

EM Planner Simulation, Capacitors needed.

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-01/msg02067.html>

- *From:* apple2pomme@xxxxxxxxx
 - *Date:* 11 Jan 2006 08:26:03 -0800
-

I want to view EM field of a receiver, conductor is 1/2" wide, form a loop of about 5" x 5" square. Dielectric is 1/4" thick, Bottom layer is the ground.

On one side (out of the 4 sides of the square) of the conductor loop, a small gap is opened and a capacitor bridges the gap. Signal is output from one end of this capacitor, via another capacitor:

```
-----  
| |-----||-----> signal  
| ==  
| |  
-----
```

-----Grounding
(please use fixed width font to view the "graph")

The circuit simulation matches well with real device.
(S-parameter, etc...)

But when it copied to EMPlanner, all capacitors and the port info are gone. And without the capacitors, the EM field is not correct. How can this be done with any EM packages? Ansoft Designer?, ADS?, How?

Thank you very much for help.

Apple

.

- *Follow-Ups:*
 - ◆ ***Re: EM Planner Simulation, Capacitors needed.***
 ◇ *From:* Joseph2k
- *Prev by Date:* ***Re: Design & Build My Own IC***

EM Planner Simulation, Capacitors needed.

- Next by Date: ***Re: Base Bias Constant Voltage Source***
- Previous by thread: ***Have you guys tried...***
- Next by thread: ***Re: EM Planner Simulation, Capacitors needed.***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***