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Subject: Re: Horns, transmission lines and reflex cabinets

Posted by [ChrisK](#) on Fri, 19 Aug 2005 03:17:39 GMT

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Thank you for that clarification Wayne. It would seem that "real world" dynamic conditions of the air mass in the horn, compression chamber and room itself as one "trundles" through the low frequencies is going to be "ragged" but in "theory" if a BLH horn is done right the loading of the driver will be a smooth curve through the low end on up eventually fading to no acoustic loading (by the horn itself). I'd guess that a given compression chamber has a great effect on creating peaks and dips in the mids and highs due to standing waves and cancellation in the chamber. Tough to damp those out especially if the chamber is small but I know "not a thing" about this stuff! With horns and full rangers there really is quite an "interplay" of electrical and acoustical loads and physical mass going on that defy description in a perfect sense. I guess that is the magic of BLH and tubes synergy (ultra synergy if you lucky)!

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