

THE LOG PERIODIC

www.scvemc.org Santa Clara Valley Chapter of IEEE Electromagnetic Compatibility Society

IEEE/EMC Society Meeting: Tuesday January 13, 2009

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Time: Social 5:30 p.m. Presentation 6:30 p.m.

Place: Applied Materials Bowers Cafeteria
3090 Bowers Ave., Santa Clara, CA 95051-0804

Subject: GSM Handset Noise, Coping with the: “Buzz of Death.”

Speaker: Steve Weir, Technical Staff, Teraspeed Consulting Group

Speaker Bio:

Steve is an independent consultant with over 20 years plus industry experience with a broad range of expertise. Steve holds 17 US patents, and is a consultant with Teraspeed and to X2Y Attenuators. Steve has architected a number of TDM and packet based switching products, consults on patents and is a frequent contributor to the SI-list signal integrity reflector.

Abstract:

GSM telephones are notorious for inducing a disturbing 217Hz buzz in almost any electronics that includes an audio output. The problem is severe enough that many GSM handsets emit audible buzz as victims of their own RF interference. This talk will provide a brief overview of the reasons behind the GSM “Buzz of Death” and trade-offs between available suppression techniques.

$$\nabla \times \vec{E} = - \frac{\partial \vec{B}}{\partial t}$$

$$\nabla \times \vec{H} = \frac{\partial \vec{D}}{\partial t} + \vec{J}$$

$$\nabla \cdot \vec{D} = \rho$$

$$\nabla \cdot \vec{B} = 0$$



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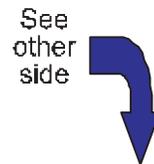
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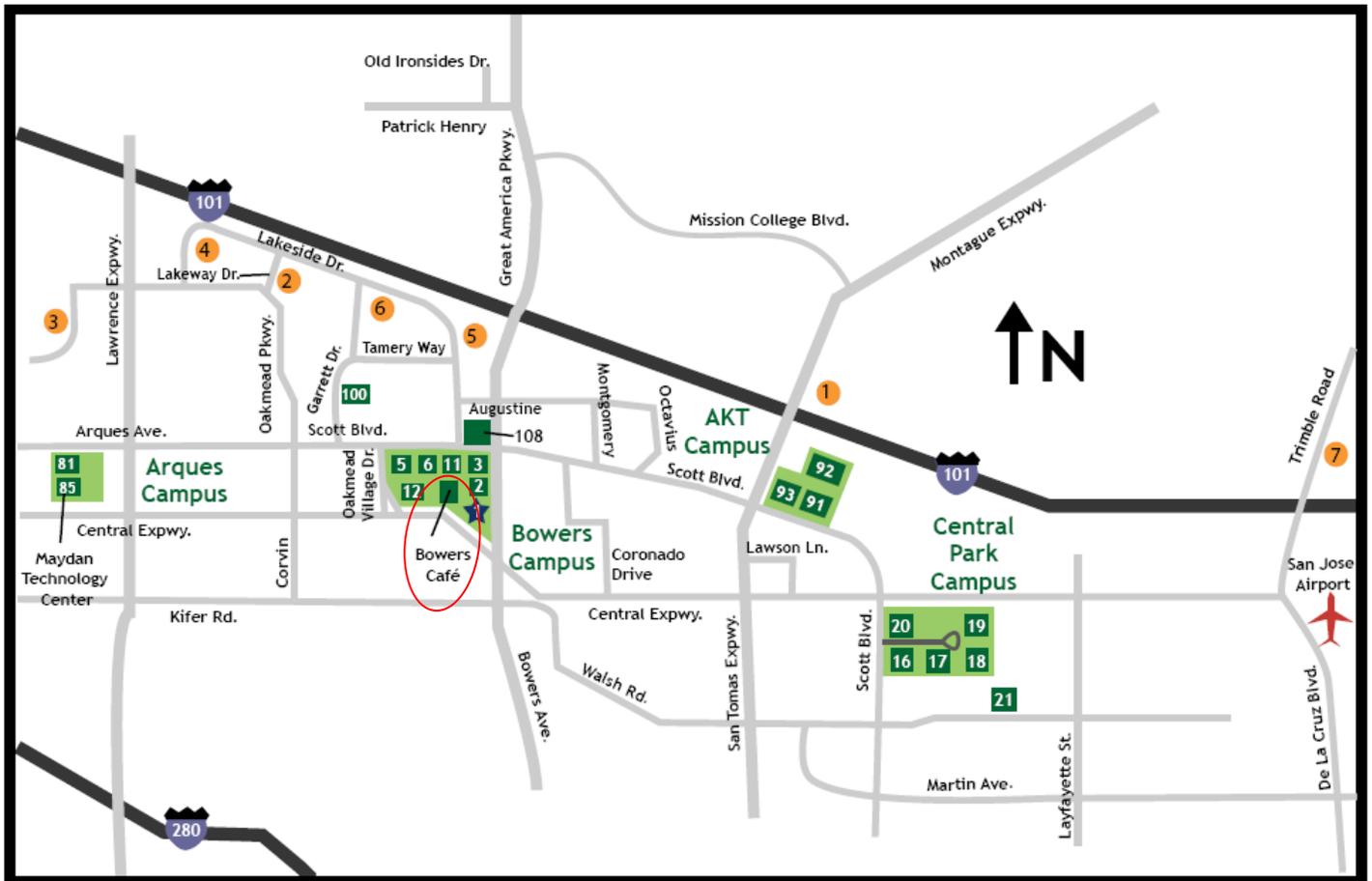
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Map: Applied Materials Bowers Café, 3090 Bowers Ave., Santa Clara, CA 95051



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