National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	EMI/EMC TEST FACILITY, ELECTRONICS CORPORATION OF INDIA LIMITED, ECIL (POST), HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6391	**Page No**	1 of 4
Validity	06/12/2022 to 05/12/2024	**Last Amended on**	22/02/2023

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	Electrical/ Electronics Product	Conducted RF Susceptibility Test	IEC 61000-4-6: 2013 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
2	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions (CE101)	MIL STD 461E, 1999, MIL STD 461F
3	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS 101)	MIL STD 461E, 1999, MIL STD 461F
4	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS 101)	MIL STD 461G
5	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS114)	MIL STD 461E, 1999, MIL STD 461F
6	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS114)	MIL STD 461G
7	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS115)	MIL STD 461E, 1999, MIL STD 461F
8	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS115)	MIL STD 461G
9	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS116)	MIL STD 461E, 1999, MIL STD 461F
10	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Electrical Fast Transient (EFT)	IEC 61000-4-4: 2012 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
11	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions	CISPR 11: 2016 CISPR 22: 2008 CISPR 32: 2019 IEC 61000-6-3: 2020 IEC 61000-6-4: 2018 IEC 60601-1-2
12	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions (Signal line)	CISPR 11: 2016 CISPR 22: 2008 CISPR 32: 2019 IEC 61000-6-3: 2020 IEC 61000-6-4: 2018 IEC 60601-1-2
13	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions (CE101)	MIL STD 461G
14	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions (CE102)	MIL STD 461E, 1999, MIL STD 461F, 2007 MIL STD 461G

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15	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Emissions (CE102)	MIL STD 461G
16	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	AC Voltage dips and Interruptions Immunity test	IEC 61000-4-11:2020 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
17	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted Susceptibility (CS116)	MIL STD 461G
18	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Conducted, common mode disturbances immunity test	IEC 61000-4-16
19	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Damped Oscillatory magnetic Field Immunity Test	IEC 61000-4-10
20	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Damped Oscillatory Wave immunity test	IEC 61000-4-18
21	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	DC Voltage dips and Interruptions Immunity test	IEC 61000-4-29
22	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Electro StaticDischarge (ESD)	IEC 61000-4-2:2008, IEC 61000-6-1: 2016, IEC61000-6-2: 2016IEC 60601-1-2:2020 CISPR 24:2015, CISPR 35
23	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Harmonic Current Emissions	IEC 61000-3-2
24	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Harmonics and Inter harmonics low frequency immunity test	IEC 61000-4-13
25	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Impulse Magnetic Field Immunity Test	IEC 61000-4-9
26	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Personnel Borne ElectroStatic Discharge (CS118)	MIL STD 461G
27	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Power Frequency Magnetic Field Immunity Test	IEC 61000-4-8: 2009 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 CISPR 24: 2015 CISPR 35
28	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions	CISPR 11: 2019 CISPR 22: 2008 CISPR 32: 2019 IEC 61000-6-3:2020 IEC 61000-6-4:2018 IEC 60601-1-2

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29	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions (1 GHz to 6 GHz)	CISPR 11: 2019 CISPR 22: 2008 CISPR 32: 2019 IEC 61000-6-3:2020 IEC 61000-6-4:2018 IEC 60601-1-2
30	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions (RE101)	MIL STD 461E, 1999, MIL STD 461F
31	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions (RE101)	MIL STD 461G
32	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions (RE102)	MIL STD 461E, 1999, MIL STD 461F
33	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Emissions (RE102)	MIL STD 461G
34	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Susceptibility	IEC 61000-4-3: 2020 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
35	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Susceptibility (RS 101)	MIL STD 461E, 1999, MIL STD 461F
36	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Susceptibility (RS 101)	MIL STD 461G
37	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Susceptibility (RS 103)	MIL STD 461E, 1999, MIL STD 461F
38	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Radiated Susceptibility (RS 103)	MIL STD 461G
39	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Ring wave immunity test	IEC 61000-4-12
40	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Ripple on d.c input power port immunity test	IEC 61000-4-17
41	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Surge	IEC 61000-4-5: 2017 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
42	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Telecom Surge (signal line)	IEC 61000-4-5: 2017 IEC 61000-6-1: 2016 IEC 61000-6-2: 2016 IEC 60601-1-2: 2020 CISPR 24: 2015 CISPR 35
43	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Variation of Power Frequency Immunity test	IEC 61000-4-28

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44	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Voltage Fluctuation & Flicker Test	IEC 61000-3-3
45	ELECTRONICS- EMC TEST FACILITY	Electrical/ Electronics Product	Voltage Fluctuation Immunity test	IEC 61000-4-14