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Subject: Re: Mono "flanking sub"

Posted by [Wayne Parham](#) on Fri, 27 Nov 2015 22:23:14 GMT

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The signal type you use to measure in-room bass isn't too critical, as long as you use a method that doesn't gate out reflections. We're looking at the sound field, not trying to isolate the direct sound as a pseudo-anechoic measurement would. So white or pink noise are fine, as are sweeps. Noise is broadband, while swept-sines are monotonic, but either signal type is fine provided we excite and sample over a long enough period of time to include the reflections from the room.

If we were measuring speakers, I'd suggest the exact opposite. I would want a reflection-free measurement. That's because I would want to know what the speaker does without influence from the environment it is used in. But in this case, we are measuring the speaker and room as a system, and we're looking at the behavior in the modal region. So we really need to see the room reflections and how they affect the sound field.

Measurement signal types

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