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Subject: Re: 4012HO vs TD12S  
Posted by [rkeman](#) on Fri, 17 Jan 2014 03:48:26 GMT  
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The 3 Pi surrounds, slightly modified 3 Pi center and 6 Pi main loudspeakers in my home theater all use the AE TD12S. This evening the impedance of each was measured with a Dayton DATS system. The 3 Pi curves appeared to be essentially identical and, similar to the 6 Pi curves, reveal no discernable anomalies at the 750, 1500 or 2000Hz frequencies from the previously posted plot. The impedance graph from the 3 Pi right surround is included for review. The averaged 1 meter response curves on the tweeter axis for the 3 Pi and 6Pi show smooth midrange responses using the Dayton Omnimic. The room curves at 3 and 4 meters also lack any significant anomalies, the waterfall plots look good and the distortion through the midrange appears to be below the noise floor of the room (<0.5% at 95 dB/1 m). No evidence of cone breakup at all! These examples of the TD12S woofer range from less than one to about 3 years old and all demonstrated tight clustering of T/S parameters measured during the construction phase of the projects. The rough response posted doesn't correlate with my measurements or listening impressions. There is obviously a disconnect somewhere in all of this.

#### File Attachments

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1) [3 Pi R Surr 1.jpeg](#), downloaded 6882 times

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