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Subject: Re: Learned some more audio truth outdoors  
Posted by [Bill Martinelli](#) on Wed, 06 Sep 2006 03:10:23 GMT  
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Computer software on a laptop, Stanford Research FFT spectrum analyzer, Ultra-curve spectrum analyzer. I like the FFT most of all. I mic at 6 places all 4 room corners with mic pointing into the corner at 2' away, mid height. in the center of the room with the mic pointed at the ceiling 1' down and at the primary listening position, all to get a feel or the room. Then make adjustment by measurements in one place (listening position)The measurements give you a good feel for deficiencies, shortcomings or room gain. You still need to listen to a good selection o music at different sound levels for a completely balanced system. Sometimes the perfect flat sound isn't what sounds best. With a combination of a graphic and parametric you can make a temporary voice before hardwiring parts. ALK engineering does my crossover work. He can build a very special filter network with fast turnaround. everything is impedance matched and I only have to deal with box tuning and attenuation these days. I like to build a special speaker that is designed for a particular application if I'm going to do the whole cabinet. Just once in a while. Too busy with wood tweeter horns most of the time, and when summer is in the good days I like to be on my boat.