Subject: Re: 2pi, 3pi, Zaph ZA5.3 for In-Wall LCR?
Posted by corradizo on Tue, 09 Sep 2014 16:00:11 GMT
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Going to be a long post...sorry.

Due to budget right now, it looks like the 3pi are out of my reach. The Zaph stuff it out because I think going from my existing 8" 3 way inwalls to smaller drivers will only disappoint me less sensitivity too. Swept volume wise the MTM zaph are more than a 1pi but not as much as the 2pi. I think the more air my LCR can move the better? (is this silly to think this? - i know it applies in IB Subs.

So I have to choose between the 2pi and 1pi. The prospect of tearing up my wall further, is seemingly only going to be a bunch of work I don't want to do. So now i'm thinking to mount them to the wall and put a couple of 2x6's behind my TV wall mount to push the TV out a bit to make it look better. So I will build either the 2pi or 1pi and wall mount them as an LCR setup. With the L and R upside down to get the tweeters in better alignment with the tweeter of the center channel which will sit below the TV. I'd be building grills for each to hide how the upside down setup would look. At 10" the 2pi is going to be too think for WAF and at 8.5 the 1pi is also going to be too thick. The TV sits 3.5" off the wall now, adding the 2x6's will push it out to 5". So i think i can have them stick out a little past that, say 2". I've been using Boxnotes to design the boxes i think will work. This app tells your the resonances you'll have in the box based on it's dimensions. It tells me that the stock 2pi has it's lowest resonance at 326hz. I understand that i'm entering uncharted territory. The boxes i have designed are wider, taller and thinner and their 20 x 27 x 6.5. The lowest resonance is 262hz. Will R13 take care of that or is that too low? I can get it up closer to 300hz, just not sure where the cut off is.

thanks,

Pete