

DATE & VENUE:

Thursday 5th March 2009

Adelaide

Technology Park Conference Centre
Mawson Lakes Boulevard
Technology Park
MAWSON LAKES SA 5092

FREE AGILENT SEMINAR

Bookings:

Please complete the registration form over leaf and return to:

Tassia Gourtzis
Fax: (03) 9210 5929
or
Email: tassia_gourtzis@agilent.com
with contact/registration details

RF & MICROWAVE TEST SEMINAR



347 Burwood Highway
Forest Hill, VIC, 3131

Phone: 03 9210 5963
Fax: 03 9210 5929
Email: tassia_gourtzis@agilent.com



RF & Microwave Test Seminar

This free event will begin with the morning dedicated to the fundamentals of Signal Generators, Spectrum and Signal Analysers and Network Analysers.

After lunch, we will introduce the new technology surrounding X-parameters and the first Non-Linear Vector Network Analyser, the PNA-X. This will be in the form of presentation and demonstration of the IMD and Gain Compression features of the PNA-X. (NVNA will be discussed)



NETWORK ANALYSIS AND TRANSMISSION LINE THEORY

Learn what kind of measurements are made with network analysers and how they allow you to characterise both linear and nonlinear behaviour of devices. Transmission lines, Smith Chart and the concepts of reflection, transmission & S-parameters will be outlined. Error modeling and various calibration techniques will then be presented. Finally, some typical swept-frequency and swept-power measurements commonly performed on filters and amplifiers will be described.

SIGNAL GENERATION

This presentation will outline the basics on the signals required to test a variety of products from amplifiers to highly secure communication systems. Next, we will review the basics of signal generators and the applications where signal generators are used. Block diagrams will be reviewed where appropriate and signal generator specifications will also be discussed.



The PNA-X. Beyond S-Parameters

The Agilent PNA-X was introduced last year to amazing fanfare and multiple award wins. The new PNA-X architecture provides a 2 or 4 port analyser with 1 or 2 sources for fast and simple mixer and converter measurements; high output power, low source harmonics, wide power sweep range, and high receiver compression for simple and accurate amplifier measurements; an internal Combiner network allowing for IMD testing and Gain Compression with NO external accessories; Industry's only network analyser with internal pulse modulators and pulse generators; Internal switches for adding external filters, pre-amplifiers, and additional test equipment, while leaving the DUT connected to the front panel.

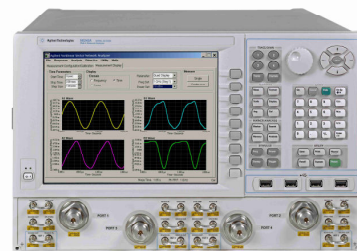
All of these features along with applications to boost your productivity. These include:

- Fully Corrected Noise Figure
- Vector and Scalar corrected Freq. Converters
- Gain Compression
- Intermodulation Distortion
- Non-Linear VNA, X-Parameters.

This product and feature set will all be discussed after the lunch break.

SPECTRUM & SIGNAL ANALYSIS

Learn why spectrum analysis is important and how to measure system and device performance using a spectrum analyser. The theory of operation and major components inside the analyser will be briefly discussed. Next, you will learn the spectrum analyser specifications that are important for your application. Finally, features of a spectrum analyser that make it effective in making modern measurements will be introduced.



Please see over page for registration information

AGILENT RF & MICROWAVE TEST SEMINAR

AGENDA:

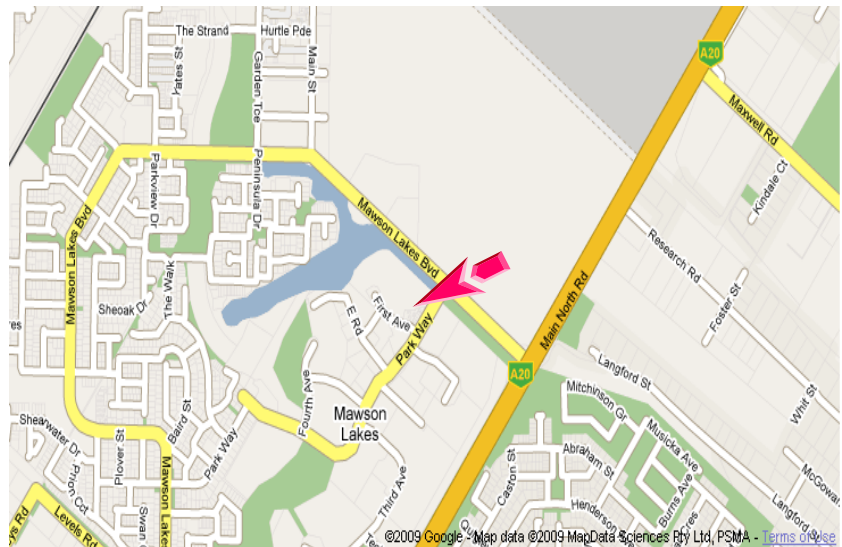
- 8.30 - 9.00 Registration
- 9.00 - 9.15 Welcome note & intro to Agilent's RF & Microwave Test Seminar
- 9.15 - 10.00 Fundamentals of Signal Generation
- 10.00 - 10.15 Morning Tea
- 10.15 - 11.15 Fundamentals of Spectrum & Signal Analysis
- 11.15 - 12.00 Fundamentals of Network Analysis
- 12.00 - 12.15 Q&A and wrap up for Fundamentals attendees
- 12.15 - 13.00 Lunch
- 13.45 - 14.30 The PNA-X, Active Device Analyser

HOW DO I REGISTER?

Admission is free of charge but seating is limited so we recommend early registration. Please fax back this completed form on 03 9210 5929 or email your contact details (name, job title, company, city, phone and fax numbers) to tassia_gourtzis@agilent.com

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Technology Park
Mawson Lakes SA 5092



Name _____

Title _____

Company _____

Phone _____ Fax _____

Email Address _____

Seating is limited, so please be sure to apply early. Confirmation of registration plus further details will be sent prior to the event. *Feel free to circulate this invitation to interested colleagues.*

If you are unable to attend the seminar but would like more information regarding Agilent RF & Microwave Test Seminar, please contact tassia_gourtzis@agilent.com or phone 03 9210 5963.

Office use only:
MC19236



Agilent Technologies