

# CERTIFICATE OF ACCREDITATION



**EMC Technologies (NZ) Ltd**

**Client Number 2218**

47 Mackelvie Street, Grey Lynn, Auckland, 1021

**Telephone 09 360-0862**

**www.emctech.com.au**

**Authorised Representative**

Mr Andrew Cutler  
General Manager

**Programme**

Designated Conformity Assessment Body - APEC TEL MRA

**Accreditation Number 10**

**Initial Accreditation Date 10 May 2018**

**Conformance Standard**

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

**Laboratory Services Summary**

4.01	US FCC 47 CFR Testing for RF Equipment Authorisation
4.02	ISED Canada Testing for RF Equipment Authorisation

**Key Technical Personnel**

Mr Andrew Cutler	4.01, 4.02
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EMC Technologies (NZ) Ltd  
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**SCOPE OF ACCREDITATION**

Accreditation Number 10

**CAB-APEC (Asia-Pacific Economic Co-operation)**

**4.01 US FCC 47 CFR Testing for RF Equipment Authorisation**

This laboratory has been assessed for compliance with the United States (US) Federal Communications Commission (FCC) rules for an accredited laboratory undertaking testing in support of the certification or Declaration of Conformity or verification of Radiofrequency (RF) Equipment (RF devices) Authorization by the Commission’s Office of Engineering and Technology (OET). These requirements are set out in Title 47 of the Code of Federal Regulations (47 CFR), Chapter I, Subchapter A, Part 2. In particular, Subpart J (Parts 2.9xx – 2.10xx) detailing Equipment Authorization Procedures. The specific requirements for the recognition of accredited testing laboratories are detailed in Part 2.948.

The laboratory has been found to comply with the FCC OET document 974614 D01 Accredited Testing Laboratory Programme Roles and Responsibilities for the following scope of work, as defined in Appendix A Testing Laboratory Scopes of Accreditation:

Industrial, Scientific and Medical Equipment (FCC Part 18)

- Consumer ISM equipment
- In accordance with FCC MP-5 (February 1986)

Unintentional Radiators (FCC Part 15 Subpart B)

- In accordance with ANSI C63.4-2014 up to 40 GHz

Intentional Radiators (FCC Part 15 Subpart C)

- In accordance with ANSI C63.10-2013 up to 40 GHz


General Mobile Radio Services (FCC Licensed Radio Service Equipment)

- Part 22 (non-cellular)
- Part 90 (non-microwave)
- Part 95
- Part 97
- Part 101 (non-microwave)
- In accordance with ANSI C63.26-2015 and ANSI/TIA-603-E-2016

Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment)

- Part 80
- Part 87
- In accordance with ANSI C63.26-2015 and ANSI/TIA-603-E-2016

Specific details and technical limitations associated with the testing standards detailed above are described in the laboratory’s IANZ Electrical Testing Accredited Laboratory scope of accreditation. This is described under EMC Technologies (NZ) Ltd, IANZ Accreditation Number 424, Schedule to the Certificate of Accreditation. This document is available on the IANZ directory (<https://www.ianz.govt.nz/directory>).

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**4.02 ISED Canada Testing for Compliance of Radio Apparatus with Spectrum Management and Telecommunications Radio Standards Specifications**

The laboratory has been found to comply with the Innovation, Science and Economic Development (ISED) Canada Spectrum Management and Telecommunications (SMT) Procedures for Conformity Assessment Bodies REC-LAB Issue 6 Procedure for the Recognition of Foreign Testing Laboratories for the following testing standards:

- RSS-Gen General Requirements for Compliance of Radio Apparatus
- RSS-102 (RF Exp) Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (≥10 MHz)
- RSS-119 Land Mobile and Fixed Equipment Operating in the Frequency Range 27.41-960 MHz
- RSS-210 Licence-Exempt Radio Apparatus: Category I Equipment
- RSS-247 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
- ANSI C63.4-2014 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
- ANSI C63.10-2013 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
- ANSI C63.26-2016 Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

Specific details and technical limitations associated with the testing standards detailed above are described in the laboratory's IANZ Electrical Testing Accredited Laboratory scope of accreditation. This is described under EMC Technologies (NZ) Ltd, IANZ Accreditation Number 424, Schedule to the Certificate of Accreditation. This document is available on the IANZ directory (<https://www.ianz.govt.nz/directory>).

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