



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

APREL, Inc.

303 Terry Fox Drive, Suite 102

Ottawa (Kanata), Ontario Canada, K2K 3J1

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

and the

**US Federal Communication Commission (FCC) EMC and Telecommunications (EC&T) Testing Designation Program
and
Recognition of Telecommunications Testing - Innovation, Science, and Economic Development (ISED) Canada**

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AT-1810

Certificate Number



ANAB Approval

Certificate Valid Through: 10/01/2021
Version No. 006 Issued: 12/19/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

APREL, Inc.

303 Terry Fox Drive, Suite 102
Ottawa (Kanata), Ontario Canada, K2K 3J1
Stuart Nicol 613-435-8300

TESTING

Valid to: October 1, 2021

Certificate Number: AT-1810

Testing performed in support of FCC approval procedures for Certification

Table with 4 columns: Type of Device Examples, Scope of Accreditation, Supporting FCC Guidance, Comments / Maximum Frequency Tested. Row 1: RF Exposure, IEEE Std 1528TM-2013, KDB Publication 865664, 6 MHz.

Electromagnetic Compatibility

Table with 4 columns: Test Method, Test Specification(s), Range, Comments. Row 1: CENELEC EN 50360:2001/A1:2012; IEEE 1528:2013; IEC/EN 62209-1:2016; IEC/EN 62209-2:2019; EN 50383:2013; FCC OET Bulletin 65, Supplement C; (Edition 01-01) to OET Bulletin 65 (Ed 97-01); ISED Canada; RSS-102 Issue 5, March 2015; IEC TR 63170; Wireless Communications Devices (Examples): Two Way Radios (Portable); Portable Phones (including Cellular, Licensed Non-Broadcast and PCS); WiMax; Bluetooth; Handheld Terminals; etc.; Electromagnetic Exposure (SAR) (400 to 6 000) MHz (0.01 to 100) W/kg (Power Density) between 6 and 90 GHz; ALSAS IOU System & APREL RFISight System (Power Density) Power meter equivalent to Tektronix 11C940; Signal Generator equivalent to HP 83640B; Signal Generator equivalent to S10MS (75-110 GHz) ENA equivalent to Keysight ENA E5063A; Spectrum Analyzer Equivalent to PXA N9030B; Waveguide Harmonic Mixer Equivalent to Keysight M1971E




Electromagnetic Compatibility

Test Method	Test Specification(s)	Range	Comments
IEC 61967:2008, parts 1 & 6 only: Integrated Circuits Measurement of Electromagnetic Emissions 150 kHz to 1 GHz	Integrated Circuits	Electromagnetic Emissions 150 kHz to 1 GHz 10 kHz - 44 GHz	APREL EM Isight Spectrum Analyzer Equivalent to Keysight PXA MY57140772 MS277218, Signal Generator Equivalent to Gigatronics 6061A & Signal Generator Equivalent to HP 83640B (up to 44 GHz)

Notes:

1. Servicing the telecommunication, and commercial industries. The above tests can be performed for various customer supplied test requirements, using the above listed test methods.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1810.



Vice President