

SCOPE OF ACCREDITATION TO ISO/IEC 17025:20



<u> Fitle / Description:</u>	Test Method(s) ¹ :
------------------------------	-------------------------------

Mechanical Shock, Random Drôp Up to 5000 g's MIL-

Test Method(s)¹: Title / Description:

Temp & Temp/Humidity CyclingHumidity,

Moisture

GR-63-CORE Section4.1.2*; GR-3108CORE*; GR-3160CORE*; MIL-STD-810 (Method 507)*;

RTCA DO-160 (Section 6)*

Humidity: 30% RH to 95% RH

HALT/HASS² (-100 to 200) °C

> Up to 50 g's 5kHz to 10kHz

NOR ENV 06

Degrees oProtection Provided by EnclosuresCEI/IEC 60529Ed. 2.1(2001-02)

Access to Hazardous Parts (Sections 12.3.1, 12.3.2, 12.3.3,1&.2)

Solid Foreign Objects (Sections 13.2, 13.3, 13.4)*

Water (Sections 14.2.1, 14.2.2, 14.2.3, 14.2.4, 14.2.5, 14.2.6,

14.2.7,& 14.2.8)*; Dust Protection of Electrical Equipment ISO 20653 IPX9K

ISTA Preshipment Test Procedures

Vibration, Rotational Shock

(NTS Boxborough also listed by ISTA)

ISTA Preshipment Test Procedures

Drop, Shock except horizontal impact test 1A, 1B, 1C, 1D, 1E, 1G, 1H, 2A, 2B, 2C, 2D, 2E, 3A,

3E, 3F, 3H, 5B, 7B, 7C, 7,06-series*

Environmental Test Methods & Engineering MIL-STD-810 (Methods 500, 501, 502, 503, 506, 50 Guidelines 509, 512& 521)*

Test Method& Procedures for

Microelectronics

MIL-STD-883 (Methods 1001, 1002, 1003, 1004, 10

1007, 1008, 1009, 1010, 1011, 10&21013); RTCA/DO-160 (Sections 4, 5, 6 &)* &

T-0 0 16O8.72 362.52 252.8404 72 300.24 T

<u>Title / Description:</u> <u>Test Method(s)</u>¹:

Seismic ATIS 0600329;

GR-63-CORE*; GR-3108-CORE*; GR-3160-CORE*;

IEEE STD 3442004*;

IBC 2000*; AC156*

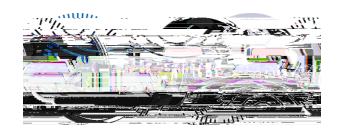
Explosive Atmosphere MIL-STD-810 (Method 511.4)*;

RTCA/DO-160 (Section 9)

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA Regularial Requirements Accreditation of ISQEC 17025 Laboratories.

² Also using customespecified methods directly related to the types of tests and parameters listed above.

^{*}All Revisions of standard are included.



A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY BOXBOROUGH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017

. This accreditation demonstrates

technical competence for a defined scope and the operation of a laboratory quality management system

(



Presented this 31st day of October 2023.

Mr. Trace McInturff, Vice President, Accreditation Services