

## Re: nuclear EMP protection???

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[snip]>

> *Do something about those antennas bringing the effects into your box, like  
> the power cord, and cables to the keyboard and monitor. I'm not sure what  
> it would take to filter that, but it may involve Zener diodes, engineered  
> spark gaps, and other things of the sort. Peronsally, I would use spark  
> gaps whenever possible, just on general principles. Fiber optics are  
> good. Just do something about the holes that bring the fibers in and out.*  
>

There are some statements that spark gaps are too slow to catch the risetime.

In fact, there are two completely opposite descriptions of the nature of EMP.

One describes it as a phenomena in the 10mHz – 100 mHz range.

Another describes it as in the 60 GHz range, almost sub-light, claiming that as a result, it leaks through small gaps in a Faraday shield, and is far too fast for a spark gap.

Ovonics is said to be working on a protective solid state device.

This is vexing, because there are high-tech spark gaps for about \$40 each, which contain replaceable gas tubes.

One claims, somehow (additional device?), to limit EMP to a mere 20 mv.

But there are some statements that these devices are useless, because of the risetime.