



| | |
|------------------------------|-----------------|
| AP212 vs KANL.C | |
| AP212 212C 10kW 1885M AMSL | AP212 vs KANL.C |
| KANL.C 214A .75kW 1461M AMSL | - 07/02 |

07-01-2002 03 Sec. Terrain Data

AP212 BNPED20000303ABB
 Channel = 212C
 Max ERP = 10 kW
 RCAMSL = 1885 M
 N. Lat = 45 26 17
 W. Lng = 118 05 25

KANL.C
 Channel = 214A
 Max ERP = 0.75 kW
 RCAMSL = 1461 M
 N. Lat = 444558
 W. Lng = 1175254

Protected
 60 dBu

Interfering
 100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|--|----------------------|-------------|-------------|--------------|-----------------|
| 138.0 | 000.9834 | 1048.3 | 056.4 | | 033.0 | 000.7500 | 0422.8 | 039.1 | 59.6 |
| 139.0 | 000.9910 | 1048.1 | 056.5 | | 032.6 | 000.7500 | 0422.8 | 038.1 | 60.1 |
| 140.0 | 000.9986 | 1047.9 | 056.6 | | 032.2 | 000.7500 | 0422.8 | 037.1 | 60.5 |
| 141.0 | 000.9986 | 1047.5 | 056.6 | | 031.7 | 000.7500 | 0422.8 | 036.2 | 60.9 |
| 142.0 | 000.9986 | 1047.1 | 056.6 | | 031.2 | 000.7500 | 0422.7 | 035.3 | 61.4 |
| 143.0 | 000.9986 | 1046.7 | 056.5 | | 030.6 | 000.7500 | 0422.7 | 034.3 | 61.8 |
| 144.0 | 000.9986 | 1046.3 | 056.5 | | 029.9 | 000.7500 | 0422.7 | 033.4 | 62.2 |
| 145.0 | 000.9986 | 1045.9 | 056.5 | | 029.2 | 000.7500 | 0422.6 | 032.5 | 62.6 |
| 146.0 | 000.9986 | 1045.4 | 056.5 | | 028.4 | 000.7500 | 0422.4 | 031.7 | 63.1 |
| 147.0 | 000.9986 | 1044.9 | 056.5 | | 027.5 | 000.7500 | 0422.4 | 030.8 | 63.5 |
| 148.0 | 000.9986 | 1044.4 | 056.5 | | 026.6 | 000.7500 | 0422.5 | 030.0 | 64.0 |
| 149.0 | 000.9986 | 1043.8 | 056.5 | | 025.5 | 000.7500 | 0422.3 | 029.1 | 64.4 |
| 150.0 | 000.9986 | 1043.4 | 056.5 | | 024.4 | 000.7500 | 0422.3 | 028.3 | 64.9 |
| 151.0 | 001.0511 | 1042.8 | 057.0 | | 024.0 | 000.7500 | 0422.3 | 027.2 | 65.6 |
| 152.0 | 001.1049 | 1042.2 | 057.4 | | 023.5 | 000.7500 | 0422.4 | 026.2 | 66.3 |
| 153.0 | 001.1601 | 1041.7 | 057.9 | | 022.9 | 000.7500 | 0422.4 | 025.1 | 67.0 |
| 154.0 | 001.2166 | 1040.9 | 058.3 | | 022.1 | 000.7500 | 0422.4 | 024.0 | 67.8 |
| 155.0 | 001.2745 | 1040.1 | 058.8 | | 021.2 | 000.7500 | 0422.4 | 023.0 | 68.5 |
| 156.0 | 001.3337 | 1039.1 | 059.2 | | 020.1 | 000.7500 | 0422.4 | 022.0 | 69.3 |
| 157.0 | 001.3943 | 1038.0 | 059.6 | | 018.8 | 000.7500 | 0422.4 | 021.0 | 70.1 |
| 158.0 | 001.4562 | 1037.0 | 060.0 | | 017.4 | 000.7500 | 0422.6 | 020.0 | 70.8 |
| 159.0 | 001.5194 | 1035.8 | 060.4 | | 015.6 | 000.7500 | 0422.8 | 019.0 | 71.6 |
| 160.0 | 001.5840 | 1034.4 | 060.8 | | 013.7 | 000.7500 | 0423.3 | 018.1 | 72.3 |
| 161.0 | 001.6233 | 1032.9 | 061.0 | | 011.1 | 000.7500 | 0424.5 | 017.3 | 73.0 |
| 162.0 | 001.6630 | 1030.9 | 061.2 | | 008.3 | 000.7500 | 0428.7 | 016.7 | 73.6 |
| 163.0 | 001.7032 | 1028.6 | 061.4 | | 005.2 | 000.7500 | 0435.6 | 016.1 | 74.3 |
| 164.0 | 001.7439 | 1026.3 | 061.6 | | 001.7 | 000.7500 | 0431.0 | 015.5 | 74.6 |
| 165.0 | 001.7851 | 1023.5 | 061.7 | | 358.0 | 000.7500 | 0432.3 | 015.1 | 75.0 |
| 166.0 | 001.8267 | 1020.1 | 061.9 | | 354.1 | 000.7500 | 0435.7 | 014.7 | 75.3 |
| 167.0 | 001.8688 | 1015.0 | 062.0 | | 349.9 | 000.7500 | 0435.1 | 014.5 | 75.6 |
| 168.0 | 001.9114 | 1008.4 | 062.1 | | 345.6 | 000.7500 | 0429.4 | 014.4 | 75.6 |
| 169.0 | 001.9545 | 1002.6 | 062.2 | | 341.3 | 000.7500 | 0419.1 | 014.4 | 75.4 |
| 170.0 | 001.9981 | 0998.8 | 062.4 | | 336.9 | 000.7500 | 0410.8 | 014.4 | 75.2 |
| 171.0 | 001.9981 | 0994.7 | 062.3 | | 332.9 | 000.7500 | 0402.8 | 014.8 | 74.6 |
| 172.0 | 001.9981 | 0988.0 | 062.2 | | 329.2 | 000.7500 | 0395.0 | 015.3 | 74.0 |
| 173.0 | 001.9981 | 0978.8 | 062.0 | | 325.9 | 000.7500 | 0386.7 | 015.9 | 73.2 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|--|----------------------|-------------|-------------|--------------|-----------------|
| 174.0 | 001.9981 | 0965.7 | 061.7 | | 323.1 | 000.7500 | 0375.0 | 016.7 | 72.3 |
| 175.0 | 001.9981 | 0958.9 | 061.6 | | 320.3 | 000.7500 | 0353.3 | 017.4 | 71.2 |
| 176.0 | 001.9981 | 0954.6 | 061.5 | | 317.7 | 000.7500 | 0336.2 | 018.1 | 70.2 |
| 177.0 | 001.9981 | 0950.7 | 061.4 | | 315.3 | 000.7500 | 0310.2 | 018.8 | 68.9 |
| 178.0 | 001.9981 | 0948.9 | 061.4 | | 313.1 | 000.7500 | 0293.1 | 019.6 | 67.8 |
| 179.0 | 001.9981 | 0946.2 | 061.3 | | 311.1 | 000.7500 | 0274.9 | 020.4 | 66.7 |
| 180.0 | 001.9981 | 0941.1 | 061.2 | | 309.4 | 000.7500 | 0263.3 | 021.3 | 65.6 |
| 181.0 | 002.1031 | 0934.8 | 061.6 | | 306.8 | 000.7500 | 0244.5 | 021.9 | 64.5 |
| 182.0 | 002.2109 | 0927.0 | 061.9 | | 304.6 | 000.7500 | 0208.5 | 022.6 | 62.6 |
| 183.0 | 002.3213 | 0916.7 | 062.2 | | 302.6 | 000.7500 | 0150.5 | 023.4 | 59.1 |
| 184.0 | 002.4344 | 0904.1 | 062.4 | | 300.9 | 000.7500 | 0091.7 | 024.3 | 54.1 |
| 185.0 | 002.5502 | 0890.7 | 062.6 | | 299.5 | 000.7500 | 0035.7 | 025.2 | 45.1 |
| 186.0 | 002.6688 | 0873.0 | 062.6 | | 298.4 | 000.7500 | 0004.7 | 026.2 | 43.2 |
| 187.0 | 002.7900 | 0846.0 | 062.4 | | 298.0 | 000.7500 | 0004.7 | 027.3 | 42.5 |
| 188.0 | 002.9138 | 0819.0 | 062.1 | | 297.8 | 000.7500 | 0004.7 | 028.4 | 41.8 |
| 189.0 | 003.0404 | 0791.5 | 061.8 | | 297.7 | 000.7500 | 0004.7 | 029.5 | 41.2 |
| 190.0 | 003.1697 | 0761.4 | 061.3 | | 298.0 | 000.7500 | 0004.7 | 030.7 | 40.7 |
| 191.0 | 003.3351 | 0733.1 | 060.9 | | 298.0 | 000.7500 | 0004.7 | 031.8 | 40.2 |
| 192.0 | 003.5046 | 0714.8 | 060.8 | | 297.7 | 000.7500 | 0004.7 | 032.9 | 39.8 |
| 193.0 | 003.6784 | 0700.1 | 060.9 | | 297.2 | 000.7500 | -0015.0 | 033.9 | 39.4 |
| 194.0 | 003.8564 | 0680.5 | 060.7 | | 297.1 | 000.7500 | -0015.0 | 035.0 | 39.0 |
| 195.0 | 004.0386 | 0663.2 | 060.5 | | 297.0 | 000.7500 | -0015.0 | 036.0 | 38.6 |
| 196.0 | 004.2250 | 0644.4 | 060.3 | | 296.9 | 000.7500 | -0015.0 | 037.1 | 38.2 |
| 197.0 | 004.4156 | 0627.6 | 060.2 | | 296.9 | 000.7500 | -0015.0 | 038.1 | 37.9 |
| 198.0 | 004.6104 | 0622.5 | 060.4 | | 296.3 | 000.7500 | -0033.1 | 039.1 | 37.6 |

KANL.C
 Channel = 214A
 Max ERP = 0.75 kW
 RCAMSL = 1461 M
 N. Lat = 444558
 W. Lng = 1175254

AP212 BNPED20000303ABB
 Channel = 212C
 Max ERP = 10 kW
 RCAMSL = 1885 M
 N. Lat = 45 26 17
 W. Lng = 118 05 25

Protected
 60 dBu

Interfering
 100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|--|----------------------|-------------|-------------|--------------|-----------------|
| 318.0 | 000.7500 | 0336.2 | 030.9 | | 184.7 | 002.5189 | 0890.7 | 051.9 | 67.0 |
| 319.0 | 000.7500 | 0344.5 | 031.4 | | 184.7 | 002.5140 | 0890.7 | 051.2 | 67.2 |
| 320.0 | 000.7500 | 0353.3 | 031.8 | | 184.6 | 002.5031 | 0890.7 | 050.5 | 67.5 |
| 321.0 | 000.7500 | 0361.9 | 032.2 | | 184.5 | 002.4873 | 0904.1 | 049.8 | 67.8 |
| 322.0 | 000.7500 | 0370.1 | 032.6 | | 184.3 | 002.4654 | 0904.1 | 049.2 | 68.0 |
| 323.0 | 000.7500 | 0375.0 | 032.8 | | 183.9 | 002.4266 | 0904.1 | 048.6 | 68.1 |
| 324.0 | 000.7500 | 0379.5 | 032.9 | | 183.5 | 002.3831 | 0904.1 | 048.1 | 68.2 |
| 325.0 | 000.7500 | 0383.3 | 033.1 | | 183.1 | 002.3351 | 0916.7 | 047.6 | 68.4 |
| 326.0 | 000.7500 | 0386.7 | 033.2 | | 182.7 | 002.2837 | 0916.7 | 047.2 | 68.5 |
| 327.0 | 000.7500 | 0389.7 | 033.3 | | 182.2 | 002.2298 | 0927.0 | 046.8 | 68.7 |
| 328.0 | 000.7500 | 0392.4 | 033.4 | | 181.7 | 002.1733 | 0927.0 | 046.3 | 68.7 |
| 329.0 | 000.7500 | 0395.0 | 033.5 | | 181.1 | 002.1152 | 0934.8 | 045.9 | 68.8 |
| 330.0 | 000.7500 | 0397.0 | 033.6 | | 180.5 | 002.0542 | 0934.8 | 045.6 | 68.8 |
| 331.0 | 000.7500 | 0398.7 | 033.7 | | 179.9 | 001.9981 | 0941.1 | 045.2 | 68.9 |
| 332.0 | 000.7500 | 0400.7 | 033.8 | | 179.3 | 001.9981 | 0946.2 | 044.9 | 69.1 |
| 333.0 | 000.7500 | 0402.8 | 033.8 | | 178.7 | 001.9981 | 0946.2 | 044.5 | 69.2 |
| 334.0 | 000.7500 | 0404.9 | 033.9 | | 178.0 | 001.9981 | 0948.9 | 044.2 | 69.3 |
| 335.0 | 000.7500 | 0407.0 | 034.0 | | 177.4 | 001.9981 | 0950.7 | 043.9 | 69.5 |
| 336.0 | 000.7500 | 0408.9 | 034.1 | | 176.7 | 001.9981 | 0950.7 | 043.6 | 69.6 |
| 337.0 | 000.7500 | 0410.8 | 034.2 | | 176.0 | 001.9981 | 0954.6 | 043.3 | 69.7 |
| 338.0 | 000.7500 | 0412.6 | 034.2 | | 175.3 | 001.9981 | 0958.9 | 043.1 | 69.9 |
| 339.0 | 000.7500 | 0414.7 | 034.3 | | 174.5 | 001.9981 | 0958.9 | 042.8 | 70.0 |
| 340.0 | 000.7500 | 0416.9 | 034.4 | | 173.8 | 001.9981 | 0965.7 | 042.6 | 70.1 |
| 341.0 | 000.7500 | 0419.1 | 034.5 | | 173.0 | 001.9981 | 0978.8 | 042.4 | 70.3 |
| 342.0 | 000.7500 | 0421.2 | 034.6 | | 172.2 | 001.9981 | 0988.0 | 042.2 | 70.5 |
| 343.0 | 000.7500 | 0423.1 | 034.6 | | 171.4 | 001.9981 | 0994.7 | 042.0 | 70.6 |
| 344.0 | 000.7500 | 0425.1 | 034.7 | | 170.6 | 001.9981 | 0994.7 | 041.9 | 70.7 |
| 345.0 | 000.7500 | 0427.2 | 034.8 | | 169.8 | 001.9905 | 0998.8 | 041.7 | 70.8 |
| 346.0 | 000.7500 | 0429.4 | 034.9 | | 169.0 | 001.9545 | 1002.6 | 041.6 | 70.8 |
| 347.0 | 000.7500 | 0431.6 | 035.0 | | 168.2 | 001.9185 | 1008.4 | 041.5 | 70.8 |
| 348.0 | 000.7500 | 0433.6 | 035.1 | | 167.3 | 001.8824 | 1015.0 | 041.4 | 70.8 |
| 349.0 | 000.7500 | 0435.3 | 035.1 | | 166.5 | 001.8464 | 1020.1 | 041.3 | 70.8 |
| 350.0 | 000.7500 | 0435.1 | 035.1 | | 165.6 | 001.8109 | 1020.1 | 041.4 | 70.7 |
| 351.0 | 000.7500 | 0435.4 | 035.1 | | 164.8 | 001.7758 | 1023.5 | 041.4 | 70.6 |
| 352.0 | 000.7500 | 0436.9 | 035.2 | | 163.9 | 001.7408 | 1026.3 | 041.4 | 70.6 |
| 353.0 | 000.7500 | 0437.3 | 035.2 | | 163.1 | 001.7065 | 1028.6 | 041.5 | 70.5 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|--|----------------------|-------------|-------------|--------------|-----------------|
| 354.0 | 000.7500 | 0435.7 | 035.2 | | 162.3 | 001.6737 | 1030.9 | 041.7 | 70.3 |
| 355.0 | 000.7500 | 0434.2 | 035.1 | | 161.5 | 001.6417 | 1032.9 | 041.9 | 70.2 |
| 356.0 | 000.7500 | 0434.1 | 035.1 | | 160.7 | 001.6097 | 1032.9 | 042.0 | 70.0 |
| 357.0 | 000.7500 | 0433.6 | 035.1 | | 159.9 | 001.5751 | 1034.4 | 042.2 | 69.9 |
| 358.0 | 000.7500 | 0432.3 | 035.0 | | 159.1 | 001.5257 | 1035.8 | 042.5 | 69.6 |
| 359.0 | 000.7500 | 0431.6 | 035.0 | | 158.3 | 001.4773 | 1037.0 | 042.7 | 69.4 |
| 000.0 | 000.7500 | 0430.8 | 035.0 | | 157.6 | 001.4309 | 1037.0 | 043.0 | 69.2 |
| 001.0 | 000.7500 | 0430.5 | 034.9 | | 156.9 | 001.3853 | 1038.0 | 043.2 | 68.9 |
| 002.0 | 000.7500 | 0431.0 | 035.0 | | 156.1 | 001.3403 | 1039.1 | 043.5 | 68.7 |
| 003.0 | 000.7500 | 0433.3 | 035.1 | | 155.3 | 001.2943 | 1040.1 | 043.7 | 68.5 |
| 004.0 | 000.7500 | 0434.1 | 035.1 | | 154.6 | 001.2518 | 1040.1 | 043.9 | 68.2 |
| 005.0 | 000.7500 | 0435.6 | 035.1 | | 153.9 | 001.2098 | 1040.9 | 044.2 | 68.0 |
| 006.0 | 000.7500 | 0435.3 | 035.1 | | 153.2 | 001.1722 | 1041.7 | 044.5 | 67.7 |
| 007.0 | 000.7500 | 0432.2 | 035.0 | | 152.7 | 001.1406 | 1041.7 | 045.0 | 67.4 |
| 008.0 | 000.7500 | 0428.7 | 034.9 | | 152.1 | 001.1113 | 1042.2 | 045.4 | 67.2 |
| 009.0 | 000.7500 | 0426.6 | 034.8 | | 151.6 | 001.0814 | 1042.2 | 045.8 | 66.9 |
| 010.0 | 000.7500 | 0425.3 | 034.7 | | 151.0 | 001.0516 | 1042.8 | 046.3 | 66.6 |
| 011.0 | 000.7500 | 0424.5 | 034.7 | | 150.5 | 001.0225 | 1043.4 | 046.7 | 66.3 |
| 012.0 | 000.7500 | 0424.1 | 034.7 | | 149.9 | 000.9986 | 1043.4 | 047.1 | 66.1 |
| 013.0 | 000.7500 | 0423.7 | 034.7 | | 149.4 | 000.9986 | 1043.8 | 047.5 | 65.9 |
| 014.0 | 000.7500 | 0423.3 | 034.7 | | 148.9 | 000.9986 | 1043.8 | 047.9 | 65.8 |
| 015.0 | 000.7500 | 0423.0 | 034.6 | | 148.4 | 000.9986 | 1044.4 | 048.4 | 65.6 |
| 016.0 | 000.7500 | 0422.8 | 034.6 | | 147.9 | 000.9986 | 1044.4 | 048.8 | 65.4 |
| 017.0 | 000.7500 | 0422.6 | 034.6 | | 147.4 | 000.9986 | 1044.9 | 049.3 | 65.3 |
| 018.0 | 000.7500 | 0422.4 | 034.6 | | 147.0 | 000.9986 | 1044.9 | 049.8 | 65.1 |