

## Appendix A: FLR Results File for Allotted WPGX-DT

### Analysis of: 15N AL MOBILE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 1040240    | 26054.0      |
| not affected by terrain losses | 1039739    | 25926.1      |
| lost to NTSC IX                | 1092       | 203.9        |
| lost to additional IX by ATV   | 9980       | 435.7        |
| lost to all IX                 | 11072      | 639.6        |

### Analysis of: 21N AL MOBILE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 950359     | 21905.9      |
| not affected by terrain losses | 950129     | 21842.0      |
| lost to NTSC IX                | 68450      | 483.9        |
| lost to additional IX by ATV   | 566        | 60.0         |
| lost to all IX                 | 69016      | 543.8        |

### Analysis of: 26N AL MONTGOMERY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 376986     | 13013.8      |
| not affected by terrain losses | 375294     | 12747.9      |
| lost to NTSC IX                | 2890       | 274.0        |
| lost to additional IX by ATV   | 10907      | 515.7        |
| lost to all IX                 | 13797      | 789.7        |

### Analysis of: 32N AL MONTGOMERY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 540218     | 28773.4      |
| not affected by terrain losses | 537076     | 28346.4      |
| lost to NTSC IX                | 4283       | 526.7        |
| lost to additional IX by ATV   | 11089      | 921.7        |
| lost to all IX                 | 15372      | 1448.4       |

### Analysis of: 29N AL SELMA

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 661306     | 28517.2      |
| not affected by terrain losses | 624232     | 27624.1      |
| lost to NTSC IX                | 49156      | 1331.5       |
| lost to additional IX by ATV   | 9931       | 337.9        |
| lost to all IX                 | 59087      | 1669.4       |

### Analysis of: 22N AL TUSKEGEE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 473635     | 17978.3      |
| not affected by terrain losses | 473132     | 17886.6      |
| lost to NTSC IX                | 8415       | 374.9        |
| lost to additional IX by ATV   | 6882       | 646.1        |
| lost to all IX                 | 15297      | 1021.0       |

### Analysis of: 33N FL PENSACOLA

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 867508     | 18804.5      |
| not affected by terrain losses | 867508     | 18788.5      |
| lost to NTSC IX                | 1357       | 228.0        |
| lost to additional IX by ATV   | 0          | 0.0          |
| lost to all IX                 | 1357       | 228.0        |

Analysis of: 27N FL TALLAHASSEE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 609523     | 29146.6      |
| not affected by terrain losses | 608323     | 29106.6      |
| lost to NTSC IX                | 12921      | 1019.4       |
| lost to additional IX by ATV   | 700        | 111.9        |
| lost to all IX                 | 13621      | 1131.3       |

Analysis of: 31N GA ALBANY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 405837     | 17241.6      |
| not affected by terrain losses | 405837     | 17241.6      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 2016       | 88.5         |
| lost to all IX                 | 2016       | 88.5         |

Analysis of: 30A GA ALBANY

HAAT 302.0 m, ATV ERP 50.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 405837     | 17241.6      |
| not affected by terrain losses | 405837     | 17241.6      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 0          | 0.0          |
| lost to ATV IX only            | 0          | 0.0          |
| lost to all IX                 | 0          | 0.0          |

Analysis of: 29N GA COCHRAN

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 553142     | 21527.2      |
| not affected by terrain losses | 552542     | 21422.4      |
| lost to NTSC IX                | 32760      | 1571.3       |
| lost to additional IX by ATV   | 0          | 0.0          |
| lost to all IX                 | 32760      | 1571.3       |

Analysis of: 28N GA COLUMBUS

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 871281     | 23135.2      |
| not affected by terrain losses | 865475     | 22842.6      |
| lost to NTSC IX                | 32038      | 781.6        |
| lost to additional IX by ATV   | 40412      | 1026.1       |
| lost to all IX                 | 72450      | 1807.7       |

Analysis of: 25N GA DAWSON

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 306101     | 14826.4      |
| not affected by terrain losses | 304290     | 14742.5      |
| lost to NTSC IX                | 266        | 44.0         |
| lost to additional IX by ATV   | 6488       | 127.9        |
| lost to all IX                 | 6754       | 171.8        |

Analysis of: 14N GA PELHAM

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 647471     | 23036.8      |
| not affected by terrain losses | 646623     | 23004.6      |
| lost to NTSC IX                | 8870       | 391.0        |
| lost to additional IX by ATV   | 8          | 8.1          |
| lost to all IX                 | 8878       | 399.1        |

Finished Wed Mar 14 16:16:51; run time 0:07:53

259928 calls to Longley-Rice; path distance increment 1.00 km

## Appendix B: FLR Results File for Proposed WPGX-DT

Analysis of: 15N AL MOBILE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 1040240    | 26054.0      |
| not affected by terrain losses | 1039739    | 25926.1      |
| lost to NTSC IX                | 1092       | 203.9        |
| lost to additional IX by ATV   | 9980       | 435.7        |
| lost to all IX                 | 11072      | 639.6        |

Analysis of: 21N AL MOBILE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 950359     | 21905.9      |
| not affected by terrain losses | 950129     | 21842.0      |
| lost to NTSC IX                | 68450      | 483.9        |
| lost to additional IX by ATV   | 566        | 60.0         |
| lost to all IX                 | 69016      | 543.8        |

Analysis of: 26N AL MONTGOMERY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 376986     | 13013.8      |
| not affected by terrain losses | 375294     | 12747.9      |
| lost to NTSC IX                | 2890       | 274.0        |
| lost to additional IX by ATV   | 10907      | 515.7        |
| lost to all IX                 | 13797      | 789.7        |

Analysis of: 32N AL MONTGOMERY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 540218     | 28773.4      |
| not affected by terrain losses | 537076     | 28346.4      |
| lost to NTSC IX                | 4283       | 526.7        |
| lost to additional IX by ATV   | 11089      | 921.7        |
| lost to all IX                 | 15372      | 1448.4       |

Analysis of: 29N AL SELMA

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 661306     | 28517.2      |
| not affected by terrain losses | 624232     | 27624.1      |
| lost to NTSC IX                | 49156      | 1331.5       |
| lost to additional IX by ATV   | 10035      | 346.0        |
| lost to all IX                 | 59191      | 1677.5       |

Analysis of: 22N AL TUSKEGEE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 473635     | 17978.3      |
| not affected by terrain losses | 473132     | 17886.6      |
| lost to NTSC IX                | 8415       | 374.9        |
| lost to additional IX by ATV   | 6882       | 646.1        |
| lost to all IX                 | 15297      | 1021.0       |

Analysis of: 33N FL PENSACOLA

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 867508     | 18804.5      |
| not affected by terrain losses | 867508     | 18788.5      |
| lost to NTSC IX                | 1357       | 228.0        |
| lost to additional IX by ATV   | 0          | 0.0          |
| lost to all IX                 | 1357       | 228.0        |

Analysis of: 27N FL TALLAHASSEE

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 609523     | 29146.6      |
| not affected by terrain losses | 608323     | 29106.6      |
| lost to NTSC IX                | 12921      | 1019.4       |
| lost to additional IX by ATV   | 700        | 111.9        |
| lost to all IX                 | 13621      | 1131.3       |

Analysis of: 31N GA ALBANY

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 405837     | 17241.6      |
| not affected by terrain losses | 405837     | 17241.6      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 2016       | 88.5         |
| lost to all IX                 | 2016       | 88.5         |

Analysis of: 30A GA ALBANY

HAAT 302.0 m, ATV ERP 50.0 kW

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 405837     | 17241.6      |
| not affected by terrain losses | 405837     | 17241.6      |
| lost to NTSC IX                | 0          | 0.0          |
| lost to additional IX by ATV   | 0          | 0.0          |
| lost to ATV IX only            | 0          | 0.0          |
| lost to all IX                 | 0          | 0.0          |

Analysis of: 29N GA COCHRAN

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 553142     | 21527.2      |
| not affected by terrain losses | 552542     | 21422.4      |
| lost to NTSC IX                | 32760      | 1571.3       |
| lost to additional IX by ATV   | 446        | 24.2         |
| lost to all IX                 | 33206      | 1595.5       |

Analysis of: 28N GA COLUMBUS

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 871281     | 23135.2      |
| not affected by terrain losses | 865475     | 22842.6      |
| lost to NTSC IX                | 32038      | 781.6        |
| lost to additional IX by ATV   | 40412      | 1026.1       |
| lost to all IX                 | 72450      | 1807.7       |

Analysis of: 25N GA DAWSON

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 306101     | 14826.4      |
| not affected by terrain losses | 304290     | 14742.5      |
| lost to NTSC IX                | 266        | 44.0         |
| lost to additional IX by ATV   | 6488       | 127.9        |
| lost to all IX                 | 6754       | 171.8        |

Analysis of: 14N GA PELHAM

|                                | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour   | 647471     | 23036.8      |
| not affected by terrain losses | 646623     | 23004.6      |
| lost to NTSC IX                | 8870       | 391.0        |
| lost to additional IX by ATV   | 8          | 8.1          |
| lost to all IX                 | 8878       | 399.1        |

Finished Wed Mar 21 15:56:35; run time 0:07:52

259928 calls to Longley-Rice; path distance increment 1.00 km