

TECHNICAL EXHIBIT  
EARLY-TRANSITION STA REQUEST  
DTV MAXIMIZATION APPLICATION  
STATION WHIO-DT  
DAYTON, OHIO  
CH 41    350 KW    348 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WHIO-DT for STA "early-transition" operation. A non-directional effective radiated power of 350 kilowatts is requested. The effective radiated power level was selected as to provide "equivalent contour protection" to Canada compared to the WHIO-DT earlier coordinated facility.<sup>1</sup> The WHIO-DT transmitter site is located 253 kilometers from the closest point of the U.S./Canadian border. Therefore, WHIO-DT is located within the U.S./Canada border coordination area.

Proposed Facilities

Station WHIO-DT proposes to operate DTV channel 41 from its licensed DTV facility. The antenna height above average terrain for the channel 41 DTV operation will be 348 meters. An allocation study was completed to ensure no prohibited interference would occur in either a pre-transition or post-transition allocation environment.

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<sup>1</sup> WHIO-DT has already been coordinated with Canada with the facilities authorized by BLCDT-20040614AEY, which is an effective radiated power of 1,000 kilowatts on Channel 41, with an antenna height above average terrain of 290 meters with a directional antenna.

The proposed DTV transmitter site will be located atop the WHIO-TV tower. Therefore, the proposed site location is:

39° 44' 02" North Latitude  
84° 14' 53" West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1.

Figure 2 is a map showing the WHIO-DT protected contour for both its presently authorized and proposed STA facilities with the azimuthal span toward the closest area of the U.S./Canadian border indicated. As can be seen, the proposed WHIO-DT STA noise-limited contour does not extend further in the direction of Canada than the earlier coordinated facility.

#### Population Served

The herein proposed WHIO-DT 350 STA facility is predicted to serve 3,365,426 persons, post-transition based upon the 2000 Census. WHIO-DT's associated Appendix B facility is predicted to serve 3,196,000 persons. Therefore, the herein proposed WHIO-DT facility would serve more than 100% of WHIO-DT's Appendix B population. WHIO(TV)'s analog facility is predicted to serve 3,214,931 persons. Therefore, the herein proposed WHIO-DT facility would serve more than 100% of WHIO(TV)'s analog facility.

Radiofrequency Electromagnetic Field Exposure

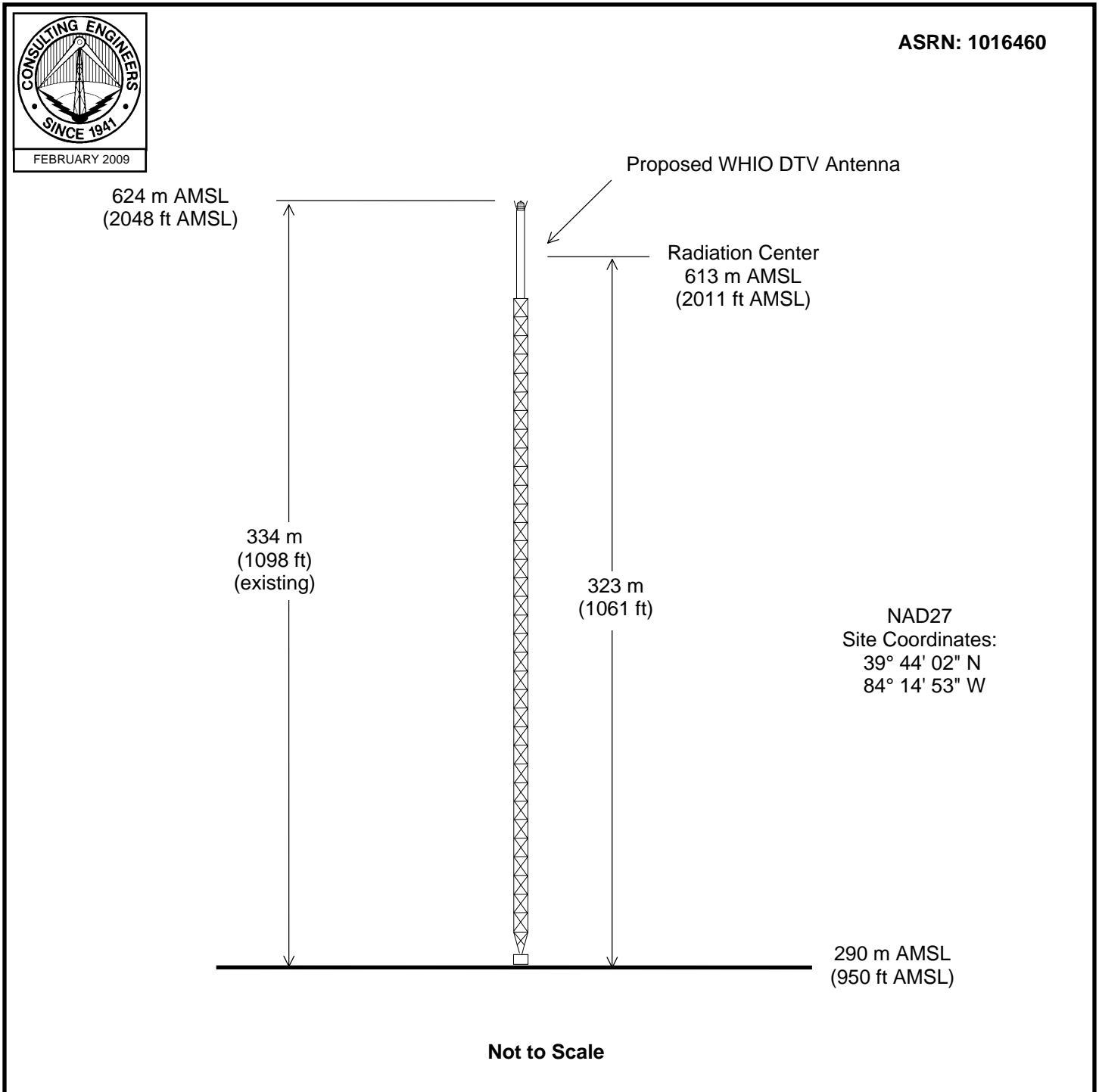
The proposed WHIO-DT facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed WHIO-DT antenna is located 323 meters above ground level. The maximum effective radiated power is 350 kilowatts. A "worst case" downward relative field value of 0.25 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is  $0.02 \text{ mW/cm}^2$ . This is less than 5 percent of the Commission's recommended limit of  $0.42 \text{ mW/cm}^2$  for channel 41 for an "uncontrolled" environment.

Charles Cooper

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 32437  
941.329.6000

February 23, 2009

Figure 1



## ANTENNA AND SUPPORTING STRUCTURE

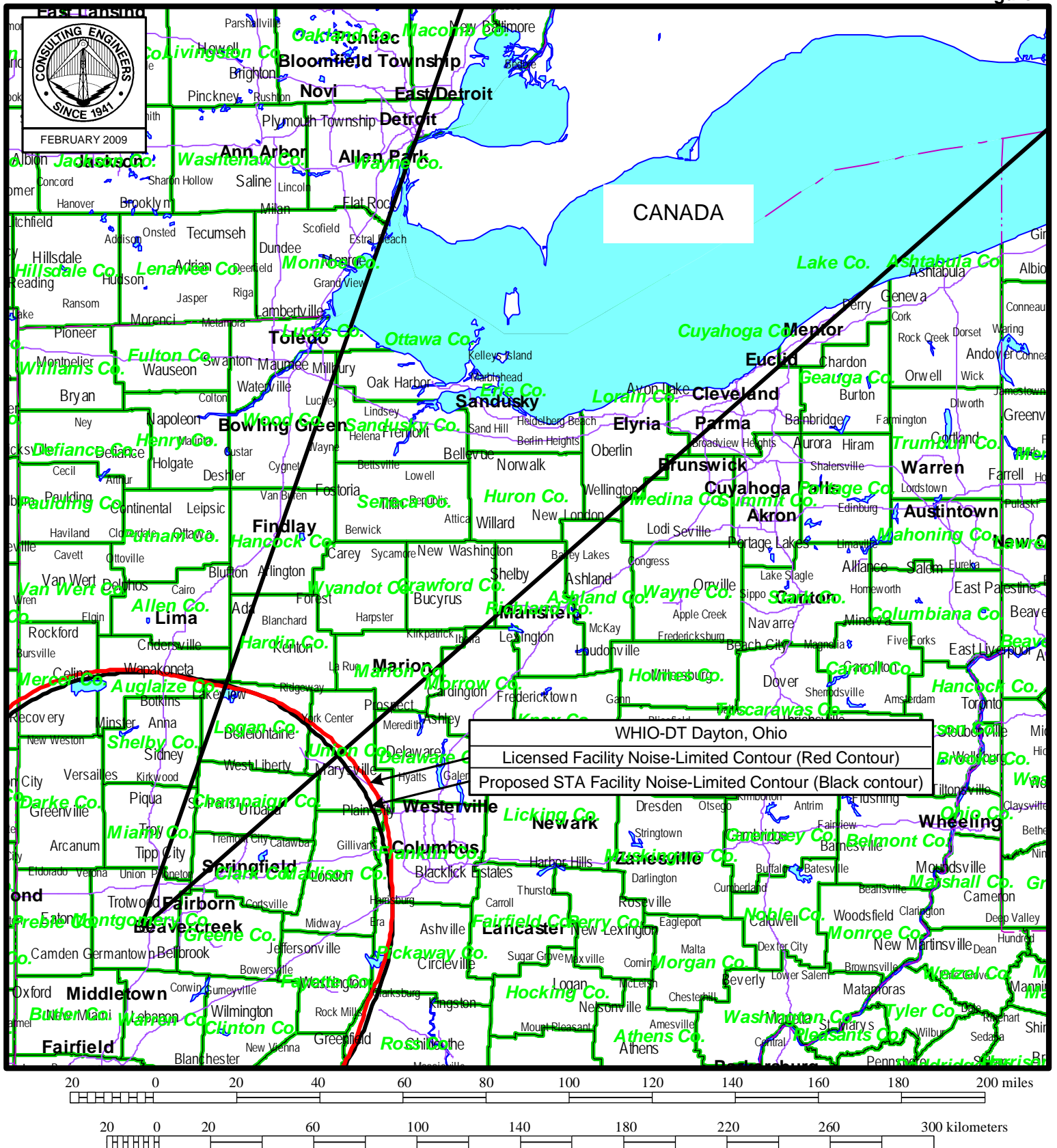
DTV STATION WHIO-DT

DAYTON, OHIO

CH 41 350 KW 348 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



## CANADIAN EQUIVALENT PROTECTION

STATION WHIO-DT

DAYTON, OHIO

CH 41 350 KW 348 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

## PRE-TRANSITION ALLOCATION ANALYSIS

Census data selected 2000

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-23-2009 Time: 10:02:35

Record Selected for Analysis

WHIO USERRECORD-01 DAYTON OH US  
Channel 41 ERP 350. kW HAAT 346. m RCAMSL 00613 m  
Latitude 039-44-02 Longitude 0084-14-53  
Status APP Zone 2 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  
77777

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	350.000	342.1	92.2
45.0	350.000	363.1	94.0
90.0	350.000	343.2	92.3
135.0	350.000	332.2	91.1
180.0	350.000	349.9	92.9
225.0	350.000	367.2	94.3
270.0	350.000	338.9	91.8
315.0	350.000	335.0	91.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WHIO 41 DAYTON OH USERRECORD01

**Figure 3**

and station

SHORT TO: WDRB 41 LOUISVILLE KY BPCT 20050722ACB

038-21- 0 0085-50-56

Req. separation 244.6 Actual separation 206.9 Short 37.7 km

SHORT TO: WDRB 41 LOUISVILLE KY BLCT 19900209KG

038-21- 0 0085-50-57

Req. separation 244.6 Actual separation 206.9 Short 37.7 km

SHORT TO: WHIO-DT 41 DAYTON OH DTVPLN DTVP1169

39-44-02 84-14-52

Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WHIO-TV 41 DAYTON OH BLCDT 20040614AEY

039-44- 2 0084-14-53

Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WKOI-TV 43 RICHMOND IN BLCT 19820517KJ

039-30-44 0084-38- 9

Req. separation => 24.1 <= 80.5 Actual separation 41.4 Short 39.1( 17.3) km

SHORT TO: WCET 48 CINCINNATI OH BLET 19740227KG

039-07-30 0084-31-18

Req. separation => 24.1 <= 80.5 Actual separation 71.6 Short 8.9( 47.5) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance

Distance to border = 253.1km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

### Figure 3

Proposed Station			
Channel	Call	City/State	ARN
41	WHIO	DAYTON OH	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WBDB	SPRINGFIELD OH	1.2	LIC	BLCT	-20001103ABK
34	WOSU-TV	COLUMBUS OH	122.4	LIC	BMLET	-19851106KE
38	WBQC-CA	CINCINNATI OH	71.0	LIC	BLTTA	-20041221ABW
39	WOCB-CA	MARION OH	136.3	LIC	BLTTA	-20031212AAO
40	WFWA	FORT WAYNE IN	171.9	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	171.9	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	171.9	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	168.1	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	168.1	LIC	BLCT	-19990922AAW
40	WHMB-TV	INDIANAPOLIS IN	168.1	APP	BSTA	-20071113AEF
40	WTVQ-DT	LEXINGTON KY	189.3	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	189.3	CP MOD	BMPCDT	-20050728AMU
40	WTVQ-TV	LEXINGTON KY	189.3	LIC	BLCDT	-20050728AMX
40	WHIZ-TV	ZANESVILLE OH	194.3	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-DT	ZANESVILLE OH	194.4	PLN	DTVPLN	-DTVP1136
41	WICD	CHAMPAIGN IL	314.7	CP MOD	BMPCDT	-20041215AAN
41	WICD-DT	CHAMPAIGN IL	314.7	PLN	DTVPLN	-DTVP1159
41	WOCH-CA	CHICAGO IL	372.1	LIC	BLTTA	-20060103ACT
41	WOCH-CA	CHICAGO IL	372.1	APP	BPTTA	-20050127ALO
41	WOCH-CA	CHICAGO IL	372.1	APP	BSTA	-20060109ACO
41	WDRB	LOUISVILLE KY	206.8	CP	BPCT	-20050722ACB
41	WDRB	LOUISVILLE KY	206.8	LIC	BLCT	-19900209KG
41	WOTV	BATTLE CREEK MI	331.4	LIC	BLCT	-19961120KE
41	WXYZ-DT	DETROIT MI	315.5	PLN	DTVPLN	-DTVP1164
41	WKBN-DT	YOUNGSTOWN OH	338.6	PLN	DTVPLN	-DTVP1170
41	WKBN-TV	YOUNGSTOWN OH	338.5	CP	BPCDT	-19991025ACU
41	WSJK-DT	SNEEDVILLE TN	384.2	PLN	DTVPLN	-DTVP1174
41	WCHS-TV	CHARLESTON WV	250.3	LIC	BLCDT	-20050621AAQ
41	WCHS-DT	CHARLESTON WV	250.3	PLN	DTVPLN	-DTVP1181
42	WCLJ-TV	BLOOMINGTON IN	166.8	LIC	BLCT	-19870904KG
42	WKLE-DT	LEXINGTON KY	206.3	PLN	DTVPLN	-DTVP1194
42	WXCB-CA	DELAWARE OH	120.5	APP	BSTA	-20080604ADF
42	WXCB-CA	DELAWARE OH	120.1	LIC	BLTTA	-20030402AAU
42	WPBO	PORTSMOUTH OH	148.7	LIC	BLET	-19930707KE
42	WPBO	PORTSMOUTH OH	148.7	APP	BSTA	-20080429ABI
42	WGGN-DT	SANDUSKY OH	222.0	PLN	DTVPLN	-DTVP1203
42	WGGN-TV	SANDUSKY OH	212.9	CP MOD	BMPCDT	-20081024AER
43	WKOI-TV	RICHMOND IN	41.3	LIC	BLCT	-19820517KJ
44	WTLW	LIMA OH	114.5	LIC	BMLCT	-20010123ABE
45	WRGT-TV	DAYTON OH	1.2	APP	BPCT	-19980617KE
45	WRGT-TV	DAYTON OH	1.2	LIC	BMLCT	-19860915KE
48	WCET	CINCINNATI OH	71.6	LIC	BLET	-19740227KG
49	WIPB	MUNCIE IN	107.4	LIC	BLET	-19810717KI

[illegible]



Figure 3

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
26	WTJC	SPRINGFIELD OH	DTVPLN	-NPLN1287

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WTJC-DT	SPRINGFIELD OH	0.0	PLN	DTVPLN	-DTVP0318
19	WXIX-TV	NEWPORT KY	105.5	PLN	DTVPLN	-NPLN1044
24	WCVN-DT	COVINGTON KY	112.3	PLN	DTVPLN	-DTVP0568
24	WSFJ-TV	NEWARK OH	123.7	PLN	DTVPLN	-DTVP0580
25	WRTV-DT	INDIANAPOLIS IN	199.6	PLN	DTVPLN	-DTVP0602
25	WKAS	ASHLAND KY	193.1	PLN	DTVPLN	-NPLN1245
26	WCIUTV	CHICAGO IL	385.4	PLN	DTVPLN	-NPLN1276
26	WCCU-DT	URBANA IL	347.4	PLN	DTVPLN	-DTVP0636
26	WKAS-DT	ASHLAND KY	193.1	PLN	DTVPLN	-DTVP0638
26	WLKY-DT	LOUISVILLE KY	241.3	PLN	DTVPLN	-DTVP0639
26	WVIZ-DT	CLEVELAND OH	239.4	PLN	DTVPLN	-DTVP0648
26	WQEX-DT	PITTSBURGH PA	336.2	PLN	DTVPLN	-DTVP0651
27	WIIB-DT	BLOOMINGTON IN	203.3	PLN	DTVPLN	-DTVP0673
27	WOUB-DT	ATHENS OH	160.8	PLN	DTVPLN	-DTVP0683
27	WBGUTV	BOWLING GREEN OH	136.5	PLN	DTVPLN	-NPLN1313
28	WTTE	COLUMBUS OH	84.5	PLN	DTVPLN	-NPLN1336
28	WPTO-DT	OXFORD OH	87.2	PLN	DTVPLN	-DTVP0722
29	WXIX-DT	NEWPORT KY	105.5	PLN	DTVPLN	-DTVP0744
30	WRGT-DT	DAYTON OH	39.5	PLN	DTVPLN	-DTVP0797
33	WKJGTV	FORT WAYNE IN	172.4	PLN	DTVPLN	-NPLN1447
33	WSTR-DT	CINCINNATI OH	97.1	PLN	DTVPLN	-DTVP0912
34	WCET-DT	CINCINNATI OH	104.0	PLN	DTVPLN	-DTVP0950
34	WOSUTV	COLUMBUS OH	84.5	PLN	DTVPLN	-NPLN1479
40	WHMBTV	INDIANAPOLIS IN	200.0	PLN	DTVPLN	-NPLN1583
40	WLMB	TOLEDO OH	204.5	PLN	DTVPLN	-NPLN1592
41	WHIO-DT	DAYTON OH	38.4	PLN	DTVPLN	-DTVP1169

Results for: 26N OH SPRINGFIELD	DTVPLN	NPLN1287	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1390838	12110.1	
not affected by terrain losses	1379560	12042.2	
lost to NTSC IX	28577	131.8	
lost to additional IX by ATV	35287	207.6	
lost to all IX	63864	339.4	

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	WBDT	SPRINGFIELD OH	BLCT	-20001103ABK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WBDT	SPRINGFIELD OH	0.0	LIC	BLC DT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	39.5	PLN	DTVPLN	-DTVP0318
19	WXIX-TV	NEWPORT KY	71.5	LIC	BLCT	-19851107KH
24	WCVN-DT	COVINGTON KY	80.1	PLN	DTVPLN	-DTVP0568
24	WSFJ-TV	NEWARK OH	138.7	LIC	BLC DT	-20060620ABC
25	WRTV-DT	INDIANAPOLIS IN	167.2	PLN	DTVPLN	-DTVP0602
25	WKAS	ASHLAND KY	199.0	LIC	BLET	-423

Figure 3

26	WCIU-TV	CHICAGO IL	371.8	APP	BSTA	-20081008AHE
26	WCIU-TV	CHICAGO IL	371.8	LIC	BLCT	-19990604KI
26	WCCU	URBANA IL	318.5	LIC	BLCDDT	-20050317ADS
26	WCCU-DT	URBANA IL	318.2	PLN	DTVPLN	-DTVP0636
26	WKAS-DT	ASHLAND KY	199.0	PLN	DTVPLN	-DTVP0638
26	WLKY-TV	LOUISVILLE KY	202.9	LIC	BLCDDT	-20030129AFL
26	WLKY-DT	LOUISVILLE KY	203.1	PLN	DTVPLN	-DTVP0639
26	WVIZ-DT	CLEVELAND OH	278.2	PLN	DTVPLN	-DTVP0648
26	WQEX-DT	PITTSBURGH PA	373.6	PLN	DTVPLN	-DTVP0651
27	WIPX	BLOOMINGTON IN	165.7	LIC	BLCDDT	-20040406AAH
27	WIIB-DT	BLOOMINGTON IN	165.7	PLN	DTVPLN	-DTVP0673
27	WKYT-TV	LEXINGTON KY	187.7	LIC	BLCT	-19890526KE
27	WOUB-TV	ATHENS OH	186.2	LIC	BLEDT	-20030411ABC
27	WOUB-DT	ATHENS OH	186.3	PLN	DTVPLN	-DTVP0683
27	WBGU-TV	BOWLING GREEN OH	159.7	CP	BPET	-20030613AFZ
28	WTTE	COLUMBUS OH	107.9	LIC	BLCT	-20030825ALW
28	WPTO	OXFORD OH	71.5	LIC	BLEDT	-20040714AAQ
28	WPTO-DT	OXFORD OH	47.7	PLN	DTVPLN	-DTVP0722
29	WXIX-DT	NEWPORT KY	71.5	PLN	DTVPLN	-DTVP0744
30	WRGT-DT	DAYTON OH	0.0	PLN	DTVPLN	-DTVP0797
30	WRGT-TV	DAYTON OH	0.0	CP	BPCDDT	-19991101ADJ
33	WISE-TV	FORT WAYNE IN	171.1	LIC	BLCT	-19800410KH
33	WISE-TV	FORT WAYNE IN	171.1	APP	BPCT	-20070123AAW
33	WISE-TV	FORT WAYNE IN	171.1	APP	BSTA	-20070123AAQ
33	WSTR-DT	CINCINNATI OH	62.6	PLN	DTVPLN	-DTVP0912
33	WSTR-TV	CINCINNATI OH	62.6	CP MOD	BMPDDT	-20070720AAM
34	WCET-DT	CINCINNATI OH	70.5	PLN	DTVPLN	-DTVP0950
34	WCET	CINCINNATI OH	70.5	LIC	BLEDT	-20061031AAR
34	WOSU-TV	COLUMBUS OH	123.4	LIC	BMLET	-19851106KE
40	WHMB-TV	INDIANAPOLIS IN	167.6	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	167.6	LIC	BLCT	-19990922AAW
40	WHMB-TV	INDIANAPOLIS IN	167.6	APP	BSTA	-20071113AEF
41	WDRB	LOUISVILLE KY	205.6	CP	BPCT	-20050722ACB
41	WHIO-DT	DAYTON OH	1.2	PLN	DTVPLN	-DTVP1169
41	WHIO-TV	DAYTON OH	1.2	LIC	BLCDDT	-20040614AEY
41	WHIO	DAYTON OH	1.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

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Analysis of Interference to Affected Station 44

#### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
41	WHIO-DT	DAYTON OH	DTVPLN	-DTVP1169

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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Figure 3

40	WFWA-DT	FORT WAYNE IN	171.9	PLN	DTVPLN	-DTVP1123
40	WHMBTV	INDIANAPOLIS IN	168.1	PLN	DTVPLN	-NPLN1583
40	WTVQ-DT	LEXINGTON KY	189.3	PLN	DTVPLN	-DTVP1125
40	WLMB	TOLEDO OH	224.3	PLN	DTVPLN	-NPLN1592
40	WHIZ-DT	ZANESVILLE OH	194.3	PLN	DTVPLN	-DTVP1136
41	WICD-DT	CHAMPAIGN IL	314.7	PLN	DTVPLN	-DTVP1159
41	WDRBT	LOUISVILLE KY	206.8	PLN	DTVPLN	-NPLN1602
41	WOTV	BATTLE CREEK MI	331.5	PLN	DTVPLN	-NPLN1603
41	WXYZ-DT	DETROIT MI	315.5	PLN	DTVPLN	-DTVP1164
41	WKBN-DT	YOUNGSTOWN OH	338.6	PLN	DTVPLN	-DTVP1170
41	WSJK-DT	SNEEDVILLE TN	384.2	PLN	DTVPLN	-DTVP1174
41	WCHS-DT	CHARLESTON WV	250.3	PLN	DTVPLN	-DTVP1181
42	WCLJ	BLOOMINGTON IN	166.8	PLN	DTVPLN	-NPLN1620
42	WKLE-DT	LEXINGTON KY	206.3	PLN	DTVPLN	-DTVP1194
42	WPBOTV	PORTSMOUTH OH	148.7	PLN	DTVPLN	-NPLN1625
42	WGGN-DT	SANDUSKY OH	222.0	PLN	DTVPLN	-DTVP1203

Results for: 41A OH DAYTON DTVPLN DTVP1169 PLN

HAAT 348.0 m, ATV ERP 493.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3455979	28139.7
not affected by terrain losses	3445638	27911.5
lost to NTSC IX	22141	428.3
lost to additional IX by ATV	4055	176.1
lost to ATV IX only	6130	288.2
lost to all IX	26196	604.4

#### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
07	WHIOTV	DAYTON OH	DTVPLN	-NPLN0495

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WLSTV	CHICAGO IL	371.6	PLN	DTVPLN	-NPLN0471
07	WTVW	EVANSVILLE IN	329.7	PLN	DTVPLN	-NPLN0472
07	WLJC-DT	BEATTYVILLE KY	241.4	PLN	DTVPLN	-DTVP0032
07	WXYZTV	DETROIT MI	315.5	PLN	DTVPLN	-NPLN0478
07	WOOD-DT	GRAND RAPIDS MI	344.8	PLN	DTVPLN	-DTVP0033
07	WTRFTV	WHEELING WV	300.3	PLN	DTVPLN	-NPLN0513
08	WISHTV	INDIANAPOLIS IN	168.1	PLN	DTVPLN	-NPLN0534

Results for: 7N OH DAYTON DTVPLN NPLN0495 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	3456584	28143.7
not affected by terrain losses	3388989	26566.6
lost to NTSC IX	169982	3918.7
lost to additional IX by ATV	173	8.0
lost to all IX	170155	3926.7

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WHIO	DAYTON OH	USERRECORD-01	

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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**Figure 3**

40	WFWA	FORT WAYNE IN	171.9	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	171.9	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	171.9	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	168.1	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	168.1	LIC	BLCT	-19990922AAW
40	WHMB-TV	INDIANAPOLIS IN	168.1	APP	BSTA	-20071113AEF
40	WTVQ-DT	LEXINGTON KY	189.3	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	189.3	CP MOD	BMPCDT	-20050728AMU
40	WTVQ-TV	LEXINGTON KY	189.3	LIC	BLCDT	-20050728AMX
40	WLMB	TOLEDO OH	224.3	LIC	BLCT	-19981029KE
40	WHIZ-TV	ZANESVILLE OH	194.3	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-DT	ZANESVILLE OH	194.4	PLN	DTVPLN	-DTVP1136
41	WICD	CHAMPAIGN IL	314.7	CP MOD	BMPCDT	-20041215AAN
41	WICD-DT	CHAMPAIGN IL	314.7	PLN	DTVPLN	-DTVP1159
41	WDRB	LOUISVILLE KY	206.8	CP	BPCT	-20050722ACB
41	WOTV	BATTLE CREEK MI	331.4	LIC	BLCT	-19961120KE
41	WXYZ-DT	DETROIT MI	315.5	PLN	DTVPLN	-DTVP1164
41	WKBN-DT	YOUNGSTOWN OH	338.6	PLN	DTVPLN	-DTVP1170
41	WKBN-TV	YOUNGSTOWN OH	338.5	CP	BPCDT	-19991025ACU
41	WSJK-DT	SNEEDVILLE TN	384.2	PLN	DTVPLN	-DTVP1174
41	WCHS-TV	CHARLESTON WV	250.3	LIC	BLCDT	-20050621AAQ
41	WCHS-DT	CHARLESTON WV	250.3	PLN	DTVPLN	-DTVP1181
42	WCLJ-TV	BLOOMINGTON IN	166.8	LIC	BLCT	-19870904KG
42	WKLE-DT	LEXINGTON KY	206.3	PLN	DTVPLN	-DTVP1194
42	WPBO	PORTSMOUTH OH	148.7	LIC	BLET	-19930707KE
42	WPBO	PORTSMOUTH OH	148.7	APP	BSTA	-20080429ABI
42	WGGN-DT	SANDUSKY OH	222.0	PLN	DTVPLN	-DTVP1203
42	WGGN-TV	SANDUSKY OH	212.9	CP MOD	BMPCDT	-20081024AER

Total scenarios = 4

Result key: 289  
 Scenario 1 Affected station 44  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3384682	26650.8
not affected by terrain losses	3372035	26442.6
lost to NTSC IX	23248	252.2
lost to additional IX by ATV	4268	220.2
lost to ATV IX only	6599	328.2
lost to all IX	27516	472.3

Potential Interfering Stations Included in above Scenario 1

41N KY LOUISVILLE	BPCT	20050722ACB	CP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1164	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1170	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC

Result key: 290  
 Scenario 2 Affected station 44

**Figure 3**

## Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3384682	26650.8
not affected by terrain losses	3372035	26442.6
lost to NTSC IX	23248	252.2
lost to additional IX by ATV	3600	148.1
lost to ATV IX only	5019	252.2
lost to all IX	26848	400.3

Potential Interfering Stations Included in above Scenario                      2

41N KY LOUISVILLE	BPCT	20050722ACB	CP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1164	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1170	PLN
41A WV CHARLESTON	DTVPLN	DTVP1181	PLN

Result key:                      291  
 Scenario                      3   Affected station                      44  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3384682	26650.8
not affected by terrain losses	3372035	26442.6
lost to NTSC IX	23248	252.2
lost to additional IX by ATV	4268	220.2
lost to ATV IX only	6621	332.2
lost to all IX	27516	472.3

Potential Interfering Stations Included in above Scenario                      3

41N KY LOUISVILLE	BPCT	20050722ACB	CP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1164	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC

Result key:                      292  
 Scenario                      4   Affected station                      44  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3384682	26650.8
not affected by terrain losses	3372035	26442.6
lost to NTSC IX	23248	252.2
lost to additional IX by ATV	3600	148.1
lost to ATV IX only	5041	256.2
lost to all IX	26848	400.3

**Figure 3**

```
Potential Interfering Stations Included in above Scenario      4

41N KY LOUISVILLE      BPCT      20050722ACB  CP
41N MI BATTLE CREEK      BLCT      19961120KE  LIC
41A IL CHAMPAIGN         BMPCDT     20041215AAN  CP
41A MI DETROIT           DTVPLN     DTVP1164     PLN
41A OH YOUNGSTOWN        BPCDT     19991025ACU  CP
41A WV CHARLESTON        DTVPLN     DTVP1181     PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
```

Figure 4

## POST-TRANSITION ALLOCATION ANALYSIS

Percent allowed new interference: 0.500  
Percent allowed new interference to Class A: 0.500  
TW Census data selected 2000  
Post Transition Data Base Selected /export/home/cdbs/pt\_tvdb.sff

### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-05-2008 Time: 10:35:38

Record Selected for Analysis

WHIO-TV USERRECORD-01 DAYTON OH US  
Channel 41 ERP 1000. kW HAAT 346. m RCAMSL 00613 m  
Latitude 039-44-02 Longitude 0084-14-53  
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	1000.000	342.1	101.1
45.0	1000.000	363.1	102.9
90.0	1000.000	343.2	101.2
135.0	1000.000	332.2	100.2
180.0	1000.000	349.9	101.7
225.0	1000.000	367.2	103.2
270.0	1000.000	338.9	100.8
315.0	1000.000	335.0	100.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

**Figure 4**

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance

Distance to border = 253.1km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

\*\*\*\*\*

# Start of Interference Analysis

Channel	Proposed Station Call City/State	ARN
41	WHIO-TV DAYTON OH	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WBQC-CA	CINCINNATI OH	71.0	LIC	BLTTA	-20041221ABW
39	WOCB-CA	MARION OH	136.3	LIC	BLTTA	-20031212AAO
40	WFWA	FORT WAYNE IN	171.9	LIC	BLEDT	-20041112ACP
40	WFWA	FORT WAYNE IN	171.9	PLN	DTVPLN	-DTVP1436
40	WTVQ-TV	LEXINGTON KY	189.3	LIC	BLCDD	-20050728AMX
40	WTVQ-TV	LEXINGTON KY	189.3	PLN	DTVPLN	-DTVP1437
40	WTVQ-TV	LEXINGTON KY	189.3	CP MOD	BMPCDD	-20050728AMU
40	WHIZ-TV	ZANESVILLE OH	194.3	CP MOD	BMPCDD	-20071022BPE
40	WHIZ-TV	ZANESVILLE OH	194.3	PLN	DTVPLN	-DTVP1449
41	WICD	CHAMPAIGN IL	314.7	CP MOD	BMPCDD	-20041215AAN
41	WICD	CHAMPAIGN IL	314.7	PLN	DTVPLN	-DTVP1470
41	WOCH-CA	CHICAGO IL	372.1	LIC	BLTTA	-20060103ACT
41	WOCH-CA	CHICAGO IL	372.1	APP	BSTA	-20060109ACO
41	WOCH-CA	CHICAGO IL	372.1	APP	BPTTA	-20050127ALO
41	WXYZ-TV	DETROIT MI	315.4	CP	BPCDD	-20080228AAC
41	WXYZ-TV	DETROIT MI	315.5	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	315.4	LIC	BLCDD	-20030325ABI
41	WKBN-TV	YOUNGSTOWN OH	338.5	CP	BPCDD	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	338.5	PLN	DTVPLN	-DTVP1481
41	WETP-TV	SNEEDVILLE TN	384.2	LIC	BLEDT	-20050916AAX
41	WETP-TV	SNEEDVILLE TN	384.2	PLN	DTVPLN	-DTVP1484
41	WCHS-TV	CHARLESTON WV	250.3	LIC	BLCDD	-20050621AAQ
41	WCHS-TV	CHARLESTON WV	250.3	PLN	DTVPLN	-DTVP1489
42	WCLJ-TV	BLOOMINGTON IN	166.8	CP	BPCDD	-20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	166.8	PLN	DTVPLN	-DTVP1501
42	WKLE	LEXINGTON KY	206.3	LIC	BLEDT	-20060926AJQ
42	WKLE	LEXINGTON KY	206.3	PLN	DTVPLN	-DTVP1503
42	Wxcb-CA	DELAWARE OH	120.1	LIC	BLTTA	-20030402AAU
42	WGGN-TV	SANDUSKY OH	212.8	APP	BMPCDD	-20071213AAS
42	WGGN-TV	SANDUSKY OH	222.0	PLN	DTVPLN	-DTVP1512
42	WGGN-TV	SANDUSKY OH	222.0	CP MOD	BMPCDD	-20000501AIZ



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## Analysis of current record

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WRGT-TV	DAYTON OH	69.8	CP	BPCDT	-19991101ADJ
30	WRGT-TV	DAYTON OH	69.8	PLN	DTVPLN	-DTVP1117
34	WCET	CINCINNATI OH	2.0	LIC	BLEDT	-20061031AAR
34	WCET	CINCINNATI OH	2.0	PLN	DTVPLN	-DTVP1266
35	WLWT	CINCINNATI OH	2.0	LIC	BLCDT	-20050502ABC
35	WLWT	CINCINNATI OH	2.0	PLN	DTVPLN	-DTVP1303
36	WTVQ-TV	LEXINGTON KY	121.6	LIC	BLCT	-19800619IX
38	WFXW	TERRE HAUTE IN	249.8	LIC	BLCT	-20031022AAD
38	WKMJ-TV	LOUISVILLE KY	143.0	LIC	BLEDT	-20030410AAK
38	WKMJ-TV	LOUISVILLE KY	143.0	PLN	DTVPLN	-DTVP1366
38	WKMR	MOREHEAD KY	141.8	LIC	BLET	-19830725KL
38	WSYM-TV	LANSING MI	371.7	CP MOD	BMPCDT	-20060602ABQ
38	WSYM-TV	LANSING MI	371.7	PLN	DTVPLN	-DTVP1370
38	WOTH-LP	CINCINNATI OH	0.0	STA	BSTA	-20021118ACW
38	WOSU-TV	COLUMBUS OH	177.2	LIC	BLEDT	-20040130AHB
38	WOSU-TV	COLUMBUS OH	177.2	PLN	DTVPLN	-DTVP1376
38	WEMT	GREENEVILLE TN	378.8	LIC	BLCDT	-20050606AHR
38	WEMT	GREENEVILLE TN	378.8	PLN	DTVPLN	-DTVP1380
38	WHTN	MURFREESBORO TN	378.5	LIC	BLCDT	-20060627AAY
38	WHTN	MURFREESBORO TN	378.5	PLN	DTVPLN	-DTVP1381
39	WKOI-TV	RICHMOND IN	44.6	CP	BPCDT	-20080314ABK
39	WKOI-TV	RICHMOND IN	44.6	PLN	DTVPLN	-DTVP1404
39	WKOI-TV	RICHMOND IN	44.6	LIC	BLCDT	-20050920ABV
39	WLEX-TV	LEXINGTON KY	121.6	CP MOD	BMPCDT	-20050728AOP
39	WLEX-TV	LEXINGTON KY	121.6	PLN	DTVPLN	-DTVP1406
40	WTVQ-TV	LEXINGTON KY	121.6	LIC	BLCDT	-20050728AMX
40	WTVQ-TV	LEXINGTON KY	121.6	PLN	DTVPLN	-DTVP1437
40	WTVQ-TV	LEXINGTON KY	121.6	CP MOD	BMPCDT	-20050728AMU
41	WDRB	LOUISVILLE KY	145.3	CP	BPCT	-20050722ACB
41	WHIO-TV	DAYTON OH	71.0	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	71.0	PLN	DTVPLN	-DTVP1480
42	WCLJ-TV	BLOOMINGTON IN	145.2	CP	BPCDT	-20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	145.2	PLN	DTVPLN	-DTVP1501
42	WCLJ-TV	BLOOMINGTON IN	145.2	LIC	BLCT	-19870904KG
42	WKLE	LEXINGTON KY	139.3	LIC	BLEDT	-20060926AJQ
42	WKLE	LEXINGTON KY	139.3	PLN	DTVPLN	-DTVP1503
42	WPBO	PORTSMOUTH OH	130.7	LIC	BLET	-19930707KE
42	WPBO	PORTSMOUTH OH	130.7	APP	BSTA	-20080429ABI
46	WWHO	CHILLICOTHE OH	129.8	LIC	BLCDT	-20021025AAA
46	WWHO	CHILLICOTHE OH	129.8	PLN	DTVPLN	-DTVP1652
52	WKON	OWENTON KY	71.9	LIC	BLET	-19830812KP
53	WWHO	CHILLICOTHE OH	129.8	LIC	BLCT	-19980731KK
41	WHIO-TV	DAYTON OH	71.0	APP	USERRECORD-01	

**Figure 4**

Proposal causes no interference

#####

## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WOCB-CA	MARION OH	BLTTA	-20031212AAO

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	960722KP	XENIA OH	104.2	APP	BPCT	-19960722KP
36	WTTE	COLUMBUS OH	75.9	CP	BPCDT	-19991029AGZ
36	WTTE	COLUMBUS OH	75.9	PLN	DTVPLN	-DTVP1342
38	WOSU-TV	COLUMBUS OH	53.7	LIC	BLEDT	-20040130AHB
38	WOSU-TV	COLUMBUS OH	53.7	PLN	DTVPLN	-DTVP1376
39	WFWA	FORT WAYNE IN	181.4	LIC	BLET	-20060606ABF
39	NEW	NEW ALBANY IN	375.5	ADD	BPRM	-20000717ADC
39	WKOI-TV	RICHMOND IN	177.2	CP	BPCDT	-20080314ABK
39	WKOI-TV	RICHMOND IN	177.2	PLN	DTVPLN	-DTVP1404
39	WKOI-TV	RICHMOND IN	177.2	LIC	BLCDT	-20050920ABV
39	WFXW	TERRE HAUTE IN	393.8	CP MOD	BMPCDT	-20070125ACT
39	WFXW	TERRE HAUTE IN	393.8	PLN	DTVPLN	-DTVP1405
39	WLEX-TV	LEXINGTON KY	306.7	CP MOD	BMPCDT	-20050728AOP
39	WLEX-TV	LEXINGTON KY	306.7	PLN	DTVPLN	-DTVP1406
39	WADL	MOUNT CLEMENS MI	216.5	LIC	BLCDT	-20020507AAO
39	WADL	MOUNT CLEMENS MI	216.5	PLN	DTVPLN	-DTVP1409
39	WDLI-TV	CANTON OH	138.3	LIC	BLCDT	-20030421ABK
39	WDLI-TV	CANTON OH	138.3	PLN	DTVPLN	-DTVP1412
39	WLPX-TV	CHARLESTON WV	265.2	LIC	BLCDT	-20020510AAM
39	WLPX-TV	CHARLESTON WV	265.2	PLN	DTVPLN	-DTVP1424
40	WHIZ-TV	ZANESVILLE OH	123.6	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-TV	ZANESVILLE OH	123.6	PLN	DTVPLN	-DTVP1449
41	WHIO-TV	DAYTON OH	136.3	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	136.3	PLN	DTVPLN	-DTVP1480
42	WGGN-TV	SANDUSKY OH	76.6	APP	BMPCDT	-20071213AAS
42	WGGN-TV	SANDUSKY OH	91.4	PLN	DTVPLN	-DTVP1512
42	WGGN-TV	SANDUSKY OH	91.4	CP MOD	BMPCDT	-20000501AIZ
46	WWHO	CHILLICOTHE OH	114.1	LIC	BLCDT	-20021025AAA
46	WWHO	CHILLICOTHE OH	114.1	PLN	DTVPLN	-DTVP1652
46	WUPW	TOLEDO OH	118.6	LIC	BLCDT	-20030411AAF
46	WUPW	TOLEDO OH	118.6	PLN	DTVPLN	-DTVP1653
53	WWHO	CHILLICOTHE OH	114.1	LIC	BLCT	-19980731KK
41	WHIO-TV	DAYTON OH	136.3	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 32

Figure 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WHIO-TV	DAYTON OH	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WFWA	FORT WAYNE IN	171.9	LIC	BLEDT -20041112ACP
40	WFWA	FORT WAYNE IN	171.9	PLN	DTVPLN -DTVP1436
40	WTVQ-TV	LEXINGTON KY	189.3	LIC	BLCDDT -20050728AMX
40	WTVQ-TV	LEXINGTON KY	189.3	PLN	DTVPLN -DTVP1437
40	WTVQ-TV	LEXINGTON KY	189.3	CP MOD	BMPCDDT -20050728AMU
40	WHIZ-TV	ZANESVILLE OH	194.3	CP MOD	BMPCDDT -20071022BPE
40	WHIZ-TV	ZANESVILLE OH	194.3	PLN	DTVPLN -DTVP1449
41	WICD	CHAMPAIGN IL	314.7	CP MOD	BMPCDDT -20041215AAN
41	WICD	CHAMPAIGN IL	314.7	PLN	DTVPLN -DTVP1470
41	WXYZ-TV	DETROIT MI	315.4	CP	BPCDDT -20080228AAC
41	WXYZ-TV	DETROIT MI	315.5	PLN	DTVPLN -DTVP1476
41	WXYZ-TV	DETROIT MI	315.4	LIC	BLCDDT -20030325ABI
41	WKBN-TV	YOUNGSTOWN OH	338.5	CP	BPCDDT -19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	338.5	PLN	DTVPLN -DTVP1481
41	WETP-TV	SNEEDVILLE TN	384.2	LIC	BLEDT -20050916AAX
41	WETP-TV	SNEEDVILLE TN	384.2	PLN	DTVPLN -DTVP1484
41	WCHS-TV	CHARLESTON WV	250.3	LIC	BLCDDT -20050621AAQ
41	WCHS-TV	CHARLESTON WV	250.3	PLN	DTVPLN -DTVP1489
42	WCLJ-TV	BLOOMINGTON IN	166.8	CP	BPCDDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	166.8	PLN	DTVPLN -DTVP1501
42	WKLE	LEXINGTON KY	206.3	LIC	BLEDT -20060926AJQ
42	WKLE	LEXINGTON KY	206.3	PLN	DTVPLN -DTVP1503
42	WGGN-TV	SANDUSKY OH	212.8	APP	BMPCDDT -20071213AAS
42	WGGN-TV	SANDUSKY OH	222.0	PLN	DTVPLN -DTVP1512
42	WGGN-TV	SANDUSKY OH	222.0	CP MOD	BMPCDDT -20000501AIZ

Total scenarios = 48

Result key: 123  
 Scenario 1 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDDT	20041215AAN	CP
41A MI DETROIT	BPCDDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDDT	19991025ACU	CP

**Figure 4**

41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 124  
 Scenario 2 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 2

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 125  
 Scenario 3 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 3

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 126  
 Scenario 4 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0

**Figure 4**

lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 4

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 127  
Scenario 5 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 5

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 128  
Scenario 6 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 6

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 129

**Figure 4**

Scenario 7 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 7

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 130

Scenario 8 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 8

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 131

Scenario 9 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

**Figure 4**

Potential Interfering Stations Included in above Scenario 9

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 132  
 Scenario 10 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 10

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 133  
 Scenario 11 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 11

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 134  
 Scenario 12 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

**Figure 4**

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HAAT  346.0 m, ATV ERP 1000.0 kW
                                POPULATION  AREA (sq km)
within Noise Limited Contour    3703841    31962.4
not affected by terrain losses  3687350    31606.1
lost to NTSC IX                  0          0.0
lost to additional IX by ATV     59215     820.6
lost to ATV IX only             59215     820.6
lost to all IX                  59215     820.6

Potential Interfering Stations Included in above Scenario    12

41A IL CHAMPAIGN          BMPCDT    20041215AAN  CP
41A MI DETROIT            DTVPLN    DTVP1476    PLN
41A OH YOUNGSTOWN         BPCDT    19991025ACU  CP
41A WV CHARLESTON        DTVPLN    DTVP1489    PLN
42A IN BLOOMINGTON       DTVPLN    DTVP1501    PLN

Result key:      135
Scenario      13  Affected station      32
Before Analysis

Results for: 41A OH DAYTON          USERRECORD01          APP
HAAT  346.0 m, ATV ERP 1000.0 kW
                                POPULATION  AREA (sq km)
within Noise Limited Contour    3703841    31962.4
not affected by terrain losses  3687350    31606.1
lost to NTSC IX                  0          0.0
lost to additional IX by ATV     59215     820.6
lost to ATV IX only             59215     820.6
lost to all IX                  59215     820.6

Potential Interfering Stations Included in above Scenario    13

41A IL CHAMPAIGN          BMPCDT    20041215AAN  CP
41A MI DETROIT            DTVPLN    DTVP1476    PLN
41A OH YOUNGSTOWN         DTVPLN    DTVP1481    PLN
41A WV CHARLESTON        BLCDT    20050621AAQ  LIC
42A IN BLOOMINGTON       BPCDT    20080314ABE  CP

Result key:      136
Scenario      14  Affected station      32
Before Analysis

Results for: 41A OH DAYTON          USERRECORD01          APP
HAAT  346.0 m, ATV ERP 1000.0 kW
                                POPULATION  AREA (sq km)
within Noise Limited Contour    3703841    31962.4
not affected by terrain losses  3687350    31606.1
lost to NTSC IX                  0          0.0
lost to additional IX by ATV     59215     820.6
lost to ATV IX only             59215     820.6
lost to all IX                  59215     820.6

Potential Interfering Stations Included in above Scenario    14

41A IL CHAMPAIGN          BMPCDT    20041215AAN  CP
41A MI DETROIT            DTVPLN    DTVP1476    PLN

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**Figure 4**

41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 137  
 Scenario 15 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 15

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 138  
 Scenario 16 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 16

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 139  
 Scenario 17 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1

**Figure 4**

lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 17

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 140  
Scenario 18 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 18

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 141  
Scenario 19 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 19

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

**Figure 4**

Result key: 142  
 Scenario 20 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 20

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 143  
 Scenario 21 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 21

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 144  
 Scenario 22 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

**Figure 4**

Potential Interfering Stations Included in above Scenario 22

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 145  
 Scenario 23 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 23

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 146  
 Scenario 24 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 24

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 147  
 Scenario 25 Affected station 32  
 Before Analysis

**Figure 4**

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario                      25

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key:                      148  
 Scenario                      26    Affected station                      32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario                      26

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key:                      149  
 Scenario                      27    Affected station                      32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario                      27

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
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**Figure 4**

41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 150  
 Scenario 28 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 28

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 151  
 Scenario 29 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 29

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BPCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 152  
 Scenario 30 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4

**Figure 4**

not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 30

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDD	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 153  
Scenario 31 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 31

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 154  
Scenario 32 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59087	812.6
lost to ATV IX only	59087	812.6
lost to all IX	59087	812.6

Potential Interfering Stations Included in above Scenario 32

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BPCDT	20080228AAC	CP
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

**Figure 4**

Result key: 155  
 Scenario 33 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 33

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 156  
 Scenario 34 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario 34

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 157  
 Scenario 35 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6



**Figure 4**

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lost to all IX                      59215          820.6

Potential Interfering Stations Included in above Scenario    35

41A IL CHAMPAIGN          DTVPLN      DTVP1470      PLN
41A MI DETROIT            DTVPLN      DTVP1476      PLN
41A OH YOUNGSTOWN         BPCDT      19991025ACU  CP
41A WV CHARLESTON        DTVPLN      DTVP1489      PLN
42A IN BLOOMINGTON        BPCDT      20080314ABE  CP

Result key:          158
Scenario          36  Affected station          32
Before Analysis

Results for: 41A OH DAYTON          USERRECORD01          APP
HAAT  346.0 m, ATV ERP 1000.0 kW
                POPULATION      AREA (sq km)
within Noise Limited Contour      3703841      31962.4
not affected by terrain losses      3687350      31606.1
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        59215          820.6
lost to ATV IX only                 59215          820.6
lost to all IX                      59215          820.6

Potential Interfering Stations Included in above Scenario    36

41A IL CHAMPAIGN          DTVPLN      DTVP1470      PLN
41A MI DETROIT            DTVPLN      DTVP1476      PLN
41A OH YOUNGSTOWN         BPCDT      19991025ACU  CP
41A WV CHARLESTON        DTVPLN      DTVP1489      PLN
42A IN BLOOMINGTON        DTVPLN      DTVP1501      PLN

Result key:          159
Scenario          37  Affected station          32
Before Analysis

Results for: 41A OH DAYTON          USERRECORD01          APP
HAAT  346.0 m, ATV ERP 1000.0 kW
                POPULATION      AREA (sq km)
within Noise Limited Contour      3703841      31962.4
not affected by terrain losses      3687350      31606.1
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        59215          820.6
lost to ATV IX only                 59215          820.6
lost to all IX                      59215          820.6

Potential Interfering Stations Included in above Scenario    37

41A IL CHAMPAIGN          DTVPLN      DTVP1470      PLN
41A MI DETROIT            DTVPLN      DTVP1476      PLN
41A OH YOUNGSTOWN         DTVPLN      DTVP1481      PLN
41A WV CHARLESTON        BLCDDT      20050621AAQ  LIC
42A IN BLOOMINGTON        BPCDT      20080314ABE  CP

Result key:          160
Scenario          38  Affected station          32
Before Analysis

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**Figure 4**

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario                      38

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key:                      161  
 Scenario                      39    Affected station                      32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario                      39

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDDT	20080314ABE	CP

Result key:                      162  
 Scenario                      40    Affected station                      32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP  
 HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59215	820.6
lost to ATV IX only	59215	820.6
lost to all IX	59215	820.6

Potential Interfering Stations Included in above Scenario                      40

**Figure 4**

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	DTVPLN	DTVP1476	PLN
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 163  
 Scenario 41 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 41

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDDT	19991025ACU	CP
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A IN BLOOMINGTON	BPCDDT	20080314ABE	CP

Result key: 164  
 Scenario 42 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 42

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDDT	19991025ACU	CP
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 165  
 Scenario 43 Affected station 32  
 Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP

HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
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**Figure 4**

within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 43

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key: 166  
Scenario 44 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 44

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	BPCDT	19991025ACU	CP
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key: 167  
Scenario 45 Affected station 32  
Before Analysis

Results for: 41A OH DAYTON USERRECORD01 APP  
HAAT 346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 45

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC

**Figure 4**

42A IN BLOOMINGTON                      BPCDT              20080314ABE    CP

Result key:              168  
 Scenario              46    Affected station              32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP

HAAT    346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario              46

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

Result key:              169  
 Scenario              47    Affected station              32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP

HAAT    346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6
lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario              47

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	BPCDT	20080314ABE	CP

Result key:              170  
 Scenario              48    Affected station              32  
 Before Analysis

Results for: 41A OH DAYTON                      USERRECORD01                      APP

HAAT    346.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3703841	31962.4
not affected by terrain losses	3687350	31606.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59893	844.6

**Figure 4**

lost to ATV IX only	59893	844.6
lost to all IX	59893	844.6

Potential Interfering Stations Included in above Scenario 48

41A IL CHAMPAIGN	DTVPLN	DTVP1470	PLN
41A MI DETROIT	BLCDT	20030325ABI	LIC
41A OH YOUNGSTOWN	DTVPLN	DTVP1481	PLN
41A WV CHARLESTON	DTVPLN	DTVP1489	PLN
42A IN BLOOMINGTON	DTVPLN	DTVP1501	PLN

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