

Dataworld LMA/Duopoly Market Coverage Analysis

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**Job Title: Millennium Radio Group LLC**

## Primary Stations

## Title: Millennium Radio Group LLC

Database: DW

| City of license<br>Licensee                         | St | Call sign | Srv | Auth<br>Owner                           | FCC file number | Freq      | Cls<br>LMA status   | ERP/<br>DkW | HAAT/<br>NkW | Latitude<br>Longitude              |
|---|----|-----------|-----|---|-----------------|-----------|---------------------|-------------|--------------|------------------------------------|
| Asbury Park<br>Millennium Shore License Holdco,     | NJ | WADB      | AM  | Lic                                     | BL-19890713AC   | 1310 kHz  | III/B<br>LMA record | 2.500       | 1.000        | N 40° 13' 47.0"<br>W 74° 05' 27.0" |
| Asbury Park<br>Millennium Shore License Holdco,     | NJ | WJLK      | FM  | Lic                                     | BLH-19881201KB  | 94.3 MHz  | A<br>LMA record     | 1.310       | 152.1        | N 40° 13' 45.0"<br>W 74° 05' 24.0" |
| Atlantic City<br>Millennium Atlantic City II Lice   | NJ | WKXW      | AM  | Lic                                     | BL-19860122AG   | 1450 kHz  | IV/C<br>LMA record  | 1.000       | 1.000        | N 39° 22' 42.0"<br>W 74° 26' 53.0" |
| Atlantic City<br>Millennium Atlantic City II Lice   | NJ | WFPG      | FM  | Lic                                     | BMLH-19860402KF | 96.9 MHz  | B<br>LMA record     | 50.000      | 91.1         | N 39° 22' 42.0"<br>W 74° 26' 53.0" |
| Atlantic City<br>Millennium Atlantic City II Lice   | NJ | WPUR      | FM  | Lic                                     | BLH-19980304KB  | 107.3 MHz | B1<br>LMA record    | 13.500      | 137.0        | N 39° 21' 40.0"<br>W 74° 25' 05.0" |
| Egg Harbor City<br>Nassau Broadcasting Holdings, In | NJ | WOJZ      | FM  | Lic                                     | BLH-19910726KB  | 104.9 MHz | B1<br>LMA record    | 10.000      | 155.0        | N 39° 32' 49.0"<br>W 74° 38' 19.0" |
| Lakewood<br>North Shore Broadcasting Corp.          | NJ | WOBM      | AM  | Lic                                     | BL-19880725AD   | 1160 kHz  | II/B<br>LMA record  | 5.000       | 8.900        | N 40° 08' 09.0"<br>W 74° 13' 48.0" |
| Manahawkin<br>Nassau Broadcasting II, LLC           | NJ | WCHR      | FM  | Lic<br>Nassau Broadcasting Partners, LP | BLH-20020220AAK | 105.7 MHz | B1<br>LMA record    | 13.000      | 140.0        | N 39° 42' 56.0"<br>W 74° 17' 32.0" |
| Millville<br>Millennium Atlantic City II Lice       | NJ | WIXM      | FM  | Lic                                     | BLH-19981104KD  | 97.3 MHz  | B<br>LMA record     | 50.000      | 142.0        | N 39° 19' 15.0"<br>W 74° 46' 17.0" |
| Ocean Acres<br>Millennium Shore License Holdco,     | NJ | WBBO      | FM  | Lic                                     | BLH-20010720ABR | 98.5 MHz  | A<br>LMA record     | 2.950       | 142.0        | N 39° 42' 56.0"<br>W 74° 17' 32.0" |
| Ocean City<br>Ocean Communications                  | NJ | WKOE      | FM  | Lic                                     | BLH-19941227KB  | 106.3 MHz | A<br>LMA record     | 3.000       | 93.9         | N 39° 13' 45.0"<br>W 74° 40' 54.0" |
| Toms River<br>Seashore Broadcasting Corporatio      | NJ | WOBM      | FM  | Lic                                     | BLH-19890123KD  | 92.7 MHz  | A<br>LMA record     | 1.400       | 147.8        | N 39° 52' 30.0"<br>W 74° 09' 52.0" |
| Trenton<br>Millennium Central New Jersey Li         | NJ | WBUD      | AM  | Lic                                     | BL-19921228AA   | 1260 kHz  | III/B<br>LMA record | 5.000       | 2.500        | N 40° 15' 56.0"<br>W 74° 45' 27.0" |
| Trenton<br>Millennium Central New Jersey Li         | NJ | WKXW      | FM  | Lic                                     | BLH-20020211AAZ | 101.5 MHz | B<br>LMA record     | 15.500      | 275.0        | N 40° 16' 58.0"<br>W 74° 41' 11.0" |

&gt;&gt; End of Primary Stations &lt;&lt;

## Distance to City Grade Contour for Proposed LMA Stations

**Title: Millennium Radio Group LLC**

Database: DW

| Bearing<br>(deg) | WADB<br>Dist. (km) | WKXW<br>Dist. (km) | WOBM<br>Dist. (km) | WBUD<br>Dist. (km) | WJLK-FM<br>Dist. (km) |
|------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| .0               | 7.7                | 15.3               | 5.6                | 21.7               | 13.4                  |
| 5.0              | 7.6                | 16.4               | 5.4                | 20.2               | 13.4                  |
| 10.0             | 7.8                | 16.3               | 5.2                | 18.4               | 13.5                  |
| 15.0             | 8.1                | 16.2               | 5.1                | 16.2               | 13.6                  |
| 20.0             | 8.5                | 20.4               | 4.7                | 13.7               | 13.7                  |
| 25.0             | 8.8                | 22.3               | 4.0                | 10.7               | 13.8                  |
| 30.0             | 9.0                | 23.6               | 3.8                | 7.1                | 13.8                  |
| 35.0             | 8.9                | 27.8               | 5.8                | 5.3                | 13.8                  |
| 40.0             | 8.6                | 26.5               | 8.8                | 7.6                | 13.8                  |
| 45.0             | 8.0                | 5.0                | 11.6               | 9.1                | 13.8                  |
| 50.0             | 7.3                | 5.0                | 14.2               | 9.6                | 13.9                  |
| 55.0             | 7.2                | 5.0                | 16.5               | 9.1                | 14.0                  |
| 60.0             | 8.4                | 5.0                | 18.6               | 7.6                | 14.1                  |
| 65.0             | 14.1               | 5.0                | 20.3               | 5.2                | 14.2                  |
| 70.0             | 13.7               | 5.0                | 25.0               | 7.2                | 14.2                  |
| 75.0             | 13.3               | 5.0                | 24.1               | 10.8               | 14.2                  |
| 80.0             | 13.0               | 5.0                | 23.4               | 13.9               | 14.2                  |
| 85.0             | 12.7               | 5.0                | 22.9               | 16.4               | 14.3                  |
| 90.0             | 12.6               | 5.0                | 22.5               | 18.5               | 14.4                  |
| 95.0             | 12.5               | 5.0                | 22.3               | 20.3               | 14.4                  |
| 100.0            | 12.5               | 5.0                | 22.3               | 21.8               | 14.3                  |
| 105.0            | 12.5               | 5.0                | 22.3               | 23.1               | 14.2                  |
| 110.0            | 12.6               | 5.0                | 22.5               | 24.2               | 14.2                  |
| 115.0            | 12.7               | 5.0                | 22.3               | 25.1               | 14.2                  |
| 120.0            | 12.9               | 5.0                | 19.6               | 25.8               | 14.2                  |
| 125.0            | 13.2               | 5.0                | 17.8               | 26.3               | 14.3                  |
| 130.0            | 13.6               | 5.0                | 20.7               | 26.7               | 14.3                  |
| 135.0            | 14.0               | 5.0                | 23.7               | 26.9               | 14.3                  |
| 140.0            | 14.7               | 5.0                | 24.8               | 26.9               | 14.3                  |
| 145.0            | 15.5               | 5.0                | 26.2               | 26.9               | 14.3                  |
| 150.0            | 16.5               | 5.0                | 28.1               | 26.6               | 14.3                  |
| 155.0            | 17.8               | 5.0                | 30.8               | 26.2               | 14.2                  |
| 160.0            | 19.7               | 5.0                | 35.5               | 25.7               | 14.0                  |
| 165.0            | 22.4               | 5.0                | 31.3               | 25.0               | 13.8                  |
| 170.0            | 23.0               | 5.0                | 31.3               | 24.1               | 13.6                  |
| 175.0            | 22.8               | 5.0                | 31.2               | 23.0               | 13.4                  |
| 180.0            | 25.3               | 5.0                | 31.0               | 21.7               | 13.4                  |
| 185.0            | 23.3               | 5.0                | 30.7               | 20.2               | 13.3                  |
| 190.0            | 22.0               | 5.0                | 30.4               | 18.4               | 13.2                  |
| 195.0            | 21.5               | 5.0                | 29.9               | 16.3               | 13.2                  |
| 200.0            | 20.8               | 5.0                | 29.4               | 13.8               | 13.2                  |
| 205.0            | 20.0               | 5.0                | 28.8               | 10.8               | 13.1                  |
| 210.0            | 19.1               | 5.0                | 28.1               | 7.2                | 13.1                  |
| 215.0            | 18.1               | 39.3               | 27.5               | 5.2                | 13.2                  |
| 220.0            | 16.9               | 20.7               | 26.8               | 7.6                | 13.2                  |
| 225.0            | 15.6               | 21.3               | 26.3               | 9.1                | 13.1                  |
| 230.0            | 14.1               | 17.9               | 25.7               | 9.6                | 13.1                  |
| 235.0            | 12.5               | 17.3               | 25.2               | 9.1                | 13.0                  |
| 240.0            | 10.7               | 12.6               | 24.7               | 7.6                | 13.0                  |
| 245.0            | 8.8                | 12.5               | 24.0               | 5.3                | 12.9                  |
| 250.0            | 7.2                | 12.4               | 23.1               | 7.1                | 12.8                  |

## Distance to City Grade Contour for Proposed LMA Stations

**Title: Millennium Radio Group LLC**

Database: DW

| Bearing<br>(deg) | WADB<br>Dist. (km) | WKXW<br>Dist. (km) | WOBM<br>Dist. (km) | WBUD<br>Dist. (km) | WJLK-FM<br>Dist. (km) |
|------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| 255.0            | 6.7                | 12.3               | 22.0               | 10.8               | 13.1                  |
| 260.0            | 7.3                | 12.3               | 20.7               | 13.8               | 13.0                  |
| 265.0            | 8.1                | 12.3               | 19.1               | 16.3               | 13.0                  |
| 270.0            | 8.6                | 12.3               | 17.2               | 18.4               | 12.9                  |
| 275.0            | 8.9                | 12.3               | 15.3               | 20.2               | 12.6                  |
| 280.0            | 8.9                | 12.2               | 13.3               | 21.8               | 12.4                  |
| 285.0            | 8.7                | 12.2               | 11.6               | 23.1               | 12.2                  |
| 290.0            | 8.4                | 12.2               | 10.5               | 24.2               | 12.3                  |
| 295.0            | 8.0                | 12.2               | 9.9                | 25.0               | 12.4                  |
| 300.0            | 7.8                | 12.2               | 9.5                | 25.7               | 12.4                  |
| 305.0            | 7.8                | 12.2               | 9.0                | 26.3               | 12.5                  |
| 310.0            | 8.1                | 12.2               | 8.2                | 26.6               | 12.6                  |
| 315.0            | 8.4                | 12.2               | 7.1                | 26.8               | 12.7                  |
| 320.0            | 8.7                | 12.2               | 5.7                | 26.9               | 12.9                  |
| 325.0            | 9.0                | 12.2               | 4.1                | 26.8               | 13.1                  |
| 330.0            | 9.1                | 12.2               | 3.3                | 26.6               | 13.1                  |
| 335.0            | 9.1                | 12.4               | 3.9                | 26.2               | 13.2                  |
| 340.0            | 9.0                | 12.9               | 4.8                | 25.7               | 13.3                  |
| 345.0            | 8.8                | 13.3               | 5.4                | 25.0               | 13.3                  |
| 350.0            | 8.4                | 13.8               | 5.7                | 24.1               | 13.4                  |
| 355.0            | 8.0                | 14.4               | 5.7                | 23.0               | 13.4                  |

## Distance to City Grade Contour for Proposed LMA Stations

## Title: Millennium Radio Group LLC

Database: DW

| Bearing<br>(deg) | WFPG-FM<br>Dist. (km) | WOJZ<br>Dist. (km) | WIXM<br>Dist. (km) | WKOE<br>Dist. (km) | WOBM-FM<br>Dist. (km) |
|------------------|-----------------------|--------------------|--------------------|--------------------|-----------------------|
| .0               | 26.2                  | 22.9               | 31.2               | 13.2               | 13.3                  |
| 5.0              | 26.4                  | 22.9               | 31.3               | 13.2               | 13.4                  |
| 10.0             | 26.6                  | 22.9               | 31.7               | 13.1               | 13.5                  |
| 15.0             | 26.6                  | 23.0               | 32.1               | 13.2               | 13.6                  |
| 20.0             | 26.6                  | 23.1               | 32.2               | 13.1               | 13.7                  |
| 25.0             | 26.6                  | 23.2               | 32.1               | 13.1               | 13.7                  |
| 30.0             | 26.6                  | 23.2               | 32.1               | 13.1               | 13.7                  |
| 35.0             | 26.7                  | 23.3               | 31.9               | 13.1               | 13.7                  |
| 40.0             | 26.7                  | 23.4               | 31.8               | 13.2               | 13.7                  |
| 45.0             | 26.7                  | 23.5               | 31.7               | 13.3               | 13.7                  |
| 50.0             | 26.6                  | 23.6               | 31.7               | 13.3               | 13.7                  |
| 55.0             | 26.7                  | 23.6               | 31.9               | 13.3               | 13.8                  |
| 60.0             | 26.7                  | 23.6               | 32.0               | 13.3               | 13.7                  |
| 65.0             | 26.7                  | 23.7               | 31.9               | 13.4               | 13.8                  |
| 70.0             | 26.7                  | 23.6               | 32.1               | 13.4               | 13.8                  |
| 75.0             | 26.7                  | 23.5               | 32.3               | 13.4               | 13.7                  |
| 80.0             | 26.7                  | 23.4               | 32.6               | 13.4               | 13.7                  |
| 85.0             | 26.7                  | 23.3               | 32.7               | 13.4               | 13.7                  |
| 90.0             | 26.7                  | 23.2               | 32.7               | 13.4               | 13.7                  |
| 95.0             | 26.7                  | 23.0               | 32.7               | 13.4               | 13.7                  |
| 100.0            | 26.7                  | 22.9               | 32.8               | 13.4               | 13.8                  |
| 105.0            | 26.7                  | 23.0               | 32.8               | 13.4               | 13.8                  |
| 110.0            | 26.7                  | 23.0               | 32.7               | 13.4               | 13.8                  |
| 115.0            | 26.7                  | 22.9               | 32.7               | 13.4               | 13.8                  |
| 120.0            | 26.7                  | 22.9               | 32.6               | 13.4               | 13.8                  |
| 125.0            | 26.7                  | 22.7               | 32.6               | 13.4               | 13.7                  |
| 130.0            | 26.7                  | 22.7               | 32.5               | 13.4               | 13.7                  |
| 135.0            | 26.7                  | 22.6               | 32.5               | 13.4               | 13.7                  |
| 140.0            | 26.7                  | 22.7               | 32.5               | 13.4               | 13.7                  |
| 145.0            | 26.7                  | 22.7               | 32.4               | 13.3               | 13.7                  |
| 150.0            | 26.6                  | 22.6               | 32.4               | 13.3               | 13.7                  |
| 155.0            | 26.6                  | 22.5               | 32.3               | 13.3               | 13.7                  |
| 160.0            | 26.6                  | 22.5               | 32.2               | 13.3               | 13.7                  |
| 165.0            | 26.6                  | 22.5               | 32.2               | 13.3               | 13.7                  |
| 170.0            | 26.6                  | 22.5               | 32.1               | 13.3               | 13.7                  |
| 175.0            | 26.6                  | 22.4               | 32.1               | 13.3               | 13.6                  |
| 180.0            | 26.6                  | 22.5               | 32.1               | 13.3               | 13.7                  |
| 185.0            | 26.6                  | 22.5               | 32.1               | 13.3               | 13.7                  |
| 190.0            | 26.6                  | 22.6               | 32.1               | 13.3               | 13.6                  |
| 195.0            | 26.6                  | 22.7               | 32.1               | 13.3               | 13.6                  |
| 200.0            | 26.6                  | 22.8               | 32.0               | 13.3               | 13.5                  |
| 205.0            | 26.6                  | 22.9               | 32.0               | 13.3               | 13.2                  |
| 210.0            | 26.6                  | 23.0               | 31.8               | 13.3               | 13.1                  |
| 215.0            | 26.6                  | 23.0               | 31.8               | 13.2               | 13.1                  |
| 220.0            | 26.6                  | 23.0               | 31.8               | 12.9               | 13.2                  |
| 225.0            | 26.6                  | 22.9               | 31.8               | 13.0               | 13.2                  |
| 230.0            | 26.7                  | 22.8               | 31.7               | 12.9               | 12.9                  |
| 235.0            | 26.7                  | 22.8               | 31.7               | 12.9               | 12.8                  |
| 240.0            | 26.6                  | 22.8               | 31.6               | 13.0               | 12.8                  |
| 245.0            | 26.5                  | 22.8               | 31.6               | 13.1               | 12.7                  |
| 250.0            | 26.5                  | 22.8               | 31.7               | 13.2               | 12.6                  |

## Distance to City Grade Contour for Proposed LMA Stations

**Title: Millennium Radio Group LLC**

Database: DW

| Bearing<br>(deg) | WFPG-FM<br>Dist. (km) | WOJZ<br>Dist. (km) | WIXM<br>Dist. (km) | WKOE<br>Dist. (km) | WOBM-FM<br>Dist. (km) |
|------------------|-----------------------|--------------------|--------------------|--------------------|-----------------------|
| 255.0            | 26.4                  | 22.7               | 31.7               | 13.2               | 12.6                  |
| 260.0            | 26.0                  | 22.6               | 31.6               | 13.1               | 12.7                  |
| 265.0            | 25.9                  | 22.6               | 31.8               | 13.0               | 12.8                  |
| 270.0            | 25.8                  | 22.6               | 31.9               | 12.9               | 12.9                  |
| 275.0            | 25.6                  | 22.5               | 31.6               | 12.9               | 13.0                  |
| 280.0            | 25.4                  | 22.5               | 31.5               | 12.9               | 13.0                  |
| 285.0            | 25.3                  | 22.3               | 31.4               | 12.8               | 13.0                  |
| 290.0            | 25.2                  | 22.1               | 31.2               | 12.8               | 12.9                  |
| 295.0            | 25.1                  | 22.0               | 31.1               | 12.8               | 12.9                  |
| 300.0            | 25.4                  | 21.9               | 31.1               | 13.0               | 13.0                  |
| 305.0            | 25.4                  | 21.9               | 31.0               | 13.1               | 13.1                  |
| 310.0            | 25.5                  | 21.9               | 30.9               | 13.1               | 13.2                  |
| 315.0            | 25.6                  | 22.2               | 30.8               | 13.1               | 13.2                  |
| 320.0            | 25.4                  | 22.4               | 30.6               | 13.0               | 13.2                  |
| 325.0            | 25.2                  | 22.5               | 30.4               | 13.0               | 13.1                  |
| 330.0            | 25.3                  | 22.7               | 30.3               | 13.0               | 13.1                  |
| 335.0            | 25.5                  | 22.8               | 30.4               | 13.1               | 13.3                  |
| 340.0            | 25.6                  | 23.0               | 30.7               | 13.2               | 13.2                  |
| 345.0            | 25.9                  | 23.1               | 30.9               | 13.2               | 13.0                  |
| 350.0            | 26.1                  | 23.2               | 31.0               | 13.3               | 13.0                  |
| 355.0            | 26.2                  | 23.1               | 31.1               | 13.2               | 13.1                  |

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## Distance to City Grade Contour for Proposed LMA Stations

### Title: Millennium Radio Group LLC

Database: DW

| Bearing<br>(deg) | WCHR-FM<br>Dist. (km) | WPUR<br>Dist. (km) | WBBO<br>Dist. (km) | WKXW-FM<br>Dist. (km) |
|------------------|-----------------------|--------------------|--------------------|-----------------------|
| .0               | 22.0                  | 23.3               | 15.0               | 32.8                  |
| 5.0              | 22.2                  | 23.3               | 15.3               | 32.7                  |
| 10.0             | 22.5                  | 23.3               | 15.5               | 32.7                  |
| 15.0             | 22.8                  | 23.3               | 15.7               | 32.8                  |
| 20.0             | 22.9                  | 23.3               | 15.8               | 33.2                  |
| 25.0             | 23.1                  | 23.3               | 16.0               | 33.5                  |
| 30.0             | 23.2                  | 23.3               | 16.1               | 33.6                  |
| 35.0             | 23.3                  | 23.3               | 16.1               | 33.7                  |
| 40.0             | 23.4                  | 23.2               | 16.3               | 33.6                  |
| 45.0             | 23.6                  | 23.3               | 16.5               | 33.6                  |
| 50.0             | 23.9                  | 23.3               | 16.7               | 33.7                  |
| 55.0             | 24.0                  | 23.3               | 16.9               | 33.7                  |
| 60.0             | 24.1                  | 23.3               | 16.9               | 33.7                  |
| 65.0             | 24.2                  | 23.3               | 17.0               | 33.7                  |
| 70.0             | 24.2                  | 23.4               | 17.0               | 33.7                  |
| 75.0             | 24.3                  | 23.4               | 17.1               | 33.6                  |
| 80.0             | 24.3                  | 23.4               | 17.1               | 33.6                  |
| 85.0             | 24.4                  | 23.4               | 17.1               | 33.6                  |
| 90.0             | 24.4                  | 23.4               | 17.2               | 33.6                  |
| 95.0             | 24.5                  | 23.4               | 17.2               | 33.4                  |
| 100.0            | 24.5                  | 23.4               | 17.2               | 33.6                  |
| 105.0            | 24.5                  | 23.4               | 17.2               | 33.6                  |
| 110.0            | 24.5                  | 23.4               | 17.2               | 33.5                  |
| 115.0            | 24.4                  | 23.3               | 17.2               | 33.6                  |
| 120.0            | 24.4                  | 23.3               | 17.2               | 33.7                  |
| 125.0            | 24.5                  | 23.3               | 17.2               | 33.6                  |
| 130.0            | 24.5                  | 23.3               | 17.2               | 33.5                  |
| 135.0            | 24.5                  | 23.3               | 17.2               | 33.4                  |
| 140.0            | 24.4                  | 23.3               | 17.2               | 33.5                  |
| 145.0            | 24.4                  | 23.3               | 17.2               | 33.5                  |
| 150.0            | 24.4                  | 23.3               | 17.2               | 33.6                  |
| 155.0            | 24.4                  | 23.3               | 17.2               | 33.6                  |
| 160.0            | 24.4                  | 23.3               | 17.2               | 33.6                  |
| 165.0            | 24.3                  | 23.3               | 16.9               | 33.8                  |
| 170.0            | 24.3                  | 23.3               | 15.9               | 33.9                  |
| 175.0            | 24.2                  | 23.3               | 14.9               | 33.9                  |
| 180.0            | 24.1                  | 23.3               | 13.9               | 33.9                  |
| 185.0            | 24.0                  | 23.3               | 13.2               | 34.0                  |
| 190.0            | 24.0                  | 23.3               | 12.4               | 34.4                  |
| 195.0            | 24.0                  | 23.3               | 11.7               | 34.4                  |
| 200.0            | 23.8                  | 23.3               | 11.5               | 34.5                  |
| 205.0            | 23.6                  | 23.2               | 11.3               | 34.5                  |
| 210.0            | 23.5                  | 23.0               | 11.2               | 34.5                  |
| 215.0            | 23.5                  | 21.9               | 11.3               | 34.5                  |
| 220.0            | 23.5                  | 20.7               | 11.3               | 34.4                  |
| 225.0            | 23.4                  | 19.7               | 11.9               | 34.2                  |
| 230.0            | 23.4                  | 18.5               | 12.5               | 34.0                  |
| 235.0            | 23.3                  | 17.6               | 13.2               | 33.7                  |
| 240.0            | 23.3                  | 16.5               | 14.0               | 33.7                  |
| 245.0            | 23.1                  | 16.0               | 14.7               | 33.8                  |
| 250.0            | 22.7                  | 15.5               | 15.2               | 33.7                  |

## Distance to City Grade Contour for Proposed LMA Stations

**Title: Millennium Radio Group LLC**

Database: DW

| Bearing<br>(deg) | WCHR-FM<br>Dist. (km) | WPUR<br>Dist. (km) | WBBO<br>Dist. (km) | WKXW-FM<br>Dist. (km) |
|------------------|-----------------------|--------------------|--------------------|-----------------------|
| 255.0            | 22.4                  | 14.7               | 15.4               | 33.7                  |
| 260.0            | 22.4                  | 14.0               | 15.4               | 33.5                  |
| 265.0            | 22.4                  | 13.7               | 15.4               | 33.2                  |
| 270.0            | 22.4                  | 13.4               | 15.4               | 33.1                  |
| 275.0            | 22.5                  | 13.3               | 15.5               | 33.0                  |
| 280.0            | 22.5                  | 13.1               | 15.5               | 32.8                  |
| 285.0            | 22.4                  | 13.2               | 15.4               | 32.5                  |
| 290.0            | 22.3                  | 13.3               | 15.3               | 32.0                  |
| 295.0            | 22.1                  | 14.0               | 15.1               | 31.9                  |
| 300.0            | 21.9                  | 14.8               | 15.0               | 31.6                  |
| 305.0            | 21.9                  | 15.3               | 15.0               | 31.5                  |
| 310.0            | 21.7                  | 15.8               | 14.8               | 31.7                  |
| 315.0            | 21.4                  | 16.8               | 14.6               | 31.9                  |
| 320.0            | 21.4                  | 17.6               | 14.6               | 31.9                  |
| 325.0            | 21.4                  | 18.7               | 14.6               | 31.6                  |
| 330.0            | 21.3                  | 19.8               | 14.5               | 31.6                  |
| 335.0            | 21.0                  | 21.1               | 14.3               | 31.8                  |
| 340.0            | 21.0                  | 22.3               | 14.3               | 31.6                  |
| 345.0            | 21.2                  | 22.7               | 14.4               | 31.9                  |
| 350.0            | 21.5                  | 23.1               | 14.7               | 32.6                  |
| 355.0            | 21.8                  | 23.2               | 14.9               | 32.7                  |

&gt;&gt; End of Distance to City Grade Contour for Proposed LMA/Duopoly Stations &lt;&lt;

## Stations Processed in LMA/Duopoly Study

**Title: Millennium Radio Group LLC**

Database: DW

| City of license<br>Licensee                       | St | Call sign | Srv | Auth<br>Owner                           | FCC file number | Freq     | Cls<br>LMA status     | ERP/<br>DkW | HAAT/<br>NkW | Latitude<br>Longitude              |
|---|----|-----------|-----|---|-----------------|----------|-----------------------|-------------|--------------|------------------------------------|
| Dover<br>Capstar TX, LP                           | DE | WDOV      | AM  | Lic<br>Clear Channel Communications, In | BL-19900313AE   | 1410 kHz | III/B<br>Con. Overlap | 5.000       | 5.000        | N 39° 12' 03.0"<br>W 75° 33' 55.0" |
| Dover<br>Diamond State Broadcasting, Inc.         | DE | WIBF      | AM  | Lic                                     |                 | 1600 kHz | III/B<br>Con. Overlap | 5.000       | 1.000        | N 39° 10' 11.0"<br>W 75° 33' 13.0" |
| Atlantic City<br>Equity Communications, LP        | NJ | WMID      | AM  | Lic<br>Media/Communications Partners II | BL-19950307AE   | 1340 kHz | IV/C<br>Xmtr in Con.  | 0.890       | 0.890        | N 39° 22' 35.0"<br>W 74° 27' 08.0" |
| Bridgeton<br>Cohanzick Broadcasting Corporati     | NJ | WSNJ      | AM  | Lic                                     | BL-20000817AEV  | 1240 kHz | IV/C<br>Con. Overlap  | 1.000       | 1.000        | N 39° 27' 32.0"<br>W 75° 12' 12.0" |
| Bridgewater<br>Sentinel Publishing Co.            | NJ | WWTR      | AM  | Lic                                     | BL-19970218AI   | 1170 kHz | II/D<br>Xmtr in Con.  | 0.243       |              | N 40° 33' 37.0"<br>W 74° 35' 22.0" |
| Camden<br>WTMR License, LP                        | NJ | WTMR      | AM  | Lic<br>Beasley Broadcast Group          | BL-19880512AD   | 800 kHz  | II/B<br>Con. Overlap  | 5.000       | 0.500        | N 39° 54' 33.0"<br>W 75° 06' 00.0" |
| Eatontown<br>Press Communications, LLC            | NJ | WHTG      | AM  | Lic                                     |                 | 1410 kHz | III/B<br>Xmtr in Con. | 0.500       | 0.126        | N 40° 16' 10.0"<br>W 74° 04' 19.0" |
| Ewing<br>Morris Broadcasting Company of N         | NJ | WIMG      | AM  | Lic                                     | BL-19810702AE   | 1300 kHz | III/B<br>Xmtr in Con. | 3.200       | 1.300        | N 40° 17' 16.0"<br>W 74° 52' 23.0" |
| Flemington<br>Nassau Broadcasting II, LLC         | NJ | WCHR      | AM  | Lic<br>Nassau Broadcasting Partners, LP | BL-19971217KD   | 1040 kHz | II/B<br>Con. Overlap  | 4.700       | 1.000        | N 40° 30' 18.0"<br>W 74° 58' 37.0" |
| Florence<br>Real Life Broadcasting                | NJ | WIFI      | AM  | Lic                                     | BL-19920821AA   | 1460 kHz | III/B<br>Xmtr in Con. | 5.000       | 0.500        | N 40° 04' 53.0"<br>W 74° 47' 41.0" |
| Hammonton<br>South Jersey Radio, Inc.             | NJ | WGYM      | AM  | Lic                                     |                 | 1580 kHz | II/B<br>Xmtr in Con.  | 1.000       | 0.006        | N 39° 37' 32.0"<br>W 74° 47' 44.0" |
| Jersey City<br>Rose City Radio Corporation        | NJ | WSNR      | AM  | Lic                                     | BL-19980427KB   | 620 kHz  | III/B<br>Con. Overlap | 3.000       | 7.600        | N 40° 47' 53.1"<br>W 74° 06' 24.0" |
| Millville<br>Richard Francis Arsenault & Anit     | NJ | WMVB      | AM  | Lic                                     |                 | 1440 kHz | III/B<br>Xmtr in Con. | 1.000       | 0.065        | N 39° 25' 19.0"<br>W 75° 01' 14.0" |
| Mount Holly<br>Radio Disney Group, LLC            | NJ | WWJZ      | AM  | Lic                                     | BL-19921110AA   | 640 kHz  | II/B<br>Xmtr in Con.  | 50.000      | 0.950        | N 39° 59' 49.0"<br>W 74° 43' 11.0" |
| New Brunswick<br>Raritan Valley Broadcasting Comp | NJ | WCTC      | AM  | Lic<br>Greater Media, Inc.              |                 | 1450 kHz | IV/C<br>Xmtr in Con.  | 1.000       | 1.000        | N 40° 29' 32.0"<br>W 74° 25' 11.0" |
| Ocean City<br>Enrico Brancadora                   | NJ | WIBG      | AM  | Lic                                     | BL-19930222AG   | 1020 kHz | II/D<br>Xmtr in Con.  | 0.500       |              | N 39° 13' 45.0"<br>W 74° 40' 53.0" |
| Pleasantville<br>South Jersey Radio, Inc.         | NJ | WOND      | AM  | Lic                                     | BL-19910213AF   | 1400 kHz | IV/C<br>Xmtr in Con.  | 1.000       | 1.000        | N 39° 23' 24.0"<br>W 74° 30' 45.0" |

## Stations Processed in LMA/Duopoly Study

**Title: Millennium Radio Group LLC**

Database: DW

| City of license<br>Licensee                        | St | Call sign | Srv | Auth<br>Owner                           | FCC file number | Freq     | Cls<br>LMA status     | ERP/<br>DkW | HAAT/<br>NkW | Latitude<br>Longitude              |
|--|----|-----------|-----|---|-----------------|----------|-----------------------|-------------|--------------|------------------------------------|
| Pleasantville<br>South Jersey Radio, Inc.          | NJ | WUSS      | AM  | Lic                                     | BL-20000609ABJ  | 1490 kHz | IV/C<br>Xmtr in Con.  | 0.400       | 0.400        | N 39° 23' 24.0"<br>W 74° 30' 45.0" |
| Princeton<br>Multicultural Radio Broadcasting      | NJ | WHWH      | AM  | Lic                                     |                 | 1350 kHz | III/B<br>Xmtr in Con. | 5.000       | 5.000        | N 40° 22' 00.0"<br>W 74° 44' 38.0" |
| Princeton<br>Multicultural Radio Broadcasting      | NJ | WTTM      | AM  | Lic                                     | BL-19940412DE   | 1680 kHz | III/B<br>Xmtr in Con. | 10.000      | 1.000        | N 40° 22' 00.0"<br>W 74° 44' 38.0" |
| Trenton<br>Nassau Broadcasting II, LLC             | NJ | WPHY      | AM  | Lic<br>Nassau Broadcasting Partners, LP | BL-19931213AG   | 920 kHz  | III/B<br>Xmtr in Con. | 1.400       | 1.000        | N 40° 15' 19.0"<br>W 74° 51' 44.0" |
| Vineland<br>Clear Communications, Inc.             | NJ | WMIZ      | AM  | Lic                                     | BL-19940118AB   | 1270 kHz | III/B<br>Con. Overlap | 0.360       | 0.210        | N 39° 29' 53.0"<br>W 75° 04' 31.0" |
| Washington Township<br>Forsythe Broadcasting, Inc. | NJ | WNJC      | AM  | Lic                                     | BL-19990525DC   | 1360 kHz | III/B<br>Con. Overlap | 5.000       | 0.840        | N 39° 47' 23.0"<br>W 75° 06' 11.0" |
| Wildwood<br>Equity Communications, LP              | NJ | WCMC      | AM  | Lic<br>Media/Communications Partners II |                 | 1230 kHz | IV/C<br>Con. Overlap  | 1.000       | 1.000        | N 39° 00' 09.0"<br>W 74° 48' 46.0" |
| New York<br>Salem Media Corporation                | NY | WMCA      | AM  | Lic<br>Salem Communications Corporation |                 | 570 kHz  | III/B<br>Con. Overlap | 5.000       | 5.000        | N 40° 45' 10.0"<br>W 74° 06' 15.0" |
| New York<br>Infinity Broadcasting East, Inc.       | NY | WFAN      | AM  | Lic                                     |                 | 660 kHz  | I-A/A<br>Con. Overlap | 50.000      | 50.000       | N 40° 51' 35.0"<br>W 73° 47' 09.0" |
| New York<br>Buckley Broadcasting Corporation       | NY | WOR       | AM  | Lic                                     |                 | 710 kHz  | I-B/A<br>Con. Overlap | 50.000      | 50.000       | N 40° 47' 30.0"<br>W 74° 05' 38.0" |
| New York<br>WABC-AM Radio, Inc.                    | NY | WABC      | AM  | Lic<br>Walt Disney Company              | BL-20001031ACQ  | 770 kHz  | IA/A<br>Con. Overlap  | 50.000      | 50.000       | N 40° 52' 50.0"<br>W 74° 04' 11.0" |
| New York<br>WNYC Radio                             | NY | WNYC      | AM  | Lic                                     | BML-20030411ACV | 820 kHz  | II/B<br>Con. Overlap  | 10.000      | 1.000        | N 40° 45' 10.0"<br>W 74° 06' 15.0" |
| New York<br>Infinity Broadcasting East, Inc.       | NY | WCBS      | AM  | Lic                                     |                 | 880 kHz  | I-A/A<br>Con. Overlap | 50.000      | 50.000       | N 40° 51' 35.0"<br>W 73° 47' 09.0" |
| New York<br>Infinity Broadcasting East, Inc.       | NY | WINS      | AM  | Lic                                     | BL-19990401DC   | 1010 kHz | II/B<br>Con. Overlap  | 50.000      | 50.000       | N 40° 48' 14.0"<br>W 74° 06' 24.0" |
| New York<br>New York AM Radio, LLC                 | NY | WEPN      | AM  | Lic                                     |                 | 1050 kHz | II/B<br>Con. Overlap  | 50.000      | 50.000       | N 40° 48' 26.0"<br>W 74° 04' 11.0" |
| New York<br>Bloomberg Communications, Inc.         | NY | WBBR      | AM  | Lic                                     |                 | 1130 kHz | I-B/A<br>Con. Overlap | 50.000      | 50.000       | N 40° 48' 39.0"<br>W 74° 02' 24.0" |
| New York<br>WADO-AM License Corporation            | NY | WADO      | AM  | Lic<br>Hispanic Broadcasting Corporatio | BL-20000721AAV  | 1280 kHz | III/B<br>Con. Overlap | 50.000      | 7.200        | N 40° 49' 36.0"<br>W 74° 04' 32.0" |

## Stations Processed in LMA/Duopoly Study

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| City of license<br>Licensee                                  | St | Call sign | Srv | Auth<br>Owner                           | FCC file number  | Freq      | Cls<br>LMA status     | ERP/<br>DkW | HAAT/<br>NkW | Latitude<br>Longitude              |
|--|----|-----------|-----|---|------------------|-----------|-----------------------|-------------|--------------|------------------------------------|
| New York<br>Multicultural Radio Broadcasting                 | NY | WZRC      | AM  | Lic                                     |                  | 1480 kHz  | III/B<br>Con. Overlap | 5.000       | 5.000        | N 40° 50' 42.0"<br>W 74° 01' 12.0" |
| New York<br>Access.1 Communications Corporat                 | NY | WWRL      | AM  | Lic                                     | BL-20011001AMF   | 1600 kHz  | III/B<br>Con. Overlap | 25.000      | 5.000        | N 40° 47' 44.0"<br>W 74° 03' 18.0" |
| Doylestown<br>Holy Spirit Radio Foundation, In               | PA | WISP      | AM  | Lic                                     | BL-19980904AC    | 1570 kHz  | II/B<br>Con. Overlap  | 5.000       | 0.900        | N 40° 19' 34.0"<br>W 75° 09' 40.0" |
| Levittown-Fairless Hills<br>Progressive Broadcasting Co., In | PA | WBCB      | AM  | Lic                                     |                  | 1490 kHz  | IV/C<br>Xmtr in Con.  | 1.000       | 1.000        | N 40° 10' 08.0"<br>W 74° 50' 08.0" |
| Norristown<br>WNAP, Inc.                                     | PA | WNAP      | AM  | Lic<br>George H. Buck, Jr.              | BL-19891117AC    | 1110 kHz  | II/D<br>Con. Overlap  | 4.800       |              | N 40° 08' 05.0"<br>W 75° 18' 48.0" |
| Philadelphia<br>Pennsylvania Media Associates, I             | PA | WFIL      | AM  | Lic<br>Salem Communciations Corporation | BL-19980715AC    | 560 kHz   | III/B<br>Con. Overlap | 5.000       | 5.000        | N 40° 05' 42.0"<br>W 75° 16' 38.0" |
| Philadelphia<br>Infinity Broadcasting Corporatio             | PA | WIP       | AM  | Lic<br>Viacom, Inc.                     | BL-19861110AE    | 610 kHz   | III/B<br>Con. Overlap | 5.000       | 5.000        | N 39° 51' 56.0"<br>W 75° 06' 43.0" |
| Philadelphia<br>WWDB License, LP                             | PA | WWDB      | AM  | Lic<br>Beasley Broadcast Group          |                  | 860 kHz   | II/D<br>Con. Overlap  | 10.000      |              | N 40° 09' 15.0"<br>W 75° 22' 10.0" |
| Philadelphia<br>Greater Philadelphia Radio, Inc.             | PA | WPEN      | AM  | Lic<br>Greater Media, Inc.              | BL-19971023KE    | 950 kHz   | III/B<br>Con. Overlap | 5.000       | 5.000        | N 39° 58' 28.0"<br>W 75° 16' 19.0" |
| Philadelphia<br>Pennsylvania Media Associates, I             | PA | WNTP      | AM  | Lic<br>Salem Communciations Corporation | BL-19980623AB    | 990 kHz   | II/B<br>Con. Overlap  | 50.000      | 10.000       | N 40° 05' 43.0"<br>W 75° 16' 37.0" |
| Philadelphia<br>Infinity Broadcasting East, Inc.             | PA | KYW       | AM  | Lic                                     |                  | 1060 kHz  | I-B/A<br>Con. Overlap | 50.000      | 50.000       | N 40° 06' 12.0"<br>W 75° 14' 56.0" |
| Philadelphia<br>Infinity Broadcasting East, Inc.             | PA | WPHT      | AM  | Lic                                     |                  | 1210 kHz  | I-A/A<br>Con. Overlap | 50.000      | 50.000       | N 39° 58' 45.9"<br>W 74° 59' 13.0" |
| Philadelphia<br>Global Radio, LLC                            | PA | WNWR      | AM  | Lic                                     |                  | 1540 kHz  | II/D<br>Con. Overlap  | 50.000      |              | N 40° 02' 46.0"<br>W 75° 14' 15.0" |
| Ledyard<br>Calvary Christian Fellowship                      | CT | WCSE      | FM  | Lic                                     | BLL-20040115ABI  | 100.1 MHz | L1<br>* Error 5 *     | 0.000       | 0.0          | N 41° 25' 00.0"<br>W 72° 02' 41.0" |
| Arrowhead Village<br>Radio Alerta                            | NJ | WUPC      | FM  | Lic                                     | BLL-20031210AAZ  | 102.3 MHz | L1<br>Xmtr in Con.    | 0.100       | 28.0         | N 40° 04' 58.0"<br>W 74° 06' 22.0" |
| Atlantic City<br>Equity Communications, LP                   | NJ | WAYV      | FM  | Lic<br>Media/Communications Partners II | BMLH-20011108AAC | 95.1 MHz  | B<br>Xmtr in Con.     | 50.000      | 101.0        | N 39° 22' 51.0"<br>W 74° 29' 03.0" |
| Atlantic City<br>South Jersey Radio, Inc.                    | NJ | WMGM      | FM  | Lic                                     | BLH-19971121KA   | 103.7 MHz | B<br>Xmtr in Con.     | 50.000      | 106.0        | N 39° 23' 24.0"<br>W 74° 30' 45.0" |

## Stations Processed in LMA/Duopoly Study

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|---|----|-----------|-----|---|-----------------|-----------|--------------------|-------------|--------------|------------------------------------|
| Avalon<br>Coastal Broadcasting Systems, In        | NJ | WWZK      | FM  | Lic                                     | BMLH-19891211KO | 94.3 MHz  | A<br>Xmtr in Con.  | 3.300       | 91.4         | N 39° 07' 48.0"<br>W 74° 47' 20.0" |
| Bridgeton<br>Cohanzick Broadcasting Corporati     | NJ | WSNJ      | FM  | Lic                                     | BLH-20000827AEA | 107.7 MHz | B<br>Con. Overlap  | 15.200      | 171.0        | N 39° 27' 32.0"<br>W 75° 12' 12.0" |
| Camden<br>Family Stations, Inc.                   | NJ | WKDN      | FM  | Lic                                     | BMLH-19980417KA | 106.9 MHz | B<br>Con. Overlap  | 38.000      | 168.0        | N 39° 54' 33.0"<br>W 75° 06' 00.0" |
| Cape May<br>Equity Communications, LP             | NJ | WAIV      | FM  | Lic<br>Media/Communications Partners II | BLH-19900521KC  | 102.3 MHz | A<br>Con. Overlap  | 3.200       | 89.0         | N 39° 00' 33.0"<br>W 74° 52' 13.0" |
| Cape May Court House<br>Equity Communications, LP | NJ | WGBZ      | FM  | Lic<br>Media/Communications Partners II | BMLH-19900117KE | 105.5 MHz | A<br>Xmtr in Con.  | 3.300       | 90.0         | N 39° 07' 32.0"<br>W 74° 49' 26.0" |
| Eatontown<br>Press Communications, LLC            | NJ | WHTG      | FM  | Lic                                     | BLH-20040209ABA | 106.3 MHz | A<br>Xmtr in Con.  | 1.100       | 161.0        | N 40° 16' 41.0"<br>W 74° 04' 51.0" |
| Long Branch<br>Nassau Broadcasting Holdings, In   | NJ | WWZY      | FM  | Lic                                     | BLH-19980521KB  | 107.1 MHz | A<br>Xmtr in Con.  | 4.700       | 113.0        | N 40° 18' 17.0"<br>W 73° 59' 08.0" |
| Manahawkin<br>Jersey Shore Broadcasting Corpor    | NJ | WJRZ      | FM  | Lic<br>Atlantic Properties              | BLH-19990322KB  | 100.1 MHz | A<br>Xmtr in Con.  | 1.600       | 133.0        | N 39° 47' 54.0"<br>W 74° 12' 10.0" |
| Margate City<br>Equity Communications, LP         | NJ | WTTH      | FM  | Lic<br>Media/Communications Partners II | BLH-19940815KE  | 96.1 MHz  | A<br>Xmtr in Con.  | 2.800       | 121.9        | N 39° 21' 02.0"<br>W 74° 26' 55.0" |
| New Brunswick<br>Raritan Valley Broadcasting Comp | NJ | WMGQ      | FM  | Lic<br>Greater Media, Inc.              | BMLH-19921222KA | 98.3 MHz  | A<br>Xmtr in Con.  | 1.200       | 160.0        | N 40° 28' 33.0"<br>W 74° 29' 34.0" |
| North Cape May<br>WJNN, Inc.                      | NJ | WDOX      | FM  | Lic                                     | BLH-19930602KD  | 106.7 MHz | A<br>Con. Overlap  | 3.000       | 71.0         | N 38° 57' 32.0"<br>W 74° 55' 23.1" |
| Ocean City<br>Calvary Chapel of Ocean City, In    | NJ | WLOM      | FM  | Lic                                     | BLL-20031223AAA | 92.7 MHz  | L1<br>Xmtr in Con. | 0.094       | 31.0         | N 39° 16' 47.0"<br>W 74° 34' 30.0" |
| Ocean City<br>South Jersey Radio, Inc.            | NJ | WTKU      | FM  | Lic                                     | BLH-19981001KB  | 98.3 MHz  | A<br>Xmtr in Con.  | 6.000       | 100.0        | N 39° 12' 18.0"<br>W 74° 39' 33.0" |
| Petersburg<br>Parinello Enterprise, Inc.          | NJ | WJSE      | FM  | Lic                                     | BLH-19910827KF  | 102.7 MHz | A<br>Xmtr in Con.  | 3.300       | 89.9         | N 39° 12' 18.0"<br>W 74° 39' 33.0" |
| Pleasantville<br>Equity Communications, LP        | NJ | WZBZ      | FM  | Lic<br>Media/Communications Partners II | BLH-19950307KA  | 99.3 MHz  | A<br>Xmtr in Con.  | 3.000       | 100.0        | N 39° 22' 35.0"<br>W 74° 27' 08.0" |
| Point Pleasant<br>Sentinel Publishing Co.         | NJ | WRAT      | FM  | Lic                                     | BLH-19990114KD  | 95.9 MHz  | A<br>Xmtr in Con.  | 4.000       | 73.0         | N 40° 10' 15.0"<br>W 74° 01' 42.0" |
| Princeton<br>Princeton Broadcasting Service,      | NJ | WPRB      | FM  | Lic                                     | BLH-19911028KB  | 103.3 MHz | B<br>Xmtr in Con.  | 14.000      | 223.0        | N 40° 17' 00.0"<br>W 74° 41' 20.0" |

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|--|----|-----------|-----|---|-----------------|-----------|-------------------|-------------|--------------|------------------------------------|
| Trenton<br>Nassau Broadcasting II, LLC           | NJ | WTHK      | FM  | Lic<br>Nassau Broadcasting Partners, LP | BLH-19910307KA  | 94.5 MHz  | B<br>Xmtr in Con. | 50.000      | 150.0        | N 40° 11' 22.0"<br>W 74° 50' 47.0" |
| Trenton<br>Nassau Broadcasting II, LLC           | NJ | WPST      | FM  | Lic<br>Nassau Broadcasting Partners, LP | BLH-19860827IA  | 97.5 MHz  | B<br>Xmtr in Con. | 50.000      | 130.8        | N 40° 14' 05.0"<br>W 74° 46' 02.0" |
| Tuckerton<br>Press Communications, LLC           | NJ | WBHX      | FM  | Lic                                     | BLH-19990720KF  | 99.7 MHz  | A<br>Xmtr in Con. | 5.600       | 33.0         | N 39° 33' 41.0"<br>W 74° 14' 27.0" |
| Villas<br>Marc Scott Communications, Inc.        | NJ | WCZT      | FM  | Lic                                     | BLH-19981013KJ  | 98.7 MHz  | A<br>Con. Overlap | 6.000       | 100.0        | N 38° 59' 45.0"<br>W 74° 50' 19.0" |
| Vineland<br>Clear Communications, Inc.           | NJ | WVLT      | FM  | Lic                                     | BLH-20021028AAY | 92.1 MHz  | A<br>Con. Overlap | 6.000       | 100.0        | N 39° 29' 53.0"<br>W 75° 04' 31.0" |
| Wildwood<br>Equity Communications, LP            | NJ | WZXL      | FM  | Lic<br>Media/Communications Partners II | BLH-19870602KA  | 100.7 MHz | B<br>Xmtr in Con. | 38.000      | 100.6        | N 39° 07' 28.0"<br>W 74° 45' 56.0" |
| Wildwood Crest<br>Equity Communications, LP      | NJ | WDTH      | FM  | Lic<br>Media/Communications Partners II | BLH-20020516AAI | 93.1 MHz  | A<br>Con. Overlap | 4.200       | 66.0         | N 39° 00' 33.0"<br>W 74° 52' 13.0" |
| Zarephath<br>Pillar of Fire                      | NJ | WAWZ      | FM  | Lic                                     | BLH-20030702AAO | 99.1 MHz  | B<br>Con. Overlap | 28.000      | 200.0        | N 40° 36' 41.0"<br>W 74° 34' 12.0" |
| Bethlehem<br>Capstar TX, LP                      | PA | WZZO      | FM  | Lic<br>Clear Channel Communications, In | BLH-19890830KD  | 95.1 MHz  | B<br>Con. Overlap | 30.000      | 192.0        | N 40° 37' 13.0"<br>W 75° 17' 37.0" |
| Philadelphia<br>WXTU License, LP                 | PA | WXTU      | FM  | Lic<br>Beasley Broadcast Group          | BLH-19860325KC  | 92.5 MHz  | B<br>Con. Overlap | 15.700      | 274.3        | N 40° 02' 21.0"<br>W 75° 14' 13.0" |
| Philadelphia<br>Greater Boston Radio, Inc.       | PA | WMMR      | FM  | Lic<br>Greater Media, Inc.              | BLH-20030331ABR | 93.3 MHz  | B<br>Con. Overlap | 18.000      | 264.0        | N 39° 57' 09.0"<br>W 75° 10' 05.0" |
| Philadelphia<br>Infinity Broadcasting East, Inc. | PA | WYSP      | FM  | Lic                                     | BLH-7304        | 94.1 MHz  | B<br>Con. Overlap | 16.000      | 274.0        | N 40° 02' 30.0"<br>W 75° 14' 24.0" |
| Philadelphia<br>Greater Philadelphia Radio, Inc. | PA | WMWX      | FM  | Lic<br>Greater Media, Inc.              | BLH-19991122BE  | 95.7 MHz  | B<br>Con. Overlap | 11.000      | 350.0        | N 40° 02' 21.0"<br>W 75° 14' 13.0" |
| Philadelphia<br>WDAS License, LP                 | PA | WRDW      | FM  | Lic<br>Beasley Broadcast Group          | BLH-19871112KA  | 96.5 MHz  | B<br>Con. Overlap | 17.000      | 263.7        | N 40° 02' 21.0"<br>W 75° 14' 13.0" |
| Philadelphia<br>Infinity Broadcasting East, Inc. | PA | WOGL      | FM  | Lic                                     | BLH-20000328AHY | 98.1 MHz  | B<br>Con. Overlap | 12.500      | 305.0        | N 40° 02' 31.0"<br>W 75° 14' 11.0" |
| Philadelphia<br>AMFM Radio Licenses, LLC         | PA | WUSL      | FM  | Lic<br>Clear Channel Communications, In | BLH-19980922KE  | 98.9 MHz  | B<br>Con. Overlap | 27.000      | 204.0        | N 40° 02' 37.0"<br>W 75° 14' 32.0" |
| Philadelphia<br>Weaz-fm Radio, Inc.              | PA | WBEB      | FM  | Lic                                     | BLH-19841109KK  | 101.1 MHz | B<br>Con. Overlap | 14.000      | 287.1        | N 40° 02' 21.0"<br>W 75° 14' 13.0" |

## Stations Processed in LMA/Duopoly Study

**Title: Millennium Radio Group LLC**

Database: DW

| City of license<br>Licensee                      | St | Call sign | Srv | Auth<br>Owner                           | FCC file number  | Freq      | Cls<br>LMA status | ERP/<br>DkW | HAAT/<br>NkW | Latitude<br>Longitude              |
|--|----|-----------|-----|---|------------------|-----------|-------------------|-------------|--------------|------------------------------------|
| Philadelphia<br>AMFM Radio Licenses, LLC         | PA | WIOQ      | FM  | Lic<br>Clear Channel Communications, In | BMLH-19980922KB  | 102.1 MHz | B<br>Con. Overlap | 27.000      | 204.0        | N 40° 02' 37.0"<br>W 75° 14' 32.0" |
| Philadelphia<br>Greater Philadelphia Radio, Inc. | PA | WMGK      | FM  | Lic<br>Greater Media, Inc.              | BMLH-20001030AAV | 102.9 MHz | B<br>Con. Overlap | 8.900       | 350.0        | N 40° 02' 21.0"<br>W 75° 14' 13.0" |
| Philadelphia<br>AMFM Radio Licenses, LLC         | PA | WSNI      | FM  | Lic<br>Clear Channel Communications, In | BLH-19880225KE   | 104.5 MHz | B<br>Con. Overlap | 16.000      | 266.1        | N 40° 02' 30.0"<br>W 75° 14' 24.0" |
| Philadelphia<br>AMFM Radio Licenses, LLC         | PA | WDAS      | FM  | Lic<br>Clear Channel Communications, In | BLH-19930208KK   | 105.3 MHz | B<br>Con. Overlap | 16.300      | 266.0        | N 40° 02' 30.0"<br>W 75° 14' 24.0" |
| Philadelphia<br>AMFM Radio Licenses, LLC         | PA | WJJZ      | FM  | Lic<br>Clear Channel Communications, In | BMLH-19850405KC  | 106.1 MHz | B<br>Con. Overlap | 22.500      | 226.0        | N 40° 04' 58.0"<br>W 75° 10' 54.0" |

&gt;&gt; End of Stations Processed in LMA/Duopoly Study &lt;&lt;

## Transmitter Site-to-Site Distance and Bearing Calculations

## Title: Millennium Radio Group LLC

Database: DW

| Stations<br>Processed | WADB       |           | WKXW       |           | WOBM       |           | WBUD       |           | WJLK-FM    |           |
|-----------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                       | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WDOV                  | 170.2      | 228.3     | 98.1       | 258.8     | 154.5      | 228.1     | 137.0      | 210.5     | 170.3      | 228.3     |
| WIBF                  | 171.9      | 227.2     | 97.9       | 256.7     | 156.1      | 227.0     | 139.6      | 209.5     | 171.9      | 227.2     |
| WMID                  | 99.8       | 198.1     | 4          | 238.8     | 86.5       | 192.7     | 102.2      | 165.1     | 99.7       | 198.2     |
| WSNJ                  | 127.9      | 228.3     | 65.5       | 278.1     | 112.1      | 228.2     | 97.4       | 203.1     | 127.9      | 228.3     |
| WWTR                  | 56.0       | 311.2     | 132.0      | 354.8     | 56.2       | 327.3     | 35.7       | 23.4      | 56.1       | 311.2     |
| WTMR                  | 93.0       | 247.8     | 81.2       | 316.8     | 78.2       | 251.5     | 49.2       | 216.4     | 93.0       | 247.8     |
| WHTG                  | 4.7        | 19.9      | 104.1      | 17.8      | 20.0       | 42.0      | 58.2       | 89.4      | 4.7        | 18.9      |
| WIMG                  | 66.7       | 275.8     | 107.4      | 340.4     | 57.2       | 287.4     | 10.1       | 284.2     | 66.8       | 275.9     |
| WCHR                  | 81.1       | 292.5     | 133.1      | 340.4     | 75.5       | 303.2     | 32.5       | 325.2     | 81.1       | 292.5     |
| WIFI                  | 62.0       | 254.8     | 83.6       | 339.3     | 48.4       | 263.0     | 20.7       | 188.8     | 62.1       | 254.9     |
| WGYM                  | 90.1       | 222.0     | 40.5       | 312.8     | 74.5       | 220.6     | 71.2       | 182.6     | 90.1       | 222.1     |
| WSNR                  | 63.2       | 358.8     | 160.5      | 10.3      | 74.4       | 8.0       | 80.8       | 42.7      | 63.3       | 358.7     |
| WMVB                  | 119.9      | 221.8     | 49.4       | 275.8     | 104.2      | 220.7     | 96.4       | 193.5     | 119.9      | 221.8     |
| WWJZ                  | 59.4       | 244.4     | 72.6       | 341.4     | 44.4       | 249.8     | 30.0       | 173.8     | 59.4       | 244.5     |
| WCTC                  | 40.3       | 316.4     | 123.9      | 1.1       | 42.8       | 338.0     | 38.1       | 48.5      | 40.4       | 316.4     |
| WIBG                  | 122.2      | 204.6     | 26.0       | 230.5     | 107.9      | 201.1     | 115.4      | 176.7     | 122.1      | 204.6     |
| WOND                  | 100.1      | 201.2     | 5.7        | 283.2     | 86.4       | 196.3     | 99.6       | 167.8     | 100.0      | 201.3     |
| WUSS                  | 100.1      | 201.2     | 5.7        | 283.2     | 86.4       | 196.3     | 99.6       | 167.8     | 100.0      | 201.3     |
| WHWH                  | 57.4       | 285.6     | 112.7      | 347.2     | 50.6       | 300.6     | 11.3       | 5.9       | 57.5       | 285.6     |
| WTTM                  | 57.4       | 285.6     | 112.7      | 347.2     | 50.6       | 300.6     | 11.3       | 5.9       | 57.5       | 285.6     |
| WPHY                  | 65.5       | 272.7     | 103.7      | 340.2     | 55.3       | 284.1     | 9.0        | 262.7     | 65.6       | 272.8     |
| WMIZ                  | 116.9      | 226.2     | 55.5       | 284.1     | 101.2      | 225.8     | 89.5       | 197.7     | 116.9      | 226.3     |
| WNJC                  | 99.1       | 240.8     | 72.4       | 309.4     | 83.8       | 242.9     | 60.5       | 209.2     | 99.1       | 240.8     |
| WCMC                  | 149.8      | 204.6     | 52.3       | 217.1     | 135.5      | 201.8     | 140.5      | 181.9     | 149.8      | 204.6     |
| WMCA                  | 58.2       | 358.9     | 155.6      | 10.7      | 69.4       | 8.8       | 77.4       | 45.3      | 58.2       | 358.8     |
| WFAN                  | 74.6       | 20.1      | 174.1      | 18.7      | 88.8       | 24.9      | 105.4      | 50.9      | 74.7       | 20.0      |
| WOR                   | 62.5       | 359.8     | 160.0      | 10.7      | 73.8       | 8.9       | 81.0       | 43.6      | 62.5       | 359.7     |
| WABC                  | 72.4       | 1.4       | 170.1      | 10.8      | 83.9       | 9.2       | 89.7       | 40.1      | 72.4       | 1.3       |
| WNYC                  | 58.2       | 358.9     | 155.6      | 10.7      | 69.4       | 8.8       | 77.4       | 45.3      | 58.2       | 358.8     |
| WCBS                  | 74.6       | 20.1      | 174.1      | 18.7      | 88.8       | 24.9      | 105.4      | 50.9      | 74.7       | 20.0      |
| WINS                  | 63.9       | 358.8     | 161.1      | 10.3      | 75.0       | 8.0       | 81.3       | 42.4      | 63.9       | 358.7     |
| WEPN                  | 64.2       | 1.6       | 162.1      | 11.3      | 75.9       | 10.2      | 83.7       | 43.8      | 64.3       | 1.5       |
| WBBR                  | 64.8       | 3.8       | 163.0      | 12.2      | 76.7       | 12.0      | 85.7       | 44.8      | 64.8       | 3.7       |
| WADO                  | 66.4       | 1.1       | 164.1      | 11.0      | 77.9       | 9.6       | 84.9       | 42.5      | 66.4       | 1.0       |
| WZRC                  | 68.7       | 5.0       | 167.1      | 12.4      | 80.8       | 12.6      | 89.6       | 43.8      | 68.7       | 4.9       |
| WWRL                  | 63.0       | 2.7       | 161.1      | 11.9      | 74.8       | 11.4      | 83.6       | 45.0      | 63.0       | 2.7       |
| WISP                  | 91.4       | 277.1     | 121.7      | 330.2     | 81.8       | 285.3     | 34.9       | 281.3     | 91.5       | 277.1     |
| WBCB                  | 63.6       | 264.1     | 93.9       | 339.5     | 51.6       | 274.3     | 12.6       | 211.7     | 63.7       | 264.2     |
| WNAP                  | 104.4      | 264.6     | 112.0      | 318.9     | 92.1       | 270.3     | 49.4       | 253.1     | 104.4      | 264.6     |
| WFIL                  | 101.9      | 261.9     | 106.6      | 318.6     | 89.2       | 267.4     | 48.0       | 246.9     | 102.0      | 262.0     |
| WIP                   | 95.9       | 245.3     | 78.5       | 313.8     | 80.9       | 248.5     | 53.7       | 214.3     | 95.9       | 245.4     |
| WWDB                  | 108.9      | 266.0     | 116.8      | 317.9     | 96.9       | 271.6     | 53.4       | 256.8     | 109.0      | 266.0     |
| WPEN                  | 104.4      | 254.6     | 96.8       | 313.5     | 90.5       | 258.9     | 54.4       | 233.7     | 104.4      | 254.6     |
| WNTP                  | 101.9      | 261.9     | 106.7      | 318.6     | 89.1       | 267.4     | 48.0       | 246.9     | 101.9      | 262.0     |
| KYW                   | 99.4       | 262.2     | 105.8      | 319.9     | 86.7       | 267.9     | 45.5       | 246.8     | 99.4       | 262.3     |
| WPHT                  | 81.1       | 250.2     | 81.2       | 325.6     | 66.7       | 255.1     | 37.3       | 211.6     | 81.2       | 250.3     |
| WNWR                  | 99.6       | 258.5     | 100.4      | 318.0     | 86.3       | 263.7     | 47.5       | 239.3     | 99.6       | 258.6     |
| WCSE-LP               | 216.9      | 51.9      | 304.5      | 41.1      | 232.6      | 51.6      | 261.6      | 59.8      | 216.9      | 51.8      |
| WUPC-LP               | 16.4       | 184.5     | 83.6       | 20.4      | 12.1       | 119.2     | 58.9       | 110.0     | 16.3       | 184.8     |
| WAYV                  | 100.2      | 199.7     | 3.1        | 275.1     | 86.7       | 194.6     | 101.1      | 166.6     | 100.1      | 199.8     |
| WMGM                  | 100.1      | 201.2     | 5.7        | 283.2     | 86.4       | 196.3     | 99.6       | 167.8     | 100.0      | 201.3     |

## Transmitter Site-to-Site Distance and Bearing Calculations

## Title: Millennium Radio Group LLC

Database: DW

| Stations<br>Processed | WADB       |           | WKXW       |           | WOBM       |           | WBUD       |           | WJLK-FM    |           |
|-----------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                       | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WWZK                  | 136.1      | 206.3     | 40.3       | 226.9     | 121.6      | 203.3     | 126.3      | 181.2     | 136.1      | 206.3     |
| WSNJ-FM               | 127.9      | 228.3     | 65.5       | 278.1     | 112.1      | 228.2     | 97.4       | 203.1     | 127.9      | 228.3     |
| WKDN                  | 93.0       | 247.8     | 81.2       | 316.8     | 78.2       | 251.5     | 49.2       | 216.4     | 93.0       | 247.8     |
| WAIV                  | 151.2      | 206.4     | 54.8       | 221.7     | 136.8      | 203.9     | 140.0      | 184.0     | 151.2      | 206.5     |
| WGBZ                  | 137.9      | 207.3     | 42.9       | 229.1     | 123.3      | 204.5     | 126.9      | 182.6     | 137.8      | 207.3     |
| WHTG-FM               | 5.4        | 9.0       | 104.8      | 17.3      | 20.3       | 38.6      | 57.4       | 88.4      | 5.5        | 8.1       |
| WWZY                  | 12.2       | 46.9      | 110.3      | 20.8      | 28.0       | 47.8      | 65.6       | 85.9      | 12.2       | 46.5      |
| WJRZ-FM               | 48.9       | 191.3     | 51.2       | 24.2      | 37.6       | 176.5     | 70.2       | 137.5     | 48.9       | 191.4     |
| WTTH                  | 102.4      | 197.5     | 3.1        | 180.9     | 89.3       | 192.2     | 105.1      | 165.4     | 102.4      | 197.5     |
| WMGQ                  | 43.7       | 308.9     | 122.1      | 358.2     | 43.9       | 329.6     | 32.4       | 43.7      | 43.8       | 308.9     |
| WDOX                  | 158.3      | 207.0     | 62.1       | 221.4     | 143.7      | 204.6     | 146.0      | 185.6     | 158.2      | 207.1     |
| WLOM-LP               | 113.4      | 201.6     | 15.5       | 224.9     | 99.7       | 197.3     | 110.7      | 171.8     | 113.4      | 201.6     |
| WTKU                  | 123.9      | 203.3     | 26.5       | 223.4     | 109.8      | 199.7     | 118.2      | 175.9     | 123.8      | 203.3     |
| WJSE                  | 123.9      | 203.3     | 26.5       | 223.4     | 109.8      | 199.7     | 118.2      | 175.9     | 123.8      | 203.3     |
| WZBZ                  | 99.8       | 198.1     | .4         | 238.8     | 86.5       | 192.7     | 102.2      | 165.1     | 99.7       | 198.2     |
| WRAT                  | 8.4        | 140.9     | 95.1       | 22.0      | 17.6       | 77.1      | 62.8       | 99.4      | 8.3        | 141.1     |
| WPRB                  | 51.1       | 276.9     | 102.7      | 348.5     | 42.3       | 293.0     | 6.1        | 71.2      | 51.2       | 277.0     |
| WTHK                  | 64.3       | 266.3     | 96.4       | 339.5     | 52.7       | 276.7     | 11.3       | 221.7     | 64.4       | 266.3     |
| WPST                  | 57.4       | 270.8     | 99.0       | 344.1     | 46.9       | 283.7     | 3.5        | 193.5     | 57.5       | 270.8     |
| WBHX                  | 75.4       | 189.8     | 27.0       | 41.1      | 63.9       | 180.8     | 89.8       | 150.5     | 75.3       | 189.9     |
| WCZT                  | 151.4      | 205.3     | 54.2       | 218.5     | 137.1      | 202.6     | 141.3      | 182.8     | 151.4      | 205.3     |
| WVLT                  | 116.9      | 226.2     | 55.5       | 284.1     | 101.2      | 225.8     | 89.5       | 197.7     | 116.9      | 226.3     |
| WZXL                  | 135.8      | 205.4     | 39.3       | 224.2     | 121.4      | 202.4     | 126.9      | 180.3     | 135.7      | 205.4     |
| WDTH                  | 151.2      | 206.4     | 54.8       | 221.7     | 136.8      | 203.9     | 140.0      | 184.0     | 151.2      | 206.5     |
| WAWZ                  | 58.7       | 316.5     | 137.5      | 355.7     | 60.2       | 331.5     | 41.6       | 22.4      | 58.8       | 316.4     |
| WZZO                  | 110.7      | 293.5     | 155.7      | 332.7     | 105.0      | 301.2     | 60.1       | 311.2     | 110.8      | 293.5     |
| WXTU                  | 99.7       | 258.1     | 99.8       | 317.7     | 86.3       | 263.2     | 47.9       | 238.4     | 99.8       | 258.1     |
| WMMR                  | 96.7       | 251.8     | 88.7       | 316.2     | 82.4       | 256.0     | 49.3       | 225.2     | 96.7       | 251.8     |
| WYSP                  | 99.9       | 258.3     | 100.1      | 317.7     | 86.5       | 263.4     | 48.0       | 238.9     | 99.9       | 258.3     |
| WMWX                  | 99.7       | 258.1     | 99.8       | 317.7     | 86.3       | 263.2     | 47.9       | 238.4     | 99.8       | 258.1     |
| WRDW-FM               | 99.7       | 258.1     | 99.8       | 317.7     | 86.3       | 263.2     | 47.9       | 238.4     | 99.8       | 258.1     |
| WOGL                  | 99.6       | 258.3     | 99.9       | 317.8     | 86.2       | 263.4     | 47.7       | 238.7     | 99.6       | 258.3     |
| WUSL                  | 100.0      | 258.4     | 100.4      | 317.7     | 86.7       | 263.5     | 48.0       | 239.2     | 100.1      | 258.5     |
| WBEB                  | 99.7       | 258.1     | 99.8       | 317.7     | 86.3       | 263.2     | 47.9       | 238.4     | 99.8       | 258.1     |
| WIOQ                  | 100.0      | 258.4     | 100.4      | 317.7     | 86.7       | 263.5     | 48.0       | 239.2     | 100.1      | 258.5     |
| WMGK                  | 99.7       | 258.1     | 99.8       | 317.7     | 86.3       | 263.2     | 47.9       | 238.4     | 99.8       | 258.1     |
| WSNI                  | 99.9       | 258.3     | 100.1      | 317.7     | 86.5       | 263.4     | 48.0       | 238.9     | 99.9       | 258.3     |
| WDAS-FM               | 99.9       | 258.3     | 100.1      | 317.7     | 86.5       | 263.4     | 48.0       | 238.9     | 99.9       | 258.3     |
| WJJZ                  | 94.1       | 260.4     | 100.3      | 321.5     | 81.1       | 266.1     | 41.4       | 240.7     | 94.2       | 260.4     |

# Shaw Pittman Potts & Trowbridge

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Friday, June 11, 2004

## Transmitter Site-to-Site Distance and Bearing Calculations

### Title: Millennium Radio Group LLC

Database: DW

| Stations  | WFPG-FM    |           | WOJZ       |           | WIXM       |           | WKOE       |           | WOBM-FM    |           |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| Processed | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WDOV      | 98.1       | 258.8     | 88.5       | 244.5     | 69.6       | 259.2     | 76.2       | 267.9     | 141.6      | 238.5     |
| WIBF      | 97.9       | 256.7     | 89.1       | 242.2     | 69.4       | 256.2     | 75.4       | 265.2     | 142.6      | 237.1     |
| WMID      | .4         | 238.8     | 24.8       | 139.8     | 28.1       | 77.2      | 25.6       | 50.3      | 60.7       | 204.1     |
| WSNJ      | 65.5       | 278.1     | 49.4       | 258.8     | 40.2       | 292.6     | 51.6       | 299.8     | 100.2      | 242.8     |
| WWTR      | 132.0      | 354.8     | 112.7      | 2.1       | 138.7      | 6.4       | 148.2      | 3.0       | 84.3       | 334.8     |
| WTMR      | 81.2       | 316.8     | 56.4       | 315.7     | 71.2       | 336.8     | 83.7       | 334.8     | 79.9       | 273.0     |
| WHTG      | 104.1      | 17.8      | 93.7       | 30.9      | 121.2      | 29.3      | 126.9      | 24.1      | 44.6       | 10.1      |
| WIMG      | 107.4      | 340.4     | 84.8       | 346.4     | 107.9      | 355.4     | 118.8      | 352.1     | 75.8       | 307.5     |
| WCHR      | 133.1      | 340.4     | 110.3      | 345.0     | 132.8      | 352.5     | 144.1      | 350.0     | 98.3       | 315.7     |
| WIFI      | 83.6       | 339.3     | 60.9       | 347.4     | 84.6       | 358.7     | 95.2       | 354.2     | 58.4       | 293.3     |
| WGYM      | 40.5       | 312.8     | 16.0       | 303.1     | 33.9       | 356.5     | 45.1       | 347.5     | 60.7       | 243.0     |
| WSNR      | 160.5      | 10.3      | 146.3      | 17.8      | 173.7      | 18.8      | 181.2      | 15.5      | 102.7      | 2.7       |
| WMVB      | 49.4       | 275.8     | 35.6       | 247.1     | 24.2       | 297.8     | 36.2       | 306.4     | 88.9       | 235.8     |
| WWJZ      | 72.6       | 341.4     | 50.5       | 352.1     | 75.3       | 3.4       | 85.4       | 357.8     | 49.2       | 286.2     |
| WCTC      | 123.9      | 1.1       | 106.7      | 10.0      | 133.6      | 12.9      | 142.2      | 9.0       | 72.0       | 342.5     |
| WIBG      | 26.0       | 230.5     | 35.5       | 186.0     | 12.8       | 142.7     | .0         | 90.0      | 84.4       | 211.8     |
| WOND      | 5.7        | 283.2     | 20.5       | 148.1     | 23.5       | 70.9      | 23.1       | 39.1      | 61.6       | 209.0     |
| WUSS      | 5.7        | 283.2     | 20.5       | 148.1     | 23.5       | 70.9      | 23.1       | 39.1      | 61.6       | 209.0     |
| WHWH      | 112.7      | 347.2     | 91.6       | 354.4     | 116.3      | 1.1       | 126.6      | 357.6     | 73.6       | 318.2     |
| WTTM      | 112.7      | 347.2     | 91.6       | 354.4     | 116.3      | 1.1       | 126.6      | 357.6     | 73.6       | 318.2     |
| WPHY      | 103.7      | 340.2     | 81.0       | 346.5     | 104.2      | 355.8     | 115.1      | 352.4     | 72.9       | 305.7     |
| WMIZ      | 55.5       | 284.1     | 37.8       | 261.9     | 32.7       | 307.1     | 45.1       | 311.6     | 88.5       | 242.0     |
| WNJC      | 72.4       | 309.4     | 48.0       | 304.3     | 59.4       | 331.5     | 72.0       | 330.0     | 80.7       | 263.6     |
| WCMC      | 52.3       | 217.1     | 62.4       | 194.0     | 35.6       | 185.8     | 27.6       | 204.2     | 111.8      | 210.1     |
| WMCA      | 155.6      | 10.7      | 141.5      | 18.5      | 169.0      | 19.4      | 176.4      | 16.0      | 97.7       | 3.0       |
| WFAN      | 174.1      | 18.7      | 162.9      | 26.1      | 190.5      | 25.8      | 196.7      | 22.5      | 114.1      | 16.2      |
| WOR       | 160.0      | 10.7      | 145.9      | 18.3      | 173.4      | 19.2      | 180.8      | 15.9      | 102.1      | 3.3       |
| WABC      | 170.1      | 10.8      | 155.9      | 17.9      | 183.4      | 18.8      | 190.8      | 15.6      | 112.1      | 4.1       |
| WNYC      | 155.6      | 10.7      | 141.5      | 18.5      | 169.0      | 19.4      | 176.4      | 16.0      | 97.7       | 3.0       |
| WCBS      | 174.1      | 18.7      | 162.9      | 26.1      | 190.5      | 25.8      | 196.7      | 22.5      | 114.1      | 16.2      |
| WINS      | 161.1      | 10.3      | 146.9      | 17.7      | 174.3      | 18.7      | 181.8      | 15.4      | 103.4      | 2.7       |
| WEPN      | 162.1      | 11.3      | 148.2      | 18.8      | 175.7      | 19.6      | 183.0      | 16.3      | 104.0      | 4.4       |
| WBBR      | 163.0      | 12.2      | 149.4      | 19.7      | 177.0      | 20.4      | 184.1      | 17.1      | 104.6      | 5.7       |
| WADO      | 164.1      | 11.0      | 150.1      | 18.4      | 177.6      | 19.3      | 185.0      | 16.0      | 106.1      | 4.0       |
| WZRC      | 167.1      | 12.4      | 153.6      | 19.8      | 181.1      | 20.4      | 188.3      | 17.2      | 108.5      | 6.4       |
| WWRL      | 161.1      | 11.9      | 147.4      | 19.5      | 174.9      | 20.2      | 182.1      | 16.8      | 102.8      | 5.1       |
| WISP      | 121.7      | 330.2     | 97.4       | 333.0     | 116.6      | 343.5     | 128.7      | 341.6     | 98.5       | 300.9     |
| WBCB      | 93.9       | 339.5     | 71.2       | 346.4     | 94.4       | 356.7     | 105.3      | 352.9     | 65.8       | 300.0     |
| WNAP      | 112.0      | 318.9     | 87.1       | 318.8     | 101.7      | 333.1     | 114.3      | 332.0     | 102.0      | 286.8     |
| WFIL      | 106.6      | 318.6     | 81.8       | 318.4     | 96.3       | 333.5     | 108.9      | 332.3     | 97.9       | 284.8     |
| WIP       | 78.5       | 313.8     | 53.8       | 311.3     | 67.2       | 334.4     | 79.8       | 332.6     | 80.9       | 269.6     |
| WWDB      | 116.8      | 317.9     | 91.9       | 317.5     | 105.8      | 331.3     | 118.5      | 330.4     | 107.2      | 287.2     |
| WPEN      | 96.8       | 313.5     | 72.0       | 311.5     | 84.4       | 329.6     | 97.1       | 328.8     | 95.1       | 277.0     |
| WNTF      | 106.7      | 318.6     | 81.8       | 318.4     | 96.4       | 333.5     | 108.9      | 332.3     | 97.9       | 284.8     |
| KYW       | 105.8      | 319.9     | 80.9       | 320.1     | 96.1       | 335.0     | 108.6      | 333.6     | 95.8       | 285.7     |
| WPHT      | 81.2       | 325.6     | 56.6       | 328.3     | 75.5       | 345.9     | 87.4       | 342.7     | 71.1       | 279.7     |
| WNWR      | 100.4      | 318.0     | 75.5       | 317.5     | 90.0       | 333.8     | 102.5      | 332.5     | 93.4       | 282.1     |
| WCSE-LP   | 304.5      | 41.1      | 302.2      | 45.7      | 328.1      | 43.9      | 330.3      | 41.7      | 247.7      | 45.5      |
| WUPC-LP   | 83.6       | 20.4      | 74.9       | 37.2      | 102.1      | 33.7      | 106.9      | 27.3      | 23.6       | 12.1      |
| WAYV      | 3.1        | 275.1     | 22.7       | 144.3     | 25.6       | 74.8      | 23.9       | 45.2      | 61.4       | 206.6     |
| WMGM      | 5.7        | 283.2     | 20.5       | 148.1     | 23.5       | 70.9      | 23.1       | 39.1      | 61.6       | 209.0     |

## Transmitter Site-to-Site Distance and Bearing Calculations

## Title: Millennium Radio Group LLC

Database: DW

| Stations<br>Processed | WFPG-FM    |           | WOJZ       |           | WIXM       |           | WKOE       |           | WOBM-FM    |           |
|-----------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                       | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WWZK                  | 40.3       | 226.9     | 48.1       | 195.6     | 21.3       | 184.1     | 14.4       | 220.0     | 98.6       | 213.1     |
| WSNJ-FM               | 65.5       | 278.1     | 49.4       | 258.8     | 40.2       | 292.6     | 51.6       | 299.8     | 100.2      | 242.8     |
| WKDN                  | 81.2       | 316.8     | 56.4       | 315.7     | 71.2       | 336.8     | 83.7       | 334.8     | 79.9       | 273.0     |
| WAIV                  | 54.8       | 221.7     | 63.0       | 198.5     | 35.7       | 193.9     | 29.4       | 213.7     | 113.8      | 212.4     |
| WGBZ                  | 42.9       | 229.1     | 49.5       | 198.8     | 22.2       | 191.8     | 16.8       | 226.8     | 100.7      | 214.4     |
| WHTG-FM               | 104.8      | 17.3      | 94.2       | 30.2      | 121.7      | 28.8      | 127.4      | 23.6      | 45.4       | 9.0       |
| WWZY                  | 110.3      | 20.8      | 101.0      | 33.3      | 128.3      | 31.3      | 133.6      | 26.2      | 50.1       | 17.6      |
| WJRZ-FM               | 51.2       | 24.2      | 46.6       | 53.0      | 72.1       | 42.4      | 75.4       | 32.8      | 9.1        | 201.0     |
| WTTH                  | 3.1        | 180.9     | 27.3       | 143.2     | 28.0       | 83.1      | 24.2       | 56.0      | 63.2       | 202.7     |
| WMGQ                  | 122.1      | 358.2     | 104.0      | 6.8       | 130.6      | 10.4      | 139.5      | 6.6       | 72.4       | 337.4     |
| WDOX                  | 62.1       | 221.4     | 69.8       | 200.6     | 42.3       | 198.1     | 36.6       | 214.8     | 120.9      | 212.9     |
| WLOM-LP               | 15.5       | 224.9     | 30.2       | 169.6     | 17.5       | 105.1     | 10.8       | 58.5      | 75.0       | 208.1     |
| WTKU                  | 26.5       | 223.4     | 38.1       | 182.7     | 16.1       | 143.1     | 3.3        | 144.2     | 85.7       | 209.8     |
| WJSE                  | 26.5       | 223.4     | 38.1       | 182.7     | 16.1       | 143.1     | 3.3        | 144.2     | 85.7       | 209.8     |
| WZBZ                  | .4         | 238.8     | 24.8       | 139.8     | 28.1       | 77.2      | 25.6       | 50.3      | 60.7       | 204.1     |
| WRAT                  | 95.1       | 22.0      | 86.7       | 36.7      | 113.9      | 33.7      | 118.7      | 27.9      | 34.9       | 19.4      |
| WPRB                  | 102.7      | 348.5     | 82.0       | 357.0     | 107.2      | 3.7       | 117.2      | 359.7     | 63.7       | 315.7     |
| WTHK                  | 96.4       | 339.5     | 73.6       | 346.1     | 96.8       | 356.2     | 107.7      | 352.5     | 67.8       | 301.3     |
| WPST                  | 99.0       | 344.1     | 77.3       | 351.9     | 101.6      | .2        | 112.0      | 356.3     | 65.0       | 308.1     |
| WBHX                  | 27.0       | 41.1      | 34.1       | 87.2      | 52.8       | 59.4      | 52.9       | 45.6      | 35.5       | 190.6     |
| WCZT                  | 54.2       | 218.5     | 63.6       | 195.8     | 36.6       | 189.1     | 29.3       | 207.6     | 113.6      | 210.9     |
| WVLT                  | 55.5       | 284.1     | 37.8       | 261.9     | 32.7       | 307.1     | 45.1       | 311.6     | 88.5       | 242.0     |
| WZXL                  | 39.3       | 224.2     | 48.2       | 193.1     | 21.8       | 178.7     | 13.7       | 211.9     | 98.1       | 211.9     |
| WDTH                  | 54.8       | 221.7     | 63.0       | 198.5     | 35.7       | 193.9     | 29.4       | 213.7     | 113.8      | 212.4     |
| WAWZ                  | 137.5      | 355.7     | 118.5      | 2.8       | 144.5      | 6.8       | 154.0      | 3.5       | 88.8       | 337.3     |
| WZZO                  | 155.7      | 332.7     | 131.7      | 335.2     | 151.2      | 343.0     | 163.2      | 341.6     | 126.7      | 311.2     |
| WXTU                  | 99.8       | 317.7     | 74.9       | 317.1     | 89.2       | 333.6     | 101.8      | 332.3     | 93.2       | 281.6     |
| WMMR                  | 88.7       | 316.2     | 63.9       | 315.1     | 78.0       | 334.3     | 90.6       | 332.8     | 86.0       | 276.1     |
| WYSP                  | 100.1      | 317.7     | 75.3       | 317.1     | 89.6       | 333.6     | 102.2      | 332.3     | 93.5       | 281.8     |
| WMWX                  | 99.8       | 317.7     | 74.9       | 317.1     | 89.2       | 333.6     | 101.8      | 332.3     | 93.2       | 281.6     |
| WRDW-FM               | 99.8       | 317.7     | 74.9       | 317.1     | 89.2       | 333.6     | 101.8      | 332.3     | 93.2       | 281.6     |
| WOGL                  | 99.9       | 317.8     | 75.1       | 317.3     | 89.5       | 333.8     | 102.1      | 332.5     | 93.2       | 281.8     |
| WUSL                  | 100.4      | 317.7     | 75.5       | 317.2     | 89.9       | 333.5     | 102.5      | 332.3     | 93.7       | 281.9     |
| WBEB                  | 99.8       | 317.7     | 74.9       | 317.1     | 89.2       | 333.6     | 101.8      | 332.3     | 93.2       | 281.6     |
| WIOQ                  | 100.4      | 317.7     | 75.6       | 317.2     | 89.9       | 333.5     | 102.5      | 332.3     | 93.7       | 281.9     |
| WMGK                  | 99.8       | 317.7     | 74.9       | 317.1     | 89.2       | 333.6     | 101.8      | 332.3     | 93.2       | 281.6     |
| WSNI                  | 100.1      | 317.7     | 75.3       | 317.1     | 89.6       | 333.6     | 102.2      | 332.3     | 93.5       | 281.8     |
| WDAS-FM               | 100.1      | 317.7     | 75.3       | 317.1     | 89.6       | 333.6     | 102.2      | 332.3     | 93.5       | 281.8     |
| WJJZ                  | 100.3      | 321.5     | 75.5       | 322.3     | 91.7       | 337.6     | 104.1      | 335.9     | 89.7       | 285.3     |

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## Transmitter Site-to-Site Distance and Bearing Calculations

### Title: Millennium Radio Group LLC

Database: DW

| Stations<br>Processed | WCHR-FM    |           | WPUR       |           | WBBO       |           | WKXW-FM    |           |
|-----------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                       | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WDOV                  | 123.4      | 242.8     | 100.3      | 260.1     | 123.4      | 242.8     | 141.8      | 212.3     |
| WIBF                  | 124.1      | 241.1     | 100.0      | 258.1     | 124.1      | 241.1     | 144.3      | 211.2     |
| WMID                  | 40.1       | 200.0     | 3.4        | 300.1     | 40.1       | 200.0     | 102.7      | 168.7     |
| WSNJ                  | 83.1       | 250.2     | 68.3       | 279.4     | 83.1       | 250.2     | 101.7      | 205.9     |
| WWTR                  | 97.3       | 345.0     | 134.1      | 353.8     | 97.3       | 345.0     | 31.9       | 14.9      |
| WTMR                  | 72.3       | 287.6     | 84.4       | 316.4     | 72.3       | 287.6     | 54.4       | 220.4     |
| WHTG                  | 64.4       | 16.9      | 105.2      | 16.2      | 64.4       | 16.9      | 52.1       | 91.4      |
| WIMG                  | 80.6       | 322.3     | 110.1      | 339.5     | 80.6       | 322.3     | 15.8       | 272.1     |
| WCHR                  | 105.3      | 326.7     | 135.8      | 339.6     | 105.3      | 326.7     | 34.9       | 315.2     |
| WIFI                  | 59.1       | 313.7     | 86.3       | 338.2     | 59.1       | 313.7     | 24.2       | 202.4     |
| WGYM                  | 44.2       | 257.1     | 43.7       | 312.4     | 44.2       | 257.1     | 73.7       | 187.3     |
| WSNR                  | 121.4      | 7.4       | 161.9      | 9.3       | 121.4      | 7.4       | 75.4       | 40.3      |
| WMVB                  | 70.4       | 242.6     | 52.2       | 277.6     | 70.4       | 242.6     | 99.9       | 196.7     |
| WWJZ                  | 48.1       | 310.7     | 75.3       | 340.0     | 48.1       | 310.7     | 31.9       | 185.1     |
| WCTC                  | 87.0       | 352.9     | 125.8      | 359.9     | 87.0       | 352.9     | 32.4       | 44.0      |
| WIBG                  | 63.6       | 211.8     | 27.0       | 237.2     | 63.6       | 211.8     | 117.1      | 179.8     |
| WOND                  | 40.8       | 207.6     | 8.7        | 291.6     | 40.8       | 207.6     | 100.4      | 171.4     |
| WUSS                  | 40.8       | 207.6     | 8.7        | 291.6     | 40.8       | 207.6     | 100.4      | 171.4     |
| WHWH                  | 82.0       | 332.2     | 115.2      | 346.1     | 82.0       | 332.2     | 10.5       | 332.4     |
| WTTM                  | 82.0       | 332.2     | 115.2      | 346.1     | 82.0       | 332.2     | 10.5       | 332.4     |
| WPHY                  | 77.2       | 321.2     | 106.4      | 339.3     | 77.2       | 321.2     | 15.2       | 258.5     |
| WMIZ                  | 71.3       | 250.4     | 58.5       | 285.3     | 71.3       | 250.4     | 93.3       | 200.9     |
| WNJC                  | 69.8       | 277.0     | 75.6       | 309.3     | 69.8       | 277.0     | 65.3       | 213.0     |
| WCMC                  | 91.0       | 209.6     | 52.4       | 220.6     | 91.0       | 209.6     | 142.8      | 184.4     |
| WMCA                  | 116.4      | 7.8       | 157.0      | 9.7       | 116.4      | 7.8       | 71.8       | 43.1      |
| WFAN                  | 134.3      | 18.5      | 175.1      | 17.7      | 134.3      | 18.5      | 99.5       | 49.6      |
| WOR                   | 120.8      | 7.9       | 161.4      | 9.7       | 120.8      | 7.9       | 75.5       | 41.3      |
| WABC                  | 130.9      | 8.2       | 171.5      | 9.8       | 130.9      | 8.2       | 84.4       | 37.9      |
| WNYC                  | 116.4      | 7.8       | 157.0      | 9.7       | 116.4      | 7.8       | 71.8       | 43.1      |
| WCBS                  | 134.3      | 18.5      | 175.1      | 17.7      | 134.3      | 18.5      | 99.5       | 49.6      |
| WINS                  | 122.0      | 7.4       | 162.6      | 9.3       | 122.0      | 7.4       | 75.9       | 40.0      |
| WEPN                  | 122.8      | 8.8       | 163.5      | 10.3      | 122.8      | 8.8       | 78.2       | 41.6      |
| WBBR                  | 123.6      | 9.9       | 164.4      | 11.2      | 123.6      | 9.9       | 80.2       | 42.7      |
| WADO                  | 124.9      | 8.4       | 165.5      | 10.0      | 124.9      | 8.4       | 79.5       | 40.3      |
| WZRC                  | 127.7      | 10.3      | 168.4      | 11.5      | 127.7      | 10.3      | 84.1       | 41.8      |
| WWRL                  | 121.7      | 9.4       | 162.4      | 10.8      | 121.7      | 9.4       | 78.1       | 42.9      |
| WISP                  | 100.4      | 312.8     | 124.6      | 329.6     | 100.4      | 312.8     | 40.5       | 277.0     |
| WBCB                  | 68.5       | 317.6     | 96.6       | 338.5     | 68.5       | 317.6     | 17.9       | 225.1     |
| WNAP                  | 98.7       | 298.5     | 115.1      | 318.6     | 98.7       | 298.5     | 55.7       | 253.0     |
| WFIL                  | 94.0       | 297.0     | 109.8      | 318.3     | 94.0       | 297.0     | 54.4       | 247.6     |
| WIP                   | 72.0       | 283.7     | 81.7       | 313.6     | 72.0       | 283.7     | 58.8       | 218.1     |
| WWDB                  | 104.0      | 298.3     | 119.9      | 317.6     | 104.0      | 298.3     | 59.7       | 256.4     |
| WPEN                  | 88.4       | 289.3     | 100.0      | 313.3     | 88.4       | 289.3     | 60.4       | 235.6     |
| WNTP                  | 94.0       | 297.0     | 109.8      | 318.3     | 94.0       | 297.0     | 54.3       | 247.6     |
| KYW                   | 92.3       | 298.2     | 108.9      | 319.5     | 92.3       | 298.2     | 51.8       | 247.5     |
| WPHT                  | 66.2       | 296.5     | 84.2       | 324.9     | 66.2       | 296.5     | 42.3       | 217.2     |
| WNWR                  | 88.6       | 294.8     | 103.5      | 317.6     | 88.6       | 294.8     | 53.7       | 240.8     |
| WCSE-LP               | 267.9      | 44.4      | 304.3      | 40.6      | 267.9      | 44.4      | 255.4      | 59.6      |
| WUPC-LP               | 43.8       | 21.2      | 84.6       | 18.3      | 43.8       | 21.2      | 54.1       | 114.1     |
| WAYV                  | 40.7       | 203.9     | 6.1        | 291.1     | 40.7       | 203.9     | 101.8      | 170.2     |
| WMGM                  | 40.8       | 207.6     | 8.7        | 291.6     | 40.8       | 207.6     | 100.4      | 171.4     |

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Friday, June 11, 2004

## Transmitter Site-to-Site Distance and Bearing Calculations

### Title: Millennium Radio Group LLC

Database: DW

| Stations<br>Processed | WCHR-FM    |           | WPUR       |           | WBBO       |           | WKXW-FM    |           |
|-----------------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
|                       | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) | Dist. (km) | Br. (deg) |
| WWZK                  | 77.8       | 213.4     | 41.0       | 231.3     | 77.8       | 213.4     | 128.5      | 183.9     |
| WSNJ-FM               | 83.1       | 250.2     | 68.3       | 279.4     | 83.1       | 250.2     | 101.7      | 205.9     |
| WKDN                  | 72.3       | 287.6     | 84.4       | 316.4     | 72.3       | 287.6     | 54.4       | 220.4     |
| WAIV                  | 92.9       | 212.5     | 55.2       | 225.0     | 92.9       | 212.5     | 142.5      | 186.4     |
| WGBZ                  | 79.9       | 215.0     | 43.7       | 233.3     | 79.9       | 215.0     | 129.2      | 185.3     |
| WHTG-FM               | 65.1       | 16.0      | 105.9      | 15.7      | 65.1       | 16.0      | 51.4       | 90.4      |
| WWZY                  | 70.5       | 21.6      | 111.2      | 19.3      | 70.5       | 21.6      | 59.5       | 87.4      |
| WJRZ-FM               | 12.0       | 39.7      | 52.0       | 20.7      | 12.0       | 39.7      | 67.8       | 142.5     |
| WTTH                  | 42.7       | 198.3     | 2.9        | 245.9     | 42.7       | 198.3     | 105.6      | 168.8     |
| WMGQ                  | 86.2       | 348.7     | 124.1      | 357.1     | 86.2       | 348.7     | 27.0       | 37.3      |
| WDOX                  | 100.1      | 213.0     | 62.4       | 224.4     | 100.1      | 213.0     | 148.6      | 187.9     |
| WLOM-LP               | 54.2       | 206.7     | 16.3       | 236.2     | 54.2       | 206.7     | 111.9      | 175.1     |
| WTKU                  | 64.9       | 209.1     | 27.1       | 230.2     | 64.9       | 209.1     | 119.8      | 178.9     |
| WJSE                  | 64.9       | 209.1     | 27.1       | 230.2     | 64.9       | 209.1     | 119.8      | 178.9     |
| WZBZ                  | 40.1       | 200.0     | 3.4        | 300.1     | 40.1       | 200.0     | 102.7      | 168.7     |
| WRAT                  | 55.4       | 23.9      | 96.0       | 20.2      | 55.4       | 23.9      | 57.2       | 102.3     |
| WPRB                  | 71.6       | 332.0     | 105.1      | 347.4     | 71.6       | 332.0     | .2         | 286.4     |
| WTHK                  | 70.8       | 318.3     | 99.1       | 338.5     | 70.8       | 318.3     | 17.1       | 232.7     |
| WPST                  | 70.5       | 325.1     | 101.6      | 343.0     | 70.5       | 325.1     | 8.7        | 232.1     |
| WBHX                  | 17.7       | 165.6     | 27.0       | 34.3      | 17.7       | 165.6     | 88.7       | 154.5     |
| WCZT                  | 92.8       | 210.6     | 54.4       | 221.9     | 92.8       | 210.6     | 143.7      | 185.3     |
| WVLT                  | 71.3       | 250.4     | 58.5       | 285.3     | 71.3       | 250.4     | 93.3       | 200.9     |
| WZXL                  | 77.3       | 211.9     | 39.8       | 228.8     | 77.3       | 211.9     | 129.0      | 183.0     |
| WDTH                  | 92.9       | 212.5     | 55.2       | 225.0     | 92.9       | 212.5     | 142.5      | 186.4     |
| WAWZ                  | 102.4      | 346.8     | 139.6      | 354.7     | 102.4      | 346.8     | 37.8       | 15.0      |
| WZZO                  | 131.7      | 320.1     | 158.6      | 332.2     | 131.7      | 320.1     | 63.6       | 306.3     |
| WXTU                  | 88.3       | 294.4     | 102.9      | 317.4     | 88.3       | 294.4     | 54.1       | 240.1     |
| WMMR                  | 79.3       | 289.7     | 91.9       | 315.9     | 79.3       | 289.7     | 55.0       | 228.3     |
| WYSP                  | 88.6       | 294.5     | 103.3      | 317.4     | 88.6       | 294.5     | 54.1       | 240.5     |
| WMWX                  | 88.3       | 294.4     | 102.9      | 317.4     | 88.3       | 294.4     | 54.1       | 240.1     |
| WRDW-FM               | 88.3       | 294.4     | 102.9      | 317.4     | 88.3       | 294.4     | 54.1       | 240.1     |
| WOGL                  | 88.4       | 294.6     | 103.1      | 317.5     | 88.4       | 294.6     | 53.9       | 240.4     |
| WUSL                  | 88.9       | 294.5     | 103.6      | 317.4     | 88.9       | 294.5     | 54.2       | 240.8     |
| WBEB                  | 88.3       | 294.4     | 102.9      | 317.4     | 88.3       | 294.4     | 54.1       | 240.1     |
| WIOQ                  | 88.9       | 294.5     | 103.6      | 317.4     | 88.9       | 294.5     | 54.2       | 240.8     |
| WMGK                  | 88.3       | 294.4     | 102.9      | 317.4     | 88.3       | 294.4     | 54.1       | 240.1     |
| WSNI                  | 88.6       | 294.5     | 103.3      | 317.4     | 88.6       | 294.5     | 54.1       | 240.5     |
| WDAS-FM               | 88.6       | 294.5     | 103.3      | 317.4     | 88.6       | 294.5     | 54.1       | 240.5     |
| WJJZ                  | 86.2       | 298.6     | 103.4      | 321.1     | 86.2       | 298.6     | 47.6       | 242.3     |

>> End of Transmitter Site-to-Site Distance and Bearing Calculations <<

## Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| Stations<br>Processed | WADB<br><u>LMA Status</u> | WKXW<br><u>LMA Status</u> | WOBM<br><u>LMA Status</u> | WBUD<br><u>LMA Status</u> | WJLK-FM<br><u>LMA Status</u> |
|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|
| WDOV                  |                           |                           |                           |                           |                              |
| WIBF                  |                           |                           |                           |                           |                              |
| WMID                  |                           | Xmtr in Con.              |                           |                           |                              |
| WSNJ                  |                           |                           |                           |                           |                              |
| WWTR                  |                           |                           |                           |                           |                              |
| WTMR                  |                           |                           |                           |                           |                              |
| WHTG                  | Xmtr in Con.              |                           | Con. Overlap              |                           | Xmtr in Con.                 |
| WIMG                  |                           |                           |                           | Xmtr in Con.              |                              |
| WCHR                  |                           |                           |                           | Con. Overlap              |                              |
| WIFI                  |                           |                           |                           | Con. Overlap              |                              |
| WGYM                  |                           |                           |                           |                           |                              |
| WSNR                  |                           |                           |                           |                           | Con. Overlap                 |
| WMVB                  |                           |                           |                           |                           |                              |
| WWJZ                  | Con. Overlap              | Con. Overlap              | Con. Overlap              | Con. Overlap              |                              |
| WCTC                  |                           |                           |                           |                           |                              |
| WIBG                  |                           | Con. Overlap              |                           |                           |                              |
| WOND                  |                           | Xmtr in Con.              |                           |                           |                              |
| WUSS                  |                           | Xmtr in Con.              |                           |                           |                              |
| WHWH                  |                           |                           |                           | Xmtr in Con.              |                              |
| WTTM                  |                           |                           |                           | Xmtr in Con.              |                              |
| WPHY                  |                           |                           |                           | Xmtr in Con.              |                              |
| WMIZ                  |                           |                           |                           |                           |                              |
| WNJC                  |                           |                           |                           |                           |                              |
| WCMC                  |                           | Con. Overlap              |                           |                           |                              |
| WMCA                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WFAN                  | Con. Overlap              |                           | Con. Overlap              | Con. Overlap              | Con. Overlap                 |
| WOR                   | Con. Overlap              |                           | Con. Overlap              | Con. Overlap              | Con. Overlap                 |
| WABC                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WNYC                  | Con. Overlap              |                           |                           |                           | Con. Overlap                 |
| WCBS                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WINS                  | Con. Overlap              |                           |                           |                           | Con. Overlap                 |
| WEPN                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WBBR                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WADO                  | Con. Overlap              |                           | Con. Overlap              |                           | Con. Overlap                 |
| WZRC                  |                           |                           |                           |                           | Con. Overlap                 |
| WWRL                  |                           |                           |                           |                           | Con. Overlap                 |
| WISP                  |                           |                           |                           | Con. Overlap              |                              |
| WBCB                  |                           |                           |                           | Con. Overlap              |                              |
| WNAP                  |                           |                           |                           |                           |                              |
| WFIL                  |                           |                           |                           | Con. Overlap              |                              |
| WIP                   |                           |                           |                           |                           |                              |
| WWDB                  |                           |                           |                           | Con. Overlap              |                              |
| WPEN                  |                           |                           |                           |                           |                              |
| WNTP                  |                           |                           |                           | Con. Overlap              |                              |
| KYW                   |                           |                           |                           |                           |                              |
| WPHT                  |                           |                           |                           | Con. Overlap              |                              |
| WNWR                  |                           |                           |                           |                           |                              |
| WCSE-LP               | * Error 5 *               | * Error 5 *               | * Error 5 *               | * Error 5 *               | * Error 5 *                  |
| WUPC-LP               | Xmtr in Con.              |                           | Xmtr in Con.              |                           | Con. Overlap                 |
| WAYV                  |                           | Xmtr in Con.              |                           |                           |                              |
| WMGM                  |                           | Xmtr in Con.              |                           |                           |                              |

Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| Stations<br><u>Processed</u> | WADB<br><u>LMA Status</u> | WKXW<br><u>LMA Status</u> | WOBM<br><u>LMA Status</u> | WBUD<br><u>LMA Status</u> | WJLK-FM<br><u>LMA Status</u> |
|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|
| WWZK                         |                           | Con. Overlap              |                           |                           |                              |
| WSNJ-FM                      |                           |                           |                           |                           |                              |
| WKDN                         |                           |                           |                           |                           |                              |
| WAIV                         |                           | Con. Overlap              |                           |                           |                              |
| WGBZ                         |                           | Con. Overlap              |                           |                           |                              |
| WHTG-FM                      | Xmtr in Con.              |                           | Con. Overlap              |                           | Xmtr in Con.                 |
| WWZY                         | Con. Overlap              |                           | Con. Overlap              |                           | Xmtr in Con.                 |
| WJRZ-FM                      |                           |                           | Con. Overlap              |                           |                              |
| WTTH                         |                           | Xmtr in Con.              |                           |                           |                              |
| WMGQ                         |                           |                           |                           |                           |                              |
| WDOX                         |                           | Con. Overlap              |                           |                           |                              |
| WLOM-LP                      |                           | Xmtr in Con.              |                           |                           |                              |
| WTKU                         |                           | Con. Overlap              |                           |                           |                              |
| WJSE                         |                           | Con. Overlap              |                           |                           |                              |
| WZBZ                         |                           | Xmtr in Con.              |                           |                           |                              |
| WRAT                         | Xmtr in Con.              |                           | Xmtr in Con.              |                           | Xmtr in Con.                 |
| WPRB                         |                           |                           | Con. Overlap              | Xmtr in Con.              |                              |
| WTHK                         |                           |                           |                           | Con. Overlap              |                              |
| WPST                         |                           |                           |                           | Xmtr in Con.              |                              |
| WBHX                         |                           | Con. Overlap              |                           |                           |                              |
| WCZT                         |                           | Con. Overlap              |                           |                           |                              |
| WVLT                         |                           |                           |                           |                           |                              |
| WZXL                         |                           | Con. Overlap              |                           |                           |                              |
| WDTH                         |                           | Con. Overlap              |                           |                           |                              |
| WAWZ                         |                           |                           |                           | Con. Overlap              |                              |
| WZZO                         |                           |                           |                           |                           |                              |
| WXTU                         |                           |                           |                           |                           |                              |
| WMMR                         |                           |                           |                           |                           |                              |
| WYSP                         |                           |                           |                           |                           |                              |
| WMWX                         |                           |                           |                           |                           |                              |
| WRDW-FM                      |                           |                           |                           |                           |                              |
| WOGL                         |                           |                           |                           |                           |                              |
| WUSL                         |                           |                           |                           |                           |                              |
| WBEB                         |                           |                           |                           |                           |                              |
| WIOQ                         |                           |                           |                           |                           |                              |
| WMGK                         |                           |                           |                           |                           |                              |
| WSNI                         |                           |                           |                           |                           |                              |
| WDAS-FM                      |                           |                           |                           |                           |                              |
| WJJZ                         |                           |                           |                           | Con. Overlap              |                              |

## Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| Stations<br>Processed | WFPG-FM<br><u>LMA Status</u> | WOJZ<br><u>LMA Status</u> | WIXM<br><u>LMA Status</u> | WKOE<br><u>LMA Status</u> | WOBM-FM<br><u>LMA Status</u> |
|-----------------------|------------------------------|---------------------------|---------------------------|---------------------------|------------------------------|
| WDOV                  |                              |                           | Con. Overlap              |                           |                              |
| WIBF                  |                              |                           | Con. Overlap              |                           |                              |
| WMID                  | Xmtr in Con.                 | Con. Overlap              | Xmtr in Con.              | Con. Overlap              |                              |
| WSNJ                  |                              |                           | Con. Overlap              |                           |                              |
| WWTR                  |                              |                           |                           |                           |                              |
| WTMR                  |                              | Con. Overlap              | Con. Overlap              |                           |                              |
| WHTG                  |                              |                           |                           |                           |                              |
| WIMG                  |                              |                           |                           |                           |                              |
| WCHR                  |                              |                           |                           |                           |                              |
| WIFI                  |                              |                           |                           |                           |                              |
| WGYM                  |                              | Xmtr in Con.              | Con. Overlap              |                           |                              |
| WSNR                  |                              |                           |                           |                           |                              |
| WMVB                  |                              |                           | Xmtr in Con.              |                           |                              |
| WWJZ                  | Con. Overlap                 | Con. Overlap              | Con. Overlap              | Con. Overlap              | Con. Overlap                 |
| WCTC                  |                              |                           |                           |                           |                              |
| WIBG                  | Xmtr in Con.                 | Con. Overlap              | Xmtr in Con.              | Xmtr in Con.              |                              |
| WOND                  | Xmtr in Con.                 | Xmtr in Con.              | Xmtr in Con.              | Con. Overlap              |                              |
| WUSS                  | Xmtr in Con.                 | Xmtr in Con.              | Xmtr in Con.              | Con. Overlap              |                              |
| WHWH                  |                              |                           |                           |                           |                              |
| WTTM                  |                              |                           |                           |                           |                              |
| WPHY                  |                              |                           |                           |                           |                              |
| WMIZ                  |                              |                           | Con. Overlap              |                           |                              |
| WNJC                  |                              | Con. Overlap              | Con. Overlap              |                           |                              |
| WCMC                  |                              |                           | Con. Overlap              | Con. Overlap              |                              |
| WMCA                  |                              |                           |                           |                           |                              |
| WFAN                  |                              |                           |                           |                           | Con. Overlap                 |
| WOR                   |                              |                           |                           |                           |                              |
| WABC                  |                              |                           |                           |                           |                              |
| WNYC                  |                              |                           |                           |                           |                              |
| WCBS                  |                              |                           |                           |                           | Con. Overlap                 |
| WINS                  |                              |                           |                           |                           |                              |
| WEPN                  |                              |                           |                           |                           |                              |
| WBBR                  |                              |                           |                           |                           |                              |
| WADO                  |                              |                           |                           |                           |                              |
| WZRC                  |                              |                           |                           |                           |                              |
| WWRL                  |                              |                           |                           |                           |                              |
| WISP                  |                              |                           |                           |                           |                              |
| WBCB                  |                              |                           |                           |                           |                              |
| WNAP                  |                              |                           |                           |                           |                              |
| WFIL                  |                              | Con. Overlap              |                           |                           |                              |
| WIP                   |                              | Con. Overlap              | Con. Overlap              |                           |                              |
| WWDB                  |                              |                           |                           |                           |                              |
| WPEN                  |                              |                           |                           |                           |                              |
| WNTP                  |                              | Con. Overlap              |                           |                           |                              |
| KYW                   |                              |                           |                           |                           |                              |
| WPHT                  |                              | Con. Overlap              |                           |                           |                              |
| WNWR                  |                              |                           |                           |                           |                              |
| WCSE-LP               | * Error 5 *                  | * Error 5 *               | * Error 5 *               | * Error 5 *               | * Error 5 *                  |
| WUPC-LP               |                              |                           |                           |                           |                              |
| WAYV                  | Xmtr in Con.                 | Con. Overlap              | Xmtr in Con.              | Con. Overlap              |                              |
| WMGM                  | Xmtr in Con.                 | Xmtr in Con.              | Xmtr in Con.              | Con. Overlap              |                              |

## Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| <u>Stations<br/>Processed</u> | <u>WFPG-FM<br/>LMA Status</u> | <u>WOJZ<br/>LMA Status</u> | <u>WIXM<br/>LMA Status</u> | <u>WKOE<br/>LMA Status</u> | <u>WOBM-FM<br/>LMA Status</u> |
|-------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|
| WWZK                          |                               |                            | Xmtr in Con.               | Con. Overlap               |                               |
| WSNJ-FM                       |                               |                            | Con. Overlap               |                            |                               |
| WKDN                          |                               |                            |                            |                            |                               |
| WAIV                          |                               |                            | Con. Overlap               |                            |                               |
| WGBZ                          |                               |                            | Xmtr in Con.               | Con. Overlap               |                               |
| WHTG-FM                       |                               |                            |                            |                            |                               |
| WWZY                          |                               |                            |                            |                            |                               |
| WJRZ-FM                       |                               |                            |                            |                            | Xmtr in Con.                  |
| WTTH                          | Xmtr in Con.                  | Con. Overlap               | Xmtr in Con.               | Con. Overlap               |                               |
| WMGQ                          |                               |                            |                            |                            |                               |
| WDOX                          |                               |                            | Con. Overlap               |                            |                               |
| WLOM-LP                       | Xmtr in Con.                  |                            | Xmtr in Con.               | Xmtr in Con.               |                               |
| WTKU                          | Xmtr in Con.                  |                            | Xmtr in Con.               | Xmtr in Con.               |                               |
| WJSE                          | Xmtr in Con.                  |                            | Xmtr in Con.               | Xmtr in Con.               |                               |
| WZBZ                          | Xmtr in Con.                  | Con. Overlap               | Xmtr in Con.               | Con. Overlap               |                               |
| WRAT                          |                               |                            |                            |                            |                               |
| WPRB                          |                               |                            |                            |                            |                               |
| WTHK                          |                               |                            |                            |                            |                               |
| WPST                          |                               |                            |                            |                            |                               |
| WBHX                          | Con. Overlap                  |                            |                            |                            |                               |
| WCZT                          |                               |                            | Con. Overlap               | Con. Overlap               |                               |
| WVLT                          |                               | Con. Overlap               | Con. Overlap               |                            |                               |
| WZXL                          | Con. Overlap                  |                            | Xmtr in Con.               | Con. Overlap               |                               |
| WDTH                          |                               |                            | Con. Overlap               |                            |                               |
| WAWZ                          |                               |                            |                            |                            |                               |
| WZZO                          |                               |                            |                            |                            |                               |
| WXTU                          |                               |                            |                            |                            |                               |
| WMMR                          |                               |                            |                            |                            |                               |
| WYSP                          |                               |                            |                            |                            |                               |
| WMWX                          |                               |                            |                            |                            |                               |
| WRDW-FM                       |                               |                            |                            |                            |                               |
| WOGL                          |                               |                            |                            |                            |                               |
| WUSL                          |                               |                            |                            |                            |                               |
| WBEB                          |                               |                            |                            |                            |                               |
| WIOQ                          |                               |                            |                            |                            |                               |
| WMGK                          |                               |                            |                            |                            |                               |
| WSNI                          |                               |                            |                            |                            |                               |
| WDAS-FM                       |                               |                            |                            |                            |                               |
| WJJZ                          |                               |                            |                            |                            |                               |

Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| Stations<br>Processed | WCHR-FM<br><u>LMA Status</u> | WPUR<br><u>LMA Status</u> | WBBO<br><u>LMA Status</u> | WKXW-FM<br><u>LMA Status</u> |
|-----------------------|------------------------------|---------------------------|---------------------------|------------------------------|
| WDOV                  |                              |                           |                           |                              |
| WIBF                  |                              |                           |                           |                              |
| WMID                  | Con. Overlap                 | Xmtr in Con.              | Con. Overlap              |                              |
| WSNJ                  |                              |                           |                           |                              |
| WWTR                  |                              |                           |                           | Xmtr in Con.                 |
| WTMR                  |                              |                           |                           | Con. Overlap                 |
| WHTG                  |                              |                           |                           |                              |
| WIMG                  |                              |                           |                           | Xmtr in Con.                 |
| WCHR                  |                              |                           |                           | Con. Overlap                 |
| WIFI                  |                              |                           |                           | Xmtr in Con.                 |
| WGYM                  |                              |                           |                           |                              |
| WSNR                  |                              |                           |                           |                              |
| WMVB                  |                              |                           |                           |                              |
| WWJZ                  | Con. Overlap                 | Con. Overlap              | Con. Overlap              | Xmtr in Con.                 |
| WCTC                  |                              |                           |                           | Xmtr in Con.                 |
| WIBG                  |                              | Con. Overlap              |                           |                              |
| WOND                  | Con. Overlap                 | Xmtr in Con.              |                           |                              |
| WUSS                  | Con. Overlap                 | Xmtr in Con.              |                           |                              |
| WHWH                  |                              |                           |                           | Xmtr in Con.                 |
| WTTM                  |                              |                           |                           | Xmtr in Con.                 |
| WPHY                  |                              |                           |                           | Xmtr in Con.                 |
| WMIZ                  |                              |                           |                           |                              |
| WNJC                  |                              |                           |                           |                              |
| WCMC                  |                              |                           |                           |                              |
| WMCA                  |                              |                           |                           |                              |
| WFAN                  | Con. Overlap                 |                           | Con. Overlap              | Con. Overlap                 |
| WOR                   |                              |                           |                           | Con. Overlap                 |
| WABC                  |                              |                           |                           | Con. Overlap                 |
| WNYC                  |                              |                           |                           |                              |
| WCBS                  | Con. Overlap                 |                           | Con. Overlap              | Con. Overlap                 |
| WINS                  |                              |                           |                           |                              |
| WEPN                  |                              |                           |                           |                              |
| WBBR                  |                              |                           |                           |                              |
| WADO                  |                              |                           |                           |                              |
| WZRC                  |                              |                           |                           |                              |
| WWRL                  |                              |                           |                           |                              |
| WISP                  |                              |                           |                           | Con. Overlap                 |
| WBCB                  |                              |                           |                           | Xmtr in Con.                 |
| WNAP                  |                              |                           |                           | Con. Overlap                 |
| WFIL                  |                              |                           |                           | Con. Overlap                 |
| WIP                   |                              |                           |                           | Con. Overlap                 |
| WWDB                  |                              |                           |                           | Con. Overlap                 |
| WPEN                  |                              |                           |                           | Con. Overlap                 |
| WNTP                  |                              |                           |                           | Con. Overlap                 |
| KYW                   |                              |                           |                           | Con. Overlap                 |
| WPHT                  |                              |                           |                           | Con. Overlap                 |
| WNWR                  |                              |                           |                           | Con. Overlap                 |
| WCSE-LP               | * Error 5 *                  | * Error 5 *               | * Error 5 *               | * Error 5 *                  |
| WUPC-LP               |                              |                           |                           |                              |
| WAYV                  | Con. Overlap                 | Xmtr in Con.              |                           |                              |
| WMGM                  | Con. Overlap                 | Xmtr in Con.              |                           |                              |

## Summary of Proposed LMA/Duopoly Analysis

**Title: Millennium Radio Group LLC**

Database: DW

| <u>Stations<br/>Processed</u> | <u>WCHR-FM<br/>LMA Status</u> | <u>WPUR<br/>LMA Status</u> | <u>WBBO<br/>LMA Status</u> | <u>WKXW-FM<br/>LMA Status</u> |
|-------------------------------|-------------------------------|----------------------------|----------------------------|-------------------------------|
| WWZK                          |                               |                            |                            |                               |
| WSNJ-FM                       |                               |                            |                            | Con. Overlap                  |
| WKDN                          |                               |                            |                            |                               |
| WAIV                          |                               |                            |                            |                               |
| WGBZ                          |                               |                            |                            |                               |
| WHTG-FM                       |                               |                            |                            |                               |
| WWZY                          |                               |                            |                            |                               |
| WJRZ-FM                       | Xmtr in Con.                  |                            | Xmtr in Con.               |                               |
| WTTH                          |                               | Xmtr in Con.               |                            |                               |
| WMGQ                          |                               |                            |                            | Xmtr in Con.                  |
| WDOX                          |                               |                            |                            |                               |
| WLOM-LP                       |                               | Xmtr in Con.               |                            |                               |
| WTKU                          |                               | Con. Overlap               |                            |                               |
| WJSE                          |                               | Con. Overlap               |                            |                               |
| WZBZ                          |                               | Xmtr in Con.               |                            |                               |
| WRAT                          |                               |                            |                            |                               |
| WPRB                          |                               |                            |                            | Xmtr in Con.                  |
| WTHK                          |                               |                            |                            | Xmtr in Con.                  |
| WPST                          |                               |                            |                            | Xmtr in Con.                  |
| WBHX                          | Xmtr in Con.                  | Con. Overlap               | Con. Overlap               |                               |
| WCZT                          |                               |                            |                            |                               |
| WVLT                          |                               |                            |                            |                               |
| WZXL                          |                               | Con. Overlap               |                            |                               |
| WDTH                          |                               |                            |                            | Con. Overlap                  |
| WAWZ                          |                               |                            |                            | Con. Overlap                  |
| WZZO                          |                               |                            |                            | Con. Overlap                  |
| WXTU                          |                               |                            |                            | Con. Overlap                  |
| WMMR                          |                               |                            |                            | Con. Overlap                  |
| WYSP                          |                               |                            |                            | Con. Overlap                  |
| WMWX                          |                               |                            |                            | Con. Overlap                  |
| WRDW-FM                       |                               |                            |                            | Con. Overlap                  |
| WOGL                          |                               |                            |                            | Con. Overlap                  |
| WUSL                          |                               |                            |                            | Con. Overlap                  |
| WBEB                          |                               |                            |                            | Con. Overlap                  |
| WIOQ                          |                               |                            |                            | Con. Overlap                  |
| WMGK                          |                               |                            |                            | Con. Overlap                  |
| WSNI                          |                               |                            |                            | Con. Overlap                  |
| WDAS-FM                       |                               |                            |                            | Con. Overlap                  |
| WJJZ                          |                               |                            |                            | Con. Overlap                  |

&gt;&gt; End of Summary of Proposed LMA/Duopoly Analysis &lt;&lt;