



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL TECHNICAL SYSTEMS (NTS)
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ELECTRICAL (EMC)

Valid to: September 30, 2019

Certificate Number: 0214.47

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests: aerospace; defense; telecommunications; electrical; electronics; automotive; information processing; scientific instruments and commercial.

Test(s)

Test Method(s)

Emissions

Radiated

RTCA/DO-160D, Section 21;
RTCA/DO-160E, Sections 21.3 and 21.4;
RTCA/DO-160F, Sections 21.4 and 21.5;
RTCA/DO-160G, Sections 21.4 and 21.5;
MIL-STD 461C (RE01 and RE02);
MIL-STD 461D (RE101 and RE102);
MIL-STD 461E (RE101 and RE102);
MIL-STD 461F (RE101 and RE102);
MIL-STD 461G (RE101 and RE102);
MIL-STD 462

Conducted

RTCA/DO-160D, Section 21;
RTCA/DO-160E, Sections 21.3 and 21.4;
RTCA/DO-160F, Sections 21.4 and 21.5;
RTCA/DO-160G, Sections 21.4 and 21.5;
MIL-STD 461C (CE01, CE03, and CE06);
MIL-STD 461D (CE101 and CE102);
MIL-STD 461E (CE101 and CE102);
MIL-STD 461F (CE101, CE102, and CE106);
MIL-STD 461G (CE101, CE102, and CE106);
MIL-STD 462

Immunity

Magnetic Effects

RTCA/DO-160D/E/F/G, Section 15

Power Input

RTCA/DO-160D/E/F/G, Section 16

Test(s)

Test Method(s)

Immunity (cont'd)

Voltage Spike	RTCA/DO-160D/E/F/G, Section 17
Audio Frequency Conducted Susceptibility	RTCA/DO-160D/E/F/G, Section 18
Induced Signal Susceptibility	RTCA/DO-160D/E/F/G, Section 19
RF Susceptibility (Radiated and Conducted)	RTCA/DO-160D/E/F/G, Section 20
Electrostatic Discharge	RTCA/DO-160D/E/F/G, Section 25
Radiated	MIL-STD-461C (RS01, RS02, and RS03); MIL-STD 461D (RS101 and RS103); MIL-STD 461E (RS101 and RS103); MIL-STD 461F (RS101 and RS103); MIL-STD 461G (RS101 and RS103); MIL-STD 462 (RS06); MIL-STD 462
Conducted	MIL-STD-461C (CS01, CS02, CS06, and CS09); MIL-STD 461D (CS101, CS114, CS115, and CS116); MIL-STD 461E (CS101, CS114, CS115, and CS116); MIL-STD 461F (CS101, CS106, CS114, CS115, and CS116); MIL-STD 461G (CS101, CS106, CS114, CS115, and CS116); MIL-STD 462 (CS06); MIL-STD 462





Accredited Laboratory

A2LA has accredited

NATIONAL TECHNICAL SYSTEMS (NTS)

Orlando, FL

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 8 January 2009).



Presented this 16th day of October 2017.

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

President and CEO
For the Accreditation Council
Certificate Number 0214.47
Valid to September 30, 2019

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