

Yokogawa Corp. of America

I hope you already know of us, but if not please allow me to introduce our company. Yokogawa designs and manufacturers test equipment for a wide variety of applications, one of which is power supply testing. Specifically our WT Series Power Analyzers (<http://www.yokogawa.com/tm/wtpz/tm-wtpz.htm>) are perfectly suited for ENERGY STAR compliance testing. Yokogawa has been referred to as a recommend test tool in or at various DOE, EPRI and EPA documents and meetings. I understand we were just recommend in some fashion at the Power Supply meeting in China, possibly by you or one of you colleagues.

In any case, we would be happy to support you and your work in any way possible such as product evaluations, test specifications, etc. Please let me know if we can be of any assistance to you.

Our Power Product Manager, Bill Gatheridge, and myself reviewed the draft as well as the question you posed. In response to the draft itself we do not have any comments or recommendations outside the location of the amp meter.

In regards to the location of the amp meter in low current circuits we recommend the current measurement be taken on the load side of the volt meter. While volt meters have very high impedance and draw very low current through them we feel it is theoretically advantageous to put the amp meter on the load side to negate any current drawn by the volt meter. This issue is covered in our User's Manual for our power analyzers which we have attached the applicable portion. Ref page 3-7 of the manual.