

# Re: EM Planner Simulation, Capacitors needed.

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-01/msg02965.html>

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- *From:* Joseph2k <joseph2k@xxxxxxxxxxx>
  - *Date:* Tue, 17 Jan 2006 01:23:59 GMT
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apple2pomme@xxxxxxxx wrote:

> 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  
>  
> Put in the EM model of the capacitor (from device physics).  
> Are you sure you are not trolling?

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JosephKK

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- *Follow-Ups:*
  - ◆ **Re: EM Planner Simulation, Capacitors needed.**  
◇ *From:* apple2pomme
  
- *References:*
  - ◆ **EM Planner Simulation, Capacitors needed.**  
◇ *From:* apple2pomme
  
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