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Subject: Re: Pi7 Mid Horn Question's

Posted by [Wayne Parham](#) on Sat, 21 Jul 2012 16:03:11 GMT

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I'd bet a month's pay that your anomaly at 80Hz is from standing waves in the room, or more likely from a reflection from the wall behind the speakers. They are similar issues, both self-interference from room boundaries. Those kinds of issues are really common in the 80Hz to 160Hz octave and are what flanking subs seek to correct.

There are also modes in the 30Hz to 80Hz range. Those require more distant subs to smooth. I don't find them to be as noticable as the midbass/midrange modes though, especially if they're below 50Hz. The common 35-40Hz dip is not nearly as noticeable as one in the 80-120Hz range, both because of our ear's increased sensitivity in the higher range and because the ripple is usually larger in amplitude.

Room modes, multisubs and flanking subs

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