
Subject: going way out on a limb here...

Posted by [wunhuanglo](#) on Thu, 03 Mar 2005 22:44:21 GMT

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the dvm probably measures rms ac voltage. the accuracy of that measurement decreases with frequency. at 60 hz rms voltage is $[2^{0.5}]/2$ of the peak voltage. i think your 2.83v is really $2.83/0.707$ peak volts with pink noise (equal power in each octave?) you've got a bunch of frequencies, not a single sine wave, so i can't begin to guess how the rms value relates there. just a little rambling from what little i think i know ;-^
