

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Census data selected: 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-20-2008

Record Selected for Analysis

WRCXLP USERRECORD-01 DAYTON OH US
Channel 40 ERP 36. kW HAAT 309. m RCAMSL 00553 m
Latitude 039-43-28 Longitude 0084-15-18
Status APP Zone 1 Border Offset +
Dir Antenna Make CDB Model 00000000019330 Beam tilt N Ref Azimuth 100.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	27.248	285.5	30.7
45.0	32.833	307.6	32.7
90.0	34.574	276.1	31.7
135.0	31.136	279.7	31.2
180.0	34.574	290.4	32.3
225.0	10.890	308.7	26.2
270.0	1.742	283.3	15.8
315.0	3.028	269.3	18.1

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Station inside contour of station
WBDT 26 SPRINGFIELD OH BLCT 20001103ABK

Station inside contour of station
WKOI-TV 39 RICHMOND IN BLCDDT 20050920ABV

Station inside contour of station
WKOI-TV 39 RICHMOND IN BPCDDT 20080314ABK

Contour overlap to station
WFWA 40 FORT WAYNE IN BLEDDT 20041112ACP

Contour overlap to station
WTVQ-TV 40 LEXINGTON KY BLCDDT 20050728AMX

Contour overlap to station
WTVQ-TV 40 LEXINGTON KY BMPCDDT 20050728AMU

Contour overlap to station
WHIZ-TV 40 ZANESVILLE OH BMPCDDT 20071022BPE

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Station inside contour of station

WHIO-TV 41 DAYTON OH BLCDT 20040614AEY

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

No Spacing violations or contour overlap from LPTV station

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station 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 within the Canadian coordination distance
Distance to border = 254.3km

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
40	WRCXLP	DAYTON OH	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WBDT	SPRINGFIELD OH	0.0	LIC	BLCT	-20001103ABK
39	WKOI-TV	RICHMOND IN	40.2	LIC	BLCDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	40.2	CP	BPCDT	-20080314ABK
40	WFWA	FORT WAYNE IN	172.6	LIC	BLEDT	-20041112ACP
40	WTVQ-TV	LEXINGTON KY	188.3	LIC	BLCDT	-20050728AMX
40	WTVQ-TV	LEXINGTON KY	188.3	CP MOD	BMPCDT	-20050728AMU
40	WHIZ-TV	ZANESVILLE OH	195.1	CP MOD	BMPCDT	-20071022BPE
41	WHIO-TV	DAYTON OH	1.2	LIC	BLCDT	-20040614AEY

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

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

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

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-DT	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	1313672	12118.4	
not affected by terrain losses	1311064	12064.3	
lost to NTSC IX	17338	124.8	
lost to additional IX by ATV	35952	244.7	
lost to all IX	53290	369.5	

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	BLCDT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	39.5	PLN	DTVPLN	-DTVP0318
19	WXIX-TV	NEWPORT KY	71.5	LIC	BLCT	-19851107KH
23	WIPB	MUNCIE IN	105.3	APP	BMPEDT	-20080620AAH
23	WIPB	MUNCIE IN	105.3	CP	BPEDT	-20080227ABW
24	WCVN-DT	COVINGTON KY	80.1	PLN	DTVPLN	-DTVP0568
24	WSFJ-TV	NEWARK OH	138.7	LIC	BLCDT	-20060620ABC
25	WRTV-DT	INDIANAPOLIS IN	167.2	PLN	DTVPLN	-DTVP0602
25	WKAS	ASHLAND KY	199.0	LIC	BLET	-423
26	WCIU-TV	CHICAGO IL	371.8	LIC	BLCT	-19990604KI
26	WCCU	URBANA IL	318.5	LIC	BLCDT	-20050317ADS
26	WCCU-DT	URBANA IL	318.2	PLN	DTVPLN	-DTVP0636
26	WCCU	URBANA IL	318.5	APP	BPCDT	-20080620AGB
26	WKAS-DT	ASHLAND KY	199.0	PLN	DTVPLN	-DTVP0638
26	WLKY-TV	LOUISVILLE KY	202.9	LIC	BLCDT	-20030129AFL
26	WLKY-DT	LOUISVILLE KY	203.1	PLN	DTVPLN	-DTVP0639
26	WVIZ-DT	CLEVELAND OH	278.2	PLN	DTVPLN	-DTVP0648
26	WVIZ	CLEVELAND OH	284.7	CP	BPEDT	-20080317ACT
26	WVIZ	CLEVELAND OH	284.7	APP	BMPEDT	-20080620AAF
26	WQEX-DT	PITTSBURGH PA	373.6	PLN	DTVPLN	-DTVP0651
27	WIPX	BLOOMINGTON IN	165.7	LIC	BLCDT	-20040406AAH

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

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
27	WBGU-TV	BOWLING GREEN OH	159.7	CP MOD	BMPEDT	-20080612ACP
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	BPCDT	-19991101ADJ
33	WISE-TV	FORT WAYNE IN	171.1	APP	BPCT	-20070123AAW
33	WISE-TV	FORT WAYNE IN	171.1	APP	BSTA	-20070123AAQ
33	WISE-TV	FORT WAYNE IN	171.1	LIC	BLCT	-19800410KH
33	WSTR-TV	CINCINNATI OH	62.6	CP MOD	BMPCDT	-20070720AAM
33	WSTR-DT	CINCINNATI OH	62.6	PLN	DTVPLN	-DTVP0912
33	WSTR-TV	CINCINNATI OH	62.6	APP	BMPCDT	-20080620AHH
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	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	167.6	LIC	BLCT	-19990922AAW
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	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	1.2	APP	BPCDT	-20080619ACK
40	WRCXLP	DAYTON OH	0.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
39	WKOI-DT	RICHMOND IN	DTVPLN	-DTVP1089

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WKMJ-DT	LOUISVILLE KY	163.9	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	182.7	PLN	DTVPLN	-NPLN1544
38	WOSU-DT	COLUMBUS OH	162.9	PLN	DTVPLN	-DTVP1062
39	WFWA	FORT WAYNE IN	183.0	PLN	DTVPLN	-NPLN1563
39	WBAK-DT	TERRE HAUTE IN	239.3	PLN	DTVPLN	-DTVP1090
39	WADL-DT	MOUNT CLEMENS MI	368.5	PLN	DTVPLN	-DTVP1093
39	WDLI-DT	CANTON OH	321.7	PLN	DTVPLN	-DTVP1100
39	WEMT	GREENEVILLE TN	422.9	PLN	DTVPLN	-NPLN1568
39	WHTN	MURFREESBORO TN	412.6	PLN	DTVPLN	-NPLN1569
39	WKRP-DT	CHARLESTON WV	272.8	PLN	DTVPLN	-DTVP1113
40	WFWA-DT	FORT WAYNE IN	183.0	PLN	DTVPLN	-DTVP1123
40	WHMBTV	INDIANAPOLIS IN	140.8	PLN	DTVPLN	-NPLN1583
40	WTVQ-DT	LEXINGTON KY	165.6	PLN	DTVPLN	-DTVP1125

Results for: 39A IN RICHMOND DTVPLN DTVP1089 PLN

HAAT 302.0 m, ATV ERP 59.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2765087	15244.1
not affected by terrain losses	2762201	15141.3
lost to NTSC IX	3206	159.2
lost to additional IX by ATV	31	2.0
lost to ATV IX only	33	5.9
lost to all IX	3237	161.1

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
43	WKOI	RICHMOND IN	DTVPLN	-NPLN1640

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WLWT-DT	CINCINNATI OH	44.2	PLN	DTVPLN	-DTVP0988
36	WTVQTV	LEXINGTON KY	165.6	PLN	DTVPLN	-NPLN1520
39	WKOI-DT	RICHMOND IN	0.0	PLN	DTVPLN	-DTVP1089
40	WHMBTV	INDIANAPOLIS IN	140.8	PLN	DTVPLN	-NPLN1583
41	WHIO-DT	DAYTON OH	41.4	PLN	DTVPLN	-DTVP1169
42	WCLJ	BLOOMINGTON IN	130.3	PLN	DTVPLN	-NPLN1620
42	WKLE-DT	LEXINGTON KY	183.5	PLN	DTVPLN	-DTVP1194
42	WPBOTV	PORTSMOUTH OH	159.3	PLN	DTVPLN	-NPLN1625
43	WYZZTV	BLOOMINGTON IL	406.4	PLN	DTVPLN	-NPLN1639
43	WCFC-DT	CHICAGO IL	365.6	PLN	DTVPLN	-DTVP1225
43	WKZT-DT	ELIZABETHTOWN KY	228.8	PLN	DTVPLN	-DTVP1226
43	WJUE	BATTLE CREEK MI	353.8	PLN	DTVPLN	-NPLN1641
43	WTVS-DT	DETROIT MI	348.4	PLN	DTVPLN	-DTVP1229
43	WUAB	LORAIN OH	322.3	PLN	DTVPLN	-NPLN1645
43	WPBO-DT	PORTSMOUTH OH	159.3	PLN	DTVPLN	-DTVP1238
43	WTNZ	KNOXVILLE TN	396.1	PLN	DTVPLN	-NPLN1649
44	WTBU-DT	INDIANAPOLIS IN	136.7	PLN	DTVPLN	-DTVP1262
44	WKON-DT	OWENTON KY	110.7	PLN	DTVPLN	-DTVP1265
44	WTLW	LIMA OH	144.3	PLN	DTVPLN	-NPLN1667
45	WXIN-DT	INDIANAPOLIS IN	140.3	PLN	DTVPLN	-DTVP1299
45	WRGTTV	DAYTON OH	40.2	PLN	DTVPLN	-NPLN1689
46	WTHR-DT	INDIANAPOLIS IN	140.0	PLN	DTVPLN	-DTVP1327
46	WWHO-DT	CHILLICOTHE OH	130.9	PLN	DTVPLN	-DTVP1336
47	WAVE-DT	LOUISVILLE KY	135.7	PLN	DTVPLN	-DTVP1361
50	WDTN-DT	DAYTON OH	39.8	PLN	DTVPLN	-DTVP1456
51	WKEF-DT	DAYTON OH	39.6	PLN	DTVPLN	-DTVP1488
58	WFTE	SALEM IN	166.4	PLN	DTVPLN	-NPLN1893
58	WPTD-DT	DAYTON OH	40.4	PLN	DTVPLN	-DTVP1632

Results for: 43N IN RICHMOND	DTVPLN	NPLN1640	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2765085	15244.1	
not affected by terrain losses	2758447	15067.1	
lost to NTSC IX	120692	371.7	
lost to additional IX by ATV	120339	611.9	
lost to all IX	241031	983.6	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WKOI-TV	RICHMOND IN	BLCDT	-20050920ABV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WKMJ-DT	LOUISVILLE KY	163.9	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	182.7	LIC	BLET	-19830725KL
38	WOSU-TV	COLUMBUS OH	162.9	APP	BPEDT	-20080620ADY
38	WOSU-DT	COLUMBUS OH	162.9	PLN	DTVPLN	-DTVP1062
38	WOSU-TV	COLUMBUS OH	162.9	LIC	BLEDT	-20040130AHB
39	WFWA	FORT WAYNE IN	183.0	LIC	BLET	-20060606ABF
39	NEW	NEW ALBANY IN	199.1	ADD	BPRM	-20000717ADC
39	WFXW	TERRE HAUTE IN	238.6	CP MOD	BMPCDT	-20070125ACT
39	WBAK-DT	TERRE HAUTE IN	239.3	PLN	DTVPLN	-DTVP1090
39	WLEX-TV	LEXINGTON KY	165.6	CP MOD	BMPCDT	-20050728AOP
39	WLEX-DR	LEXINGTON KY	165.6	LIC	BPRM	-20000801AAC
39	WADL	MOUNT CLEMENS MI	368.5	LIC	BLCDT	-20020507AAO
39	WADL-DT	MOUNT CLEMENS MI	368.5	PLN	DTVPLN	-DTVP1093
39	WDLI-TV	CANTON OH	309.7	LIC	BLCDT	-20030421ABK
39	WDLI-DT	CANTON OH	321.7	PLN	DTVPLN	-DTVP1100

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

39	WEMT	GREENEVILLE TN	422.9	LIC	BLCT	-20050411ABB
39	WHTN	MURFREESBORO TN	412.5	CP	BPCT	-20020509AAS
39	WLPX-TV	CHARLESTON WV	272.8	LIC	BLCDT	-20020510AAM
39	WKRQ-DT	CHARLESTON WV	272.8	PLN	DTVPLN	-DTVP1113
40	WFWA	FORT WAYNE IN	183.0	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	183.0	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	183.0	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	140.8	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	140.8	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	140.8	LIC	BLCT	-19990922AAW
40	WTVQ-TV	LEXINGTON KY	165.6	LIC	BLCDT	-20050728AMX
40	WTVQ-DT	LEXINGTON KY	165.6	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	165.6	CP MOD	BMPCDT	-20050728AMU
40	WRCXLP	DAYTON OH	40.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WKOI-TV	RICHMOND IN	BPCDT	-20080314ABK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WKMJ-DT	LOUISVILLE KY	163.9	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	182.7	LIC	BLET	-19830725KL
38	WOSU-TV	COLUMBUS OH	162.9	APP	BPEDT	-20080620ADY
38	WOSU-DT	COLUMBUS OH	162.9	PLN	DTVPLN	-DTVP1062
38	WOSU-TV	COLUMBUS OH	162.9	LIC	BLEDT	-20040130AHB
39	WFWA	FORT WAYNE IN	183.0	LIC	BLET	-20060606ABF
39	NEW	NEW ALBANY IN	199.1	ADD	BPRM	-20000717ADC
39	WFXW	TERRE HAUTE IN	238.6	CP MOD	BMPCDT	-20070125ACT
39	WBAK-DT	TERRE HAUTE IN	239.3	PLN	DTVPLN	-DTVP1090
39	WLEX-TV	LEXINGTON KY	165.6	CP MOD	BMPCDT	-20050728AOP
39	WLEX-DR	LEXINGTON KY	165.6	LIC	BPRM	-20000801AAC
39	WADL	MOUNT CLEMENS MI	368.5	LIC	BLCDT	-20020507AAO
39	WADL-DT	MOUNT CLEMENS MI	368.5	PLN	DTVPLN	-DTVP1093
39	WDLI-TV	CANTON OH	309.7	LIC	BLCDT	-20030421ABK
39	WDLI-DT	CANTON OH	321.7	PLN	DTVPLN	-DTVP1100
39	WEMT	GREENEVILLE TN	422.9	LIC	BLCT	-20050411ABB
39	WHTN	MURFREESBORO TN	412.5	CP	BPCT	-20020509AAS
39	WLPX-TV	CHARLESTON WV	272.8	LIC	BLCDT	-20020510AAM
39	WKRQ-DT	CHARLESTON WV	272.8	PLN	DTVPLN	-DTVP1113
40	WFWA	FORT WAYNE IN	183.0	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	183.0	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	183.0	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	140.8	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	140.8	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	140.8	LIC	BLCT	-19990922AAW
40	WTVQ-TV	LEXINGTON KY	165.6	LIC	BLCDT	-20050728AMX
40	WTVQ-DT	LEXINGTON KY	165.6	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	165.6	CP MOD	BMPCDT	-20050728AMU
40	WRCXLP	DAYTON OH	40.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

DTV Baseline Analysis

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Channel	Call	City/State	Application	Ref. No.
40	WFWA-DT	FORT WAYNE IN	DTVPLN	-DTVP1123

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WFWA	FORT WAYNE IN	0.0	PLN	DTVPLN	-NPLN1563
39	WKOI-DT	RICHMOND IN	183.0	PLN	DTVPLN	-DTVP1089
40	WHOI-DT	PEORIA IL	372.8	PLN	DTVPLN	-DTVP1122
40	WHMBTV	INDIANAPOLIS IN	159.4	PLN	DTVPLN	-NPLN1583
40	WTVQ-DT	LEXINGTON KY	347.9	PLN	DTVPLN	-DTVP1125
40	WWTW-DT	CADILLAC MI	337.4	PLN	DTVPLN	-DTVP1129
40	WLMB	TOLEDO OH	121.0	PLN	DTVPLN	-NPLN1592
40	WHIZ-DT	ZANESVILLE OH	300.7	PLN	DTVPLN	-DTVP1136
40	WHKE-DT	KENOSHA WI	294.1	PLN	DTVPLN	-DTVP1146
41	WOTV	BATTLE CREEK MI	164.7	PLN	DTVPLN	-NPLN1603
41	WXYZ-DT	DETROIT MI	221.3	PLN	DTVPLN	-DTVP1164
41	WHIO-DT	DAYTON OH	171.9	PLN	DTVPLN	-DTVP1169

Results for: 40A IN FORT WAYNE	DTVPLN	DTVP1123	PLN
HAAT 223.0 m, ATV ERP 50.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	687935	13459.5
not affected by terrain losses	687935	13459.5
lost to NTSC IX	11429	291.6
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	11429	291.6

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
39	WFWA	FORT WAYNE IN	DTVPLN	-NPLN1563

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WNDY-DT	MARION IN	123.4	PLN	DTVPLN	-DTVP0864
35	WNIT-DT	SOUTH BEND IN	101.3	PLN	DTVPLN	-DTVP0976
36	WFFT-DT	FORT WAYNE IN	0.7	PLN	DTVPLN	-DTVP1012
38	WSYM-DT	LANSING MI	158.1	PLN	DTVPLN	-DTVP1050
39	WAOE-DT	PEORIA IL	363.0	PLN	DTVPLN	-DTVP1088
39	WQRF-TV	ROCKFORD IL	355.1	PLN	DTVPLN	-NPLN1562
39	WKOI-DT	RICHMOND IN	183.0	PLN	DTVPLN	-DTVP1089
39	WBAK-DT	TERRE HAUTE IN	279.9	PLN	DTVPLN	-DTVP1090
39	WZZM-DT	GRAND RAPIDS MI	252.3	PLN	DTVPLN	-DTVP1092
39	WADL-DT	MOUNT CLEMENS MI	249.8	PLN	DTVPLN	-DTVP1093
39	WDLI-DT	CANTON OH	329.6	PLN	DTVPLN	-DTVP1100
40	WFWA-DT	FORT WAYNE IN	0.0	PLN	DTVPLN	-DTVP1123
40	WHMBTV	INDIANAPOLIS IN	159.4	PLN	DTVPLN	-NPLN1583
40	WLMB	TOLEDO OH	121.0	PLN	DTVPLN	-NPLN1592
42	WNDU-DT	SOUTH BEND IN	101.9	PLN	DTVPLN	-DTVP1193
46	WHMETV	SOUTH BEND IN	97.6	PLN	DTVPLN	-NPLN1701
47	WTLW-DT	LIMA OH	92.7	PLN	DTVPLN	-DTVP1369
53	WLAJ	LANSING MI	156.4	PLN	DTVPLN	-NPLN1825
54	WTTK-DT	KOKOMO IN	106.6	PLN	DTVPLN	-DTVP1548
54	WTLJ	MUSKEGON MI	214.2	PLN	DTVPLN	-NPLN1842

Results for: 39N IN FORT WAYNE	DTVPLN	NPLN1563	PLN
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	POPULATION	AREA (sq km)
within Noise Limited Contour	687935	13459.5
not affected by terrain losses	687905	13458.5
lost to NTSC IX	48	1.0
lost to additional IX by ATV	10895	292.6
lost to all IX	10943	293.6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

40 WFWA FORT WAYNE IN BLEDT -20041112ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WFWA	FORT WAYNE IN	0.0	LIC	BLET	-20060606ABF
39	WKOI-DT	RICHMOND IN	183.0	PLN	DTVPLN	-DTVP1089
39	WKOI-TV	RICHMOND IN	183.0	LIC	BLCDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	183.0	APP	BPCDT	-20080618ATM
39	WKOI-TV	RICHMOND IN	183.0	CP	BPCDT	-20080314ABK
40	WHOI-DT	PEORIA IL	372.8	PLN	DTVPLN	-DTVP1122
40	WHMB-TV	INDIANAPOLIS IN	159.4	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	159.4	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	159.4	LIC	BLCT	-19990922AAW
40	WTVQ-TV	LEXINGTON KY	347.9	LIC	BLCDT	-20050728AMX
40	WTVQ-DT	LEXINGTON KY	347.9	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	347.9	CP MOD	BMPCDT	-20050728AMU
40	WWTW-DT	CADILLAC MI	337.4	PLN	DTVPLN	-DTVP1129
40	WKAR-TV	EAST LANSING MI	188.9	APP	BMPEDT	-20080620AIJ
40	WKAR-TV	EAST LANSING MI	188.9	CP	BPEDT	-20080314ACE
40	WLMB	TOLEDO OH	121.0	LIC	BLCT	-19981029KE
40	WHIZ-TV	ZANESVILLE OH	300.7	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-DT	ZANESVILLE OH	300.7	PLN	DTVPLN	-DTVP1136
40	WHKE-DT	KENOSHA WI	294.1	PLN	DTVPLN	-DTVP1146
40	WPXE	KENOSHA WI	314.8	LIC	BLCDT	-20040206AAT
41	WOTV	BATTLE CREEK MI	164.7	LIC	BLCT	-19961120KE
41	WXYZ-DT	DETROIT MI	221.3	PLN	DTVPLN	-DTVP1164
41	WHIO-DT	DAYTON OH	171.9	PLN	DTVPLN	-DTVP1169
41	WHIO-TV	DAYTON OH	171.9	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	171.9	APP	BPCDT	-20080619ACK
40	WRCXLP	DAYTON OH	172.6	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
 Scenario 1 Affected station 4 WFWA
 Before Analysis

Results for: 40A IN FORT WAYNE BLEDT 20041112ACP LIC
 HAAT 221.0 m, ATV ERP 90.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	763467	16005.9
not affected by terrain losses	763365	16003.0
lost to NTSC IX	38975	793.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	528	11.9
lost to all IX	38975	793.8

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N OH TOLEDO	BLCT	19981029KE	LIC
40A MI CADILLAC	DTVPLN	DTVP1129	PLN
40A MI EAST LANSING	BPEDT	20080314ACE	CP

After Analysis

Results for: 40A IN FORT WAYNE BLEDT 20041112ACP LIC
 HAAT 221.0 m, ATV ERP 90.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	763467	16005.9
not affected by terrain losses	763365	16003.0
lost to NTSC IX	38975	793.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	528	11.9
lost to all IX	38975	793.8

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N OH TOLEDO	BLCT	19981029KE	LIC
40A MI CADILLAC	DTVPLN	DTVP1129	PLN
40A MI EAST LANSING	BPEDT	20080314ACE	CP
40N OH DAYTON	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 5

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
40	WTVQ-DT	LEXINGTON KY	DTVPLN	-DTVP1125

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WKOI-DT	RICHMOND IN	165.6	PLN	DTVPLN	-DTVP1089
40	WSIU-DT	CARBONDALE IL	424.4	PLN	DTVPLN	-DTVP1121
40	WFWA-DT	FORT WAYNE IN	347.9	PLN	DTVPLN	-DTVP1123
40	WHMBTV	INDIANAPOLIS IN	259.3	PLN	DTVPLN	-NPLN1583
40	WKNT	BOWLING GREEN KY	192.0	PLN	DTVPLN	-NPLN1584
40	WHKY-DT	HICKORY NC	373.6	PLN	DTVPLN	-DTVP1132
40	WLMB	TOLEDO OH	413.7	PLN	DTVPLN	-NPLN1592
40	WHIZ-DT	ZANESVILLE OH	296.0	PLN	DTVPLN	-DTVP1136
40	WFBCTV	ANDERSON SC	421.7	PLN	DTVPLN	-NPLN1595
40	WDSI-DT	CHATTANOOGA TN	323.7	PLN	DTVPLN	-DTVP1141
40	WLFB	BLUEFIELD WV	290.3	PLN	DTVPLN	-NPLN1597
41	WDRBT	LOUISVILLE KY	131.9	PLN	DTVPLN	-NPLN1602
41	WHIO-DT	DAYTON OH	189.3	PLN	DTVPLN	-DTVP1169
41	WSJK-DT	SNEEDVILLE TN	212.9	PLN	DTVPLN	-DTVP1174
41	WCHS-DT	CHARLESTON WV	221.4	PLN	DTVPLN	-DTVP1181

Results for: 40A KY LEXINGTON DTVPLN DTVP1125 PLN

HAAT 305.0 m, ATV ERP 69.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	702138	18278.6
not affected by terrain losses	696349	17915.1
lost to NTSC IX	1370	105.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	16	1.0
lost to all IX	1370	105.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
36	WTVQTV	LEXINGTON KY	DTVPLN	-NPLN1520

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WXIX-DT	NEWPORT KY	121.6	PLN	DTVPLN	-DTVP0744
29	WKSOTV	SOMERSET KY	103.6	PLN	DTVPLN	-NPLN1357
33	WSTR-DT	CINCINNATI OH	130.1	PLN	DTVPLN	-DTVP0912
34	WGRB	CAMPBELLSVILLE KY	125.5	PLN	DTVPLN	-NPLN1475
34	WCET-DT	CINCINNATI OH	121.8	PLN	DTVPLN	-DTVP0950
35	WKHA	HAZARD KY	141.5	PLN	DTVPLN	-NPLN1496
35	WLWT-DT	CINCINNATI OH	121.7	PLN	DTVPLN	-DTVP0988
36	WFFT-DT	FORT WAYNE IN	348.6	PLN	DTVPLN	-DTVP1012

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

36	WTWO-DT	TERRE HAUTE IN	292.8	PLN	DTVPLN	-DTVP1014
36	WKMU-DT	MURRAY KY	395.1	PLN	DTVPLN	-DTVP1016
36	WTTE-DT	COLUMBUS OH	268.1	PLN	DTVPLN	-DTVP1029
36	WKZX-DT	COOKEVILLE TN	228.0	PLN	DTVPLN	-DTVP1033
36	WEFC-DT	ROANOKE VA	384.5	PLN	DTVPLN	-DTVP1036
38	WKMJ-DT	LOUISVILLE KY	130.9	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	88.0	PLN	DTVPLN	-NPLN1544
40	WTVQ-DT	LEXINGTON KY	0.0	PLN	DTVPLN	-DTVP1125
43	WKOI	RICHMOND IN	165.6	PLN	DTVPLN	-NPLN1640
43	WKZT-DT	ELIZABETHTOWN KY	133.0	PLN	DTVPLN	-DTVP1226
43	WPBO-DT	PORTSMOUTH OH	141.5	PLN	DTVPLN	-DTVP1238
44	WKON-DT	OWENTON KY	65.6	PLN	DTVPLN	-DTVP1265
51	WFTE-DT	SALEM IN	131.9	PLN	DTVPLN	-DTVP1479

Results for: 36N KY LEXINGTON			DTVPLN	NPLN1520	PLN
			POPULATION	AREA (sq km)	
	within Noise Limited Contour		702085	18275.6	
	not affected by terrain losses		694223	17705.3	
	lost to NTSC IX		4512	304.4	
	lost to additional IX by ATV		7665	270.9	
	lost to all IX		12177	575.3	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WTVQ-TV	LEXINGTON KY	BLCDT	-20050728AMX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	NEW ALBANY IN	144.9	ADD	BPRM	-20000717ADC
39	WKOI-DT	RICHMOND IN	165.6	PLN	DTVPLN	-DTVP1089
39	WKOI-TV	RICHMOND IN	165.6	LIC	BLCDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	165.6	APP	BPCDT	-20080618ATM
39	WKOI-TV	RICHMOND IN	165.6	CP	BPCDT	-20080314ABK
39	WLEX-TV	LEXINGTON KY	0.0	CP MOD	BMPCDT	-20050728AOP
39	WLEX-DR	LEXINGTON KY	0.0	LIC	BPRM	-20000801AAC
40	WSIU-DT	CARBONDALE IL	424.4	PLN	DTVPLN	-DTVP1121
40	WSIU-TV	CARBONDALE IL	424.4	LIC	BLEDT	-20051215AAH
40	WFWA	FORT WAYNE IN	347.9	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	347.9	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	347.9	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	259.3	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	259.3	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	259.3	LIC	BLCT	-19990922AAW
40	WNKY	BOWLING GREEN KY	192.5	LIC	BLCT	-20060823AAS
40	WHKY-TV	HICKORY NC	374.6	APP	BPCDT	-20080619AAH
40	WHKY-DT	HICKORY NC	373.6	PLN	DTVPLN	-DTVP1132
40	WHKY-TV	HICKORY NC	373.6	LIC	BLCDT	-20060630ABW
40	WLMB	TOLEDO OH	413.7	LIC	BLCT	-19981029KE
40	WHIZ-TV	ZANESVILLE OH	296.0	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-DT	ZANESVILLE OH	296.0	PLN	DTVPLN	-DTVP1136
40	WMYA-TV	ANDERSON SC	421.7	LIC	BLCT	-19841010KJ
40	WDSI-DT	CHATTANOOGA TN	323.7	PLN	DTVPLN	-DTVP1141
40	WLFBS	BLUEFIELD WV	290.3	LIC	BLCT	-20001121AIB
40	WLFBS	BLUEFIELD WV	290.3	CP	BPCDT	-20080317AIS
41	WDRB	LOUISVILLE KY	131.9	CP	BPCT	-20050722ACB
41	WHIO-DT	DAYTON OH	189.3	PLN	DTVPLN	-DTVP1169
41	WHIO-TV	DAYTON OH	189.3	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	189.3	APP	BPCDT	-20080619ACK
41	WSJK-DT	SNEEDVILLE TN	212.9	PLN	DTVPLN	-DTVP1174
41	WCHS-TV	CHARLESTON WV	221.4	LIC	BLCDT	-20050621AAQ
41	WCHS-DT	CHARLESTON WV	221.4	PLN	DTVPLN	-DTVP1181
40	WRCXLP	DAYTON OH	188.3	APP	USERRECORD	-01

Total scenarios = 8

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Result key: 3
Scenario 1 Affected station 5 WTVQ-TV
Before Analysis

Results for: 40A KY LEXINGTON BLCDT 20050728AMX LIC
HAAT 286.0 m, ATV ERP 370.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	732878	20422.1
not affected by terrain losses	727154	19970.6
lost to NTSC IX	4186	146.9
lost to additional IX by ATV	337	39.4
lost to ATV IX only	930	83.8
lost to all IX	4523	186.3

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N KY BOWLING GREEN	BLCT	20060823AAS	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
41N KY LOUISVILLE	BPCT	20050722ACB	CP
39A KY LEXINGTON	BPRM	20000801AAC	LIC
40A IN FORT WAYNE	BLEDT	20041112ACP	LIC
40A NC HICKORY	BLCDT	20060630ABW	LIC
40A OH ZANESVILLE	BMPCDT	20071022BPE	CP
40A WV BLUEFIELD	BPCDT	20080317AIS	CP

After Analysis

Results for: 40A KY LEXINGTON BLCDT 20050728AMX LIC
HAAT 286.0 m, ATV ERP 370.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	732878	20422.1
not affected by terrain losses	727154	19970.6
lost to NTSC IX	4221	154.8
lost to additional IX by ATV	324	38.4
lost to ATV IX only	930	83.8
lost to all IX	4545	193.2

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N KY BOWLING GREEN	BLCT	20060823AAS	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
41N KY LOUISVILLE	BPCT	20050722ACB	CP
39A KY LEXINGTON	BPRM	20000801AAC	LIC
40A IN FORT WAYNE	BLEDT	20041112ACP	LIC
40A NC HICKORY	BLCDT	20060630ABW	LIC
40A OH ZANESVILLE	BMPCDT	20071022BPE	CP
40A WV BLUEFIELD	BPCDT	20080317AIS	CP
40N OH DAYTON	USERRECORD01		APP

Percent new IX = 0.0032%

Worst case new IX 0.0032% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WTVQ-TV	LEXINGTON KY	BMPCDT	-20050728AMU

Stations Potentially Affecting This Station

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	NEW	NEW ALBANY IN	144.9	ADD	BPRM	-20000717ADC
39	WKOI-DT	RICHMOND IN	165.6	PLN	DTVPLN	-DTVP1089
39	WKOI-TV	RICHMOND IN	165.6	LIC	BLCDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	165.6	APP	BPCDT	-20080618ATM
39	WKOI-TV	RICHMOND IN	165.6	CP	BPCDT	-20080314ABK
39	WLEX-TV	LEXINGTON KY	0.0	CP MOD	BMPCDT	-20050728AOP
39	WLEX-DR	LEXINGTON KY	0.0	LIC	BPRM	-20000801AAC
40	WSIU-DT	CARBONDALE IL	424.4	PLN	DTVPLN	-DTVP1121
40	WSIU-TV	CARBONDALE IL	424.4	LIC	BLEDT	-20051215AAH
40	WFWA	FORT WAYNE IN	347.9	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	347.9	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	347.9	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	259.3	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	259.3	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	259.3	LIC	BLCT	-19990922AAW
40	WNKY	BOWLING GREEN KY	192.5	LIC	BLCT	-20060823AAS
40	WHKY-TV	HICKORY NC	374.6	APP	BPCDT	-20080619AAH
40	WHKY-DT	HICKORY NC	373.6	PLN	DTVPLN	-DTVP1132
40	WHKY-TV	HICKORY NC	373.6	LIC	BLCDT	-20060630ABW
40	WLMB	TOLEDO OH	413.7	LIC	BLCT	-19981029KE
40	WHIZ-TV	ZANESVILLE OH	296.0	CP MOD	BMPCDT	-20071022BPE
40	WHIZ-DT	ZANESVILLE OH	296.0	PLN	DTVPLN	-DTVP1136
40	WMYA-TV	ANDERSON SC	421.7	LIC	BLCT	-19841010KJ
40	WDSI-DT	CHATTANOOGA TN	323.7	PLN	DTVPLN	-DTVP1141
40	WLFB	BLUEFIELD WV	290.3	LIC	BLCT	-20001121AIB
40	WLFB	BLUEFIELD WV	290.3	CP	BPCDT	-20080317AIS
41	WDRB	LOUISVILLE KY	131.9	CP	BPCT	-20050722ACB
41	WHIO-DT	DAYTON OH	189.3	PLN	DTVPLN	-DTVP1169
41	WHIO-TV	DAYTON OH	189.3	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	189.3	APP	BPCDT	-20080619ACK
41	WSJK-DT	SNEEDVILLE TN	212.9	PLN	DTVPLN	-DTVP1174
41	WCHS-TV	CHARLESTON WV	221.4	LIC	BLCDT	-20050621AAQ
41	WCHS-DT	CHARLESTON WV	221.4	PLN	DTVPLN	-DTVP1181
40	WRCXLP	DAYTON OH	188.3	APP	USERRECORD-01	

Total scenarios = 1

Result key: 11
Scenario 1 Affected station 6 WTVQ-TV
Before Analysis

Results for: 40A KY LEXINGTON BMPCDT 20050728AMU CP
HAAT 286.0 m, ATV ERP 370.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	727796	20256.2
not affected by terrain losses	722294	19827.4
lost to NTSC IX	3428	119.3
lost to additional IX by ATV	470	46.3
lost to ATV IX only	871	83.8
lost to all IX	3898	165.6

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N KY BOWLING GREEN	BLCT	20060823AAS	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
39A KY LEXINGTON	BPRM	20000801AAC	LIC
40A OH ZANESVILLE	BMPCDT	20071022BPE	CP
40A WV BLUEFIELD	BPCDT	20080317AIS	CP

After Analysis

Results for: 40A KY LEXINGTON BMPCDT 20050728AMU CP
HAAT 286.0 m, ATV ERP 370.0 kW
POPULATION AREA (sq km)

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

within Noise Limited Contour	727796	20256.2
not affected by terrain losses	722294	19827.4
lost to NTSC IX	3566	123.2
lost to additional IX by ATV	470	46.3
lost to ATV IX only	871	83.8
lost to all IX	4036	169.5

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N KY BOWLING GREEN	BLCT	20060823AAS	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
39A KY LEXINGTON	BPRM	20000801AAC	LIC
40A OH ZANESVILLE	BMPCDT	20071022BPE	CP
40A WV BLUEFIELD	BPCDT	20080317AIS	CP
40N OH DAYTON	USERRECORD01		APP

Percent new IX = 0.0199%

Worst case new IX 0.0199% Scenario 1

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Analysis of Interference to Affected Station 7

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
40	WHIZ-DT	ZANESVILLE OH	DTVPLN	-DTVP1136

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WDLI-DT	CANTON OH	118.8	PLN	DTVPLN	-DTVP1100
39	WKRP-DT	CHARLESTON WV	163.1	PLN	DTVPLN	-DTVP1113
40	WFWA-DT	FORT WAYNE IN	300.7	PLN	DTVPLN	-DTVP1123
40	WHMBTV	INDIANAPOLIS IN	359.8	PLN	DTVPLN	-NPLN1583
40	WTVQ-DT	LEXINGTON KY	296.0	PLN	DTVPLN	-DTVP1125
40	WLMB	TOLEDO OH	264.6	PLN	DTVPLN	-NPLN1592
40	WPCBT	GREENSBURG PA	194.2	PLN	DTVPLN	-NPLN1593
40	WLF	BLUEFIELD WV	307.7	PLN	DTVPLN	-NPLN1597
41	WHIO-DT	DAYTON OH	194.3	PLN	DTVPLN	-DTVP1169
41	WKBN-DT	YOUNGSTOWN OH	169.1	PLN	DTVPLN	-DTVP1170
41	WCHS-DT	CHARLESTON WV	169.2	PLN	DTVPLN	-DTVP1181

Results for: 40A OH ZANESVILLE DTVPLN DTVP1136 PLN

HAAT 162.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	411580	11073.4
not affected by terrain losses	407939	10964.3
lost to NTSC IX	1631	88.4
lost to additional IX by ATV	0	0.0
lost to ATV IX only	105	3.9
lost to all IX	1631	88.4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	WHIZTV	ZANESVILLE OH	DTVPLN	-NPLN1028

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMH-DT	COLUMBUS OH	89.0	PLN	DTVPLN	-DTVP0145
15	WTAPT	PARKERSBURG WV	73.7	PLN	DTVPLN	-NPLN0943
17	WDLI	CANTON OH	118.8	PLN	DTVPLN	-NPLN0999
17	WUXA-DT	PORTSMOUTH OH	159.3	PLN	DTVPLN	-DTVP0275

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

18	WLFITV	LAFAYETTE IN	396.4	PLN	DTVPLN	-NPLN1017
18	WLEXTV	LEXINGTON KY	299.3	PLN	DTVPLN	-NPLN1019
18	WHTV	JACKSON MI	326.6	PLN	DTVPLN	-NPLN1021
18	WTJC-DT	SPRINGFIELD OH	159.8	PLN	DTVPLN	-DTVP0318
18	WDBJ-DT	ROANOKE VA	342.9	PLN	DTVPLN	-DTVP0331
19	WOIO	SHAKER HEIGHTS OH	164.0	PLN	DTVPLN	-NPLN1054
19	WVAH-DT	CHARLESTON WV	167.6	PLN	DTVPLN	-DTVP0382
20	WOUBTV	ATHENS OH	69.7	PLN	DTVPLN	-NPLN1087
21	WBNS-DT	COLUMBUS OH	89.0	PLN	DTVPLN	-DTVP0452
25	WKAS	ASHLAND KY	171.9	PLN	DTVPLN	-NPLN1245
25	WVIZ	CLEVELAND OH	158.4	PLN	DTVPLN	-NPLN1255
32	WTRF-DT	WHEELING WV	106.0	PLN	DTVPLN	-DTVP0890
33	WYTV	YOUNGSTOWN OH	170.0	PLN	DTVPLN	-NPLN1456
33	WPBYTV	HUNTINGTON WV	160.4	PLN	DTVPLN	-NPLN1463

Results for: 18N OH ZANESVILLE	DTVPLN	NPLN1028	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	411580	11073.4	
not affected by terrain losses	403019	10784.5	
lost to NTSC IX	6891	193.5	
lost to additional IX by ATV	26325	245.6	
lost to all IX	33216	439.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WHIZ-TV	ZANESVILLE OH	BMPCDT	-20071022BPE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WDLI-TV	CANTON OH	129.6	LIC	BLCDT	-20030421ABK
39	WDLI-DT	CANTON OH	118.8	PLN	DTVPLN	-DTVP1100
39	WLPX-TV	CHARLESTON WV	163.1	LIC	BLCDT	-20020510AAM
39	WKRP-DT	CHARLESTON WV	163.1	PLN	DTVPLN	-DTVP1113
40	WFWA	FORT WAYNE IN	300.7	APP	BPEDT	-20080617ADU
40	WFWA-DT	FORT WAYNE IN	300.7	PLN	DTVPLN	-DTVP1123
40	WFWA	FORT WAYNE IN	300.7	LIC	BLEDT	-20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	359.8	APP	BSTA	-20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	359.8	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	359.8	LIC	BLCT	-19990922AAW
40	WTVQ-TV	LEXINGTON KY	296.0	LIC	BLCDT	-20050728AMX
40	WTVQ-DT	LEXINGTON KY	296.0	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	296.0	CP MOD	BMPCDT	-20050728AMU
40	WKAR-TV	EAST LANSING MI	368.9	APP	BMPEDT	-20080620AIJ
40	WKAR-TV	EAST LANSING MI	368.9	CP	BPEDT	-20080314ACE
40	WLMB	TOLEDO OH	264.5	LIC	BLCT	-19981029KE
40	WPCB-TV	GREENSBURG PA	194.2	LIC	BLCT	-19990706KF
40	WLFB	BLUEFIELD WV	307.7	LIC	BLCT	-20001121AIB
40	WLFB	BLUEFIELD WV	307.7	CP	BPCDT	-20080317AIS
41	WHIO-DT	DAYTON OH	194.3	PLN	DTVPLN	-DTVP1169
41	WHIO-TV	DAYTON OH	194.3	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	194.3	APP	BPCDT	-20080619ACK
41	WKBN-DT	YOUNGSTOWN OH	169.1	PLN	DTVPLN	-DTVP1170
41	WKBN-TV	YOUNGSTOWN OH	169.0	CP	BPCDT	-19991025ACU
41	WCHS-TV	CHARLESTON WV	169.2	LIC	BLCDT	-20050621AAQ
41	WCHS-DT	CHARLESTON WV	169.2	PLN	DTVPLN	-DTVP1181
40	WRCXLP	DAYTON OH	195.1	APP	USERRECORD	-01

Total scenarios = 15

Result key:

12

Scenario 1 Affected station

7 WHIZ-TV

Before Analysis

Results for: 40A OH ZANESVILLE BMPCDT 20071022BPE CP
HAAT 169.0 m, ATV ERP 620.0 kW

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

	POPULATION	AREA (sq km)
within Noise Limited Contour	724667	17409.7
not affected by terrain losses	677001	16939.2
lost to NTSC IX	37273	396.8
lost to additional IX by ATV	252	7.9
lost to ATV IX only	8983	97.2
lost to all IX	37525	404.7

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N OH TOLEDO	BLCT	19981029KE	LIC
40N PA GREENSBURG	BLCT	19990706KF	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
39A OH CANTON	BLC DT	20030421ABK	LIC
40A IN FORT WAYNE	DTVPLN	DTVP1123	PLN
40A KY LEXINGTON	BLC DT	20050728AMX	LIC
40A WV BLUEFIELD	BPCDT	20080317AIS	CP

After Analysis

Results for: 40A OH ZANESVILLE BMPCDT 20071022BPE CP
HAAT 169.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	724667	17409.7
not affected by terrain losses	677001	16939.2
lost to NTSC IX	37461	403.7
lost to additional IX by ATV	252	7.9
lost to ATV IX only	8983	97.2
lost to all IX	37713	411.5

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
40N OH TOLEDO	BLCT	19981029KE	LIC
40N PA GREENSBURG	BLCT	19990706KF	LIC
40N WV BLUEFIELD	BLCT	20001121AIB	LIC
39A OH CANTON	BLC DT	20030421ABK	LIC
40A IN FORT WAYNE	DTVPLN	DTVP1123	PLN
40A KY LEXINGTON	BLC DT	20050728AMX	LIC
40A WV BLUEFIELD	BPCDT	20080317AIS	CP
40N OH DAYTON	USERRECORD01		APP

Percent new IX = 0.0463%

Worst case new IX 0.0463% Scenario 1

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Analysis of Interference to Affected Station 8

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.
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

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

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	3279656	28153.1
not affected by terrain losses	3266868	27900.9
lost to NTSC IX	30946	488.7
lost to additional IX by ATV	4409	160.6
lost to ATV IX only	8634	283.8
lost to all IX	35355	649.3

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	3279745	28152.1
not affected by terrain losses	3209002	26520.4
lost to NTSC IX	153969	3937.3
lost to additional IX by ATV	298	8.9
lost to all IX	154267	3946.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WHIO-TV	DAYTON OH	BLCDT	-20040614AEY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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	APP	BSTA	-20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	168.1	LIC	BLCT	-19990922AAW
40	WTVQ-TV	LEXINGTON KY	189.3	LIC	BLCDT	-20050728AMX
40	WTVQ-DT	LEXINGTON KY	189.3	PLN	DTVPLN	-DTVP1125
40	WTVQ-TV	LEXINGTON KY	189.3	CP MOD	BMPCDT	-20050728AMU
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

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

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	APP	BPCDT	-20080618ATP
42	WCLJ-TV	BLOOMINGTON IN	166.8	CP	BPCDT	-20080314ABE
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	212.8	CP MOD	BMPCDT	-20071213AAS
40	WRCXLP	DAYTON OH	1.2	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.
40	WRCXLP	DAYTON OH	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WSTR-TV	CINCINNATI OH	62.6	CP MOD	BMPCDT -20070720AAM
33	WSTR-DT	CINCINNATI OH	62.6	PLN	DTVPLN -DTVP0912
33	WSTR-TV	CINCINNATI OH	62.6	APP	BMPCDT -20080620AHH
36	WTTE-DT	COLUMBUS OH	123.4	PLN	DTVPLN -DTVP1029
36	WTTE	COLUMBUS OH	107.9	CP	BPCDT -19991029AGZ
38	WOSU-TV	COLUMBUS OH	123.4	APP	BPEDT -20080620ADY
38	WOSU-DT	COLUMBUS OH	123.4	PLN	DTVPLN -DTVP1062
38	WOSU-TV	COLUMBUS OH	123.4	LIC	BLEDT -20040130AHB
39	WKOI-DT	RICHMOND IN	40.2	PLN	DTVPLN -DTVP1089
39	WKOI-TV	RICHMOND IN	40.2	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	40.2	APP	BPCDT -20080618ATM
39	WKOI-TV	RICHMOND IN	40.2	CP	BPCDT -20080314ABK
39	WOCB-CA	MARION OH	137.4	APP	BDFCDTA -20080804AAW
40	W40BY	PALATINE IL	371.8	CP	BDFCDTT -20060327ABZ
40	WHCH-LP	CHESTERTON IN	307.4	LIC	BLDTL -20070822AAF
40	WFWA	FORT WAYNE IN	172.6	APP	BPEDT -20080617ADU
40	WFWA-DT	FORT WAYNE IN	172.6	PLN	DTVPLN -DTVP1123
40	WFWA	FORT WAYNE IN	172.6	LIC	BLEDT -20041112ACP
40	WHMB-TV	INDIANAPOLIS IN	167.6	APP	BSTA -20080505ABY
40	WHMB-TV	INDIANAPOLIS IN	167.6	APP	BSTA -20071113AEF
40	WHMB-TV	INDIANAPOLIS IN	167.6	LIC	BLCT -19990922AAW
40	WHAN-LD	SALEM IN	201.4	CP	BDCCDTL -20061003AAP
40	WNKY	BOWLING GREEN KY	342.7	LIC	BLCT -20060823AAS
40	WTVQ-TV	LEXINGTON KY	188.3	LIC	BLCDT -20050728AMX
40	WTVQ-DT	LEXINGTON KY	188.3	PLN	DTVPLN -DTVP1125
40	WTVQ-TV	LEXINGTON KY	188.3	CP MOD	BMPCDT -20050728AMU
40	NEW	DETROIT MI	307.1	APP	BDCCDTL -20061027ACH
40	WKAR-TV	EAST LANSING MI	331.2	APP	BPEDT -20080620AIJ
40	WKAR-TV	EAST LANSING MI	331.2	CP	BPEDT -20080314ACE
40	NEW	CLEVELAND OH	292.7	APP	BDCCDTL -20061030AGC
40	WLMB	TOLEDO OH	225.4	LIC	BLCT -19981029KE
40	WHIZ-TV	ZANESVILLE OH	195.1	CP MOD	BMPCDT -20071022BPE
40	WHIZ-DT	ZANESVILLE OH	195.1	PLN	DTVPLN -DTVP1136
40	WPCB-TV	GREENSBURG PA	387.7	LIC	BLCT -19990706KF
40	W61DG	MORRISTOWN TN	397.0	CP	BDISDTT -20060330AJL
40	WLFB	BLUEFIELD WV	381.3	LIC	BLCT -20001121AIB
40	WLFB	BLUEFIELD WV	381.3	CP	BPCDT -20080317AIS
41	WHIO-DT	DAYTON OH	1.2	PLN	DTVPLN -DTVP1169

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

41	WHIO-TV	DAYTON OH	1.2	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	1.2	APP	BPCDT	-20080619ACK
44	WKON-DT	OWENTON KY	141.6	PLN	DTVPLN	-DTVP1265
44	WTLW	LIMA OH	115.6	CP MOD	BMPCDT	-20080616ABV
47	WTLW	LIMA OH	115.6	LIC	BLCDT	-20060809AFC
47	WTLW-DT	LIMA OH	115.6	PLN	DTVPLN	-DTVP1369
48	WSYX-DR	COLUMBUS OH	107.9	APP	BPRM	-20080620AOV
54	WCVN-TV	COVINGTON KY	80.1	LIC	BLET	-19830812KM

Total scenarios = 9

Result key: 27
 Scenario 1 Affected station 9 WRCXLP
 Before Analysis

Results for: 40N OH DAYTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	20041	273.0
lost to all IX	20508	275.9

Potential Interfering Stations Included in above Scenario 1

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BLCDT	20050920ABV	LIC
41A OH DAYTON	DTVPLN	DTVP1169	PLN

Result key: 28
 Scenario 2 Affected station 9 WRCXLP
 Before Analysis

Results for: 40N OH DAYTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	52242	272.0
lost to all IX	52709	274.9

Potential Interfering Stations Included in above Scenario 2

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BLCDT	20050920ABV	LIC
41A OH DAYTON	BLCDT	20040614AEY	LIC

Result key: 29
 Scenario 3 Affected station 9 WRCXLP
 Before Analysis

Results for: 40N OH DAYTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	20041	273.0
lost to all IX	20508	275.9

Potential Interfering Stations Included in above Scenario 3

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080314ABK	CP
41A OH DAYTON	DTVPLN	DTVP1169	PLN

Result key: 30

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

Scenario 4 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	51971	265.1
lost to all IX	52438	268.0

Potential Interfering Stations Included in above Scenario 4

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080314ABK	CP
41A OH DAYTON	BLCDT	20040614AEY	LIC

Result key: 31
Scenario 5 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	103673	825.8
lost to all IX	104140	828.8

Potential Interfering Stations Included in above Scenario 5

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BLCDT	20050920ABV	LIC
41A OH DAYTON	BPCDT	20080619ACK	APP

Result key: 32
Scenario 6 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	20621	278.9
lost to all IX	21088	281.8

Potential Interfering Stations Included in above Scenario 6

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080618ATM	APP
41A OH DAYTON	DTVPLN	DTVP1169	PLN

Result key: 33
Scenario 7 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	52932	285.8
lost to all IX	53399	288.7

Potential Interfering Stations Included in above Scenario 7

OET-69 Interference Analysis (WRCX-LP, Dayton, OH, Channel 40) (Worst-Case Scenarios)

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080618ATM	APP
41A OH DAYTON	BLCDT	20040614AEY	LIC

Result key: 34
Scenario 8 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	103673	825.8
lost to all IX	104140	828.8

Potential Interfering Stations Included in above Scenario 8

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080618ATM	APP
41A OH DAYTON	BPCDT	20080619ACK	APP

Result key: 35
Scenario 9 Affected station 9 WRCXLP
Before Analysis

Results for: 40N OH DAYTON	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	842717	2437.0
not affected by terrain losses	841476	2434.1
lost to NTSC IX	467	3.0
lost to additional IX by ATV	103673	825.8
lost to all IX	104140	828.8

Potential Interfering Stations Included in above Scenario 9

40N IN INDIANAPOLIS	BLCT	19990922AAW	LIC
39A IN RICHMOND	BPCDT	20080314ABK	CP
41A OH DAYTON	BPCDT	20080619ACK	APP

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