SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200422-0

Immunity

Designation	***Description***
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effect
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effects
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 15: Magnetic Effects
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input

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RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 16: Power Input
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 17: Voltage Spike
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 17: Voltage Spikes
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 17: Voltage Spikes
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 19: Induced Signal Susceptibility
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 19: Induced Signal Susceptibility
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 19: Induced Signal Susceptibility
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 20.4: RF Susceptibility, Conducted
RTCA/DO-160C (1989)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160D (1997)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 22: Lightning Induced Transient Susceptibility
RTCA/DO-160F (2007)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 25: Electrostatic Discharge (ESD)
RTCA/DO-160E (2004)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 25: Electrostatic Discharge (ESD)
RTCA/DO-160G (2010)	Environmental Conditions and Test Procedures for Airborne Equipment - Section 25: Electrostatic Discharge (ESD)

MIL-STD

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Designation	***Description***
MIL-STD-1275A	Characteristics of 28 Volts DC Electrical Systems in Military Vehicles
MIL-STD-1275A Notice 1	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275A Notice 2	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275B Notice 1	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1275D	Characteristics of 28 Volt DC Electrical Systems in Military Vehicles
MIL-STD-1399 Section 070	Interface standard for shipboard systems, Section 070 - Part 1- DC Magnetic Field Environment
MIL-STD-1399-300-1	Interface Standard for Shipboard Systems: Low Voltage Electric Power, Alternating Current
MIL-STD 1399 Section 300A	Interface standard for Shipboard Systems: Electric Power, Alternating Current
MIL-STD-1399 Section 300B	Interface Standard for Shipboard Systems: Electric Power, Alternating Current
MIL-STD-704, (1959)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision A (August 9, 1966)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision B (November 17,1975)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision C (December 30, 1977)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision D (September 30, 1980)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision E (May 1, 1992)	Aircraft Electrical Power Characteristics
MIL-STD-704, Revision F (March 12, 2004)	Aircraft, Electric Power Characteristics
DEF-STAN 59-411 Part 3 (2014)	Electromagnetic Compatibility Part 3: Test Methods and Limits for Equipment and Sub Systems *Radiated Emissions Electric and Magnetic Fields; Radiated Susceptibility Electric Field*
DEF-STAN 61-5 Part 6 (2009)	Nominal 12 V and 24 V DC Electrical Systems in Military Platforms

MIL-STD: Conducted Emissions

Designation	***Description***

MIL-STD-461G, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461E, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461F, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-461G, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461E, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461F, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-461G, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-461E, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-461F, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz
MIL-STD-462D, CE101	Conducted Emissions, Power Leads, 30 Hz to 10 kHz
MIL-STD-462D, CE102	Conducted Emissions, Power Leads, 10 kHz to 10 MHz
MIL-STD-462D, CE106	Conducted Emissions, Antenna Terminal, 10 kHz to 40 GHz

MIL-STD: Conducted Susceptibility

Designation	***Description***
MIL-STD-461G, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461E, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461F, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 150 kHz
MIL-STD-461G, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461E, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461F, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-461G, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461E, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461F, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-461G, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-461E, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz

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MIL-STD-461F, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-461F, CS106	Conducted Susceptibility, Transients, Power Leads
MIL-STD-461G, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461E, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461F, CS109	Conducted Susceptibility, Structure Current, 60 Hz to 100 kHz
MIL-STD-461G, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461E, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461F, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 200 MHz
MIL-STD-461G, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461E, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461F, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation
MIL-STD-461G, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461E, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461F, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz
MIL-STD-461G, CS117	Conducted Susceptibility, Lightning Induced Transients, Cables and Power Leads
MIL-STD-461G, CS118	Personnel Borne Electrostatic Discharge (ESD)
MIL-STD-462D, CS101	Conducted Susceptibility, Power Leads, 30 Hz to 50 kHz
MIL-STD-462D, CS103	Conducted Susceptibility, Antenna Port, Intermodulation, 15 kHz to 10 GHz
MIL-STD-462D, CS104	Conducted Susceptibility, Antenna Port, Rejection of Undesired Signals, 30 Hz to 20 GHz
MIL-STD-462D, CS105	Conducted Susceptibility, Antenna Port, Cross-Modulation, 30 Hz to 20 GHz
MIL-STD-462D, CS109	Conducted Susceptibility, Structure Current, 60 HZ to 100 kHz
MIL-STD-462D, CS114	Conducted Susceptibility, Bulk Cable Injection, 10 kHz to 400 MHZ
MIL-STD-462D, CS115	Conducted Susceptibility, Bulk Cable Injection, Impulse Excitation

MIL-STD-462D, CS116	Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads, 10 kHz to 100 MHz

MIL-STD: Radiated Emissions

Designation	***Description***
MIL-STD-461G, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461E, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461F, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461G, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461E, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461F, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-461G, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-461E, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-461F, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz
MIL-STD-462D, RE101	Radiated Emissions, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-462D, RE102	Radiated Emissions, Electric Field, 10 kHz to 18 GHz
MIL-STD-462D, RE103	Radiated Emissions, Antenna Spurious and Harmonic Outputs, 10 kHz to 40 GHz

MIL-STD: Radiated Susceptibility

Designation	***Description***
MIL-STD-461G, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461E, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461F, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-461G, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461E, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461F, RS103	Radiated Susceptibility, Electric Field, 2 MHz to 40 GHz
MIL-STD-461G, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-461E, RS105	Radiated Susceptibility, Transient Electromagnetic Field

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MIL-STD-461F, RS105	Radiated Susceptibility, Transient Electromagnetic Field
MIL-STD-462D, RS101	Radiated Susceptibility, Magnetic Field, 30 Hz to 100 kHz
MIL-STD-462D, RS103	Radiated Susceptibility, Electric Field, 10 kHz to 40 GHz
MIL-STD-462D, RS105	Radiated Susceptibility, Transient Electromagnetic Field

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200422-0

Dayton T. Brown, Inc.

Bohemia, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

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 Communique on ISO/IEC 17025).

2024-12-23 through 2025-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program