



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY - MELBOURNE

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Melbourne, FL 32904

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ELECTRICAL

Valid To: February 28, 2023

Certificate Number: 1719.04

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

**Test Description:**

**Tests Method(s):**

Power Quality Test<sup>1</sup>

RTCA/DO-160, Section 16;  
MIL-STD-704;  
MIL-STD-1275;

Conducted Susceptibility,  
Transient<sup>1</sup>

MIL-STD-461, Method CS106;  
MIL-STD-461, Method CS115;  
MIL-STD-461, Method CS116;  
RTCA/DO-160, Section 17;  
AIRBUS ABD0100.1.2, Section 3.4  
BOEING D6-16050-4, Section 7.5;  
BOEING D6-16050-5, Section 7.5;  
BOEING D6-16050-6, Section 7.5;

Electrostatic Discharge (ESD)

RTCA/DO-160, Section 25;  
AIRBUS ABD0100.1.2, Section 3.5;  
BOEING D6-16050-4, Section 7.1;  
BOEING D6-16050-5, Section 7.1;  
BOEING D6-16050-6, Section 7.1;

Conducted Susceptibility, Audio  
Frequency<sup>1</sup>

MIL-STD-461, Method CS101;  
MIL-STD-461, Method CS109;  
SAE J1113-2:1996-09  
RTCA/DO-160, Sections 18 and 19;  
AIRBUS ABD0100.1.2, Section 3.4;

Conducted Susceptibility,  
Radio Frequency<sup>1</sup>

MIL-STD-461, Method CS114;  
RTCA/DO-160, Section 20;  
AIRBUS ABD0100.1.2, Section 3.3.2;  
BOEING D6-16050-4, Section 7.3;  
BOEING D6-16050-5, Section 7.3;  
BOEING D6-16050-6, Section 7.3;

**Test Description:**

Radiated Susceptibility,  
Audio Frequency<sup>1</sup>

Radiated Susceptibility,  
Radio Frequency<sup>1</sup>

Conducted Emissions,  
Audio Frequency<sup>1</sup>

Conducted Emissions,  
Radio Frequency<sup>1</sup>

Radiated Emissions,  
Magnetic Field<sup>1</sup>

Radiated Emissions,  
Electric Field<sup>1</sup>

**Tests Method(s):**

MIL-STD-461, Method RS101;  
RTCA/DO-160, Section 19;  
AIRBUS ABD0100.1.2, Section 3.4;  
BOEING D6-16050-4, Section 7.2;  
BOEING D6-16050-5, Section 7.2;  
BOEING D6-16050-6, Section 7.2;

MIL-STD-461, Method RS103;  
RTCA/DO-160, Section 20;  
AIRBUS ABD0100.1.2, Section 3.3;  
BOEING D6-16050-4, Section 7.3;  
BOEING D6-16050-5, Section 7.3;  
BOEING D6-16050-6, Section 7.3;

MIL-STD-461, Method CE101;  
BOEING D6-16050-4, Sections 8.3.1 and 8.3.2;  
BOEING D6-16050-5, Section 8.1.1;  
BOEING D6-16050-6, Section 8.3

MIL-STD-461, Method CE102;  
RTCA/DO-160, Section 21;  
AIRBUS ABD0100.1.2, Section 3.4.5;  
BOEING D6-16050-4, Section 8.4;  
BOEING D6-16050-5, Section 8.2;  
BOEING D6-16050-6, Section 8.4

MIL-STD-461, Method RE101;  
RTCA/DO-160, Section 15;  
AIRBUS ABD0100.1.2, Section 3.4.1

MIL-STD-461, Method RE102;  
MIL-STD-461, Method RE103;  
RTCA/DO-160, Section 21;  
AIRBUS ABD0100.1.2, Section 3.4.5;  
BOEING D6-16050-4, Section 8.4;  
BOEING D6-16050-5, Section 8.2;  
BOEING D6-16050-6, Section 8.4

<sup>1</sup> This lab is capable of performing current and older versions of MIL-STD-461 (versions A through G) and RTCA/DO-160 (versions A through G) for the methods listed above. The methods listed above on this Scope are accredited.



## Accredited Laboratory

A2LA has accredited

### ELEMENT MATERIALS TECHNOLOGY - MELBOURNE

Melbourne, FL

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 24<sup>th</sup> day of February 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1719.04  
Valid to February 28, 2023

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