SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ROCKFORD
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ELECTRICAL

Valid To: February 29, 2028 Certificate Number: 0214.28

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

Test Technology:	**Test Method(s) [1]:**
Emissions	
Conducted and Radiated [2] (up to 13.5 GHz)	47 CFR FCC Part 15B (using ANSI C63.4:2014); 47 CFR FCC Part 18 (using MP-5:1986); ANSI C63.4:2014; ICES-003:2020; VCCI V-3 (up to 6GHz); EN 55011; CISPR 11; AS CISPR 11; KS C 9811; CISPR 11:2015 +A1:2016 +A2:2019; EN 55014-1 (excluding power disturbance measurements); CISPR 14-1 (excluding power disturbance measurements); AS/NZS CISPR 14-1; KS C 9814-1 (excluding power disturbance measurements); EN 55022; CISPR 22; AS/NZS CISPR 22; EN 55032; CISPR 32; AS/NZS CISPR 32; KS C 9832
Harmonics and Flickers	IEC 61000-3-2:2018; IEC 61000-3-3:2013 +A1:2017
Immunity	
Electrostatic Discharge (ESD) [2]	EN/IEC 61000-4-2; AS/NZS 610004.2; KS C 9610-4-2; IEC 61000-4-2:2008
Radiated Immunity [2]	EN/IEC 61000-4-3; AS/NZS 61000.4.3; KS C 9610-4-3
Electrical Fast Transient/Burst (EFT) [2]	EN/IEC 61000-4-4; AS/NZS 61000.4.4; KS C 9610-4-4; IEC 61000-4-4:2012
Surge Immunity [2]	EN/IEC 61000-4-5; AS/NZS 61000.4.5; KS C 9610-4-5; IEC 61000-4-5:2014 +A1:2017
Conducted Immunity [2]	EN/IEC 61000-4-6; AS/NZS 61000.4.6; KS C 9610-4-6; IEC 61000-4-6:2013

Test Technology:	**Test Method(s) [1]:**
Power Frequency Magnetic Field [2]	EN/IEC 61000-4-8; AS/NZS 61000.4.8; KS C 9610-4-8; IEC 61000-4-8:2009
Voltage Dips/Interrupts and Variations [2]	EN/IEC 61000-4-11; AS/NZS 61000.4.11; KS C 9610-4-11; IEC 61000-4-11:2004 +A1:2017
MIL-STD / RTCA/DO	
Conducted Emissions [2]	MIL-STD-461C; MIL-STD-462C; MIL-STD-461E, F, and G (CE101, CE102, CE106); MIL-STD-462D (CE101, CE102, CE106); MIL-STD-462 (CE01, CE03, CE07); RTCA/DO-160 C, D, E, F, and G, Section 21
Radiated Emissions [2]	MIL-STD-461C; MIL-STD-462C; MIL-STD-461 (RE101, RE102, RE103); MIL-STD-462D (RE101, RE102, RE103); MIL-STD-462 (RE01, RE02); RTCA/DO-160 C, D, E, F, and G, Sections 15 and 21
Electrostatic Discharge (ESD) [2]	RTCA/DO-160 C, D, E, F, and G, Section 25; MIL-STD-1686C; MIL-STD-461G (CS118)
Radiated Immunity [2]	MIL-STD-461E, F, and G (RS101, RS103, RS105); MIL-STD-462D (RS101, RS103); MIL-STD-462 (RS01, RS02, RS03); MIL-STD-461C; MIL-STD-462C; RTCA/DO-160 C, D, E, F, and G, Section 20
Conducted Immunity [2]	MIL-STD-461E, F, and G (CS103, CS104, CS105, CS109, CS114, CS115, CS116); MIL-STD-461C; MIL-STD-462C; MIL-STD-462D (CS103, CS104, CS105, CS109, CS114, CS115, CS116); MIL-STD-462 (CS01, CS02, CS06); RTCA/DO-160 C, D, E, F, and G, Section 20
Power Frequency Magnetic Field [2]	MIL-STD-461D, E, F, G, (RS101); MIL-STD-462 (RS01); MIL-STD-461C; MIL-STD-462C; RTCA/DO-160 C, D, E, F, G, Section 15
Voltage Spike [2]	MIL-STD-461F (CS106); RTCA/DO-160 C, D, E, F, and G, Section 17
Power Input [2]	MIL-STD-704A, B, C, D, E, and F; RTCA/DO-160 C, D, E, F, and G, Section 16
Audio Frequency Conducted Susceptibility [2]	MIL-STD-461D, E, F, and G (CS101); MIL-STD-462 (CS01); MIL-STD-461C; MIL-STD-462C
Induced Signal Susceptibility [2]	RTCA/DO-160 C, D, E, F, and G, Section 19
Lightning Induced Transient [2]	MIL-STD-461G (CS117); RTCA/DO-160 C, D, E, F, and G, Section 22

Test Technology:	**Test Method(s)** [1]**:**
Automotive EMC	
Conducted and Radiated Emissions	EN 55012; CISPR 12; AS/NZS CISPR 12; CISPR 25 for RE (2016, 2021) Section 6.5; CISPR 25 for CE (2016, 2021) Sections 6.3 and 6.4; EN 55025 (sections 6.3 and 6.4); ECE Regulation 10
ESD	ISO 10605; ISO 10605:2008
Bulk Current Injection (BCI)	ISO 11451-1; ISO 11452-4
Immunity of vehicles to electromagnetic disturbances from on-board transmitters	ISO 11451-3
Conducted Transient Immunity on Supply Lines	ISO 7637-2
Generic and Product Family Standards	EN/IEC 61000-6-1; AS/NZS 61000.6.1; EN/IEC 61000-6-2; AS/NZS 61000.6.2; EN/IEC 61000-6-3; EN/IEC 61000-6-4; CISPR 14-2; EN 55014-2; AS/NZS CISPR 14-2; CISPR 24; EN 55024; AS/NZS CISPR 24; KS C 9824; CISPR 35 (excluding Annex A-H); EN 55035 (excluding Annex A-H); AS/NZS CISPR 35; KS C 9835 (excluding Annex A-H); BS EN/IEC 60601-1-2 (proximity magnetic fields frequency range 30 kHz – 13.56 MHz); IEC 60601-1-2:2020; BS EN/IEC 60947-1; BS EN/IEC 60439-1; EN 61326-2-6:2013; EN 61326-2-6:2021; BS EN/IEC 61326-1; BS EN/IEC 61326-2; BS EN 50130-4; BS EN 50131-1; EN 61800-3; IEC 61800-3 (up to 75A, 1000V); IEC 61851-21-1:2017; IEC 61800-5-1:2022; IEC 61558-1:2017; IEC 61558-2-16:2021 (limited to Partial Discharge Test, Impulse Voltage Test, Insulation Resistance Test, Dielectric Withstand Test)

On the following product types:
Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, and Commercial.

[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 Annex A, Part C of A2LA *R101 - General Requirements: Accreditation of Conformity Assessment Bodies.*

[2] This laboratory performs field testing activities for the noted tests.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.:		
Rule Subpart/Technology	**Test Method**	**Maximum Frequency (MHz)**
Unintentional Radiators		
Part 15B	ANSI C63.4:2014	13500
Industrial, Scientific, and Medical Equipment		
Part 18	FCC MP-5 (February 1986)	13500
Note: Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (https://apps.fcc.gov/oetcf/eas/) for a listing of FCC approved laboratories.		

Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY ROCKFORD

Rockford, IL

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 23rd day of March 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.28
Valid to February 29, 2028

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