



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL TECHNICAL SYSTEMS (NTS)

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ACOUSTIC AND VIBRATION

Valid to: March 31, 2020

Certificate Number: 0214.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to the laboratory to perform the following acoustic and vibration tests:

**Tests**

**Test Methods**

Acoustic Noise

GR-63-CORE; GR-487-CORE;  
ISO 7779:1999

Airborne Noise

MIL-STD-740-1

Structureborne Noise

MIL-STD-740-2

Vibration<sup>1</sup> –

Sine / Random / Mixed Mode (Sine-on-Random and  
Random-on-Random)

Electrodynamic Shakers: (2 to 3000) Hz

Up to 36,000 Force Pounds

Up to 3 inches displacement

Siesmic Hydraulic Shakers: (.1 to 500) Hz

12,000 Force Pounds

10 inches displacement

Up to 40 inches / second velocity

Windmilling Hydraulic Shakers (.1 to 50) Hz

10,000 Force Pounds

16 inches displacement

Up to 200 inches / second velocity

GR-49-CORE; EIA-364-28;

ETSI EN 300 019-2-1;

ETSI EN 300 019-2-2;

ETSI EN 300 019-2-3;

ETSI EN 300 019-2-4; GR-63-CORE;

GR-487-CORE; GR-950-CORE;

MIL-DTL-38999; MIL-STD-167-1 & 1A;

MIL-STD-202 (all versions);

MIL-STD-810 (all versions);

RTCA/DO-160 (all versions)

**Tests**

Shock<sup>1</sup>  
Electrodynamic Shakers: (2 to 3000) Hz  
Up to 36,000 Force Pounds  
Up to 3 inches displacement

High Impact Shock

Drop

Earthquake Seismic Simulation<sup>1</sup>  
Siesmic Hydraulic Shakers: (.1 to 500) Hz  
12,000 Force Pounds  
10 inches displacement  
Up to 40 inches / seconds velocity

**Test Methods**

EIA-364-27; ETSI EN 300 019-2-1;  
ETSI EN 300 019-2-2;  
ETSI EN 300 019-2-3;  
ETSI EN 300 019-2-4; GR-487-CORE;  
MIL-STD-202 (all versions);  
MIL-STD-810 (all versions);  
RTCA/DO-160 (all versions)

MIL-S-901;  
MIL-STD-202 (all versions)

GR-49-CORE;  
GR-63-CORE;  
GR-487-CORE;  
GR-950-CORE

GR-63-CORE;  
GR-487-CORE;  
GR-950-CORE;  
AC156

<sup>1</sup> *This laboratory also uses customer supplied specifications and/or methods directly related to the testing technologies and parameters listed above.*

**On the following types of equipment:**

Telecommunication Equipment, Network Equipment, Industrial and Commercial Equipment, Electronic (Digital) Equipment, Aerospace





## *Accredited Laboratory*

A2LA has accredited

# **NATIONAL TECHNICAL SYSTEMS (NTS)**

*Fullerton, CA*

for technical competence in the field of

## **Acoustics and Vibration Testing**

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 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 April 2017).



Presented this 20<sup>th</sup> day of September 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 0214.01  
Valid to March 31, 2020

*For the tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration Scope of Accreditation.*