



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL

Valid To: October 31, 2026

Certificate Number: 6842.01

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 (1) satellite laboratory location listed below*, to perform the following electrical tests:

Test Technology(s):

Test Method(s)^{1,2,3}:

Mobile Communications

Global System for Mobile communications (GSM);
Mobile Stations (MS) equipment;
Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU

ETSI EN 301 511

IMT cellular networks; Harmonised Standard for access
to radio spectrum;
Part 1: Introduction and common requirements

ETSI EN 301 908-1

IMT cellular networks; Harmonised Standard for access
to radio spectrum;
Part 2: CDMA Direct Spread (UTRA FDD) User
Equipment (UE)

ETSI EN 301 908-2

IMT cellular networks; Harmonised Standard for access
to radio spectrum;
Part 13: Evolved Universal Terrestrial Radio Access
(E-UTRA) User Equipment (UE)

ETSI EN 301 908-13

IMT cellular networks;
Harmonised Standard for access to radio spectrum;
Part 25: New Radio (NR) User Equipment (UE)

ETSI EN 301 908-25

Test Technology(s):**Test Method(s)^{1,2,3:}**

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
User Equipment (UE) Conformance Specification;
Radio Transmission and Reception (FDD);
Part 1: Conformance Specification

3GPP TS 34.121-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
User Equipment(UE) Conformance specification;
Part 1: Protocol conformance specification

3GPP TS 34.123-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network
User Equipment (UE) conformance specification for UE
positioning;
Part 1: conformance Test specification

3GPP TS 37.571-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network
User Equipment (UE) conformance specification for UE
positioning;
Part 2: Protocol conformance

3GPP TS 37.571-2

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access
(E-UTRA);
User Equipment (UE) Conformance Specification Radio
Transmission and Reception;
Part 1: Conformance Testing

3GPP TS 36.521-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access (E-UTRA);
User Equipment (UE) Conformance Specification;
Radio Transmission and Reception;
Part 3: Radio Resource Management (RRM)
Conformance Testing

3GPP TS 36.521-3

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access
(E-UTRA) and Evolved Packet Core (EPC);
User Equipment (UE) Conformance Specification;
Part 1: Protocol Conformance Specification

3GPP TS 36.523-1

Test Technology(s):**Test Method(s)^{1,2,3:}**

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
User Equipment (UE) Application Layer Data
Throughput Performance

3GPP TR 37.901

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Internet Protocol (IP) multimedia call control protocol
based on Session Initiation Protocol (SIP) and Session
Description Protocol (SDP);
User Equipment (UE) conformance specification;
Part 1: Protocol conformance specification

3GPP TS 34.229-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR;
User Equipment (UE) conformance specification;
Radio transmission and reception;
Part 1: Range 1 Standalone

3GPP TS 38.521-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR;
User Equipment (UE) Conformance Specification; Radio
transmission and reception;
Part 3: Range 1 and Range 2 Interworking Operation
with other radios

3GPP TS 38.521-3

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR;
User Equipment (UE) Conformance Specification;
Radio transmission and reception;
Part 4: Performance requirements

3GPP TS 38.521-4

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
5GS;
User Equipment (UE) Conformance Specification;
Part 1: Protocol

3GPP TS 38.523-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR;
User Equipment (UE) conformance specification;
Radio Resource Management (RRM)

3GPP TS 38.533

Test Technology(s):**Test Method(s)^{1,2,3:}**

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Internet Protocol (IP) multimedia call control protocol
based on Session Initiation Protocol (SIP) and Session
Description Protocol (SDP);
User Equipment (UE) conformance specification;
Part 5: Protocol conformance specification using
5G System (5GS)

3GPP TS 34.229-5

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network
Digital Cellular Telecommunications System (Phase 2+);
Mobile Station (MS) Conformance Specification;
Part 1: Conformance Specification

3GPP TS 51.010-1

Over the Air (OTA)

3GPP TS 34.114; 3GPP TS 37.544;
3GPP TR 25.914; 3GPP TR 37.977;
3GPP TS 25.144; 3GPP TS 38.561;
ETSI EN 301 908-2; ETSI EN 301 908-13;
CTIA Certification Test Plan for Wireless
Device Over-the-Air Performance^{1,2};
CTIA Certification Wi-Fi Alliance Test
Plan for RF Performance Evaluation of
Wi-Fi Mobile Converged Devices¹;
CTIA Certification Test Plan for MIMO
Over the Air Performance¹

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
ElectroMagnetic Compatibility (EMC) requirements for
mobile terminals and ancillary equipment
(Radiated Emissions only)

3GPP TS 34.124

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access (E-UTRA);
ElectroMagnetic Compatibility (EMC) requirements for
mobile terminals and ancillary equipment
(Radiated Emissions only)

3GPP TS 36.124

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR; ElectroMagnetic Compatibility (EMC) requirements
for mobile terminals and ancillary equipment (Radiated
Emissions only)

3GPP TS 38.124

PVG PTCRB Validation Group GUIDELINES FOR
RADIATED SPURIOUS EMISSION TESTING

PVG.04

Test Technology(s):**Test Method(s)^{1,2,3:}**

National technical regulation on Land Mobile User Equipment - Radio Access

QCVN 117

National technical regulation on Standalone 5G User Equipment - Radio Access

QCVN 127

National technical regulation on Non-Standalone 5G User Equipment - Radio Access

QCVN129

IT Technology- Cybersecurity

Common security requirements for radio equipment - Part 1: Internet connected radio equipment

EN 18031-1

Common security requirements for radio equipment – Part 2: radio equipment processing data, namely Internet connected radio equipment, childcare radio equipment, toys radio equipment and wearable radio equipment

EN 18031-2

Common security requirements for radio equipment – Part 3: Internet connected radio equipment processing virtual money or monetary value

EN 18031-3

Cyber Security for Consumer Internet of Things: Conformance Assessment of Baseline Requirements

ETSI TS 103 701

¹Accreditation to the requirements of the CTIA Certification Test Plan does not imply authorization by the CTIA Certification program. Please see the CTIA website <https://ctiacertification.org/test-labs/> for a listing of Authorized Test Labs (ATLs).

²CTIA 01.01 Test Scope Requirements and Applicability is used in support of the CTIA Test Plan for Wireless Device Over-the-Air Performance³ and should not be considered its own test method.

***65, Sinwon-ro Yeongtong-gu,
Suwon-si, Gyeonggi-do, Republic of Korea
(Suwon Lab)***

Test Technology(s):**Test Method(s)^{3:}**

Global System for Mobile communications (GSM);
Mobile Stations (MS) equipment;
Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU
(Radiated Emissions only)

ETSI EN 301 511



Test Technology(s):**Test Method(s)³:**

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network
Digital Cellular Telecommunications System (Phase 2+);
Mobile Station (MS) Conformance Specification;
Part 1: Conformance Specification
(Radiated Emissions only)

3GPP TS 51.010-1

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
ElectroMagnetic Compatibility (EMC) requirements for
mobile terminals and ancillary equipment
(Radiated Emissions only)

3GPP TS 34.124

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
Evolved Universal Terrestrial Radio Access (E-UTRA);
ElectroMagnetic Compatibility (EMC) requirements for
mobile terminals and ancillary equipment
(Radiated Emissions only)

3GPP TS 36.124

3rd Generation Partnership Project;
Technical Specification Group Radio Access Network;
NR; ElectroMagnetic Compatibility (EMC) requirements
for mobile terminals and ancillary equipment (Radiated
Emissions only)

3GPP TS 38.124

PVG PTCRB Validation Group GUIDELINES FOR
RADIATED SPURIOUS EMISSION TESTING

PVG.04

³When 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 test method, per Annex A, Part C of A2LA's *R101 - General Requirements: Accreditation of Conformity Assessment Bodies*.



Accredited Laboratory

A2LA has accredited

EUROFINS KCTL CO., LTD.

Suwon-si, Gyeonggi-do, Republic of Korea

for technical competence in the field of

Electrical 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 26th day of November 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6842.01
Valid to October 31, 2026
Revised March 20, 2026

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