

---

Subject: Re: Horn mouth vs. front baffle or "speaker cone"

Posted by [Wayne Parham](#) on Mon, 03 Sep 2018 21:33:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

You're right that the lower the frequency, the more "wiggle room" you have. As long as the sound means lower frequencies can be further apart. Bass frequencies have longer wavelengths.

difference, summing is destructive and nulls form. And also realize that drivers are stacked vertically, so when the listener moves vertically, the distances between each driver and the

This is what forms the vertical nulls. You can see them in a polar chart. A well-designed speaker has nulls spaced uniformly above and below the speaker at a fairly wide angle, high above and far below the forward centerline.