

NO: SAMM 530

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LABORATORY LOCATION:
(PERMANENT LABORATORY)

**RELIABILITY LAB
MIMOS BERHAD
TECHNOLOGY PARK MALAYSIA
57000 KUALA LUMPUR
MALAYSIA**

FIELDS OF TESTING:

**MECHANICAL &
ELECTROMAGNETIC COMPATIBILITY (EMC)**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Consumer and Industrial Electronic Device	Environmental Testing – Dry Heat (High Temperature)	IEC 60068-2-2: Test B (Edition 5.0 2007-07) MIL-STD-810-H:501.7 (31-Jan-2019)
	Environmental Testing – Cold (Low Temperature)	IEC 60068-2-1: Test A (Edition 6.0 2007-03) MIL-STD-810-H:502.7 (31-Jan-2019)
	Environmental Testing – Damp Heat Steady State and Cyclic (Humidity)	IEC 60068-2-30: Test Db (Edition 3.0 2005-08) IEC 60068-2-78: Test Cab (Edition 2.0 2012-10) MIL-STD-810-H:507.6 (31-Jan-2019)
	Environmental Testing – Composite Temperature/ Humidity Cyclic	IEC 60068-2-38: Test Z/AD (Edition 3.0 2021-3)
	Environmental Testing – Change of Temperature (Thermal Shock)	IEC 60068-2-14: Test N (Edition 6.0 2009-01) MIL-STD-810-H:503.7 (31-Jan-2019)

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SCOPE OF TESTING: MECHANICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Consumer and Industrial Electronic Device (continue)	Environmental Testing – Salt Mist Steady State and Cyclic (Salt Fog)	IEC 60068-2-11: Test Ka (Edition 4.0 2021-3) IEC 60068-2-52: Test Kb (Edition 3.0 2017-11) (Exclude Clause 9.4.9 Test Method 8) MIL-STD-810-H:509.8 (31-Jan-2019)
	Environmental Testing – Sinusoidal Vibration	IEC 60068-2-6: Test Fc (Edition 7.0 2007-12) MIL-STD-810-H:514.8 (31-Jan-2019)
	Environmental Testing – Broadband Random Vibration	IEC 60068-2-64: Test Fh (Edition 2.1 2019-10) MIL-STD-810-G:514.8 (31-Jan-2019)
	Environmental Testing – Mechanical Shock	IEC 60068-2-2-27: Test Ea (Edition 4.0 2008-02) MIL-STD-810-H:516.8 (31-Jan-2019)
	Environmental Testing – Free Fall (Drop Test)	IEC 60068-2-31: Test Ec (Edition 2.0 2008-05) MIL-STD-810-H:516.8 (31-Jan-2019)

Scan this QR Code or visit www.ism.gov.my/cab-direktories for the current scope of accreditation**Signatories:**

1. Nik Ahmad Fadzil bin Nik Muhammad Arifin
2. Azmir bin Aladin

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SCOPE OF TESTING: ELECTROMAGNETIC COMPATIBILITY (EMC)

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Consumer and Industrial Electronic Device	Electromagnetic Compatibility (EMC) – Electrostatic Discharge Immunity	IEC 61000-4-2 (Edition 2.0 2008-12)

Signatories:

1. **Nik Ahmad Fadzil bin Nik Muhammad Arifin**
2. **Azmir bin Aladin**