

Bob Moore
04-16-2005 30 Sec. Terrain Data

WRDR
Channel = 209B
Max ERP = 11.5 kW
RCAMSL = 90 M
N. Lat = 400414
W. Lng = 742129

WDVR BLED19990603KA
Channel = 209A
Max ERP = 4.8 kW
RCAMSL = 202 M
N. Lat = 40 30 37
W. Lng = 74 57 29

Protected
60 dBu

Interfering
40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 260.0 | 003.1698 | 0058.6 | 019.0 | 148.2 | 000.9186 | 0108.3 | 061.3 | 39.8 |
| 261.0 | 003.0407 | 0058.2 | 018.8 | 147.9 | 000.9083 | 0108.3 | 061.1 | 39.8 |
| 262.0 | 002.9144 | 0057.7 | 018.5 | 147.5 | 000.8979 | 0108.3 | 060.9 | 39.8 |
| 263.0 | 002.7907 | 0057.4 | 018.2 | 147.1 | 000.8876 | 0108.3 | 060.8 | 39.8 |
| 264.0 | 002.6697 | 0057.1 | 018.0 | 146.8 | 000.8774 | 0108.3 | 060.6 | 39.8 |
| 265.0 | 002.5514 | 0056.9 | 017.7 | 146.4 | 000.8675 | 0108.6 | 060.4 | 39.9 |
| 266.0 | 002.4357 | 0056.6 | 017.5 | 146.1 | 000.8574 | 0108.6 | 060.3 | 39.9 |
| 267.0 | 002.3228 | 0056.4 | 017.2 | 145.7 | 000.8472 | 0108.6 | 060.2 | 39.9 |
| 268.0 | 002.2125 | 0056.2 | 016.9 | 145.4 | 000.8369 | 0109.0 | 060.0 | 39.9 |
| 269.0 | 002.1049 | 0055.8 | 016.6 | 145.0 | 000.8258 | 0109.0 | 060.0 | 39.8 |
| 270.0 | 002.0000 | 0055.2 | 016.3 | 144.6 | 000.8144 | 0109.0 | 059.9 | 39.8 |
| 271.0 | 001.9523 | 0054.7 | 016.1 | 144.2 | 000.8058 | 0109.5 | 059.8 | 39.8 |
| 272.0 | 001.9052 | 0054.3 | 015.9 | 143.9 | 000.7974 | 0109.5 | 059.7 | 39.8 |
| 273.0 | 001.8586 | 0054.1 | 015.8 | 143.7 | 000.7901 | 0109.5 | 059.6 | 39.8 |
| 274.0 | 001.8126 | 0053.9 | 015.6 | 143.4 | 000.7827 | 0110.2 | 059.4 | 39.9 |
| 275.0 | 001.7672 | 0053.7 | 015.5 | 143.1 | 000.7751 | 0110.2 | 059.3 | 39.9 |
| 276.0 | 001.7224 | 0053.3 | 015.3 | 142.8 | 000.7672 | 0110.2 | 059.2 | 39.8 |
| 277.0 | 001.6781 | 0052.8 | 015.1 | 142.5 | 000.7591 | 0110.2 | 059.2 | 39.8 |
| 278.0 | 001.6344 | 0052.4 | 015.0 | 142.2 | 000.7513 | 0110.8 | 059.1 | 39.8 |
| 279.0 | 001.5913 | 0052.2 | 014.8 | 142.0 | 000.7440 | 0110.8 | 059.0 | 39.8 |
| 280.0 | 001.5488 | 0052.0 | 014.7 | 141.7 | 000.7368 | 0110.8 | 058.9 | 39.8 |
| 281.0 | 001.5138 | 0051.8 | 014.6 | 141.4 | 000.7299 | 0111.3 | 058.9 | 39.8 |
| 282.0 | 001.4792 | 0051.5 | 014.5 | 141.2 | 000.7230 | 0111.3 | 058.8 | 39.8 |
| 283.0 | 001.4450 | 0051.2 | 014.3 | 140.9 | 000.7159 | 0111.3 | 058.7 | 39.8 |
| 284.0 | 001.4112 | 0050.8 | 014.2 | 140.6 | 000.7088 | 0111.3 | 058.7 | 39.8 |
| 285.0 | 001.3778 | 0050.5 | 014.1 | 140.3 | 000.7019 | 0111.9 | 058.7 | 39.8 |
| 286.0 | 001.3448 | 0050.3 | 014.0 | 140.1 | 000.6952 | 0111.9 | 058.6 | 39.8 |
| 287.0 | 001.3122 | 0050.1 | 013.9 | 139.8 | 000.6906 | 0111.9 | 058.6 | 39.7 |
| 288.0 | 001.2800 | 0050.1 | 013.8 | 139.6 | 000.6870 | 0111.9 | 058.5 | 39.7 |
| 289.0 | 001.2482 | 0050.0 | 013.7 | 139.3 | 000.6834 | 0112.5 | 058.5 | 39.8 |
| 290.0 | 001.2168 | 0049.8 | 013.6 | 139.1 | 000.6797 | 0112.5 | 058.4 | 39.8 |
| 291.0 | 001.1887 | 0049.7 | 013.5 | 138.8 | 000.6762 | 0112.5 | 058.4 | 39.7 |
| 292.0 | 001.1609 | 0049.6 | 013.4 | 138.6 | 000.6727 | 0112.5 | 058.4 | 39.7 |
| 293.0 | 001.1335 | 0049.8 | 013.3 | 138.4 | 000.6694 | 0113.3 | 058.3 | 39.8 |
| 294.0 | 001.1063 | 0050.2 | 013.3 | 138.1 | 000.6663 | 0113.3 | 058.3 | 39.8 |
| 295.0 | 001.0796 | 0050.7 | 013.3 | 137.9 | 000.6632 | 0113.3 | 058.2 | 39.8 |
| 296.0 | 001.0531 | 0051.1 | 013.3 | 137.7 | 000.6601 | 0113.3 | 058.1 | 39.8 |
| 297.0 | 001.0270 | 0051.5 | 013.2 | 137.5 | 000.6569 | 0113.8 | 058.0 | 39.8 |
| 298.0 | 001.0011 | 0051.7 | 013.2 | 137.3 | 000.6537 | 0113.8 | 058.0 | 39.8 |
| 299.0 | 000.9757 | 0051.9 | 013.1 | 137.0 | 000.6503 | 0113.8 | 058.0 | 39.8 |
| 300.0 | 000.9505 | 0051.8 | 013.0 | 136.8 | 000.6469 | 0113.8 | 058.0 | 39.8 |
| 301.0 | 000.9925 | 0051.5 | 013.1 | 136.6 | 000.6443 | 0113.8 | 057.9 | 39.8 |
| 302.0 | 001.0354 | 0050.8 | 013.2 | 136.4 | 000.6413 | 0113.9 | 057.8 | 39.8 |
| 303.0 | 001.0792 | 0049.8 | 013.2 | 136.2 | 000.6382 | 0113.9 | 057.7 | 39.8 |

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|-------|----------|--------|-------|--|-------|----------|--------|-------|------|
| 304.0 | 001.1239 | 0048.7 | 013.2 | | 135.9 | 000.6350 | 0113.9 | 057.7 | 39.8 |
| 305.0 | 001.1695 | 0047.7 | 013.1 | | 135.7 | 000.6319 | 0113.9 | 057.6 | 39.8 |
| 306.0 | 001.2160 | 0046.9 | 013.2 | | 135.5 | 000.6288 | 0113.7 | 057.6 | 39.8 |
| 307.0 | 001.2635 | 0046.2 | 013.2 | | 135.3 | 000.6257 | 0113.7 | 057.5 | 39.8 |
| 308.0 | 001.3118 | 0045.6 | 013.2 | | 135.0 | 000.6226 | 0113.7 | 057.5 | 39.8 |
| 309.0 | 001.3610 | 0045.0 | 013.2 | | 134.8 | 000.6195 | 0113.7 | 057.4 | 39.8 |
| 310.0 | 001.4112 | 0044.7 | 013.3 | | 134.6 | 000.6164 | 0113.7 | 057.3 | 39.8 |
| 311.0 | 001.4247 | 0044.5 | 013.3 | | 134.4 | 000.6132 | 0113.8 | 057.3 | 39.8 |
| 312.0 | 001.4382 | 0044.4 | 013.3 | | 134.1 | 000.6100 | 0113.8 | 057.3 | 39.8 |
| 313.0 | 001.4518 | 0044.3 | 013.3 | | 133.9 | 000.6068 | 0113.8 | 057.3 | 39.8 |
| 314.0 | 001.4655 | 0044.3 | 013.3 | | 133.7 | 000.6037 | 0113.8 | 057.2 | 39.8 |
| 315.0 | 001.4792 | 0044.2 | 013.4 | | 133.4 | 000.6005 | 0114.6 | 057.2 | 39.8 |
| 316.0 | 001.4930 | 0044.1 | 013.4 | | 133.2 | 000.5973 | 0114.6 | 057.2 | 39.8 |
| 317.0 | 001.5068 | 0044.0 | 013.4 | | 133.0 | 000.5941 | 0114.6 | 057.2 | 39.8 |
| 318.0 | 001.5208 | 0043.8 | 013.4 | | 132.7 | 000.5910 | 0114.6 | 057.2 | 39.7 |
| 319.0 | 001.5347 | 0043.7 | 013.4 | | 132.5 | 000.5878 | 0115.9 | 057.3 | 39.8 |
| 320.0 | 001.5488 | 0043.6 | 013.4 | | 132.3 | 000.5847 | 0115.9 | 057.3 | 39.7 |
| 321.0 | 001.5629 | 0043.7 | 013.5 | | 132.0 | 000.5815 | 0115.9 | 057.3 | 39.7 |
| 322.0 | 001.5771 | 0043.9 | 013.5 | | 131.8 | 000.5782 | 0115.9 | 057.2 | 39.7 |
| 323.0 | 001.5913 | 0044.4 | 013.6 | | 131.5 | 000.5749 | 0115.9 | 057.2 | 39.7 |
| 324.0 | 001.6056 | 0044.8 | 013.7 | | 131.3 | 000.5715 | 0117.2 | 057.1 | 39.8 |
| 325.0 | 001.6200 | 0045.0 | 013.8 | | 131.0 | 000.5682 | 0117.2 | 057.1 | 39.7 |
| 326.0 | 001.6344 | 0045.3 | 013.9 | | 130.8 | 000.5649 | 0117.2 | 057.1 | 39.7 |
| 327.0 | 001.6489 | 0045.8 | 014.0 | | 130.5 | 000.5614 | 0118.1 | 057.1 | 39.8 |
| 328.0 | 001.6635 | 0046.4 | 014.1 | | 130.2 | 000.5578 | 0118.1 | 057.0 | 39.8 |
| 329.0 | 001.6781 | 0046.9 | 014.2 | | 130.0 | 000.5547 | 0118.1 | 057.0 | 39.7 |
| 330.0 | 001.6928 | 0047.2 | 014.3 | | 129.7 | 000.5539 | 0118.1 | 057.0 | 39.7 |
| 331.0 | 001.7816 | 0047.2 | 014.5 | | 129.4 | 000.5529 | 0118.6 | 056.9 | 39.8 |
| 332.0 | 001.8727 | 0047.1 | 014.6 | | 129.1 | 000.5519 | 0118.6 | 056.9 | 39.8 |
| 333.0 | 001.9660 | 0047.1 | 014.8 | | 128.8 | 000.5509 | 0118.6 | 056.8 | 39.8 |
| 334.0 | 002.0616 | 0047.1 | 015.0 | | 128.5 | 000.5499 | 0118.9 | 056.8 | 39.8 |
| 335.0 | 002.1595 | 0046.9 | 015.2 | | 128.2 | 000.5489 | 0118.9 | 056.7 | 39.8 |
| 336.0 | 002.2596 | 0046.7 | 015.3 | | 127.9 | 000.5479 | 0118.9 | 056.7 | 39.8 |
| 337.0 | 002.3620 | 0046.4 | 015.4 | | 127.6 | 000.5469 | 0118.9 | 056.7 | 39.8 |
| 338.0 | 002.4667 | 0046.0 | 015.5 | | 127.3 | 000.5460 | 0119.2 | 056.8 | 39.8 |
| 339.0 | 002.5737 | 0045.6 | 015.6 | | 127.0 | 000.5450 | 0119.2 | 056.8 | 39.8 |
| 340.0 | 002.6829 | 0045.5 | 015.8 | | 126.7 | 000.5440 | 0119.2 | 056.9 | 39.8 |
| 341.0 | 002.8150 | 0045.6 | 016.0 | | 126.3 | 000.5429 | 0119.8 | 056.8 | 39.8 |
| 342.0 | 002.9504 | 0045.8 | 016.3 | | 125.9 | 000.5416 | 0119.8 | 056.8 | 39.8 |
| 343.0 | 003.0888 | 0046.1 | 016.5 | | 125.5 | 000.5403 | 0119.8 | 056.7 | 39.8 |
| 344.0 | 003.2305 | 0046.2 | 016.8 | | 125.1 | 000.5391 | 0120.4 | 056.7 | 39.9 |
| 345.0 | 003.3754 | 0046.2 | 017.0 | | 124.8 | 000.5379 | 0120.4 | 056.7 | 39.8 |
| 346.0 | 003.5234 | 0046.3 | 017.2 | | 124.4 | 000.5367 | 0120.9 | 056.8 | 39.8 |
| 347.0 | 003.6746 | 0046.6 | 017.5 | | 124.0 | 000.5354 | 0120.9 | 056.8 | 39.8 |
| 348.0 | 003.8289 | 0046.8 | 017.7 | | 123.6 | 000.5342 | 0120.9 | 056.8 | 39.8 |
| 349.0 | 003.9865 | 0047.1 | 018.0 | | 123.2 | 000.5329 | 0121.2 | 056.9 | 39.8 |
| 350.0 | 004.1472 | 0047.4 | 018.2 | | 122.8 | 000.5316 | 0121.2 | 056.9 | 39.8 |
| 351.0 | 004.3571 | 0048.2 | 018.6 | | 122.3 | 000.5299 | 0121.5 | 056.9 | 39.8 |
| 352.0 | 004.5723 | 0049.6 | 019.2 | | 121.6 | 000.5279 | 0121.5 | 056.8 | 39.8 |
| 353.0 | 004.7926 | 0051.3 | 019.7 | | 121.0 | 000.5258 | 0121.9 | 056.7 | 39.8 |
| 354.0 | 005.0181 | 0052.8 | 020.3 | | 120.3 | 000.5238 | 0122.3 | 056.6 | 39.9 |
| 355.0 | 005.2488 | 0053.6 | 020.6 | | 119.8 | 000.5233 | 0122.3 | 056.7 | 39.8 |
| 356.0 | 005.4847 | 0054.1 | 021.0 | | 119.3 | 000.5248 | 0122.6 | 056.8 | 39.8 |
| 357.0 | 005.7257 | 0054.7 | 021.3 | | 118.9 | 000.5263 | 0122.6 | 057.0 | 39.8 |
| 358.0 | 005.9720 | 0055.1 | 021.6 | | 118.4 | 000.5277 | 0122.7 | 057.1 | 39.7 |
| 359.0 | 006.2234 | 0055.4 | 021.9 | | 118.0 | 000.5291 | 0122.7 | 057.3 | 39.7 |
| 000.0 | 006.4800 | 0055.8 | 022.1 | | 117.6 | 000.5305 | 0122.7 | 057.5 | 39.6 |
| 001.0 | 006.8199 | 0055.8 | 022.4 | | 117.1 | 000.5318 | 0122.9 | 057.7 | 39.5 |
| 002.0 | 007.1685 | 0055.9 | 022.7 | | 116.7 | 000.5331 | 0122.9 | 058.0 | 39.5 |
| 003.0 | 007.5258 | 0055.9 | 022.9 | | 116.3 | 000.5344 | 0123.2 | 058.2 | 39.4 |
| 004.0 | 007.8918 | 0055.9 | 023.2 | | 116.0 | 000.5356 | 0123.2 | 058.5 | 39.3 |

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|-------|----------|--------|-------|--|-------|----------|--------|-------|------|
| 005.0 | 008.2664 | 0055.9 | 023.4 | | 115.6 | 000.5368 | 0123.2 | 058.8 | 39.2 |
| 006.0 | 008.6498 | 0056.1 | 023.7 | | 115.2 | 000.5381 | 0123.5 | 059.1 | 39.1 |
| 007.0 | 009.0418 | 0056.6 | 024.0 | | 114.7 | 000.5395 | 0123.5 | 059.4 | 39.0 |
| 008.0 | 009.4426 | 0057.1 | 024.4 | | 114.3 | 000.5409 | 0124.1 | 059.7 | 39.0 |
| 009.0 | 009.8520 | 0057.7 | 024.7 | | 113.9 | 000.5423 | 0124.1 | 060.0 | 38.9 |
| 010.0 | 010.2701 | 0058.3 | 025.1 | | 113.4 | 000.5437 | 0125.1 | 060.3 | 38.8 |