
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. $n0 = (9.64 \times 10^{-10} \times (Fs_a^3 \times Vas_a)) / Qes_a$
 $= (9.64 \times 10^{-10} \times (118^3 \times 5.8)) / 0.60 = 0.0153$ SPL 1w/1m = $112 + 10 \times \text{LOG}(n0)$ =
 $112 + 10 \times \text{LOG}(0.0153) = 93.85\text{db}$ 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
