Subject: Re: going way out on a limb here...
Posted by Bill Fitzmaurice on Fri, 04 Mar 2005 02:13:27 GMT
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You won't get a stable reading with pink noise. The best way to use it is to take a few readings
and average them. You also won't get the same dB reading with pink noise as you will with swept
sine, as with pink noise the power is spread across the spectrum while with swept sine power is
all concentrated at one frequency at any one point in time. To derive SPL using pink noise you
have to reference a single frequency within the plot to a reference SPL measured with sine at a
single frequency. For a full range speaker 1kHz is the usual frequency of choice.