



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DENVER/LONGMONT
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ELECTRICAL

and Surge tests:

Test Technology

Test Methods¹

Emissions

Radiated and Conducted (m ()T

<u>Test Technology</u>	<u>Test Methods</u>
Surge	IEC 610004-5; EN 610004-5; KS C 96104-5; IEEE C62.41.1 (2002); IEEE C62.41.2 (2002); IEEE C62.45 (2002)
Conducted Immunity	IEC 610004-6; EN 610004-6; KS C 96104-6
Magnetic Field Immunity	IEC 610004-8 (excluding short duration mode) EN 610004-8 (excluding short duration mode) KS C 96104-8 (excluding short duration mode) IEC 610004-39 (Medical Devices only) EN 610004-39 (Medical Devices only)
Voltage Dips, Short Interruptions and Voltage Variations	IEC 610004-11; EN 610004-11; KS C 96104-11
Generic/Product Family Standards and Industry Standards	IEC 610006-1; EN 610006-1; KS C 96106-1; IEC 610006-2; EN 610006-2; KS C 96106-2; IEC 610006-3; EN 610006-3; KS C 96106-3; IEC 610006-4; EN 610006-4; KN 610006-4; KS C 96106-4; IEC 606011-2; EN 606011-2; KS C IEC 606011-2; EN 613261; CISPR 24; EN 55024; KS C 9824 CISPR 35 (excluding Annex-A); EN 55035 (excluding Annex A-H); KS C 9835 (excluding Annex-A); CISPR 142; EN 550142; KS C 98142; ISO 717621
Automotive Automotive Radiated Emissions	CISPR 25 (2008, 2010, 2021); CISPR 25
Radiated Immunity- ALSE (200 MHz- 6 GHz [100 V/m]) (1.2 GHz -3.2 GHz [100V/m])	ISO 114522; ISO 114522 (2019) Road Vehicles- Component Test: Methods for electrical disturbances from narrowband radiated electromagnetic energy- Part 2: Absorbed Shielded Enclosure
Radiated Immunity- BCI (10 kHz -400 MHz)	ISO 114524; ISO 114524 (2020) Road Vehicles Component Test: Methods for electrical disturbances from narrowband radiated electromagnetic energy
Stripline (10 kHz- 400 MHz)	ISO 114525; ISO 114525 (2002) Road Vehicles Component Test: Methods for electrical disturbances from narrowband radiated electromagnetic energy
Radiated Loop Method (DC - 150 kHz)	ISO 114528; ISO 114528 (2015) Road Vehicles Component Test: Methods for electrical disturbances from narrowband radiated electromagnetic energy



Accredited Laboratory

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 28th day of March 2024.