National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SMIT EMI/EMC LABORATORY, E-5/2, CHAKAN INDUSTRIAL AREA, PHASE-III, M.I.D.C, NANEKARWADI, TAL-KHED, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10193 **Page No** 1 of 3

Validity 04/01/2022 to 03/01/2024 **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
Permanent Facility				
1	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission- Power supply line(s)	CISPR25 (Edition 4):10
2	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission –Transients on power supply line(CTE)	AIS-004 (Part 3)
3	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Ground reference and supply offset	ISO 16750-2 (Edition 4)
4	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Insulation resistance	ISO 16750-2 (Edition 4)
5	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Multiple line interruption	ISO 16750-2 (Edition 4)
6	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Open circuit tests	ISO 16750-2 (Edition 4)
7	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Short circuit protection	ISO 16750-2 (Edition 4)
8	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Withstand voltage	ISO 16750-2 (Edition 4)
9	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission- Interconnect lines (CE)	ISPR25 (Edition 4)-10
10	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission- Interconnect lines (CE-CP)	CISPR25 (Edition 3):03
11	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission- Power supply line(s)	CISPR25 (Edition 4):10
12	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission –Transients on power supply line(CTE)	ECE R10 Rev.5
13	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission –Transients on power supply line(CTE)	ISO 7637-2 (Edition 2)
14	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Conducted Emission –Transients on power supply line(CTE)	ISO 7637-2 (Edition 3)
15	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Direct current supply voltage	ISO 16750-2 (Edition 4)
16	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Electronic Sub Assembly for Automobile	ISO 16750-2 (Edition 4)
17	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Electrostatic Discharge Immunity (ESD)	ISO 10605 Amd.1:04)

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18	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Electrostatic Discharge Immunity (ESD)	ISO10605: Edition 2
19	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	ICC test	ISO 7637 -3
20	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Momentary drop in supply voltage	ISO 16750-2 (Edition 4)
21	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Overvoltage	ISO 16750-2 (Edition 4)
22	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 1	AIS-004 (Part 3)
23	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 1	ECE R10 Rev 5
24	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 1	ISO 7637-2 (Edition 3)
25	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 2 (a & b)	AIS-004 (Part 3)
26	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 2 (a & b)	ECE R10 Rev 5
27	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 2 (a & b)	ISO 7637-2 (Edition 3)
28	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 3(a & b)	AIS-004 (Part 3)
29	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 3(a & b)	ECE R10 Rev.5
30	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 3(a & b)	ISO 7637-2 (Edition 3)
31	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 3a & 3b: Capacitive coupling	ISO 7637 -3
32	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 4 (Starting profile)	AIS-004 (Part 3)
33	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 4 (Starting profile)	ECE R10 rev.5
34	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse 4 (starting profile)	ISO 16750-2
35	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Pulse A & B	ISO 16750-2 (Edition 4)
36	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Radiated Emission	CISPR25 (Edition 3)

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37	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Radiated Emission (RE)	ECE R10 Rev.5
38	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Radiated Emission (RE)_Antenna method	CISPR25 (Edition 4):10
39	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Radiated Emission for ESA	AIS-004 (Part 3)
40	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Reset behavior at voltage drop	ISO 16750-2 (Edition 4)
41	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Reversed voltage	ISO 16750-2 (Edition 4)
42	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility – Harness excitation methods Bulk current Injection method (BCI)	AIS-004 (Part 3)
43	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility – Harness excitation methods Bulk current Injection method (BCI)	AIS-004 (Part 3) Annexure 7 ISO11452-4 (Edition 4)
44	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility – Harness excitation methods Bulk current Injection method (BCI)	ECE R10 rev.5
45	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility – Harness excitation methods Bulk current Injection method (BCI)	ISO11452-4 (Edition 3)
46	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility –ALSE method	AIS-004 (Part 3)
47	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility –ALSE method	ECE R10 Rev.5
48	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	RF Radiated Susceptibility –ALSE method	ISO 11452-2 (Edition 2)
49	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Slow decrease and increase of supply voltage	ISO 16750-2 (Edition 4)
50	ELECTRONICS- EMC TEST FACILITY	Electronic Sub Assembly for Automobile	Superimposed alternating voltage	ISO 16750-2 (Edition 4)