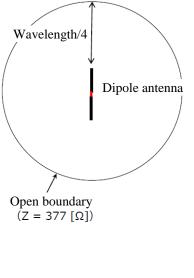
Question 13

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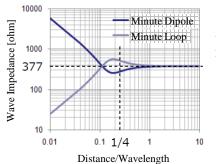
Q: How much size of air domain is required to analyze an antenna? (Electromagnetic analysis/Hertz/Air/Size)

A: Keep a gap of at least a quarter wavelength between the antenna and open boundaries. The open boundary is a boundary condition where



The open boundary is a boundary condition where electromagnetic waves do not reflect. The open boundary is provided by using the plane wave's wave impedance of free space, which has a value of 377Ω by default.

The antenna and the open boundary must be away from each other such that the electromagnetic wave can be treated as a plane wave.



A gap of at least $\lambda/4$ is recommended in Femtet.