Subject: Re: 4Pi measurements
Posted by Wayne Parham on Wed, 24 Oct 2012 20:11:34 GMT
View Forum Message <> Reply to Message

I agree with you - I wouldn't worry about your calibration. I think that's most important when you need a solid reference, like if you were planning to publish your charts or make some sort of formal comparisons. But for what you're doing, I am already comfortable with what you have. In a

expect except for an additional first-order LP filter function above 2kHz. You can mentally conjugate that curve and feel comfortable with it.

On the low-end, that's not uncommon either. At very low frequencies, a Delta-Sigma converter has a hard time, it's just the nature of the process. That's why some measurements systems take forever when measuring low frequencies. They're trying to compensate for that. An old Nyquist converter just uses successive approximation, so low frequencies are easy. But Delta-Sigma is a different process, and does not work well at very low frequencies.