

---

Subject: Cutoff

Posted by [Earl Geddes](#) on Tue, 20 Dec 2005 13:06:47 GMT

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

---

If one derives the transfer characteristics for an exponential horn with Websters Equation then it predicts that below a certain frequency - based on flare rate - there is no transmission of sound, i.e. its "cutoff frequency". But experience, and logic, tells us that this is not the case. Again, in theory, Websters EQ does not predict a high frequency limit, although we all know that one exists. There is a lot to waveguide design, more than simply predicting (inacurately) its axial response.

---