

A Cylindrical Dipole

Parameters:

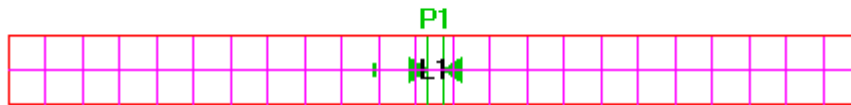
Length = 15cm, Radius = 0.3cm

Convert the cylindrical dipole into a planar dipole by using the formula: $a = 0.25w$. Now the new parameters are:

Length = 15cm, Width = 1.2cm

Frequency: 1-2GHz

Sampling rate: 30 for regular regions, 50 for discontinuities



Literature:

Constantine Balanis, "Antenna Theory: Analysis and Design", Chapter 9-4: Cylindrical Dipole, p.451-453

Results:

