Subject: Pipe modes
Posted by Wayne Parham on Thu, 23 Jun 2005 09:59:03 GMT
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Regarding horns, I agree with you about pipe modes at low frequencies. An infinite horn is essentially a constrained space and pipe modes are avoided. But as a horn gets smaller in respect to wavelength, the pipe modes become more and more pronounced.Basshorn or Transmission LineOn the other hand, measurements of appropriately sized horns show no response ripples, provided the frequency is high enough that the horn is of wavelength dimensions. For the TAD4001, a large horn is not required to avoid pipe modes because of the frequencies involved.