

---

Subject: Measuring Doppler Distortion

Posted by [bgavin](#) on Tue, 31 Jan 2006 13:36:24 GMT

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

---

Much is mentioned about Doppler distortion in direct radiator subs.Q: can Doppler distortion be measured with LMS or ?? into a quantifiable figure for comparative purposes?

---

---

Subject: Re: Measuring Doppler Distortion

Posted by [Wayne Parham](#) on Tue, 31 Jan 2006 15:25:08 GMT

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

---

Measuring intermodulation distortion is a little more complex than measuring harmonic distortion. The Doppler effect is the phenomenon that makes a train have higher pitch when it is coming towards you, and drift off to a lower pitch when going away. It is related to cone movement, and is a function of excursion and frequency. So while it's an easy concept to grasp, it's a little trickier to quantify by measurement. The waveshape itself changes, modified by the movement of the cone. Klippel intermodulation distortion measurement

---