Subject: HF Horn-Woofer phase at crossover
Posted by AstroSonic on Thu, 01 May 2003 13:07:25 GMT
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Hi,I am building a pair of 2 way speakers with 15 inch woofers in a bass reflex cabinet and a horn/driver with a 2nd order 500 Hz Xover. The horn is located on top of the BR box. I have read threads here and in the High Efficiency forum, that suggest that with the Altec VOTT's it is important to move the horn until it sound /measures flat thru the crossover region, and that not doing this will likely result in a suckout due to phase cancellation. Of course with the VOTT's the cone of the bass driver is located well behind the front of the enclosure. The Altec Valencia used VOTT components in a BR box with the horn flush mounted to the front baffle and an 800 Hz xover. How did they get around the phase problem? Is this an issue with the Pi BR speakers? If I align the voice coils the horn will extend around 10 inches beyond the front baffle. Possible, but the WAF would go right thru the ceiling. Any ideas?TIA,AstroSonic