

Powerline30.nec

CM Complex Power Line Model
CM Excitation Point 1
CM 30 MHZ
CM NTIA 2004
CE

CW 1 119 -298 -34 12 -235 -22 12 0.0063 3 64.90226708
CW 2 125 -235 -22 12 -168 -12 12 0.0063 3 68.55506412
CW 3 135 -168 -12 12 -96 -4 12 0.0063 3 73.31239808
CW 4 111 -96 -4 12 -36 0 12 0.0063 3 60.85478374
CW 5 67 -36 0 12 0 0 12 0.0063 3 36.432
CW 6 67 0 0 12 0 -36 12 0.0063 3 36.432
CW 7 107 0 -36 12 -2 -94 12 0.0063 3 58.73088618
CW 8 81 -2 -94 12 -44 -83 12 0.0063 3 43.93758573
CW 9 109 -44 -83 12 -89 -120 12 0.0063 3 58.95714321
CW 10 37 -2 -94 12 18 -96 12 0.0063 3 20.34094826
CW 11 91 0 0 12 2 49 12 0.0063 3 49.62928893
CW 12 107 2 49 12 -14 104 12 0.0063 3 57.96737413
CW 13 105 -14 104 12 1 158 12 0.0063 3 56.71716058
CW 14 93 1 158 12 19 205 12 0.0063 3 50.93286515
CW 15 99 19 205 12 28 258 12 0.0063 3 54.40382487
CW 16 105 28 258 12 30 315 12 0.0063 3 57.71949785
CW 17 119 -298 -34 11.4 -235 -22 11.4 0.0063 3 64.90226708
CW 18 125 -235 -22 11.4 -168 -12 11.4 0.0063 3 68.55506412
CW 19 135 -168 -12 11.4 -96 -4 11.4 0.0063 3 73.31239808
CW 20 111 -96 -4 11.4 -36 0 11.4 0.0063 3 60.85478374
CW 21 67 -36 0 11.4 0 0 11.4 0.0063 3 36.432
CW 22 67 0 0 11.4 0 -36 11.4 0.0063 3 36.432
CW 23 107 0 -36 11.4 -2 -94 11.4 0.0063 3 58.73088618
CW 24 81 -2 -94 11.4 -44 -83 11.4 0.0063 3 43.93758573
CW 25 109 -44 -83 11.4 -89 -120 11.4 0.0063 3 58.95714321
CW 26 37 -2 -94 11.4 18 -96 11.4 0.0063 3 20.34094826
CW 27 91 0 0 11.4 2 49 11.4 0.0063 3 49.62928893
CW 28 107 2 49 11.4 -14 104 11.4 0.0063 3 57.96737413
CW 29 105 -14 104 11.4 0.04829 158.31 11.7 0.0063 3 56.77149123
CW 30 93 0.04829 158.31 11.7 19 205 11.4 0.0063 3 50.99529567
CW 31 99 19 205 11.4 28 258 11.4 0.0063 3 54.40382487
CW 32 105 28 258 11.4 30 315 11.4 0.0063 3 57.71949785
CW 33 119 -298 -34 10.8 -235 -22 10.8 0.0063 3 64.90226708
CW 34 125 -235 -22 10.8 -168 -12 10.8 0.0063 3 68.55506412
CW 35 135 -168 -12 10.8 -96 -4 10.8 0.0063 3 73.31239808
CW 36 111 -96 -4 10.8 -36 0 10.8 0.0063 3 60.85478374
CW 37 33 -36 0 10.8 -37 17 10.85 0.0063 3 17.23381329
CW 38 67 -36 0 10.8 0 0 10.8 0.0063 3 36.432
CW 39 67 0 0 10.8 0 -36 10.8 0.0063 3 36.432
CW 40 107 0 -36 10.8 -2 -94 10.8 0.0063 3 58.73088618
CW 41 81 -2 -94 10.8 -44 -83 10.8 0.0063 3 43.93758573
CW 42 109 -44 -83 10.8 -89 -120 10.8 0.0063 3 58.95714321
CW 43 37 -2 -94 10.8 18 -96 10.8 0.0063 3 20.34094826
CW 44 91 0 0 10.8 2 49 10.8 0.0063 3 49.62928893
CW 45 107 2 49 10.8 -14 104 10.8 0.0063 3 57.96737413
CW 46 105 -14 104 10.8 1.9517 157.69 11.7 0.0063 3 56.68901019
CW 47 93 1.9517 157.69 11.7 19 205 10.8 0.0063 3 50.89958235
CW 48 99 19 205 10.8 28 258 10.8 0.0063 3 54.40382487
CW 49 105 28 258 10.8 30 315 10.8 0.0063 3 57.71949785
CW 50 119 -298 -34 9.6 -235 -22 9.6 0.0063 3 64.90226708
CW 51 125 -235 -22 9.6 -168 -12 9.6 0.0063 3 68.55506412
CW 52 135 -168 -12 9.6 -96 -4 9.6 0.0063 3 73.31239808
CW 53 111 -96 -4 9.6 -36 0 9.6 0.0063 3 60.85478374
CW 54 33 -36 0 9.6 -37 17 7.5 0.0063 3 17.36428044
CW 55 67 -36 0 9.6 0 0 9.6 0.0063 3 36.432
CW 56 67 0 0 9.6 0 -36 9.6 0.0063 3 36.432
CW 57 107 0 -36 9.6 -2 -94 9.6 0.0063 3 58.73088618
CW 58 81 -2 -94 9.6 -44 -83 9.6 0.0063 3 43.93758573

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CW 59 109 -44 -83 9.6 -89 -120 9.6 0.0063 3 58.95714321
CW 60 37 -2 -94 9.6 18 -96 9.6 0.0063 3 20.34094826
CW 61 91 0 0 9.6 2 49 9.6 0.0063 3 49.62928893
CW 62 107 2 49 9.6 -14 104 9.6 0.0063 3 57.96737413
CW 63 105 -14 104 9.6 1 158 9.6 0.0063 3 56.71716058
CW 64 93 1 158 9.6 19 205 9.6 0.0063 3 50.93286515
CW 65 99 19 205 9.6 28 258 9.6 0.0063 3 54.40382487
CW 66 105 28 258 9.6 30 315 9.6 0.0063 3 57.71949785
GW 67 19 -235 -22 9.6 -235 -22 0 0.0063
GW 68 19 -168 -12 9.6 -168 -12 0 0.0063
GW 69 19 -96 -4 9.6 -96 -4 0 0.0063
GW 70 15 -37 17 7.5 -37 17 0 0.0063
GW 71 19 2 49 9.6 2 49 0 0.0063
GW 72 19 28 258 9.6 28 258 0 0.0063
GW 73 19 -89 -120 9.6 -89 -120 0 0.0063
GW 74 7 -235 -22 0 -235 -22 -3 0.0063
GW 75 7 -168 -12 0 -168 -12 -3 0.0063
GW 76 7 -96 -4 0 -96 -4 -3 0.0063
GW 77 7 -37 17 0 -37 17 -3 0.0063
GW 78 7 2 49 0 2 49 -3 0.0063
GW 79 7 28 258 0 28 258 -3 0.0063
GW 80 7 -89 -120 0 -89 -120 -3 0.0063
GW 81 7 1.02 158.04 0 1.02 158.04 3 0.0063
GW 82 7 0.97 158.04 0 0.97 158.04 3 0.0063
GW 83 7 0.945 158 0 0.945 158 3 0.0063
GW 84 7 0.97 157.95 0 0.97 157.95 3 0.0063
GW 85 7 1.02 157.95 0 1.02 157.95 3 0.0063
GW 86 7 1.045 158 0 1.045 158 3 0.0063
GW 87 7 1.02 158.04 3 1.02 158.04 6 0.0063
GW 88 7 0.97 158.04 3 0.97 158.04 6 0.0063
GW 89 7 0.945 158 3 0.945 158 6 0.0063
GW 90 7 0.97 157.95 3 0.97 157.95 6 0.0063
GW 91 7 1.02 157.95 3 1.02 157.95 6 0.0063
GW 92 7 1.045 158 3 1.045 158 6 0.0063
GW 93 7 1.02 158.04 6 1.02 158.04 9 0.0063
GW 94 7 0.97 158.04 6 0.97 158.04 9 0.0063
GW 95 7 0.945 158 6 0.945 158 9 0.0063
GW 96 7 0.97 157.95 6 0.97 157.95 9 0.0063
GW 97 7 1.02 157.95 6 1.02 157.95 9 0.0063
GW 98 7 1.045 158 6 1.045 158 9 0.0063
GW 99 7 1.02 158.04 0 1.02 158.04 -3 0.0063
GW 100 7 0.97 158.04 0 0.97 158.04 -3 0.0063
GW 101 7 0.945 158 0 0.945 158 -3 0.0063
GW 102 7 0.97 157.95 0 0.97 157.95 -3 0.0063
GW 103 7 1.02 157.95 0 1.02 157.95 -3 0.0063
GW 104 7 1.045 158 0 1.045 158 -3 0.0063
GW 105 7 0.02 -35.96 0 0.02 -35.96 3 0.0063
GW 106 7 -0.03 -35.96 0 -0.03 -35.96 3 0.0063
GW 107 7 -0.055 -36 0 -0.055 -36 3 0.0063
GW 108 7 -0.03 -36.05 0 -0.03 -36.05 3 0.0063
GW 109 7 0.02 -36.05 0 0.02 -36.05 3 0.0063
GW 110 7 0.045 -36 0 0.045 -36 3 0.0063
GW 111 7 0.02 -35.96 3 0.02 -35.96 6 0.0063
GW 112 7 -0.03 -35.96 3 -0.03 -35.96 6 0.0063
GW 113 7 -0.055 -36 3 -0.055 -36 6 0.0063
GW 114 7 -0.03 -36.05 3 -0.03 -36.05 6 0.0063
GW 115 7 0.02 -36.05 3 0.02 -36.05 6 0.0063
GW 116 7 0.045 -36 3 0.045 -36 6 0.0063
GW 117 7 0.02 -35.96 6 0.02 -35.96 9 0.0063
GW 118 7 -0.03 -35.96 6 -0.03 -35.96 9 0.0063
GW 119 7 -0.03 -36.05 6 -0.03 -36.05 9 0.0063
GW 120 7 0.02 -36.05 6 0.02 -36.05 9 0.0063
GW 121 7 0.045 -36 6 0.045 -36 9 0.0063

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GW 122 7 0.02 -35.96 0 0.02 -35.96 -3 0.0063
GW 123 7 -0.03 -35.96 0 -0.03 -35.96 -3 0.0063
GW 124 7 -0.055 -36 0 -0.055 -36 -3 0.0063
GW 125 7 -0.03 -36.05 0 -0.03 -36.05 -3 0.0063
GW 126 7 0.02 -36.05 0 0.02 -36.05 -3 0.0063
GW 127 7 0.045 -36 0 0.045 -36 -3 0.0063
GW 128 7 18.2 -95.96 6 18.2 -95.96 9 0.0063
GW 129 7 18.15 -95.96 6 18.15 -95.96 9 0.0063
GW 130 7 18.125 -96 6 18.125 -96 9 0.0063
GW 131 7 18.15 -96.05 6 18.15 -96.05 9 0.0063
GW 132 7 18.2 -96.05 6 18.2 -96.05 9 0.0063
GW 133 7 18.225 -96 6 18.225 -96 9 0.0063
GW 134 7 18.2 -95.96 3 18.2 -95.96 6 0.0063
GW 135 7 18.15 -95.96 3 18.15 -95.96 6 0.0063
GW 136 7 18.125 -96 3 18.125 -96 6 0.0063
GW 137 7 18.15 -96.05 3 18.15 -96.05 6 0.0063
GW 138 7 18.2 -96.05 3 18.2 -96.05 6 0.0063
GW 139 7 18.225 -96 3 18.225 -96 6 0.0063
GW 140 7 18.2 -95.96 0 18.2 -95.96 3 0.0063
GW 141 7 18.15 -95.96 0 18.15 -95.96 3 0.0063
GW 142 7 18.125 -96 0 18.125 -96 3 0.0063
GW 143 7 18.15 -96.05 0 18.15 -96.05 3 0.0063
GW 144 7 18.2 -96.05 0 18.2 -96.05 3 0.0063
GW 145 7 18.225 -96 0 18.225 -96 3 0.0063
GW 146 7 18.15 -95.96 0 18.15 -95.96 -3 0.0063
GW 147 7 18.125 -96 0 18.125 -96 -3 0.0063
GW 148 7 18.15 -96.05 0 18.15 -96.05 -3 0.0063
GW 149 7 18.2 -96.05 0 18.2 -96.05 -3 0.0063
GW 150 7 18.225 -96 0 18.225 -96 -3 0.0063
GW 151 7 18.2 -95.96 0 18.2 -95.96 -3 0.0063
GW 152 7 18.175 -96 0 18.175 -96 -3 0.0063
GW 153 7 0 -36 0 0 -36 3 0.0063
GW 154 7 0 -36 3 0 -36 6 0.0063
GW 155 7 0 -36 6 0 -36.005 9 0.0063
GW 156 7 0 -36 0 0 -36 -3 0.0063
GW 157 7 0.9983 158 0 0.9983 158 3 0.0063
GW 158 7 0.9983 158 3 0.9983 158 6 0.0063
GW 159 7 0.9983 158 6 0.9983 158 9 0.0063
GW 160 7 0.9983 158 0 0.9983 158 -3 0.0063
GW 161 7 18.175 -96 6 18.175 -96 9 0.0063
GW 162 7 18.175 -96 3 18.175 -96 6 0.0063
GW 163 7 18.175 -96 0 18.175 -96 3 0.0063
GW 164 7 -298.125 -33.975 6 -298.125 -33.975 9 0.0063
GW 165 7 -298.175 -33.975 6 -298.175 -33.975 9 0.0063
GW 166 7 -298.2 -34.015 6 -298.2 -34.015 9 0.0063
GW 167 7 -298.175 -34.065 6 -298.175 -34.065 9 0.0063
GW 168 7 -298.125 -34.065 6 -298.125 -34.065 9 0.0063
GW 169 7 -298.1 -34.015 6 -298.1 -34.015 9 0.0063
GW 170 7 -298.125 -33.975 3 -298.125 -33.975 6 0.0063
GW 171 7 -298.175 -33.975 3 -298.175 -33.975 6 0.0063
GW 172 7 -298.2 -34.015 3 -298.2 -34.015 6 0.0063
GW 173 7 -298.175 -34.065 3 -298.175 -34.065 6 0.0063
GW 174 7 -298.125 -34.065 3 -298.125 -34.065 6 0.0063
GW 175 7 -298.1 -34.015 3 -298.1 -34.015 6 0.0063
GW 176 7 -298.125 -33.975 0 -298.125 -33.975 3 0.0063
GW 177 7 -298.175 -33.975 0 -298.175 -33.975 3 0.0063
GW 178 7 -298.2 -34.015 0 -298.2 -34.015 3 0.0063
GW 179 7 -298.175 -34.065 0 -298.175 -34.065 3 0.0063
GW 180 7 -298.125 -34.065 0 -298.125 -34.065 3 0.0063
GW 181 7 -298.1 -34.015 0 -298.1 -34.015 3 0.0063
GW 182 7 -298.175 -33.975 0 -298.175 -33.975 -3 0.0063
GW 183 7 -298.2 -34.015 0 -298.2 -34.015 -3 0.0063
GW 184 7 -298.175 -34.065 0 -298.175 -34.065 -3 0.0063

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GW 185 7 -298.125 -34.065 0 -298.125 -34.065 -3 0.0063
GW 186 7 -298.1 -34.015 0 -298.1 -34.015 -3 0.0063
GW 187 7 -298.125 -33.975 0 -298.125 -33.975 -3 0.0063
GW 188 7 -298.15 -34.015 0 -298.15 -34.015 -3 0.0063
GW 189 7 -298.15 -34.015 6 -298.15 -34.015 9 0.0063
GW 190 7 -298.15 -34.015 3 -298.15 -34.015 6 0.0063
GW 191 7 -298.15 -34.015 0 -298.15 -34.015 3 0.0063
GW 192 7 -37 17 7.5 -37 17 10.85 0.0063
GW 193 3 -96 -4 9.6 -96 -4.55 10.8 0.0063
GW 194 3 -96 -4 11.4 -96 -4.55 10.8 0.0063
GW 195 3 -168 -12 9.6 -168 -12.5 10.75 0.0063
GW 196 3 -168 -12 12 -168 -12.5 10.75 0.0063
GW 197 3 -235 -22 9.6 -235 -22 10.8 0.0063
GW 198 3 -89 -120 11.4 -89.25 -120.25 10.5 0.0063
GW 199 3 -89 -120 9.6 -89.25 -120.25 10.5 0.0063
GW 200 3 2 49 10.8 2 49 9.6 0.0063
GW 201 3 28 258 9.6 28.5 258 10.75 0.0063
GW 202 3 28 258 12 28.5 258 10.75 0.0063
GW 203 7 -0.055 -36 6 -0.055 -36 9 0.0063
GW 204 3 1.75 157.75 10.8 1.9517 157.69 11.7 0.0063
GW 205 7 0.5102 157.65 10.8 0.04829 158.31 11.7 0.0063
GW 206 13 1 158 12 0.95 158.25 9.6 0.0063
GW 207 3 0.95 158.25 9.6 0.9983 158 9 0.0063
GW 208 11 0.5102 157.65 10.8 0.9983 158 9 0.0063
GW 209 11 1.75 157.75 10.8 0.9983 158 9 0.0063
GW 210 3 0 -36 10.8 0.32 -35.7 10.3 0.0063
GW 211 7 0 -36 12 0.35 -36.3 10.35 0.0063
GW 212 5 0 -36 11.4 -0.35 -36 10.35 0.0063
GW 213 7 0.32 -35.7 10.3 0 -36.005 9 0.0063
GW 214 7 0.35 -36.3 10.35 0 -36.005 9 0.0063
GW 215 7 -0.35 -36 10.35 0 -36.005 9 0.0063
GW 216 3 18.125 -96 9 18 -96 9.6 0.0063
GW 217 7 18 -96 10.8 18.1 -95.75 9.6 0.0063
GW 218 9 18 -96 11.4 18.35 -96 9.6 0.0063
GW 219 3 18.35 -96 9.6 18.175 -96 9 0.0063
GW 220 13 18 -96 12 18.125 -96.25 9.6 0.0063
GW 221 3 18.125 -96.25 9.6 18.175 -96 9 0.0063
GW 222 3 -298.1 -34.015 9 -298 -34 9.6 0.0063
GW 223 7 -298 -34 10.8 -298.075 -34.15 9.6 0.0063
GW 224 9 -298 -34 11.4 -298.25 -34 9.6 0.0063
GW 225 13 -298 -34 12 -298.075 -33.875 9.6 0.0063
GW 226 3 -298.075 -34.15 9.6 -298.15 -34.015 9 0.0063
GW 227 3 -298.25 -34 9.6 -298.15 -34.015 9 0.0063
GW 228 3 -298.075 -33.875 9.6 -298.15 -34.015 9 0.0063
GW 229 3 18.175 -96 9 18.1 -95.75 9.6 0.0063

GE -1
LD 0 192 1 1 3 0.005
LD 0 193 1 1 3 0.005
LD 0 195 1 1 3 0.005
LD 0 197 1 1 3 0.005
LD 0 199 1 1 3 0.005
LD 0 200 1 1 3 0.005
LD 0 201 1 1 3 0.005
LD 0 213 6 6 30 0
LD 0 214 6 6 30 0
LD 0 215 6 6 30 0
LD 0 207 2 2 30 0
LD 0 208 10 10 30 0
LD 0 209 10 10 30 0
LD 0 219 2 2 30 0
LD 0 221 2 2 30 0
LD 0 226 2 2 30 0
LD 0 227 2 2 30 0

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LD 0 228 2 2 30 0
LD 0 229 2 2 30 0
LD 5 0 0 0 58000000
GN 2 0 0 0 15 0.005
FR 0 1 0 0 30.000 0
EX 0 15 1 0 1 0
EN
CM Complex Power Line Model
CM Excitation Point 2
CM 30 MHz
CM NTIA 2004
CE
CW 1 119 -298 -34 12 -235 -22 12 0.0063 3 64.90226708
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CW 27 91 0 0 11.4 2 49 11.4 0.0063 3 49.62928893
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CW 37 33 -36 0 10.8 -37 17 10.85 0.0063 3 17.23381329
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CW 45 107 2 49 10.8 -14 104 10.8 0.0063 3 57.96737413
CW 46 105 -14 104 10.8 1.9517 157.69 11.7 0.0063 3 56.68901019
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CW 54 33 -36 0 9.6 -37 17 7.5 0.0063 3 17.36428044
CW 55 67 -36 0 9.6 0 0 9.6 0.0063 3 36.432
CW 56 67 0 0 9.6 0 -36 9.6 0.0063 3 36.432
CW 57 107 0 -36 9.6 -2 -94 9.6 0.0063 3 58.73088618
CW 58 81 -2 -94 9.6 -44 -83 9.6 0.0063 3 43.93758573
CW 59 109 -44 -83 9.6 -89 -120 9.6 0.0063 3 58.95714321
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CW 61 91 0 0 9.6 2 49 9.6 0.0063 3 49.62928893
CW 62 107 2 49 9.6 -14 104 9.6 0.0063 3 57.96737413
CW 63 105 -14 104 9.6 1 158 9.6 0.0063 3 56.71716058
CW 64 93 1 158 9.6 19 205 9.6 0.0063 3 50.93286515
CW 65 99 19 205 9.6 28 258 9.6 0.0063 3 54.40382487
CW 66 105 28 258 9.6 30 315 9.6 0.0063 3 57.71949785
GW 67 19 -235 -22 9.6 -235 -22 0 0.0063
GW 68 19 -168 -12 9.6 -168 -12 0 0.0063
GW 69 19 -96 -4 9.6 -96 -4 0 0.0063
GW 70 15 -37 17 7.5 -37 17 0 0.0063
GW 71 19 2 49 9.6 2 49 0 0.0063
GW 72 19 28 258 9.6 28 258 0 0.0063
GW 73 19 -89 -120 9.6 -89 -120 0 0.0063
GW 74 7 -235 -22 0 -235 -22 -3 0.0063
GW 75 7 -168 -12 0 -168 -12 -3 0.0063
GW 76 7 -96 -4 0 -96 -4 -3 0.0063
GW 77 7 -37 17 0 -37 17 -3 0.0063
GW 78 7 2 49 0 2 49 -3 0.0063
GW 79 7 28 258 0 28 258 -3 0.0063
GW 80 7 -89 -120 0 -89 -120 -3 0.0063
GW 81 7 1.02 158.04 0 1.02 158.04 3 0.0063
GW 82 7 0.97 158.04 0 0.97 158.04 3 0.0063
GW 83 7 0.945 158 0 0.945 158 3 0.0063
GW 84 7 0.97 157.95 0 0.97 157.95 3 0.0063
GW 85 7 1.02 157.95 0 1.02 157.95 3 0.0063
GW 86 7 1.045 158 0 1.045 158 3 0.0063
GW 87 7 1.02 158.04 3 1.02 158.04 6 0.0063
GW 88 7 0.97 158.04 3 0.97 158.04 6 0.0063
GW 89 7 0.945 158 3 0.945 158 6 0.0063
GW 90 7 0.97 157.95 3 0.97 157.95 6 0.0063
GW 91 7 1.02 157.95 3 1.02 157.95 6 0.0063
GW 92 7 1.045 158 3 1.045 158 6 0.0063
GW 93 7 1.02 158.04 6 1.02 158.04 9 0.0063
GW 94 7 0.97 158.04 6 0.97 158.04 9 0.0063
GW 95 7 0.945 158 6 0.945 158 9 0.0063
GW 96 7 0.97 157.95 6 0.97 157.95 9 0.0063
GW 97 7 1.02 157.95 6 1.02 157.95 9 0.0063
GW 98 7 1.045 158 6 1.045 158 9 0.0063
GW 99 7 1.02 158.04 0 1.02 158.04 -3 0.0063
GW 100 7 0.97 158.04 0 0.97 158.04 -3 0.0063
GW 101 7 0.945 158 0 0.945 158 -3 0.0063
GW 102 7 0.97 157.95 0 0.97 157.95 -3 0.0063
GW 103 7 1.02 157.95 0 1.02 157.95 -3 0.0063
GW 104 7 1.045 158 0 1.045 158 -3 0.0063
GW 105 7 0.02 -35.96 0 0.02 -35.96 3 0.0063
GW 106 7 -0.03 -35.96 0 -0.03 -35.96 3 0.0063
GW 107 7 -0.055 -36 0 -0.055 -36 3 0.0063
GW 108 7 -0.03 -36.05 0 -0.03 -36.05 3 0.0063
GW 109 7 0.02 -36.05 0 0.02 -36.05 3 0.0063
GW 110 7 0.045 -36 0 0.045 -36 3 0.0063
GW 111 7 0.02 -35.96 3 0.02 -35.96 6 0.0063
GW 112 7 -0.03 -35.96 3 -0.03 -35.96 6 0.0063
GW 113 7 -0.055 -36 3 -0.055 -36 6 0.0063
GW 114 7 -0.03 -36.05 3 -0.03 -36.05 6 0.0063

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GW 115 7 0.02 -36.05 3 0.02 -36.05 6 0.0063
GW 116 7 0.045 -36 3 0.045 -36 6 0.0063
GW 117 7 0.02 -35.96 6 0.02 -35.96 9 0.0063
GW 118 7 -0.03 -35.96 6 -0.03 -35.96 9 0.0063
GW 119 7 -0.03 -36.05 6 -0.03 -36.05 9 0.0063
GW 120 7 0.02 -36.05 6 0.02 -36.05 9 0.0063
GW 121 7 0.045 -36 6 0.045 -36 9 0.0063
GW 122 7 0.02 -35.96 0 0.02 -35.96 -3 0.0063
GW 123 7 -0.03 -35.96 0 -0.03 -35.96 -3 0.0063
GW 124 7 -0.055 -36 0 -0.055 -36 -3 0.0063
GW 125 7 -0.03 -36.05 0 -0.03 -36.05 -3 0.0063
GW 126 7 0.02 -36.05 0 0.02 -36.05 -3 0.0063
GW 127 7 0.045 -36 0 0.045 -36 -3 0.0063
GW 128 7 18.2 -95.96 6 18.2 -95.96 9 0.0063
GW 129 7 18.15 -95.96 6 18.15 -95.96 9 0.0063
GW 130 7 18.125 -96 6 18.125 -96 9 0.0063
GW 131 7 18.15 -96.05 6 18.15 -96.05 9 0.0063
GW 132 7 18.2 -96.05 6 18.2 -96.05 9 0.0063
GW 133 7 18.225 -96 6 18.225 -96 9 0.0063
GW 134 7 18.2 -95.96 3 18.2 -95.96 6 0.0063
GW 135 7 18.15 -95.96 3 18.15 -95.96 6 0.0063
GW 136 7 18.125 -96 3 18.125 -96 6 0.0063
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GW 138 7 18.2 -96.05 3 18.2 -96.05 6 0.0063
GW 139 7 18.225 -96 3 18.225 -96 6 0.0063
GW 140 7 18.2 -95.96 0 18.2 -95.96 3 0.0063
GW 141 7 18.15 -95.96 0 18.15 -95.96 3 0.0063
GW 142 7 18.125 -96 0 18.125 -96 3 0.0063
GW 143 7 18.15 -96.05 0 18.15 -96.05 3 0.0063
GW 144 7 18.2 -96.05 0 18.2 -96.05 3 0.0063
GW 145 7 18.225 -96 0 18.225 -96 3 0.0063
GW 146 7 18.15 -95.96 0 18.15 -95.96 -3 0.0063
GW 147 7 18.125 -96 0 18.125 -96 -3 0.0063
GW 148 7 18.15 -96.05 0 18.15 -96.05 -3 0.0063
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GW 151 7 18.2 -95.96 0 18.2 -95.96 -3 0.0063
GW 152 7 18.175 -96 0 18.175 -96 -3 0.0063
GW 153 7 0 -36 0 0 -36 3 0.0063
GW 154 7 0 -36 3 0 -36 6 0.0063
GW 155 7 0 -36 6 0 -36.005 9 0.0063
GW 156 7 0 -36 0 0 -36 -3 0.0063
GW 157 7 0.9983 158 0 0.9983 158 3 0.0063
GW 158 7 0.9983 158 3 0.9983 158 6 0.0063
GW 159 7 0.9983 158 6 0.9983 158 9 0.0063
GW 160 7 0.9983 158 0 0.9983 158 -3 0.0063
GW 161 7 18.175 -96 6 18.175 -96 9 0.0063
GW 162 7 18.175 -96 3 18.175 -96 6 0.0063
GW 163 7 18.175 -96 0 18.175 -96 3 0.0063
GW 164 7 -298.125 -33.975 6 -298.125 -33.975 9 0.0063
GW 165 7 -298.175 -33.975 6 -298.175 -33.975 9 0.0063
GW 166 7 -298.2 -34.015 6 -298.2 -34.015 9 0.0063
GW 167 7 -298.175 -34.065 6 -298.175 -34.065 9 0.0063
GW 168 7 -298.125 -34.065 6 -298.125 -34.065 9 0.0063
GW 169 7 -298.1 -34.015 6 -298.1 -34.015 9 0.0063
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GW 171 7 -298.175 -33.975 3 -298.175 -33.975 6 0.0063
GW 172 7 -298.2 -34.015 3 -298.2 -34.015 6 0.0063
GW 173 7 -298.175 -34.065 3 -298.175 -34.065 6 0.0063
GW 174 7 -298.125 -34.065 3 -298.125 -34.065 6 0.0063
GW 175 7 -298.1 -34.015 3 -298.1 -34.015 6 0.0063
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GW 177 7 -298.175 -33.975 0 -298.175 -33.975 3 0.0063

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 GW 179 7 -298.175 -34.065 0 -298.175 -34.065 3 0.0063
 GW 180 7 -298.125 -34.065 0 -298.125 -34.065 3 0.0063
 GW 181 7 -298.1 -34.015 0 -298.1 -34.015 3 0.0063
 GW 182 7 -298.175 -33.975 0 -298.175 -33.975 -3 0.0063
 GW 183 7 -298.2 -34.015 0 -298.2 -34.015 -3 0.0063
 GW 184 7 -298.175 -34.065 0 -298.175 -34.065 -3 0.0063
 GW 185 7 -298.125 -34.065 0 -298.125 -34.065 -3 0.0063
 GW 186 7 -298.1 -34.015 0 -298.1 -34.015 -3 0.0063
 GW 187 7 -298.125 -33.975 0 -298.125 -33.975 -3 0.0063
 GW 188 7 -298.15 -34.015 0 -298.15 -34.015 -3 0.0063
 GW 189 7 -298.15 -34.015 6 -298.15 -34.015 9 0.0063
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 GW 191 7 -298.15 -34.015 0 -298.15 -34.015 3 0.0063
 GW 192 7 -37 17 7.5 -37 17 10.85 0.0063
 GW 193 3 -96 -4 9.6 -96 -4.55 10.8 0.0063
 GW 194 3 -96 -4 11.4 -96 -4.55 10.8 0.0063
 GW 195 3 -168 -12 9.6 -168 -12.5 10.75 0.0063
 GW 196 3 -168 -12 12 -168 -12.5 10.75 0.0063
 GW 197 3 -235 -22 9.6 -235 -22 10.8 0.0063
 GW 198 3 -89 -120 11.4 -89.25 -120.25 10.5 0.0063
 GW 199 3 -89 -120 9.6 -89.25 -120.25 10.5 0.0063
 GW 200 3 2 49 10.8 2 49 9.6 0.0063
 GW 201 3 28 258 9.6 28.5 258 10.75 0.0063
 GW 202 3 28 258 12 28.5 258 10.75 0.0063
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 GW 204 3 1.75 157.75 10.8 1.9517 157.69 11.7 0.0063
 GW 205 7 0.5102 157.65 10.8 0.04829 158.31 11.7 0.0063
 GW 206 13 1 158 12 0.95 158.25 9.6 0.0063
 GW 207 3 0.95 158.25 9.6 0.9983 158 9 0.0063
 GW 208 11 0.5102 157.65 10.8 0.9983 158 9 0.0063
 GW 209 11 1.75 157.75 10.8 0.9983 158 9 0.0063
 GW 210 3 0 -36 10.8 0.32 -35.7 10.3 0.0063
 GW 211 7 0 -36 12 0.35 -36.3 10.35 0.0063
 GW 212 5 0 -36 11.4 -0.35 -36 10.35 0.0063
 GW 213 7 0.32 -35.7 10.3 0 -36.005 9 0.0063
 GW 214 7 0.35 -36.3 10.35 0 -36.005 9 0.0063
 GW 215 7 -0.35 -36 10.35 0 -36.005 9 0.0063
 GW 216 3 18.125 -96 9 18 -96 9.6 0.0063
 GW 217 7 18 -96 10.8 18.1 -95.75 9.6 0.0063
 GW 218 9 18 -96 11.4 18.35 -96 9.6 0.0063
 GW 219 3 18.35 -96 9.6 18.175 -96 9 0.0063
 GW 220 13 18 -96 12 18.125 -96.25 9.6 0.0063
 GW 221 3 18.125 -96.25 9.6 18.175 -96 9 0.0063
 GW 222 3 -298.1 -34.015 9 -298 -34 9.6 0.0063
 GW 223 7 -298 -34 10.8 -298.075 -34.15 9.6 0.0063
 GW 224 9 -298 -34 11.4 -298.25 -34 9.6 0.0063
 GW 225 13 -298 -34 12 -298.075 -33.875 9.6 0.0063
 GW 226 3 -298.075 -34.15 9.6 -298.15 -34.015 9 0.0063
 GW 227 3 -298.25 -34 9.6 -298.15 -34.015 9 0.0063
 GW 228 3 -298.075 -33.875 9.6 -298.15 -34.015 9 0.0063
 GW 229 3 18.175 -96 9 18.1 -95.75 9.6 0.0063
 GE -1
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 LD 0 193 1 1 3 0.005
 LD 0 195 1 1 3 0.005
 LD 0 197 1 1 3 0.005
 LD 0 199 1 1 3 0.005
 LD 0 200 1 1 3 0.005
 LD 0 201 1 1 3 0.005
 LD 0 213 6 6 30 0
 LD 0 214 6 6 30 0
 LD 0 215 6 6 30 0

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LD 0 207 2 2 30 0
LD 0 208 10 10 30 0
LD 0 209 10 10 30 0
LD 0 219 2 2 30 0
LD 0 221 2 2 30 0
LD 0 226 2 2 30 0
LD 0 227 2 2 30 0
LD 0 228 2 2 30 0
LD 0 229 2 2 30 0
LD 5 0 0 0 58000000
GN 2 0 0 0 15 0.005
FR 0 1 0 0 30.000 0
EX 0 3 1 0 1 0
EN
CM Complex Power Line Model
CM Excitation Point 3
CM Excitation point for ionospheric study
CM 30 MHz
CM NTIA 2004
CE
CW 1 119 -298 -34 12 -235 -22 12 0.0063 3 64.90226708
CW 2 125 -235 -22 12 -168 -12 12 0.0063 3 68.55506412
CW 3 135 -168 -12 12 -96 -4 12 0.0063 3 73.31239808
CW 4 111 -96 -4 12 -36 0 12 0.0063 3 60.85478374
CW 5 67 -36 0 12 0 0 12 0.0063 3 36.432
CW 6 67 0 0 12 0 -36 12 0.0063 3 36.432
CW 7 107 0 -36 12 -2 -94 12 0.0063 3 58.73088618
CW 8 81 -2 -94 12 -44 -83 12 0.0063 3 43.93758573
CW 9 109 -44 -83 12 -89 -120 12 0.0063 3 58.95714321
CW 10 37 -2 -94 12 18 -96 12 0.0063 3 20.34094826
CW 11 91 0 0 12 2 49 12 0.0063 3 49.62928893
CW 12 107 2 49 12 -14 104 12 0.0063 3 57.96737413
CW 13 105 -14 104 12 1 158 12 0.0063 3 56.71716058
CW 14 93 1 158 12 19 205 12 0.0063 3 50.93286515
CW 15 99 19 205 12 28 258 12 0.0063 3 54.40382487
CW 16 105 28 258 12 30 315 12 0.0063 3 57.71949785
CW 17 119 -298 -34 11.4 -235 -22 11.4 0.0063 3 64.90226708
CW 18 125 -235 -22 11.4 -168 -12 11.4 0.0063 3 68.55506412
CW 19 135 -168 -12 11.4 -96 -4 11.4 0.0063 3 73.31239808
CW 20 111 -96 -4 11.4 -36 0 11.4 0.0063 3 60.85478374
CW 21 67 -36 0 11.4 0 0 11.4 0.0063 3 36.432
CW 22 67 0 0 11.4 0 -36 11.4 0.0063 3 36.432
CW 23 107 0 -36 11.4 -2 -94 11.4 0.0063 3 58.73088618
CW 24 81 -2 -94 11.4 -44 -83 11.4 0.0063 3 43.93758573
CW 25 109 -44 -83 11.4 -89 -120 11.4 0.0063 3 58.95714321
CW 26 37 -2 -94 11.4 18 -96 11.4 0.0063 3 20.34094826
CW 27 91 0 0 11.4 2 49 11.4 0.0063 3 49.62928893
CW 28 107 2 49 11.4 -14 104 11.4 0.0063 3 57.96737413
CW 29 105 -14 104 11.4 0.04829 158.31 11.7 0.0063 3 56.77149123
CW 30 93 0.04829 158.31 11.7 19 205 11.4 0.0063 3 50.99529567
CW 31 99 19 205 11.4 28 258 11.4 0.0063 3 54.40382487
CW 32 105 28 258 11.4 30 315 11.4 0.0063 3 57.71949785
CW 33 119 -298 -34 10.8 -235 -22 10.8 0.0063 3 64.90226708
CW 34 125 -235 -22 10.8 -168 -12 10.8 0.0063 3 68.55506412
CW 35 135 -168 -12 10.8 -96 -4 10.8 0.0063 3 73.31239808
CW 36 111 -96 -4 10.8 -36 0 10.8 0.0063 3 60.85478374
CW 37 33 -36 0 10.8 -37 17 10.85 0.0063 3 17.23381329
CW 38 67 -36 0 10.8 0 0 10.8 0.0063 3 36.432
CW 39 67 0 0 10.8 0 -36 10.8 0.0063 3 36.432
CW 40 107 0 -36 10.8 -2 -94 10.8 0.0063 3 58.73088618
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CW 43 37 -2 -94 10.8 18 -96 10.8 0.0063 3 20.34094826
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CW 45 107 2 49 10.8 -14 104 10.8 0.0063 3 57.96737413
CW 46 105 -14 104 10.8 1.9517 157.69 11.7 0.0063 3 56.68901019
CW 47 93 1.9517 157.69 11.7 19 205 10.8 0.0063 3 50.89958235
CW 48 99 19 205 10.8 28 258 10.8 0.0063 3 54.40382487
CW 49 105 28 258 10.8 30 315 10.8 0.0063 3 57.71949785
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CW 51 125 -235 -22 9.6 -168 -12 9.6 0.0063 3 68.55506412
CW 52 135 -168 -12 9.6 -96 -4 9.6 0.0063 3 73.31239808
CW 53 111 -96 -4 9.6 -36 0 9.6 0.0063 3 60.85478374
CW 54 33 -36 0 9.6 -37 17 7.5 0.0063 3 17.36428044
CW 55 67 -36 0 9.6 0 0 9.6 0.0063 3 36.432
CW 56 67 0 0 9.6 0 -36 9.6 0.0063 3 36.432
CW 57 107 0 -36 9.6 -2 -94 9.6 0.0063 3 58.73088618
CW 58 81 -2 -94 9.6 -44 -83 9.6 0.0063 3 43.93758573
CW 59 109 -44 -83 9.6 -89 -120 9.6 0.0063 3 58.95714321
CW 60 37 -2 -94 9.6 18 -96 9.6 0.0063 3 20.34094826
CW 61 91 0 0 9.6 2 49 9.6 0.0063 3 49.62928893
CW 62 107 2 49 9.6 -14 104 9.6 0.0063 3 57.96737413
CW 63 105 -14 104 9.6 1 158 9.6 0.0063 3 56.71716058
CW 64 93 1 158 9.6 19 205 9.6 0.0063 3 50.93286515
CW 65 99 19 205 9.6 28 258 9.6 0.0063 3 54.40382487
CW 66 105 28 258 9.6 30 315 9.6 0.0063 3 57.71949785
GW 67 19 -235 -22 9.6 -235 -22 0 0.0063
GW 68 19 -168 -12 9.6 -168 -12 0 0.0063
GW 69 19 -96 -4 9.6 -96 -4 0 0.0063
GW 70 15 -37 17 7.5 -37 17 0 0.0063
GW 71 19 2 49 9.6 2 49 0 0.0063
GW 72 19 28 258 9.6 28 258 0 0.0063
GW 73 19 -89 -120 9.6 -89 -120 0 0.0063
GW 74 7 -235 -22 0 -235 -22 -3 0.0063
GW 75 7 -168 -12 0 -168 -12 -3 0.0063
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GW 77 7 -37 17 0 -37 17 -3 0.0063
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GW 80 7 -89 -120 0 -89 -120 -3 0.0063
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GW 82 7 0.97 158.04 0 0.97 158.04 3 0.0063
GW 83 7 0.945 158 0 0.945 158 3 0.0063
GW 84 7 0.97 157.95 0 0.97 157.95 3 0.0063
GW 85 7 1.02 157.95 0 1.02 157.95 3 0.0063
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GW 87 7 1.02 158.04 3 1.02 158.04 6 0.0063
GW 88 7 0.97 158.04 3 0.97 158.04 6 0.0063
GW 89 7 0.945 158 3 0.945 158 6 0.0063
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GW 91 7 1.02 157.95 3 1.02 157.95 6 0.0063
GW 92 7 1.045 158 3 1.045 158 6 0.0063
GW 93 7 1.02 158.04 6 1.02 158.04 9 0.0063
GW 94 7 0.97 158.04 6 0.97 158.04 9 0.0063
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GW 96 7 0.97 157.95 6 0.97 157.95 9 0.0063
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GW 99 7 1.02 158.04 0 1.02 158.04 -3 0.0063
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GW 102 7 0.97 157.95 0 0.97 157.95 -3 0.0063
GW 103 7 1.02 157.95 0 1.02 157.95 -3 0.0063
GW 104 7 1.045 158 0 1.045 158 -3 0.0063
GW 105 7 0.02 -35.96 0 0.02 -35.96 3 0.0063
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 GW 111 7 0.02 -35.96 3 0.02 -35.96 6 0.0063
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 GW 114 7 -0.03 -36.05 3 -0.03 -36.05 6 0.0063
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 GW 125 7 -0.03 -36.05 0 -0.03 -36.05 -3 0.0063
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 GW 138 7 18.2 -96.05 3 18.2 -96.05 6 0.0063
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 GW 164 7 -298.125 -33.975 6 -298.125 -33.975 9 0.0063
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 GW 168 7 -298.125 -34.065 6 -298.125 -34.065 9 0.0063
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 GW 174 7 -298.125 -34.065 3 -298.125 -34.065 6 0.0063
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 GW 178 7 -298.2 -34.015 0 -298.2 -34.015 3 0.0063
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 GW 195 3 -168 -12 9.6 -168 -12.5 10.75 0.0063
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 GW 197 3 -235 -22 9.6 -235 -22 10.8 0.0063
 GW 198 3 -89 -120 11.4 -89.25 -120.25 10.5 0.0063
 GW 199 3 -89 -120 9.6 -89.25 -120.25 10.5 0.0063
 GW 200 3 2 49 10.8 2 49 9.6 0.0063
 GW 201 3 28 258 9.6 28.5 258 10.75 0.0063
 GW 202 3 28 258 12 28.5 258 10.75 0.0063
 GW 203 7 -0.055 -36 6 -0.055 -36 9 0.0063
 GW 204 3 1.75 157.75 10.8 1.9517 157.69 11.7 0.0063
 GW 205 7 0.5102 157.65 10.8 0.04829 158.31 11.7 0.0063
 GW 206 13 1 158 12 0.95 158.25 9.6 0.0063
 GW 207 3 0.95 158.25 9.6 0.9983 158 9 0.0063
 GW 208 11 0.5102 157.65 10.8 0.9983 158 9 0.0063
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 GW 210 3 0 -36 10.8 0.32 -35.7 10.3 0.0063
 GW 211 7 0 -36 12 0.35 -36.3 10.35 0.0063
 GW 212 5 0 -36 11.4 -0.35 -36 10.35 0.0063
 GW 213 7 0.32 -35.7 10.3 0 -36.005 9 0.0063
 GW 214 7 0.35 -36.3 10.35 0 -36.005 9 0.0063
 GW 215 7 -0.35 -36 10.35 0 -36.005 9 0.0063
 GW 216 3 18.125 -96 9 18 -96 9.6 0.0063
 GW 217 7 18 -96 10.8 18.1 -95.75 9.6 0.0063
 GW 218 9 18 -96 11.4 18.35 -96 9.6 0.0063
 GW 219 3 18.35 -96 9.6 18.175 -96 9 0.0063
 GW 220 13 18 -96 12 18.125 -96.25 9.6 0.0063
 GW 221 3 18.125 -96.25 9.6 18.175 -96 9 0.0063
 GW 222 3 -298.1 -34.015 9 -298 -34 9.6 0.0063
 GW 223 7 -298 -34 10.8 -298.075 -34.15 9.6 0.0063
 GW 224 9 -298 -34 11.4 -298.25 -34 9.6 0.0063
 GW 225 13 -298 -34 12 -298.075 -33.875 9.6 0.0063
 GW 226 3 -298.075 -34.15 9.6 -298.15 -34.015 9 0.0063
 GW 227 3 -298.25 -34 9.6 -298.15 -34.015 9 0.0063
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 GW 229 3 18.175 -96 9 18.1 -95.75 9.6 0.0063
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 LD 0 193 1 1 3 0.005

Powerline30.nec

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LD 0 197 1 1 3 0.005
LD 0 199 1 1 3 0.005
LD 0 200 1 1 3 0.005
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LD 0 207 2 2 30 0
LD 0 208 10 10 30 0
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LD 0 219 2 2 30 0
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GN 2 0 0 0 15 0.005
FR 0 1 0 0 30.000 0
EX 0 11 1 0 1 0
EN
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