

## **ENGINEERING STATEMENT**

### **Request for Special Temporary Authorization** prepared for

**Gray Television Licensee, Inc.**  
WIFR-DT Freeport, IL  
Facility ID 4689

*Gray Television Licensee, Inc.* (“Gray”) is the licensee of television station WIFR(TV), analog Channel 23 and digital Channel 41, Freeport, IL. This statement supports *Gray*’s request for Special Temporary Authority (“STA”) to temporarily operate the post-transition digital WIFR-DT facility on its pre-transition channel. This statement supplies interference analysis results as well as coverage and population data as specified in the Report and Order in the Third Periodic Review.<sup>1</sup>

A construction permit (BPCDT-20080613AAB) authorizes WIFR-DT to operate its post-transition digital facility on Channel 23, its current analog channel. This channel was established in Appendix B of the Seventh Report and Order in MB Docket 87-278. Additionally, a *Notice of Proposed Rulemaking* has been issued<sup>2</sup> in MB Docket 08-135 which would change WIFR-DT’s post-transition channel to Channel 41, which is its pre-transition digital channel. Pending the outcome of Docket 08-135, *Gray* herein seeks an STA to permit continued use of its authorized pre-transition digital Channel 41 facility into the post-transition period.

The authorized pre-transition digital operation involves an effective radiated power (“ERP”) of 53 kW at 220 meters antenna height above average terrain (“HAAT”), with a nondirectional antenna. License application BLCDT-20050725AAL is pending for this facility, to cover the facilities authorized in construction permit BMPCDT-20050103AFQ. The proposed STA facility will operate with the currently authorized Channel 41 facility.

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<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.

<sup>2</sup>*Amendment of Section 73.622(i), Final DTV Table of Allotments, Television Broadcast Stations (Freeport, Illinois)*, MB Docket 08-135, DA 08-1599, Released July 8, 2008.

A contour comparison map is supplied as **Figure 1**, showing the coverage contours associated with the authorized digital Channel 41 and licensed analog Channel 23 facilities. Population counts using OET Bulletin 69<sup>3</sup> analysis for the transition period show that the licensed WIFR analog Channel 23 facility's service population is 736,857 persons and the authorized WIFR-DT Channel 41's service population is 892,932 persons. The proposed post-transition STA operation of WIFR-DT with its pre-transition facility on Channel 41 would serve 868,232 persons in the post-transition period. Despite no change in WIFR-DT technical parameters, the digital population decreases slightly from pre-transition levels since incoming interference levels are changed with the introduction of other nearby post-transition facilities. The proposed STA facility would continue to provide service to all areas that presently receive analog and digital service from WIFR, as shown on **Figure 1**.

A detailed interference study per OET Bulletin 69 shows that the proposal 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 1**. Protection requirements towards authorized Class A stations are also satisfied.

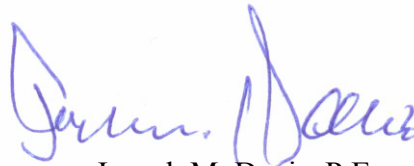
The proposed STA operation complies with the FCC's limits concerning human exposure to RF energy. Based on OET-65 equation (10), and considering 25 percent antenna relative field in downward elevations (pattern data shows less than 25 percent relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is  $2.5 \mu\text{W}/\text{cm}^2$ , which is 0.6 percent of the general population/uncontrolled maximum permitted exposure limit. This is 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

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<sup>3</sup>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.

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.

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.

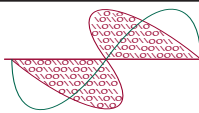


Joseph M. Davis, P.E.  
August 13, 2008

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

List of Attachments

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



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

Dan  
**Madison**

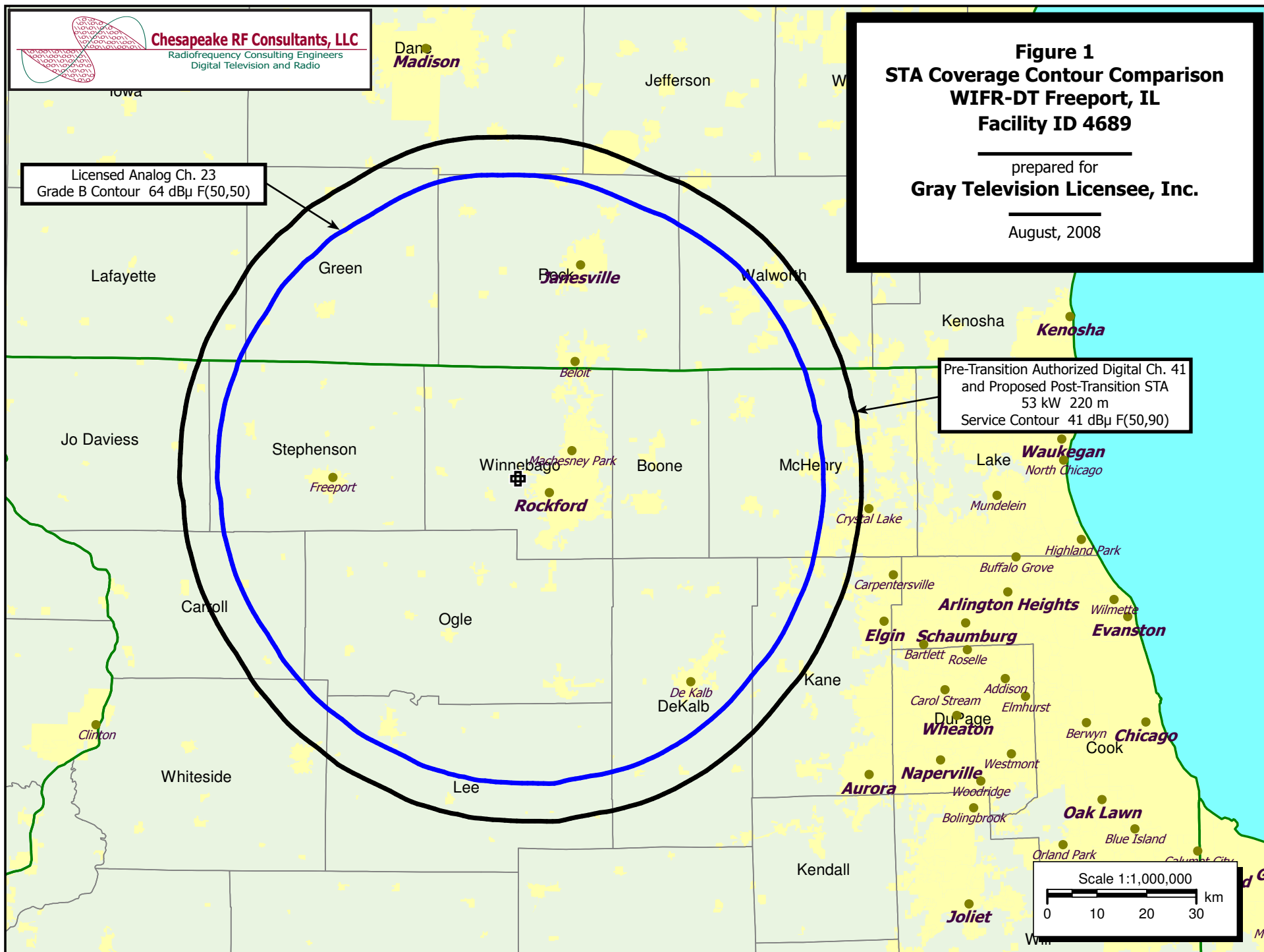
**Figure 1**  
**STA Coverage Contour Comparison**  
**WIFR-DT Freeport, IL**  
**Facility ID 4689**

prepared for  
**Gray Television Licensee, Inc.**

August, 2008

Licensed Analog Ch. 23  
Grade B Contour 64 dBμ F(50,50)

Pre-Transition Authorized Digital Ch. 41  
and Proposed Post-Transition STA  
53 kW 220 m  
Service Contour 41 dBμ F(50,90)



**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 1 of 20)

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-13-2008 Time: 15:08:47

Record Selected for Analysis

WIFR-DT USERRECORD-01 FREEPORT IL US  
Channel 41 ERP 53. kW HAAT 220. m RCAMSL 00463 m  
Latitude 042-17-48 Longitude 0089-10-15  
Status APP Zone 1 Border  
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)	41.0 dBu F(50,90) (km)
0.0	53.000	219.4	68.8
45.0	53.000	226.4	69.3
90.0	53.000	224.8	69.2
135.0	53.000	230.6	69.6
180.0	53.000	222.1	69.0
225.0	53.000	202.9	67.6
270.0	53.000	210.9	68.2
315.0	53.000	220.9	68.9

Evaluation toward Class A Stations

Contour overlap to Class A station  
WOCH-CA 41 CHICAGO IL BLTTA 20060103ACT

Contour overlap to Class A station  
WOCH-CA 41 CHICAGO IL BPTTA 20050127ALO

Contour overlap to Class A station  
WOCH-CA 41 CHICAGO IL BSTA 20060109ACO

Contour overlap to Class A station  
WMLW-CA 41 MILWAUKEE WI BLTTA 20021002AAA

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

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 2 of 20)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
41	WIFR-DT	FREEPORT IL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WEDE-CA	ARLINGTON HEIGHTS IL	134.8	LIC	BLTTA	-20050308AAS
40	WPXE	KENOSHA WI	136.3	LIC	BLCDT	-20040206AAT
40	WPXE	KENOSHA WI	136.3	PLN	DTVPLN	-DTVP1458
41	KGCW-TV	BURLINGTON IA	187.4	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	187.4	PLN	DTVPLN	-DTVP1468
41	WICD	CHAMPAIGN IL	269.0	CP MOD	BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	269.0	PLN	DTVPLN	-DTVP1470
41	WOCH-CA	CHICAGO IL	135.1	LIC	BLTTA	-20060103ACT
41	WOCH-CA	CHICAGO IL	135.1	APP	BPTTA	-20050127ALO
41	WOCH-CA	CHICAGO IL	135.1	APP	BSTA	-20060109ACO
41	WGBA	GREEN BAY WI	248.6	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	248.6	PLN	DTVPLN	-DTVP1488
41	WGBA	GREEN BAY WI	248.6	APP	BMPCDT	-20080620AEI
41	WMLW-CA	MILWAUKEE WI	135.9	LIC	BLTTA	-20021002AAA
42	WQRF-TV	ROCKFORD IL	1.0	CP MOD	BMPCDT	-20070207ABW
42	WQRF-TV	ROCKFORD IL	0.9	PLN	DTVPLN	-DTVP1499
48	WMEU-CA	BLUE ISLAND IL	137.8	LIC	BLTTA	-20041008AAN
48	WMEU-CA	CHICAGO IL	134.8	APP	BPTTA	-20080804ABH

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Analysis of Interference to Affected Station 1

Analysis of current record  
Channel Call City/State Application Ref. No.  
34 WEDE-CA ARLINGTON HEIGHTS IL BLTTA -20050308AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WCIU-TV	CHICAGO IL	0.0	APP	BPCDT	-20080619ACH
27	WCIU-TV	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP0998
27	WCIU-TV	CHICAGO IL	0.0	CP MOD	BMPCDT	-20021202ABR
31	WFLD	CHICAGO IL	0.0	CP	BPCDT	-20080616AAN
31	WFLD	CHICAGO IL	0.0	PLN	DTVPLN	-DTVP1142
31	WFLD	CHICAGO IL	0.0	LIC	BLCDT	-20050606ABF
34	KQIN	DAVENPORT IA	236.6	APP	BPEDT	-20080620AIO
34	KQIN	DAVENPORT IA	236.6	PLN	DTVPLN	-DTVP1249
34	KQIN	DAVENPORT IA	236.6	CP MOD	BMPCDT	-20070809AAX
34	W34DL	CHAMPAIGN IL	196.0	LIC	BLTT	-20050921AHY
34	WQEC	QUINCY IL	373.8	LIC	BLEDT	-20040715ADL
34	WQEC	QUINCY IL	373.8	PLN	DTVPLN	-DTVP1252
34	WNIT	SOUTH BEND IN	123.0	APP	BSTA	-20080307ACN
34	WNIT	SOUTH BEND IN	123.0	LIC	BLET	-19910307KE
34	WMYS-LP	SOUTH BEND IN	123.8	APP	BDISTTL	-20080728AAX
34	WHTV	JACKSON MI	282.7	CP MOD	BMPCDT	-20070125ACI
34	WHTV	JACKSON MI	263.4	PLN	DTVPLN	-DTVP1255
34	WHTV	JACKSON MI	282.7	APP	BPCDT	-20080620AGY

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 3 of 20)

34	WISN-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	139.1	PLN	DTVPLN	-DTVPI278
35	WWTO-TV	LA SALLE IL	126.9	LIC	BLCT	-19861212LH
35	WNIT	SOUTH BEND IN	123.6	LIC	BLEDT	-20040106ABJ
35	WNIT	SOUTH BEND IN	123.6	PLN	DTVPLN	-DTVPI291
36	WJYS	HAMMOND IN	0.0	LIC	BLCDT	-20020801ABI
36	WJYS	HAMMOND IN	0.0	PLN	DTVPLN	-DTVPI326
36	WJYS	HAMMOND IN	0.0	CP	BPCT	-20080619AIZ
38	WGBO-TV	JOLIET IL	2.5	CP MOD	BMPCDT	-20080618AEI
38	WGBO-TV	JOLIET IL	2.5	PLN	DTVPLN	-DTVPI364
41	WIFR-DR	FREEPORT IL	134.8	APP	BPRM	-20080620AOH
42	WQRF-TV	ROCKFORD IL	134.5	CP MOD	BMPCDT	-20070207ABW
42	WQRF-TV	ROCKFORD IL	134.1	PLN	DTVPLN	-DTVPI499
42	WNDU-TV	SOUTH BEND IN	121.9	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.9	PLN	DTVPLN	-DTVPI502
42	WNDU-TV	SOUTH BEND IN	121.9	APP	BPCT	-20080619AAB
48	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	126.4	PLN	DTVPLN	-DTVPI708
48	WHME-TV	SOUTH BEND IN	126.4	APP	BPCT	-20080619ABC
48	WBME-TV	RACINE WI	109.8	LIC	BLMCDT	-20070823AED
48	WBME-TV	RACINE WI	136.1	PLN	DTVPLN	-DTVPI726
48	WBME-TV	RACINE WI	139.1	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	139.1	APP	BMPCDT	-20080620ACE
49	WOCH-CA	CHICAGO IL	2.5	APP	BDISDTA	-20080605ABA
49	WAAA-LP	WESTVILLE IN	64.5	LIC	BLTTL	-20070621AAG
49	WBME-TV	RACINE WI	139.1	APP	BPCT	-20070921ACJ
49	WBME-TV	RACINE WI	139.1	APP	BSTA	-20071025AAQ
49	WBME-TV	RACINE WI	109.9	LIC	BLMCT	-20070823AEF
41	WIFR-DT	FREEPORT IL	134.8	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 2

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WPXE	KENOSHA WI	BLCDT -20040206AAT

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WFRV-TV	GREEN BAY WI	137.8	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	137.8	PLN	DTVPLN -DTVPI423
40	WFWA	FORT WAYNE IN	314.8	LIC	BLEDT -20041112ACP
40	WFWA	FORT WAYNE IN	314.8	PLN	DTVPLN -DTVPI436
40	WFWA	FORT WAYNE IN	314.8	APP	BPEDT -20080617ADU
40	WKAR-TV	EAST LANSING MI	287.6	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	287.5	PLN	DTVPLN -DTVPI441
40	WKAR-TV	EAST LANSING MI	287.6	APP	BMPCDT -20080207AIJ
41	WIFR-DR	FREEPORT IL	136.3	APP	BPRM -20080620AOH
41	WGBA	GREEN BAY WI	140.5	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	140.5	PLN	DTVPLN -DTVPI488
41	WGBA	GREEN BAY WI	140.5	APP	BMPCDT -20080620AEI
41	WIFR-DT	FREEPORT IL	136.3	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 3

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 4 of 20)

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WPXE	KENOSHA WI	DTVPLN -DTVPI458

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WFRV-TV	GREEN BAY WI	137.8	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	137.8	PLN	DTVPLN -DTVPI423
40	WFWA	FORT WAYNE IN	314.8	LIC	BLEDT -20041112ACP
40	WFWA	FORT WAYNE IN	314.8	PLN	DTVPLN -DTVPI436
40	WFWA	FORT WAYNE IN	314.8	APP	BPEDT -20080617ADU
40	WKAR-TV	EAST LANSING MI	287.6	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	287.5	PLN	DTVPLN -DTVPI441
40	WKAR-TV	EAST LANSING MI	287.6	APP	BMPCDT -20080620AIJ
41	WIFR-DR	FREEPORT IL	136.3	APP	BPRM -20080620AOH
41	WGBA	GREEN BAY WI	140.5	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	140.5	PLN	DTVPLN -DTVPI488
41	WGBA	GREEN BAY WI	140.5	APP	BMPCDT -20080620AEI
41	WIFR-DT	FREEPORT IL	136.3	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	BMPCDT -20080619AJN

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WICD	CHAMPAIGN IL	271.6	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	271.6	PLN	DTVPLN -DTVPI470
41	WIFR-DR	FREEPORT IL	187.4	APP	BPRM -20080620AOH
41	KMCI	LAWRENCE KS	397.3	CP MOD	BMPCDT -20080618ABG
41	KMCI	LAWRENCE KS	397.3	PLN	DTVPLN -DTVPI471
41	WGBA	GREEN BAY WI	426.1	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	426.1	PLN	DTVPLN -DTVPI488
41	WGBA	GREEN BAY WI	426.1	APP	BMPCDT -20080620AEI
42	WQRF-TV	ROCKFORD IL	186.7	CP MOD	BMPCDT -20070207ABW
42	WQRF-TV	ROCKFORD IL	187.3	PLN	DTVPLN -DTVPI499
42	WICS	SPRINGFIELD IL	186.7	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	186.7	PLN	DTVPLN -DTVPI500
41	WIFR-DT	FREEPORT IL	187.4	APP	USERRECORD-01

Total scenarios = 12

Result key: 1

Scenario 1 Affected station 4  
Before Analysis

Results for: 41A IA BURLINGTON BMPCDT 20080619AJN CP  
HAAT 388.0 m, ATV ERP 615.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	947801	31375.8
not affected by terrain losses	945758	31303.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3101	256.9

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 5 of 20)

lost to ATV IX only	3101	256.9
lost to all IX	3101	256.9

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC

After Analysis

Results for: 41A IA BURLINGTON	BMPCDT	20080619AJN	CP
HAAT 388.0 m, ATV ERP 615.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	947801	31375.8	
not affected by terrain losses	945758	31303.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	5825	337.2	
lost to ATV IX only	5825	337.2	
lost to all IX	5825	337.2	

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.2890%

Worst case new IX 0.2890% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	DTVPLN -DTVPl468

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WICD	CHAMPAIGN IL	271.6	CP MOD BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	271.6	PLN DTVPLN	-DTVPl470
41	WIFR-DR	FREEPORT IL	187.4	APP BPRM	-20080620AOH
41	KMCI	LAWRENCE KS	397.3	CP MOD BMPCDT	-20080618ABG
41	KMCI	LAWRENCE KS	397.3	PLN DTVPLN	-DTVPl471
41	WGBA	GREEN BAY WI	426.1	CP MOD BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	426.1	PLN DTVPLN	-DTVPl488
41	WGBA	GREEN BAY WI	426.1	APP BMPCDT	-20080620AEI
42	WQRF-TV	ROCKFORD IL	186.7	CP MOD BMPCDT	-20070207ABW
42	WQRF-TV	ROCKFORD IL	187.3	PLN DTVPLN	-DTVPl499
42	WICS	SPRINGFIELD IL	186.7	LIC BLCDT	-20050627AAI
42	WICS	SPRINGFIELD IL	186.7	PLN DTVPLN	-DTVPl500
41	WIFR-DT	FREEPORT IL	187.4	APP USERRECORD-01	

Total scenarios = 12

Result key: 13  
Scenario 1 Affected station 5  
Before Analysis

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 6 of 20)

Results for: 41A IA BURLINGTON	DTVPLN	DTVPl468	PLN
HAAT 388.0 m, ATV ERP 500.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	859252	27031.8	
not affected by terrain losses	858646	26967.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3640	72.3	
lost to ATV IX only	3640	72.3	
lost to all IX	3640	72.3	

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC

After Analysis

Results for: 41A IA BURLINGTON	DTVPLN	DTVPl468	PLN
HAAT 388.0 m, ATV ERP 500.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	859252	27031.8	
not affected by terrain losses	858646	26967.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3678	84.3	
lost to ATV IX only	3678	84.3	
lost to all IX	3678	84.3	

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0044%

Worst case new IX 0.0044% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WICD	CHAMPAIGN IL	BMPCDT -20041215AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	271.6	CP MOD BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	271.6	PLN DTVPLN	-DTVPl468
41	WIFR-DR	FREEPORT IL	269.0	APP BPRM	-20080620AOH
41	WKPD	PADUCAH KY	337.3	LIC BLEDT	-20020304ALI
41	WKPD	PADUCAH KY	337.3	PLN DTVPLN	-DTVPl472
41	WHIO-TV	DAYTON OH	314.7	LIC BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	314.7	PLN DTVPLN	-DTVPl480
41	WHIO-TV	DAYTON OH	314.7	APP BPCDT	-20080619ACK
42	WICS	SPRINGFIELD IL	135.2	LIC BLCDT	-20050627AAI
42	WICS	SPRINGFIELD IL	135.2	PLN DTVPLN	-DTVPl500
42	WCLJ-TV	BLOOMINGTON IN	168.1	CP BPCDT	-20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	168.1	PLN DTVPLN	-DTVPl501
42	WCLJ-TV	BLOOMINGTON IN	168.1	APP BPCDT	-20080618ATP
42	WNDU-TV	SOUTH BEND IN	222.6	LIC BLCDT	-20060717AAG

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 7 of 20)

42	WNDU-TV	SOUTH BEND IN	222.6	PLN	DTVPLN	-DTVPI502
42	WNDU-TV	SOUTH BEND IN	222.6	APP	BPCDT	-20080619AAB
41	WIFR-DT	FREEPORT IL	269.0	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WICD	CHAMPAIGN IL	DTVPLN	-DTVPI470

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KGCW-TV	BURLINGTON IA	271.6	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	271.6	PLN	DTVPLN	-DTVPI468
41	WIFR-DR	FREEPORT IL	269.0	APP	BPRM	-20080620AOH
41	WKPD	PADUCAH KY	337.3	LIC	BLEDT	-20020304ALI
41	WKPD	PADUCAH KY	337.3	PLN	DTVPLN	-DTVPI472
41	WHIO-TV	DAYTON OH	314.7	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	314.7	PLN	DTVPLN	-DTVPI480
41	WHIO-TV	DAYTON OH	314.7	APP	BPCDT	-20080619ACK
42	WICS	SPRINGFIELD IL	135.2	LIC	BLCDT	-20050627AAI
42	WICS	SPRINGFIELD IL	135.2	PLN	DTVPLN	-DTVPI500
42	WCLJ-TV	BLOOMINGTON IN	168.1	CP	BPCDT	-20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	168.1	PLN	DTVPLN	-DTVPI501
42	WCLJ-TV	BLOOMINGTON IN	168.1	APP	BPCDT	-20080618ATP
42	WNDU-TV	SOUTH BEND IN	222.6	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	222.6	PLN	DTVPLN	-DTVPI502
42	WNDU-TV	SOUTH BEND IN	222.6	APP	BPCDT	-20080619AAB
41	WIFR-DT	FREEPORT IL	269.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WOCH-CA	CHICAGO IL	BLTTA	-20060103ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN	-DTVPI236
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDT	-20080620ANH
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA	-20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET	-19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVPI278
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDT	-20080618AEI
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN	-DTVPI364
40	W40BY	PALATINE IL	2.5	LIC	BLTT	-20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN	-DTVPI468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN	-DTVPI470
41	WIFR-DR	FREEPORT IL	135.1	APP	BPRM	-20080620AOH
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT	-19961120KE

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 8 of 20)

41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN	-DTVPI476
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVPI480
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDT	-20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVPI488
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDT	-20080620AEI
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVPI502
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDT	-20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVPI536
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
45	WSNS-TV	CHICAGO IL	2.5	APP	BPCDT	-20080620AMW
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVPI611
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVPI708
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDT	-20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WBME-TV	RACINE WI	134.1	PLN	DTVPLN	-DTVPI726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDT	-20080620ACE
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
41	WIFR-DT	FREEPORT IL	135.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WOCH-CA	CHICAGO IL	BPTTA	-20050127ALO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN	-DTVPI236
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDT	-20080620ANH
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA	-20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET	-19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVPI278
38	WGBO-TV	JOLIET IL	2.5	LIC	BLCT	-20050715ACC
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDT	-20080618AEI
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN	-DTVPI364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT	-19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT	-20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN	-DTVPI468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN	-DTVPI470



**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 9 of 20)

41	WIFR-DR	FREEPORT IL	135.1	APP	BPRM	-20080620AOH
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT	-19961120KE
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVP1480
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDT	-20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVP1488
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDT	-20080620AEI
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVP1502
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDT	-20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1536
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT	-20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	APP	BPCDT	-20080620AMW
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1611
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVP1708
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDT	-20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WBME-TV	RACINE WI	134.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDT	-20080620ACE
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
41	WIFR-DT	FREEPORT IL	135.1	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 10

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WOCH-CA	CHICAGO IL	BSTA	-20060109ACO

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN	-DTVP1236
33	WITI	MILWAUKEE WI	135.1	APP	BMPCDT	-20080620ANH
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA	-20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET	-19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVP1278
38	WCPX	CHICAGO IL	2.5	LIC	BLCT	-20050715ACC
38	WGBO-TV	JOLIET IL	0.0	CP MOD	BMPCDT	-20080618AEI
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN	-DTVP1364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT	-19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT	-20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP MOD	BMPCDT	-20080619AJN

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 10 of 20)

41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN	-DTVP1468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN	-DTVP1470
41	WIFR-DR	FREEPORT IL	135.1	APP	BPRM	-20080620AOH
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT	-19961120KE
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	365.7	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVP1480
41	WHIO-TV	DAYTON OH	372.1	APP	BPCDT	-20080619ACK
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVP1488
41	WGBA	GREEN BAY WI	274.9	APP	BMPCDT	-20080620AEI
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVP1502
42	WNDU-TV	SOUTH BEND IN	121.4	APP	BPCDT	-20080619AAB
43	WCPX	CHICAGO IL	1.1	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1536
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT	-20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	APP	BPCDT	-20080620AMW
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1611
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVP1708
48	WHME-TV	SOUTH BEND IN	125.9	APP	BPCDT	-20080619ABC
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WBME-TV	RACINE WI	134.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	137.1	APP	BMPCDT	-20080620ACE
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
41	WIFR-DT	FREEPORT IL	135.1	APP	USERRECORD-01	

Total scenarios = 14

Result key: 25

Scenario 1 Affected station 10  
Before Analysis

Results for: 41N IL CHICAGO	BSTA	20060109ACO	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5835032	4177.5	
not affected by terrain losses	5835032	4177.5	
lost to NTSC IX	126834	228.7	
lost to additional IX by ATV	0	0.0	
lost to all IX	126834	228.7	

Potential Interfering Stations Included in above Scenario 1

40N IL PALATINE	BLTT	20060419ACR	LIC
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
42N IL ARLINGTON HEIGHTS	BDISTT	20070709ACL	CP
44N IL CHICAGO	BLCT	20000110AAU	LIC
56N IN GARY	BMLET	20050811AAD	LIC

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 11 of 20)

45A IL CHICAGO DTVPLN DTVP1611 PLN

After Analysis

Results for: 41N IL CHICAGO BSTA 20060109ACO APP  
 POPULATION AREA (sq km)  
 within Noise Limited Contour 5835032 4177.5  
 not affected by terrain losses 5835032 4177.5  
 lost to NTSC IX 126834 228.7  
 lost to additional IX by ATV 0 0.0  
 lost to all IX 126834 228.7

Potential Interfering Stations Included in above Scenario 1

40N IL PALATINE BLTT 20060419ACR LIC  
 41N MI BATTLE CREEK BLCT 19961120KE LIC  
 42N IL ARLINGTON HEIGHTS BDISTT 20070709ACL CP  
 44N IL CHICAGO BLCT 20000110AAU LIC  
 56N IN GARY BMLET 20050811AAD LIC  
 45A IL CHICAGO DTVPLN DTVP1611 PLN  
 41A IL FREEPORT USERRECORD01 APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WGBA	GREEN BAY WI	BMPCDT	-20080207AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPXE	KENOSHA WI	140.5	LIC	BLCDT	-20040206AAT
40	WPXE	KENOSHA WI	140.5	PLN	DTVPLN	-DTVVP1458
41	KGCW-TV	BURLINGTON IA	426.1	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	426.1	PLN	DTVPLN	-DTVVP1468
41	WIFR-DR	FREEPORT IL	248.6	APP	BPRM	-20080620AOH
42	WPNE	GREEN BAY WI	5.9	LIC	BMLEDT	-20040818AAP
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN	-DTVVP1524
41	WIFR-DT	FREEPORT IL	248.6	APP	USERRECORD-01	

Total scenarios = 12

Result key: 39

Scenario 1 Affected station 11  
 Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080207AAN CP  
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7062	189.4
lost to ATV IX only	7062	189.4
lost to all IX	7062	189.4

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 12 of 20)

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA BLCDT 20040206AAT LIC  
 42A WI GREEN BAY BMLEDT 20040818AAP LIC

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080207AAN CP  
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	193.4
lost to ATV IX only	7196	193.4
lost to all IX	7196	193.4

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA BLCDT 20040206AAT LIC  
 42A WI GREEN BAY BMLEDT 20040818AAP LIC  
 41A IL FREEPORT USERRECORD01 APP

Percent new IX = 0.0126%

Worst case new IX 0.0126% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WGBA	GREEN BAY WI	DTVPLN	-DTVVP1488

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPXE	KENOSHA WI	140.5	LIC	BLCDT	-20040206AAT
40	WPXE	KENOSHA WI	140.5	PLN	DTVPLN	-DTVVP1458
41	KGCW-TV	BURLINGTON IA	426.1	CP MOD	BMPCDT	-20080619AJN
41	KGCW-TV	BURLINGTON IA	426.1	PLN	DTVPLN	-DTVVP1468
41	WIFR-DR	FREEPORT IL	248.6	APP	BPRM	-20080620AOH
42	WPNE	GREEN BAY WI	5.9	LIC	BMLEDT	-20040818AAP
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN	-DTVVP1524
41	WIFR-DT	FREEPORT IL	248.6	APP	USERRECORD-01	

Total scenarios = 12

Result key: 51

Scenario 1 Affected station 12  
 Before Analysis

Results for: 41A WI GREEN BAY DTVPLN DTVP1488 PLN  
 HAAT 321.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1093076	27263.3
not affected by terrain losses	1092967	27247.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8769	282.1

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 13 of 20)

lost to ATV IX only	8769	282.1	
lost to all IX	8769	282.1	
Potential Interfering Stations Included in above Scenario	1		
40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
After Analysis			
Results for: 41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
HAAT 321.0 m, ATV ERP 1000.0 kW			
within Noise Limited Contour	POPULATION 1093076	AREA (sq km) 27263.3	
not affected by terrain losses	1092967	27247.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	8769	282.1	
lost to ATV IX only	8769	282.1	
lost to all IX	8769	282.1	
Potential Interfering Stations Included in above Scenario	1		
40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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## Analysis of Interference to Affected Station 13

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WGBA	GREEN BAY WI	BMPCDT -20080620AEI

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	140.5	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	140.5	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	426.1	CP MOD	BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	426.1	PLN	DTVPLN -DTVP1468
41	WIFR-DR	FREEPORT IL	248.6	APP	BPRM -20080620AOH
42	WPNE	GREEN BAY WI	5.9	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN -DTVP1524
41	WIFR-DT	FREEPORT IL	248.6	APP	USERRECORD-01

Total scenarios = 12

Result key: 63  
Scenario 1 Affected station 13  
Before Analysis

Results for: 41A WI GREEN BAY	BMPCDT	20080620AEI	APP
HAAT 366.0 m, ATV ERP 1000.0 kW			
within Noise Limited Contour	POPULATION 1117932	AREA (sq km) 29312.0	
not affected by terrain losses	1117181	29287.8	

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 14 of 20)

lost to NTSC IX	0	0.0	
lost to additional IX by ATV	12175	306.3	
lost to ATV IX only	12175	306.3	
lost to all IX	12175	306.3	
Potential Interfering Stations Included in above Scenario	1		
40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
After Analysis			
Results for: 41A WI GREEN BAY	BMPCDT	20080620AEI	APP
HAAT 366.0 m, ATV ERP 1000.0 kW			
within Noise Limited Contour	POPULATION 1117932	AREA (sq km) 29312.0	
not affected by terrain losses	1117181	29287.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	12830	314.3	
lost to ATV IX only	12830	314.3	
lost to all IX	12830	314.3	

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0593%

Worst case new IX 0.0593% Scenario 1

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## Analysis of Interference to Affected Station 14

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMLW-CA	MILWAUKEE WI	BLTTA -20021002AAA

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	3.6	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	3.7	PLN	DTVPLN -DTVP1236
33	WITI	MILWAUKEE WI	2.8	APP	BMPCDT -20080620ANH
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	0.2	PLN	DTVPLN -DTVP1278
38	WGBO-TV	JOLIET IL	137.1	CP MOD	BMPCDT -20080618AEI
38	WGBO-TV	JOLIET IL	137.1	PLN	DTVPLN -DTVP1364
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	135.9	PLN	DTVPLN -DTVP1423
40	WPXE	KENOSHA WI	2.8	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	2.8	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	323.3	CP MOD	BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	323.3	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	338.1	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	338.1	PLN	DTVPLN -DTVP1470
41	WOCH-CA	CHICAGO IL	137.1	LIC	BLTTA -20060103ACT
41	WOCH-CA	CHICAGO IL	137.1	APP	BPTTA -20050127ALO
41	WOCH-CA	CHICAGO IL	137.1	APP	BSTA -20060109ACO
41	WIFR-DR	FREEPORT IL	135.9	APP	BPRM -20080620AOH

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 15 of 20)

41	WOTV	BATTLE CREEK MI	209.4	LIC	BLCT	-19961120KE
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDT	-20030325ABI
41	WXYZ-TV	DETROIT MI	388.3	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	388.3	APP	BMPCDT	-20080618ABH
41	WXYZ-TV	DETROIT MI	388.3	CP	BPCDT	-20080228AAC
41	WGSA	GREEN BAY WI	138.6	CP MOD	BMPCDT	-20080207AAN
41	WGSA	GREEN BAY WI	138.6	PLN	DTVPLN	-DTVP1488
41	WGSA	GREEN BAY WI	138.6	APP	BMPCDT	-20080620AEI
43	WCPX	CHICAGO IL	137.3	APP	BPCDT	-20080619AIL
43	WCPX	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1536
43	WCPX	CHICAGO IL	139.1	LIC	BLCDT	-20010226ABH
43	WWRS-TV	MAYVILLE WI	60.2	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	60.2	PLN	DTVPLN	-DTVP1561
43	WWRS-TV	MAYVILLE WI	60.2	LIC	BLCDT	-20050825AEW
44	WWAZ-TV	FOND DU LAC WI	60.3	CP MOD	BMPCDT	-20040209ABG
44	WWAZ-TV	FOND DU LAC WI	60.3	PLN	DTVPLN	-DTVP1601
45	WSNS-TV	CHICAGO IL	139.1	APP	BPCDT	-20080620AMW
45	WSNS-TV	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1611
45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDT	-20010612AIB
48	WBME-TV	RACINE WI	29.4	LIC	BMPCDT	-20070823AED
48	WBME-TV	RACINE WI	3.6	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	0.0	CP MOD	BMPCDT	-20080617AAA
48	WBME-TV	RACINE WI	0.0	APP	BMPCDT	-20080620ACE
49	WMSN-DR	MADISON WI	130.4	APP	BPRM	-20080620AOW
55	WPXE	KENOSHA WI	39.1	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	139.1	APP	BPET	-20010716AAS
41	WIFR-DT	FREEPORT IL	135.9	APP	USERRECORD-01	

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.
42	WQRF-TV	ROCKFORD IL	BMPCDT -20070207ABW

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	186.7	CP MOD	BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	186.7	PLN	DTVPLN -DTVP1468
41	WIFR-DR	FREEPORT IL	1.0	APP	BPRM -20080620AOH
42	KIMT	MASON CITY IA	316.9	APP	BPCDT -20080613AAA
42	KIMT	MASON CITY IA	321.9	PLN	DTVPLN -DTVP1498
42	KIMT	MASON CITY IA	316.9	LIC	BLCDT -20071113AAE
42	WICS	SPRINGFIELD IL	277.1	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	277.1	PLN	DTVPLN -DTVP1500
42	WCLJ-TV	BLOOMINGTON IN	409.1	CP	BPCDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	409.1	PLN	DTVPLN -DTVP1501
42	WCLJ-TV	BLOOMINGTON IN	409.1	APP	BPCDT -20080618ATP
42	WNDU-TV	SOUTH BEND IN	256.0	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	256.0	PLN	DTVPLN -DTVP1502
42	WNDU-TV	SOUTH BEND IN	256.0	APP	BPCDT -20080619AAB
42	WPNE	GREEN BAY WI	254.1	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	254.1	PLN	DTVPLN -DTVP1524
43	KFXB	DUBUQUE IA	121.7	CP	BPCDT -19991028ACY
43	KFXB	DUBUQUE IA	121.7	PLN	DTVPLN -DTVP1535
43	KFXB	DUBUQUE IA	121.7	APP	BMPCDT -20080619ALC
43	WCPX	CHICAGO IL	133.9	APP	BPCDT -20080619AIL
43	WCPX	CHICAGO IL	134.5	PLN	DTVPLN -DTVP1536
43	WCPX	CHICAGO IL	134.5	LIC	BLCDT -20010226ABH

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 16 of 20)

43	WWRS-TV	MAYVILLE WI	138.1	APP	BPCDT	-20080618ATT
43	WWRS-TV	MAYVILLE WI	138.1	PLN	DTVPLN	-DTVP1561
43	WWRS-TV	MAYVILLE WI	138.1	LIC	BLCDT	-20050825AEW
41	WIFR-DT	FREEPORT IL	1.0	APP	USERRECORD-01	

Total scenarios = 248

Result key: 227

Scenario 153 Affected station 15  
Before Analysis

Results for: 42A IL ROCKFORD BMPCDT 20070207ABW CP  
HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101185	480.0
lost to ATV IX only	101185	480.0
lost to all IX	101185	480.0

Potential Interfering Stations Included in above Scenario 153

42A IA MASON CITY	BPCDT	20080613AAA	APP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A IL CHICAGO	BPCDT	20080619AIL	APP

After Analysis

Results for: 42A IL ROCKFORD BMPCDT 20070207ABW CP  
HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101190	484.1
lost to ATV IX only	101190	484.1
lost to all IX	101190	484.1

Potential Interfering Stations Included in above Scenario 153

42A IA MASON CITY	BPCDT	20080613AAA	APP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BPCDT	20080619AAB	APP
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IA DUBUQUE	BMPCDT	20080619ALC	APP
43A IL CHICAGO	BPCDT	20080619AIL	APP
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0005%

Worst case new IX 0.0005% Scenario 153

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#### Analysis of Interference to Affected Station 16

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
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**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 17 of 20)

42	WQRF-TV	ROCKFORD IL	DTVPLN	-DTV1499
Stations Potentially Affecting This Station				
Chan	Call	City/State	Dist(km)	Status Application Ref. No.
41	KGCW-TV	BURLINGTON IA	187.3	CP MOD BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	187.3	PLN DTVPLN -DTV1468
41	WIFR-DR	FREEPORT IL	0.9	APP BPRM -20080620AOH
42	KIMT	MASON CITY IA	317.2	APP BPCDT -20080613AAA
42	KIMT	MASON CITY IA	322.3	PLN DTVPLN -DTV1498
42	KIMT	MASON CITY IA	317.2	LIC BLCDDT -20071113AEE
42	WICS	SPRINGFIELD IL	277.5	LIC BLCDDT -20050627AAI
42	WICS	SPRINGFIELD IL	277.5	PLN DTVPLN -DTV1500
42	WCLJ-TV	BLOOMINGTON IN	409.0	CP BPCDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	409.0	PLN DTVPLN -DTV1501
42	WCLJ-TV	BLOOMINGTON IN	409.0	APP BPCDT -20080618ATP
42	WNDU-TV	SOUTH BEND IN	255.6	LIC BLCDDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	255.6	PLN DTVPLN -DTV1502
42	WNDU-TV	SOUTH BEND IN	255.6	APP BPCDT -20080619AAB
42	WPNE	GREEN BAY WI	253.6	LIC BMLEDDT -20040818AAP
42	WPNE	GREEN BAY WI	253.6	PLN DTVPLN -DTV1524
43	KFXB	DUBUQUE IA	122.1	CP BPCDT -19991028ACY
43	KFXB	DUBUQUE IA	122.1	PLN DTVPLN -DTV1535
43	KFXB	DUBUQUE IA	122.1	APP BMPCDT -20080619ALC
43	WCPX	CHICAGO IL	133.5	APP BPCDT -20080619AIL
43	WCPX	CHICAGO IL	134.1	PLN DTVPLN -DTV1536
43	WCPX	CHICAGO IL	134.1	LIC BLCDDT -20010226ABH
43	WWRS-TV	MAYVILLE WI	137.6	APP BPCDT -20080618ATT
43	WWRS-TV	MAYVILLE WI	137.6	PLN DTVPLN -DTV1561
43	WWRS-TV	MAYVILLE WI	137.6	LIC BLCDDT -20050825AEW
41	WIFR-DT	FREEPORT IL	0.9	APP USERRECORD-01

Total scenarios = 712

Result key: 861  
Scenario 539 Affected station 16  
Before Analysis

Results for: 42A IL ROCKFORD DTVPLN DTV1499 PLN				
HAAT 149.0 m, ATV ERP 1000.0 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1233418	16881.2		
not affected by terrain losses	1211682	16715.8		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	129943	552.6		
lost to ATV IX only	129943	552.6		
lost to all IX	129943	552.6		

Potential Interfering Stations Included in above Scenario 539

42A IA MASON CITY	DTVPLN	DTV1498	PLN
42A IL SPRINGFIELD	BLCDDT	20050627AAI	LIC
42A IN SOUTH BEND	BPCDDT	20080619AAB	APP
42A WI GREEN BAY	BMLEDDT	20040818AAP	LIC
43A IA DUBUQUE	BMPCDDT	20080619ALC	APP
43A IL CHICAGO	BPCDDT	20080619AIL	APP

After Analysis

Results for: 42A IL ROCKFORD DTVPLN DTV1499 PLN				
HAAT 149.0 m, ATV ERP 1000.0 kW				
	POPULATION	AREA (sq km)		

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 18 of 20)

within Noise Limited Contour	1233418	16881.2
not affected by terrain losses	1211682	16715.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	130001	556.7
lost to ATV IX only	130001	556.7
lost to all IX	130001	556.7

Potential Interfering Stations Included in above Scenario 539

42A IA MASON CITY	DTVPLN	DTV1498	PLN
42A IL SPRINGFIELD	BLCDDT	20050627AAI	LIC
42A IN SOUTH BEND	BPCDDT	20080619AAB	APP
42A WI GREEN BAY	BMLEDDT	20040818AAP	LIC
43A IA DUBUQUE	BMPCDDT	20080619ALC	APP
43A IL CHICAGO	BPCDDT	20080619AIL	APP
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0054%

Worst case new IX 0.0054% Scenario 539

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Analysis of Interference to Affected Station 17

Channel	Call	City/State	Application Ref. No.
48	WMEU-CA	BLUE ISLAND IL	BLTTA -20041008AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WIFR-DR	FREEPORT IL	137.8	APP BPRM	-20080620AOH
45	WSNS-TV	CHICAGO IL	42.2	APP BPCDDT	-20080620AMW
45	WSNS-TV	CHICAGO IL	42.2	PLN DTVPLN	-DTV1611
45	WSNS-TV	CHICAGO IL	42.2	LIC BLCDDT	-20010612AIB
46	WHME-DR	SOUTH BEND IN	141.0	APP BPRM	-20080619AET
47	WTTW	CHICAGO IL	42.2	LIC BLEDDT	-20020408ABK
47	WTTW	CHICAGO IL	42.2	PLN DTVPLN	-DTV1673
48	KPXR	CEDAR RAPIDS IA	343.4	APP BSTA	-20080623ADE
48	KPXR	CEDAR RAPIDS IA	343.4	LIC BLCT	-19970513KE
48	WCIA	CHAMPAIGN IL	166.7	CP MOD BMPCDDT	-20050701IACC
48	WCIA	CHAMPAIGN IL	166.7	PLN DTVPLN	-DTV1706
48	WTTV	BLOOMINGTON IN	277.2	APP BMPCDDT	-20080619AKO
48	WTTV	BLOOMINGTON IN	277.2	PLN DTVPLN	-DTV1707
48	WTTV	BLOOMINGTON IN	277.2	LIC BLCDDT	-20060630ACD
48	WTTV	BLOOMINGTON IN	277.2	CP BPCDDT	-20060707AFA
48	WHME-TV	SOUTH BEND IN	141.0	LIC BLCDDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	141.0	PLN DTVPLN	-DTV1708
48	WHME-TV	SOUTH BEND IN	141.0	APP BPCDDT	-20080619ABC
48	960722KL	OWENSBORO KY	392.6	APP BPCT	-19960722KL
48	WAQP	SAGINAW MI	363.9	LIC BLCDDT	-20060824ADS
48	WAQP	SAGINAW MI	363.9	PLN DTVPLN	-DTV1711
48	WCET	CINCINNATI OH	389.3	LIC BLET	-19740227KG
48	WXOW-DR	LA CROSSE WI	382.1	APP BPRM	-20080620AOE
48	WBME-TV	RACINE WI	146.6	LIC BMLCDDT	-20070823AED
48	WBME-TV	RACINE WI	172.4	PLN DTVPLN	-DTV1726
48	WBME-TV	RACINE WI	175.2	CP MOD BMPCDDT	-20080617AAA
48	WBME-TV	RACINE WI	175.2	APP BMPCDDT	-20080620ACE
50	WXFT-TV	AURORA IL	42.2	APP BMPCDDT	-20080616ACK
50	WXFT-TV	AURORA IL	42.2	PLN DTVPLN	-DTV1765
50	WXFT-TV	AURORA IL	42.2	CP BPCDDT	-20080425ABK

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 19 of 20)

51	WPWR-TV	GARY IN	42.2	LIC	BLCDT	-20050425ACE
51	WPWR-TV	GARY IN	42.2	PLN	DTVPLN	-DTVPI795
62	WJYS	HAMMOND IN	6.0	LIC	BLCT	-19910405KF
41	WIFR-DT	FREEPORT IL	137.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WMEU-CA	CHICAGO IL	BPTTA -20080804ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	137.0	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	137.0	PLN	DTVPLN -DTVPI458
41	WIFR-DR	FREEPORT IL	134.8	APP	BPRM -20080620AOH
45	WSNS-TV	CHICAGO IL	0.0	APP	BPCDT -20080620AMW
45	WSNS-TV	CHICAGO IL	0.0	PLN	DTVPLN -DTVPI1611
45	WSNS-TV	CHICAGO IL	0.0	LIC	BLCDT -20010612AIB
46	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCT -2590
46	WHME-DR	SOUTH BEND IN	126.4	APP	BPRM -20080619AET
46	WDJT-TV	MILWAUKEE WI	139.1	CP MOD	BMPCDT -20000419ABR
46	WDJT-TV	MILWAUKEE WI	139.1	PLN	DTVPLN -DTVPI1664
47	WTTW	CHICAGO IL	0.0	LIC	BLEDT -20020408ABK
47	WTTW	CHICAGO IL	0.0	PLN	DTVPLN -DTVPI1673
48	KPKR	CEDAR RAPIDS IA	353.1	APP	BSTA -20080623ADE
48	KPKR	CEDAR RAPIDS IA	353.1	LIC	BLCT -19970513KE
48	WCIA	CHAMPAIGN IL	208.6	CP MOD	BMPCDT -20050701ACC
48	WCIA	CHAMPAIGN IL	208.6	PLN	DTVPLN -DTVPI1706
48	WTTV	BLOOMINGTON IN	302.0	APP	BMPCDT -20080619AKO
48	WTTV	BLOOMINGTON IN	302.0	PLN	DTVPLN -DTVPI1707
48	WTTV	BLOOMINGTON IN	302.0	LIC	BLCDT -20060630ACD
48	WTTV	BLOOMINGTON IN	302.0	CP	BPCDT -20060707AFA
48	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	126.4	PLN	DTVPLN -DTVPI1708
48	WHME-TV	SOUTH BEND IN	126.4	APP	BPCDT -20080619ABC
48	WAQP	SAGINAW MI	329.1	LIC	BLCDT -20060824ADS
48	WAQP	SAGINAW MI	329.1	PLN	DTVPLN -DTVPI1711
48	WXOW-DR	LA CROSSE WI	371.9	APP	BPRM -20080620AOE
48	WBME-TV	RACINE WI	109.8	LIC	BMCLDT -20070823AED
48	WBME-TV	RACINE WI	136.1	PLN	DTVPLN -DTVPI1726
48	WBME-TV	RACINE WI	139.1	CP MOD	BMPCDT -20080617AAA
48	WBME-TV	RACINE WI	139.1	APP	BMPCDT -20080620ACE
48	NEW	WAUSAUKEE WI	389.4	ADD	BPRM -19960725AAT
49	WOCH-CA	CHICAGO IL	2.5	APP	BDISDTA -20080605ABA
49	WAAA-LP	WESTVILLE IN	64.5	LIC	BLTTL -20070621AAG
49	WBME-TV	RACINE WI	109.9	LIC	BMCLCT -20070823AEF
50	WXFT-TV	AURORA IL	0.0	APP	BMPCDT -20080616ACK
50	WXFT-TV	AURORA IL	0.0	PLN	DTVPLN -DTVPI1765
50	WXFT-TV	AURORA IL	0.0	CP	BPCDT -20080425ABK
50	WPWR-TV	GARY IN	0.0	LIC	BLCT -19870128KL
51	WPWR-TV	GARY IN	0.0	LIC	BLCDT -20050425ACE
51	WPWR-TV	GARY IN	0.0	PLN	DTVPLN -DTVPI795
62	WJYS	HAMMOND IN	38.3	LIC	BLCT -19910405KF
41	WIFR-DT	FREEPORT IL	134.8	APP	USERRECORD-01

**Table 1 WIFR-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 20 of 20)

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WIFR-DT	FREEPORT IL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	136.3	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	136.3	PLN	DTVPLN -DTVPI1458
41	KGCW-TV	BURLINGTON IA	187.4	CP MOD	BMPCDT -20080619AJN
41	KGCW-TV	BURLINGTON IA	187.4	PLN	DTVPLN -DTVPI1468
41	WICD	CHAMPAIGN IL	269.0	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	269.0	PLN	DTVPLN -DTVPI1470
41	WGBA	GREEN BAY WI	248.6	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	248.6	PLN	DTVPLN -DTVPI1488
41	WGBA	GREEN BAY WI	248.6	APP	BMPCDT -20080620AEI
42	WQRF-TV	ROCKFORD IL	1.0	CP MOD	BMPCDT -20070207ABW
42	WQRF-TV	ROCKFORD IL	0.9	PLN	DTVPLN -DTVPI1499

Total scenarios = 48

Result key: 1035

Scenario 1 Affected station 19

Before Analysis

Results for: 41A IL FREEPORT USERRECORD01 APP

HAAT	220.0 m, ATV ERP	53.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			906821	14769.7
not affected by terrain losses			903058	14709.2
lost to NTSC IX			0	0.0
lost to additional IX by ATV			34826	1072.8
lost to ATV IX only			34826	1072.8
lost to all IX			34826	1072.8

Potential Interfering Stations Included in above Scenario 1

40A WI	KENOSHA	BLCDT	20040206AAT	LIC
41A IA	BURLINGTON	BMPCDT	20080619AJN	CP
41A IL	CHAMPAIGN	BMPCDT	20041215AAN	CP
41A WI	GREEN BAY	BMPCDT	20080207AAN	CP
42A IL	ROCKFORD	BMPCDT	20070207ABW	CP

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