



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

CALRIGHT INSTRUMENTS, INC.
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CALIBRATION

Valid To: March 31, 2019

Certificate Number: 3441.01

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	CMC ² (±)	Comments
Absolute Power – Measure			
(-30 to 10) dBm (10 to 20) dBm	100 kHz to 4.2 GHz	0.085 dB 0.17 dB	Agilent E4418B w/ HP 8482A
(-30 to 10) dBm (10 to 20) dBm	50 MHz to 26.5 GHz	0.13 dB 0.19 dB	Agilent E4418B w/ HP 8485A
(-30 to 10) dBm (10 to 20) dBm	50 MHz to 50 GHz	0.19 dB 0.24 dB	Agilent E4418B w/ Agilent 8487A

II. Time & Frequency

Parameter/Equipment	Frequency	CMC ² (±)	Comments
Frequency – Measure	10 MHz	13 pHz/Hz	Agilent HP 53132A, 58503A
Frequency – Measuring Equipment ³	10 MHz	1.5 pHz/Hz	Agilent HP 58503A

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) 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 or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ After 24 hours of GPS lock and uninterrupted tracking of 4 or more satellites

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Accredited Laboratory

A2LA has accredited

CALRIGHT INSTRUMENTS, INC.

San Diego, CA

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/NCSLI Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 31st day of May 2017.

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President and CEO
For the Accreditation Council
Certificate Number 3441.01
Valid to March 31, 2019

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