SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CELLTECH LABS INC.
21-364 Lougheed Road
Kelowna, British Columbia, V1X 7R8, Canada
Ben Hewson Phone: 250 765 7650

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); 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

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

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 C63.10:2013);

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-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
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 Issue 5, March 2015 Including Safety Code 6; RSS-102 Measurement (SAR) Issue 5, March 2015; RSS-102 Measurement (RF Exp.) Issue 5, March 2015; RSS-102 Measurement (NS) Issue 5, March 2015; 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.1[2]:

Rule Subpart/Technology	Test Method	Maximum Frequency
Unintentional Radiators Part 15B	ANSI C63.4:2014	40 GHz
Industrial, Scientific, and Medical Equipment Part 18	FCC MP-5 (February 1986)	40 GHz
Intentional Radiators Part 15C	ANSI C63.10:2013	40 GHz
U-NII without DFS Intentional Radiators Part 15E	ANSI C63.10:2013	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.1[2]:

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

[2]Accreditation 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.

[3]ANSI 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

CELLTECH LABS INC.

Kelowna, British Columbia, Canada

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 13th day of January 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2470.01
Valid to November 30, 2024

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