



Analysis to Improve the Accuracy and Reliability of VNA Measurements

Service Data Sheet

PS-X10-100

- Understand the Agilent VNA operation, where the potential for measurement error exists, and how to properly operate the analyzer for the most accurate measurements
- Receive comprehensive theory about using a VNA to characterize DUT transmission and reflection characteristics
- Improve productivity by increasing measurement quality

Service Description

Agilent's Analysis to Improve the Accuracy and Reliability of VNA Measurements is designed to offer assistance with evaluating and increasing the accuracy and repeatability of RF testing, as well as improving test limits.

Service Scope

An Agilent technical consultant will conduct an on-site analysis of your test environment and testing methodology. Included with this service is:

- A review of your measurement needs with respect to the overall business plan
- A review of product measurable specifications and the test system architecture

Upon completion of the review, the consultant will make recommendations for improvements in the test methodology, modifications in test specifications, and alterations to the test hardware and fixtures to improve accuracy and decrease test time. The

consultant will also assist with the implementation process to ensure measurement accuracy and repeatability are improved.

The time required to effectively deliver this service is dependant on the scope of the consulting engagement.

Business Need

- Improve measurement quality for higher yields and reduced costs
- Increase effectiveness

What You Will Receive

- The services of an Agilent technical consultant experienced in optimizing test system measurements and designing testing methodologies
- A written report detailing observations and conclusions
- Hands-on assistance upgrading test systems to implement recommendations
- Impact assessment of implemented changes

Required From Customer

- Access to the test equipment being used
- Access to engineers and technicians who use the equipment
- Access to information about the DUTs
- Description of tests being performed

Ordering Information

Contact your local Agilent Sales Representative for a custom quotation.

Related Services

- Understanding VNA Time Domain Analysis
- Understanding VNA Measurements
- VNA Fixturing and Calibration Assistance
- Test System Uncertainty Analysis



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Product specifications and descriptions in this document subject to change without notice.

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Printed in USA, November 9, 2004

5988-5366EN



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