

**Laboratory** EMI/EMC Testing Laboratory, EMI Solutions Private Limited, #237-A5, Bommasandra Industrial Area, Hosur Road, Bangalore, Karnataka

**Accreditation Standard** ISO/IEC 17025: 2017

**Certificate Number** TC-7425 **Page 1 of 1**

**Validity** 15.07.2019 to 21.06.2020 **Last Amended on --**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**ELECTRONICS TESTING**

I.	EMC TEST FACILITY			
1.	<b>Electronics/ Electrical Equipments/ component</b>	Conducted Emission - Continuous Disturbance, On Power line Single Phase up to 16A & Three Phase up to 63A	CISPR11: 2016-06, Ed. 6.1 CISPR 14-1: 2016-08, Ed. 6.0 CISPR 22: 2008-09, Ed. 6.0 IEC 61000-6-3: 2011-02, Ed. 2.1 IEC 61000-6-4: 2018-02, Ed 3.0	150 kHz to 30 MHz
		Electro Static Discharge (ESD) - Contact Discharge - Air Discharge	IEC 61000-4-2: 2008-12, Ed 2.0 CISPR 14-2: 2015-02, Ed 2.0 IEC 61000-6-1: 2016-08, Ed 3.0 IEC 61000-6-2: 2016-08, Ed 3.0 CISPR 24: 2015-04, Ed 2.1	1 kV to 8 kV 1 kV to 16 kV
		Electrical Fast Transients (Burst) - Amplitude - Pulse duration On Power line Single Phase up to 16A	IEC 61000-4-4: 2012-04, Ed 3.0 CISPR 14-2: 2015-02, Ed 2.0 IEC 61000-6-1: 2016-08, Ed 3.0 IEC 61000-6-2: 2016-08, Ed 3.0 CISPR 24: 2015-04, Ed 2.1	0.25 kV to 4 kV 15 ms 0.75 ms
		Surge - Amplitude - Pulse duration On Power line Single Phase up to 16A	IEC 61000-4-5 :2017-08, Ed 3.1 CISPR 14-2: 2015-02, Ed 2.0 IEC 61000-6-1: 2016-08, Ed 3.0 IEC 61000-6-2: 2016-08, Ed 3.0 CISPR 24: 2015-04, Ed 2.1	0.5 to 4kV 1.2/50 µsec 8/20 µsec 0.25kA to 2kA
		Line Voltage Dips & Short Interruption - Dips On Power line Single Phase up to 16A	IEC 61000-4-11:2017-05, Ed 2.1 CISPR 14-2: 2015-02, Ed 2.0 IEC 61000-6-1: 2016-08, Ed 3.0 IEC 61000-6-2: 2016-08, Ed 3.0 CISPR 24: 2015-04, Ed 2.1	230 V <sub>rms</sub> at 50Hz 0% of U <sub>in</sub> 80% of U <sub>in</sub> 70% of U <sub>in</sub> 40% of U <sub>in</sub> ½ Cycle to 250 Cycles