
Subject: Dome tweeter with JBL 2226J?

Posted by [Bill Epstein](#) on Sun, 08 Jun 2008 11:07:06 GMT

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I'm once again looking at the Morel MDT-37 horn loaded dome, 93dB efficiency with the 97dB 2226. If it's necessary to pad the woofer, how would I effect that? The Morel appears to be able to go down to 1600Hz so it would be a drop in to replace the DE-250 I'm now using. Comments?
MDT-37

Subject: Alternative tweeter for JBL 2226

Posted by [Norris Wilson](#) on Sun, 08 Jun 2008 18:04:42 GMT

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Hi Bill, Here is an interesting design using an Audax TWO34X-P47N tweeter in unison with a wave guide. If you are wanting to specifically use a dome tweeter with the 2226. This could be a choice that has a higher sensitivity rating where it should be easier to mate it to your woofer. FYI Norris Wilson
<http://www.troelsgravesen.dk/JA8008.htm>

Subject: Synergy

Posted by [Wayne Parham](#) on Sun, 08 Jun 2008 18:15:36 GMT

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think those would be better uses for the Morel tweeter and I'll bet they would sound good. If you can find an old JBL 2115 woofer on eBay, it's an excellent woofer for a speaker like that. Another

directivity is matched to the midwoofer in the crossover range. This allows a smooth transition not only on-axis but off-axis as well. Plus, the sensitivity of the woofer is just right for matching the tweeter's passive EQ scheme. You need about 10dB to provide conjugate compensation of the power response curve, and that's the amount of difference between woofer and tweeter, so it's a perfect match. There's synergy in that combination.