

File Number: 0155-EX-PL-2003
Antenna Registration Question 4

The proposed antenna is a wire loop suspended in the vertical plane from trees. The height of the antenna will be approximately 20 meters above ground, and the length will be approximately 36 meters, forming a roughly rectangular shape.

A small magnetic loop antenna has a bi-directional pattern, with a 3 dB beamwidth of 90 degrees. The antenna will be oriented in a 60/240 degree angle (true) in the horizontal plane, and will be 90 degrees from horizontal in the vertical plane.

Some other combinations may be tried, but they cannot reasonably exceed these dimensions, given the limitations of the real estate.

Signed: John K. Andrews
Date: July 25, 2003