Subject: Opinion: "The Brick" a folded TQWP for Tangband 871-S
Posted by lon on Fri, 13 May 2005 19:03:23 GMT
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This takes me back to a question I posed maybe when I was first getting into the hobby:http://www.diyaudio.com/forums/showthread.php?s=&threadid=47558&highlight=Can a folded design be compacted? When I was thinking of this I had a desing in mind and then today,BOOM! there it was. somebody had made it. So can anyone venture an opinion as to whether such a design workswell and is practical? The sample graph shown in the articledoes not look especially smoothe.But I've been trying to figure out a good home for the TB 871-Spair I have. The design orginally given and built just has notbeen successful.
Tangband "brick"

Subject: Re: Opinion: "The Brick" a folded TQWP for Tangband 871-S
Posted by GarMan on Fri, 13 May 2005 19:53:27 GMT
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Hi Lon,I have not built Cyburg's "Brick", but did build his Needle design last month. According to Cyburg, the Needle is essentially the same speaker as the Brick, but folded in a different manner. Compared with a simple vented enclosure like the ELF design, the Needle and Brick is supposed to extend the bass down by an octave to about 50Hz. BTW, the ELF is a 0.1 ft^3 vented box with 1" diameter by 1.5" - 2" length port.I don't have the techical backgroud to say if this pipe design can actually extend the tiny Tangband's bass this low. I can however talk about how my ELF and Needle compare, as I built both at the same time.Do my Needles go down to 50Hz? Not to these ears. In fact, I wouldn't even describe my Needles as having more bass than the ELF. The sound between the two are very similiar, with the only difference being that the Needles have a fuller, more balance sound. Obviously, the Needles do extend down further than the ELF to create the more balance sound, but not enough to give any real sense of bass.Hope this helps.gar.
Tangband Cabinet Photos

Subject: Re: Opinion: "The Brick" a folded TQWP for Tangband 871-S
Posted by lon on Fri, 13 May 2005 22:07:39 GMT
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I checked out the photos-- very nice workmanship.I would be happy to get good midrange out of the TB's andam beginning to think that the minimum for decent output is a 4 in driver like my Fostex FE127e's. I also have a set ofPVC pipes (4in diameter) with the old Radio Shack 1197'swhich also perform well in a long pipe. I did an experiment with a small baffle mount of the TB 871-S in a PVC pipe of 41 in which is a quarterwavelength for 65 mhz IIRC.. don't quote me. It didn't work satisfactorily in that transmission lineconcept: PVC pipe with straight pipe and a hard

surfaceterminus at the exit in the form of a flooring tile.Not much count.Here is a concept that I just ran across at the Full Range Driver Forum for a Fostex. The interesting thing about this one is thatit uses a similar concept as that of the Jordan VTL but for a muchless expensive single driver. This I thought was a real 'find'and had not seen it anywhere before.
Fostex Spiral concept-- drawing

Subject: Re: Opinion: "The Brick" a folded TQWP for Tangband 871-S
Posted by roncla on Fri, 13 May 2005 23:47:08 GMT
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Can a folded design be compacted? Sure. but regardless it still has to take up the same volume. It may be easier to make it taller , but less width, or shorter but greater width or depth. But the end result is it will have to be the same volume for an equal performance.ron

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