

Robh3606 

Administrator



Join Date: Apr 2003
Location: Rocinante
Posts: 8,302

Greg Timbers comments on the Array 1400 imaging

Hello Ian,

Basically Widget is correct. In the case of the Array 1400, the drivers are aligned in the best way for an in polarity hookup through the crossover topology I chose. To have the drivers completely aligned, the horn would have had to move backwards by one complete wavelength at 800 Hz, making a non practical setup. Of course the UHF is in another time zone.

As for imaging, time alignment has little to do with it. Minimum diffraction enclosures which are extremely vibration free, system matching in terms of response and phase from the left to right channel and super narrow baffles are the most important issues.

The Arrays are easily at the top of their pay grade. They have their set of compromises as do all speakers. There is no perfect loudspeaker, nor will there be in the long term.

Widget is also correct in stating that perfect time alignment can only happen in one spot if the system has multiple drivers. CoAx speakers can sometimes do better in this regard, but are not very capable in most other regards.

Greg