

Datasheet

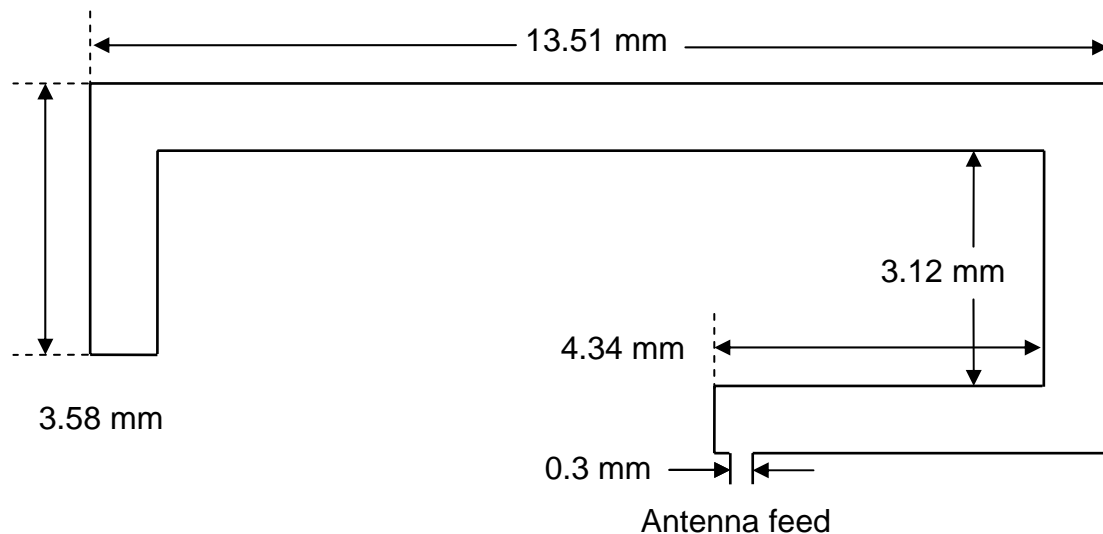
Introduction:

The antenna is printed on FR4 PCB, based on PIFA (Planar Inverted-F Antenna), in order to minimize layout size to be occupied. The antenna can achieve average gain of -1 dBi and peak gain of 1.5 dBi, at minimum without strong directivity. It is very close to simulation result.

Electrical characteristics

Frequency range	2400 MHz to 2500 MHz
VSWR	< 2.0
Gain	>1.5 dBi peak, > -1 dBi average
Polarization	Linear

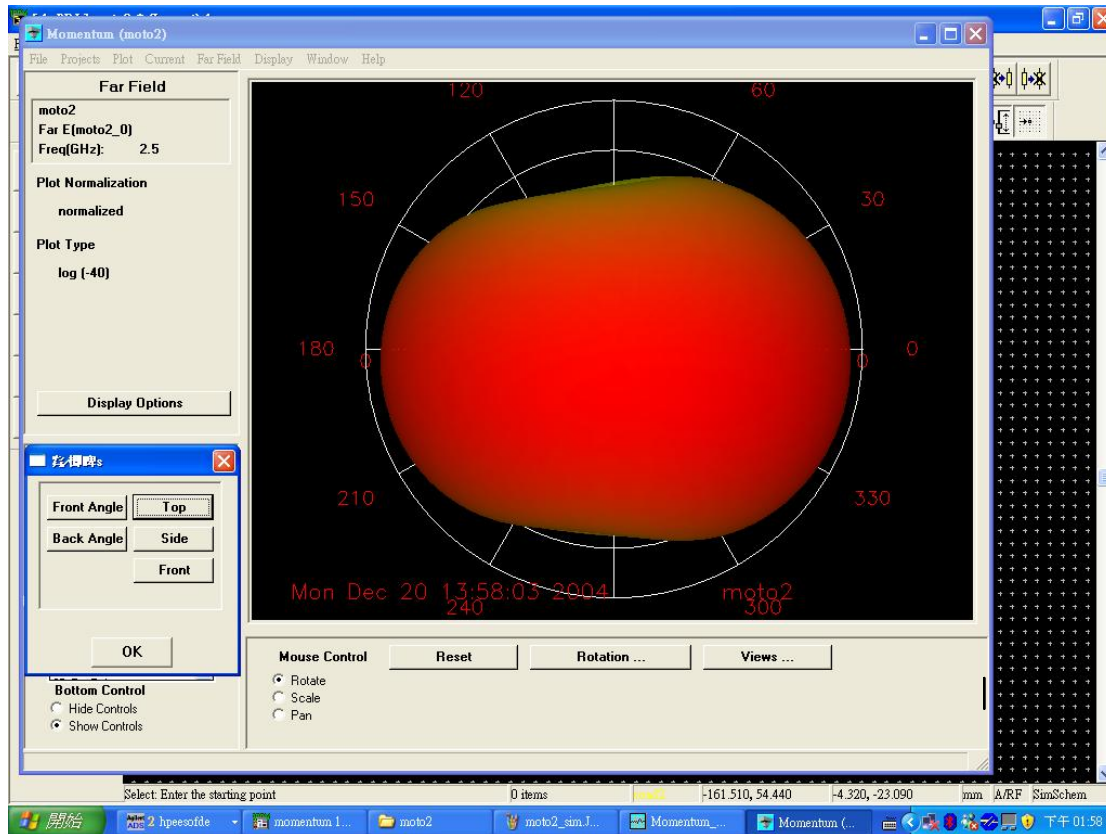
Dimension and outline



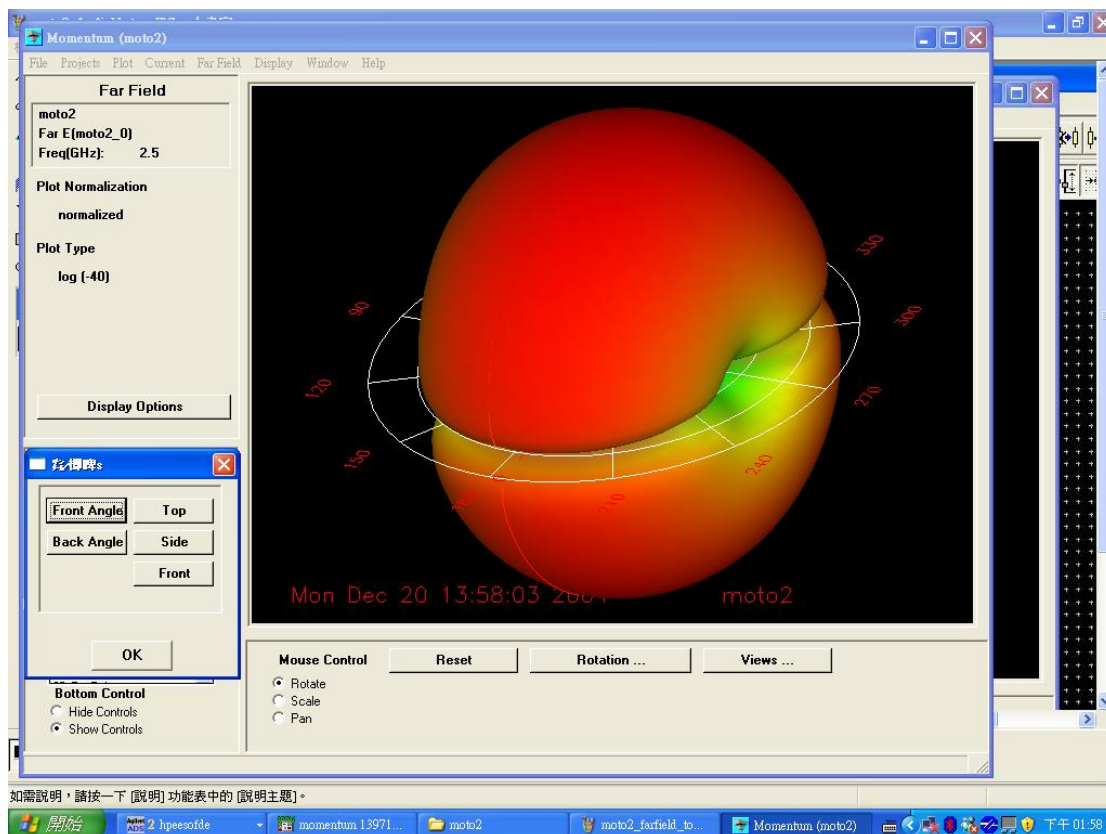
PCB: FR-4, 26 mil (0.66 mm) in bare core and prepreg thickness

Metal stripe: 1 OZ

Simulation result

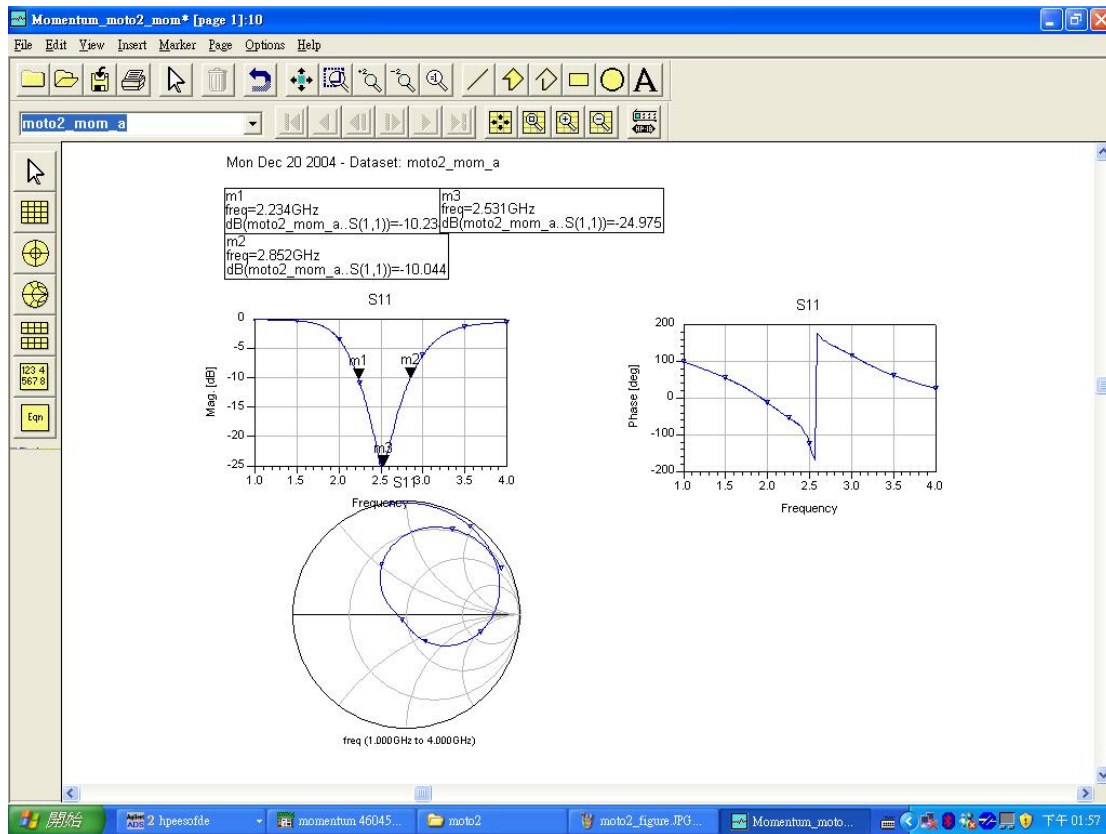


Far field 3-D plot, top



Far field 3-D plot, front

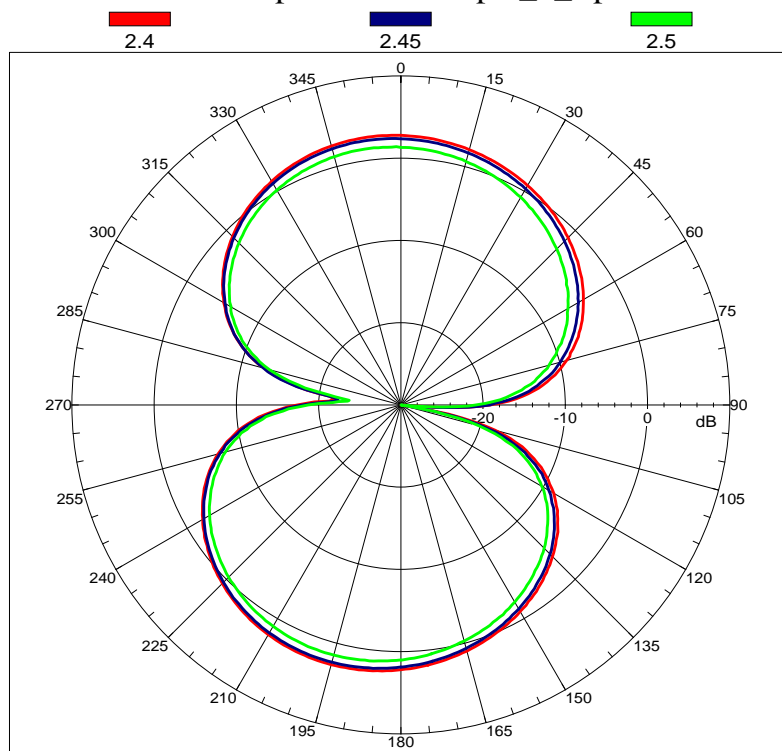
Return loss



Performance measure

E-plane

Far-field amplitude of sample_2_Eplane.nsi



H-plane

Far-field amplitude of sample_2_Hplane.nsi

