SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BUREAU VERITAS CONSUMER PRODUCTS SERVICES, INC.
815 N. Opdyke Road, Suite 100
Auburn Hills, MI 48326
Jason Kanakry Email: Jason.kanakry@bureauveritas.com
Curtis Mello Email: Curtis.Mello@bureauveritas.com

ELECTRICAL

Valid To: April 30, 2024 Certificate Number: 5678.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Automotive EMC tests:

Test Technology:	**Test Method(s)[1]:**
Automotive EMC	
RF Conducted Emissions	CISPR 25
RF Radiated Emissions	CISPR 25
Radiated Immunity up to 600 V/m Radar	ISO-11452-2
Bulk Current Injection	ISO-11452-4; SAE J1113-4
Magnetic Field Immunity	ISO-11452-8 *(excluding Helmhotz coil)*; ISO 7637-2
Portable Handheld Transmitter Immunity	ISO-11452-9
Radiated Immunity Reverb	ISO-11452-11; IEC 61000 4-21
Conducted Transient Emissions	ISO-7637-2
Transient Immunity on Supply Lines	ISO-7637-2; SAE J1113-11
Transient Immunity Coupling	ISO-7637-3; SAE J1113-12
Electrostatic Discharge	ISO-10605; SAE J1113-13
Electrical Loads	ISO-16750-2 (*excluding sections 4.11 & 4.12)*; GMW 3172 Sections 8.2 & 9.2 (*excluding section 9.2.16*)
Automotive Specific Standards	UN-Regulation No. 10; E/ECE/324/Add.9 *(Only standards listed above under Automotive EMC*)
Emissions	
Radiated and AC Line Conducted *(3m semi-anechoic chamber, up to 40 GHz)*	CFR 47, FCC Part 15, Subpart B (using ANSI C63.4:2014); CISPR 22; EN 55022; CISPR 32; EN 55032; ICES-003

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]:**
Immunity	
Electrostatic Discharge (ESD)	IEC 61000-4-2; EN 61000-4-2
Radiated Immunity (*80MHz to 6GHz, up to 30V/m*)	IEC 61000-4-3; EN 61000-4-3
Generic and Product Specific EMC *(RE, CE, ESD, RI and Transient Immunity on Supply Lines only)*	EN 301 489-1; EN 301 489-17; EN 301 489-19
Radio Communications *(up to 40 GHz) (excluding SAR & HAC)*	
Unlicensed Radio - FCC	47 CFR, FCC Part 2; 47 CFR, FCC Part 15, Subpart C (using ANSI C63.10:2013); 47 CFR, FCC Part 15, Subpart E (using ANSI C63.10:2013 and FCC KDB 905462 D02 (v02)); ANSI C63.4:2014
Canada	RSS-GEN; RSS-210; RSS-247; RSS-248; RSS-310
Europe (EU)	EN 300 220; EN 300 328; EN 300 440; EN 301 893; EN 303 413
RF Exposure ***(MPE calculation only)***	47 CFR, FCC Part 2.1091; KDB 447498; RSS-102 Measurement (RF Exp); IEEE C95.3-2021; IEC/EN 50385; IEC/EN 62311; IEC/EN 62479
V2X	WAVE-16092-TSS&TP (Conformance test specifications for Wireless Access in Vehicular Environments (WAVE) – Security Services); WAVE-16093-TSS&TP (Conformance test specifications for Wireless Access in Vehicular Environments (WAVE) – Networking Services); WAVE 802.11-TSS&TP (Conformance test specifications for Wireless Access in Vehicular Environments (WAVE); WAVE-MCO-TSS&TP (Conformance test specifications for Wireless Access in Vehicular Environments (WAVE) – Multi-channel Operation); J2945/1-TSS&TP -SAE J2945/1 - On-board System Requirements for V2V Safety Communications; WAVEV2I-TSS&TP-RSU 4.1a Requirements

[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.1 [2]

Rule Subpart/Technology	**Test Method**	**Maximum Frequency (MHz)**
Unintentional Radiators		
Part 15B	ANSI C63.4:2014	40000
Intentional Radiators		
Part 15C	ANSI C63.10:2013	40000
U-NII without DFS Intentional Radiators		
Part 15E	ANSI C63.10:2013	40000
U-NII with DFS Intentional Radiators		
Part 15E	FCC KDB 905462 D02 (v02)	40000

[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.

Accredited Laboratory

A2LA has accredited

BUREAU VERITAS CONSUMER PRODUCTS SERVICES, INC.

Auburn Hills, MI

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 17th day of May 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5678.01
Valid to April 30, 2024

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