

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 1990  
Data Base Selected  
/space/software/cdb/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-23-2011 Time: 17:38:05

Record Selected for Analysis

W49AY USERRECORD-01 US  
Channel 47 ERP 12.9 kW HAAT 197. m RCMSL 00366 m  
Latitude 033-29-02 Longitude 0086-48-35  
Status APP Zone 2 Border Offset Z  
Dir Antenna Make CDB Model 00000000017789 Beam tilt N Ref Azimuth  
290.  
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 = TX  
Maximum height/power limits not checked

| Site number | 1      |       |                   |  |
|-------------|--------|-------|-------------------|--|
| Azimuth     | ERP    | HAAT  | 74.0 dBu F(50,50) |  |
| (Deg)       | (kW)   | (m)   | (km)              |  |
| 0.0         | 12.900 | 196.8 | 22.3              |  |
| 45.0        | 2.555  | 137.5 | 12.0              |  |
| 90.0        | 0.000  | 168.9 | 1.0               |  |
| 135.0       | 0.000  | 164.7 | 1.0               |  |
| 180.0       | 4.490  | 184.1 | 16.3              |  |
| 225.0       | 12.771 | 184.4 | 21.6              |  |
| 270.0       | 11.642 | 194.6 | 21.7              |  |
| 315.0       | 11.278 | 188.9 | 21.2              |  |

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

No Spacing violations or contour overlap from LPTV station

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Station inside contour of station

W46DK 46 BIRMINGHAM AL BLTT 20030311AIA

Station inside contour of station

W49AY 47 BIRMINGHAM AL BDISTTA 20080804AEH

Station inside contour of station

W49AY 47 BIRMINGHAM AL BSTA 20051101ABI

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station

W46DK 46 BIRMINGHAM AL BLTT20030311AIA

Is inside contour of station

W49AY 47 USERRECORD01

Station

W49AY 47 BIRMINGHAM AL BDISTTA20080804AEH

Is inside contour of station

W49AY 47 USERRECORD01

Station

W49AY 47 BIRMINGHAM AL BSTA20051101ABI

Is inside contour of station

W49AY 47 USERRECORD01

Station

WOIL-LP 47 TALLADEGA AL BLTTL19950531IR causes

Contour overlap to station

W49AY 47 USERRECORD01

Station

W62BG 62 BIRMINGHAM AL BLTT19880226IF

Is inside contour of station

W49AY 47

USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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 beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

| Channel | Proposed Station<br>Call | City/State | ARN          |
|---------|--------------------------|------------|--------------|
| 47      | W49AY                    |            | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan No.    | Call  | City/State    | Dist (km) | Status | Application | Ref. |
|-------------|-------|---------------|-----------|--------|-------------|------|
| 46          | W46DK | BIRMINGHAM AL | 0.3       | LIC    | BLTT        | -    |
| 20030311AIA |       |               |           |        |             |      |

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call  | City/State    | Application | Ref. No.     |
|---------|-------|---------------|-------------|--------------|
| 46      | W46DK | BIRMINGHAM AL | BLTT        | -20030311AIA |

Stations Potentially Affecting This Station

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

|             |         |               |       |        |               |   |
|-------------|---------|---------------|-------|--------|---------------|---|
| 39          | WBIQ    | BIRMINGHAM AL | 0.0   | CP     | BPEDT         | - |
| 20100406AAQ |         |               |       |        |               |   |
| 39          | WBIQ-DR | BIRMINGHAM AL | 0.0   | APP    | BPRM          | - |
| 20091215AFU |         |               |       |        |               |   |
| 45          | WPXH-TV | GADSDEN AL    | 54.9  | LIC    | BLCDT         | - |
| 20020510AAL |         |               |       |        |               |   |
| 46          | W46DF-D | HAMILTON AL   | 122.4 | LIC    | BLDTL         | - |
| 20100104AAG |         |               |       |        |               |   |
| 46          | WHNT-DR | HUNTSVILLE AL | 141.7 | APP    | BPRM          | - |
| 20080619ALW |         |               |       |        |               |   |
| 46          | WMCF-TV | MONTGOMERY AL | 132.9 | CP MOD | BMPCDT        | - |
| 20090323ADG |         |               |       |        |               |   |
| 46          | WMCF-TV | MONTGOMERY AL | 132.9 | LIC    | BLCDT         | - |
| 20060620ABX |         |               |       |        |               |   |
| 46          | W46BU   | TUSCALOOSA AL | 83.9  | LIC    | BLTT          | - |
| 19930202ID  |         |               |       |        |               |   |
| 48          | WAFF-DR | HUNTSVILLE AL | 138.6 | APP    | BPRM          | - |
| 20080620AOO |         |               |       |        |               |   |
| 48          | WAFF    | HUNTSVILLE AL | 138.6 | CP     | BPCDT         | - |
| 20081216BKI |         |               |       |        |               |   |
| 50          | WBRC    | BIRMINGHAM AL | 0.8   | LIC    | BLCDT         | - |
| 20091005ACI |         |               |       |        |               |   |
| 47          | W49AY   |               | 0.3   | APP    | USERRECORD-01 |   |

Total scenarios = 10

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 30937      | 221.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 1

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT   | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT  | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

After Analysis

| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |

|                              |       |       |
|------------------------------|-------|-------|
| lost to additional IX by ATV | 28301 | 219.3 |
| lost to all IX               | 31022 | 232.2 |

Potential Interfering Stations Included in above Scenario 1

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT       | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 2  
 Scenario 2 Affected station 1  
 Before Analysis

Results for: 46N AL BIRMINGHAM BLTT 20030311AIA LIC

|                                |            |              |
|--------------------------------|------------|--------------|
|                                | POPULATION | AREA (sq km) |
| within Noise Limited Contour   | 688984     | 2900.2       |
| not affected by terrain losses | 670068     | 2477.5       |
| lost to NTSC IX                | 85         | 10.9         |
| lost to additional IX by ATV   | 30937      | 221.3        |
| lost to all IX                 | 31022      | 232.2        |

Potential Interfering Stations Included in above Scenario 2

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

After Analysis

Results for: 46N AL BIRMINGHAM BLTT 20030311AIA LIC

|                                |            |              |
|--------------------------------|------------|--------------|
|                                | POPULATION | AREA (sq km) |
| within Noise Limited Contour   | 688984     | 2900.2       |
| not affected by terrain losses | 670068     | 2477.5       |
| lost to NTSC IX                | 2721       | 12.9         |
| lost to additional IX by ATV   | 28301      | 219.3        |
| lost to all IX                 | 31022      | 232.2        |

Potential Interfering Stations Included in above Scenario 2

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT        | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 3  
 Scenario 3 Affected station 1  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 34071      | 237.1        |     |
| lost to all IX                 | 34156      | 248.0        |     |

Potential Interfering Stations Included in above Scenario 3

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT   | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT  | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM   | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM   | 20080619ALW | APP |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |
| lost to additional IX by ATV   | 31435      | 235.1        |     |
| lost to all IX                 | 34156      | 248.0        |     |

Potential Interfering Stations Included in above Scenario 3

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM         | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM         | 20080619ALW | APP |
| 46A AL MONTGOMERY | BMPCDT       | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 4  
 Scenario 4 Affected station 1  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |

|                              |       |       |
|------------------------------|-------|-------|
| lost to NTSC IX              | 85    | 10.9  |
| lost to additional IX by ATV | 34071 | 237.1 |
| lost to all IX               | 34156 | 248.0 |

Potential Interfering Stations Included in above Scenario 4

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM  | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM  | 20080619ALW | APP |
| 46A AL MONTGOMERY | BLCDT | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

#### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |
| lost to additional IX by ATV   | 31435      | 235.1        |     |
| lost to all IX                 | 34156      | 248.0        |     |

Potential Interfering Stations Included in above Scenario 4

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM         | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM         | 20080619ALW | APP |
| 46A AL MONTGOMERY | BLCDT        | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 5  
Scenario 5 Affected station 1  
Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 30937      | 221.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 5

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM  | 20091215AFU | APP |

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

# After Analysis

| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |
| lost to additional IX by ATV   | 28301      | 219.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 5

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM         | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT       | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 6  
 Scenario 6 Affected station 1  
 Before Analysis

| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 30937      | 221.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 6

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM  | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

# After Analysis

| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|--------------------------------|------------|--------------|-----|
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |



|                              |       |       |
|------------------------------|-------|-------|
| lost to additional IX by ATV | 28301 | 219.3 |
| lost to all IX               | 31022 | 232.2 |

Potential Interfering Stations Included in above Scenario 6

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM         | 20091215AFU | APP |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT        | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 7  
Scenario 7 Affected station 1  
Before Analysis

Results for: 46N AL BIRMINGHAM BLTT 20030311AIA LIC

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 688984     | 2900.2       |
| not affected by terrain losses | 670068     | 2477.5       |
| lost to NTSC IX                | 85         | 10.9         |
| lost to additional IX by ATV   | 34071      | 237.1        |
| lost to all IX                 | 34156      | 248.0        |

Potential Interfering Stations Included in above Scenario 7

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT   | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT  | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM   | 20080619ALW | APP |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

After Analysis

Results for: 46N AL BIRMINGHAM BLTT 20030311AIA LIC

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 688984     | 2900.2       |
| not affected by terrain losses | 670068     | 2477.5       |
| lost to NTSC IX                | 2721       | 12.9         |
| lost to additional IX by ATV   | 31435      | 235.1        |
| lost to all IX                 | 34156      | 248.0        |

Potential Interfering Stations Included in above Scenario 7

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT   | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT  | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM   | 20080619ALW | APP |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

47N

USERRECORD01

APP

Percent new IX = 0.0000%

Result key: 8

Scenario 8 Affected station 1

Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 34071      | 237.1        |     |
| lost to all IX                 | 34156      | 248.0        |     |

Potential Interfering Stations Included in above Scenario 8

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDD | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM  | 20080619ALW | APP |
| 46A AL MONTGOMERY | BLCDD | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDD | 20091005ACI | LIC |

After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |
| lost to additional IX by ATV   | 31435      | 235.1        |     |
| lost to all IX                 | 34156      | 248.0        |     |

Potential Interfering Stations Included in above Scenario 8

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDD        | 20020510AAL | LIC |
| 46A AL HUNTSVILLE | BPRM         | 20080619ALW | APP |
| 46A AL MONTGOMERY | BLCDD        | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDD        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 9

Scenario 9 Affected station 1

Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |

|                                |        |        |
|--------------------------------|--------|--------|
| not affected by terrain losses | 670068 | 2477.5 |
| lost to NTSC IX                | 85     | 10.9   |
| lost to additional IX by ATV   | 30937  | 221.3  |
| lost to all IX                 | 31022  | 232.2  |

Potential Interfering Stations Included in above Scenario 9

|                   |        |             |     |
|-------------------|--------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT   | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT  | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT  | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT  | 20091005ACI | LIC |

#### After Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 2721       | 12.9         |     |
| lost to additional IX by ATV   | 28301      | 219.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 9

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BMPCDT       | 20090323ADG | CP  |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX = 0.0000%

Result key: 10  
 Scenario 10 Affected station 1  
 Before Analysis

|                                |            |              |     |
|--------------------------------|------------|--------------|-----|
| Results for: 46N AL BIRMINGHAM | BLTT       | 20030311AIA  | LIC |
|                                | POPULATION | AREA (sq km) |     |
| within Noise Limited Contour   | 688984     | 2900.2       |     |
| not affected by terrain losses | 670068     | 2477.5       |     |
| lost to NTSC IX                | 85         | 10.9         |     |
| lost to additional IX by ATV   | 30937      | 221.3        |     |
| lost to all IX                 | 31022      | 232.2        |     |

Potential Interfering Stations Included in above Scenario 10

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT  | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

# After Analysis

Results for: 46N AL BIRMINGHAM      BLTT      20030311AIA    LIC

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 688984     | 2900.2       |
| not affected by terrain losses | 670068     | 2477.5       |
| lost to NTSC IX                | 2721       | 12.9         |
| lost to additional IX by ATV   | 28301      | 219.3        |
| lost to all IX                 | 31022      | 232.2        |

Potential Interfering Stations Included in above Scenario      10

|                   |              |             |     |
|-------------------|--------------|-------------|-----|
| 46N AL TUSCALOOSA | BLTT         | 19930202ID  | LIC |
| 39A AL BIRMINGHAM | BPEDT        | 20100406AAQ | CP  |
| 45A AL GADSDEN    | BLCDT        | 20020510AAL | LIC |
| 46A AL MONTGOMERY | BLCDT        | 20060620ABX | LIC |
| 50A AL BIRMINGHAM | BLCDT        | 20091005ACI | LIC |
| 47N               | USERRECORD01 |             | APP |

Percent new IX =      0.0000%

Worst case new IX      0.0000% Scenario      1

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## Analysis of Interference to Affected Station      2

### Analysis of current record

| Channel | Call  | City/State | Application Ref. No. |
|---------|-------|------------|----------------------|
| 47      | W49AY |            | USERRECORD-01        |

### Stations Potentially Affecting This Station

| Chan No.    | Call    | City/State    | Dist (km) | Status | Application Ref. |
|-------------|---------|---------------|-----------|--------|------------------|
| 39          | WBIQ    | BIRMINGHAM AL | 0.3       | CP     | BPEDT -          |
| 20100406AAQ |         |               |           |        |                  |
| 39          | WBIQ-DR | BIRMINGHAM AL | 0.3       | APP    | BPRM -           |
| 20091215AFU |         |               |           |        |                  |
| 45          | WPXH-TV | GADSDEN AL    | 55.1      | LIC    | BLCDT -          |
| 20020510AAL |         |               |           |        |                  |
| 46          | W46DK   | BIRMINGHAM AL | 0.3       | LIC    | BLTT -           |
| 20030311AIA |         |               |           |        |                  |
| 46          | WMCF-TV | MONTGOMERY AL | 133.0     | CP MOD | BMPCDT -         |
| 20090323ADG |         |               |           |        |                  |
| 46          | WMCF-TV | MONTGOMERY AL | 133.0     | LIC    | BLCDT -          |
| 20060620ABX |         |               |           |        |                  |
| 47          | WOIL-LP | TALLADEGA AL  | 56.4      | LIC    | BLTTL -          |
| 19950531IR  |         |               |           |        |                  |
| 47          | NEW     | TUSCALOOSA AL | 126.7     | APP    | BNPDTL -         |
| 20101012AAW |         |               |           |        |                  |

|             |         |                      |       |     |       |   |
|-------------|---------|----------------------|-------|-----|-------|---|
| 47          | WPCT    | PANAMA CITY BEACH FL | 379.6 | LIC | BLCDT | - |
| 20030613AAG |         |                      |       |     |       |   |
| 47          | WPCT    | PANAMA CITY BEACH FL | 379.6 | CP  | BPCDT | - |
| 20090609ABW |         |                      |       |     |       |   |
| 47          | WLJT-DT | LEXINGTON TN         | 296.3 | LIC | BLEDT | - |
| 20080219BJY |         |                      |       |     |       |   |
| 50          | WBRC    | BIRMINGHAM AL        | 1.1   | LIC | BLCDT | - |
| 20091005ACI |         |                      |       |     |       |   |
| 62          | W62BG   | BIRMINGHAM AL        | 1.3   | LIC | BLTT  | - |
| 19880226IF  |         |                      |       |     |       |   |

Total scenarios = 3

Result key: 11  
 Scenario 1 Affected station 2  
 Before Analysis

| Results for: 47N               | USERRECORD01 |              | APP |
|--------------------------------|--------------|--------------|-----|
|                                | POPULATION   | AREA (sq km) |     |
| within Noise Limited Contour   | 418576       | 816.5        |     |
| not affected by terrain losses | 405391       | 747.0        |     |
| lost to NTSC IX                | 359681       | 628.0        |     |
| lost to additional IX by ATV   | 86           | 1.0          |     |
| lost to all IX                 | 359767       | 629.0        |     |

Potential Interfering Stations Included in above Scenario 1

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL BIRMINGHAM | BLTT  | 20030311AIA | LIC |
| 47N AL TALLADEGA  | BLTTL | 19950531IR  | LIC |
| 62N AL BIRMINGHAM | BLTT  | 19880226IF  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

Result key: 12  
 Scenario 2 Affected station 2  
 Before Analysis

| Results for: 47N               | USERRECORD01 |              | APP |
|--------------------------------|--------------|--------------|-----|
|                                | POPULATION   | AREA (sq km) |     |
| within Noise Limited Contour   | 418576       | 816.5        |     |
| not affected by terrain losses | 405391       | 747.0        |     |
| lost to NTSC IX                | 359681       | 628.0        |     |
| lost to additional IX by ATV   | 86           | 1.0          |     |
| lost to all IX                 | 359767       | 629.0        |     |

Potential Interfering Stations Included in above Scenario 2

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL BIRMINGHAM | BLTT  | 20030311AIA | LIC |
| 47N AL TALLADEGA  | BLTTL | 19950531IR  | LIC |
| 62N AL BIRMINGHAM | BLTT  | 19880226IF  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 39A AL BIRMINGHAM | BPRM  | 20091215AFU | APP |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

Result key: 13  
Scenario 3 Affected station 2  
Before Analysis

| Results for: 47N               | USERRECORD01 |              | APP |
|--------------------------------|--------------|--------------|-----|
|                                | POPULATION   | AREA (sq km) |     |
| within Noise Limited Contour   | 418576       | 816.5        |     |
| not affected by terrain losses | 405391       | 747.0        |     |
| lost to NTSC IX                | 359681       | 628.0        |     |
| lost to additional IX by ATV   | 86           | 1.0          |     |
| lost to all IX                 | 359767       | 629.0        |     |

Potential Interfering Stations Included in above Scenario 3

|                   |       |             |     |
|-------------------|-------|-------------|-----|
| 46N AL BIRMINGHAM | BLTT  | 20030311AIA | LIC |
| 47N AL TALLADEGA  | BLTTL | 19950531IR  | LIC |
| 62N AL BIRMINGHAM | BLTT  | 19880226IF  | LIC |
| 39A AL BIRMINGHAM | BPEDT | 20100406AAQ | CP  |
| 50A AL BIRMINGHAM | BLCDT | 20091005ACI | LIC |

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