



Low Frequency Network Analysis

Use the full potential of the Bode 100 VNA



OMICRON Lab Workshop

Learn how to effectively use
Low Frequency Network Analysis
in compact half-day hands-on workshop
January 31, 2012 - 13:30 to 17:00
or
February 1, 2012 - 8:45 to 12:15

Program

Topics

In this compact half-day hands-on workshop you learn how to utilize the Bode 100 more efficiently and effectively to solve your daily measurement tasks.

After a short theoretical introduction to the applications of low frequency network analysis, the following live measurements will be demonstrated:

- High Q - Filter Analysis
- Stability Analysis of control loops, switched mode power supplies and voltage regulators
- PSRR, Reverse Rejection and Crosstalk of power supplies
- Input & Output impedance measurement of active circuits
- Battery impedance measurements
- Frequency swept impedance measurement of electronic components

In addition, all participants are invited to bring their own measurement objects for use in the practical measurements section.

Presenter



Bernhard Baumgartner

is taking care of the product management of the Bode 100 right from its market introduction back in 2006. Before joining OMICRON Lab, Bernhard worked as hardware developer, product manager and director of product management in the digital broadcast industry.

Participants

- Electronic engineers that need to measure circuit characteristics and complex impedances in frequency ranges usually not covered by standard VNAs
- Electronic Engineers that face the challenge to fully characterize a power supply or the stability of a control loop

Agenda

You can choose from two sessions:

January 31, 2012 (afternoon session)

- 13:30 - 13:45 Registration, Welcome
- 13:45 - 14:15 A short introduction to the application of low frequency network analysis
- 14:15 - 15:15 Practical Measurements Part I
- 15:15 - 15:30 Coffee Break
- 15:30 - 16:30 Practical Measurements Part II
- 16:30 - 17:00 Q & A

or

February 1, 2012 (morning session)

- 08:45 - 09:00 Registration, Welcome
- 09:00 - 09:30 A short introduction to the application of low frequency network analysis
- 09:30 - 10:30 Practical Measurements Part I
- 10:30 - 10:45 Coffee Break
- 10:45 - 11:45 Practical Measurements Part II
- 11:45 - 12:15 Q & A

Note

Each session is limited to 10 participants.
Seats are assigned on order of registration.

Free Participation

The participation in our seminar is free of charge.

Venue

The half-day hands-on workshops will take place at the following location:

Greenway Plaza

3 Greenway Plaza
Houston, TX 77046

www.greenwayplaza.com

We will be located in the Conference Center Boardroom which is on the concourse level (underground near the food court).

Driving Directions

From George Bush Intercontinental Airport

Highway 59 South to Buffalo Speedway Exit
Turn right onto Buffalo Speedway,
then left into Greenway Plaza.

From William P. Hobby Airport

Highway 45 North to Highway 59 South.
Exit Buffalo Speedway.
Turn right onto Buffalo Speedway,
then left into Greenway Plaza.

Accommodation

For participants who arrive before or leave after the day of the workshop, we recommend a stay in one of the following hotels:

Renaissance Hotel 1-713-629-1200
6 Greenway Plaza, Houston, TX 77046
(Within walking distance of the seminar location)

Holiday Inn Select 1-713-523-8448
2712 Southwest Freeway, Houston, TX 77098 5
www.houston-greenwayplaza.hiselect.com

Four Points by Sheraton 1-713-942-2111
2828 SW Freeway, Houston, TX 77098 5

LaQuinta 1-713-623-4750
4015 SW Freeway, Houston, TX 77027

Hampton Inn 1-713-871-9911
4500 Post Oak Pkwy., Houston, TX, 77027

Please let us know if you need any other information. We will be happy to assist you.

Organization

OMICRON Lab
OMICRON electronics Corp. USA
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Houston, TX 77046, USA
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Fax: 1-713-830-4661
E-Mail: angela.sayegh@omicronusa.com



Registration

Register until:
January 25, 2012

Please register online at
www.omicron-lab.com/registration
or send the filled form below to:

OMICRON Lab,
OMICRON electronics Corp. USA
12 Greenway Plaza, Suite 1510
Houston, TX 77046, USA
Fax: 1-713-830-4661

- Yes, I would like to attend the free OMICRON Lab workshop **on January 31, 2012.**
- Yes, I would like to attend the free OMICRON Lab workshop in **on February 1, 2012.**

Name:

Function:

Company:

Address:

City/ZIP Code:

Phone/Fax:

E-Mail:

Signature:

We look forward to seeing from you!