

EXHIBIT 15-Q-1 Composite WIOV M-3 Ground Conductivity Data

WIOV 1240 kHz Lic ND1U Facil. ID 55307 01-Jan-2007
PA READING 1.000 kW 1 Tower 0 Augmentations
N.Lat: 40 19 28 W.Lon: 75 56 31 0 Measured Cond

' ' means estimated conductivity, from M-3 map.
'M*' means measured conductivity (main bearing).

All distances are in kilometers (US metric curves)
All distances are cumulative.
All radiations are in mV/m at one kilometer

| Bearing | Radiation | Region | | Region | | Region | |
|---------|-----------|--------|-------|--------|-------|--------|-------|
| | | Cond | Dist | Cond | Dist | Cond | Dist |
| 0.0 | 316.2 | 4.0 | 30.8 | 2.0 | 77.5 | 4.0 | 448.4 |
| | | 10.0 | 501.1 | | | | |
| 5.0 | 316.2 | 4.0 | 32.2 | 2.0 | 78.9 | 4.0 | 496.4 |
| | | 10.0 | 500.0 | | | | |
| 10.0 | 316.2 | 4.0 | 34.0 | 2.0 | 82.4 | 4.0 | 500.0 |
| 15.0 | 316.2 | 4.0 | 36.3 | 2.0 | 87.3 | 4.0 | 500.0 |
| 20.0 | 316.2 | 4.0 | 39.5 | 2.0 | 93.6 | 4.0 | 500.0 |
| 25.0 | 316.2 | 4.0 | 44.6 | 2.0 | 101.8 | 4.0 | 323.4 |
| | | 2.0 | 500.0 | | | | |
| 30.0 | 316.2 | 4.0 | 51.6 | 2.0 | 112.4 | 4.0 | 346.2 |
| | | 2.0 | 500.0 | | | | |
| 35.0 | 316.2 | 4.0 | 62.4 | 2.0 | 130.0 | 4.0 | 369.3 |
| | | 2.0 | 473.8 | 1.0 | 495.3 | 0.5 | 500.0 |
| 40.0 | 316.2 | 4.0 | 87.5 | 2.0 | 156.6 | 4.0 | 379.9 |
| | | 1.0 | 500.0 | | | | |
| 45.0 | 316.2 | 4.0 | 102.5 | 2.0 | 175.0 | 4.0 | 327.0 |
| | | 1.0 | 500.0 | | | | |
| 50.0 | 316.2 | 4.0 | 105.3 | 2.0 | 176.6 | 4.0 | 280.4 |
| | | 1.0 | 500.0 | | | | |
| 55.0 | 316.2 | 4.0 | 107.7 | 2.0 | 174.3 | 4.0 | 227.5 |
| | | 1.0 | 298.3 | 2.0 | 414.9 | 1.0 | 477.5 |
| | | 2.0 | 500.0 | | | | |
| 60.0 | 316.2 | 4.0 | 112.2 | 2.0 | 160.9 | 4.0 | 209.2 |
| | | 1.0 | 280.4 | 2.0 | 464.6 | 5000.0 | 500.0 |
| 65.0 | 316.2 | 4.0 | 119.6 | 2.0 | 151.0 | 4.0 | 204.7 |
| | | 1.0 | 270.9 | 2.0 | 481.0 | 5000.0 | 500.0 |

EXHIBIT 15-Q-1 (cont.)
Composite WIOV M-3 Ground Conductivity Data

WIOV 1240 kHz Lic ND1U Facil. ID 55307 01-Jan-2007
PA READING 1.000 kW 1 Tower 0 Augmentations
N.Lat: 40 19 28 W.Lon: 75 56 31 0 Measured Cond

| Bearing | Radiation | Region | | Region | | Region | |
|---------|-----------|--------|-------|--------|-------|--------|-------|
| | | Cond | Dist | Cond | Dist | Cond | Dist |
| 70.0 | 316.2 | 4.0 | 195.5 | 5000.0 | 338.2 | 2.0 | 339.0 |
| | | 5000.0 | 346.4 | 2.0 | 351.0 | 5000.0 | 353.4 |
| | | 2.0 | 400.3 | 5000.0 | 419.5 | 2.0 | 430.5 |
| | | 5000.0 | 432.6 | 2.0 | 442.8 | 5000.0 | 468.0 |
| | | 2.0 | 498.8 | 5000.0 | 503.2 | | |
| 75.0 | 316.2 | 4.0 | 163.4 | 5000.0 | 171.4 | 4.0 | 189.4 |
| | | 0.5 | 294.3 | 5000.0 | 309.5 | 0.5 | 319.2 |
| | | 5000.0 | 320.4 | 0.5 | 330.7 | 5000.0 | 343.3 |
| | | 0.5 | 353.2 | 5000.0 | 500.0 | | |
| 80.0 | 316.2 | 4.0 | 155.3 | 5000.0 | 187.6 | 0.5 | 202.7 |
| | | 5000.0 | 500.0 | | | | |
| 85.0 | 316.2 | 4.0 | 159.5 | 5000.0 | 164.3 | 4.0 | 165.8 |
| | | 5000.0 | 500.0 | | | | |
| 90.0 | 316.2 | 4.0 | 166.0 | 5000.0 | 500.0 | | |
| 95.0 | 316.2 | 4.0 | 164.3 | 5000.0 | 500.0 | | |
| 100.0 | 316.2 | 4.0 | 158.1 | 5000.0 | 500.0 | | |
| 105.0 | 316.2 | 4.0 | 162.4 | 5000.0 | 500.0 | | |
| 110.0 | 316.2 | 4.0 | 163.5 | 5000.0 | 500.0 | | |
| 115.0 | 316.2 | 4.0 | 166.8 | 5000.0 | 500.0 | | |
| 120.0 | 316.2 | 4.0 | 161.9 | 5000.0 | 500.0 | | |
| 125.0 | 316.2 | 4.0 | 83.8 | 5000.0 | 84.1 | 4.0 | 163.3 |
| | | 5000.0 | 500.0 | | | | |
| 130.0 | 316.2 | 4.0 | 77.7 | 5000.0 | 79.9 | 4.0 | 164.5 |
| | | 5000.0 | 500.0 | | | | |
| 135.0 | 316.2 | 4.0 | 73.1 | 5000.0 | 76.8 | 4.0 | 153.7 |
| | | 5000.0 | 155.7 | 4.0 | 166.4 | 5000.0 | 500.0 |
| 140.0 | 316.2 | 4.0 | 71.8 | 5000.0 | 74.5 | 4.0 | 169.9 |
| | | 5000.0 | 500.0 | | | | |
| 145.0 | 316.2 | 4.0 | 72.3 | 5000.0 | 75.4 | 4.0 | 156.6 |
| | | 5000.0 | 159.0 | 4.0 | 173.4 | 5000.0 | 500.0 |
| 150.0 | 316.2 | 4.0 | 75.2 | 5000.0 | 78.8 | 4.0 | 144.6 |
| | | 5000.0 | 172.3 | 4.0 | 177.8 | 5000.0 | 500.0 |
| 155.0 | 316.2 | 4.0 | 79.0 | 5000.0 | 83.2 | 4.0 | 120.7 |
| | | 5000.0 | 500.0 | | | | |
| 160.0 | 316.2 | 4.0 | 83.8 | 5000.0 | 90.0 | 4.0 | 94.1 |
| | | 5000.0 | 114.5 | 4.0 | 136.2 | 5000.0 | 153.2 |
| | | 4.0 | 161.6 | 5000.0 | 164.4 | 4.0 | 197.1 |
| | | 2.0 | 222.8 | 5000.0 | 500.0 | | |
| 165.0 | 316.2 | 4.0 | 195.1 | 2.0 | 243.5 | 5000.0 | 500.0 |
| 170.0 | 316.2 | 4.0 | 193.7 | 2.0 | 267.4 | 5000.0 | 500.0 |

EXHIBIT 15-Q-1 (cont.)
Composite WIOV M-3 Ground Conductivity Data

WIOV 1240 kHz Lic ND1U Facil. ID 55307 01-Jan-2007
PA READING 1.000 kW 1 Tower 0 Augmentations
N.Lat: 40 19 28 W.Lon: 75 56 31 0 Measured Cond

| Bearing | Radiation | Region | | Region | | Region | |
|---------|-----------|--------|-------|--------|-------|--------|-------|
| | | Cond | Dist | Cond | Dist | Cond | Dist |
| 175.0 | 316.2 | 4.0 | 83.8 | 40.0 | 85.7 | 4.0 | 192.2 |
| | | 2.0 | 263.3 | 5000.0 | 267.6 | 2.0 | 272.1 |
| | | 5000.0 | 276.3 | 2.0 | 302.2 | 5000.0 | 500.0 |
| 180.0 | 316.2 | 4.0 | 90.7 | 40.0 | 95.2 | 4.0 | 103.8 |
| | | 40.0 | 106.1 | 4.0 | 192.3 | 2.0 | 227.9 |
| | | 5000.0 | 238.0 | 2.0 | 242.7 | 5000.0 | 315.2 |
| | | 2.0 | 316.9 | 5000.0 | 323.6 | 2.0 | 356.5 |
| | | 5000.0 | 396.8 | 4.0 | 404.3 | 5000.0 | 418.7 |
| | | 4.0 | 427.5 | 5000.0 | 436.4 | 4.0 | 451.9 |
| | | 5000.0 | 461.7 | 4.0 | 462.7 | 5000.0 | 490.1 |
| | | 4.0 | 500.0 | | | | |
| 185.0 | 316.2 | 4.0 | 85.1 | 40.0 | 104.0 | 4.0 | 104.2 |
| | | 40.0 | 106.5 | 4.0 | 130.5 | 40.0 | 132.1 |
| | | 4.0 | 159.4 | 40.0 | 161.9 | 4.0 | 168.9 |
| | | 40.0 | 169.1 | 4.0 | 179.5 | 40.0 | 180.8 |
| | | 4.0 | 186.8 | 40.0 | 191.5 | 4.0 | 194.3 |
| | | 2.0 | 222.1 | 5000.0 | 320.1 | 2.0 | 329.4 |
| | | 5000.0 | 334.7 | 2.0 | 335.9 | 5000.0 | 358.1 |
| | | 4.0 | 370.6 | 5000.0 | 377.5 | 4.0 | 380.1 |
| | | 5000.0 | 386.5 | 4.0 | 464.3 | 5000.0 | 466.8 |
| | | 4.0 | 473.4 | 5000.0 | 485.2 | 4.0 | 500.0 |
| 190.0 | 316.2 | 4.0 | 93.1 | 40.0 | 94.8 | 4.0 | 100.7 |
| | | 40.0 | 113.4 | 4.0 | 142.0 | 40.0 | 167.8 |
| | | 4.0 | 174.7 | 40.0 | 199.0 | 5000.0 | 228.1 |
| | | 4.0 | 233.2 | 5000.0 | 234.2 | 4.0 | 247.1 |
| | | 5000.0 | 263.5 | 4.0 | 297.7 | 5000.0 | 304.7 |
| | | 2.0 | 337.7 | 5000.0 | 342.5 | 2.0 | 352.3 |
| | | 5000.0 | 369.5 | 2.0 | 395.6 | 4.0 | 416.0 |
| | | 2.0 | 500.0 | | | | |
| 195.0 | 316.2 | 4.0 | 102.2 | 40.0 | 112.2 | 4.0 | 115.0 |
| | | 40.0 | 192.5 | 4.0 | 218.0 | 5000.0 | 222.1 |
| | | 4.0 | 241.4 | 5000.0 | 250.5 | 4.0 | 280.8 |
| | | 5000.0 | 283.7 | 2.0 | 353.4 | 5000.0 | 354.6 |
| | | 2.0 | 500.0 | | | | |
| 200.0 | 316.2 | 4.0 | 118.0 | 40.0 | 119.6 | 4.0 | 124.5 |
| | | 40.0 | 126.2 | 4.0 | 130.5 | 40.0 | 138.8 |
| | | 4.0 | 146.4 | 40.0 | 147.7 | 4.0 | 152.2 |
| | | 40.0 | 154.2 | 4.0 | 161.9 | 40.0 | 162.4 |
| | | 4.0 | 232.1 | 5000.0 | 236.9 | 4.0 | 240.0 |
| | | 5000.0 | 251.7 | 4.0 | 270.3 | 2.0 | 500.0 |

EXHIBIT 15-Q-1 (cont.)
Composite WIOV M-3 Ground Conductivity Data

WIOV 1240 kHz Lic ND1U Facil. ID 55307 01-Jan-2007
PA READING 1.000 kW 1 Tower 0 Augmentations
N.Lat: 40 19 28 W.Lon: 75 56 31 0 Measured Cond

| Bearing | Radiation | Region | | Region | | Region | |
|---------|-----------|--------|-------|--------|-------|--------|-------|
| | | Cond | Dist | Cond | Dist | Cond | Dist |
| 205.0 | 316.2 | 4.0 | 130.1 | 40.0 | 136.1 | 4.0 | 230.7 |
| | | 5000.0 | 237.6 | 4.0 | 259.6 | 2.0 | 500.0 |
| 210.0 | 316.2 | 4.0 | 106.2 | 2.0 | 152.0 | 4.0 | 187.7 |
| | | 5000.0 | 189.8 | 4.0 | 217.5 | 5000.0 | 232.2 |
| | | 4.0 | 240.0 | 2.0 | 500.3 | | |
| 215.0 | 316.2 | 4.0 | 101.1 | 2.0 | 469.5 | 4.0 | 500.0 |
| 220.0 | 316.2 | 4.0 | 103.1 | 2.0 | 462.7 | 4.0 | 500.0 |
| 225.0 | 316.2 | 4.0 | 109.3 | 2.0 | 500.0 | | |
| 230.0 | 316.2 | 4.0 | 118.5 | 2.0 | 500.0 | | |
| 235.0 | 316.2 | 4.0 | 127.5 | 2.0 | 500.0 | | |
| 240.0 | 316.2 | 4.0 | 129.9 | 2.0 | 500.0 | | |
| 245.0 | 316.2 | 4.0 | 113.7 | 2.0 | 235.6 | 4.0 | 325.4 |
| | | 2.0 | 500.0 | | | | |
| 250.0 | 316.2 | 4.0 | 98.6 | 2.0 | 200.3 | 4.0 | 395.5 |
| | | 2.0 | 500.0 | | | | |
| 255.0 | 316.2 | 4.0 | 88.4 | 2.0 | 179.8 | 4.0 | 396.4 |
| | | 2.0 | 500.0 | | | | |
| 260.0 | 316.2 | 4.0 | 81.1 | 2.0 | 166.6 | 4.0 | 352.8 |
| | | 2.0 | 500.0 | | | | |
| 265.0 | 316.2 | 4.0 | 75.5 | 2.0 | 158.1 | 4.0 | 500.0 |
| 270.0 | 316.2 | 4.0 | 70.4 | 2.0 | 151.5 | 4.0 | 220.7 |
| | | 2.0 | 250.0 | 4.0 | 457.6 | 8.0 | 500.0 |
| 275.0 | 316.2 | 4.0 | 64.0 | 2.0 | 149.5 | 4.0 | 209.5 |
| | | 2.0 | 272.5 | 4.0 | 413.2 | 8.0 | 500.0 |
| 280.0 | 316.2 | 4.0 | 59.0 | 2.0 | 149.9 | 4.0 | 201.4 |
| | | 2.0 | 298.6 | 4.0 | 378.3 | 8.0 | 500.0 |
| 285.0 | 316.2 | 4.0 | 54.8 | 2.0 | 154.9 | 4.0 | 194.1 |
| | | 2.0 | 338.8 | 4.0 | 356.6 | 8.0 | 500.0 |
| 290.0 | 316.2 | 4.0 | 50.6 | 2.0 | 351.8 | 8.0 | 500.0 |
| 295.0 | 316.2 | 4.0 | 45.3 | 2.0 | 354.2 | 8.0 | 430.2 |
| | | 4.0 | 440.9 | 8.0 | 498.1 | 10.0 | 500.0 |
| 300.0 | 316.2 | 4.0 | 40.0 | 2.0 | 345.1 | 4.0 | 408.0 |
| | | 8.0 | 451.1 | 10.0 | 500.0 | | |
| 305.0 | 316.2 | 4.0 | 36.0 | 2.0 | 237.9 | 4.0 | 388.1 |
| | | 8.0 | 414.5 | 10.0 | 451.9 | 4.0 | 497.5 |
| | | 20.0 | 500.0 | | | | |
| 310.0 | 316.2 | 4.0 | 33.5 | 2.0 | 189.2 | 4.0 | 353.5 |
| | | 8.0 | 394.0 | 10.0 | 438.9 | 20.0 | 457.0 |
| | | 4.0 | 500.0 | | | | |

EXHIBIT 15-Q-1 (cont.)
Composite WIOV M-3 Ground Conductivity Data

| | | | | | |
|-----------------|-----------------|-----|----------|-----------------|-----------------|
| WIOV | 1240 kHz | Lic | ND1U | Facil. ID 55307 | 01-Jan-2007 |
| PA READING | | | 1.000 kW | 1 Tower | 0 Augmentations |
| N.Lat: 40 19 28 | W.Lon: 75 56 31 | | | | 0 Measured Cond |

| Bearing | Radiation | Region | | Region | | Region | |
|---------|-----------|--------|-------|--------|-------|--------|-------|
| | | Cond | Dist | Cond | Dist | Cond | Dist |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 315.0 | 316.2 | 4.0 | 31.5 | 2.0 | 161.5 | 4.0 | 350.6 |
| | | 8.0 | 383.2 | 10.0 | 405.9 | 20.0 | 481.0 |
| | | 4.0 | 500.0 | | | | |
| 320.0 | 316.2 | 4.0 | 30.0 | 2.0 | 144.1 | 4.0 | 349.3 |
| | | 8.0 | 376.6 | 10.0 | 377.3 | 20.0 | 423.5 |
| | | 15.0 | 464.3 | 10.0 | 499.5 | 4.0 | 500.0 |
| 325.0 | 316.2 | 4.0 | 28.8 | 2.0 | 134.2 | 4.0 | 343.2 |
| | | 8.0 | 434.2 | 15.0 | 463.3 | 6.0 | 500.0 |
| 330.0 | 316.2 | 4.0 | 28.2 | 2.0 | 125.0 | 4.0 | 301.6 |
| | | 8.0 | 421.6 | 15.0 | 459.0 | 6.0 | 500.0 |
| 335.0 | 316.2 | 4.0 | 28.0 | 2.0 | 113.1 | 4.0 | 318.3 |
| | | 8.0 | 403.6 | 15.0 | 446.3 | 6.0 | 500.0 |
| 340.0 | 316.2 | 4.0 | 28.1 | 2.0 | 98.8 | 4.0 | 350.6 |
| | | 8.0 | 387.6 | 15.0 | 436.4 | 6.0 | 486.4 |
| | | 4.0 | 500.0 | | | | |
| 345.0 | 316.2 | 4.0 | 28.4 | 2.0 | 87.9 | 4.0 | 341.1 |
| | | 8.0 | 377.2 | 15.0 | 413.3 | 4.0 | 413.6 |
| | | 15.0 | 419.0 | 4.0 | 500.0 | | |
| 350.0 | 316.2 | 4.0 | 28.9 | 2.0 | 81.6 | 4.0 | 344.2 |
| | | 8.0 | 377.5 | 15.0 | 424.1 | 4.0 | 426.5 |
| | | 15.0 | 429.4 | 10.0 | 445.1 | 4.0 | 500.0 |
| 355.0 | 316.2 | 4.0 | 29.7 | 2.0 | 78.6 | 4.0 | 355.5 |
| | | 8.0 | 421.2 | 15.0 | 436.9 | 10.0 | 466.3 |
| | | 4.0 | 500.0 | | | | |