



**THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION**

ACCREDITED LABORATORY

A2LA has accredited

**ANRITSU COMPANY CALIBRATION SERVICE
Pine Brook, NJ**

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard **ISO/IEC 17025:2005** *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. This accreditation also demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005*).

Presented this 31st day of May 2006



President
For the Accreditation Council
Certificate Number 2160.03
Valid to April 30, 2008

For the calibrations to which this accreditation applies,
please refer to the laboratory's Calibration Scope of Accreditation.



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO 17025:2005 & ANSI/NCSL Z540-1-1994

ANRITSU COMPANY CALIBRATION SERVICE
PINE BROOK FACILITY
10 New Maple Avenue, Unit 305.
Pine Brook, NJ 07058

Yeou-Song (Brian) Lee Phone: 408 201 1976

CALIBRATION

Valid To: April 30, 2008

Certificate Number: 2160.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Electrical – RF/Microwave

Parameter/ Range	Frequency	Best Uncertainty ² (±)	Comments
Frequency (MF241X) – Oscillator	10 MHz 100 MHz 500 MHz 1 GHz 10 GHz 20 GHz 30 GHz 40 GHz	1.2 Hz 1.2 Hz 1.2 Hz 1.3 Hz 6.2 Hz 12 Hz 18 Hz 24 Hz	Direct readings
With GPS Disciplined Oscillator	10 MHz	3×10^{-10}	

Roxanne M. Robinson



Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Optical Power @ 850 nm, 1300 nm, 1550 nm wavelength	(0 to 10) dBm (-10 to 0) dBm (-15 to -10) dBm	1.5 % 1.6 % 1.7 %	Direct comparison

¹ This laboratory offers commercial calibration service.

² “Best Uncertainty” is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer’s device and to influences from the circumstances of the specific calibration.

Russell M. Robinson