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Subject: Effects of a low pass notch filter on BR versus TL: speculations

Posted by [akhilesh](#) on Wed, 24 Mar 2004 17:21:29 GMT

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Hi Everyone, Since it is my lunch break, I got to thinking about the differential effects of a low pass notch filter on a bass reflex versus a TL box. My initial thought was: A bass reflex box emphasizes the midrange too, because of resonance. It emphasizes the midrange more so than a TL. A low pass notch filter (one inductor and one resistor in parallel as a unit, and the unit in series with the driver) will allow for a HIGHER resistor value without losing clarity, since the midrange is getting emphasized in the BR box. Of course, a higher resistor would lead to MORE bass. So, for a given driver, the differential effect of a low pass notch filter will be greater for a well designed BR box, than for a well designed TL box. I understand that the BR may not emphasize all frequencies equally, and a TL may be a bit less colored, but put that aside for a while. What do you all think?-akhilesh

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