

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

NEW-LD USERRECORD-01 KALAMAZOO MI US
Channel 30 ERP 15. kW HAAT 124. m RCAMSL 00386 m FULL SERVICE MASK
Latitude 042-18-24 Longitude 0085-39-25
Status APP Zone 1 Border Site number: 01
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
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	15.000	133.0	45.5
45.0	15.000	116.0	44.3
90.0	15.000	128.9	45.3
135.0	15.000	122.7	44.8
180.0	15.000	109.8	43.8
225.0	15.000	105.3	43.3
270.0	15.000	137.3	45.8
315.0	15.000	139.0	46.0

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

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 = 207.0km

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
30	NEW-LD KALAMAZOO MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

29	WMAQ-TV	CHICAGO IL	170.0	LIC	BLCDDT	-20010531ACY
29	W29DX-D	FORT WAYNE IN	158.5	CP MOD	BMPDPTL	-20110504ABR
29	WUHQ-LD	GRAND RAPIDS MI	72.0	LIC	BLDDTL	-20111121AAI
29	WOMS-CD	MUSKEGON MI	111.6	LIC	BLDDTA	-20110812ACT
29	W29EL-D	LIMA OH	182.5	CP	BNPDPTL	-20100609AFJ
29	WGTE-TV	TOLEDO OH	197.5	LIC	BLEDDT	-20031110AKO
30	WCRD-LP	CARTHAGE IL	288.9	CP	BDCCDDTL	-20061030AMS
30	WDCI-LD	CHICAGO IL	168.7	LIC	BLDDTL	-20120131AAW
30	WDCI-LD	CHICAGO IL	168.7	APP	BSTA	-20111214AEE
30	WMBD-TV	PEORIA IL	372.8	LIC	BLCDDT	-20061019ADD
30	WSPY-LP	PLANO IL	251.5	LIC	BLTTTL	-19900514IR
30	W30DO-D	BRAZIL IN	376.0	CP	BNPDPTL	-20100510AFI
30	W30DI-D	WOLCOTT IN	206.9	CP	BNPDPTL	-20100112AEB
30	WEYI-TV	SAGINAW MI	187.6	LIC	BLCDDT	-20040123ASH
30	WBNX-TV	AKRON OH	343.6	LIC	BLCDDT	-20070430AXX
30	WRGT-TV	DAYTON OH	310.2	LIC	BLCDDT	-20050621AAU
30	WRGT-TV	DAYTON OH	310.2	CP	BPCDDT	-20110610ACR
30	WIWN	COLUMBUS WI	303.6	CP MOD	BMPCDDT	-20120525ADX
30	W30BU	GREEN BAY WI	295.7	CP	BDFCDDTL	-20090806ACF
30	W30BU	GREEN BAY WI	295.7	LIC	BLTTTL	-20030923AAD
30	WPVS-LP	SHEBOYGAN WI	203.4	CP MOD	BMPDPTL	-20130205ACP
31	WFLD	CHICAGO IL	170.0	LIC	BLCDDT	-20090223ABV
31	WANE-TV	FORT WAYNE IN	140.5	LIC	BLCDDT	-20090622ACE
31	W31DP-D	LAFAYETTE IN	206.9	CP MOD	BMPDPTL	-20111011ADV
38	WMKG-CA	MUSKEGON MI	112.6	LIC	BLTTTL	-20040824AAW

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	WMAQ-TV	CHICAGO IL	BLCDDT -20010531ACY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	WYZZ-TV	BLOOMINGTON IL	188.2	LIC	BLCDDT -20060609ABE
28	WSJV	ELKHART IN	123.1	LIC	BLCDDT -20100115AAE
28	WTMJ-TV	MILWAUKEE WI	136.5	LIC	BLCDDT -20001218ACR
29	WTTK	KOKOMO IN	251.9	LIC	BLCDDT -20090930ABD
29	WXIX-TV	NEWPORT KY	402.5	LIC	BLCDDT -20000908ABI
29	WGTU	TRAVERSE CITY MI	380.5	LIC	BLCDDT -20090622AFH
29	WGTE-TV	TOLEDO OH	349.4	LIC	BLEDDT -20031110AKO
30	WMBD-TV	PEORIA IL	210.7	LIC	BLCDDT -20061019ADD
30	NEW-LD	KALAMAZOO MI	170.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	W29DX-D	FORT WAYNE IN	BMPDPTL -20110504ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	WSJV	ELKHART IN	124.7	LIC	BLCDDT -20100115AAE
29	WMAQ-TV	CHICAGO IL	244.0	LIC	BLCDDT -20010531ACY
29	WTTK	KOKOMO IN	159.9	LIC	BLCDDT -20090930ABD
29	WXIX-TV	NEWPORT KY	209.3	LIC	BLCDDT -20000908ABI
29	W29EL-D	LIMA OH	33.8	CP	BNPDPTL -20100609AFJ
29	WGTE-TV	TOLEDO OH	148.7	LIC	BLEDDT -20031110AKO
30	NEW-LD	KALAMAZOO MI	158.5	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	WUHQ-LD	GRAND RAPIDS MI	BLDTL -20111121AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WMAQ-TV	CHICAGO IL	198.9	LIC	BLCDT -20010531ACY
29	WTTK	KOKOMO IN	343.3	LIC	BLCDT -20090930ABD
29	WOMS-CD	MUSKEGON MI	46.0	LIC	BLDTA -20110812ACT
29	WGTU	TRAVERSE CITY MI	205.7	LIC	BLCDT -20090622AFH
29	WGTE-TV	TOLEDO OH	235.5	LIC	BLEDT -20031110AKO
29	WPVS-LP	MILWAUKEE WI	191.9	LIC	BLTTL -20080221AAP
30	NEW-LD	KALAMAZOO MI	72.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	WOMS-CD	MUSKEGON MI	BLDTA -20110812ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WMAQ-TV	CHICAGO IL	199.9	LIC	BLCDT -20010531ACY
29	WTTK	KOKOMO IN	375.1	LIC	BLCDT -20090930ABD
29	WUHQ-LD	GRAND RAPIDS MI	46.0	LIC	BLDTL -20111121AAI
29	WGTU	TRAVERSE CITY MI	183.7	LIC	BLCDT -20090622AFH
29	WGTE-TV	TOLEDO OH	280.8	LIC	BLEDT -20031110AKO
29	WPVS-LP	MILWAUKEE WI	153.0	LIC	BLTTL -20080221AAP
30	NEW-LD	KALAMAZOO MI	111.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	W29EL-D	LIMA OH	BNPDTL -20100609AFJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WMAQ-TV	CHICAGO IL	277.7	LIC	BLCDT -20010531ACY
29	W29DX-D	FORT WAYNE IN	33.8	CP MOD	BMPDTL -20110504ABR
29	WTTK	KOKOMO IN	175.0	LIC	BLCDT -20090930ABD
29	WXIX-TV	NEWPORT KY	194.6	LIC	BLCDT -20000908ABI
29	WGTE-TV	TOLEDO OH	130.1	LIC	BLEDT -20031110AKO
30	WRGT-TV	DAYTON OH	130.7	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	130.7	CP	BPCDT -20110610ACR
30	NEW-LD	KALAMAZOO MI	182.5	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Channel	Call	City/State	Application	Ref. No.
29	WGTE-TV	TOLEDO OH	BLEDT	-20031110AKO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WCMZ-TV	FLINT MI	138.0	LIC	BLEDT	-20110218AAR
28	WUAB	LORAIN OH	145.8	LIC	BLCDT	-20020516AAG
29	WMAQ-TV	CHICAGO IL	349.4	LIC	BLCDT	-20010531ACY
29	WTTK	KOKOMO IN	304.9	LIC	BLCDT	-20090930ABD
29	WXIX-TV	NEWPORT KY	297.2	LIC	BLCDT	-20000908ABI
29	WGTU	TRAVERSE CITY MI	368.2	LIC	BLCDT	-20090622AFH
30	WEYI-TV	SAGINAW MI	175.0	LIC	BLCDT	-20040123ASH
30	WBNX-TV	AKRON OH	147.7	LIC	BLCDT	-20070430AXX
30	WRGT-TV	DAYTON OH	225.7	LIC	BLCDT	-20050621AAU
30	WRGT-TV	DAYTON OH	225.7	CP	BPCDT	-20110610ACR
30	NEW-LD	KALAMAZOO MI	197.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WCRD-LP	CARTHAGE IL	BDCCDTL	-20061030AMS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	W29EI-D	LA SALLE IL	75.4	CP	BNPDTL	-20100721DRE
30	DKHHH-LP	CEDAR RAPIDS IA	210.6	CP	BDISDTL	-20110203ADT
30	WDCI-LD	CHICAGO IL	135.7	LIC	BLDTL	-20120131AAW
30	WDCI-LD	CHICAGO IL	135.7	APP	BSTA	-20111214AEE
30	WMBD-TV	PEORIA IL	187.2	LIC	BLCDT	-20061019ADD
30	WSPY-LP	PLANO IL	85.7	LIC	BLTTL	-19900514IR
30	WIWN	COLUMBUS WI	116.6	CP MOD	BMPCDT	-20120525ADX
30	WHLA-TV	LA CROSSE WI	244.8	LIC	BMLEDT	-20041013AAL
30	WPVS-LP	SHEBOYGAN WI	136.4	CP MOD	BMPDTL	-20130205ACP
31	W31DT-D	STERLING - DIXON IL	57.0	CP	BDCCDTL	-20110726AJF
30	NEW-LD	KALAMAZOO MI	288.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WDCI-LD	CHICAGO IL	BLDTL	-20120131AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WMAQ-TV	CHICAGO IL	1.4	LIC	BLCDT	-20010531ACY
30	WCRD-LP	CARTHAGE IL	135.7	CP	BDCCDTL	-20061030AMS
30	WMBD-TV	PEORIA IL	212.0	LIC	BLCDT	-20061019ADD
30	WSPY-LP	PLANO IL	82.8	LIC	BLTTL	-19900514IR
30	W30DI-D	WOLCOTT IN	133.2	CP	BNPDTL	-20100112AEB
30	WEYI-TV	SAGINAW MI	352.0	LIC	BLCDT	-20040123ASH
30	WRGT-TV	DAYTON OH	371.3	LIC	BLCDT	-20050621AAU
30	WRGT-TV	DAYTON OH	371.3	CP	BPCDT	-20110610ACR
30	WIWN	COLUMBUS WI	202.5	CP MOD	BMPCDT	-20120525ADX
30	WHLA-TV	LA CROSSE WI	372.4	LIC	BMLEDT	-20041013AAL
30	WPVS-LP	SHEBOYGAN WI	136.6	CP MOD	BMPDTL	-20130205ACP
31	WFLD	CHICAGO IL	1.4	LIC	BLCDT	-20090223ABV
30	NEW-LD	KALAMAZOO MI	168.7	APP	USERRECORD-01	

Proposal causes no interference

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WDCI-LD	CHICAGO IL	BSTA	-20111214AEE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WMAQ-TV	CHICAGO IL	1.4	LIC	BLCDDT	-20010531ACY
30	WCRD-LP	CARTHAGE IL	135.7	CP	BDCCDDL	-20061030AMS
30	WMBD-TV	PEORIA IL	212.0	LIC	BLCDDT	-20061019ADD
30	WSPY-LP	PLANO IL	82.8	LIC	BLTTL	-19900514IR
30	W30DI-D	WOLCOTT IN	133.2	CP	BNPDDL	-20100112AEB
30	WEYI-TV	SAGINAW MI	352.0	LIC	BLCDDT	-20040123ASH
30	WRGT-TV	DAYTON OH	371.3	LIC	BLCDDT	-20050621AAU
30	WRGT-TV	DAYTON OH	371.3	CP	BPCDDT	-20110610ACR
30	WIWN	COLUMBUS WI	202.5	CP MOD	BMPCDDT	-20120525ADX
30	WHLA-TV	LA CROSSE WI	372.4	LIC	BMLEDL	-20041013AAL
30	WPVS-LP	SHEBOYGAN WI	136.6	CP MOD	BMPDDL	-20130205ACP
31	WFLD	CHICAGO IL	1.4	LIC	BLCDDT	-20090223ABV
30	NEW-LD	KALAMAZOO MI	168.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WMBD-TV	PEORIA IL	BLCDDT	-20061019ADD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WMAQ-TV	CHICAGO IL	210.7	LIC	BLCDDT	-20010531ACY
30	WKOH	OWENSBORO KY	363.1	LIC	BLEDL	-20020304ALJ
30	WHLA-TV	LA CROSSE WI	383.1	LIC	BMLEDL	-20041013AAL
31	WFLD	CHICAGO IL	210.7	LIC	BLCDDT	-20090223ABV
30	NEW-LD	KALAMAZOO MI	372.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WSPY-LP	PLANO IL	BLTTL	-19900514IR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WCIU-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20110822ADN
28	WYZZ-TV	BLOOMINGTON IL	124.0	LIC	BLCDDT	-20060609ABE
29	WMAQ-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20010531ACY
30	WCRD-LP	CARTHAGE IL	85.7	CP	BDCCDDL	-20061030AMS
30	WDCI-LD	CHICAGO IL	82.8	LIC	BLDDL	-20120131AAW
30	WDCI-LD	CHICAGO IL	82.8	APP	BSTA	-20111214AEE
30	WMBD-TV	PEORIA IL	140.0	LIC	BLCDDT	-20061019ADD
30	WHLA-TV	LA CROSSE WI	329.4	LIC	BMLEDL	-20041013AAL
31	WFLD	CHICAGO IL	81.5	LIC	BLCDDT	-20090223ABV
38	WGBO-DT	JOLIET IL	81.5	CP	BPCDDT	-20120921ACX
38	WGBO-DT	JOLIET IL	83.1	LIC	BLCDDT	-20100709AJT
44	WLS-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20121016ABX
44	WLS-DR	CHICAGO IL	81.5	APP	BPRM	-20090724AEG
45	WSNS-TV	CHICAGO IL	81.5	LIC	BLCDDT	-20111208AGI

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

30 NEW-LD KALAMAZOO MI 251.5 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DO-D	BRAZIL IN	BNPDTL -20100510AFI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WTTK	KOKOMO IN	128.2	LIC	BLCDT -20090930ABD
30	WEDK-LD	EFFINGHAM IL	104.4	CP MOD	BMPDTL -20111006ACR
30	WMBD-TV	PEORIA IL	243.6	LIC	BLCDT -20061019ADD
30	W30DI-D	WOLCOTT IN	177.6	CP	BNPDTL -20100112AEB
30	WKOH	OWENSBORO KY	148.8	LIC	BLEDT -20020304ALJ
30	WRGT-TV	DAYTON OH	275.6	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	275.6	CP	BPCDT -20110610ACR
30	NEW-LD	KALAMAZOO MI	376.0	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DI-D	WOLCOTT IN	BNPDTL -20100112AEB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WMAQ-TV	CHICAGO IL	133.0	LIC	BLCDT -20010531ACY
29	WTTK	KOKOMO IN	121.1	LIC	BLCDT -20090930ABD
30	WDCI-LD	CHICAGO IL	133.2	LIC	BLDTL -20120131AAW
30	WDCI-LD	CHICAGO IL	133.2	APP	BSTA -20111214AEE
30	WMBD-TV	PEORIA IL	210.1	LIC	BLCDT -20061019ADD
30	WSPY-LP	PLANO IL	162.0	LIC	BLTTL -19900514IR
30	W30DO-D	BRAZIL IN	177.6	CP	BNPDTL -20100510AFI
30	WKOH	OWENSBORO KY	324.7	LIC	BLEDT -20020304ALJ
30	WEYI-TV	SAGINAW MI	387.1	LIC	BLCDT -20040123ASH
30	WRGT-TV	DAYTON OH	263.9	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	263.9	CP	BPCDT -20110610ACR
31	WFLD	CHICAGO IL	133.0	LIC	BLCDT -20090223ABV
31	W31DP-D	LAFAYETTE IN	0.0	CP MOD	BMPDTL -20111011ADV
30	NEW-LD	KALAMAZOO MI	206.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WEYI-TV	SAGINAW MI	BLCDT -20040123ASH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WGTV	TRAVERSE CITY MI	201.4	LIC	BLCDT -20090622AFH
29	WGTE-TV	TOLEDO OH	175.0	LIC	BLEDT -20031110AKO
30	WBNX-TV	AKRON OH	263.1	LIC	BLCDT -20070430AXX
30	WRGT-TV	DAYTON OH	390.7	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	390.7	CP	BPCDT -20110610ACR

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

30 NEW-LD KALAMAZOO MI 187.6 APP USERRECORD-01

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 14
Before Analysis

Results for: 30A MI SAGINAW BLCDT 20040123ASH LIC
HAAT 356.0 m, ATV ERP 193.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2598565	25220.8
not affected by terrain losses	2511421	25119.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	240128	471.4
lost to ATV IX only	240128	471.4
lost to all IX	240128	471.4

Potential Interfering Stations Included in above Scenario 1

30A OH AKRON BLCDT 20070430AXX LIC

After Analysis

Results for: 30A MI SAGINAW BLCDT 20040123ASH LIC
HAAT 356.0 m, ATV ERP 193.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2598565	25220.8
not affected by terrain losses	2511421	25119.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	240139	472.3
lost to ATV IX only	240139	472.3
lost to all IX	240139	472.3

Potential Interfering Stations Included in above Scenario 1

30A OH AKRON BLCDT 20070430AXX LIC
30A MI KALAMAZOO USERRECORD01 APP

Percent new IX = 0.0005%

Worst case new IX 0.0005% Scenario 1

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Analysis of Interference to Affected Station 15

Analysis of current record
Channel Call City/State Application Ref. No.
30 WBNX-TV AKRON OH BLCDT -20070430AXX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WGTE-TV	TOLEDO OH	147.7	LIC	BLEDT -20031110AKO
30	WEYI-TV	SAGINAW MI	263.1	LIC	BLCDT -20040123ASH
30	WSKA	CORNING NY	392.0	LIC	BLEDT -20060705ABL
30	WRGT-TV	DAYTON OH	284.1	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	284.1	CP	BPCDT -20110610ACR
31	WJW-DR	CLEVELAND OH	2.9	APP	BPRM -20110111ACO
30	NEW-LD	KALAMAZOO MI	343.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record
Channel Call City/State Application Ref. No.
30 WRGTV-TV DAYTON OH BLCDT -20050621AAU

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WTTK	KOKOMO IN	167.2	LIC	BLCDT	-20090930ABD
29	WXIX-TV	NEWPORT KY	71.5	LIC	BLCDT	-20000908ABI
29	WGTE-TV	TOLEDO OH	225.7	LIC	BLEDT	-20031110AKO
30	WKOH	OWENSBORO KY	338.0	LIC	BLEDT	-20020304ALJ
30	WEYI-TV	SAGINAW MI	390.7	LIC	BLCDT	-20040123ASH
30	WBNX-TV	AKRON OH	284.1	LIC	BLCDT	-20070430AXX
30	WVLT-TV	KNOXVILLE TN	415.3	LIC	BLCDT	-20120103ABR
31	WANE-TV	FORT WAYNE IN	171.2	LIC	BLCDT	-20090622ACE
31	WDKY-DR	DANVILLE KY	205.0	APP	BPRM	-20080620AOU
31	WDKY-TV	DANVILLE KY	205.0	LIC	BLCDT	-20120308AAK
30	NEW-LD	KALAMAZOO MI	310.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 16
Before Analysis

Results for: 30A OH DAYTON BLC DT 20050621AAU LIC
HAAT 351.0 m, ATV ERP 425.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3137766	23308.3
not affected by terrain losses	3116246	23135.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	230481	407.6
lost to ATV IX only	230481	407.6
lost to all IX	230481	407.6

Potential Interfering Stations Included in above Scenario 1

29A KY NEWPORT	BLC DT	20000908ABI	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A OH AKRON	BLC DT	20070430AXX	LIC

After Analysis

Results for: 30A OH DAYTON BLC DT 20050621AAU LIC
HAAT 351.0 m, ATV ERP 425.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3137766	23308.3
not affected by terrain losses	3116246	23135.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	230481	407.6
lost to ATV IX only	230481	407.6
lost to all IX	230481	407.6

Potential Interfering Stations Included in above Scenario 1

29A KY NEWPORT	BLC DT	20000908ABI	LIC
30A KY OWENSBORO	BLEDT	20020304ALJ	LIC
30A OH AKRON	BLC DT	20070430AXX	LIC
30A MI KALAMAZOO	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 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WRGT-TV	DAYTON OH	BPCDT	-20110610ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

29	WTTK	KOKOMO IN	167.2	LIC	BLCDDT	-20090930ABD
29	WXIX-TV	NEWPORT KY	71.5	LIC	BLCDDT	-20000908ABI
29	WGTE-TV	TOLEDO OH	225.7	LIC	BLEDT	-20031110AKO
30	WKOH	OWENSBORO KY	338.0	LIC	BLEDT	-20020304ALJ
30	WEYI-TV	SAGINAW MI	390.7	LIC	BLCDDT	-20040123ASH
30	WBNX-TV	AKRON OH	284.1	LIC	BLCDDT	-20070430AXX
30	WVLT-TV	KNOXVILLE TN	415.3	LIC	BLCDDT	-20120103ABR
31	WANE-TV	FORT WAYNE IN	171.2	LIC	BLCDDT	-20090622ACE
31	WDKY-DR	DANVILLE KY	205.0	APP	BPRM	-20080620AOU
31	WDKY-TV	DANVILLE KY	205.0	LIC	BLCDDT	-20120308AAK
30	NEW-LD	KALAMAZOO MI	310.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
 Scenario 1 Affected station 17
 Before Analysis

Results for: 30A OH DAYTON BPCDDT 20110610ACR CP
 HAAT 351.0 m, ATV ERP 498.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3171010	23906.5
not affected by terrain losses	3152293	23733.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	253709	453.8
lost to ATV IX only	253709	453.8
lost to all IX	253709	453.8

Potential Interfering Stations Included in above Scenario 1

29A KY NEWPORT	BLCDDT	20000908ABI	LIC
30A OH AKRON	BLCDDT	20070430AXX	LIC

After Analysis

Results for: 30A OH DAYTON BPCDDT 20110610ACR CP
 HAAT 351.0 m, ATV ERP 498.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3171010	23906.5
not affected by terrain losses	3152293	23733.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	253709	453.8
lost to ATV IX only	253709	453.8
lost to all IX	253709	453.8

Potential Interfering Stations Included in above Scenario 1

29A KY NEWPORT	BLCDDT	20000908ABI	LIC
30A OH AKRON	BLCDDT	20070430AXX	LIC
30A MI KALAMAZOO	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 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WIWN	COLUMBUS WI	BMPDDT	-20120525ADX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WCRD-LP	CARTHAGE IL	116.6	CP	BDCCDDL	-20061030AMS
30	WDCI-LD	CHICAGO IL	202.5	LIC	BLDDL	-20120131AAW
30	WDCI-LD	CHICAGO IL	202.5	APP	BSTA	-20111214AEE
30	WMBD-TV	PEORIA IL	303.3	LIC	BLCDDT	-20061019ADD
30	W30BU	GREEN BAY WI	144.0	CP	BDFCDDL	-20090806ACF
30	W30BU	GREEN BAY WI	144.0	LIC	BLTTL	-20030923AAD

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

30	WHLA-TV	LA CROSSE	WI	189.5	LIC	BMLED	-20041013AAL
30	WPVS-LP	SHEBOYGAN	WI	100.9	CP MOD	BMPD	-20130205ACP
30	NEW-LD	KALAMAZOO	MI	303.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30BU	GREEN BAY WI	BDFCDL -20090806ACF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WEYI-TV	SAGINAW MI	364.9	LIC	BLCDT -20040123ASH
30	WIWN	COLUMBUS WI	144.0	CP MOD	BMPCDT -20120525ADX
30	WHLA-TV	LA CROSSE WI	277.0	LIC	BMLED -20041013AAL
30	WPVS-LP	SHEBOYGAN WI	140.5	CP MOD	BMPD -20130205ACP
30	NEW-LD	KALAMAZOO MI	295.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30BU	GREEN BAY WI	BLTTL -20030923AAD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WVCY-TV	MILWAUKEE WI	140.5	LIC	BLCDT -20060619AAX
23	WBAY-TV	GREEN BAY WI	5.8	LIC	BLCDT -20040723ADS
27	WACY-TV	APPLETON WI	0.4	LIC	BLCDT -20061222AAT
27	WACY-TV	APPLETON WI	0.4	CP MOD	BMPCDT -20080620AHO
28	WTMJ-TV	MILWAUKEE WI	141.0	LIC	BLCDT -20001218ACR
30	WEYI-TV	SAGINAW MI	364.9	LIC	BLCDT -20040123ASH
30	WHLA-TV	LA CROSSE WI	277.0	LIC	BMLED -20041013AAL
30	WPVS-LP	SHEBOYGAN WI	140.5	CP MOD	BMPD -20130205ACP
33	WITI	MILWAUKEE WI	141.2	LIC	BLCDT -20091106AEL
34	WISN-TV	MILWAUKEE WI	138.7	LIC	BLCDT -20101104AAA
30	NEW-LD	KALAMAZOO MI	295.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WPVS-LP	SHEBOYGAN WI	BMPD -20130205ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WCRD-LP	CARTHAGE IL	136.4	CP	BDCCDL -20061030AMS
30	WDCI-LD	CHICAGO IL	136.6	LIC	BLD -20120131AAW
30	WDCI-LD	CHICAGO IL	136.6	APP	BSTA -20111214AEE
30	WMBD-TV	PEORIA IL	305.2	LIC	BLCDT -20061019ADD
30	WSPY-LP	PLANO IL	168.3	LIC	BLTTL -19900514IR
30	WEYI-TV	SAGINAW MI	339.4	LIC	BLCDT -20040123ASH
30	WIWN	COLUMBUS WI	100.9	CP MOD	BMPCDT -20120525ADX
30	W30BU	GREEN BAY WI	140.5	CP	BDFCDL -20090806ACF
30	W30BU	GREEN BAY WI	140.5	LIC	BLTTL -20030923AAD
30	WHLA-TV	LA CROSSE WI	290.4	LIC	BMLED -20041013AAL
30	NEW-LD	KALAMAZOO MI	203.4	APP	USERRECORD-01

OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WFLD	CHICAGO IL	BLCDT -20090223ABV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WMBD-TV	PEORIA IL	210.7	LIC	BLCDT -20061019ADD
31	WANE-TV	FORT WAYNE IN	222.3	LIC	BLCDT -20090622ACE
31	WFXS-DT	WITTENBERG WI	382.7	LIC	BLCDT -20090310AED
31	WFXS-DR	WITTENBERG WI	382.7	APP	BPRM -20080612ADX
32	WBUW	JANESVILLE WI	200.0	LIC	BLCDT -20040930BHL
30	NEW-LD	KALAMAZOO MI	170.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WANE-TV	FORT WAYNE IN	BLCDT -20090622ACE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WRGT-TV	DAYTON OH	171.2	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	171.2	CP	BPCDT -20110610ACR
31	WFLD	CHICAGO IL	222.3	LIC	BLCDT -20090223ABV
31	WDKY-DR	DANVILLE KY	364.6	APP	BPRM -20080620AOU
31	WDKY-TV	DANVILLE KY	364.6	LIC	BLCDT -20120308AAK
31	WJW-DR	CLEVELAND OH	291.1	APP	BPRM -20110111ACO
32	WNDY-TV	MARION IN	122.9	LIC	BLCDT -20110706ABJ
30	NEW-LD	KALAMAZOO MI	140.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	W31DP-D	LAFAYETTE IN	BMPDTL -20111011ADV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	W30DI-D	WOLCOTT IN	0.0	CP	BNPDTL -20100112AEB
31	WFLD	CHICAGO IL	133.0	LIC	BLCDT -20090223ABV
31	W31BX-D	DANVILLE IL	86.4	LIC	BLDTT -20090304ABU
31	WANE-TV	FORT WAYNE IN	161.4	LIC	BLCDT -20090622ACE
31	WKOG-LP	INDIANAPOLIS IN	134.4	LIC	BLTTA -20050708AAW
31	WKOG-LP	INDIANAPOLIS IN	120.5	CP MOD	BMPDTA -20090723AFS
31	KDNL-TV	ST. LOUIS MO	370.9	LIC	BLCDT -20021216AAE
32	WNDY-TV	MARION IN	116.7	LIC	BLCDT -20110706ABJ
30	NEW-LD	KALAMAZOO MI	206.9	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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OET-69 Interference Analysis (WXMI-LD, Kalamazoo, MI, Channel 30)

Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WMKG-CA	MUSKEGON MI	BLTTL -20040824AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WISN-TV	MILWAUKEE WI	144.7	LIC	BLCDT -20101104AAA
35	WMVT	MILWAUKEE WI	143.0	LIC	BLEDT -20120828AAD
38	WGBO-DT	JOLIET IL	195.0	CP	BPCDT -20120921ACX
38	WGBO-DT	JOLIET IL	192.6	LIC	BLCDT -20100709AJT
38	WSYM-TV	LANSING MI	150.2	LIC	BLCDT -20061107ADX
38	WBWT-LP	MILWAUKEE WI	143.0	LIC	BLTTL -20070223AGI
38	WBWT-LP	MILWAUKEE WI	143.0	APP	BSTA -20120417AAT
40	WPXE-TV	KENOSHA WI	143.1	LIC	BLCDT -20040206AAT
45	WLLA	KALAMAZOO MI	95.0	LIC	BLCDT -20070529AEA
46	WDJT-TV	MILWAUKEE WI	144.9	LIC	BLCDT -20050722ABL
30	NEW-LD	KALAMAZOO MI	112.6	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	NEW-LD	KALAMAZOO MI	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WUHQ-LD	GRAND RAPIDS MI	72.0	LIC	BLDTL -20111121AAI
30	WDCI-LD	CHICAGO IL	168.7	LIC	BLDTL -20120131AAW
30	WDCI-LD	CHICAGO IL	168.7	APP	BSTA -20111214AEE
30	WMBD-TV	PEORIA IL	372.8	LIC	BLCDT -20061019ADD
30	WEYI-TV	SAGINAW MI	187.6	LIC	BLCDT -20040123ASH
30	WBNX-TV	AKRON OH	343.6	LIC	BLCDT -20070430AXX
30	WRGT-TV	DAYTON OH	310.2	LIC	BLCDT -20050621AAU
30	WRGT-TV	DAYTON OH	310.2	CP	BPCDT -20110610ACR
30	WPVS-LP	SHEBOYGAN WI	203.4	CP MOD	BMPDTL -20130205ACP

Total scenarios = 1

Result key: 4

Scenario 1 Affected station 26
Before Analysis

Results for: 30A MI KALAMAZOO USERRECORD01 APP

HAAT 124.0 m, ATV ERP 15.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	515054	6566.4
not affected by terrain losses	515054	6566.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	438	16.9
lost to ATV IX only	438	16.9
lost to all IX	438	16.9

Potential Interfering Stations Included in above Scenario 1

29A MI GRAND RAPIDS	BLDTL	20111121AAI	LIC
30A MI SAGINAW	BLCDT	20040123ASH	LIC

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