



#### CERTIFICATE OF ACCREDITATION

# INTEGRATED EMC AND RELIABILITY TESTING LABORATORY, BOSCH GLOBAL SOFTWARE TECHNOLOGIES PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

# "General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT, BENGALURU, KARNATAKA, INDIA

in the field of

**TESTING** 

**Certificate Number:** 

TC-11741

**Issue Date:** 

07/06/2023

Valid Until:

28/01/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: Bosch Global Software Technologies Private Limited

Signed for and on behalf of NABL



N. Venkateswaran Chief Executive Officer





#### **SCOPE OF ACCREDITATION**

**Laboratory Name:** 

INTEGRATED EMC AND RELIABILITY TESTING LABORATORY, BOSCH GLOBAL SOFTWARE

TECHNOLOGIES PRIVATE LIMITED, NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT,

BENGALURU, KARNATAKA, INDIA

**Accreditation Standard** 

ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No

1 of 12

Validity

07/06/2023 to 28/01/2024

**Last Amended on** 

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
		LOCATION 1-NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT, Permanent Facility	BENGALURU, KARNATAKA, INDIA	
1	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	"Electrical Interference by Conduction and Coupling - Capacitive and Inductive Coupling via Lines Other than Supply Lines - Capacitive Coupling Clamp (CCC)"	SAE J1113-12
2	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	"Electrical Interference by Conduction and Coupling - Capacitive and Inductive Coupling via Lines Other than Supply Lines - Direct Capacitor Coupling (DCC)"	SAE J1113-12
3	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	"Electrical Interference by Conduction and Coupling - Capacitive and Inductive Coupling via Lines Other than Supply Lines - Inductive Coupling Clamp (ICC)"	SAE J1113-12
4	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Absorber-lined shielded enclosure	ISO 11452-2 Second edition (Withdrawn standard)
5	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Absorber-lined shielded enclosure	ISO 11452-2 Third edition
6	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Bulk current injection (BCI)	ISO11452-4 Third edition (Withdrawn standard)
7	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR 25 Edition 3.0 Cl. 6.3 (Withdrawn standard)
8	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted emissions from components/modules - Current probe method	CISPR 25 Edition 4.0 Cl. 6.4
9	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR 25 Edition 5.0 Cl. 6.4
10	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted emissions from components/modules - Current probe method	CISPR 25 Second Edition Cl. 6.3 (Withdrawn standard)
11	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Voltage method	CISPR 25 Edition 3.0 Cl. 6.2 (Withdrawn standard)





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ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No 2 of 12

**Validity** 07/06/2023 to 28/01/2024

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12	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules – Voltage method	CISPR 25 Edition 4.0 Cl. 6.3
13	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Voltage method	CISPR 25 Edition 5.0 Cl. 6.3
14	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Voltage method	CISPR 25 Second Edition Cl. 6.2 (Withdrawn standard)
15	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Immunity onto All Leads	SAE J1113-2
16	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical Disturbances from Electrostatic Discharge	ISO 10605 Second edition
17	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical Disturbances from Electrostatic Discharge	ISO 10605 Second Edition Amendment 1
18	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical Loads (D.C. supply voltage, Overvoltage, Slow decrease and increase of supply voltage, Starting profile, Discontinuities in supply voltage, Reversed voltage, Ground reference and supply offset, Open circuit tests and Short circuit protection)	ISO 16750-2 Fourth Edition
19	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical Loads (D.C. supply voltage, Overvoltage, Slow decrease and increase of supply voltage, Starting profile, Discontinuities in supply voltage, Reversed voltage, Ground reference and supply offset, Open circuit tests and Short circuit protection)	ISO 16750-2 Third edition (Withdrawn standard)
20	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 1	ISO 7637-2 Third edition
21	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 2a	ISO 7637-2 Second edition (Withdrawn standard)
22	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 2a	ISO 7637-2 Third edition





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**Accreditation Standard** 

ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No 3 of 12

Validity

07/06/2023 to 28/01/2024

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23	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 2b	ISO 7637-2 Second edition (Withdrawn standard)
24	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 2b	ISO 7637-2 Third edition
25	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 3a and Pulse 3b	ISO 7637-2 Second edition (Withdrawn standard)
26	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 3a and Pulse 3b	ISO 7637-2 Third edition
27	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 4	ISO 7637-2 Second edition (Withdrawn standard)
28	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 5a and Pulse 5b	ISO 7637-2 Second edition (Withdrawn standard)
29	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - CCC method	ISO 7637-3 Second edition (Withdrawn standard)
30	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - CCC method	ISO 7637-3 Third edition
31	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - DCC method	ISO 7637-3 Second edition (Withdrawn standard)
32	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - DCC method	ISO 7637-3 Third edition
33	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - ICC method	ISO 7637-3 Second edition (Withdrawn standard)





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TC-11741

**Certificate Number** 

**Validity** 

Page No

4 of 12

07/06/2023 to 28/01/2024

**Last Amended on** 

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34	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines - ICC method	ISO 7637-3 Third edition
35	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Emission of transient conducted disturbances generated by ESAs	ECE-R10 Rev 6.0 Annex 10
36	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Harness Excitation	ISO 11452-4 Fifth Edition
37	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Harness Excitation	ISO 11452-4 Fourth edition
38	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	HV-LV Coupling Attenuation	CISPR 25 Edition 4.0 Annex I.5.3
39	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 1	AMENDMENT NO. 1 TO AIS 004 (Part 3) Annexure 8
40	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 2a	AMENDMENT NO. 1 TO AIS 004 (Part 3) Annexure 8
41	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 2a	ECE-R10 Rev.6.0 Annex 10
42	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 2b	AMENDMENT NO. 1 TO AIS 004 (Part 3) Annexure 8
43	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 2b	ECE-R10 Rev.6.0 Annex 10
44	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 3a and Pulse 3b	AIS 004 (Part 3) AMENDMENT NO. 1 Annexure 8
45	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 3a and Pulse 3b	ECE-R10 Rev.6.0 Annex 10
46	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 4	ECE-R10 Rev.6.0 Annex 10





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ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No 5 of 12

Validity

07/06/2023 to 28/01/2024

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47	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 4	AMENDMENT NO. 1 TO AIS 004 (Part 3) Annexure 8
48	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Absorber chamber test	AIS 004 (Part 3) AMENDMENT NO. 1 Annex 7
49	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Absorber chamber test	ECE-R10 Rev. 6.0 Annex 9
50	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Bulk current injection	AIS 004 (Part 3) AMENDMENT NO. 1 Annex 7
51	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Bulk current injection	ECE-R10 Rev. 6.0 Annex 9
52	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Stripline	AIS 004 (Part 3) AMENDMENT NO. 1 Annex 7
53	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Stripline	ECE-R10 Rev.6.0 Annex 9
54	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 1	SAE J1113-11
55	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 2a	SAE J1113-11
56	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 2b	SAE J1113-11
57	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 3a and Pulse 3b	SAE J1113-11





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**Accreditation Standard** 

ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No 6 o

6 of 12

**Validity** 

07/06/2023 to 28/01/2024

**Last Amended on** 

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58	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 4	SAE J1113-11
59	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Conducted Transients on Power Leads - Pulse 5a and Pulse 5b	SAE J1113-11
60	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to Electrostatic Discharge	SAE J1113-13
61	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to magnetic fields	ISO 11452-8 First edition (Withdrawn standard)
62	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity to magnetic fields	ISO 11452-8 Second edition
63	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Portable transmitters	ISO 11452-9 First edition
64	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Portable transmitters	ISO 11452-9 Second edition
65	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated broadband and narrowband electromagnetic emissions	AIS 004 (Part 3) AMENDMENT NO. 1 Annex 5 and 6
66	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated broadband and narrowband electromagnetic emissions	ECE-R10 Rev. 6.0 Annex 7 and 8
67	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules - ALSE method	CISPR 25 Edition 5.0 Cl. 6.5
68	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules – Stripline method	CISPR 25 Edition 4.0 Annex G
69	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules - Stripline method	CISPR 25 Edition 5.0 Annex F
70	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules – Stripline method	CISPR 25 Edition Annex G (Withdrawn standard)
71	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions, magnetic field	MIL 461 G, Cl. 5.17 - RE101
72	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Reverberation chamber	ISO 11452-11 First edition
73	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Reverberation chamber test methods	IEC 61000-4-21 Edition 2.0





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**Accreditation Standard** 

ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

**Page No** 7 of 12

Validity

07/06/2023 to 28/01/2024

Last Amended on

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74	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Stripline method	ISO 11452-5 Second edition
75	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Super Imposed Alternating Voltage	ISO 16750-2 Third Edition (Withdrawn standard)
76	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Super Imposed Alternating Voltage	ISO 16750-2 Fourth Edition
77	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Test A - without centralized load dump suppression and Test B - with centralized load dump suppression	ISO 16750-2 Fourth edition
78	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Test A - without centralized load dump suppression and Test B - with centralized load dump suppression	ISO 16750-2 Third edition (Withdrawn standard)
79	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Voltage Transient Emissions test	ISO 7637-2 Third Edition
80	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Electrical transient conduction along supply lines only - Pulse 1	ISO 7637-2 Second edition (Withdrawn standard)
81	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity against transient disturbances conducted along supply lines - Pulse 1	ECE-R10 Rev.6.0 Annex 10
82	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules - ALSE method	CISPR 25 Edition 3.0 Cl. 6.4 (Withdrawn standard)
83	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions from components/modules - ALSE method	CISPR 25 Edition 4.0 Cl. 6.5
84	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated emissions from components/modules - ALSE method	CISPR25 Second Edition Cl. 6.4 (Withdrawn standard)





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ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

Page No

8 of 12

17/10/2023

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07/06/2023 to 28/01/2024

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		LOCATION 1-NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT, B Site Facility	ENGALURU, KARNATAKA, INDIA	
1	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Combined Temperature and Vibration Test	ISO 16750 Part 3 Sine vibration testing - Sec 4.1.2, 4.1.2.1, 4.1.2.2, 4.1.2.3, 4.1.2.1.2.2, 4.1.2.1.2.2, 4.1.2.1.2.2, Random vibration testing 4.1.2, 4.1.2.1, 4.1.2.2, 4.1.2.1.2.3, 4.1.2.2.2.2, 4.1.2.4.2, 4.1.2.8.2, 4.1.2.1.2.3, 4.1.2.3
2	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Free Fall Test	IEC 60068-2-31 Sec 5.1.3, 5.2, 5.3
3	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Free Fall Test	ISO 16750 Part-3 Sec 4.3.2
4	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	High temperature tests	IEC 60068-2-2
5	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	High temperature tests	ISO 16750-Part 4 Sec 5.1.2
6	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Humid Heat, Cyclic test	IEC 60068-2-30
7	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Humid Heat, Cyclic test	IEC60068-2-38
8	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Humid Heat, Cyclic test	ISO 16750-Part 4 Sec 5.6
9	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Low temperature Tests	IEC 60068 -2-1
10	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Low temperature Tests	ISO 16750- Part 4 Sec 5.1.1
11	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Mechanical shock	IEC 60068-2-27





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Page No

9 of 12

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12	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Mechanical Shock	ISO 16750 - Part 3: Sec 4.2
13	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Random vibration	IEC 60068-2-64
14	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Random vibration	ISO 16750 Part 3 Sec 4.1.2, 4.1.2.1, 4.1.2.2, 4.1.2.1.2.3, 4.1.2.2.2.2, 4.1.2.4.2, 4.1.2.6.2.3, 4.1.2.7.2, 4.1.2.8.2, 4.1.2.11.2.3
15	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Rapid change of temperature with specified transition duration	IEC 60068-2-14 Test Na Sec 7
16	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Rapid change of temperature with specified transition duration	ISO 16750-Part 4 Sec 5.3.2
17	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Salt spray tests -Slat mist test Corrosion test	IEC 60068-2-11 Test Ka
18	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Salt spray tests -Slat mist test Corrosion test	IEC 60068-2-52 Test Kb
19	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Salt spray tests -Slat mist test Corrosion test	ISO 16750-Part 4 Sec 5.5.1
20	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Sinusoidal Vibration	IEC 60068-2-6
21	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Sinusoidal Vibration	ISO 16750 Part 3 Sec 4.1.2, 4.1.2.1, 4.1.2.2, 4.1.2.3, 4.1.2.1.2.2, 4.1.2.2.2.2, 4.1.2.10.2.2, 4.1.2.11.2.2
22	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Temperature cycle with specified change rate	IEC 60068-2-14 Test Nb Sec 8
23	ELECTRONICS- ENVIRONMENTAL TEST FACILITY	Road Vehicles- Environmental conditions and testing of Electronic Control Units, Components and Gadgets	Temperature cycle with specified change rate	ISO 16750-Part 4 Sec 5.3.1





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Page No

10 of 12 17/10/2023

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		LOCATION 2 - HOSUR ROAD ADUGODI, BENG. Permanent Facility		
1	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Absorber-lined shielded enclosure	ISO 11452-2 Second edition (Withdrawn standard)
2	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Absorber-lined shielded enclosure	ISO 11452-2 Third edition
3	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Bulk Current Injection (BCI)	ISO11452-4 Third edition (Withdrawn standard)
4	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR25 Edition 3.0 Cl. 6.3 (Withdrawn standard)
5	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR25 Edition 4.0 Cl. 6.4
6	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR25 Edition 5.0 Cl. 6.4
7	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Current probe method	CISPR25 Second edition Cl. 6.3 (Withdrawn standard)
8	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules – Voltage method	CISPR25 Edition 3.0 Cl. 6.2 (Withdrawn standard)
9	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules – Voltage method	CISPR25 Edition 4.0 Cl. 6.3
10	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Voltage method	CISPR25 Edition 5.0
11	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Conducted Emissions from components/modules - Voltage method	CISPR25 Second edition Cl. 6.2 (Withdrawn standard)
12	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Harness Excitation-BCI test	ISO 11452-4 Fourth edition Part 4 Cl. 6.1
13	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Harness Excitation-BCI test	ISO11452-4 Fifth edition Part 4 Cl. 6.1
14	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Absorber chamber test	AIS 004 AMENDMENT NO. 1 (Part 3) Annex 7





#### **SCOPE OF ACCREDITATION**

**Laboratory Name:** 

INTEGRATED EMC AND RELIABILITY TESTING LABORATORY, BOSCH GLOBAL SOFTWARE

TECHNOLOGIES PRIVATE LIMITED, NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT,

BENGALURU, KARNATAKA, INDIA

**Accreditation Standard** 

ISO/IEC 17025:2017

**Certificate Number** 

TC-11741

**Page No** 11 of 12

**Validity** 07/06/2023 to 28/01/2024

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
15	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Absorber chamber test	ECE-R10 Rev. 6.0 Annex 9
16	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Bulk current injection	AIS 004 AMENDMENT NO. 1 (Part 3) Annex 7
17	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Immunity of electrical/electronic sub- assemblies to electromagnetic radiation - Bulk current injection	ECE-R10 Rev.6.0 Annex 9
18	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Portable transmitters	ISO 11452-9 First edition
19	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Portable transmitters	ISO 11452-9 Second edition
20	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated broadband and narrowband electromagnetic emissions from electrical/electronic sub- assemblies	AIS 004 Amendment No. 1 (Part 3) Annex 5 and 6
21	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated broadband and narrowband electromagnetic emissions from electrical/electronic sub- assemblies	ECE-R10 Rev. 6.0 Annex 7 and 8
22	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions from components/modules – ALSE method	CISPR 25 Edition 3.0 Cl. 6.4 (Withdrawn standard)
23	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions from components/modules - ALSE method	CISPR 25 Edition 4.0 Cl. 6.5
24	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions from components/modules – ALSE method	CISPR 25 Edition 5.0 Cl. 6.5
25	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions from components/modules - ALSE method	CISPR 25 Second edition Cl. 6.4 (Withdrawn standard)
26	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobiles	Radiated Emissions, Magnetic Field	MIL 461 G CI. 5.17 RE 101





#### SCOPE OF ACCREDITATION

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TECHNOLOGIES PRIVATE LIMITED, NO.123, HOSUR ROAD, INDUSTRIAL LAYOUT,

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Page No

12 of 12

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17/10/2023

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Test Method Specification against which tests are performed and / or the techniques / equipment used

LOCATION 2 - HOSUR ROAD ADUGODI, BENGALURU, KARNATAKA, INDIA Site Facility

