Subject: Re: 4 Pi Build in San Luis Obispo - Parts Arrived, Got a Router Jig
Posted by Wayne Parham on Fri, 26 Mar 2021 19:17:01 GMT
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I've often used a rule-of-thumb to make the minimum spacing between a port and a nearby boundary to be equal to the port diameter.

But I've also found many times where this wasn't needed.

The Helmholtz resonance isn't affected much by having boundaries nearby, and that's what matters most. Beyond that, you have a whole different matter - Turbulence that causes audible chuffing. This doesn't change port tuning, but it does create audible artifacts. And that's what's really an issue when we're talking about the distance to a boundary. It's an issue of airspeed and the potential for turbulence.

So basically, if you don't hear something off, you're good. It'll keep the dust from collecting under the port, that's for sure. :lol: