
Subject: Re: horn surfaces

Posted by [Earl Geddes](#) on Thu, 13 Jan 2005 02:53:42 GMT

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Once again, you have to remember my bent. Waveguides are for directivity control not loading. If the waveguide is smaller than the wavelength then it cannot control the directivity at all. It will still load, but at these frequencies the "flare rate" is virtually irrelevant as any shape (that is increasing in area) with the same throat and mouth areas will load just about the same. At higher frequencies, the shape becomes everything in directivity control, but is still only marginally a factor in loading.
