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Subject: Benefits of a wideband driver for off axis decay

Posted by [akhilesh](#) on Wed, 05 Oct 2005 21:21:47 GMT

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Hi Everyone,I was reading an article in Sensible Sound in which they review the new Bang & Olufsen Beo lab 5 (yes this is apparently totally different from the usual schlock B&O produces). In that they talk about the importance of off-axis frequency decay, and how its important for things like imaging and spaciousness. This got me thinking of the following question:What do we think a wide band driver would do? Usually, it leads to beaming, so there are some frequencies over which it will offer less decay than others. In other words, a driver that goes from say 100 to 5000 Hz, and is around 8" will beam around 1500 Hz plus, and the beaming effect will get more pronounced I think as the frequency increases. How would this impact the frequency rolloff off axis? IS a wide band driver a good thing or a bad thing , from the perspective of off axis frequency roll off patterns?-akhilesh

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