Subject: Re: 4Pi - alternate compression driver mounting?
Posted by Wayne Parham on Mon, 07 Feb 2022 16:25:35 GMT
View Forum Message <> Reply to Message

Oh, that's excellent!

I like what I see in the 100-400Hz region, which was really what I was most worried about because of the port change. But I'm no longer worried. That configuration works fine. That tells me that the junk we saw was a result of reflections in the back yard, which is completely understandable and expected.

As for the 1kHz to 2kHz region, I'm a little less worried about that 'cause I know what it looks like based on the fore/aft locations of the drivers and the crossover. Your vertical distance between woofer and tweeter looks to be a little greater than a stock build, but not so wide as to narrow the null angles too much. I expect that to all be fine.

But I would double-check the usual stuff that can cause symptoms like that. Check the connection polarity. It's "weird" on both the woofer and tweeter, in that the 2226H needs positive to black and so does the DE-250. So make sure they're connected right.

And of course, make sure the tweeter face is flush with the baffle and the microphone is on-axis, or at least within +/-20°, maybe +/-15° in your setup with the tweeter a little further from the woofer than stock. When the speaker is on its back, the microphone should be hung above the speaker a few feet away and between the woofer and tweeter. That's the center of the forward lobe. You can then move the microphone along the speaker's vertical plane to find the positions of the vertical nulls.