TECHNICAL EXHIBIT
W52DB DISPLACEMENT TRANSLATOR APPLICATION
MUSKEGON, MICHIGAN
CH 17 15 KW

Technical Exhibit

The technical exhibit supports an application for a digital displacement translator W52DB assigned to Muskegon, Michigan.

Summary of Proposed Facilities

Below is a tabulation of the proposed paired digital facility:

Channel:	17
Geographic Coordinates:	43° 18′ 50″ North Latitude
	86° 09′ 17″ West Longitude
Antenna Structure Registration:	1231051
Overall Tower Height:	152 meters
Ground Elevation:	200 meters
Radiation Center:	328 meters AMSL
	128 meters (420 feet) AGL
Antenna Type:	ERI, AL8 Non-Directional
	11.5 dB (power gain 14.1)
Transmitter Power Output:	1.8 kilowatt
Emissions Mask:	Stringent
Transmission Line:	HJ7-50 (1-5/8″ Air – 500 feet)
Effective Radiated Power:	15 kilowatt (15,000 watts)

Figure 1 is a map depicting the proposed and existing translator's contour.

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other post-transition licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. Using the procedures outlined in the FCC's OET-69 Bulletin, no prohibitive interference is predicted to be caused to any other station as shown by the results provided in Figure 2 except to WXMI(TV) on Channel 17 at Grand Rapids, Michigan, which is vacating its Channel 17 operation at the end of the television transition. However, an interference agreement with WXMI(TV) have never-the-less been obtained.

Radiofrequency Electromagnetic Field Exposure

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 128 meters above ground level. The proposed ERP of 15 kW is assumed. A conservative relative field value of 0.5 was assumed for the ERI antenna's downward radiation. The calculated power density at ground level is 0.008 mW/cm^2. This is less than 5% of the FCC's recommended limit of 0.2 mW/cm^2 for channel 17 for an "uncontrolled" environment.

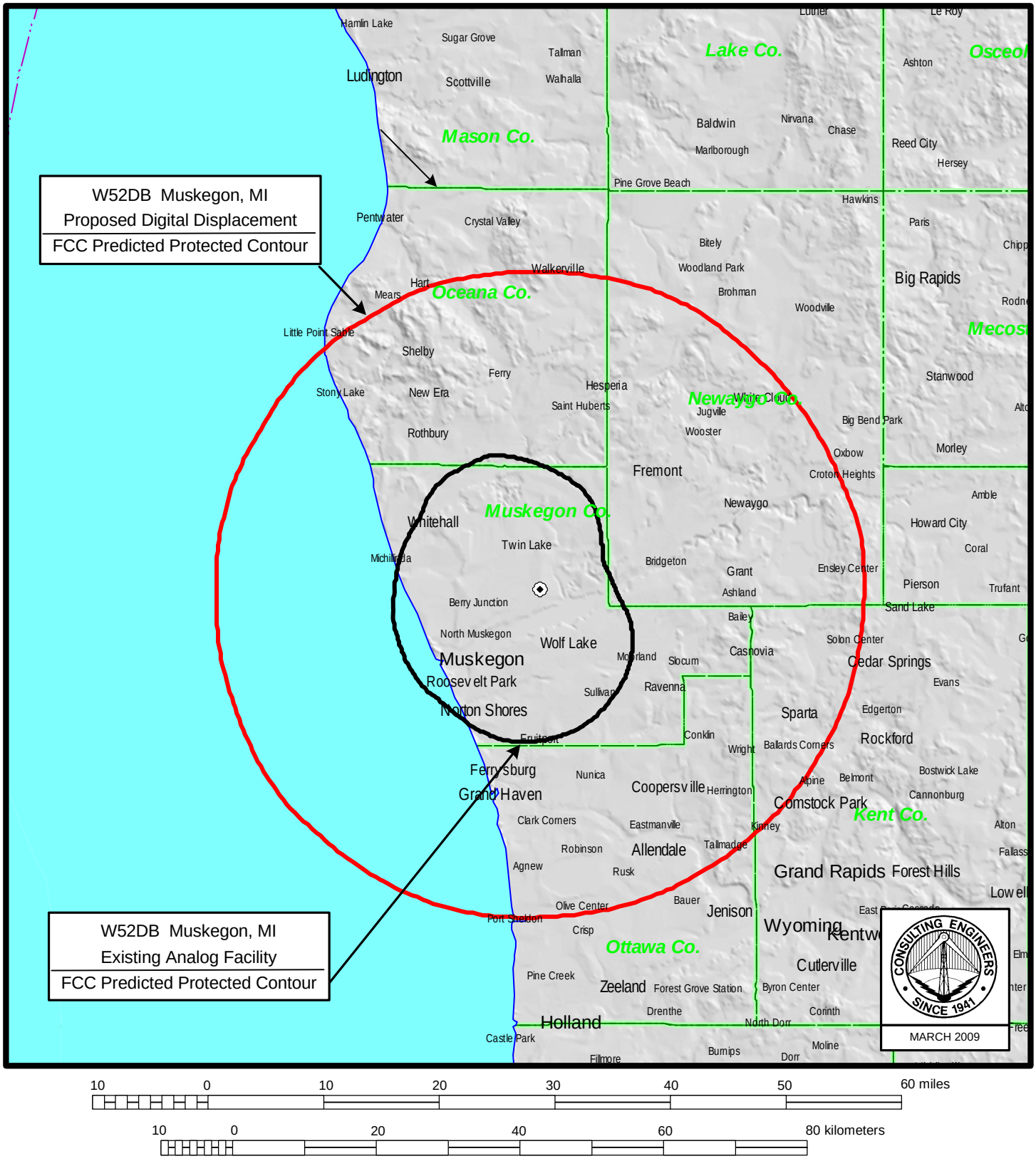
Access to the transmitting site will be restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.

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March 10, 2009

Figure 1



FCC PREDICTED COVERAGE CONTOURS

TV TRANSLATOR STATION W52DB

MUSKEGON, MICHIGAN

CHANNEL 17

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 2

TECHNICAL EXHIBIT
W52DB DISPLACEMENT TRANSLATOR APPLICATION
MUSKEGON, MICHIGAN
CH 17 15 KW

OET-69 Allocation Analysis

Census data selected: 2000

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-10-2009 Time: 15:01:08

Record Selected for Analysis

WNEW USERRECORD-01 MUSKEGON MI US
Channel 17 ERP 15. kW HAAT 126. m RCAMSL 00328 m STRINGENT MASK
Latitude 043-18-50 Longitude 0086-09-17
Status APP Zone 2 Border
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)	51.0 dBu F(50,90) (km)
0.0	15.000	114.9	44.2
45.0	15.000	110.5	43.8
90.0	15.000	124.6	45.0
135.0	15.000	129.4	45.3
180.0	15.000	132.9	45.5
225.0	15.000	142.6	46.2
270.0	15.000	126.6	45.1
315.0	15.000	125.1	45.0

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 = 274.1km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Figure 2

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Start of Interference Analysis

Channel	Call	City/State	ARN
	Proposed Station		
17	WNEW	MUSKEGON MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	139.7	LIC	BLTTA	-20021206AAN
14	WCMU-TV	MOUNT PLEASANT MI	115.1	LIC	BMLET	-19940726KE
15	WXSP-CA	GRAND RAPIDS MI	47.1	LIC	BLTT	-19910507JJ
16	WNDU-TV	SOUTH BEND IN	189.9	LIC	BLCT	-20060627ACE
16	WSMH	FLINT MI	170.3	CP	BPCDT	-19991028ACK
16	WSMH	FLINT MI	168.5	CP	BPCDT	-20051115ADO
16	W29DJ	SHEBOYGAN WI	135.9	CP	BDFCDTT	-20060329AEI
17	WTVO	ROCKFORD IL	271.1	LIC	BMLCT	-20021024AAY
17	WYIN	GARY IN	241.2	LIC	BLEDT	-20040206AAA
17	WIIH-CA	INDIANAPOLIS IN	380.6	LIC	BLTTA	-20020930ABH
17	WCMV	CADILLAC MI	181.5	LIC	BLEDT	-20050914AAI
17	WCMV-DR	CADILLAC MI	181.5	LIC	BPRM	-20020111ABB
17	WXMI	GRAND RAPIDS MI	86.1	LIC	BLCT	-20030117AAW
17	W17CS	MARQUETTE MI	370.6	LIC	BLTT	-20040915ADS
17	W17CS	MARQUETTE MI	370.6	CP	BDFCDTT	-20060331AGV
17	W17AA	CELINA OH	335.6	LIC	BLTT	-1147
17	W17AA	CELINA OH	335.6	CP	BDFCDTT	-20060331AJJ
17	WTOL	TOLEDO OH	291.5	LIC	BLCDT	-20031103ABR
17	WYTU-LD	MILWAUKEE WI	145.6	LIC	BLDTL	-20071210ACK
17	W17CF	OSHKOSH WI	208.2	LIC	BLTT	-19990608JA
17	W17CF	OSHKOSH WI	208.2	CP	BDFCDTT	-20060221AEK
18	W18CF	ELKHART IN	186.0	LIC	BLTT	-20001011AEF
18	W18CF	ELKHART IN	186.0	CP	BDFCDTT	-20060223AAW
18	W18CB	HOUGHTON LAKE MI	156.8	LIC	BLTTL	-20001219ABX
18	WDCP-TV	UNIVERSITY CENTER MI	177.6	CP	BPEDT	-20000217ABB
18	WVTV	MILWAUKEE WI	143.9	LIC	BLCT	-19870804KE
19	W36BZ	CADILLAC MI	123.9	LIC	BLTTL	-20060531AJA
19	DW19BA	GRAND RAPIDS MI	60.1	LIC	BLTT	-19900625ID
21	WCMW	MANISTEE MI	84.8	LIC	BLET	-19841002KG
25	WOGC-CA	HOLLAND MI	57.6	LIC	BLTTA	-20020812ACT

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 29   WOMS-CA  MUSKEGON MI              131.4  CP     BDFCDTA   -20060330ALZ
 17   WNEW     MUSKEGON MI              139.7  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station   2


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   14      WCMUTV     MOUNT PLEASANT MI         DTVPLN    -NPLN0890

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 14   WTOM-DT  CHEBOYGAN MI              233.3  PLN    DTVPLN    -DTVP0133
 14   WKBD-DT  DETROIT MI                169.5  PLN    DTVPLN    -DTVP0134
 14   WSCO     SURING WI                 306.3  PLN    DTVPLN    -NPLN0910
 15   WUCX-DT  BAD AXE MI                147.9  PLN    DTVPLN    -DTVP0172
 16   WSMH-DT  FLINT MI                   70.0  PLN    DTVPLN    -DTVP0225
 17   WXMI     GRAND RAPIDS MI           116.2  PLN    DTVPLN    -NPLN0987
 17   WCMW-DT  MANISTEE MI               136.6  PLN    DTVPLN    -DTVP0265
 18   WUCM-DT  UNIVERSITY CENTER MI       63.7  PLN    DTVPLN    -DTVP0309
 21   WCMW     MANISTEE MI               136.6  PLN    DTVPLN    -NPLN1111
 22   WNEM-DT  BAY CITY MI                75.8  PLN    DTVPLN    -DTVP0486
 28   WFUM     FLINT MI                  129.9  PLN    DTVPLN    -NPLN1334
 29   WGTU     TRAVERSE CITY MI          132.7  PLN    DTVPLN    -NPLN1359

Results for: 14N MI MOUNT PLEASANT       DTVPLN    NPLN0890     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      301638       8685.6
   not affected by terrain losses    301239       8674.6
   lost to NTSC IX                     1211         32.8
   lost to additional IX by ATV        5440        255.6
   lost to all IX                      6651        288.4

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   14      WCMU-TV    MOUNT PLEASANT MI         BMLET     -19940726KE

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 14   WTOM-DT  CHEBOYGAN MI              233.1  PLN    DTVPLN    -DTVP0133
 14   WKBD-DT  DETROIT MI                169.9  PLN    DTVPLN    -DTVP0134
 14   WKBD     DETROIT MI                169.9  CP     BPCDT     -20081110ADZ
 14   WIWB     SURING WI                 306.0  LIC    BLCT      -19980622KF
 15   WDCQ-TV  BAD AXE MI                 89.8  LIC    BLEDT     -20030922ABG
 15   WUCX-DT  BAD AXE MI                148.0  PLN    DTVPLN    -DTVP0172
 16   WSMH     FLINT MI                   70.3  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                   70.3  PLN    DTVPLN    -DTVP0225
 17   WCMV     CADILLAC MI               132.4  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI               132.4  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI           116.3  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI               136.3  PLN    DTVPLN    -DTVP0265
 18   WUCM-DT  UNIVERSITY CENTER MI       63.9  PLN    DTVPLN    -DTVP0309
 21   WCMW     MANISTEE MI               136.3  LIC    BLET      -19841002KG
 22   WNEM-DT  BAY CITY MI                76.0  PLN    DTVPLN    -DTVP0486
 28   WFUM     FLINT MI                  130.3  CP     BPEDT     -20080312ADF
 29   WGTU     TRAVERSE CITY MI          132.4  LIC    BLCT      -20041012AIJ
 17   WNEW     MUSKEGON MI               115.1  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station   3
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Figure 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WXSP-CA	GRAND RAPIDS MI	BLTT	-19910507JJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	93.7	CP	BDFCDTA	-20060331AWA
14	WOBC-CA	BATTLE CREEK MI	93.7	APP	BMPDTA	-20080804ADR
14	WCMU-TV	MOUNT PLEASANT MI	99.8	LIC	BMLET	-19940726KE
15	WICD	CHAMPAIGN IL	374.1	LIC	BLCT	-19821101KG
15	WANE-TV	FORT WAYNE IN	218.7	LIC	BLCT	-20020326AAR
15	WREP-LP	MARTINSVILLE IN	401.0	CP	BDFCDTL	-20090121ACF
15	WDCQ-TV	BAD AXE MI	178.2	LIC	BLEDT	-20030922ABG
15	WUCX-DT	BAD AXE MI	238.3	PLN	DTVPLN	-DTVP0172
15	WEWS-DT	CLEVELAND OH	378.1	PLN	DTVPLN	-DTVP0184
15	WWAZ-TV	RIPON WI	267.9	APP	BDRTCT	-20090223ABX
16	W29DJ	SHEBOYGAN WI	179.6	CP	BDFCDTT	-20060329AEI
17	WCMW-DT	MANISTEE MI	126.0	PLN	DTVPLN	-DTVP0265
19	WXMI	GRAND RAPIDS MI	40.3	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	40.3	PLN	DTVPLN	-DTVP0358
17	WNEW	MUSKEGON MI	47.1	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	WNDUTV	SOUTH BEND IN	DTVPLN	-NPLN0952

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WANETV	FORT WAYNE IN	103.2	PLN	DTVPLN	-NPLN0921
16	WUSITV	OLNEY IL	347.9	PLN	DTVPLN	-NPLN0950
16	WTVO-DT	ROCKFORD IL	256.0	PLN	DTVPLN	-DTVP0216
16	WHMB-DT	INDIANAPOLIS IN	190.2	PLN	DTVPLN	-DTVP0217
16	WSMH-DT	FLINT MI	252.3	PLN	DTVPLN	-DTVP0225
16	WPTD	DAYTON OH	266.9	PLN	DTVPLN	-NPLN0960
16	WTHXTV	MANITOWOC WI	302.9	PLN	DTVPLN	-NPLN0975
17	WYIN-DT	GARY IN	103.0	PLN	DTVPLN	-DTVP0259
17	WXMI	GRAND RAPIDS MI	132.7	PLN	DTVPLN	-NPLN0987
18	WLFITV	LAFAYETTE IN	139.3	PLN	DTVPLN	-NPLN1017
19	WGN-DT	CHICAGO IL	121.4	PLN	DTVPLN	-DTVP0350
19	WKJG-DT	FORT WAYNE IN	103.4	PLN	DTVPLN	-DTVP0352
19	WXMI-DT	GRAND RAPIDS MI	132.7	PLN	DTVPLN	-DTVP0358
20	WYCC	CHICAGO IL	121.4	PLN	DTVPLN	-NPLN1078
20	WOTV-DT	BATTLE CREEK MI	123.6	PLN	DTVPLN	-DTVP0401
23	WNDYTV	MARION IN	163.5	PLN	DTVPLN	-NPLN1174
23	WKARTV	EAST LANSING MI	191.9	PLN	DTVPLN	-NPLN1177
24	WPTA-DT	FORT WAYNE IN	102.4	PLN	DTVPLN	-DTVP0566
30	WSBT-DT	SOUTH BEND IN	1.3	PLN	DTVPLN	-DTVP0786
31	WFLD-DT	CHICAGO IL	121.4	PLN	DTVPLN	-DTVP0822
31	WBSX	ANN ARBOR MI	196.5	PLN	DTVPLN	-NPLN1409

Results for: 16N IN SOUTH BEND DTVPLN NPLN0952 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1587012	25510.4
not affected by terrain losses	1585868	25503.5
lost to NTSC IX	183739	2327.1
lost to additional IX by ATV	46633	554.1
lost to all IX	230372	2881.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	WNDU-TV	SOUTH BEND IN	BLCT	-20060627ACE

Figure 2

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WANE-TV	FORT WAYNE IN	103.2	LIC	BLCT	-20020326AAR
16	WTVO-DT	ROCKFORD IL	256.0	PLN	DTVPLN	-DTVP0216
16	WHMB-DT	INDIANAPOLIS IN	190.2	PLN	DTVPLN	-DTVP0217
16	WHMB-TV	INDIANAPOLIS IN	190.2	LIC	BLCDT	-20060619AAG
16	WSMH	FLINT MI	252.3	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	252.3	PLN	DTVPLN	-DTVP0225
16	WPTD	DAYTON OH	266.9	LIC	BLET	-19920807KG
17	WYIN	GARY IN	102.9	LIC	BLEDT	-20040206AAA
17	WYIN-DT	GARY IN	102.9	PLN	DTVPLN	-DTVP0259
17	WXMI	GRAND RAPIDS MI	132.7	LIC	BLCT	-20030117AAW
18	WLFI-TV	LAFAYETTE IN	139.3	LIC	BLCT	-2217
19	WGN-TV	CHICAGO IL	121.9	LIC	BLCDT	-20040316ACQ
19	WGN-DT	CHICAGO IL	121.4	PLN	DTVPLN	-DTVP0350
19	WKJG-DT	FORT WAYNE IN	103.4	PLN	DTVPLN	-DTVP0352
19	WISE-TV	FORT WAYNE IN	103.5	LIC	BLCDT	-20070509AEQ
19	WXMI	GRAND RAPIDS MI	132.7	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	132.7	PLN	DTVPLN	-DTVP0358
20	WYCC	CHICAGO IL	121.4	LIC	BLET	-20041105AQB
20	WOTV	BATTLE CREEK MI	123.6	LIC	BLCDT	-20030721AHS
20	WOTV-DT	BATTLE CREEK MI	123.6	PLN	DTVPLN	-DTVP0401
23	WNDY-TV	MARION IN	163.5	LIC	BLCT	-19990430KE
24	WPTA	FORT WAYNE IN	102.4	LIC	BLCDT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	102.4	PLN	DTVPLN	-DTVP0566
30	WSBT-DT	SOUTH BEND IN	1.3	PLN	DTVPLN	-DTVP0786
31	WFLD-DT	CHICAGO IL	121.4	PLN	DTVPLN	-DTVP0822
31	WFLD	CHICAGO IL	121.9	LIC	BLCDT	-20050606ABF
31	WANE-DR	FORT WAYNE IN	103.2	LIC	BPRM	-20000801AAA
17	WNEW	MUSKEGON MI	189.9	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	WSMH-DT	FLINT MI	DTVPLN	-DTVP0225

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WUCX-DT	BAD AXE MI	103.8	PLN	DTVPLN	-DTVP0172
16	WHMB-DT	INDIANAPOLIS IN	410.8	PLN	DTVPLN	-DTVP0217
16	WNDUTV	SOUTH BEND IN	252.3	PLN	DTVPLN	-NPLN0952
16	WPTD	DAYTON OH	389.4	PLN	DTVPLN	-NPLN0960
16	WSEE-DT	ERIE PA	351.8	PLN	DTVPLN	-DTVP0238
16	WTHXTV	MANITOWOC WI	304.4	PLN	DTVPLN	-NPLN0975
17	WXMI	GRAND RAPIDS MI	134.1	PLN	DTVPLN	-NPLN0987
17	WCMW-DT	MANISTEE MI	205.9	PLN	DTVPLN	-DTVP0265
17	WTOL-DT	TOLEDO OH	180.8	PLN	DTVPLN	-DTVP0276

Results for: 16A MI FLINT DTVPLN DTVP0225 PLN
HAAT 287.0 m, ATV ERP 60.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1647751	18626.4
not affected by terrain losses	1647472	18622.5
lost to NTSC IX	788	11.7
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	788	11.7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
66	WSMH	FLINT MI	DTVPLN	-NPLN1982

Stations Potentially Affecting This Station

Figure 2

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Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 58   WJBK-DT  DETROIT MI               108.8  PLN    DTVPLN    -DTVP1627
 59   WLNS-DT  LANSING MI                64.9  PLN    DTVPLN    -DTVP1651
 64   WLLA     KALAMAZOO MI             135.7  PLN    DTVPLN    -NPLN1962
 66   WGBOTV   JOLIET IL                327.1  PLN    DTVPLN    -NPLN1980
 66   WFXP     ERIE PA                  351.5  PLN    DTVPLN    -NPLN1984

Results for: 66N MI FLINT              DTVPLN    NPLN1982     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1647751      18627.4
   not affected by terrain losses   1645374      18590.3
   lost to NTSC IX                        0          0.0
   lost to additional IX by ATV        2701         25.4
   lost to all IX                      2701         25.4

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   16      WSMH       FLINT MI                BPCDT     -19991028ACK

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 15   WDCQ-TV  BAD AXE MI                47.8  LIC    BLEDT     -20030922ABG
 15   WUCX-DT  BAD AXE MI               103.8  PLN    DTVPLN    -DTVP0172
 16   WHMB-DT  INDIANAPOLIS IN          410.8  PLN    DTVPLN    -DTVP0217
 16   WHMB-TV  INDIANAPOLIS IN          410.8  LIC    BLCDT     -20060619AAG
 16   WNDU-TV  SOUTH BEND IN            252.3  LIC    BLCT      -20060627ACE
 16   WPTD     DAYTON OH                389.4  LIC    BLET      -19920807KG
 16   WSEE-TV  ERIE PA                  355.1  CP MOD BMPCDT    -20050216ACD
 16   WSEE-DT  ERIE PA                  351.8  PLN    DTVPLN    -DTVP0238
 17   WCMV     CADILLAC MI              188.1  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI              188.1  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI          134.1  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              205.9  PLN    DTVPLN    -DTVP0265
 17   WTOL-DT  TOLEDO OH                180.8  PLN    DTVPLN    -DTVP0276
 17   WNEW     MUSKEGON MI              170.3  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station   6


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   16      WSMH       FLINT MI                BPCDT     -20051115ADO

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 15   WDCQ-TV  BAD AXE MI                48.7  LIC    BLEDT     -20030922ABG
 15   WUCX-DT  BAD AXE MI               105.1  PLN    DTVPLN    -DTVP0172
 16   WTVO-DT  ROCKFORD IL              428.6  PLN    DTVPLN    -DTVP0216
 16   WHMB-DT  INDIANAPOLIS IN          410.4  PLN    DTVPLN    -DTVP0217
 16   WHMB-TV  INDIANAPOLIS IN          410.4  LIC    BLCDT     -20060619AAG
 16   WNDU-TV  SOUTH BEND IN            251.3  LIC    BLCT      -20060627ACE
 16   WPTD     DAYTON OH                389.8  LIC    BLET      -19920807KG
 16   WSEE-TV  ERIE PA                  356.9  CP MOD BMPCDT    -20050216ACD
 16   WSEE-DT  ERIE PA                  353.6  PLN    DTVPLN    -DTVP0238
 17   WCMV     CADILLAC MI              187.0  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI              187.0  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI          132.7  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              204.1  PLN    DTVPLN    -DTVP0265
 17   WTOL-DT  TOLEDO OH                181.8  PLN    DTVPLN    -DTVP0276
 17   WNEW     MUSKEGON MI              168.5  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station   7
```

Figure 2

```
Analysis of current record
Channel     Call           City/State        Application Ref. No.
   16      W29DJ      SHEBOYGAN WI             BDFCDTT   -20060329AEI

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 15   WXSP-CA  GRAND RAPIDS MI           179.7  CP     BDFCDTA   -20060330AGO
 15   WXSP-CA  GRAND RAPIDS MI           179.7  APP    BMPDTA    -20080804ADS
 15   WWAZ-TV  RIPON WI                   91.2  APP    BDRTCT    -20090223ABX
 16   WTVO-DT  ROCKFORD IL               195.1  PLN    DTVPLN    -DTVP0216
 16   WNDU-TV  SOUTH BEND IN             265.0  LIC    BLCT      -20060627ACE
 16   WSMH     FLINT MI                  303.1  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                  303.1  PLN    DTVPLN    -DTVP0225
 16   WJFW-DT  RHINELANDER WI            246.7  PLN    DTVPLN    -DTVP0248
 17   WCMW-DT  MANISTEE MI               120.7  PLN    DTVPLN    -DTVP0265
 17   WYTU-LD  MILWAUKEE WI               67.3  LIC    BLDTL     -20071210ACK
 17   W17CF    OSHKOSH WI                 74.0  CP     BDFCDTT   -20060221AEK
 17   WNEW     MUSKEGON MI               135.9  APP    USERRECORD-01
 Proposal causes no interference

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


     Analysis of Interference to Affected Station   8


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   17      WTVO       ROCKFORD IL              DTVPLN    -NPLN0986

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 15   WMTV     MADISON WI                88.7  PLN    DTVPLN    -NPLN0942
 16   WTVO-DT  ROCKFORD IL                0.0  PLN    DTVPLN    -DTVP0216
 17   KDSMTV   DES MOINES IA            370.2  PLN    DTVPLN    -NPLN0984
 17   WAND     DECATUR IL               261.1  PLN    DTVPLN    -NPLN0985
 17   WYIN-DT  GARY IN                  179.9  PLN    DTVPLN    -DTVP0259
 17   WXMI     GRAND RAPIDS MI          301.5  PLN    DTVPLN    -NPLN0987
 17   WCMW-DT  MANISTEE MI              303.3  PLN    DTVPLN    -DTVP0265
 17   WLAX-DT  LA CROSSE WI             245.7  PLN    DTVPLN    -DTVP0287
 18   KLJBTV   DAVENPORT IA             146.8  PLN    DTVPLN    -NPLN1016
 18   WVTV     MILWAUKEE WI             137.1  PLN    DTVPLN    -NPLN1037
 19   WGN-DT   CHICAGO IL               134.8  PLN    DTVPLN    -DTVP0350
 19   WMTV-DT  MADISON WI                88.7  PLN    DTVPLN    -DTVP0379
 20   WYCC     CHICAGO IL               134.8  PLN    DTVPLN    -NPLN1078
 20   WHA-DT   MADISON WI                90.5  PLN    DTVPLN    -DTVP0425
 21   WYCC-DT  CHICAGO IL               134.8  PLN    DTVPLN    -DTVP0435
 21   WHATV    MADISON WI                90.5  PLN    DTVPLN    -NPLN1131
 24   WQPTTV   MOLINE IL                146.8  PLN    DTVPLN    -NPLN1207
 24   WCGVTV   MILWAUKEE WI             136.5  PLN    DTVPLN    -NPLN1233
 25   WCGV-DT  MILWAUKEE WI             136.5  PLN    DTVPLN    -DTVP0625
 31   WFLD-DT  CHICAGO IL               134.8  PLN    DTVPLN    -DTVP0822
 31   WMBDTV   PEORIA IL                186.2  PLN    DTVPLN    -NPLN1405
 32   KRIN     WATERLOO IA              221.0  PLN    DTVPLN    -NPLN1428
 32   WFLD     CHICAGO IL               134.8  PLN    DTVPLN    -NPLN1429
 32   WJNW-DT  JANESVILLE WI             49.2  PLN    DTVPLN    -DTVP0889

Results for: 17N IL ROCKFORD             DTVPLN    NPLN0986     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1153742      15560.0
   not affected by terrain losses   1125879      15383.4
   lost to NTSC IX                   246836       1836.0
   lost to additional IX by ATV        6727        214.4
   lost to all IX                    253563       2050.3

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WTVO       ROCKFORD IL              BMLCT     -20021024AAY
```

Figure 2

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	0.0	PLN	DTVPLN	-DTVP0216
17	KDSM-TV	DES MOINES IA	370.6	LIC	BLCT	-20021226AAD
17	WYIN	GARY IN	179.9	LIC	BLEDT	-20040206AAA
17	WYIN-DT	GARY IN	179.9	PLN	DTVPLN	-DTVP0259
17	WXMI	GRAND RAPIDS MI	301.5	LIC	BLCT	-20030117AAW
17	WCMW-DT	MANISTEE MI	303.3	PLN	DTVPLN	-DTVP0265
17	WLAX-DT	LA CROSSE WI	245.7	PLN	DTVPLN	-DTVP0287
17	WLAX	LA CROSSE WI	245.8	CP MOD	BMPCDT	-20080326AGW
18	KLJB-TV	DAVENPORT IA	166.2	APP	BSTA	-20080512AAT
18	KLJB-TV	DAVENPORT IA	146.3	LIC	BLCT	-19991109AAA
18	WVTV	MILWAUKEE WI	137.1	LIC	BLCT	-19870804KE
19	WGN-TV	CHICAGO IL	134.5	LIC	BLCDT	-20040316ACQ
19	WGN-DT	CHICAGO IL	134.8	PLN	DTVPLN	-DTVP0350
19	WMTV-DT	MADISON WI	88.7	PLN	DTVPLN	-DTVP0379
19	WMTV	MADISON WI	88.7	LIC	BLCDT	-20040823ABP
20	WYCC	CHICAGO IL	134.8	LIC	BLET	-20041105AQB
20	WHA-TV	MADISON WI	90.5	LIC	BLEDT	-20020503AAF
20	WHA-DT	MADISON WI	90.5	PLN	DTVPLN	-DTVP0425
21	WYCC	CHICAGO IL	134.8	LIC	BLEDT	-20030501ABC
21	WYCC-DT	CHICAGO IL	134.8	PLN	DTVPLN	-DTVP0435
21	WHA-TV	MADISON WI	90.5	LIC	BLET	-20020227ABP
24	WQPT-TV	MOLINE IL	146.3	LIC	BLET	-19980729KE
24	WCGV-TV	MILWAUKEE WI	136.5	LIC	BLCT	-19920902KF
25	WCGV-TV	MILWAUKEE WI	137.0	CP MOD	BMPCDT	-20010920AAK
25	WCGV-DT	MILWAUKEE WI	136.5	PLN	DTVPLN	-DTVP0625
31	WFLD-DT	CHICAGO IL	134.8	PLN	DTVPLN	-DTVP0822
31	WFLD	CHICAGO IL	134.5	LIC	BLCDT	-20050606ABF
32	WFLD	CHICAGO IL	134.8	LIC	BLCT	-19830408KG
32	WJNW-DT	JANESVILLE WI	49.2	PLN	DTVPLN	-DTVP0889
32	WBUW	JANESVILLE WI	88.7	LIC	BLCDT	-20040930BHL
17	WNEW	MUSKEGON MI	271.1	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
17	WYIN-DT	GARY IN	DTVPLN	-DTVP0259

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	179.9	PLN	DTVPLN	-DTVP0216
16	WHMB-DT	INDIANAPOLIS IN	190.6	PLN	DTVPLN	-DTVP0217
16	WNDUTV	SOUTH BEND IN	103.0	PLN	DTVPLN	-NPLN0952
17	WAND	DECATUR IL	196.7	PLN	DTVPLN	-NPLN0985
17	WTVO	ROCKFORD IL	179.9	PLN	DTVPLN	-NPLN0986
17	WKPC-DT	LOUISVILLE KY	357.4	PLN	DTVPLN	-DTVP0262
17	WXMI	GRAND RAPIDS MI	214.3	PLN	DTVPLN	-NPLN0987
17	WCMW-DT	MANISTEE MI	314.3	PLN	DTVPLN	-DTVP0265
17	WTOL-DT	TOLEDO OH	336.6	PLN	DTVPLN	-DTVP0276
17	WLAX-DT	LA CROSSE WI	424.3	PLN	DTVPLN	-DTVP0287
18	WAND-DT	DECATUR IL	196.7	PLN	DTVPLN	-DTVP0304
18	WLFITV	LAFAYETTE IN	125.6	PLN	DTVPLN	-NPLN1017
18	WVTV	MILWAUKEE WI	198.7	PLN	DTVPLN	-NPLN1037

Results for: 17A IN GARY DTVPLN DTVP0259 PLN

HAAT 306.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4643157	15174.7
not affected by terrain losses	4643157	15174.7
lost to NTSC IX	5934	9.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	5934	9.8

Figure 2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
56	WYIN	GARY IN	DTVPLN	-NPLN1865

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WHME-DT	SOUTH BEND IN	106.8	PLN	DTVPLN	-DTVP1390
49	WJJA	RACINE WI	197.6	PLN	DTVPLN	-NPLN1766
52	WLS-DT	CHICAGO IL	62.1	PLN	DTVPLN	-DTVP1507
53	WGBO-DT	JOLIET IL	63.9	PLN	DTVPLN	-DTVP1527
55	WFFTTV	FORT WAYNE IN	186.2	PLN	DTVPLN	-NPLN1851
55	WHKE	KENOSHA WI	163.7	PLN	DTVPLN	-NPLN1859
56	KWQC-DT	DAVENPORT IA	257.2	PLN	DTVPLN	-DTVP1581
56	WCLJ-DT	BLOOMINGTON IN	240.9	PLN	DTVPLN	-DTVP1582
56	WTVS	DETROIT MI	360.9	PLN	DTVPLN	-NPLN1868
56	WCMU-DT	MOUNT PLEASANT MI	327.9	PLN	DTVPLN	-DTVP1585
56	KMOV-DT	ST. LOUIS MO	399.0	PLN	DTVPLN	-DTVP1587
56	WBGU-DT	BOWLING GREEN OH	293.0	PLN	DTVPLN	-DTVP1591
56	WFRV-DT	GREEN BAY WI	343.3	PLN	DTVPLN	-DTVP1599
57	WEEK-DT	PEORIA IL	197.0	PLN	DTVPLN	-DTVP1603
58	WSJV-DT	ELKHART IN	104.8	PLN	DTVPLN	-DTVP1624
59	WEHS-DT	AURORA IL	62.1	PLN	DTVPLN	-DTVP1647
60	WEHSTV	AURORA IL	62.1	PLN	DTVPLN	-NPLN1913

Results for: 56N IN GARY DTVPLN NPLN1865 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	4643157	15174.7
not affected by terrain losses	4639479	15165.9
lost to NTSC IX	24964	41.4
lost to additional IX by ATV	72568	192.0
lost to all IX	97532	233.4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WYIN	GARY IN	BLEDT	-20040206AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WTVO-DT	ROCKFORD IL	179.9	PLN	DTVPLN	-DTVP0216
16	WHMB-DT	INDIANAPOLIS IN	190.6	PLN	DTVPLN	-DTVP0217
16	WHMB-TV	INDIANAPOLIS IN	190.5	LIC	BLCDT	-20060619AAG
16	WNDU-TV	SOUTH BEND IN	102.9	LIC	BLCT	-20060627ACE
17	WTVO	ROCKFORD IL	179.9	LIC	BMLCT	-20021024AAY
17	WKPC-DT	LOUISVILLE KY	357.4	PLN	DTVPLN	-DTVP0262
17	WCMV	CADILLAC MI	422.6	LIC	BLEDT	-20050914AAI
17	WCMV-DR	CADILLAC MI	422.6	LIC	BPRM	-20020111ABB
17	WXMI	GRAND RAPIDS MI	214.3	LIC	BLCT	-20030117AAW
17	WCMW-DT	MANISTEE MI	314.3	PLN	DTVPLN	-DTVP0265
17	WTOL-DT	TOLEDO OH	336.6	PLN	DTVPLN	-DTVP0276
17	WLAX-DT	LA CROSSE WI	424.3	PLN	DTVPLN	-DTVP0287
17	WLAX	LA CROSSE WI	424.4	CP MOD	BMPCDT	-20080326AGW
18	WAND	DECATUR IL	196.7	LIC	BLCDT	-20020509AAX
18	WAND-DT	DECATUR IL	196.7	PLN	DTVPLN	-DTVP0304
18	WLFI-TV	LAFAYETTE IN	125.6	LIC	BLCT	-2217
18	WVTV	MILWAUKEE WI	198.7	LIC	BLCT	-19870804KE
17	WNEW	MUSKEGON MI	241.2	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.
17	WIIH-CA	INDIANAPOLIS IN	BLTTA	-20020930ABH

Stations Potentially Affecting This Station

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

Figure 2

```
 14   WTIU     BLOOMINGTON IN            86.8  LIC    BLEDT     -20030925AVS
 14   WTIU-DT  BLOOMINGTON IN            86.8  PLN    DTVPLN    -DTVP0128
 16   WJYL-CA                           172.1  APP    BSTA      -20081210AAZ
 16   WHMB-DT  INDIANAPOLIS IN            0.4  PLN    DTVPLN    -DTVP0217
 16   WHMB-TV  INDIANAPOLIS IN            0.5  LIC    BLCDT     -20060619AAG
 16   WJYL-CA  JEFFERSONVILLE IN        172.1  CP     BDISDTA   -20081203AEF
 17   WTCT     MARION IL                356.3  LIC    BLCDT     -20060629ACN
 17   WTCT-DT  MARION IL                356.3  PLN    DTVPLN    -DTVP0258
 17   WTCT     MARION IL                356.3  CP MOD BMPCDT    -20011119AAX
 17   WTVO     ROCKFORD IL              364.2  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                  190.9  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  190.9  PLN    DTVPLN    -DTVP0259
 17   WKPC-DT  LOUISVILLE KY            172.3  PLN    DTVPLN    -DTVP0262
 17   WXMI     GRAND RAPIDS MI          315.9  LIC    BLCT      -20030117AAW
 17   K22HG    ST. CHARLES MO           400.3  CP     BDISDTT   -20060327ACC
 17   W17AA    CELINA OH                161.4  LIC    BLTT      -1147
 17   W17AA    CELINA OH                161.4  CP     BDFCDTT   -20060331AJJ
 17   WDEM-CA  COLUMBUS OH              271.0  CP     BDFCDTA   -20080917ABN
 17   WUXA-DT  PORTSMOUTH OH            298.0  PLN    DTVPLN    -DTVP0275
 17   WTOL-DT  TOLEDO OH                309.5  PLN    DTVPLN    -DTVP0276
 17   WYTU-LD  MILWAUKEE WI             385.8  LIC    BLDTL     -20071210ACK
 18   W18CF    ELKHART IN               195.9  CP     BDFCDTT   -20060223AAW
 18   WJTS-LD  JASPER IN                177.3  CP MOD BMPDTL    -20080815ABO
 18   WLFI-TV  LAFAYETTE IN              65.3  LIC    BLCT      -2217
 18   WLQP-LP  LIMA OH                  201.4  APP    BDFCDTL   -20060331BFI
 21   WFYI     INDIANAPOLIS IN           1.1  LIC    BLEDT     -20030310BAD
 21   WFYI-DT  INDIANAPOLIS IN           1.1  PLN    DTVPLN    -DTVP0438
 24   WTHI-DT  TERRE HAUTE IN           124.0  PLN    DTVPLN    -DTVP0567
 25   WRTV-DT  INDIANAPOLIS IN           1.1  PLN    DTVPLN    -DTVP0602
 32   WNDY-TV  MARION IN                36.7  LIC    BLCDT     -20021029AAG
 32   WNDY-DT  MARION IN                36.7  PLN    DTVPLN    -DTVP0864
 17   WNEW     MUSKEGON MI              380.6  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station  11


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WCMV       CADILLAC MI              BLEDT     -20050914AAI

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WSMH     FLINT MI                 188.1  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                 188.1  PLN    DTVPLN    -DTVP0225
 17   WYIN     GARY IN                  422.6  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  422.6  PLN    DTVPLN    -DTVP0259
 17   WXMI     GRAND RAPIDS MI          232.0  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              125.8  PLN    DTVPLN    -DTVP0265
 17   WTOL-DT  TOLEDO OH                368.2  PLN    DTVPLN    -DTVP0276
 18   WUCM-DT  UNIVERSITY CENTER MI     157.8  PLN    DTVPLN    -DTVP0309
 17   WNEW     MUSKEGON MI              181.5  APP    USERRECORD-01

 Total scenarios =   2


Result key:        1
Scenario        1  Affected station       11  WCMV
Before Analysis

Results for: 17A MI CADILLAC             BLEDT     20050914AAI  LIC
   HAAT  393.0 m, ATV ERP  338.0 kW
                                    POPULATION   AREA (sq km)
   within Noise Limited Contour      402492      27568.3
   not affected by terrain losses    392284      26847.7
   lost to NTSC IX                    10999        825.2
   lost to additional IX by ATV        8460       1052.5
```

Figure 2

```
   lost to ATV IX only               12280       1421.2
   lost to all IX                    19459       1877.7

 Potential Interfering Stations Included in above Scenario     1

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17A MI CADILLAC             BLEDT     20050914AAI  LIC
   HAAT  393.0 m, ATV ERP  338.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      402492      27568.3
   not affected by terrain losses    392284      26847.7
   lost to NTSC IX                    10999        825.2
   lost to additional IX by ATV        8778       1083.4
   lost to ATV IX only               13054       1516.9
   lost to all IX                    19777       1908.6

 Potential Interfering Stations Included in above Scenario     1

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

Percent new IX =    0.0853%

Result key:        2
Scenario        2  Affected station       11  WCMV
Before Analysis

Results for: 17A MI CADILLAC             BLEDT     20050914AAI  LIC
   HAAT  393.0 m, ATV ERP  338.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      402492      27568.3
   not affected by terrain losses    392284      26847.7
   lost to NTSC IX                    10999        825.2
   lost to additional IX by ATV        8460       1052.5
   lost to ATV IX only               12280       1421.2
   lost to all IX                    19459       1877.7

 Potential Interfering Stations Included in above Scenario     2

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17A MI CADILLAC             BLEDT     20050914AAI  LIC
   HAAT  393.0 m, ATV ERP  338.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      402492      27568.3
   not affected by terrain losses    392284      26847.7
   lost to NTSC IX                    10999        825.2
   lost to additional IX by ATV        8778       1083.4
   lost to ATV IX only               13054       1516.9
   lost to all IX                    19777       1908.6

 Potential Interfering Stations Included in above Scenario     2

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP
```

Figure 2

```
Percent new IX =    0.0853%

Worst case new IX    0.0853% Scenario      1

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     Analysis of Interference to Affected Station  12


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WCMV-DR    CADILLAC MI               BPRM      -20020111ABB

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WSMH     FLINT MI                 188.1  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                 188.1  PLN    DTVPLN    -DTVP0225
 17   WYIN     GARY IN                  422.6  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  422.6  PLN    DTVPLN    -DTVP0259
 17   WXMI     GRAND RAPIDS MI          232.0  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              125.8  PLN    DTVPLN    -DTVP0265
 17   WTOL-DT  TOLEDO OH                368.2  PLN    DTVPLN    -DTVP0276
 18   WUCM-DT  UNIVERSITY CENTER MI     157.8  PLN    DTVPLN    -DTVP0309
 17   WNEW     MUSKEGON MI              181.5  APP    USERRECORD-01

 Total scenarios =   2


Result key:        3
Scenario        1  Affected station       12  WCMV-DR
Before Analysis

Results for: 17A MI CADILLAC             BPRM      20020111ABB  LIC
   HAAT  399.0 m, ATV ERP  500.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      428080      30790.6
   not affected by terrain losses    419038      30085.0
   lost to NTSC IX                    13621        898.0
   lost to additional IX by ATV        9777       1792.0
   lost to ATV IX only                14336       2151.8
   lost to all IX                     23398       2690.0

 Potential Interfering Stations Included in above Scenario     1

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17A MI CADILLAC             BPRM      20020111ABB  LIC
   HAAT  399.0 m, ATV ERP  500.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      428080      30790.6
   not affected by terrain losses    419038      30085.0
   lost to NTSC IX                    13621        898.0
   lost to additional IX by ATV       10081       1835.8
   lost to ATV IX only                15403       2266.4
   lost to all IX                     23702       2733.8

 Potential Interfering Stations Included in above Scenario     1

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

Percent new IX =    0.0768%
```

Figure 2

```
Result key:        4
Scenario        2  Affected station       12  WCMV-DR
Before Analysis

Results for: 17A MI CADILLAC             BPRM      20020111ABB  LIC
   HAAT  399.0 m, ATV ERP  500.0 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      428080      30790.6
   not affected by terrain losses    419038      30085.0
   lost to NTSC IX                    13621        898.0
   lost to additional IX by ATV        9777       1792.0
   lost to ATV IX only                14336       2151.8
   lost to all IX                     23398       2690.0

 Potential Interfering Stations Included in above Scenario     2

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17A MI CADILLAC             BPRM      20020111ABB  LIC
   HAAT  399.0 m, ATV ERP  500.0 kW
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour      428080      30790.6
   not affected by terrain losses    419038      30085.0
   lost to NTSC IX                    13621        898.0
   lost to additional IX by ATV       10081       1835.8
   lost to ATV IX only                15403       2266.4
   lost to all IX                     23702       2733.8

 Potential Interfering Stations Included in above Scenario     2

17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
16A MI FLINT                BPCDT     19991028ACK  CP
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

Percent new IX =    0.0768%

Worst case new IX    0.0768% Scenario      1

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


     Analysis of Interference to Affected Station  13


NTSC Baseline Analysis
Channel     Call           City/State        Application Ref. No.
   17      WXMI       GRAND RAPIDS MI           DTVPLN    -NPLN0987

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 14   WCMUTV   MOUNT PLEASANT MI         116.2  PLN    DTVPLN    -NPLN0890
 16   WNDUTV   SOUTH BEND IN             132.7  PLN    DTVPLN    -NPLN0952
 16   WSMH-DT  FLINT MI                  134.1  PLN    DTVPLN    -DTVP0225
 17   WTVO     ROCKFORD IL               301.5  PLN    DTVPLN    -NPLN0986
 17   WYIN-DT  GARY IN                   214.3  PLN    DTVPLN    -DTVP0259
 17   WCMW-DT  MANISTEE MI               166.3  PLN    DTVPLN    -DTVP0265
 17   WTOL-DT  TOLEDO OH                 210.1  PLN    DTVPLN    -DTVP0276
 18   WHTV     JACKSON MI                105.6  PLN    DTVPLN    -NPLN1021
 18   WUCM-DT  UNIVERSITY CENTER MI      159.0  PLN    DTVPLN    -DTVP0309
 18   WVTV     MILWAUKEE WI              198.5  PLN    DTVPLN    -NPLN1037
 19   WXMI-DT  GRAND RAPIDS MI             0.0  PLN    DTVPLN    -DTVP0358
 20   WOTV-DT  BATTLE CREEK MI            13.9  PLN    DTVPLN    -DTVP0401
 24   WTLJ-DT  MUSKEGON MI                42.5  PLN    DTVPLN    -DTVP0571
 24   WCGVTV   MILWAUKEE WI              198.1  PLN    DTVPLN    -NPLN1233
 31   WBSX     ANN ARBOR MI              124.7  PLN    DTVPLN    -NPLN1409
```

Figure 2

```
 32   WFLD     CHICAGO IL                192.9  PLN    DTVPLN    -NPLN1429

Results for: 17N MI GRAND RAPIDS         DTVPLN    NPLN0987     PLN
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1707249      19034.7
   not affected by terrain losses   1707220      19033.7
   lost to NTSC IX                    24703        746.9
   lost to additional IX by ATV       59816        573.3
   lost to all IX                     84519       1320.2

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WXMI       GRAND RAPIDS MI           BLCT      -20030117AAW

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 14   WCMU-TV  MOUNT PLEASANT MI         116.3  LIC    BMLET     -19940726KE
 16   WNDU-TV  SOUTH BEND IN             132.7  LIC    BLCT      -20060627ACE
 16   WSMH     FLINT MI                  134.1  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                  134.1  PLN    DTVPLN    -DTVP0225
 17   WTVO     ROCKFORD IL               301.5  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                   214.3  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                   214.3  PLN    DTVPLN    -DTVP0259
 17   WCMV     CADILLAC MI               232.0  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI               232.0  LIC    BPRM      -20020111ABB
 17   WCMW-DT  MANISTEE MI               166.3  PLN    DTVPLN    -DTVP0265
 17   WDLI-TV  CANTON OH                 373.0  APP    BPCT      -20021119ABR
 17   WTOL-DT  TOLEDO OH                 210.1  PLN    DTVPLN    -DTVP0276
 18   WUCM-DT  UNIVERSITY CENTER MI      159.0  PLN    DTVPLN    -DTVP0309
 18   WVTV     MILWAUKEE WI              198.5  LIC    BLCT      -19870804KE
 19   WXMI     GRAND RAPIDS MI             0.0  LIC    BLCDT     -20030117ABD
 19   WXMI-DT  GRAND RAPIDS MI             0.0  PLN    DTVPLN    -DTVP0358
 20   WOTV     BATTLE CREEK MI            14.0  LIC    BLCDT     -20030721AHS
 20   WOTV-DT  BATTLE CREEK MI            13.9  PLN    DTVPLN    -DTVP0401
 24   WTLJ-DT  MUSKEGON MI                42.5  PLN    DTVPLN    -DTVP0571
 24   WTLJ     MUSKEGON MI                42.5  LIC    BLCDT     -20051115ABP
 24   WCGV-TV  MILWAUKEE WI              198.1  LIC    BLCT      -19920902KF
 31   WPXD     ANN ARBOR MI              124.8  CP MOD BMPCDT    -20080619AHZ
 32   WFLD     CHICAGO IL                192.9  LIC    BLCT      -19830408KG
 17   WNEW     MUSKEGON MI                86.1  APP    USERRECORD-01

 Total scenarios =   8


Result key:        5
Scenario        1  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      103483       1124.9
   lost to all IX                    125790       1865.9

 Potential Interfering Stations Included in above Scenario     1

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      252880       3954.8
```

Figure 2

```
   lost to all IX                    275187       4695.8

 Potential Interfering Stations Included in above Scenario     1

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     1
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     6.9  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.2  BLCT      20030117AAW


Result key:        6
Scenario        2  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      108674       1312.3
   lost to all IX                    130981       2053.4

 Potential Interfering Stations Included in above Scenario     2

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      254168       4015.0
   lost to all IX                    276475       4756.0

 Potential Interfering Stations Included in above Scenario     2

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     2
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999
```

Figure 2

```
 Percent new DTV interference without proposal:     7.2  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.3  BLCT      20030117AAW


Result key:        7
Scenario        3  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      103483       1121.9
   lost to all IX                    125790       1862.9

 Potential Interfering Stations Included in above Scenario     3

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      252880       3953.8
   lost to all IX                    275187       4694.8

 Potential Interfering Stations Included in above Scenario     3

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     3
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     6.9  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.2  BLCT      20030117AAW


Result key:        8
Scenario        4  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                 POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      108674       1309.4
   lost to all IX                    130981       2050.4

 Potential Interfering Stations Included in above Scenario     4

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
```

Figure 2

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17A IN GARY                DTVPLN    DTVP0259     PLN
17A MI CADILLAC            BPRM      20020111ABB  LIC
17A MI MANISTEE            DTVPLN    DTVP0265     PLN
17A OH TOLEDO              DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      254168       4014.0
   lost to all IX                    276475       4755.0

 Potential Interfering Stations Included in above Scenario     4

16N IN SOUTH BEND          BLCT      20060627ACE  LIC
17A IN GARY                DTVPLN    DTVP0259     PLN
17A MI CADILLAC            BPRM      20020111ABB  LIC
17A MI MANISTEE            DTVPLN    DTVP0265     PLN
17A OH TOLEDO              DTVPLN    DTVP0276     PLN
17A MI MUSKEGON            USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     4
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     7.2  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.3  BLCT      20030117AAW


Result key:        9
Scenario        5  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      103483       1124.9
   lost to all IX                    125790       1865.9

 Potential Interfering Stations Included in above Scenario     5

16N IN SOUTH BEND          BLCT      20060627ACE  LIC
17A IN GARY                BLEDT     20040206AAA  LIC
17A MI CADILLAC            BLEDT     20050914AAI  LIC
17A MI MANISTEE            DTVPLN    DTVP0265     PLN
17A OH TOLEDO              DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      252880       3954.8
   lost to all IX                    275187       4695.8

 Potential Interfering Stations Included in above Scenario     5

16N IN SOUTH BEND          BLCT      20060627ACE  LIC
17A IN GARY                BLEDT     20040206AAA  LIC
17A MI CADILLAC            BLEDT     20050914AAI  LIC
```

Figure 2

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17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     5
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     6.9  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.2  BLCT      20030117AAW


Result key:       10
Scenario        6  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      108674       1312.3
   lost to all IX                    130981       2053.4

 Potential Interfering Stations Included in above Scenario     6

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      254168       4015.0
   lost to all IX                    276475       4756.0

 Potential Interfering Stations Included in above Scenario     6

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 BLEDT     20040206AAA  LIC
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     6
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     7.2  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.3  BLCT      20030117AAW


Result key:       11
Scenario        7  Affected station       13  WXMI
```

Figure 2

```
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      103483       1121.9
   lost to all IX                    125790       1862.9

 Potential Interfering Stations Included in above Scenario     7

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      252880       3953.8
   lost to all IX                    275187       4694.8

 Potential Interfering Stations Included in above Scenario     7

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     7
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     6.9  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.2  BLCT      20030117AAW


Result key:       12
Scenario        8  Affected station       13  WXMI
Before Analysis

Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      108674       1309.4
   lost to all IX                    130981       2050.4

 Potential Interfering Stations Included in above Scenario     8

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN

After Analysis
```

Figure 2

```
Results for: 17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     1810189      20276.1
   not affected by terrain losses   1810080      20271.2
   lost to NTSC IX                    22307        741.0
   lost to additional IX by ATV      254168       4014.0
   lost to all IX                    276475       4755.0

 Potential Interfering Stations Included in above Scenario     8

16N IN SOUTH BEND           BLCT      20060627ACE  LIC
17A IN GARY                 DTVPLN    DTVP0259     PLN
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A OH TOLEDO               DTVPLN    DTVP0276     PLN
17A MI MUSKEGON             USERRECORD01           APP

 The following station failed the de minimis interference criteria.
 17D MI MUSKEGON             USERRECORD01
 ERP   15.00 kW  HAAT   126.0 m  RCAMSL   328.0 m
 Antenna     none

 Due to interference to the following station and scenario:     8
 17N MI GRAND RAPIDS         BLCT      20030117AAW
 ERP 1700.00 kW  HAAT   334.0 m  RCAMSL   574.0 m
 Antenna CDB 99999999999999

 Percent new DTV interference without proposal:     7.2  BLCT      20030117AAW
 Percent new DTV interference with proposal:       15.3  BLCT      20030117AAW


Worst case new IX    8.2531% Scenario      1

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     Analysis of Interference to Affected Station  14


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      W17CS      MARQUETTE MI              BLTT      -20040915ADS

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 17   WCMV     CADILLAC MI              271.2  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI              271.2  LIC    BPRM      -20020111ABB
 17   WCMW-DT  MANISTEE MI              286.5  PLN    DTVPLN    -DTVP0265
 17   KQDS-TV  DULUTH MN                355.4  CP     BPCDT     -19991028ABI
 17   KNLD-DT  DULUTH MN                355.4  PLN    DTVPLN    -DTVP0266
 17   WYTU-LD  MILWAUKEE WI             379.9  LIC    BLDTL     -20071210ACK
 17   W17CF    OSHKOSH WI               284.5  CP     BDFCDTT   -20060221AEK
 18   WBKP-DT  CALUMET MI               109.4  PLN    DTVPLN    -DTVP0308
 18   W18CU-D  SISTER BAY WI            144.9  LIC    BLDTT     -20081117AAA
 19   WMQF     MARQUETTE MI              14.8  CP     BPCDT     -20080807AAG
 17   WNEW     MUSKEGON MI              370.6  APP    USERRECORD-01

 Proposed station is beyond the site to
 nearest cell evaluation distance

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     Analysis of Interference to Affected Station  15


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      W17CS      MARQUETTE MI              BDFCDTT   -20060331AGV

     Stations Potentially Affecting This Station
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Figure 2

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WCMV	CADILLAC MI	271.2	LIC	BLEDT	-20050914AAI
17	WCMV-DR	CADILLAC MI	271.2	LIC	BPRM	-20020111ABB
17	WCMW-DT	MANISTEE MI	286.5	PLN	DTVPLN	-DTVP0265
17	KQDS-TV	DULUTH MN	355.4	CP	BPCDT	-19991028ABI
17	KNLD-DT	DULUTH MN	355.4	PLN	DTVPLN	-DTVP0266
17	WYTU-LD	MILWAUKEE WI	379.9	LIC	BLDTL	-20071210ACK
17	W17CF	OSHKOSH WI	284.5	CP	BDFCDTT	-20060221AEK
18	WBKP-DT	CALUMET MI	109.4	PLN	DTVPLN	-DTVP0308
18	W18CU-D	SISTER BAY WI	144.9	LIC	BLDTT	-20081117AAA
17	WNEW	MUSKEGON MI	370.6	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

##

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	W17AA	CELINA OH	BLTT	-1147

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMH-DT	COLUMBUS OH	141.6	PLN	DTVPLN	-DTVP0145
16	WPTD	DAYTON OH	95.0	LIC	BLET	-19920807KG
17	WYIN	GARY IN	258.1	LIC	BLEDT	-20040206AAA
17	WYIN-DT	GARY IN	258.1	PLN	DTVPLN	-DTVP0259
17	WIIH-CA	INDIANAPOLIS IN	161.4	LIC	BLTTA	-20020930ABH
17	WKPC-DT	LOUISVILLE KY	267.9	PLN	DTVPLN	-DTVP0262
17	WXMI	GRAND RAPIDS MI	252.0	LIC	BLCT	-20030117AAW
17	WDLI-TV	CANTON OH	251.9	APP	BPCT	-20021119ABR
17	WDLI-TV	CANTON OH	274.7	LIC	BLCT	-2558
17	WDEM-CA	COLUMBUS OH	141.5	LIC	BLTTL	-19880830ID
17	WDEM-CA	COLUMBUS OH	141.5	CP	BDFCDTA	-20080917ABN
17	WUXA-DT	PORTSMOUTH OH	234.6	PLN	DTVPLN	-DTVP0275
17	WTOL-DT	TOLEDO OH	156.6	PLN	DTVPLN	-DTVP0276
17	WJMB-LP	ELLWOOD CITY PA	357.7	APP	BDISDTL	-20081124AAW
17	NEW	NEW CASTLE PA	356.2	APP	BSFDTL	-20060630DCJ
17	WYTU-LD	MILWAUKEE WI	401.2	LIC	BLDTL	-20071210ACK
18	W18CF	ELKHART IN	173.1	CP	BDFCDTT	-20060223AAW
18	W32AR	LEXINGTON OH	161.5	APP	BDISDTT	-20060328AKK
18	WLQP-LP	LIMA OH	27.3	LIC	BLTTL	-19990407JA
18	WLQP-LP	LIMA OH	40.1	APP	BDFCDTL	-20060331BFI
18	WBDT	SPRINGFIELD OH	94.6	LIC	BLCDT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	90.4	PLN	DTVPLN	-DTVP0318
18	W22CO	TOLEDO OH	151.8	CP	BDISDTT	-20060329ADH
19	WKJG-DT	FORT WAYNE IN	82.2	PLN	DTVPLN	-DTVP0352
19	WISE-TV	FORT WAYNE IN	82.1	LIC	BLCDT	-20070509AEQ
20	WLIO-DT	LIMA OH	38.8	PLN	DTVPLN	-DTVP0413
21	WBNS-TV	COLUMBUS OH	141.5	LIC	BLCDT	-20021025ABK
21	WBNS-DT	COLUMBUS OH	141.5	PLN	DTVPLN	-DTVP0452
24	WPTA	FORT WAYNE IN	83.3	LIC	BLCDT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	83.2	PLN	DTVPLN	-DTVP0566
31	WANE-DR	FORT WAYNE IN	82.3	LIC	BPRM	-20000801AAA
32	WNDY-TV	MARION IN	128.7	LIC	BLCDT	-20021029AAG
32	WNDY-DT	MARION IN	128.7	PLN	DTVPLN	-DTVP0864
32	960722KP	XENIA OH	123.1	APP	BPCT	-19960722KP
17	WNEW	MUSKEGON MI	335.6	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.

Figure 2

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   17      W17AA      CELINA OH                BDFCDTT   -20060331AJJ

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WPTD     DAYTON OH                95.1  LIC    BLET      -19920807KG
 16   W16BT    ZANESVILLE OH           226.4  APP    BDFCDTT   -20060330ADJ
 17   WYIN     GARY IN                 258.1  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                 258.1  PLN    DTVPLN    -DTVP0259
 17   WKPC-DT  LOUISVILLE KY           267.9  PLN    DTVPLN    -DTVP0262
 17   WXMI     GRAND RAPIDS MI         252.0  LIC    BLCT      -20030117AAW
 17   WDLI-TV  CANTON OH               251.9  APP    BPCT      -20021119ABR
 17   WDLI-TV  CANTON OH               274.7  LIC    BLCT      -2558
 17   WDEM-CA  COLUMBUS OH             141.6  CP     BDFCDTA   -20080917ABN
 17   WUXA-DT  PORTSMOUTH OH           234.6  PLN    DTVPLN    -DTVP0275
 17   WTOL-DT  TOLEDO OH               156.5  PLN    DTVPLN    -DTVP0276
 17   WJMB-LP  ELLWOOD CITY PA         357.7  APP    BDISDTL   -20081124AAW
 17   NEW      NEW CASTLE PA           356.2  APP    BSFDTL    -20060630DCJ
 17   WYTU-LD  MILWAUKEE WI            401.2  LIC    BLDTL     -20071210ACK
 18   W18CF    ELKHART IN              173.1  CP     BDFCDTT   -20060223AAW
 18   W32AR    LEXINGTON OH            161.5  APP    BDISDTT   -20060328AKK
 18   WLQP-LP  LIMA OH                  40.1  APP    BDFCDTL   -20060331BFI
 18   WBDT     SPRINGFIELD OH           94.6  LIC    BLCDT     -20030224ABC
 18   WTJC-DT  SPRINGFIELD OH           90.5  PLN    DTVPLN    -DTVP0318
 18   W22CO    TOLEDO OH               151.8  CP     BDISDTT   -20060329ADH
 17   WNEW     MUSKEGON MI             335.6  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station  18


DTV  Baseline Analysis
Channel     Call          City/State        Application Ref. No.
   17      WTOL-DT    TOLEDO OH               DTVPLN    -DTVP0276

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WSMH-DT  FLINT MI                180.8  PLN    DTVPLN    -DTVP0225
 16   WPTD     DAYTON OH               229.0  PLN    DTVPLN    -NPLN0960
 17   WYIN-DT  GARY IN                 336.6  PLN    DTVPLN    -DTVP0259
 17   WKPC-DT  LOUISVILLE KY           422.5  PLN    DTVPLN    -DTVP0262
 17   WXMI     GRAND RAPIDS MI         210.1  PLN    DTVPLN    -NPLN0987
 17   WCMW-DT  MANISTEE MI             358.6  PLN    DTVPLN    -DTVP0265
 17   WNEDTV   BUFFALO NY              396.0  PLN    DTVPLN    -NPLN0997
 17   WDLI     CANTON OH               198.0  PLN    DTVPLN    -NPLN0999
 17   WUXA-DT  PORTSMOUTH OH           324.7  PLN    DTVPLN    -DTVP0275
 18   WHTV     JACKSON MI              105.0  PLN    DTVPLN    -NPLN1021
 18   WUCM-DT  UNIVERSITY CENTER MI    215.7  PLN    DTVPLN    -DTVP0309
 18   WTJC-DT  SPRINGFIELD OH          200.1  PLN    DTVPLN    -DTVP0318
 18   WHIZTV   ZANESVILLE OH           226.6  PLN    DTVPLN    -NPLN1028

Results for: 17A OH TOLEDO              DTVPLN    DTVP0276     PLN
   HAAT  305.0 m, ATV ERP  544.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour     4330372      28759.6
   not affected by terrain losses   4329765      28753.7
   lost to NTSC IX                     9125        113.6
   lost to additional IX by ATV           0          0.0
   lost to ATV IX only                    0          0.0
   lost to all IX                      9125        113.6

NTSC Baseline Analysis
Channel     Call          City/State        Application Ref. No.
   11      WTOLTV     TOLEDO OH               DTVPLN    -NPLN0732

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 10   WILXTV   ONONDAGA MI             130.4  PLN    DTVPLN    -NPLN0656
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Figure 2

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 10   WBNSTV   COLUMBUS OH              191.4  PLN    DTVPLN    -NPLN0673
 10   WOIO-DT  SHAKER HEIGHTS OH        143.7  PLN    DTVPLN    -DTVP0076
 11   WTTW     CHICAGO IL               353.5  PLN    DTVPLN    -NPLN0712
 11   WLFI-DT  LAFAYETTE IN             306.3  PLN    DTVPLN    -DTVP0082
 11   WBKBTV   ALPENA MI                337.4  PLN    DTVPLN    -NPLN0718
 11   WGVU-DT  GRAND RAPIDS MI          251.4  PLN    DTVPLN    -DTVP0085
 11   WPXI     PITTSBURGH PA            313.1  PLN    DTVPLN    -NPLN0736
 11   WVAHTV   CHARLESTON WV            382.1  PLN    DTVPLN    -NPLN0749
 12   WINM-DT  ANGOLA IN                120.8  PLN    DTVPLN    -DTVP0100
 12   WJRTTV   FLINT MI                 181.8  PLN    DTVPLN    -NPLN0770
 12   WMFD-DT  MANSFIELD OH             119.4  PLN    DTVPLN    -DTVP0106

Results for: 11N OH TOLEDO              DTVPLN    NPLN0732     PLN
                                    POPULATION   AREA (sq km)
   within Noise Limited Contour     4330321      28754.7
   not affected by terrain losses   4315688      28650.8
   lost to NTSC IX                   279838       1979.0
   lost to additional IX by ATV          27          1.0
   lost to all IX                    279865       1980.0

Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WTOL       TOLEDO OH                BLCDT     -20031103ABR

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WSMH     FLINT MI                180.8  CP     BPCDT     -19991028ACK
 16   WSMH-DT  FLINT MI                180.8  PLN    DTVPLN    -DTVP0225
 16   WPTD     DAYTON OH               229.0  LIC    BLET      -19920807KG
 17   WYIN     GARY IN                 336.6  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                 336.6  PLN    DTVPLN    -DTVP0259
 17   WKPC-DT  LOUISVILLE KY           422.5  PLN    DTVPLN    -DTVP0262
 17   WCMV     CADILLAC MI             368.2  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI             368.2  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI         210.1  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI             358.6  PLN    DTVPLN    -DTVP0265
 17   WNED-TV  BUFFALO NY              396.0  LIC    BLET      -19870206KE
 17   WDLI-TV  CANTON OH               164.0  APP    BPCT      -20021119ABR
 17   WDLI-TV  CANTON OH               198.0  LIC    BLCT      -2558
 17   WUXA-DT  PORTSMOUTH OH           324.7  PLN    DTVPLN    -DTVP0275
 18   WUCM-DT  UNIVERSITY CENTER MI    215.7  PLN    DTVPLN    -DTVP0309
 18   WBDT     SPRINGFIELD OH          228.8  LIC    BLCDT     -20030224ABC
 18   WTJC-DT  SPRINGFIELD OH          200.1  PLN    DTVPLN    -DTVP0318
 17   WNEW     MUSKEGON MI             291.5  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.
   17      WYTU-LD    MILWAUKEE WI             BLDTL     -20071210ACK

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   W29DJ    SHEBOYGAN WI             67.3  CP     BDFCDTT   -20060329AEI
 17   K17ET    CEDAR RAPIDS IA         326.4  CP     BDFCDTT   -20060313ABV
 17   WTVO     ROCKFORD IL             136.6  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                 200.7  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                 200.7  PLN    DTVPLN    -DTVP0259
 17   WCMV     CADILLAC MI             292.5  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI             292.5  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI         200.9  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI             166.7  PLN    DTVPLN    -DTVP0265
 17   W17CS    MARQUETTE MI            379.9  CP     BDFCDTT   -20060331AGV
 17   W17AA    CELINA OH               401.2  CP     BDFCDTT   -20060331AJJ
 17   WLAX-DT  LA CROSSE WI            288.1  PLN    DTVPLN    -DTVP0287
 17   WLAX     LA CROSSE WI            288.1  CP MOD BMPCDT    -20080326AGW
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 17   W17CF    OSHKOSH WI               116.3  CP     BDFCDTT   -20060221AEK
 18   WSPY-LD  PLANO IL                 169.3  CP     BDCCDTL   -20061024ABC
 18   W18CF    ELKHART IN               228.2  CP     BDFCDTT   -20060223AAW
 18   WHNW-LP  GARY IN                  174.6  CP     BDFCDTL   -20060331AGD
 18   WVTV     MILWAUKEE WI               2.6  LIC    BLCT      -19870804KE
 17   WNEW     MUSKEGON MI              145.6  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.
   17      W17CF      OSHKOSH WI               BLTT      -19990608JA

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   W29DJ    SHEBOYGAN WI              74.0  CP     BDFCDTT   -20060329AEI
 17   K17ET    CEDAR RAPIDS IA          338.3  CP     BDFCDTT   -20060313ABV
 17   WTVO     ROCKFORD IL              204.3  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                  315.5  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  315.5  PLN    DTVPLN    -DTVP0259
 17   WCMV     CADILLAC MI              285.0  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI              285.0  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI          286.3  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              175.4  PLN    DTVPLN    -DTVP0265
 17   W17CS    MARQUETTE MI             284.5  CP     BDFCDTT   -20060331AGV
 17   KTCI-TV  ST. PAUL MN              380.3  LIC    BMLET     -20050322AGC
 17   WLAX-DT  LA CROSSE WI             229.4  PLN    DTVPLN    -DTVP0287
 17   WLAX     LA CROSSE WI             229.4  CP MOD BMPCDT    -20080326AGW
 17   WYTU-LD  MILWAUKEE WI             116.3  LIC    BLDTL     -20071210ACK
 18   WVTV     MILWAUKEE WI             118.7  LIC    BLCT      -19870804KE
 18   W18CU-D  SISTER BAY WI            173.1  LIC    BLDTT     -20081117AAA
 19   WMTV-DT  MADISON WI               136.5  PLN    DTVPLN    -DTVP0379
 19   WMTV     MADISON WI               136.5  LIC    BLCDT     -20040823ABP
 19   WTHX-DT  MANITOWOC WI              72.2  PLN    DTVPLN    -DTVP0380
 20   WHA-TV   MADISON WI               138.3  LIC    BLEDT     -20020503AAF
 20   WHA-DT   MADISON WI               138.3  PLN    DTVPLN    -DTVP0425
 21   WIWB     SURING WI                 52.8  LIC    BLCDT     -20040521ADD
 21   WSCO-DT  SURING WI                 77.4  PLN    DTVPLN    -DTVP0463
 24   WHRM-TV  WAUSAU WI                132.5  LIC    BLEDT     -20051014AAW
 24   WHRM-DT  WAUSAU WI                132.5  PLN    DTVPLN    -DTVP0590
 25   WCGV-TV  MILWAUKEE WI             118.8  CP MOD BMPCDT    -20010920AAK
 25   WCGV-DT  MILWAUKEE WI             119.7  PLN    DTVPLN    -DTVP0625
 32   WACY     APPLETON WI               54.6  APP    BSTA      -20090219AAP
 32   WACY     APPLETON WI               54.6  LIC    BMLCT     -19990831LF
 32   WBUW     JANESVILLE WI            136.5  LIC    BLCDT     -20040930BHL
 17   WNEW     MUSKEGON MI              208.2  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.
   17      W17CF      OSHKOSH WI               BDFCDTT   -20060221AEK

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   W29DJ    SHEBOYGAN WI              74.0  CP     BDFCDTT   -20060329AEI
 17   K17ET    CEDAR RAPIDS IA          338.3  CP     BDFCDTT   -20060313ABV
 17   WTVO     ROCKFORD IL              204.3  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                  315.5  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  315.5  PLN    DTVPLN    -DTVP0259
 17   WCMV     CADILLAC MI              285.0  LIC    BLEDT     -20050914AAI
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Figure 2

17	WCMV-DR	CADILLAC MI	285.0	LIC	BPRM	-20020111ABB
17	WXMI	GRAND RAPIDS MI	286.3	LIC	BLCT	-20030117AAW
17	WCMW-DT	MANISTEE MI	175.4	PLN	DTVPLN	-DTVP0265
17	W17CS	MARQUETTE MI	284.5	CP	BDFCDTT	-20060331AGV
17	KTCI-TV	ST. PAUL MN	380.3	LIC	BMLET	-20050322AGC
17	WLAX-DT	LA CROSSE WI	229.4	PLN	DTVPLN	-DTVP0287
17	WLAX	LA CROSSE WI	229.4	CP MOD	BMPCDT	-20080326AGW
17	WYTU-LD	MILWAUKEE WI	116.3	LIC	BLDTL	-20071210ACK
18	WVTV	MILWAUKEE WI	118.7	LIC	BLCT	-19870804KE
18	W18CU-D	SISTER BAY WI	173.1	LIC	BLDTT	-20081117AAA
17	WNEW	MUSKEGON MI	208.2	APP	USERRECORD	-01

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.
18	W18CF	ELKHART IN	BLTT -20001011AEF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	WYIN	GARY IN	122.2	LIC	BLEDT -20040206AAA
17	WYIN-DT	GARY IN	122.2	PLN	DTVPLN -DTVP0259
17	WXMI	GRAND RAPIDS MI	121.8	LIC	BLCT -20030117AAW
17	W17AA	CELINA OH	173.1	CP	BDFCDTT -20060331AJJ
18	KLJB-TV	DAVENPORT IA	367.4	LIC	BLCT -19991109AAA
18	WAND	DECATUR IL	304.5	LIC	BLCDT -20020509AAX
18	WAND-DT	DECATUR IL	304.5	PLN	DTVPLN -DTVP0304
18	WSPY-LD	PLANO IL	215.1	CP	BDCCDTL -20061024ABC
18	WHNW-LP	GARY IN	112.4	APP	BSTA -20070309ACD
18	WHNW-LP	GARY IN	112.4	CP	BDFCDTL -20060331AGD
18	WJTS-LD	JASPER IN	370.5	CP MOD	BMPDTL -20080815ABO
18	WLFI-TV	LAFAYETTE IN	149.1	LIC	BLCT -2217
18	WDWO-CA	DETROIT MI	240.7	APP	BPTTA -20080801BAL
18	WUCM-DT	UNIVERSITY CENTER MI	268.9	PLN	DTVPLN -DTVP0309
18	W32AR	LEXINGTON OH	298.2	APP	BDISDTT -20060328AKK
18	WLQP-LP	LIMA OH	187.3	APP	BDFCDTL -20060331BFI
18	WBDT	SPRINGFIELD OH	258.5	LIC	BLCDT -20030224ABC
18	WTJC-DT	SPRINGFIELD OH	263.1	PLN	DTVPLN -DTVP0318
18	W22CO	TOLEDO OH	211.1	CP	BDISDTT -20060329ADH
18	WVTV	MILWAUKEE WI	225.5	LIC	BLCT -19870804KE
19	WKJG-DT	FORT WAYNE IN	91.1	PLN	DTVPLN -DTVP0352
19	WISE-TV	FORT WAYNE IN	91.1	LIC	BLCDT -20070509AEQ
19	WDNI-LP	INDIANAPOLIS IN	205.2	CP	BDFCDTA -20090206ABO
19	WXMI	GRAND RAPIDS MI	121.8	LIC	BLCDT -20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	121.8	PLN	DTVPLN -DTVP0358
20	WOTV	BATTLE CREEK MI	111.4	LIC	BLCDT -20030721AHS
20	WOTV-DT	BATTLE CREEK MI	111.4	PLN	DTVPLN -DTVP0401
21	WYCC	CHICAGO IL	138.6	LIC	BLEDT -20030501ABC
21	WYCC-DT	CHICAGO IL	138.6	PLN	DTVPLN -DTVP0435
32	WFLD	CHICAGO IL	138.6	LIC	BLCT -19830408KG
33	NEW	CHICAGO IL	138.6	APP	BDCCDTL -20061030ASM
33	WOHO-CA	HOLLAND MI	130.3	CP	BDFCDTA -20060330AMF
33	WOHO-CA	HOLLAND MI	130.3	APP	BMPDTA -20080804ADV
17	WNEW	MUSKEGON MI	186.0	APP	USERRECORD -01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	W18CF	ELKHART IN	BDFCDTT -20060223AAW

Figure 2

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WYIN	GARY IN	122.2	LIC	BLEDT	-20040206AAA
17	WYIN-DT	GARY IN	122.2	PLN	DTVPLN	-DTVP0259
17	WXMI	GRAND RAPIDS MI	121.8	LIC	BLCT	-20030117AAW
17	W17AA	CELINA OH	173.1	CP	BDFCDTT	-20060331AJJ
17	WYTU-LD	MILWAUKEE WI	228.2	LIC	BLDTL	-20071210ACK
18	KLJB-TV	DAVENPORT IA	367.4	LIC	BLCT	-19991109AAA
18	WAND	DECATUR IL	304.5	LIC	BLCDT	-20020509AAX
18	WAND-DT	DECATUR IL	304.5	PLN	DTVPLN	-DTVP0304
18	WSPY-LD	PLANO IL	215.1	CP	BDCCDTL	-20061024ABC
18	WHNW-LP	GARY IN	112.4	APP	BSTA	-20070309ACD
18	WHNW-LP	GARY IN	112.4	CP	BDFCDTL	-20060331AGD
18	WJTS-LD	JASPER IN	370.5	CP MOD	BMPDTL	-20080815ABO
18	WLFI-TV	LAFAYETTE IN	149.1	LIC	BLCT	-2217
18	WUCM-DT	UNIVERSITY CENTER MI	268.9	PLN	DTVPLN	-DTVP0309
18	W32AR	LEXINGTON OH	298.2	APP	BDISDTT	-20060328AKK
18	WLQP-LP	LIMA OH	187.3	APP	BDFCDTL	-20060331BFI
18	WBDT	SPRINGFIELD OH	258.5	LIC	BLCDT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	263.1	PLN	DTVPLN	-DTVP0318
18	W22CO	TOLEDO OH	211.1	CP	BDISDTT	-20060329ADH
18	WVTV	MILWAUKEE WI	225.5	LIC	BLCT	-19870804KE
18	W18CU-D	SISTER BAY WI	409.3	LIC	BLDTT	-20081117AAA
19	WKJG-DT	FORT WAYNE IN	91.1	PLN	DTVPLN	-DTVP0352
19	WISE-TV	FORT WAYNE IN	91.1	LIC	BLCDT	-20070509AEQ
19	WDNI-LP	INDIANAPOLIS IN	205.2	CP	BDFCDTA	-20090206ABO
19	WXMI	GRAND RAPIDS MI	121.8	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	121.8	PLN	DTVPLN	-DTVP0358
17	WNEW	MUSKEGON MI	186.0	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	W18CB	HOUGHTON LAKE MI	BLTTL	-20001219ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WDCQ-TV	BAD AXE MI	120.2	LIC	BLEDT	-20030922ABG
16	WSMH	FLINT MI	131.1	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	131.1	PLN	DTVPLN	-DTVP0225
17	WCMV	CADILLAC MI	57.0	LIC	BLEDT	-20050914AAI
17	WCMV-DR	CADILLAC MI	57.0	LIC	BPRM	-20020111ABB
17	WCMW-DT	MANISTEE MI	129.0	PLN	DTVPLN	-DTVP0265
18	W18CF	ELKHART IN	310.9	CP	BDFCDTT	-20060223AAW
18	WHNW-LP	GARY IN	365.7	CP	BDFCDTL	-20060331AGD
18	WUCM-DT	UNIVERSITY CENTER MI	101.4	PLN	DTVPLN	-DTVP0309
18	WLQP-LP	LIMA OH	398.8	APP	BDFCDTL	-20060331BFI
18	W22CO	TOLEDO OH	311.3	CP	BDISDTT	-20060329ADH
18	WVTV	MILWAUKEE WI	286.6	LIC	BLCT	-19870804KE
18	W18CU-D	SISTER BAY WI	213.1	LIC	BLDTT	-20081117AAA
19	WDCP-TV	UNIVERSITY CENTER MI	101.5	LIC	BMLET	-20070522ACN
19	WDCP-TV	UNIVERSITY CENTER MI	101.5	APP	BSTA	-20070522ACO
22	WNEM-DT	BAY CITY MI	116.3	PLN	DTVPLN	-DTVP0486
33	WFQX-TV	CADILLAC MI	50.4	LIC	BLCT	-19980803IX
17	WNEW	MUSKEGON MI	156.8	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Figure 2

Analysis of Interference to Affected Station 25

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	WUCM-DT	UNIVERSITY CENTER MI	DTVPLN	-DTVP0309

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WXMI	GRAND RAPIDS MI	159.0	PLN	DTVPLN	-NPLN0987
17	WCMW-DT	MANISTEE MI	196.7	PLN	DTVPLN	-DTVP0265
17	WTOL-DT	TOLEDO OH	215.7	PLN	DTVPLN	-DTVP0276
18	WLFITV	LAFAYETTE IN	414.3	PLN	DTVPLN	-NPLN1017
18	WHTV	JACKSON MI	151.3	PLN	DTVPLN	-NPLN1021
18	WTJC-DT	SPRINGFIELD OH	406.1	PLN	DTVPLN	-DTVP0318
18	WVTV	MILWAUKEE WI	321.4	PLN	DTVPLN	-NPLN1037
19	WXMI-DT	GRAND RAPIDS MI	159.0	PLN	DTVPLN	-DTVP0358
19	WUCMTV	UNIVERSITY CENTER MI	0.0	PLN	DTVPLN	-NPLN1047
19	WTVG-DT	TOLEDO OH	213.9	PLN	DTVPLN	-DTVP0367

Results for: 18A MI UNIVERSITY CENTER DTVPLN DTVP0309 PLN

HAAT 140.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	689580	12004.0
not affected by terrain losses	689580	12004.0
lost to NTSC IX	9	1.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	9	1.0

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	WUCMTV	UNIVERSITY CENTER MI	DTVPLN	-NPLN1047

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WUCX-DT	BAD AXE MI	84.9	PLN	DTVPLN	-DTVP0172
16	WSMH-DT	FLINT MI	38.3	PLN	DTVPLN	-DTVP0225
18	WHTV	JACKSON MI	151.3	PLN	DTVPLN	-NPLN1021
18	WUCM-DT	UNIVERSITY CENTER MI	0.0	PLN	DTVPLN	-DTVP0309
19	WGN-DT	CHICAGO IL	350.0	PLN	DTVPLN	-DTVP0350
19	WKJG-DT	FORT WAYNE IN	291.3	PLN	DTVPLN	-DTVP0352
19	WXMI-DT	GRAND RAPIDS MI	159.0	PLN	DTVPLN	-DTVP0358
19	WOIO	SHAKER HEIGHTS OH	305.8	PLN	DTVPLN	-NPLN1054
19	WTVG-DT	TOLEDO OH	213.9	PLN	DTVPLN	-DTVP0367
19	WTHX-DT	MANITOWOC WI	298.9	PLN	DTVPLN	-DTVP0380
20	WOTV-DT	BATTLE CREEK MI	163.5	PLN	DTVPLN	-DTVP0401
20	WXON	DETROIT MI	131.6	PLN	DTVPLN	-NPLN1083
21	WXON-DT	DETROIT MI	131.6	PLN	DTVPLN	-DTVP0442
22	WNEM-DT	BAY CITY MI	15.1	PLN	DTVPLN	-DTVP0486
23	WKARTV	EAST LANSING MI	101.8	PLN	DTVPLN	-NPLN1177
27	WCMV	CADILLAC MI	126.5	PLN	DTVPLN	-NPLN1307
33	WBSX-DT	ANN ARBOR MI	132.3	PLN	DTVPLN	-DTVP0903
33	WGKI	CADILLAC MI	127.3	PLN	DTVPLN	-NPLN1451

Results for: 19N MI UNIVERSITY CENTER DTVPLN NPLN1047 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	689580	12004.0
not affected by terrain losses	689571	12000.0
lost to NTSC IX	3116	43.8
lost to additional IX by ATV	17395	309.4
lost to all IX	20511	353.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WDCP-TV	UNIVERSITY CENTER MI	BPEDT	-20000217ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WCMV	CADILLAC MI	157.8	LIC	BLEDT	-20050914AAI

Figure 2

17	WCMV-DR	CADILLAC MI	157.8	LIC	BPRM	-20020111ABB
17	WXMI	GRAND RAPIDS MI	159.0	LIC	BLCT	-20030117AAW
17	WCMW-DT	MANISTEE MI	196.8	PLN	DTVPLN	-DTVP0265
17	WTOL-DT	TOLEDO OH	215.6	PLN	DTVPLN	-DTVP0276
18	WLFI-TV	LAFAYETTE IN	414.3	LIC	BLCT	-2217
18	WBDT	SPRINGFIELD OH	427.1	LIC	BLCDT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	406.1	PLN	DTVPLN	-DTVP0318
18	WVTV	MILWAUKEE WI	321.4	LIC	BLCT	-19870804KE
19	WXMI	GRAND RAPIDS MI	159.0	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	159.0	PLN	DTVPLN	-DTVP0358
19	WDCP-TV	UNIVERSITY CENTER MI	0.0	LIC	BMLET	-20070522ACN
19	WDCP-TV	UNIVERSITY CENTER MI	0.0	APP	BSTA	-20070522ACO
19	WTVG-DT	TOLEDO OH	213.9	PLN	DTVPLN	-DTVP0367
17	WNEW	MUSKEGON MI	177.6	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

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
18	WVTV	MILWAUKEE WI	DTVPLN -NPLN1037

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WMTV	MADISON WI	128.5	PLN	DTVPLN -NPLN0942
16	WTVO-DT	ROCKFORD IL	137.1	PLN	DTVPLN -DTVP0216
16	WTHXTV	MANITOWOC WI	116.5	PLN	DTVPLN -NPLN0975
17	WTVO	ROCKFORD IL	137.1	PLN	DTVPLN -NPLN0986
17	WYIN-DT	GARY IN	198.7	PLN	DTVPLN -DTVP0259
17	WXMI	GRAND RAPIDS MI	198.5	PLN	DTVPLN -NPLN0987
17	WCMW-DT	MANISTEE MI	166.2	PLN	DTVPLN -DTVP0265
18	KLJBTV	DAVENPORT IA	283.6	PLN	DTVPLN -NPLN1016
18	KYIN-DT	MASON CITY IA	400.2	PLN	DTVPLN -DTVP0302
18	WAND-DT	DECATUR IL	357.9	PLN	DTVPLN -DTVP0304
18	WLFITV	LAFAYETTE IN	319.5	PLN	DTVPLN -NPLN1017
18	WHTV	JACKSON MI	302.0	PLN	DTVPLN -NPLN1021
18	WUCM-DT	UNIVERSITY CENTER MI	321.4	PLN	DTVPLN -DTVP0309
18	WQOWTV	EAU CLAIRE WI	365.1	PLN	DTVPLN -NPLN1036
19	WGN-DT	CHICAGO IL	135.1	PLN	DTVPLN -DTVP0350
19	WXMI-DT	GRAND RAPIDS MI	198.5	PLN	DTVPLN -DTVP0358
19	WMTV-DT	MADISON WI	128.5	PLN	DTVPLN -DTVP0379
19	WTHX-DT	MANITOWOC WI	116.5	PLN	DTVPLN -DTVP0380
20	WYCC	CHICAGO IL	135.1	PLN	DTVPLN -NPLN1078
20	WHA-DT	MADISON WI	132.4	PLN	DTVPLN -DTVP0425
21	WYCC-DT	CHICAGO IL	135.1	PLN	DTVPLN -DTVP0435
21	WHATV	MADISON WI	132.4	PLN	DTVPLN -NPLN1131
22	WVCY-DT	MILWAUKEE WI	1.0	PLN	DTVPLN -DTVP0510
25	WCGV-DT	MILWAUKEE WI	1.0	PLN	DTVPLN -DTVP0625
26	WCIUTV	CHICAGO IL	137.1	PLN	DTVPLN -NPLN1276
26	WGBA	GREEN BAY WI	140.4	PLN	DTVPLN -NPLN1295
26	WKOW-DT	MADISON WI	132.4	PLN	DTVPLN -DTVP0659
32	WFLD	CHICAGO IL	135.1	PLN	DTVPLN -NPLN1429
32	WACY	APPLETON WI	140.4	PLN	DTVPLN -NPLN1439
32	WJNW-DT	JANESVILLE WI	115.5	PLN	DTVPLN -DTVP0889
33	WITI-DT	MILWAUKEE WI	1.0	PLN	DTVPLN -DTVP0922

Results for: 18N WI MILWAUKEE DTVPLN NPLN1037 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	2484942	20278.1
not affected by terrain losses	2473267	20048.7
lost to NTSC IX	120043	828.2
lost to additional IX by ATV	388	3.9
lost to all IX	120431	832.1

Analysis of current record

Channel	Call	City/State	Application Ref. No.

Figure 2

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   18      WVTV       MILWAUKEE WI              BLCT      -19870804KE

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   WTVO-DT  ROCKFORD IL              137.1  PLN    DTVPLN    -DTVP0216
 17   WTVO     ROCKFORD IL              137.1  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                  198.7  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  198.7  PLN    DTVPLN    -DTVP0259
 17   WXMI     GRAND RAPIDS MI          198.5  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI              166.2  PLN    DTVPLN    -DTVP0265
 18   KLJB-TV  DAVENPORT IA             303.3  APP    BSTA      -20080512AAT
 18   KLJB-TV  DAVENPORT IA             283.1  LIC    BLCT      -19991109AAA
 18   KYIN-DT  MASON CITY IA            400.2  PLN    DTVPLN    -DTVP0302
 18   KYIN     MASON CITY IA            390.8  LIC    BLEDT     -20070924AFU
 18   WAND     DECATUR IL               357.9  LIC    BLCDT     -20020509AAX
 18   WAND-DT  DECATUR IL               357.9  PLN    DTVPLN    -DTVP0304
 18   WLFI-TV  LAFAYETTE IN             319.5  LIC    BLCT      -2217
 18   WUCM-DT  UNIVERSITY CENTER MI     321.4  PLN    DTVPLN    -DTVP0309
 18   WQOW-TV  EAU CLAIRE WI            342.0  APP    BSTA      -20080325ACA
 18   WQOW-TV  EAU CLAIRE WI            342.0  LIC    BLCT      -20000728AEE
 19   WGN-TV   CHICAGO IL               137.1  LIC    BLCDT     -20040316ACQ
 19   WGN-DT   CHICAGO IL               135.1  PLN    DTVPLN    -DTVP0350
 19   WXMI     GRAND RAPIDS MI          198.5  LIC    BLCDT     -20030117ABD
 19   WXMI-DT  GRAND RAPIDS MI          198.5  PLN    DTVPLN    -DTVP0358
 19   WMTV-DT  MADISON WI               128.5  PLN    DTVPLN    -DTVP0379
 19   WMTV     MADISON WI               128.5  LIC    BLCDT     -20040823ABP
 19   WTHX-DT  MANITOWOC WI             116.5  PLN    DTVPLN    -DTVP0380
 20   WYCC     CHICAGO IL               135.1  LIC    BLET      -20041105AQB
 20   WHA-TV   MADISON WI               132.4  LIC    BLEDT     -20020503AAF
 20   WHA-DT   MADISON WI               132.4  PLN    DTVPLN    -DTVP0425
 21   WYCC     CHICAGO IL               135.1  LIC    BLEDT     -20030501ABC
 21   WYCC-DT  CHICAGO IL               135.1  PLN    DTVPLN    -DTVP0435
 21   WHA-TV   MADISON WI               132.4  LIC    BLET      -20020227ABP
 21   WIWB     SURING WI                137.6  LIC    BLCDT     -20040521ADD
 22   WVCY-DT  MILWAUKEE WI               1.0  PLN    DTVPLN    -DTVP0510
 22   WVCY-TV  MILWAUKEE WI               0.1  LIC    BLCDT     -20060619AAX
 25   WCGV-TV  MILWAUKEE WI               0.1  CP MOD BMPCDT    -20010920AAK
 25   WCGV-DT  MILWAUKEE WI               1.0  PLN    DTVPLN    -DTVP0625
 26   WCIU-TV  CHICAGO IL               137.1  APP    BSTA      -20081008AHE
 26   WCIU-TV  CHICAGO IL               137.1  LIC    BLCT      -19990604KI
 26   WGBA     GREEN BAY WI             140.4  LIC    BLCT      -19990602KG
 26   WKOW-DT  MADISON WI               132.4  PLN    DTVPLN    -DTVP0659
 32   WFLD     CHICAGO IL               135.1  LIC    BLCT      -19830408KG
 32   WACY     APPLETON WI              140.4  APP    BSTA      -20090219AAP
 32   WACY     APPLETON WI              140.4  LIC    BMLCT     -19990831LF
 32   WJNW-DT  JANESVILLE WI            115.5  PLN    DTVPLN    -DTVP0889
 32   WBUW     JANESVILLE WI            128.5  LIC    BLCDT     -20040930BHL
 33   WITI-DT  MILWAUKEE WI               1.0  PLN    DTVPLN    -DTVP0922
 17   WNEW     MUSKEGON MI              143.9  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station  27


Analysis of current record
Channel     Call          City/State        Application Ref. No.
   19      W36BZ      CADILLAC MI              BLTTL     -20060531AJA

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 17   WCMV     CADILLAC MI               58.8  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI               58.8  LIC    BPRM      -20020111ABB
 17   WCMW-DT  MANISTEE MI               83.8  PLN    DTVPLN    -DTVP0265
 18   WUCM-DT  UNIVERSITY CENTER MI     131.2  PLN    DTVPLN    -DTVP0309
 18   W18CU-D  SISTER BAY WI            178.3  LIC    BLDTT     -20081117AAA
 19   WGN-TV   CHICAGO IL               324.0  LIC    BLCDT     -20040316ACQ
 19   WGN-DT   CHICAGO IL               321.5  PLN    DTVPLN    -DTVP0350
 19   WKJG-DT  FORT WAYNE IN            350.8  PLN    DTVPLN    -DTVP0352
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Figure 2

19	WISE-TV	FORT WAYNE IN	350.8	LIC	BLCDT	-20070509AEQ
19	WXMI	GRAND RAPIDS MI	174.4	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	174.4	PLN	DTVPLN	-DTVP0358
19	WMQF	MARQUETTE MI	317.6	CP	BPCDT	-20080807AAG
19	WMQF	MARQUETTE MI	317.6	LIC	BLCT	-20030305ABG
19	WDCP-TV	UNIVERSITY CENTER MI	131.2	LIC	BMLET	-20070522ACN
19	WDCP-TV	UNIVERSITY CENTER MI	131.2	APP	BSTA	-20070522ACO
19	WTVG-DT	TOLEDO OH	324.3	PLN	DTVPLN	-DTVP0367
19	WMTV-DT	MADISON WI	361.1	PLN	DTVPLN	-DTVP0379
19	WMTV	MADISON WI	361.1	LIC	BLCDT	-20040823ABP
19	WTHX-DT	MANITOWOC WI	185.0	PLN	DTVPLN	-DTVP0380
23	NEW	TRAVERSE CITY MI	104.6	LIC	BPRM	-20000403ADN
33	WFQX-TV	CADILLAC MI	11.5	LIC	BLCT	-19980803IX
17	WNEW	MUSKEGON MI	123.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	DW19BA	GRAND RAPIDS MI	BLTT	-19900625ID

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WSMH	FLINT MI	120.8	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	120.8	PLN	DTVPLN	-DTVP0225
17	WCMW-DT	MANISTEE MI	132.1	PLN	DTVPLN	-DTVP0265
18	W18CF	ELKHART IN	159.0	CP	BDFCDTT	-20060223AAW
19	W19DE-D	CHAMPAIGN/URBANA IL	380.0	CP	BDCCDTL	-20061026ACW
19	WGN-TV	CHICAGO IL	215.8	LIC	BLCDT	-20040316ACQ
19	WGN-DT	CHICAGO IL	213.6	PLN	DTVPLN	-DTVP0350
19	W19CX	STERLING-DIXON IL	357.9	APP	BDFCDTT	-20060330AMI
19	WKJG-DT	FORT WAYNE IN	217.4	PLN	DTVPLN	-DTVP0352
19	WISE-TV	FORT WAYNE IN	217.4	LIC	BLCDT	-20070509AEQ
19	WDNI-LP	INDIANAPOLIS IN	362.4	CP	BDFCDTA	-20090206ABO
19	WXMI	GRAND RAPIDS MI	38.5	LIC	BLCDT	-20030117ABD
19	WXMI-DT	GRAND RAPIDS MI	38.5	PLN	DTVPLN	-DTVP0358
19	WDCP-TV	UNIVERSITY CENTER MI	137.7	LIC	BMLET	-20070522ACN
19	WDCP-TV	UNIVERSITY CENTER MI	137.7	APP	BSTA	-20070522ACO
19	WOIO	SHAKER HEIGHTS OH	364.2	LIC	BLCT	-20041112ACR
19	WTVG-DT	TOLEDO OH	229.1	PLN	DTVPLN	-DTVP0367
19	WMTV-DT	MADISON WI	322.2	PLN	DTVPLN	-DTVP0379
19	WMTV	MADISON WI	322.2	LIC	BLCDT	-20040823ABP
19	WTHX-DT	MANITOWOC WI	208.6	PLN	DTVPLN	-DTVP0380
20	WOTV	BATTLE CREEK MI	51.6	LIC	BLCDT	-20030721AHS
20	WOTV-DT	BATTLE CREEK MI	51.6	PLN	DTVPLN	-DTVP0401
20	WMKE-LD	MILWAUKEE WI	194.7	CP	BDCCDTL	-20061030AFR
22	WNEM-DT	BAY CITY MI	144.2	PLN	DTVPLN	-DTVP0486
33	WPXD	ANN ARBOR MI	139.4	APP	BPCDT	-19990812KH
33	WBSX-DT	ANN ARBOR MI	139.3	PLN	DTVPLN	-DTVP0903
33	WFQX-TV	CADILLAC MI	124.7	LIC	BLCT	-19980803IX
34	WHTV-DT	JACKSON MI	127.5	PLN	DTVPLN	-DTVP0940
34	WHTV	JACKSON MI	100.8	CP MOD	BMPCDT	-20070125ACI
17	WNEW	MUSKEGON MI	60.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 29

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
21	WCMW	MANISTEE MI	DTVPLN	-NPLN1111

Figure 2

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMUTV	MOUNT PLEASANT MI	136.6	PLN	DTVPLN	-NPLN0890
14	WSCO	SURING WI	169.9	PLN	DTVPLN	-NPLN0910
17	WCMW-DT	MANISTEE MI	0.0	PLN	DTVPLN	-DTVP0265
19	WTHX-DT	MANITOWOC WI	103.6	PLN	DTVPLN	-DTVP0380
20	WOTV-DT	BATTLE CREEK MI	180.2	PLN	DTVPLN	-DTVP0401
21	WYCC-DT	CHICAGO IL	262.7	PLN	DTVPLN	-DTVP0435
21	WPTA	FORT WAYNE IN	342.5	PLN	DTVPLN	-NPLN1106
21	WXON-DT	DETROIT MI	301.1	PLN	DTVPLN	-DTVP0442
21	WHATV	MADISON WI	281.3	PLN	DTVPLN	-NPLN1131
21	WSCO-DT	SURING WI	169.9	PLN	DTVPLN	-DTVP0463
22	WVCY-DT	MILWAUKEE WI	166.8	PLN	DTVPLN	-DTVP0510
23	WBAY-DT	GREEN BAY WI	138.3	PLN	DTVPLN	-DTVP0549
24	WTLJ-DT	MUSKEGON MI	128.1	PLN	DTVPLN	-DTVP0571
29	WGTU	TRAVERSE CITY MI	125.8	PLN	DTVPLN	-NPLN1359
35	WGVUTV	GRAND RAPIDS MI	127.9	PLN	DTVPLN	-NPLN1500
36	WMVT	MILWAUKEE WI	166.2	PLN	DTVPLN	-NPLN1533

Results for: 21N MI MANISTEE DTVPLN NPLN1111 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	52823	4531.0
not affected by terrain losses	51321	4509.3
lost to NTSC IX	92	29.6
lost to additional IX by ATV	769	42.4
lost to all IX	861	72.0

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WCMW	MANISTEE MI	BLET	-19841002KG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMU-TV	MOUNT PLEASANT MI	136.3	LIC	BMLET	-19940726KE
14	WIWB	SURING WI	169.9	LIC	BLCT	-19980622KF
17	WCMV	CADILLAC MI	125.8	LIC	BLEDT	-20050914AAI
17	WCMV-DR	CADILLAC MI	125.8	LIC	BPRM	-20020111ABB
17	WCMW-DT	MANISTEE MI	0.0	PLN	DTVPLN	-DTVP0265
19	WTHX-DT	MANITOWOC WI	103.6	PLN	DTVPLN	-DTVP0380
20	WOTV	BATTLE CREEK MI	180.3	LIC	BLCDT	-20030721AHS
20	WOTV-DT	BATTLE CREEK MI	180.2	PLN	DTVPLN	-DTVP0401
21	WYCC	CHICAGO IL	262.7	LIC	BLEDT	-20030501ABC
21	WYCC-DT	CHICAGO IL	262.7	PLN	DTVPLN	-DTVP0435
21	WPTA	FORT WAYNE IN	342.5	LIC	BLCT	-20061106ABS
21	WMYD	DETROIT MI	312.6	LIC	BLCDT	-20040524AOG
21	WXON-DT	DETROIT MI	301.1	PLN	DTVPLN	-DTVP0442
21	WHA-TV	MADISON WI	281.3	LIC	BLET	-20020227ABP
21	WIWB	SURING WI	134.8	LIC	BLCDT	-20040521ADD
21	WSCO-DT	SURING WI	169.9	PLN	DTVPLN	-DTVP0463
22	960920YL	GREEN BAY WI	183.6	APP	BPCT	-19960920YL
22	WVCY-DT	MILWAUKEE WI	166.8	PLN	DTVPLN	-DTVP0510
22	WVCY-TV	MILWAUKEE WI	166.2	LIC	BLCDT	-20060619AAX
23	WBAY-DT	GREEN BAY WI	138.3	PLN	DTVPLN	-DTVP0549
24	WTLJ-DT	MUSKEGON MI	128.1	PLN	DTVPLN	-DTVP0571
24	WTLJ	MUSKEGON MI	128.1	LIC	BLCDT	-20051115ABP
28	960722KR	SHEBOYGAN WI	165.4	APP	BPCT	-19960722KR
29	WGTU	TRAVERSE CITY MI	125.8	LIC	BLCT	-20041012AIJ
35	WGVU-TV	GRAND RAPIDS MI	127.9	LIC	BMLET	-19911016KH
35	WGVU-TV	GRAND RAPIDS MI	127.9	APP	BSTA	-20081027ADA
36	WMVT	MILWAUKEE WI	166.2	LIC	BLET	-20050623ABQ
17	WNEW	MUSKEGON MI	84.8	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 30

Figure 2

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Analysis of current record
Channel     Call           City/State        Application Ref. No.
   25      WOGC-CA    HOLLAND MI               BLTTA     -20020812ACT

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 17   WCMW-DT  MANISTEE MI              142.2  PLN    DTVPLN    -DTVP0265
 24   WHVI-LP  VALPARAISO IN            168.6  CP     BDFCDTL   -20060331AFL
 24   WTLJ-DT  MUSKEGON MI               16.2  PLN    DTVPLN    -DTVP0571
 24   WTLJ     MUSKEGON MI               16.2  LIC    BLCDT     -20051115ABP
 24   W46CR    SAGINAW MI               170.6  CP     BDISDTL   -20080918AGD
 25   W25DW    ARBURY HILLS IL          171.6  CP     BDFCDTL   -20090217AAT
 25   W25DW    ARBURY HILLS IL          171.6  LIC    BLTTL     -20080609ABO
 25   WEEK-TV  PEORIA IL                384.5  APP    BSTA      -20080619AGT
 25   WEEK-TV  PEORIA IL                384.5  CP     BPCDT     -20080409ABM
 25   WEEK-TV  PEORIA IL                384.5  LIC    BLCT      -20030523AFG
 25   WRTV-DT  INDIANAPOLIS IN          324.8  PLN    DTVPLN    -DTVP0602
 25   WCWW-LP  SOUTH BEND IN            134.8  LIC    BLTTL     -20021010AAP
 25   WEYI-TV  SAGINAW MI               186.9  LIC    BLCT      -20040123APE
 25   WVIZ     CLEVELAND OH             384.4  CP     BPET      -20011228AAY
 25   WCPX-LP  COLUMBUS OH              395.8  CP     BDISDTL   -20080905AEC
 25   WOHL-CA  LIMA OH                  282.6  APP    BDFCDTA   -20080815AAD
 25   WCGV-TV  MILWAUKEE WI             161.6  CP MOD BMPCDT    -20010920AAK
 25   WCGV-DT  MILWAUKEE WI             161.3  PLN    DTVPLN    -DTVP0625
 26   W26DH-D  AUBURN IN                180.9  CP     BDCCDTL   -20061030ACM
 26   WHNE-LD  FLINT MI                 197.5  CP     BDCCDTL   -20060920AAV
 26   W26BX    KALAMAZOO MI              91.6  CP     BDFCDTT   -20060331AYN
 26   W67DN    MUSKEGON MI               47.1  APP    BPTTL     -20011213ABJ
 28   WSJV     ELKHART IN               134.8  CP MOD BMPCDT    -20080619ADY
 39   WZZM-DT  GRAND RAPIDS MI           54.9  PLN    DTVPLN    -DTVP1092
 17   WNEW     MUSKEGON MI               57.6  APP    USERRECORD-01
 Proposal causes no interference

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     Analysis of Interference to Affected Station  31


Analysis of current record
Channel     Call           City/State        Application Ref. No.
   17      WNEW       MUSKEGON MI              USERRECORD-01

     Stations Potentially Affecting This Station

Chan   Call      City/State           Dist(km) Status  Application Ref. No.
 16   W29DJ    SHEBOYGAN WI             135.9  CP     BDFCDTT   -20060329AEI
 17   WTVO     ROCKFORD IL              271.1  LIC    BMLCT     -20021024AAY
 17   WYIN     GARY IN                  241.2  LIC    BLEDT     -20040206AAA
 17   WYIN-DT  GARY IN                  241.2  PLN    DTVPLN    -DTVP0259
 17   WCMV     CADILLAC MI              181.5  LIC    BLEDT     -20050914AAI
 17   WCMV-DR  CADILLAC MI              181.5  LIC    BPRM      -20020111ABB
 17   WXMI     GRAND RAPIDS MI           86.1  LIC    BLCT      -20030117AAW
 17   WCMW-DT  MANISTEE MI               84.8  PLN    DTVPLN    -DTVP0265
 17   W17CS    MARQUETTE MI             370.6  CP     BDFCDTT   -20060331AGV
 17   W17AA    CELINA OH                335.6  CP     BDFCDTT   -20060331AJJ
 17   WTOL-DT  TOLEDO OH                291.5  PLN    DTVPLN    -DTVP0276
 17   WYTU-LD  MILWAUKEE WI             145.6  LIC    BLDTL     -20071210ACK
 17   W17CF    OSHKOSH WI               208.2  CP     BDFCDTT   -20060221AEK
 18   W18CF    ELKHART IN               186.0  CP     BDFCDTT   -20060223AAW
 18   WHNW-LP  GARY IN                  213.5  CP     BDFCDTL   -20060331AGD
 18   W18CU-D  SISTER BAY WI            226.5  LIC    BLDTT     -20081117AAA

 Total scenarios =   2


Result key:       13
Scenario        1  Affected station       31  WNEW
Before Analysis

Results for: 17A MI MUSKEGON            USERRECORD01          APP
   HAAT  126.0 m, ATV ERP   15.0 kW
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Figure 2

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                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      350553       7031.2
   not affected by terrain losses    349915       7026.2
   lost to NTSC IX                   108400       1973.8
   lost to additional IX by ATV        1725         76.9
   lost to ATV IX only                 3591        180.8
   lost to all IX                    110125       2050.7

 Potential Interfering Stations Included in above Scenario     1

17N IL ROCKFORD             BMLCT     20021024AAY  LIC
17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
17A MI CADILLAC             BLEDT     20050914AAI  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A WI OSHKOSH              BDFCDTT   20060221AEK  CP

Result key:       14
Scenario        2  Affected station       31  WNEW
Before Analysis

Results for: 17A MI MUSKEGON             USERRECORD01           APP
   HAAT  126.0 m, ATV ERP   15.0 kW
                                  POPULATION   AREA (sq km)
   within Noise Limited Contour      350553       7031.2
   not affected by terrain losses    349915       7026.2
   lost to NTSC IX                   108400       1973.8
   lost to additional IX by ATV        1725         78.9
   lost to ATV IX only                 3909        185.8
   lost to all IX                    110125       2052.7

 Potential Interfering Stations Included in above Scenario     2

17N IL ROCKFORD             BMLCT     20021024AAY  LIC
17N MI GRAND RAPIDS         BLCT      20030117AAW  LIC
17A MI CADILLAC             BPRM      20020111ABB  LIC
17A MI MANISTEE             DTVPLN    DTVP0265     PLN
17A WI OSHKOSH              BDFCDTT   20060221AEK  CP

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
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