

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-26-2011

Record Selected for Analysis

WXMI-LD USERRECORD-01 BATTLE CREEK MI US
Channel 17 ERP 15. kW HAAT 128. m RCAMSL 00403 m STRINGENT MASK
Latitude 042-07-44 Longitude 0085-20-22
Status APP Zone 1 Border Site number: 01
Dir Antenna Make CDB Model 00000000019448 Beam tilt N Ref Azimuth 325.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

| Site number | 1 | | |
|-------------|--------|-------|-------------------|
| Azimuth | ERP | HAAT | 51.0 dBu F(50,90) |
| (Deg) | (kW) | (m) | (km) |
| 0.0 | 12.696 | 113.8 | 43.3 |
| 45.0 | 14.114 | 113.6 | 43.8 |
| 90.0 | 4.056 | 128.2 | 38.6 |
| 135.0 | 0.661 | 133.7 | 29.7 |
| 180.0 | 1.218 | 135.3 | 32.9 |
| 225.0 | 10.838 | 131.8 | 43.8 |
| 270.0 | 14.114 | 135.7 | 45.4 |
| 315.0 | 14.702 | 127.9 | 45.1 |

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 179.3km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Proposed Station | Call | City/State | ARN |
|---------|------------------|-----------------|--------------|-----|
| 17 | WXMI-LD | BATTLE CREEK MI | USERRECORD01 | |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|-----------------|----------|--------|----------------------|
| 14 | WOBC-CA | BATTLE CREEK MI | 22.8 | LIC | BLTTA -20021206AAN |
| 16 | W16CU-D | FORT WAYNE IN | 131.7 | CP | BNPDTL -20091026ADO |

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

| | | | | | | |
|----|---------|-----------------|-------|--------|---------|--------------|
| 16 | W16CU-D | FORT WAYNE IN | 131.7 | APP | BMPDTL | -20110504ABE |
| 16 | WEID-LP | SOUTH BEND IN | 77.9 | CP | BDISDTL | -20101109ADR |
| 16 | WSMH | FLINT MI | 160.6 | CP | BPCDT | -19991028ACK |
| 16 | WSMH | FLINT MI | 159.7 | LIC | BLCDT | -20090804ABG |
| 16 | WSMH | FLINT MI | 159.7 | CP | BPCDT | -20051115ADO |
| 16 | NEW | LIMA OH | 182.8 | APP | BNPDTL | -20100609AFI |
| 17 | WAND-DR | DECATUR IL | 379.8 | APP | BPRM | -20101126ABC |
| 17 | WAND | DECATUR IL | 379.8 | APP | BMPCDT | -20110512AAW |
| 17 | NEW | PEORIA IL | 390.3 | APP | BNPDTL | -20091026ABJ |
| 17 | W17DN-D | ROCKFORD IL | 315.4 | CP | BNPDTL | -20091019ABZ |
| 17 | WYIN | GARY IN | 191.7 | LIC | BLEDT | -20040206AAA |
| 17 | WISH-TV | INDIANAPOLIS IN | 259.2 | LIC | BLCDT | -20110207ACU |
| 17 | WHAN-LP | SALEM IN | 397.4 | LIC | BLTTL | -19941013JH |
| 17 | WCMV | CADILLAC MI | 291.9 | LIC | BLEDT | -20050914AAI |
| 17 | W52DB | MUSKEGON MI | 147.6 | CP | BDISDTT | -20090313AAB |
| 17 | W17AA | CELINA OH | 188.1 | APP | BSTA | -20091103ACH |
| 17 | W17AA | CELINA OH | 188.3 | LIC | BLTT | -1147 |
| 17 | W17AA | CELINA OH | 188.1 | CP MOD | BMPDTT | -20090723AET |
| 17 | WKYC | CLEVELAND OH | 313.7 | LIC | BLCDT | -20090619ADC |
| 17 | WDEM-CD | COLUMBUS OH | 308.3 | LIC | BLDTA | -20090223ACT |
| 17 | WDEM-CD | COLUMBUS OH | 308.3 | CP | BPDTA | -20100222ABC |
| 17 | WLWD-LP | DAYTON OH | 282.3 | APP | BDISDTL | -20101025AAK |
| 17 | W17AY | SEAMAN OH | 393.4 | LIC | BLTTL | -19940810IB |
| 17 | WYTU-LD | MILWAUKEE WI | 238.4 | LIC | BLDTL | -20071210ACK |
| 17 | WYTU-LD | MILWAUKEE WI | 238.4 | CP | BPDTL | -20090923ACP |
| 17 | W17CF | OSHKOSH WI | 336.5 | LIC | BLTT | -19990608JA |
| 18 | WEID-LP | ELKHART IN | 75.9 | LIC | BLTT | -20001011AEF |
| 18 | WISE-DR | FORT WAYNE IN | 114.8 | APP | BPRM | -20080820AHU |
| 18 | WISE-TV | FORT WAYNE IN | 114.8 | LIC | BLCDT | -20091103ACK |
| 18 | WHNW-LD | GARY IN | 175.4 | APP | BSTA | -20070309ACD |
| 18 | WHNW-LD | GARY IN | 175.4 | LIC | BLDTL | -20110121ABI |
| 18 | WDWO-CD | DETROIT MI | 174.6 | LIC | BLDTA | -20101007AAV |
| 18 | WDWO-CD | DETROIT MI | 171.2 | CP | BPDTA | -20101103ABI |
| 18 | WDWO-CD | DETROIT MI | 174.6 | APP | BPTTL | -19960517MS |
| 18 | WLQP-LP | LIMA OH | 191.1 | LIC | BLTTL | -19990407JA |
| 18 | WLQP-LP | LIMA OH | 186.2 | APP | BDFCDTL | -20060331BFI |
| 18 | WDTJ-LP | TOLEDO OH | 157.4 | APP | BDISDTL | -20101026AAB |
| 25 | WCWW-LP | SOUTH BEND IN | 90.3 | LIC | BLTTL | -20021010AAP |
| 25 | WOGC-CA | HOLLAND MI | 91.6 | LIC | BLTTA | -20020812ACT |

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|-----------------|----------------------|
| 14 | WOBC-CA | BATTLE CREEK MI | BLTTA -20021206AAN |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 16 | W16CU-D | FORT WAYNE IN | BNPDTL -20091026ADO |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 16 | W16CU-D | FORT WAYNE IN | BMPDTL -20110504ABE |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Analysis of Interference to Affected Station 4

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|---------------|-------------|--------------|
| 16 | WEID-LP | SOUTH BEND IN | BDISDTL | -20101109ADR |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-----------------|----------|--------|---------------|--------------|
| 16 | WTVO | ROCKFORD IL | 265.7 | LIC | BLCDDT | -20021024AAS |
| 16 | W16CU-D | FORT WAYNE IN | 120.1 | CP | BNPDTL | -20091026ADO |
| 16 | W16CU-D | FORT WAYNE IN | 120.1 | APP | BMPDTL | -20110504ABE |
| 16 | W16DB-D | LAFAYETTE IN | 131.0 | CP | BNPDTL | -20100125AHF |
| 16 | WSMH | FLINT MI | 237.7 | CP | BPCDDT | -19991028ACK |
| 16 | WSMH | FLINT MI | 236.8 | LIC | BLCDDT | -20090804ABG |
| 16 | WSMH | FLINT MI | 236.8 | CP | BPCDDT | -20051115ADO |
| 16 | WPTD | DAYTON OH | 265.7 | LIC | BLEDDT | -20090923ACN |
| 17 | WYIN | GARY IN | 117.3 | LIC | BLEDDT | -20040206AAA |
| 17 | WXMI-LD | BATTLE CREEK MI | 77.9 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 4
Before Analysis

Results for: 16A IN SOUTH BEND BDISDTL 20101109ADR CP

| HAAT 105.0 m, ATV ERP 15.0 kW | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 621200 | 6048.9 |
| not affected by terrain losses | 621200 | 6048.9 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 12 | 1.0 |
| lost to ATV IX only | 12 | 1.0 |
| lost to all IX | 12 | 1.0 |

Potential Interfering Stations Included in above Scenario 1

16A MI FLINT BLCDDT 20090804ABG LIC

After Analysis

Results for: 16A IN SOUTH BEND BDISDTL 20101109ADR CP

| HAAT 105.0 m, ATV ERP 15.0 kW | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 621200 | 6048.9 |
| not affected by terrain losses | 621200 | 6048.9 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 140 | 9.8 |
| lost to ATV IX only | 140 | 9.8 |
| lost to all IX | 140 | 9.8 |

Potential Interfering Stations Included in above Scenario 1

16A MI FLINT BLCDDT 20090804ABG LIC
17A MI BATTLE CREEK USERRECORD01 APP

Percent new IX = 0.0206%

Worst case new IX 0.0206% Scenario 1

#####

Analysis of Interference to Affected Station 5

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|--------------|
| 16 | WSMH | FLINT MI | BPCDDT | -19991028ACK |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Analysis of current record
Channel Call City/State Application Ref. No.
16 WSMH FLINT MI BLC DT -20090804ABG

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

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

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Analysis of current record
Channel Call City/State Application Ref. No.
16 NEW LIMA OH BNP DT L -20100609AFI

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 9

Analysis of current record
Channel Call City/State Application Ref. No.
17 WAND-DR DECATUR IL BPR M -20101126ABC

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 10

Analysis of current record
Channel Call City/State Application Ref. No.
17 WAND DECATUR IL BMP C DT -20110512AAW

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 11

Analysis of current record
Channel Call City/State Application Ref. No.
17 NEW PEORIA IL BNP DT L -20091026ABJ

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 12

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-------------|-------------|--------------|
| 17 | W17DN-D | ROCKFORD IL | BNPDTL | -20091019ABZ |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 13

Analysis of current record

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

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 14

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|-----------------|-------------|--------------|
| 17 | WISH-TV | INDIANAPOLIS IN | BLCDT | -20110207ACU |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 15

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|------------|-------------|-------------|
| 17 | WHAN-LP | SALEM IN | BLTTL | -19941013JH |

Stations Potentially Affecting This Station

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 | 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 | FLINT MI | 187.0 | LIC | BLCDT | -20090804ABG |
| 16 | WSMH | FLINT MI | 187.0 | CP | BPCDT | -20051115ADO |
| 17 | WYIN | GARY IN | 422.6 | LIC | BLEDT | -20040206AAA |
| 17 | WXMI-LD | BATTLE CREEK MI | 291.9 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key:

2

Scenario 1 Affected station 16
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 |

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

| | | |
|------------------------------|----|-----|
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 54 | 8.0 |
| lost to ATV IX only | 54 | 8.0 |
| lost to all IX | 54 | 8.0 |

Potential Interfering Stations Included in above Scenario 1

16A MI FLINT BPCDT 19991028ACK CP

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 | 0 | 0.0 |
| lost to additional IX by ATV | 289 | 26.9 |
| lost to ATV IX only | 289 | 26.9 |
| lost to all IX | 289 | 26.9 |

Potential Interfering Stations Included in above Scenario 1

16A MI FLINT BPCDT 19991028ACK CP
17A MI BATTLE CREEK USERRECORD01 APP

Percent new IX = 0.0599%

Worst case new IX 0.0599% Scenario 1

#####

Analysis of Interference to Affected Station 17

Analysis of current record

| | | | |
|---------|-------|-------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 17 | W52DB | MUSKEGON MI | BDISDTT -20090313AAB |

Stations Potentially Affecting This Station

| | | | | | |
|------|---------|-----------------|----------|--------|----------------------|
| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
| 17 | WYIN | GARY IN | 241.2 | LIC | BLEDT -20040206AAA |
| 17 | WCMV | CADILLAC MI | 181.5 | LIC | BLEDT -20050914AAI |
| 17 | WYTU-LD | MILWAUKEE WI | 145.6 | LIC | BLDTL -20071210ACK |
| 17 | WYTU-LD | MILWAUKEE WI | 145.6 | CP | BPDTL -20090923ACP |
| 17 | W17CF | OSHKOSH WI | 208.2 | LIC | BLTT -19990608JA |
| 17 | WXMI-LD | BATTLE CREEK MI | 147.6 | APP | USERRECORD-01 |

Total scenarios = 1

Result key: 3

Scenario 1 Affected station 17
Before Analysis

Results for: 17A MI MUSKEGON BDISDTT 20090313AAB CP

| | | |
|--------------------------------|------------|--------------|
| HAAT 142.0 m, ATV ERP 15.0 kW | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 350453 | 7014.2 |
| not affected by terrain losses | 349815 | 7009.2 |
| lost to NTSC IX | 17 | 1.0 |
| lost to additional IX by ATV | 1579 | 26.0 |
| lost to ATV IX only | 1596 | 27.0 |
| lost to all IX | 1596 | 27.0 |

Potential Interfering Stations Included in above Scenario 1

17N WI OSHKOSH BLTT 19990608JA LIC
17A MI CADILLAC BLEDT 20050914AAI LIC

After Analysis

Results for: 17A MI MUSKEGON BDISDTT 20090313AAB CP

| | | |
|--------------------------------|------------|--------------|
| HAAT 142.0 m, ATV ERP 15.0 kW | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 350453 | 7014.2 |
| not affected by terrain losses | 349815 | 7009.2 |
| lost to NTSC IX | 17 | 1.0 |
| lost to additional IX by ATV | 1579 | 27.0 |
| lost to ATV IX only | 1596 | 28.0 |
| lost to all IX | 1596 | 28.0 |

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Potential Interfering Stations Included in above Scenario 1

| | | | |
|---------------------|--------------|-------------|-----|
| 17N WI OSHKOSH | BLTT | 19990608JA | LIC |
| 17A MI CADILLAC | BLEDT | 20050914AAI | LIC |
| 17A MI BATTLE CREEK | USERRECORD01 | | APP |

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 18

Analysis of current record

| | | | | |
|---------|-------|------------|-------------|--------------|
| Channel | Call | City/State | Application | Ref. No. |
| 17 | W17AA | CELINA OH | BSTA | -20091103ACH |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 19

Analysis of current record

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

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 20

Analysis of current record

| | | | | |
|---------|-------|------------|-------------|--------------|
| Channel | Call | City/State | Application | Ref. No. |
| 17 | W17AA | CELINA OH | BMPDTT | -20090723AET |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 21

Analysis of current record

| | | | | |
|---------|------|--------------|-------------|--------------|
| Channel | Call | City/State | Application | Ref. No. |
| 17 | WKYC | CLEVELAND OH | BLCDT | -20090619ADC |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 22

Analysis of current record

| | | | | |
|---------|---------|-------------|-------------|--------------|
| Channel | Call | City/State | Application | Ref. No. |
| 17 | WDEM-CD | COLUMBUS OH | BLDTA | -20090223ACT |

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 23

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Analysis of current record
Channel Call City/State Application Ref. No.
17 WDEM-CD COLUMBUS OH BPD TA -20100222ABC

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 24

Analysis of current record
Channel Call City/State Application Ref. No.
17 WLWD-LP DAYTON OH BDISDTL -20101025AAK

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 25

Analysis of current record
Channel Call City/State Application Ref. No.
17 W17AY SEAMAN OH BLTTL -19940810IB

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 26

Analysis of current record
Channel Call City/State Application Ref. No.
17 WYTU-LD MILWAUKEE WI BLDTL -20071210ACK

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 27

Analysis of current record
Channel Call City/State Application Ref. No.
17 WYTU-LD MILWAUKEE WI BPD TL -20090923ACP

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 28

Analysis of current record
Channel Call City/State Application Ref. No.
17 W17CF OSHKOSH WI BLTT -19990608JA

Stations Potentially Affecting This Station

Proposal causes no interference

#####

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Analysis of Interference to Affected Station 29

Analysis of current record
Channel Call City/State Application Ref. No.
18 WEID-LP ELKHART IN BLTT -20001011AEF

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 30

Analysis of current record
Channel Call City/State Application Ref. No.
18 WISE-DR FORT WAYNE IN BPRM -20080820AHU

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 31

Analysis of current record
Channel Call City/State Application Ref. No.
18 WISE-TV FORT WAYNE IN BLCDT -20091103ACK

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 32

Analysis of current record
Channel Call City/State Application Ref. No.
18 WHNW-LD GARY IN BSTA -20070309ACD

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 33

Analysis of current record
Channel Call City/State Application Ref. No.
18 WHNW-LD GARY IN BLDTL -20110121ABI

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 34

Analysis of current record
Channel Call City/State Application Ref. No.
18 WDWO-CD DETROIT MI BLDTA -20101007AAV

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

#####

Analysis of Interference to Affected Station 35

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 18 | WDWO-CD | DETROIT MI | BPDTA -20101103ABI |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 36

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 18 | WDWO-CD | DETROIT MI | BPTTL -19960517MS |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 37

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 18 | WLQP-LP | LIMA OH | BLTTL -19990407JA |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 38

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 18 | WLQP-LP | LIMA OH | BDFCDTL -20060331BFI |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 39

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 18 | WDTJ-LP | TOLEDO OH | BDISDTL -20101026AAB |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 40

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|---------------|----------------------|
| 25 | WCWW-LP | SOUTH BEND IN | BLTTL -20021010AAP |

OET-69 Interference Analysis (Proposed WXMI-LD, Battle Creek, MI, Ch. 17) (Summary Results)

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 41

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|------------|----------------------|
| 25 | WOGC-CA | HOLLAND MI | BLTTA -20020812ACT |

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 42

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|---------|-----------------|----------------------|
| 17 | WXMI-LD | BATTLE CREEK MI | USERRECORD-01 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------|----------|--------|----------------------|
| 16 | WEID-LP | SOUTH BEND IN | 77.9 | CP | BDISDTL -20101109ADR |
| 17 | WAND-DR | DECATUR IL | 379.8 | APP | BPRM -20101126ABC |
| 17 | WAND | DECATUR IL | 379.8 | APP | BMPCDT -20110512AAW |
| 17 | WYIN | GARY IN | 191.7 | LIC | BLEDT -20040206AAA |
| 17 | WCMV | CADILLAC MI | 291.9 | LIC | BLEDT -20050914AAI |
| 17 | W52DB | MUSKEGON MI | 147.6 | CP | BDISDTT -20090313AAB |
| 17 | W17AA | CELINA OH | 188.1 | APP | BSTA -20091103ACH |
| 17 | W17AA | CELINA OH | 188.3 | LIC | BLTT -1147 |
| 17 | W17AA | CELINA OH | 188.1 | CP MOD | BMPDPTT -20090723AET |
| 17 | WKYC | CLEVELAND OH | 313.7 | LIC | BLCDT -20090619ADC |
| 18 | WISE-DR | FORT WAYNE IN | 114.8 | APP | BPRM -20080820AHU |
| 18 | WISE-TV | FORT WAYNE IN | 114.8 | LIC | BLCDT -20091103ACK |

Total scenarios = 1

Result key:

4

Scenario 1 Affected station

42

Before Analysis

Results for: 17A MI BATTLE CREEK
HAAT 128.0 m, ATV ERP 15.0 kW

USERRECORD01

APP

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 484746 | 5804.5 |
| not affected by terrain losses | 484746 | 5804.5 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 428 | 10.9 |
| lost to ATV IX only | 428 | 10.9 |
| lost to all IX | 428 | 10.9 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|-----------------|---------|-------------|-----|
| 17A IN GARY | BLEDT | 20040206AAA | LIC |
| 17A MI CADILLAC | BLEDT | 20050914AAI | LIC |
| 17A MI MUSKEGON | BDISDTT | 20090313AAB | CP |

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED