

Directional Antenna

For its ten fixed antenna sites, Clearwire proposes to use antennas at three different orientations. The details of which are shown below:

34-6-4.68 N, 118-6-21.6 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 120, 240

Orientation in vertical plane: 0, 0, 0

34-6-47.88 N, 118-4-22.8 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 120, 240

Orientation in vertical plane: 0, 0, 0

34-9-4.32 N, 118-4-19.2 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 135, 240

Orientation in vertical plane: 0, 0, 0

34-8-44.16 N, 118-4-21.6 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 340, 100, 210

Orientation in vertical plane: 0, 0, 0

34-7-19.92 N, 118-6-10.8 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 65, 175, 210

Orientation in vertical plane: 0, 0, 0

34-7-51.24 N, 118-4-26.4W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 120, 240

Orientation in vertical plane: 0, 0, 0

34-8-58.56 N, 118-5-52.8 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 20, 100, 270

Orientation in vertical plane: 0, 0, 0

34-6-12.96 N, 118-5-31.2 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 90, 240

Orientation in vertical plane: 0, 0, 0

34-7-34.32 N, 118-3-21.6W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 120, 230

Orientation in vertical plane: 0, 0, 0

34-7-54.12 N, 118-7-8.4 W

Width of beam in degrees at the half power point: 90, 90, 90

Orientation in horizontal plane: 0, 120, 240

Orientation in vertical plane: 0, 0, 0