

ATSC *Digital*

VSB MEASUREMENTS SEMINAR

Hosted by:

SBE Chapter 40
KCSM



Saturday, November 17, 2007

8:30 a.m. to 5:45 p.m.

KCSM-DT Studios

1700 West Hillsdale Blvd

San Mateo, CA 94402

Presented by

Gary Sgrignoli

DTV Transmission Engineer



Phone: 847-259-3352

E-mail: gary.sgrignoli@IEEE.org



A one-day seminar will be presented on the ATSC's digital television (DTV) vestigial sideband (VSB) transmission system *measurement methodologies*. This seminar, a follow-up to the original VSB Fundamentals seminar, is aimed at broadcasters, broadcast consultants, equipment manufacturers (broadcast, consumer, & test), translator/LPTV operators, and cable operators. The seminar will help you develop a basic understanding of 8-VSB transmission system measurements in the *laboratory*, at a *transmitter* site, and at remote *field* test sites. Practical test equipment information such as features, options, specs, & other performance requirements will be covered. Attendance at this seminar earns one SBE credit towards re-certification and it can facilitate preparation for the SBE *VSB Specialist Certification* exam.

Sponsors:



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The seminar will focus on the following topics:

- **Brief 8-VSB Transmission System Review**
- **Basic Measurement Concepts**
 - Power meters
 - Spectrum analyzers
 - Clock frequency & jitter analyzers
- **VSB LABORATORY Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.
- **VSB TRANSMITTER Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.
- **VSB FIELD Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.

Seminar Questions?

Contact: **Paul T. Black**
RF Specialties
Treasurer SBE 40
Phone: 925-827-9511
E-mail: paultblack@comcast.net

Contact: **Gary Sgrignoli**
Meintel, Sgrignoli, & Wallace
Phone: (847) 259-3352
Email: Gary.Sgrignoli@IEEE.org

Time for Q and A will be allowed and encouraged throughout the all-day Power Point presentation. In-depth (800-page) seminar notes and reference material will be handed out to all attendees. Lunch and refreshments will be included in the registration fee. Dress will be *casual*.

Enrollment is limited, so please RSVP soon.

Cost is **\$75** when pre-registered; **\$85** at the door

Make checks *payable* to: **SBE Chapter 40**

This seminar is open to the public

Hurry! Enrollment is LIMITED!

Registration Form

Contact name

Company

Address

City

State

Zip

Phone

Fax

E-mail Address

(Registration will be verified by e-mail, whenever possible, along with detailed campus map)

Please enclose **\$75** for *each pre-registered* registrant;
Checks must be received no later than **Monday 11/13/07**

List names below:

- 1) _____
- 2) _____
- 3) _____
- 4) _____

Method of payment:

Total enclosed

Check enclosed *payable* to: **SBE Chapter 40** \$ _____

Mail Payment To:

Paul T. Black (SBE Chapter 40)

PointBlank Services
RF Specialties of California Representative
82 Baylor Lane
Pleasant Hill, CA 94523

E-mail:

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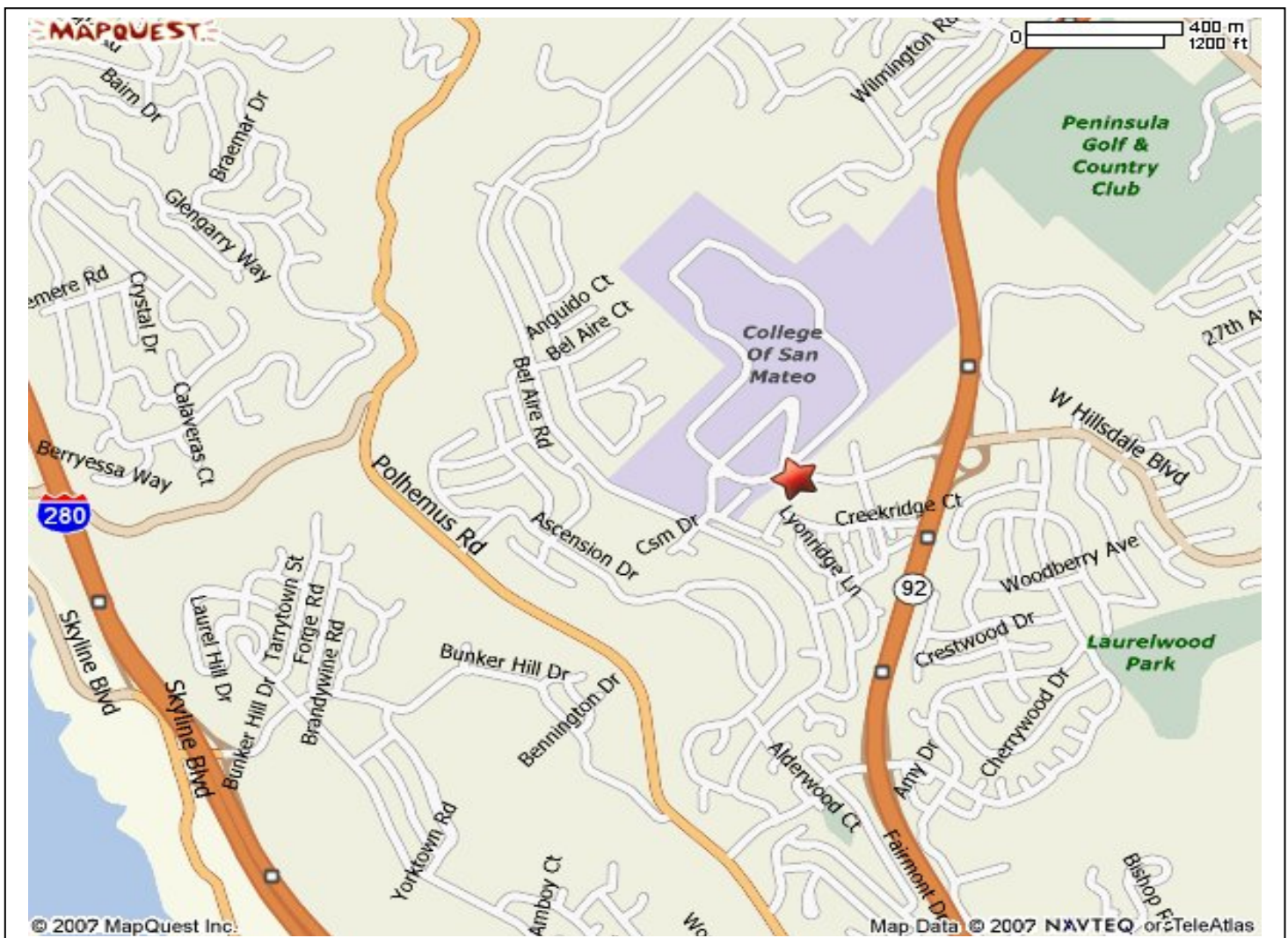
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Free Parking ... TBA

KCSM Switchboard (650) 574-6586