

TABULATION OF TERRAIN DATA
AND DISTANCES TO CONTOUR FOR
W284CP, RALEIGH, NORTH CAROLINA
CHANNEL 284

| Azimuth (deg) | 3.2-16.1 km Average Elevation (based on U.S.G.S. 3-Sec. NED Data)(m) | HAAT (m) | Antenna Azimuth Pattern Relative Field | ERP (kW) | 60 dBu F(50,50) Distance (km) |
|------------------|---|-------------|---|-------------|--|
| 0 | 131.0 | 162.0 | 1.000 | 0.099 | 13.1 |
| 5 | 133.4 | 159.6 | 1.000 | 0.099 | 13.0 |
| 10 | 129.4 | 163.6 | 1.000 | 0.099 | 13.1 |
| 15 | 121.2 | 171.8 | 1.000 | 0.099 | 13.5 |
| 20 | 112.9 | 180.1 | 1.000 | 0.099 | 13.8 |
| 25 | 113.1 | 179.9 | 1.000 | 0.099 | 13.8 |
| 30 | 111.3 | 181.7 | 1.000 | 0.099 | 13.9 |
| 35 | 113.2 | 179.8 | 1.000 | 0.099 | 13.8 |
| 40 | 109.0 | 184.0 | 1.000 | 0.099 | 13.9 |
| 45 | 103.7 | 189.3 | 1.000 | 0.099 | 14.1 |
| 50 | 103.7 | 189.3 | 1.000 | 0.099 | 14.1 |
| 55 | 108.9 | 184.1 | 1.000 | 0.099 | 13.9 |
| 60 | 104.8 | 188.2 | 1.000 | 0.099 | 14.1 |
| 65 | 102.3 | 190.7 | 1.000 | 0.099 | 14.2 |
| 70 | 97.0 | 196.0 | 1.000 | 0.099 | 14.4 |
| 75 | 96.3 | 196.7 | 1.000 | 0.099 | 14.4 |
| 80 | 99.5 | 193.5 | 1.000 | 0.099 | 14.3 |
| 85 | 95.7 | 197.3 | 1.000 | 0.099 | 14.4 |
| 90 | 105.3 | 187.7 | 1.000 | 0.099 | 14.1 |
| 95 | 109.5 | 183.5 | 1.000 | 0.099 | 13.9 |
| 100 | 108.0 | 185.0 | 1.000 | 0.099 | 14.0 |
| 105 | 101.4 | 191.6 | 1.000 | 0.099 | 14.2 |
| 110 | 100.4 | 192.6 | 1.000 | 0.099 | 14.2 |
| 115 | 98.3 | 194.7 | 1.000 | 0.099 | 14.3 |
| 120 | 108.1 | 184.9 | 1.000 | 0.099 | 14.0 |
| 125 | 113.6 | 179.4 | 1.000 | 0.099 | 13.8 |
| 130 | 111.2 | 181.8 | 1.000 | 0.099 | 13.9 |
| 135 | 112.3 | 180.7 | 1.000 | 0.099 | 13.8 |
| 140 | 111.3 | 181.7 | 1.000 | 0.099 | 13.9 |
| 145 | 114.3 | 178.7 | 1.000 | 0.099 | 13.8 |
| 150 | 118.3 | 174.7 | 1.000 | 0.099 | 13.6 |
| 155 | 122.4 | 170.6 | 1.000 | 0.099 | 13.4 |
| 160 | 120.4 | 172.6 | 1.000 | 0.099 | 13.5 |
| 165 | 119.8 | 173.2 | 1.000 | 0.099 | 13.5 |
| 170 | 124.4 | 168.6 | 1.000 | 0.099 | 13.4 |
| 175 | 125.8 | 167.2 | 1.000 | 0.099 | 13.3 |
| 180 | 130.1 | 162.9 | 1.000 | 0.099 | 13.1 |
| 185 | 125.0 | 168.0 | 1.000 | 0.099 | 13.3 |

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| Azimuth (deg) | 3.2-16.1 km Average Elevation (based on U.S.G.S. 3-Sec. NED Data)(m) | HAAT (m) | Antenna Azimuth Pattern Relative Field | ERP (kW) | 60 dBu F(50,50) Distance (km) |
|------------------|---|-------------|---|-------------|--|
| 190 | 129.3 | 163.7 | 1.000 | 0.099 | 13.2 |
| 195 | 135.5 | 157.5 | 1.000 | 0.099 | 12.9 |
| 200 | 138.5 | 154.5 | 1.000 | 0.099 | 12.7 |
| 205 | 134.0 | 159.0 | 1.000 | 0.099 | 12.9 |
| 210 | 130.2 | 162.8 | 1.000 | 0.099 | 13.1 |
| 215 | 123.9 | 169.1 | 1.000 | 0.099 | 13.4 |
| 220 | 128.2 | 164.8 | 1.000 | 0.099 | 13.2 |
| 225 | 135.1 | 157.9 | 1.000 | 0.099 | 12.9 |
| 230 | 136.4 | 156.6 | 1.000 | 0.099 | 12.8 |
| 235 | 132.8 | 160.2 | 1.000 | 0.099 | 13.0 |
| 240 | 127.3 | 165.7 | 1.000 | 0.099 | 13.2 |
| 245 | 124.4 | 168.6 | 1.000 | 0.099 | 13.4 |
| 250 | 126.0 | 167.0 | 1.000 | 0.099 | 13.3 |
| 255 | 116.3 | 176.7 | 1.000 | 0.099 | 13.7 |
| 260 | 112.0 | 181.0 | 1.000 | 0.099 | 13.8 |
| 265 | 117.2 | 175.8 | 1.000 | 0.099 | 13.6 |
| 270 | 117.9 | 175.1 | 1.000 | 0.099 | 13.6 |
| 275 | 117.8 | 175.2 | 1.000 | 0.099 | 13.6 |
| 280 | 109.0 | 184.0 | 1.000 | 0.099 | 13.9 |
| 285 | 107.4 | 185.6 | 1.000 | 0.099 | 14.0 |
| 290 | 110.9 | 182.1 | 1.000 | 0.099 | 13.9 |
| 295 | 108.2 | 184.8 | 1.000 | 0.099 | 14.0 |
| 300 | 106.4 | 186.6 | 1.000 | 0.099 | 14.0 |
| 305 | 108.1 | 184.9 | 0.885 | 0.078 | 13.2 |
| 310 | 110.5 | 182.5 | 0.770 | 0.059 | 12.2 |
| 315 | 113.5 | 179.5 | 0.740 | 0.054 | 11.9 |
| 320 | 108.4 | 184.6 | 0.710 | 0.050 | 11.8 |
| 325 | 103.4 | 189.6 | 0.855 | 0.072 | 13.1 |
| 330 | 108.7 | 184.3 | 1.000 | 0.099 | 14.0 |
| 335 | 115.4 | 177.6 | 1.000 | 0.099 | 13.7 |
| 340 | 118.7 | 174.3 | 1.000 | 0.099 | 13.6 |
| 345 | 122.6 | 170.4 | 1.000 | 0.099 | 13.4 |
| 350 | 124.3 | 168.7 | 1.000 | 0.099 | 13.4 |
| 355 | 125.3 | 167.7 | 1.000 | 0.099 | 13.3 |