



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL<sup>1</sup>

Valid to: August 31, 2020

Certificate Number: 2152.01

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 satellite location listed below*, to this laboratory to perform the test methods identified below:

<u>Tests</u>	<u>Standards</u> <sup>1</sup>
<b><i>Emissions</i></b>	
Radiated and Conducted (3m semi-anechoic chamber, up to 40 GHz)	FCC Part 15 Subpart B (using ANSI C63.4:2014); FCC Part 18 (using MP-5:1986); ICES-001; ICES-003; ICES-005; CISPR 11; AS/NZS CISPR 11; EN 55011; IEC 55011; KN 11; CNS 13803; CISPR 13; EN 55013; CNS 13439; CISPR 14-1 ( <i>excluding click measurements and disturbance power measurements</i> ); EN 55014-1 ( <i>excluding click measurements and disturbance power measurements</i> ); EN 50083-1; EN 50083-2; CISPR 32; AS/NZS CISPR 32; EN 55032; KN 32; EN 55015 ( <i>excluding LLAS radiated disturbance measurement</i> ); CISPR 15; CISPR 20; EN 55020; KN 20; CISPR 22; AS/NZS CISPR 22; EN 55022; KN 22; EN 55103-1; EN 55103-2; CNS 13438 ( <i>up to 6 GHz</i> ); VCCI V-3 ( <i>up to 6 GHz</i> )
Current Harmonics	EN 61000-3-2; IEC 61000-3-2; KN 61000-3-2
Flicker	EN 61000-3-3; IEC 61000-3-3; KN 61000-3-3
<b><i>Immunity</i></b>	
Electrostatic Discharge (ESD)	EN 61000-4-2; IEC 61000-4-2; KN 61000-4-2
Radiated Immunity	EN 61000-4-3 ( <i>up to 10V/m @ 1GHz, up to 10V/m @ 6.0 GHz</i> ); IEC 61000-4-3 ( <i>up to 10V/m @ 1GHz, up to 10V/m @ 6.0 GHz</i> ); KN 61000-4-3
EFT/Burst	EN 61000-4-4; IEC 61000-4-4; KN 61000-4-4; IEC 61000-4-4:2004 + Cor 1:2006 + Cor 2:2007
Surge	EN 61000-4-5; IEC 61000-4-5; KN 61000-4-5

<u>Tests</u>	<u>Standards</u> <sup>1</sup>
<b>Immunity (cont'd)</b>	
Immunity to Conducted Disturbances	EN 61000-4-6; IEC 61000-4-6; KN 61000-4-6
Power Frequency Magnetic Field	EN 61000-4-8 ( <i>excluding short duration mode</i> ); IEC 61000-4-8 ( <i>excluding short duration mode</i> ); KN 61000-4-8 ( <i>excluding short duration mode</i> )
Voltage Dips, Short Interruptions and Line Voltage Variations, Unbalance, and Line Frequency Variations	EN 61000-4-11; IEC 61000-4-11; KN 61000-4-11; IEC 61000-4-14; IEC 61000-4-27; IEC 61000-4-28; IEC 61000-4-29; IEC 61000-4-34
Harmonics and Interharmonics	IEC 61000-4-13
<b>Generic, Product Family, and Product Specific Standards</b>	
Industrial and Residential	EN 61000-6-1, -2, -3, -4; KN 61000-6-1, -2, -3, -4
ITE	EN 55024; CISPR 24; KN 24
Laboratory	EN 61326; IEC 61326
Maritime	EN 60945:2002 ( <i>Only Paragraphs 9 and 10</i> ); IEC 60945:2002 ( <i>Only Paragraphs 9 and 10</i> )
Medical	EN 60601-1-2; IEC 60601-1-2
Household Appliances, Electric Tools and Similar Apparatus	CISPR 14-2
EMC for Radio Equipment	EN 301 489-1 ( <i>Excluding Section 9.6</i> ); EN 301 489-2, through -37; EN 301 489-50; KN 301 489-01; KN 301 489-02; KN 301 489-03; KN 301 489-05; KN 301 489-06; KN 301 489-07; KN 301 489-09; KN 301 489-13; KN 301 489-17; KN 301 489-18; KN 301 489-20; KN 301 489-24; KN 301 489-26; KN 301 489-27; KN 301 489-32
RF Measurements	ATS (American Traffic Solutions) RR24F-ST3 Tracking Radar Sensor Verification; ATS RR24F-SD2 Radar Sensor Verification ( <i>Clause 3</i> )
<b>Product Safety</b>	
Office Equipment <sup>2</sup>	EN 60950-1:2006; IEC 60950-1:2005; AS/NZS 60950.1:2011 ( <i>Excluding Clauses Detailed in Table 1 Below</i> )
Audio, Video and Similar Electronic Apparatus <sup>2</sup>	EN 60065:2011; IEC 60065:2011-02 ( <i>Excluding Clauses Detailed in Table 2 Below</i> )
Audio, Video, Information and Communication Technology Equipment	EN 62368-1:2014/AC:2015; IEC 62368-1:2014 ( <i>Excluding Clauses Detailed in Table 3 Below</i> )
Electrical Equipment for Measurement, Control, and Laboratory	IEC/EN 61010-1:2017 ( <i>Excluding Clauses Detailed in Table 6 Below</i> )

<u>Tests</u>	<u>Standards</u> <sup>1</sup>
<b>Product Safety (cont'd)</b>	
Marine	EN 60945:2002; IEC 60945:2002 ( <i>Excluding Environmental</i> )
Lighting	ANSI/UL 1598; CSA-C22.2 No. 250.0; EN 60958-1; IEC 60958-1; ANSI/UL 1993; CSA-C22.2 No. 1993:2012; IEC 62560; ANSI/UL 8750; CSA-C22.2 No. 250.13:2012; ANSI/UL 2108
<b>Specific Absorption Rate (SAR)</b>	RSS 102:2015 (SAR, RF Exposure Evaluation) EN 50566-2013; EN 50360; EN 62209-1; IEC 62209-1; IEC 62209-2; Australian Communications Authority Radio Communications (Electromagnetic Radiation – Human Exposure) Standard 2003
<b>RF Exposure (Maximum Permissible Exposure)</b>	IEEE C95.1-1999; IEEE C95.1-2005; IEEE C95.3-2002
<b>Transmitters/Receivers (excluding HAC)</b>	
Intentional and Unintentional Radiators to FCC Regulations (TCB Scopes A1-A4 and B1-B4)	47 CFR Parts 2 and 11; 47 CFR Part 15 B, C, D, E, F, and G (using ANSI C63.4:2014, ANSI C63.10:2013, ANSI C63.17:2013,); 47 CFR Part 18 (using FCC MP-5:1986); 47 CFR Parts 20, 22 (cellular and non-cellular), 24, 25, 27, 30, 73, 74, 80, 87, 90, 95, 96, 97, and 101 (using Part 2 ANSI/TIA 603-D, ANSI/TIA 603-E and/or FCC KDB 905462 D02 (v02) and ANSI C63.26:2015)
Innovation Science and Economic Development Canada Radio Standards Specifications (RSS in Category I Equipment Standards List)	RSS-102 (SAR, RF Exposure Evaluation); 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
Europe ( <i>RF Sections Only</i> )	ETSI EN 300 086; ETSI EN 300 113; ETSI EN 300 162-1, -2, -3; ETSI EN 300 219-1, -2; ETSI EN 300 220-1, -2; ETSI EN 300 224; ETSI EN 300 296-1, -2; ETSI EN 300 328; ETSI EN 300 330-1, -2; ETSI EN 300 341; ETSI EN 300 373-1, -2; ETSI EN 300 390-1, -2; ETSI EN 300 422-1, -2; ETSI EN 300 440-1, -2; ETSI EN 300 454/A1; ETSI EN 300 454-1, -2; ETSI EN 300 609; ETSI EN 300 720-1, -2; ETSI EN 301 357-1, -2; ETSI EN 301 441; ETSI EN 301 443; ETSI EN 301 444; ETSI EN 301 473; ETSI EN 301 502; ETSI EN 301 511; ETSI EN 301 840-1, -2; ETSI EN 301 843-1, -2, -3, -4, -5, -6; ETSI EN 301 893; ETSI EN 301 908-1 through -20; ETSI EN 302 064-1, -2; ETSI EN 302 066-1, -2; ETSI EN 302 065; ETSI EN 302 194-1, -2; ETSI EN 302 208-1, -2; ETSI EN 302 217-1, -2, -3, -4; ETSI EN 302 291-1, -2; ETSI EN 302 326-1, -2; ETSI EN 302 426; ETSI EN 302 502; ETSI EN 302 571; ETSI EN 302 645; ETSI EN 303 035-1, -2

<u>Tests</u>	<u>Standards</u> <sup>1</sup>
Hong Kong (HKCA)	HKCA 1001; HKCA 1002; HKCA 1003; HKCA 1004; HKCA 1005; HKCA 1006; HKCA 1007; HKCA 1008; HKCA 1010; HKCA 1016; HKCA 1035; HKCA 1036; HKCA 1037; HKCA 1039; HKCA 1041; HKCA 1042; HKCA 1044; HKCA 1045; HKCA 1046; HKCA 1048; HKCA 1049; HKCA 1051
Australia	
Harmonized	AS/NZS 4295; AS/NZS 4365; AS/NZS 4415; AS/NZS 4280; AS/NZS 4583; AS/NZS 4769; AS/NZS 4582; AS/NZS 4768
Non-Harmonized	AS/ACIF S042.1; AS/ACIF S042.3; AS/NZS 4268; AS/NZS 4281; AS/NZS 4355; AS 4367; AS/NZS 4771
Taiwan	LP0002
Singapore	IMDA TS CMT ( <i>RF Requirements Only</i> ); IMDA TS SRD; IMDA TS WBA; IDA TS EMC; IDA TS RPG
Japan	ARIB STD T-33; ARIB STD-T66; ARIB STD-T67; ARIB STD-T75; ARIB STD-T91; ARIB STED T-96; ARIB STD-108
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Performance	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)
Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Performance - FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)
Project 25 Phase 2 Common Air Interface Trunked Subscriber Unit Performance - TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.1.3 (using ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – Direct Mode <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.1 (TIA-102.CABA)
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – Repeat Mode <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)
Project 25 Phase 1 Common Air Interface Conventional Subscriber Unit Interoperability – FNE Dispatch Monitoring Console – Repeat Mode <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.2 (TIA-102.CABA)
Project 25 Phase 1 Common Air Interface Trunked Subscriber Unit Interoperability – FDMA <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.4 and P25-CAB-CAI_TEST_REQ August 2016, section 2.1.3.3 (TIA-102.CABC-C and TIA-102.CABC-B)
Project 25 Phase 2 Common Air Interface Trunked Subscriber Unit Interoperability – TDMA <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.1.3.5 (using TIA-102.CABC-C)

<u>Tests</u>	<u>Standards</u> <sup>1</sup>
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Performance	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.1 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)
Project 25 Phase 1 Common Air Interface Trunked Base Station / Repeater Performance - FDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.1.2 (ANSI/TIA-102.CAAA-E and ANSI/TIA-102.CAAB-D)
Project 25 Phase 2 Common Air Interface Trunked Base Station / Repeater Performance - TDMA	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.1.3 (ANSI/TIA-102.CCAA-A and ANSI/TIA-102.CCAB-A)
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Interoperability – Repeat Mode <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.1 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)
Project 25 Phase 1 Common Air Interface Conventional Base Station / Repeater Interoperability – FNE Dispatch Monitoring Console - Repeat Mode <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.2 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.1 (TIA-102.CABA)
Project 25 Phase 1 Common Air Interface Trunked Base Station / Repeater Interoperability – FDMA <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.3 and P25-CAB-CAI_TEST_REQ August 2016, section 2.2.3.2 (TIA-102.CABC-C and TIA-102.CABC-B)
Project 25 Phase 2 Common Air Interface Trunked Base Station / Repeater Interoperability – TDMA <sup>3</sup>	P25-CAB-CAI_TEST_REQ July 2017, section 2.2.3.4 (using TIA-102.CABC-C)

<sup>1</sup> 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*.

## <sup>2</sup> Exclusions Tables

<b>Exclusions from IEC/EN 60065-1</b>	
<b>Clause</b>	<b>Test</b>
6.1	IONIZING RADIATION TEST
7.2	SOFTENING TEMPERATURE OF THERMOPLASTICS
8.22	NON-SEPARABLE THIN SHEET INSULATION TEST
10.1	SURGE TEST
12.1.2	VIBRATION TEST
14.2.5	CAPACITOR AND RC UNIT PASSIVE FLAMMABILITY TEST
14.4.3	COMPONENT PART FLAME TEST
14.5.3	PTC THERMISTOR FLAME TEST
14.6.1	MAINS SWITCH FLAME TEST
14.12	VARISTOR FIRE HAZARD
18.2.2	IMPLOSION TEST, NON-INTRINSICALLY PROTECTED PICTURE TUBE

<sup>2</sup> Exclusions Tables (cont'd)

<b>Exclusions from IEC/EN 60950-1</b>	
<b>Clause</b>	<b>Test</b>
2.10.3.4	MEASUREMENT OF TRANSIENT LEVELS
4.5.2, 4.5	BALL PRESSURE TEST
4.7.3.6	HIGH VOLTAGE (OVER 4 KV) FLAME TEST
5.3	SURGE TESTS
6.2.2.1	IMPULSE TEST
	SOUND LEVEL
6.3	PROTECTION OF THE TELECOMMUNICATION WIRING SYSTEM PROTECTION FROM OVERHEATING
6.5	SHORT DURATION IMPULSE
6.5.3	ACOUSTIC PRESSURE - ON-HOOK / OFF-HOOK
ANNEX A.6 – V-0, V-1, V2	FLAME TEST
ANNEX A.2.7	NEEDLE FLAME TEST
ANNEX A.3, 4.7.3.2	HIGH CURRENT ARCING IGNITION TEST
ANNEX A.4, 4.7.3.2	ENCLOSURE HOT WIRE IGNITION TEST
ANNEX A.5, 4.6.2	HOT FLAMING OIL TEST
ANNEX A.7 - HBF, HF-1, HF-2	FLAMMABILITY TEST
ANNEX H, 4.3.13	IONIZING RADIATION MEASUREMENT TEST
ANNEX K.2, 1.5.3	200 CYCLE THERMOSTAT TEST
ANNEX K.3, 1.5.3	10,000 CYCLE THERMOSTAT ENDURANCE TEST
ANNEX K.4, 1.5.3	1000 CYCLE TEMPERATURE LIMITER TEST
ANNEX K.5, 1.5.3, 4.5.1	200 CYCLE THERMAL CUT-OUT TEST
6.4 - ANNEX NAC	OVERVOLTAGE TEST

<b>Exclusions from IEC/EN 62368-1</b>	
<b>Clause</b>	<b>Test</b>
5.4.1.10.3	Ball Pressure Test
5.4.2.3.2	Determining Transient Voltages
8.5.5	High Pressure Lamps
8.10.6	Thermoplastic Temperature Stability
10	Radiation
Annex C	UV Radiation
Annex G.1	Switches
Annex G.2	Relays
Annex G.3	Protective Devices
Annex G.5	Wound Components
Annex G.8	Varistors
Annex G.9	IC Current Limiters
Annex G.10	Resistors
Annex G.11	Capacitors and RC Units
Annex G.12	Optocouplers
Annex G.13	Printed Boards
Annex G.14	Coatings on Component Terminals
Annex G.15	Pressurized Liquid Filled Components
Annex G.16	IC Including Capacitor Discharge Function
Annex H	Criteria for Telephone Ringing Signals
Annex J	Insulated winding wires for use without interleaved insulation



<sup>2</sup> Exclusions Tables (cont'd)

<b>Exclusions from IEC/EN 62368-1 (cont'd)</b>	
Annex K	Safety Interlocks
Annex M.2	Safety of Batteries and their Cells
Annex M.7	Risk of explosion from lead acid and NiCd batteries
Annex M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte
Annex M.9	Preventing electrolyte spillage
Annex N	Electrochemical Potentials
Annex P.5	For metalized coatings, clearances and creepage distances for pollution degree 3 shall be maintained instead of the tests of P.4.2
Annex S	Tests for resistance to heat and fire
Annex U	Mechanical strength of CRTs and protection against the effects of implosion

<b>Exclusions from IEC/EN 61010-1</b>	
<b>Clause</b>	<b>Test</b>
6.8.3.3	The impulse voltage test
11.6.4	Protection against water
11.7.2	Leakage and rupture at high pressure
11.7.4	Overpressure safety device
14.7	Printed wiring boards – vertical burn test
Annex G	Leakage and rupture from fluids under pressure – hydrostatic tests
G.2.2	Conduct of hydrostatic tests
G.2.3	Initial tests
G.2.5	Additional test if modification succeeded in minimizing leakage
G.2.6	Additional test if modifications failed to reduce leakage
G.5	Overpressure safety devices

<sup>3</sup> This laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

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 <sup>4</sup> :		
<b>Rule Subpart/Technology</b>	<b>Test Method</b>	<b>Maximum Frequency (MHz)</b>
Unintentional Radiators		
Part 15B	ANSI C63.4:2014	40000
Industrial, Scientific, and Medical Equipment		
Part 18	FCC MP-5 (February 1986)	40000
Intentional Radiators		
Part 15C	ANSI C63.10:2013	40000

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 <sup>4</sup> :		
Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
Unlicensed Personal Communication Systems Devices		
Part 15D	ANSI C63.17:2013	40000
U-NIII 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
UWB Intentional Radiators		
Part 15F	ANSI C63.10:2013	40000
BPL Intentional Radiators		
Part 15G	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/TIA-603-E; TIA-102.CAAA-E; 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, and 101 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<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	40000
<u>Maritime and Aviation Radio Services</u>		
Parts 80 and 87	ANSI/TIA-603-E; ANSI C63.26:2015	40000
<u>Microwave and Millimeter Bands Radio Services</u>		
Parts 25, 74, 90 (90Y, 90Z, <i>DSRC</i> ), and 101	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000
<u>Broadcast Radio Services</u>		
Parts 73 and 74 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000



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 <sup>4</sup> :		
<b>Rule Subpart/Technology</b>	<b>Test Method</b>	<b>Maximum Frequency (MHz)</b>
<u>Signal Boosters</u>		
Part 20 (Wideband Consumer Signal Boosters, Provider-specific Signal Boosters, and Industrial Signal Boosters)	ANSI C63.26:2015; FCC KDB 935210 D03 (v04); FCC KDB 935210 D04 (v02); FCC KDB 935210 D05 (v01r01)	40000

<sup>4</sup>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

### COMPLIANCE TESTING, LLC

Mesa, AZ

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 30<sup>th</sup> day of July 2019.

A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2152.01  
Valid to August 31, 2020

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