



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NORTH AMERICAN EMC CERTIFICATION SERVICES INC.
24889 Ferguson Avenue
Maple Ridge, British Columbia
V2W 1H4 Canada
Ms. Sandy Cheng Phone: 604 466 5978

ELECTRICAL

Valid To: May 31, 2020

Certificate Number: 4812.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility (EMC), and Radio tests:

Test Technology:

Test Method(s)¹:

Emissions

Conducted and Radiated
*(up to 40 GHz, table top
equipment only)*

ANSI C63.4:2014; ANSI C63.10:2013; ANSI C63.17:2013;
47 CFR FCC Part 15, Subpart B (using ANSI C63.4:2014);
47 CFR FCC Part 15, Subpart C (using ANSI C63.10:2013);
47 CFR FCC Part 15, Subpart D (using ANSI C63.17:2013);
47 CFR FCC Part 15, Subpart E (using ANSI C63.10:2013);
47 CFR FCC Part 15, Subpart E (using FCC KDB 905462 D02 (v02));
47 CFR FCC Part 15, Subpart F (using ANSI C63.10:2013);
47 CFR FCC Part 15, Subpart G (using ANSI C63.10:2013);
47 CFR FCC Part 15, Subpart H (using ANSI C63.10:2013);
47 CFR FCC Part 18 (using FCC MP-5:1986);
ICES-001; ICES-003; ICES-006

Radio Communications
*(up to 40 GHz, excluding
SAR and HAC testing)*

RSS-102; RSS-111; RSS-112; RSS-117; 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-140; RSS-141; RSS-142; RSS-170; RSS-181;
RSS-182; RSS-191; RSS-192; RSS-194; RSS-195; RSS-196; RSS-197;
RSS-199; RSS-210; RSS-211; RSS-213; RSS-215; RSS-216; RSS-220;
RSS-222; RSS-236; RSS-238; RSS-243; RSS-244; RSS-247; RSS-251;
RSS-252; RSS-287; RSS-288; RSS-310; RSS-GEN;
BETS-1; BETS-3; BETS-4; BETS-5; BETS-6; BETS-7; BETS-8; BETS-9;
ANSI C63.26:2015; ANSI/TIA-603-E; TIA-102.CAAA-E;
47 CFR FCC Part 22, 24, 25, and 27 (using ANSI C63.26:2015);
47 CFR FCC Part 22, 90, 95, 97, and 101 (using ANSI C63.26:2015);
47 CFR FCC Part 96 (using ANSI C63.26:2015);
47 CFR FCC Parts 80 and 87 (using ANSI C63.26:2015);
47 CFR FCC Parts 25, 30, 74, 90, and 101 (using ANSI C63.26:2015);
47 CFR FCC Parts 73 and 74 (using ANSI C63.26:2015);
47 CFR FCC Part 20 (using ANSI C63.26:2015, FCC KDB 935210 D03
(v04), FCC KDB 935210 D04 (v02), and FCC KDB 935210 D05 (v01r01))

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is expected to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements - Accreditation of ISO-IEC 17025 Laboratories*.

Testing Activities Performed in Support of FCC Declaration of Conformity and 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 (MHz)
<u>Unintentional Radiators</u>		
Part 15B	ANSI C63.4:2014	40000
<u>Industrial, Scientific, and Medical Equipment</u>		
Part 18	FCC MP-5 (February 1986)	40000
<u>Intentional Radiators</u>		
Part 15C	ANSI C63.10:2013	40000
<u>Unlicensed Personal Communication Systems Devices</u>		
Part 15D	ANSI C63.17:2013	40000
<u>U-NII without DFS Intentional Radiators</u>		
Part 15E	ANSI C63.10:2013	40000
<u>U-NII with DFS Intentional Radiators</u>		
Part 15E	FCC KDB 905462 D02 (v02)	40000
<u>UWB Intentional Radiators</u>		
Part 15F	ANSI C63.10:2013	40000
<u>BPL Intentional Radiators</u>		
Part 15G	ANSI C63.10:2013	40000
<u>White Space Device Intentional Radiators</u>		
Part 15H	ANSI C63.10:2013	40000
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u>		
Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI C63.26:2015	40000
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u>		
Parts 22 (non-cellular), 90 (below 3 GHz), 95, 97 (below 3 GHz), and 101 (below 3 GHz)	ANSI C63.26:2015	40000



Testing Activities Performed in Support of FCC Declaration of Conformity and 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 (MHz)
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u> Part 96	ANSI C63.26:2015	40000
<u>Maritime and Aviation Radio Services</u> Parts 80 and 87	ANSI C63.26:2015	40000
<u>Microwave and Millimeter Bands Radio Services</u> Parts 25, 30, 74, 90 (M DSRC, Y, Z), 95 (M and L) and 101	ANSI C63.26:2015	40000
<u>Broadcast Radio Services</u> Parts 73 and 74 (below 3 GHz)	ANSI C63.26:2015	40000
<u>Signal Boosters</u> Part 20 (Wideband Consumer Signal Boosters, Provider-specific signal boosters, and Industrial Signal Boosters), Section 90.219	ANSI C63.26:2015	40000

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.

On the following products and materials:

Unintentional/Intentional Radiators (e.g. Receiver, Keyboard, Information Technology Equipment (ITE), Multimedia Equipment, WLAN Devices (with or without DFS), Household Appliances, Industrial Science and Medical (ISM) Equipment, Maritime Navigation Equipment, Airborne Equipment, Cellphones, PCS Equipment, Radio Communications & Telecommunications Equipment, Broadcasting Equipment





Accredited Laboratory

A2LA has accredited

NORTH AMERICAN EMC CERTIFICATION SERVICES INC.

Maple Ridge, Canada

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 17th day of July 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 4812.01
Valid to May 31, 2020

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