



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL (EMC)

Valid to: June 30, 2021

Certificate Number: 5319.01

In recognition of the successful completion of the A2LA accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

Test Technology:

Electrostatic Discharge (ESD)

Test Method(s): ¹

ISO 10605;
SAE J113-13;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

Test Technology:

RF Conducted Emissions

RF Radiated Emissions

Absorber-Lined Shielded Enclosure (ALSE)

200 MHz to 4GHz, Vertical,

200 V/m @ 1m

300 MHz to 4 GHz, Horizontal,

200 V/m @ 1m

1.2 GHz to 1.4 GHz, Horizontal and Vertical, 300 V/m @ 1m

2.7 GHz to 3.1 GHz, Horizontal and Vertical, 300 V/m @ 1m

4 GHz to 6 GHz, Horizontal and Vertical, 200 V/m @ 1m

TEM cell

Test Method(s):¹

CISPR 25 Sections 6.3 and 6.4;
EN 55025 Sections 6.2, 6.3;
SAE J1113-41;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
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CISPR 25 Section 6.5 and Annex I;
ECE R10;
EN 50498 (sections 7.1 and 7.2);
EN 55025 sections 6.4;
SAE J1113-41;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

ISO 11452-2;
ECE R10;
SAE J1113-21;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

ISO 11452-3



Test Technology:

Bulk Current Injection (BCI)
(excluding TWC test method)

Stripline

Magnetic Fields Immunity
(Radiating Loop Method)

Magnetic Fields Emissions

Test Method(s): ¹

ISO 11452-4;
ECE R10;
SAE J1113-4;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

ISO 11452-5;
ECE R10;
SAE J1113-23;
BMW GS-95002-2;
VW TL81000 (2016); VW TL81000

ISO 11452-8;
MIL-STD-461;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

MIL-STD-461;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
VW TL81000;
Nissan 28401NDS02



Test Technology:

Test Method(s):¹

Portable Transmitters

ISO 11452-9;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
HAITEC TES-95465;
VW TL81000 (2016); VW TL81000;
Nissan 28401NDS02

Electrical Tests

ISO 16750-2;
VW 80000

Conducted Transient Emission (CTE)

ISO 7637-2;
ECE R10;
EN 50498 (section 7.3);
SAE J1113-11;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

Conducted Transient Immunity

ISO 7637-2; ISO 7637-3;
EN 50498 (section 7.4);
ECE R10;
SAE J1113-11; SAE J1113-12;
Jaguar JLR-EMC-CS v1.0;
Jaguar JLR-EMC-CS;
Ford EMC-CS-2009.1; Ford FMC1278;
GMW3097 (2015); GMW3097;
FCA CS.00054;
HAITEC TES-95465;
BMW GS-95002-2;
Daimler MBN 10284-2;
Daimler MBN 10284-4;
VW TL81000;
Nissan 28401NDS02

Types of products, materials, and/or industry that the laboratory tests:

Automotive Electrical/Electronic Components and Subsystems

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is expected to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - General Requirements - Accreditation of ISO/IEC 17025 Laboratories.

