Subject: Pink Noise Vs. sweeps for measurements
Posted by Scholl on Tue, 08 Jul 2014 21:02:50 GMT
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Hi all,

This maybe OT for this forum but I know there's good experience here.

I'm working with a Bernigher ultracurve as RTA using pink noise from a CD as source. I use this for room placement and crossover tweaking. I strive for a response that is a few DB down in the highs X curve style.

As far as a general curve is concerned is the response balance with this type of measurement comparable to a sweep? Would pink noise and an RTA lead me down a path to brighter sounding speakers?

Thanks,

Scott

Subject: Re: Pink Noise Vs. sweeps for measurements
Posted by Wayne Parham on Wed, 09 Jul 2014 14:52:12 GMT
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Check out this informative thread where Steve Larson describes the pros and cons for each of the most common measurement signal types:
Measurement signal types

Subject: Re: Pink Noise Vs. sweeps for measurements
Posted by Scholl on Thu, 10 Jul 2014 00:41:03 GMT
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Like I said, OT but lots of expertise.

It would be interesting to see a frequency response plot of the same speaker in the same room with both sweep and pink noise.

Scott

Subject: Re: Pink Noise Vs. sweeps for measurements
Posted by Wayne Parham on Thu, 10 Jul 2014 18:45:53 GMT
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If measurement is made indoors, you'll see mostly the room (not the speaker) unless gating is used in order to ignore reflections. When gating is used, it is called a pseudo-anechoic measurement, because the influence of reflections doesn't appear in the data. You can gate some signal types, and others you can't. But frankly, all the subtleties that are exposed using various signal types would be swamped by room influence, if the measurement isn't gated to ignore reflections.