830      40320.1
   not affected by terrain losses     95967      37310.9
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        2022       2422.6
   lost to ATV IX only                 2022       2422.6
   lost to all IX                      2022       2422.6

 Potential Interfering Stations Included in above Scenario     4

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           DTVPLN    DTVP0414     PLN
13A SD EAGLE BUTTE          DTVPLN    DTVP0461     PLN
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =   -0.0043%

Worst case new IX   -0.0043% Scenario      4

########################################################################


     Analysis of Interference to Affected Station   8


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KTNE-TV    ALLIANCE NE              DTVPLN    -DTVP0444

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KRNE-TV  MERRIMAN NE             144.6  PLN     DTVPLN     -DTVP0382
 12   KRNE-TV  MERRIMAN NE             144.5  CP MOD  BMPEDT     -20080620ABD
 13   KBDI-TV  BROOMFIELD CO           315.9  CP MOD  BMPEDT     -20080410ABS
 13   KBDI-TV  BROOMFIELD CO           315.9  PLN     DTVPLN     -DTVP0414
 13   KHGI-TV  KEARNEY NE              373.7  CP      BPCDT      -20090730AAJ
 13   KHGI-TV  KEARNEY NE              373.7  PLN     DTVPLN     -DTVP0445
 13   KHGI-DR  KEARNEY NE              373.7  APP     BPRM       -20080715AFI
 13   KPSD-TV  EAGLE BUTTE SD          362.9  CP MOD  BMPEDT     -20080618ACN
 13   KPSD-TV  EAGLE BUTTE SD          363.1  PLN     DTVPLN     -DTVP0461
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 18)

```
 13   KPLO-TV  RELIANCE SD              367.1  PLN    DTVPLN    -DTVP0462
 13   KPLO-TV  RELIANCE SD              367.1  APP    USERRECORD-01

 Total scenarios =   8


Result key:       45
Scenario        1  Affected station       8
Before Analysis

Results for: 13A NE ALLIANCE            DTVPLN    DTVP0444     PLN
   HAAT  469.0 m, ATV ERP   20.9 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour       93412      37901.8
   not affected by terrain losses     90447      35362.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        1326       2230.0
   lost to ATV IX only                 1326       2230.0
   lost to all IX                      1326       2230.0

 Potential Interfering Stations Included in above Scenario     1

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           BMPEDT    20080410ABS  CP
13A SD EAGLE BUTTE          BMPEDT    20080618ACN  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A NE ALLIANCE            DTVPLN    DTVP0444     PLN
   HAAT  469.0 m, ATV ERP   20.9 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour       93412      37901.8
   not affected by terrain losses     90447      35362.4
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        1326       2222.0
   lost to ATV IX only                 1326       2222.0
   lost to all IX                      1326       2222.0

 Potential Interfering Stations Included in above Scenario     1

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           BMPEDT    20080410ABS  CP
13A SD EAGLE BUTTE          BMPEDT    20080618ACN  CP
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =    0.0000%

Worst case new IX    0.0000% Scenario      1

################################################################################


     Analysis of Interference to Affected Station   9


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KTNE-TV    ALLIANCE NE              BLEDT     -20081126AMF

     Stations Potentially Affecting This Station
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 18)

```
Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KRNE-TV  MERRIMAN NE              144.5  PLN    DTVPLN    -DTVP0382
 12   KRNE-TV  MERRIMAN NE              144.4  CP MOD BMPEDT    -20080620ABD
 13   KBDI-TV  BROOMFIELD CO            316.0  CP MOD BMPEDT    -20080410ABS
 13   KBDI-TV  BROOMFIELD CO            316.0  PLN    DTVPLN    -DTVP0414
 13   KHGI-TV  KEARNEY NE               373.8  CP     BPCDT     -20090730AAJ
 13   KHGI-TV  KEARNEY NE               373.8  PLN    DTVPLN    -DTVP0445
 13   KHGI-DR  KEARNEY NE               373.8  APP    BPRM      -20080715AFI
 13   KPSD-TV  EAGLE BUTTE SD           362.8  CP MOD BMPEDT    -20080618ACN
 13   KPSD-TV  EAGLE BUTTE SD           363.0  PLN    DTVPLN    -DTVP0461
 13   KPLO-TV  RELIANCE SD              367.1  PLN    DTVPLN    -DTVP0462
 13   KPLO-TV  RELIANCE SD              367.1  APP    USERRECORD-01

 Total scenarios =   8


Result key:       53
Scenario        1  Affected station       9
Before Analysis

Results for: 13A NE ALLIANCE            BLEDT     20081126AMF  LIC
   HAAT  462.0 m, ATV ERP   17.5 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour       92698      37408.2
   not affected by terrain losses     89835      34977.6
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        1148       2113.3
   lost to ATV IX only                 1148       2113.3
   lost to all IX                      1148       2113.3

 Potential Interfering Stations Included in above Scenario     1

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           BMPEDT    20080410ABS  CP
13A NE KEARNEY              BPCDT     20090730AAJ  CP
13A SD EAGLE BUTTE          BMPEDT    20080618ACN  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A NE ALLIANCE            BLEDT     20081126AMF  LIC
   HAAT  462.0 m, ATV ERP   17.5 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour       92698      37408.2
   not affected by terrain losses     89835      34977.6
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        1148       2097.2
   lost to ATV IX only                 1148       2097.2
   lost to all IX                      1148       2097.2

 Potential Interfering Stations Included in above Scenario     1

12A NE MERRIMAN             DTVPLN    DTVP0382     PLN
13A CO BROOMFIELD           BMPEDT    20080410ABS  CP
13A NE KEARNEY              BPCDT     20090730AAJ  CP
13A SD EAGLE BUTTE          BMPEDT    20080618ACN  CP
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =    0.0000%

Worst case new IX    0.0000% Scenario      1
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 18)

```
################################################################################

     Analysis of Interference to Affected Station  10


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KHGI-TV    KEARNEY NE               BPCDT     -20090730AAJ

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KUON-TV  LINCOLN NE               209.6  CP MOD BMPEDT     -20080620AKC
 12   KUON-TV  LINCOLN NE               209.6  PLN    DTVPLN     -DTVP0380
 12   KSNK     MCCOOK NE                180.7  LIC    BLCDT      -20031017ABP
 12   KSNK     MCCOOK NE                180.7  PLN    DTVPLN     -DTVP0381
 13   KUPK-TV  GARDEN CITY KS           368.5  CP MOD BMPCDT     -20080609ACN
 13   KUPK-TV  GARDEN CITY KS           368.6  PLN    DTVPLN     -DTVP0427
 13   WIBW-TV  TOPEKA KS                302.6  CP     BPCDT      -20090629ADA
 13   WIBW-TV  TOPEKA KS                302.6  PLN    DTVPLN     -DTVP0429
 13   KTNE-TV  ALLIANCE NE              373.8  CP MOD BMPEDT     -20080620AJD
 13   KTNE-TV  ALLIANCE NE              373.7  PLN    DTVPLN     -DTVP0444
 13   KTNE-TV  ALLIANCE NE              373.8  LIC    BLEDT      -20081126AMF
 13   KHGI-DR  KEARNEY NE                 0.0  APP    BPRM       -20080715AFI
 13   KPLO-TV  RELIANCE SD              372.6  PLN    DTVPLN     -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD           371.6  CP     BPCDT      -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD           371.6  PLN    DTVPLN     -DTVP0463
 13   KPLO-TV  RELIANCE SD              372.6  APP    USERRECORD-01
 Proposal causes no interference

################################################################################

     Analysis of Interference to Affected Station  11


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KHGI-TV    KEARNEY NE               DTVPLN    -DTVP0445

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KUON-TV  LINCOLN NE               209.6  CP MOD BMPEDT     -20080620AKC
 12   KUON-TV  LINCOLN NE               209.6  PLN    DTVPLN     -DTVP0380
 12   KSNK     MCCOOK NE                180.7  LIC    BLCDT      -20031017ABP
 12   KSNK     MCCOOK NE                180.7  PLN    DTVPLN     -DTVP0381
 13   KUPK-TV  GARDEN CITY KS           368.5  CP MOD BMPCDT     -20080609ACN
 13   KUPK-TV  GARDEN CITY KS           368.6  PLN    DTVPLN     -DTVP0427
 13   WIBW-TV  TOPEKA KS                302.6  CP     BPCDT      -20090629ADA
 13   WIBW-TV  TOPEKA KS                302.6  PLN    DTVPLN     -DTVP0429
 13   KTNE-TV  ALLIANCE NE              373.8  CP MOD BMPEDT     -20080620AJD
 13   KTNE-TV  ALLIANCE NE              373.7  PLN    DTVPLN     -DTVP0444
 13   KTNE-TV  ALLIANCE NE              373.8  LIC    BLEDT      -20081126AMF
 13   KHGI-DR  KEARNEY NE                 0.0  APP    BPRM       -20080715AFI
 13   KPLO-TV  RELIANCE SD              372.6  PLN    DTVPLN     -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD           371.6  CP     BPCDT      -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD           371.6  PLN    DTVPLN     -DTVP0463
 13   KPLO-TV  RELIANCE SD              372.6  APP    USERRECORD-01
 Proposal causes no interference
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 18)

```
################################################################################

     Analysis of Interference to Affected Station  12


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KHGI-DR    KEARNEY NE               BPRM      -20080715AFI

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 12   KUON-TV  LINCOLN NE               209.6  CP MOD BMPEDT     -20080620AKC
 12   KUON-TV  LINCOLN NE               209.6  PLN    DTVPLN     -DTVP0380
 12   KSNK     MCCOOK NE                180.7  LIC    BLCDT      -20031017ABP
 12   KSNK     MCCOOK NE                180.7  PLN    DTVPLN     -DTVP0381
 13   KUPK-TV  GARDEN CITY KS           368.5  CP MOD BMPCDT     -20080609ACN
 13   KUPK-TV  GARDEN CITY KS           368.6  PLN    DTVPLN     -DTVP0427
 13   WIBW-TV  TOPEKA KS                302.6  CP     BPCDT      -20090629ADA
 13   WIBW-TV  TOPEKA KS                302.6  PLN    DTVPLN     -DTVP0429
 13   KTNE-TV  ALLIANCE NE              373.8  CP MOD BMPEDT     -20080620AJD
 13   KTNE-TV  ALLIANCE NE              373.7  PLN    DTVPLN     -DTVP0444
 13   KTNE-TV  ALLIANCE NE              373.8  LIC    BLEDT      -20081126AMF
 13   KHGI-TV  KEARNEY NE                 0.0  CP     BPCDT      -20090730AAJ
 13   KHGI-TV  KEARNEY NE                 0.0  PLN    DTVPLN     -DTVP0445
 13   KPLO-TV  RELIANCE SD              372.6  PLN    DTVPLN     -DTVP0462
 13   KSFY-TV  SIOUX FALLS SD           371.6  CP     BPCDT      -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD           371.6  PLN    DTVPLN     -DTVP0463
 13   KPLO-TV  RELIANCE SD              372.6  APP    USERRECORD-01
 Proposal causes no interference

################################################################################

     Analysis of Interference to Affected Station  13


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KHGI-CA    NORTH PLATTE NE          BLTTV     -19891010JS

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 13   KUPK-TV  GARDEN CITY KS           388.1  CP MOD BMPCDT     -20080609ACN
 13   KUPK-TV  GARDEN CITY KS           388.2  PLN    DTVPLN     -DTVP0427
 13   KTNE-TV  ALLIANCE NE              206.4  CP MOD BMPEDT     -20080620AJD
 13   KTNE-TV  ALLIANCE NE              206.4  PLN    DTVPLN     -DTVP0444
 13   KTNE-TV  ALLIANCE NE              206.4  LIC    BLEDT      -20081126AMF
 13   KHGI-TV  KEARNEY NE               167.7  CP     BPCDT      -20090730AAJ
 13   KHGI-TV  KEARNEY NE               167.7  PLN    DTVPLN     -DTVP0445
 13   KHGI-DR  KEARNEY NE               167.7  APP    BPRM       -20080715AFI
 13   KPLO-TV  RELIANCE SD              327.8  PLN    DTVPLN     -DTVP0462
 13   KPLO-TV  RELIANCE SD              327.8  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

################################################################################
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 13 of 18)

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	KPSD-TV	EAGLE BUTTE SD	BMPEDT -20080618ACN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KXMB-TV	BISMARCK ND	204.4	PLN	DTVPLN	-DTVP0378
12	KXMB-TV	BISMARCK ND	204.7	CP	BPCDT	-20080320ABC
13	KXMC-TV	MINOT ND	340.4	CP	BPCDT	-20080320AEJ
13	KXMC-TV	MINOT ND	340.4	PLN	DTVPLN	-DTVP0443
13	KTNE-TV	ALLIANCE NE	362.8	CP MOD	BMPEDT	-20080620AJD
13	KTNE-TV	ALLIANCE NE	362.9	PLN	DTVPLN	-DTVP0444
13	KTNE-TV	ALLIANCE NE	362.8	LIC	BLEDT	-20081126AMF
13	KPLO-TV	RELIANCE SD	243.0	PLN	DTVPLN	-DTVP0462
13	KSGW-TV	SHERIDAN WY	385.4	PLN	DTVPLN	-DTVP0480
13	KSGW-TV	SHERIDAN WY	385.4	LIC	BLCDT	-20051206AEI
13	KPLO-TV	RELIANCE SD	243.0	APP	USERRECORD	-01

Total scenarios = 12

Result key: 63
Scenario 3 Affected station 14
Before Analysis

Results for: 13A SD EAGLE BUTTE BMPEDT 20080618ACN CP
HAAT 516.0 m, ATV ERP 27.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20890	42490.9
not affected by terrain losses	19473	40123.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	683	1356.8
lost to ATV IX only	683	1356.8
lost to all IX	683	1356.8

Potential Interfering Stations Included in above Scenario 3

13A ND MINOT	BPCDT	20080320AEJ	CP
13A NE ALLIANCE	DTVPLN	DTVP0444	PLN
13A WY SHERIDAN	DTVPLN	DTVP0480	PLN
13A SD RELIANCE	DTVPLN	DTVP0462	PLN

After Analysis

Results for: 13A SD EAGLE BUTTE BMPEDT 20080618ACN CP
HAAT 516.0 m, ATV ERP 27.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20890	42490.9
not affected by terrain losses	19473	40123.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	775	1884.2
lost to ATV IX only	775	1884.2
lost to all IX	775	1884.2

Potential Interfering Stations Included in above Scenario 3

13A ND MINOT	BPCDT	20080320AEJ	CP
13A NE ALLIANCE	DTVPLN	DTVP0444	PLN
13A WY SHERIDAN	DTVPLN	DTVP0480	PLN

13A SD RELIANCE USERRECORD01 APP

Percent new IX = 0.4896%

Worst case new IX 0.4896% Scenario 3

##

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	KPSD-TV	EAGLE BUTTE SD	DTVPLN -DTVP0461

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KXMB-TV	BISMARCK ND	204.2	PLN	DTVPLN	-DTVP0378
12	KXMB-TV	BISMARCK ND	204.4	CP	BPCDT	-20080320ABC
13	KXMC-TV	MINOT ND	340.2	CP	BPCDT	-20080320AEJ
13	KXMC-TV	MINOT ND	340.2	PLN	DTVPLN	-DTVP0443
13	KTNE-TV	ALLIANCE NE	363.0	CP MOD	BMPEDT	-20080620AJD
13	KTNE-TV	ALLIANCE NE	363.1	PLN	DTVPLN	-DTVP0444
13	KTNE-TV	ALLIANCE NE	363.0	LIC	BLEDT	-20081126AMF
13	KPLO-TV	RELIANCE SD	243.0	PLN	DTVPLN	-DTVP0462
13	KSGW-TV	SHERIDAN WY	385.6	PLN	DTVPLN	-DTVP0480
13	KSGW-TV	SHERIDAN WY	385.6	LIC	BLCDT	-20051206AEI
13	KPLO-TV	RELIANCE SD	243.0	APP	USERRECORD	-01

Total scenarios = 12

Result key: 73
Scenario 1 Affected station 15
Before Analysis

Results for: 13A SD EAGLE BUTTE DTVPLN DTVP0461 PLN
HAAT 518.0 m, ATV ERP 21.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19819	40824.2
not affected by terrain losses	19079	38441.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	578	1312.4
lost to ATV IX only	578	1312.4
lost to all IX	578	1312.4

Potential Interfering Stations Included in above Scenario 1

13A ND MINOT	BPCDT	20080320AEJ	CP
13A NE ALLIANCE	BMPEDT	20080620AJD	CP
13A WY SHERIDAN	DTVPLN	DTVP0480	PLN
13A SD RELIANCE	DTVPLN	DTVP0462	PLN

After Analysis

Results for: 13A SD EAGLE BUTTE DTVPLN DTVP0461 PLN
HAAT 518.0 m, ATV ERP 21.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19819	40824.2
not affected by terrain losses	19079	38441.0

```
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV         657       1787.4
   lost to ATV IX only                  657       1787.4
   lost to all IX                       657       1787.4

 Potential Interfering Stations Included in above Scenario     1

13A ND MINOT               BPCDT     20080320AEJ  CP
13A NE ALLIANCE            BMPEDT    20080620AJD  CP
13A WY SHERIDAN            DTVPLN    DTVP0480     PLN
13A SD RELIANCE            USERRECORD01           APP

Percent new IX =    0.4270%

Worst case new IX    0.4270% Scenario      1

########################################################################


     Analysis of Interference to Affected Station  16


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KSFY-TV    SIOUX FALLS SD           BPCDT     -20080408AEO

     Stations Potentially Affecting This Station

Chan   Call      City/State            Dist(km) Status  Application Ref. No.
 12   KEYC-TV  MANKATO MN               176.8  PLN    DTVPLN    -DTVP0370
 12   KEYC-TV  MANKATO MN               176.8  CP MOD BMPCDT    -20080620AHS
 12   KTTM     HURON SD                 161.4  LIC    BLCDT     -20081204AFD
 12   KTTM     HURON SD                 161.4  PLN    DTVPLN    -DTVP0394
 13   WHO-DT   DES MOINES IA            305.0  CP MOD BMPCDT    -20080620AIM
 13   WHO-TV   DES MOINES IA            303.5  PLN    DTVPLN    -DTVP0422
 13   KFME     FARGO ND                 391.8  CP MOD BMPEDT    -20081030ABJ
 13   KFME     FARGO ND                 391.8  PLN    DTVPLN    -DTVP0442
 13   KHGI-TV  KEARNEY NE               371.6  CP     BPCDT     -20090730AAJ
 13   KHGI-TV  KEARNEY NE               371.6  PLN    DTVPLN    -DTVP0445
 13   KHGI-DR  KEARNEY NE               371.6  APP    BPRM      -20080715AFI
 13   KPLO-TV  RELIANCE SD              251.3  PLN    DTVPLN    -DTVP0462
 13   KPLO-TV  RELIANCE SD              251.3  APP    USERRECORD-01

 Total scenarios =   96

Result key:       90
Scenario         6  Affected station       16
Before Analysis

Results for: 13A SD SIOUX FALLS          BPCDT     20080408AEO  CP
   HAAT  610.0 m, ATV ERP   22.7 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      620447      45466.4
   not affected by terrain losses    574971      43718.7
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV       42060       2611.4
   lost to ATV IX only                42060       2611.4
   lost to all IX                     42060       2611.4

 Potential Interfering Stations Included in above Scenario     6

12A MN MANKATO             DTVPLN    DTVP0370     PLN
```



```
12A SD HURON               BLCDT     20081204AFD  LIC
13A IA DES MOINES          DTVPLN    DTVP0422     PLN
13A ND FARGO               BMPEDT    20081030ABJ  CP
13A NE KEARNEY             DTVPLN    DTVP0445     PLN
13A SD RELIANCE            DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A SD SIOUX FALLS          BPCDT     20080408AEO  CP
   HAAT  610.0 m, ATV ERP   22.7 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      620447      45466.4
   not affected by terrain losses    574971      43718.7
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV       38570       1447.7
   lost to ATV IX only                38570       1447.7
   lost to all IX                     38570       1447.7

 Potential Interfering Stations Included in above Scenario     6

12A MN MANKATO             DTVPLN    DTVP0370     PLN
12A SD HURON               BLCDT     20081204AFD  LIC
13A IA DES MOINES          DTVPLN    DTVP0422     PLN
13A ND FARGO               BMPEDT    20081030ABJ  CP
13A NE KEARNEY             DTVPLN    DTVP0445     PLN
13A SD RELIANCE            USERRECORD01           APP

Percent new IX =   -0.6549%

Worst case new IX   -0.6549% Scenario      6

########################################################################


     Analysis of Interference to Affected Station  17


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KSFY-TV    SIOUX FALLS SD           DTVPLN    -DTVP0463

     Stations Potentially Affecting This Station

Chan   Call      City/State            Dist(km) Status  Application Ref. No.
 12   KEYC-TV  MANKATO MN               176.8  PLN    DTVPLN    -DTVP0370
 12   KEYC-TV  MANKATO MN               176.8  CP MOD BMPCDT    -20080620AHS
 12   KTTM     HURON SD                 161.4  LIC    BLCDT     -20081204AFD
 12   KTTM     HURON SD                 161.4  PLN    DTVPLN    -DTVP0394
 13   WHO-DT   DES MOINES IA            305.0  CP MOD BMPCDT    -20080620AIM
 13   WHO-TV   DES MOINES IA            303.5  PLN    DTVPLN    -DTVP0422
 13   KFME     FARGO ND                 391.8  CP MOD BMPEDT    -20081030ABJ
 13   KFME     FARGO ND                 391.8  PLN    DTVPLN    -DTVP0442
 13   KHGI-TV  KEARNEY NE               371.6  CP     BPCDT     -20090730AAJ
 13   KHGI-TV  KEARNEY NE               371.6  PLN    DTVPLN    -DTVP0445
 13   KHGI-DR  KEARNEY NE               371.6  APP    BPRM      -20080715AFI
 13   KPLO-TV  RELIANCE SD              251.3  PLN    DTVPLN    -DTVP0462
 13   KPLO-TV  RELIANCE SD              251.3  APP    USERRECORD-01

 Total scenarios =   96

Result key:      185
Scenario         5  Affected station       17
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 17 of 18)

```
Before Analysis

Results for: 13A SD SIOUX FALLS          DTVPLN    DTVP0463     PLN
   HAAT  610.0 m, ATV ERP   22.7 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      618464       45430.7
   not affected by terrain losses    580385       43715.1
   lost to NTSC IX                        0           0.0
   lost to additional IX by ATV       38538        2615.5
   lost to ATV IX only                38538        2615.5
   lost to all IX                     38538        2615.5

 Potential Interfering Stations Included in above Scenario     5

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A SD HURON                BLCDT     20081204AFD  LIC
13A IA DES MOINES           DTVPLN    DTVP0422     PLN
13A ND FARGO                BMPEDT    20081030ABJ  CP
13A NE KEARNEY              BPCDT     20090730AAJ  CP
13A SD RELIANCE             DTVPLN    DTVP0462     PLN

After Analysis

Results for: 13A SD SIOUX FALLS          DTVPLN    DTVP0463     PLN
   HAAT  610.0 m, ATV ERP   22.7 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      618464       45430.7
   not affected by terrain losses    580385       43715.1
   lost to NTSC IX                        0           0.0
   lost to additional IX by ATV       35094        1439.7
   lost to ATV IX only                35094        1439.7
   lost to all IX                     35094        1439.7

 Potential Interfering Stations Included in above Scenario     5

12A MN MANKATO              DTVPLN    DTVP0370     PLN
12A SD HURON                BLCDT     20081204AFD  LIC
13A IA DES MOINES           DTVPLN    DTVP0422     PLN
13A ND FARGO                BMPEDT    20081030ABJ  CP
13A NE KEARNEY              BPCDT     20090730AAJ  CP
13A SD RELIANCE             USERRECORD01           APP

Percent new IX =   -0.6356%

Worst case new IX   -0.6356% Scenario      5

################################################################################


     Analysis of Interference to Affected Station  18


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   13      KPLO-TV    RELIANCE SD              USERRECORD-01

     Stations Potentially Affecting This Station

Chan   Call      City/State          Dist(km) Status  Application Ref. No.
 12   KRNE-TV  MERRIMAN NE             222.6  PLN     DTVPLN     -DTVP0382
 12   KRNE-TV  MERRIMAN NE             222.6  CP MOD  BMPEDT     -20080620ABD
 12   KTTM     HURON SD                105.7  LIC     BLCDT      -20081204AFD
```

Table 2 KPLO-TV STA OET Bulletin 69 Interference Study
(worst-case scenarios shown page 18 of 18)

```
 12   KTTM     HURON SD                105.7  PLN     DTVPLN     -DTVP0394
 13   KFME     FARGO ND                387.1  CP MOD  BMPEDT     -20081030ABJ
 13   KFME     FARGO ND                387.2  PLN     DTVPLN     -DTVP0442
 13   KTNE-TV  ALLIANCE NE             367.1  CP MOD  BMPEDT     -20080620AJD
 13   KTNE-TV  ALLIANCE NE             367.1  PLN     DTVPLN     -DTVP0444
 13   KTNE-TV  ALLIANCE NE             367.1  LIC     BLEDT      -20081126AMF
 13   KHGI-TV  KEARNEY NE              372.6  CP      BPCDT      -20090730AAJ
 13   KHGI-TV  KEARNEY NE              372.6  PLN     DTVPLN     -DTVP0445
 13   KHGI-DR  KEARNEY NE              372.6  APP     BPRM       -20080715AFI
 13   KPSD-TV  EAGLE BUTTE SD          243.0  CP MOD  BMPEDT     -20080618ACN
 13   KPSD-TV  EAGLE BUTTE SD          243.0  PLN     DTVPLN     -DTVP0461
 13   KSFY-TV  SIOUX FALLS SD          251.3  CP      BPCDT      -20080408AEO
 13   KSFY-TV  SIOUX FALLS SD          251.3  PLN     DTVPLN     -DTVP0463

 Total scenarios =   96


Result key:      277
Scenario        1  Affected station       18
Before Analysis

Results for: 13A SD RELIANCE             USERRECORD01           APP
   HAAT  231.0 m, ATV ERP   40.0 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour       46373       25417.4
   not affected by terrain losses     45081       24290.4
   lost to NTSC IX                        0           0.0
   lost to additional IX by ATV        1462        1415.9
   lost to ATV IX only                 1462        1415.9
   lost to all IX                      1462        1415.9

 Potential Interfering Stations Included in above Scenario     1

12A SD HURON                BLCDT     20081204AFD  LIC
13A ND FARGO                BMPEDT    20081030ABJ  CP
13A NE KEARNEY              BPCDT     20090730AAJ  CP
13A SD EAGLE BUTTE          BMPEDT    20080618ACN  CP
13A SD SIOUX FALLS          BPCDT     20080408AEO  CP


################################################################################

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
```