

# Accreditation Certificate

## Compliance Engineering Ireland Ltd

Clonross, Dunshaughlin, Co. Meath

Testing Laboratory

Registration number: **088T**

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard **ISO/IEC 17025:2005 2<sup>nd</sup> Edition** “*General Requirements for the Competence of Testing and Calibration Laboratories*”  
*(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)*

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Date of award of accreditation: **08:05:2003**

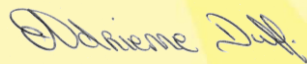
Date of last renewal of accreditation: **04:01:2018**

Expiry date of this certificate of accreditation: **04:01:2023**

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This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.

Manager:



Dr Adrienne Duff

Chairperson:



Ms Ita Kinahan

Issued on 04 January 2018

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.

The INAB is a signatory of the European co-operation for Accreditation (EA) Testing Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement.

# Schedule of Accreditation



(Annex to Accreditation Certificate)

Permanent Laboratory:  
Category A & B

## COMPLIANCE ENGINEERING IRELAND LTD.

### Electrical Testing Laboratory

**Initial Registration Date :** 11-March-1998  
**Postal Address:** Clonross, Dunshaughlin, Co. Meath.  
*(Address of other locations as they apply)*  
**Telephone:** +353 (1) 8256722  
**Fax:** +353 (1) 8256733  
**E-mail:**  
**Contact Name:** Mr John Mc Auley  
**Facilities:** Public testing service

# Schedule of Accreditation



Permanent Laboratory:  
Category A & B

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

## Testing and Calibration Categories:

- Category A:** Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.
- Category B:** Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.
- Category C:** Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.
- Category D:** Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using
- (a) portable test equipment
  - (b) a site laboratory
  - (c) a mobile laboratory or
  - (d) equipment from a mobile or site laboratory

## Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

## Glossary of Terms

### Facilities:

- Public calibration/testing service:** Commercial operations which actively seek work from others.
- Conditionally available for public calibration/testing:** Established for another primary purpose but, more commonly than not, is available for outside work.
- Normally not available for public calibration/testing:** Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9)	Type of test/properties measured	Standard specifications
Materials/products tested	Range of measurement	Equipment/techniques used
<b>341</b> <b>Electromagnetic Compatibility - Emission Testing</b>	Conducted Emissions AC Ports 9kHz to 30 MHz	EN 55014-1: 2001 +A2: 2002 EN 55014-1:2006 + A1:2009 + A2:2011
.01    Conducted interference	Conducted emissions Signal lines - 150kHz - 30MHz	Discontinuous Disturbances Instantaneous Switching, clicks <10ms and click rate <5/min
.02    Radiated interference  <i>For the equipment listed on page 9 of this document</i>	Radiated Power (Absorption Clamp Method) 30 MHz to 1GHz	CISPR 14-1:2005, A1:2008 and A2:2011 Discontinuous Disturbances Instantaneous Switching, clicks < 10ms and click rate <5/min
	Radiated Magnetic Field Emissions 9kHz -30MHz	CISPR 15: 2013 EN55015: 2013 EN55015: 2006 A1:2007 and A2:2009
	Radiated Electric Field Emissions 30MHz - 40GHz	EN 55011:2016 CISPR 11:2009  CISPR 11:1997 +A1:1999, A2:2002 AS/NZS CISPR11:2002

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<b>341 Electromagnetic Compatibility - Emission Testing</b> .01 Conducted interference .02 Radiated interference <i>For the equipment listed</i>	Radiated Electric Field Emissions 30MHz - 40GHz	EN55032:2015 (excl audio and broadcast receiver equipment) EN 55022:1998 + A2:2003 EN 55022:2006 + A1:2007 CISPR22:1997 + A1:2001, +A2:2002 CISPR22:2005 + A1:2005 AS/NZS CISPR22:2002 EN 55022:2010 EN55025:2017, CISPR 25:2017 EN55035:2017 EN55012:2007, CISPR 12:2009 +A1:2009 Generic Standards EN 61000-6-3:2001 +A11:2004 EN 61000-6-3:2007+A1:2011 EN 61000-6-4:2001 EN 61000-6-4:2007+A1:2011 FCC CFR Part 15: Subpart B ANSI C63.4:2014 FCC MP-5 February 1986

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<b>341 Electromagnetic Compatibility - Emission Testing</b> .01 Conducted interference .02 Radiated interference <i>For the equipment listed</i>	Radiated Electric Field Emissions 30 MHz - 40 GHz	ECE Regulation 10 RTCA DO 160 Section 21 EC Directive 2004/104/EC ISO 7637-1:2015
	Harmonic Current Emissions (Single phase Equipment current $\leq 16A$ per phase)	EN 50121-4:2015 EN 61000-3-2:2014 EN 61000-3-2:2006+A1:2009+A2:2009 IEC 61000-3-2:2005
	Voltage Fluctuations & Flicker Limitations (Single phase Equipment current $\leq 16A$ per phase)	EN 61000-3-3:1995 +A1:2013 +A2:2005 IEC 61000-3-3:2013

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<b>341</b> <b>Electromagnetic Compatibility - Emission Testing</b> .99     Other tests	5 Hz to 400 kHz (Magnetic Field Emissions)	EN 50366:2003 +A1:2006 Household & similar electrical appliances - Electromagnetic fields - methods for evaluation & measurement  EN 62233:2008 Household & similar electrical appliances - Electromagnetic fields - methods for evaluation & measurement.
<b>342</b> <b>Electromagnetic Compatibility - Immunity Testing</b> <i>For the equipment listed on page 9 of this document</i>	ESD to 25 kV Air and Contact Discharge  Radiated Electric Field Immunity 80 MHz - 6 GHz, 10V/m 26 MHz - 1 GHz  Electrical Fast transients immunity to 4 kV  Surge immunity to 4kV	EN 61000-4-2:1995 +A1:1998, +A2:2001 IEC 61000-4-2:2009  EN 61000-4-3:2002 + A1:2002+A2:2010 EN 61000-4-3:2006 IEC 61000-4-3:2010 EN 61000-4-4:1995, +A1:2000 +A2:2001 EN 61000-4-4:2007+A1:2010 IEC 61000-4-4:2012 EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-5:2006 IEC 61000-4-5:2005

# Scope of Accreditation



## Compliance Engineering Ireland Ltd

Permanent Laboratory:

Category A

## Electrical Testing Laboratory

INAB Classification number (P9)	Type of test/properties measured	Standard specifications
Materials/products tested	Range of measurement	Equipment/techniques used
<b>342 Electromagnetic Compatibility - Immunity Testing</b> <i>For the equipment listed on page 9 of this document</i>	Conducted RF Immunity 10 kHz - 400 MHz, 10V emf	IEC 61000-4-6:2003 +A1:2004 IEC 61000-4-6:2014 EN 61000-4-6:1996 +A1:2001 EN 61000-4-6:2009 IEC 61000-4-6:2008
	Power Frequency Magnetic Field Immunity, to 40 A/m	EN 61000-4-8:2010 IEC 61000-4-8:2009
	Pulse Magnetic Field Immunity, to 300A/m	EN 61000-4-9:2016 IEC 61000-4-9:2016
	Voltage dips, interruptions and variations	EN 61000-4-11:2004 IEC 61000-4-11:2004
	Harmonics and interharmonics including mains signalling at a.c power port, low frequency immunity tests.	EN61000-4-13:2014
	Automotive transients Test pulses 1, 2a, 2b, 3a, 3b and 4	ISO 7637-1:2015 ISO 7637-2:2004 +A1:2008 ISO 7637-2:2011 EN 50498:2010
<b>342 Electromagnetic Compatibility - Immunity Testing</b> <i>For the equipment listed on page 9 of</i>	Radiofrequency immunity (Human Body Simulator)	ISO 14117:2012 AAMISO 14117:2012 EN 55014-2:2015 EN 55024 :2010 + A1:2015



# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<i>this document</i>		
<b>342 Electromagnetic Compatibility - Immunity Testing</b>		Generic Standards  EN 50082-1:1997 EN 50082-2:1996  EN 61000-6-1:2001 EN 61000-6-1:2007 EN 61000-6-2:1999 EN 61000-6-2:2001 modified EN 61000-6-2:2005  EN 301 489-1: v2.2.0 (Equipment for automotive use is excluded) EN 50136-2-1:1998 (EMC requirements only) EN 301 489-3:v2.1.1 EN 301 489-7:v1.3.1 EN301 489-5 V2.2.0 EN301 489-8 V1.2.1 EN301 489-9 V2.1.1 EN301 489-17 V3.1.1 EN301 489-23 V1.5.1 EN301 489-27 V2.2.0 EN301 489-29 V2.2.0 EN301 489-31 V2.2.1 EN301 489-35 V2.2.0 EN301 489-50 V2.2.0

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
		EN 50121-3-2:2015 EN 50131-1: 2006 Clause 12.1 only EN 50131-2-2: 2008 Clause 4.7.2 only EN 50131-2-4: 2008 Clause 4.7.2 only EN 50131-2-6: 2008 Clause 4.7.2 only EN 50131-3: 2009 Clause 11.4 only EN 50131-4: 2009 Clause 5.4 only EN 50131-6: 2008 Clause 4.14 only

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<p>341 Electromagnetic</p> <p>342 Compatibility - Emission/Immunity Testing</p> <p>Alarm systems; Medical equipment; Measurement and control equipment Road Equipment Airborne Equipment</p>		<p>EN 50121-4:2015</p> <p>EN 50130-4:2011 +A1:2014</p> <p>ISO 14117:2012</p> <p>EN 45502-1:2015 Clause 24</p> <p>EN 45502-2-1:2003</p> <p>EN 45502-2-2:2008 Clause 24 &amp; 27</p> <p>AAMISO 14117:2012 Sub Clause 4.3</p> <p>ISO 14708-1:2014</p> <p>ISO 14708-2:2012 Clause 24 (ESD) and 27 (EMC)</p> <p>ISO 14708-3:2017 Clause 24 (ESD) and 27 (EMC).</p> <p>IEC 60601-1-2:2015*</p> <p>*Excludes user documentation, technical aspects only</p> <p>* EMC aspects of the following:</p> <p>EN 60601-2-27:2006</p> <p>EN 60601-2-27:2011</p> <p>EN 60601-2-4:2010 Clause 202</p> <p>EN 60601-2-25:2015 Clause</p>

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
		202 EN 60601-2-27:2014 Clause 202 EN 60601-2-31:2008 +A1:2011 EN 60601-2-47:2015 Clause 202  EN 61326-1:2013 EN 61326-1:2006 EN 61326-2-1:2013 EN 61326-2-1:2006 EN 61326-2-2:2013 EN 61326-2-2:2006 EN 61326-2-3:2013 EN 61326-2-3:2006 EN 61326-2-4:2013 EN 61326-2-4:2006 EN 61326-2-5:2013 EN 61326-2-5:2006 EN 61326-2-6:2013  EN 50270:2015  EMC Aspects of IEC 60730-1:2016 EN 60730-1:2016

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
376	Approval Tests on Radio Communications Equipment	Radiated Power  Radiated Spurious Emissions 9 kHz to 40 GHz  Frequency Error  Extreme Test Conditions -20°C to +55°C	EN 300 220-1 V3.1.1 EN 300 220-2 V3.1.1 EN 300 220-3-1 V2.1.1 EN 300 220-3-2 V1.1.1 EN 300 220-4 V1.1.1 EN 300 330 V2.1.1 EN 300 440 V2.1.1 EN 300 440-1 V1.6.1 EN 300 440-2 V2.1.1 EN301 839 V2.1.1 EN301 839-1 V1.3.1 EN301 839-2 V1.3.1 EN301 893 V2.1.1 EN302 195 V2.1.1 EN302 195-1 V1.1.1 EN302 195-2 V1.1.1 EN302 208-2 V3.1.1 EN302 208-1 V2.1.1 EN302 208-2 V2.1.1
376	Approval Tests on Radio Communications Equipment	Radiated Power  Radiated Spurious Emissions 9 kHz to 40 GHz  Frequency Error Extreme Test Conditions -45°C to +75°C	EN302 537 V2.1.1 EN302 537-1 V1.1.2 EN302 537-2 V1.1.2 EN303 446-1 V1.1.1 EN300 330-2 V1.6.1 FCC CFR 47 Part 15 Subchapter C ANSI C63.10:2013 FCC CFR 47 Part 15 Subchapter D

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
		ANSI C63.17:2013 FCC CFR 47 Part 15 Subchapter E ANSI C63.10:2009 ANSI C63.10:2013 KDB 789033 FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 FCC CFR 47 Part 15 Subchapter F ANSI C63.10:2013  Adjacent Channel Power ETSI EN 300 220-2 V2.4.1  Frequency Range EN 300 328 V2.1.1  Frequency Stability  Out of Band Power RSS-GEN RSS-102 RSS-210 Permitted Range of Operating Frequencies RSS-247 RSS-132 RSS-133 Duty Cycle RSS-139 RSS- 220 March 2009 6dB Bandwidth RSS-243, Issue 3 RSS-244, Issue 1 Power spectral density FCC 47 CFR Part 22

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
	Receiver Blocking  Spectrum mask  Transient Power  Modulation Bandwidth  Receiver sensitivity Clear channel assessment threshold Polite spectrum access timing parameters.	FCC 47 CFR Part 25 FCC 47 CFR 2 FCC 47 CFR 24 FCC 47 CFR 27 FCC 47 CFR Part 73 FCC 47 CFR Part 74 FCC Part 95 Rules for Medradio ANSI C63.26:2015 incl KDB publication 971168

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
380 Approval tests on electrical appliances and accessories	Measurement and control equipment	EN 61010-1:2001 EN 61010-1:2010 IEC 61010:2010 Excluding:- 10.5.3 Insulating materials 11.7 (fluid pressure and leakage) 12.2.1 (ionising radiation) 12.3 (UV radiation) 12.5.2 (ultrasonic pressure) 12.6 (laser sources)
380 Approval tests on electrical appliances and accessories	IT Equipment and Electrical Office equipment	EN 60950-1:2006 + A11:2009 + A1:2010+A2:2013 IEC 60950-1:2005+A1:2010+A2:2013+A11:2009 +A12:2011+A2:2013 Excluding:- 4.2.8 (CRTs) 4.3.12 (Flammable liquids) 4.3.13 (lasers) 4.7.3 (materials testing - high current arcing) Annex U (insulated winding wire) Annex Y (UV conditioning) Annex AA (mandrel test) Annex CC (IC current limiters) Annex EE (shredders)



# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
380 Approval tests on electrical appliances and accessories	Audio/video information and communication technology equipment - Part 1 safety requirements.	IEC/EN 62368-1:2014/AC:2015

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
380 Approval tests on electrical appliances and accessories	Medical Electrical Equipment.	EN 60601-1:1990 + A13:1996 for oxygen-rich environment, EN 60601-1:2006+A1:2013+A11:2011 IEC 60601:2005+A1:2012 EN 60601-1-11:2010 IEC 60601-1-11:2010 Excluding:- 8.8.4.2 (environmental stress) 9.52 (Cathode ray tubes) 9.6.3 (hand transmitted vibration) 9.7.5 (pressure tests) 10.4 (laser and LED emissions) 11.2 (Fire prevention-Spark ignition) 11.6.7 (sterilization) 11.7 (biocompatibility) 12.4.5 (diagnostic or therapeutic radiation) 15.3.4 (lithium batteries) 15.4.3.4 (Temperature overload control devices PTCs)

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

### **Anechoic Chamber 1:**

19m x 13m x 9m high

6 m test bench for radiated power measurements

Power supply: single phase 230V, 16A three phase 400V, 60A

Maximum size of EUT:

Test sample must be size to pass through 3m high x 3m doorway

### **Anechoic Chamber 2:**

7 m x 4 m x 4 m high

6 m test bench for radiated power measurements

Power supply: single phase 230V, 16A three phase 400V, 60A

Maximum size of EUT:

Test sample must be size to pass through 2.3m high x 1.7m doorway

### **Anechoic Chamber 3:**

9.6 m x 5.6 m x 5.6 m high

2 m test bench for radiated power measurements

Power supply: single phase 230V, 16A three phase 400V, 30A

Maximum size of EUT:

Test sample must be size to pass through 2.1m high x 0.9m doorway

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category A

### List of equipment upon which electromagnetic compatibility emission & immunity testing can be performed:

Aerospace equipment,	Micro-electronic circuits and components
Circuit breakers and switches	Mining-equipment components
Computer peripherals	Mining plant and equipment
Domestic appliances:	Motor vehicle accessories & components
Electrical door safety devices	Motor vehicles
Electronic products, digital	Motors:electrical
Enclosures for electrical equipment	Office equipment: electrical
Engine components	Oil fired appliances
Explosion protected electrical equipment	Optical and photometric equipment
Fans	Power supplies: electrical
Filters	Printed circuit boards
Fire fighting and detection equipment	Radar equipment
Flow meters: excluding calibration	Radio and TV equipment
Gas appliances	Rescue appliances/equipment
Generators: electrical	Safety appliances/equipment
Generators: power	Satellites and subassemblies
Generators: welding	Short range devices
Instruments: Indicating/recording	Security devices and alarms
Lamps: electrical	Security equipment
Lawnmowers	Sonar equipment
Luminaries	Switchboards: electrical
Marine equipment	Telecommunication equipment
Measuring equipment	Tools
Mechanical products and plant	Toys
Medical/dental equipment	Transformers: electrical
Metal products	Vehicles
	Video equipment

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category B

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
341 Electromagnetic Compatibility- Emission Testing .99 Other tests	Human exposure to Electromagnetic Fields:  50 Hz (Electrical field - Broadband)  5Hz to 2 kHz (Magnetic field - Broadband)  100 kHz to 40 GHz (Electrical field - Broadband)  9 kHz to 30 MHz (Magnetic field - Narrowband)  30 MHz to 18 GHz (Electrical field - Narrowband)	ENV 50166-2 Jan 1995  ICNIRP Guidelines 1998 Health Physics, April 1998, Vol.74, No.4  EN 50383:2010 Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations for wireless telecommunication systems (110 MHz - 40 GHz)  1999/519/EC Council Recommendation of 12 July 1989 on the limitation of exposure of the general public in electromagnetic fields (0 Hz - 300 GHz)  EN 50385:2017 Product standard to demonstrate the compliance of radio base stations & fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz)  EN 62311:2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

# Scope of Accreditation



## Compliance Engineering Ireland Ltd Electrical Testing Laboratory

Permanent Laboratory:  
Category B

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
		<p>EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).</p> <p>EN 62369-1:2009 Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz. - Part 1.</p> <p>EN 50401:2017 Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits (110 MHz - 100 GHz), when put into service.</p>