



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CELLTECH LABS INC.
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ELECTRICAL

Valid To: November 30, 2024

Certificate Number: 2470.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic exposure and wireless telecommunications tests:

Test Technology:

Test Method(s)¹:

Emissions

Conducted and Radiated
(3m OATS, table top equipment
only, up to 40 GHz)

CFR 47, FCC Part 15, Subpart B
(using ANSI C63.4:2014 with ANSI C63.4a-2017 and ANSI
C63.25:2018);
CISPR 32; CISPR 22
(excluding measurements on telecom ports);
CFR 47, FCC Part 18 (using MP-5:1986);
ICES-001; ICES-003; EN 55022; EN 55032; EN 60945

Immunity

Electrostatic Discharge (ESD)

IEC 61000-4-2; EN 61000-4-2

Radiated Immunity
(UFA 0.5m x 0.5m, 10 V/m,
80 MHz-2.7GHz)

IEC 61000-4-3; EN 61000-4-3

Electrical Fast Transient / Burst
(EFT)

IEC 61000-4-4; EN 61000-4-4

Surge

IEC 61000-4-5; EN 61000-4-5

Conducted Immunity

IEC 61000-4-6; EN 61000-4-6

Voltage Dips, Interrupts, and
Variations

IEC 61000-4-11; EN 61000-4-11

Test Technology:

Test Method(s)¹:

***Generic/Product Family/
Product Specific Standards***

Generic Emissions

EN 61000-6-3 (excluding the following measurements:
a) low voltage AC mains ports [0 kHz to 2 kHz]
b) discontinuous disturbance on low voltage AC mains ports [0,15 MHz to 30 MHz]
c) telecommunications/network ports [0,15 MHz to 30 MHz])

IEC 61000-6-3 (excluding the following measurements:
a) low voltage AC mains ports [0 kHz to 2 kHz]
b) discontinuous disturbance on low voltage AC mains ports [0,15 MHz to 30 MHz]
c) telecommunications/network ports [0,15 MHz to 30 MHz])

EN 61000-6-4 (excluding the following measurements:
a) telecommunications/network ports [0,15 MHz to 30 MHz])

IEC 61000-6-4 (excluding the following measurements:
a) telecommunications/network ports [0,15 MHz to 30 MHz])

Generic Immunity

EN 61000-6-1 (excluding the following measurement:
a) enclosure port [Power-frequency magnetic field])

IEC 61000-6-1 (excluding the following measurement:
a) enclosure port [Power-frequency magnetic field])

EN 61000-6-2 (excluding the following measurements:
a) enclosure port [Power-frequency magnetic field])

IEC 61000-6-2 (excluding the following measurements:
a) enclosure port [Power-frequency magnetic field])

CISPR 24 (excluding the following measurement:
a) enclosure port [Power-frequency magnetic field])

Radio Tests

(3m OATS, table top equipment only, up to 40 GHz)

Unlicensed Radio – FCC
(excluding DFS testing)

CFR 47, FCC Part 2;
CFR 47, FCC Part 15 Subparts C/E (using ANSI C63.4:2014 with ANSI C63.4a:20173 and ANSI C63.10:2013);
ANSI C63.10:2020; FCC KDB 789033;



Test Technology:

Test Method(s)¹:

Radio Tests

(3m OATS, table top equipment only, up to 40 GHz) (Cont.)

Licensed Radio – FCC

CFR 47, FCC Parts 22, 24, 25, 27, 80, 87, 90, 95, 96, 97 and 101 (using ANSI/TIA-603-E, TIA-102.CAAA-E, and ANSI C63.26)

IC / ISED

RSS-112; RSS-119; RSS-123; RSS-125; RSS-127; RSS-130; RSS-131; RSS-132; RSS-133; RSS-134; RSS-135; RSS-137; RSS-139; RSS-141; RSS-142; RSS-170; RSS-182; RSS-191; RSS-192; RSS-194; RSS-195; RSS-196; RSS-197; RSS-198; RSS-199; RSS-210; RSS-216; RSS-236; RSS-243; RSS-244; RSS-247 (*without DFS*); RSS-248; RSS-287; RSS-288; RSS-310; RSS-Gen; BETS-6; BETS-8

European Union (EU)

EN 300 220-1; EN 300 220-2; EN 300 330-1; EN 300 330-2; EN 300 440-1; EN 300 440-2; EN 300 328; EN 301 178-1; EN 302 248; EN 301 489-1; EN 301 489-2; EN 301 489-3; EN 301 489-4; EN 301 489-5; EN 301 489-6; EN 301 489-9; EN 301 489-15; EN 301 489-17; EN 301 489-19; EN 301 489-20; EN 301 489-29; EN 301 489-33; EN 301 489-34; EN 301 893; EN 303 413

Australia/New Zealand Radio

AS/NZS 4268; AS/NZS 4295; AS/NZS 4365; AS/NZS 4768; AS/NZS 4770; AS/NZS 4771; AS/NZS 4355; AS/NZS CISPR 22 (*Excluding measurements on telecom ports*); AS/NZS CISPR 32; AS/NZS CISPR 35

Specific Absorption Rate (SAR)

RF Exposure/SAR/Nerve Stimulation

IEEE 1528 (2013); IEC/IEEE 62209-1528 (Full SAR only, 30 MHz – 6GHz); IEEE C95.1; RSS-102.SAR.MEAS Including Safety Code 6; RSS-102.NS.MEAS; RSS-102.APD.MEAS; RSS-102.IPD.MEAS; SPR-002 Issue 1, September 2016 (NS - Nerve Stimulation); IEC 62209-1 Edition 2, July 2016 (SAR Testing); IEC 62209-2 Edition 1, March 2010 (SAR Testing); EN 50360; EN 50361; EN 50364; EN 50383; EN 50499; EN 50566; EN 50663; EN 50664; EN 50665; EN 62233; EN 62311; EN 62369; EN 62479;



Test Technology:**Test Method(s)¹:**

Specific Absorption Rate (SAR)
 RF Exposure/SAR/Nerve
 Stimulation (*Cont.*)

Australian Communications and Media Authority (ACMA)
 Radiocommunications (Electromagnetic Radiation – Human
 Exposure) Standard 2014;
 ARPANSA RPS No.3;
 NZS 2772.1; AS/NZS 2772.2;
 Technical Requirements for the Human Protection against
 Electromagnetic Waves (MSIT Public Notification 2019-4, Jan
 16, 2019);
 Technical Requirements for Measurement and Test Procedure
 of Specific Absorption Rate (RRA Public Notification 2018-18,
 December 7, 2018);
 Technical Requirements for Measurement of Electromagnetic
 Field Strength (RRA Public Notification 2019-3, March 4,
 2019);
 Equipment to be subject of Test Procedure for Electromagnetic
 Field Strength and Specific Absorption Rate (RRA Public
 Notification 2019-1, January 17, 2019);
 FCC KDB 447498; FCC KDB 616217;
 FCC KDB 643646; FCC KDB 865664; FCC KDB 941225

¹ 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*.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²:

Rule Subpart/Technology	Test Method	Maximum Frequency
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40 GHz
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	40 GHz
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013; ANSI C63.10:2020	40 GHz
<u>U-NII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013; ANSI C63.10:2020	40 GHz



Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²:

Rule Subpart/Technology	Test Method	Maximum Frequency
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40 GHz
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (non-cellular), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), and 101 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40 GHz
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u> Part 96	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40 GHz
<u>Maritime and Aviation Radio Services</u> Parts 80 and 87	ANSI/TIA-603-E; ANSI C63.26:2015	40 GHz
<u>RF Exposure</u> Devices Subject to SAR Requirements	IEEE Std 1528:2013 IEC/IEEE 62209-1528	6 GHz

²Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.

³ANSI C63.4a-2017 is used to perform NSA in support of ANSI C63.4:2014 and should not be considered its own test method.





Accredited Laboratory

A2LA has accredited

EUROFINS PRODUCT SERVICE (THAILAND) CO., LTD.

Bangkok, Thailand

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 5th day of December 2023.

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 2402.01
Valid to December 31, 2025

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