



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMC TECHNOLOGIES PTY. LTD.¹

176 Harrick Road, Keilor Park
Victoria-3042

Melbourne, AUSTRALIA

Rafeeqe Mohamed Phone: +61 3 9365 1000; Fax: +61 3 9331 7455
Email: rafeeqe@emctech.com.au; Website: www.emctech.com.au

MECHANICAL

Valid To: November 30, 2022

Certificate Number: 5082.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the one satellite location listed below*, to perform the following product safety tests:

Test Description:

Test Method(s)²:

Environmental-Climatic

Altitude

MIL-STD-810D Method 500.2;
MIL-STD-810E Method 500.3;
MIL-STD-810F Method 500.4;
MIL-STD-810G Method 500.6;
MIL-STD-810H Method 500.6;
MIL-STD-202H Method 105;
RTCA/DO-160G Section 4.6.1;
IEC 60068-2-13;
IEC 60068-2-39;
DEF(AUST)5681 (Clause 7.4.1);
DEF STAN 00-35 (Test CL9, CL11, CL12, CL13,
CL15, CL20, CL21)

High/Low Temperature

MIL-STD-810D Method 501.2, 502.2;
MIL-STD-810E Method 501.3, 502.3;
MIL-STD-810F Method 501.4, 502.4;
MIL-STD-810G Method 501.6, 502.6;
MIL-STD-810H Method 501.7, 502.7;
MIL-STD-202H Method 108;
RTCA/DO-160G Section 4;
IEC 60068-2-1;
IEC 60068-2-2;
IEC/EN 50155 (Table 12, Test 5, 6, 7, 8);
AS4428.6 (Clause 17.4, 17.5, 17.10, 17.12);
IEC/EN 60945 (Clause 8.2, 8.3, 8.4);
EN 302 054;
DEF(AUST)5681 (Clause 7.2.1, 7.2.2 Procedure B,
7.2.3, 7.2.4);
DEF STAN 00-35 (Test CL1, CL2, CL4, CL5)

Test Description:

Test Method(s)²:

Environmental-Climatic (continued)

Thermal Shock

MIL-STD-810D Method 503.2;
MIL-STD-810E Method 503.3;
MIL-STD-810F Method 503.4;
MIL-STD-810G Method 503.6;
MIL-STD-810H Method 503.7;
MIL-STD-202H Method 107;
RTCA/DO-160G Section 5;
IEC 60068-2-14;
IEC/EN 60945 (Clause 8.5);
DEF(AUST)5681 (Clause 7.2.6);
DEF STAN 00-35 (Test CL14, CL17)

Humidity

MIL-STD-810D Method 507.2;
MIL-STD-810E Method 507.3;
MIL-STD-810F Method 507.4;
MIL-STD-810G Method 507.6;
MIL-STD-810H Method 507.6;
MIL-STD-202H Method 103;
MIL-STD-202H Method 106;
RTCA/DO-160G Section 6;
IEC 60068-2-30;
IEC 60068-2-38;
IEC 60068-2-78;
DEF(AUST)5681 (Clause 7.2.5);
DEF STAN 00-35 (Test CL6, CL7)

Salt Mist

MIL-STD-810D Method 509.2;
MIL-STD-810E Method 509.3;
MIL-STD-810F Method 509.4;
MIL-STD-810G Method 509.6;
MIL-STD-810H Method 509.7;
MIL-STD-202H Method 101;
RTCA/DO-160G Section 14;
IEC 60068-2-11;
IEC 60068-2-52;
ISO 9227;
ASTM B 117;
IEC/EN 50155 (Table 12, Test 9);
IEC/EN 60945 (Clause 8.12);
DEF(AUST)5681 (Clause 7.6.1);
DEF STAN 00-35 (Test CN2);
AS 2331.3.1;
AS 2331.3.2;
AS 2331.3.3



Test Description:

Test Method(s)²:

Environmental-Climatic (continued)

Solar Radiation (Sunshine)

MIL-STD-810D Method 505.2;
MIL-STD-810E Method 505.3;
MIL-STD-810F Method 505.4;
MIL-STD-810G Method 505.6;
MIL-STD-810H Method 505.7;
ISO 4892-3;
ASTM D4329;
ASTM G154

Immersion

MIL-STD-810F Method 512.4;
MIL-STD-810G Method 512.6;
MIL-STD-810H Method 512.6;
MIL-STD-202H Method 104;
IEC/EN 60945 (Clause 8.9)

Drop

IEC/EN 60945 (Clause 8.6.1 Only)

31 McGregors Drive
Keilor Park, Victoria 3042
Melbourne, Australia

Test Description:

Test Method(s)²:

Vibration

MIL-STD-810D Method 514.3;
MIL-STD-810E Method 514.4;
MIL-STD-810F Method 514.5;
MIL-STD-810G Method 514.7;
MIL-STD-810H Method 514.8;
MIL-STD-202H Method 201;
MIL-STD-202H Method 204;
MIL-STD-202H Method 214;
RTCA/DO-160G Section 8;
IEC 60068-2-6;
IEC 60068-2-64;
IEC/EN 50155 (Table 12, Test 12);
AS4428.6 (Clause 17.7, 17.11);
IEC/EN 60945 (Clause 8.7);
IEC/EN 61373;
ISO 16750-3 Chapter 4.1;
DEF(AUST)5681 (Clause 7.3.1);
DEF STAN 00-35 (Test M1, M2)



Test Description:

Test Method(s)²:

Shock

MIL-STD-810D Method 516.3;
MIL-STD-810E Method 516.4;
MIL-STD-810F Method 516.5;
MIL-STD-810G Method 516.7;
MIL-STD-810H Method 516.8;
MIL-STD-202H Method 213;
RTCA/DO-160G Section 7;
IEC 60068-2-27;
IEC/EN 50155 (Table 12, Test 12);
IEC/EN 61373;
ISO 16750-3 Chapter 4.2;
DEF(AUST)5681 (Clause 7.3.4);
DEF STAN 00-35 (Test M3, M6)

Acceleration

MIL-STD-810D Method 513.3;
MIL-STD-810E Method 513.4;
MIL-STD-810F Method 513.5;
MIL-STD-810G Method 513.7;
MIL-STD-810H Method 513.8;
MIL-STD-202H Method 212;
IEC 60068-2-7;
DEF STAN 00-35 (Test M13)

¹This accreditation covers testing performed at all laboratory locations listed in this scope of accreditation.

² When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.





Accredited Laboratory

A2LA has accredited

EMC TECHNOLOGIES PTY. LTD.

Melbourne, Australia

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 11th day of December 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5082.02
Valid to November 30, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.