Subject: Re: Confused about sensitivity information
Posted by Adrian Mack on Wed, 14 Apr 2004 22:30:59 GMT
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The Eminence sensitivity guide should be showing the real 1w/1m levels of the driver. The graph must be showing something else, maybe 2.83v or something. I'd trust the sensitivity guides numbers, which are the real numbers. $n0=(9.64*10^{-10}*(Fs\_a^3*Vas\_a))/Qes\_a$ $=(9.64*10^{-10}*(118^3*5.8))/0.60$ $=0.0153$ SPL 1w/1m$= 112+10*LOG(n0)$ $= 112+10*LOG(0.0153)$ $= 93.85db$ 1w/1m Reference efficiency converted to 1w/1m sensitivity, it corresponds to Eminences sensitivity guide, but not the graph. The graph must be measured under different conditions. Adrian