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Subject: Re: Adjusting the capacitor value on the tweeter attenuator

Posted by [Jerry Parker](#) on Tue, 19 Aug 2003 14:43:48 GMT

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Hey Wayne. I did some measurements with the capacitor disconnected and connected again using 15.8khz and 16.5khz sine waves. With the Radio shack SPL meter, I was getting about a 2dB difference in output, which is inaudible I suppose to my ears :-). But then again there isn't much content that high in frequency in music anyways. Interestingly enough though, paralleling the .33 and .47uf caps gives me a 4dB gain over the capacitor out of the circuit. I dunno why that is, since parallel wiring should only allow more potential to pass, right? At any rate, if I want more output at those high frequencies, around say 15 to 17khz, I am going to have to buy a larger capacitor right? I also think I want to build a 16dB attenuator, as it is, the midrange is a bit too hot for my tastes, and with more attenuation, I will probably get a closer sound to what I am looking for. :-)

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