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Subject: Re: JBL 2226 Usage

Posted by [Wayne Parham](#) on Sat, 30 Jan 2010 00:29:02 GMT

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I agree with you on limiting cone excursion on mids and low xmax drivers using a high-pass filter, and wouldn't have suggested removing the high-pass if you were running any real power to the drivers.

What we have is competing priorities: Increasing the number of sound sources in the modal region is a good thing because it smoothes that range. This is why there is an advantage running the mids/mains all the way down as low as they'll go. But then there's the IMD/excursion issue, and you definitely don't want to push the driver close to xmax. If you need higher SPL, then it makes sense to high-pass the mids/mains because they'll likely see some power. To me, the balance is struck where power requirements don't exceed xmax at the lower limit of the mid/main passband.

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