Subject: Re: H290C Horn/Waveguide
Posted by Wayne Parham on Tue, 27 Mar 2012 12:55:03 GMT
View Forum Message <> Reply to Message

There is no suitable alternative to the H290, now designated H290C. The horn/waveguide properties are very specific, and it cannot be substituted without a complete redesign/test cycle. The biggest issue is the position of the acoustic center, which is affected both by the acoustic load and the depth of the device. The size and shape of the H290C are precisely set to provide the right beamwidth, loading and acoustic center.

The problem many people are facing is that Eminence discontinued the H290 horn. They were getting them from an overseas supplier that has stopped making them. We are now making the H290C horn/waveguide - and in fact, have updated the profile to have an oblate spheroidal flare profile. It is essentially a plastic version of the wood horn we've been making for years, so we could leverage the design work we've already done.
Horn/Waveguide dimensions and beamwidthSo my suggestion is to purchase the horns from us. There are other suppliers that still have the H290 in stock, but it is rapidly dwindling. Besides, our new H290C is an improved device, one that can be considered an upgrade. It uses the same baffle cutout and mounting holes, so it's an easy bolt-on replacement.