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Subject: Re: First coil in woofer's LPF with and without helper woofers

Posted by [Wayne Parham](#) on Fri, 13 Sep 2013 13:10:35 GMT

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That's kind of the point, yes. If you don't use helper woofers, then the mains are the only sound sources down low. And those tend to both rolloff sooner and shift source directivity from (baffle influenced) halfspace to omnidirectional. Then add to that the room modifies directivity way way of creating room modes.

So what you have in the modal region is messy, and no amount of EQ given to mains can solve it.

That's why I prefer acoustic approaches, like constant directivity cornerhorns, or flanking subs for mains where that's not possible. And distributed multisubs for the lower frequency modes in either case.