



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT U.S. SPACE & DEFENSE
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ELECTRICAL

Valid To: March 31, 2026

Certificate Number: 214.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic compatibility, electrical characteristic, and fiber optic tests:

Test:

Test Method(s):

Immunity

Electrostatic Discharge (ESD)

EN 61000-4-2; IEC 61000-4-2

Aerospace

RTCA/DO-160D-G Sections: 15, 16, 17, 18, 19, 20, 21, 22, 25;
Boeing D6-16050-5 Paragraphs: 7.1, 7.2, 8.1, 8.2;
Boeing 787B3-0147, Rev. C;
Boeing D6-16050-4;
Airbus ABD0100.1.8, Issue D

Military/Defense
(RS03 and RS103 testing up to 40
GHz and 200 V/m)

MIL-STD-461A-C/462 Methods CE01, CE02, CE03, CE04,
CE06, CE07, CS01, CS02, CS04, CS05, CS06, RE01, RE02,
RS01, RS03;
MIL-STD-461D/462D Methods CE101, CE102, CE106, CS101,
CS103, CS104, CS105, CS109, CS114, CS115, CS116, RE101,
RE102, RS101, RS103;
MIL-STD-461E Methods CE101, CE102, CE106, CS101,
CS103, CS104, CS105, CS109, CS114, CS115, CS116, RE101,
RE102, RS101, RS103;
MIL-STD-461F Methods CE101, CE102, CE106, CS101,
CS103, CS104, CS105, CS106, CS109, CS114, CS115, CS116,
RE101, RE102, RS101, RS103, RS105;
MIL-STD-461G CE101, CE102, CS101, CS114, CS115,
CS116, CS117, CS118, RE101, RE102, RE103, RS101, RS103;
MIL-STD-704A-F; MIL-STD-1399 Sections: 070, 300A/B

Test:

Test Method(s):

Electrical/Mechanical Tests for Connectors

Contact Resistance	EIA 364-06 B, C; MIL-STD-202 Method 307
Dielectric Withstanding Voltage (DWV)	EIA 364-20 C, D, E; MIL-STD-202 Method 301
Insulation Resistance	EIA 364-21 C, D, E; MIL-STD-202 Method 302
Shell Conductivity	EIA 364-83 A; EIA 364-83:1999
Low Level Contact Resistance (LLCR)	EIA 364-23 B, C

On the following types of equipment:

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





Accredited Laboratory

A2LA has accredited

ELEMENT U.S. SPACE & DEFENSE

Fullerton, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 7th day of May 2024.

A handwritten signature in blue ink, appearing to be "A. M. ...", positioned above a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.02
Valid to March 31, 2026

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