Subject: Re: 3pis built & subs purchased. Finalizing Placement in AT Baffle Wall
Posted by Wayne Parham on Tue, 17 Aug 2021 13:11:14 GMT
View Forum Message <> Reply to Message

That will probably work just fine. Do set it all up on stands and audition it before committing though. One of the things required for flanking subs to work is an unusually high frequency low-pass on the subs. This provides blending in the upper midbass and lower midrange where you get SBIR from the wall behind the mains. The blending smooths the deep notch created by the resulting self-interference.

But the subs must not be loud enough to be localizable, and the main frequency range where that can occur is the blended region between around 80Hz to 150Hz. So set it all up and dial it in. Listen to vocals, cello and piano. Make sure it all sounds like it is coming from a single source, and that you cannot detect the subs. They should blend seamlessly. You should only know you even have subs by the presence of deepest bass, and even that should sound like it came from a single source in front of you.