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Subject: Crossover Doc Spice models

Posted by [dbeardsl](#) on Thu, 14 Mar 2002 21:13:57 GMT

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Wayne, Thanks for the info. I'm probably not doing something right. I used your exact spice model in the crossover doc for the Delta 15 and the psd2002 with a simple first order butterworth. I put the current source across node 5 and 0 like you said, and measured the voltage at node 6 and 1. I get something close to yours, but not quite the same. Here is the spice model... Delta 15 and PSD 2002 with 1st order Butterworth! First order network L2 5 6 0.6mH C2 5 1 16uF! woofer virtual circuit (Eminence Delta 15)! voice coil reactance R3 6 7 6.9 L3 7 9 0.86mH! mechanical reactance (40Hz, Q=6.56) C5 9 0 400uF L5 9 0 40mH R5 9 0 65.6! tweeter virtual circuit (Eminence PSD2002)! voice coil reactance R4 1 10 6.6 L4 10 11 0.1mH! mechanical reactance (on H290) C6 11 12 20uF L6 11 12 2mH R6 11 12 100 C7 12 13 10uF L7 12 13 1mH R7 12 13 100 C8 13 0 5uF L8 13 0 0.5mH R8 13 0 100 R9 11 0 20 C9 11 0 50uF I 5 0 AC 1 And the link is the graph I get. Am I doing the graph wrong.. I expected it to be exactly like the one pictured, I tried different voltages, but of course I get the same thing, just a little up the scale.

<http://dsb.8m.com/pipics/spice.gif>