



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

ITC Engineering Services, Inc.

9959 Calaveras Road, Sunol, CA 94586

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

& Meets the Requirements of the of the FDA Accreditation Scheme for Conformity Assessment (ASCA) Program

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Electrical Testing (As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

January 17, 2020

April 05, 2025

April 30, 2027

Accreditation No.:

Certificate No.:

93332

L25-270

Tracy Szerszen
President

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjlabs.com*

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084



Certificate of Accreditation: Supplement

ITC Engineering Services, Inc.

9959 Calaveras Road, Sunol, CA 94586

Contact Name: Michael Gbadebo Phone: 925-862-2944

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Electrical Equipment	Radiated, Conducted, Harmonics & Flicker	CISPR 25:2016, ISO 13766:2006, EN 13309:2010, ISO 11452-1:2015, ISO 11452-2:2004, ICES-001: Issue 4: June 2006, ICES-003 Issue 6: June 2016, CISPR 11: 2015, EN 55011:2016, KN 11, AS/NZS CISPR 11:2011, KN 301 489-1 V1.5.1:2004 KN 301 489-17:2015 (Annex 8-13) CNS 13803:2003, CISPR 15: 2015, EN 55015: 2015, MIL-STD-461F, MIL-STD-462D, MIL-STD-461G CISPR 22: 2008, EN 55022:2010, CISPR 32:2015, EN 55032:2015, KN 32 AS/NZS CISPR 22:2010, VCCI V- 3 (up to 6 GHz): 2016-04, VCCI V-5 2016, CNS 13438 (up to 6 GHz):2006 IEC 61000-3-2: 2014, AS/NZ 61000-3-2:2013, EN 61000-3-2: 2014 (Annex 1-2), KN 61000-3-3:2015, AS/NZS 61000-3-2: 2013, AS/NZ 61000-3-3:2012, IEC 61000-3-3:2013, EN 61000-3-3:2013, IEC 61000-3-11:2000, EN 61000-3-11:2001	Spectrum Analyzer	F1	F



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Electrical	Electrical Equipment	Electrostatic Discharge (ESD) Radiated Immunity Electrical Fast Transients/Burst (EFT) Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips. Product Family and Generic Standards Automotive	CSPR 24:2010, EN55024:2010 AS/NZ CISPR 24:2013, CISPR 25:2016, IEC 61000-6-1:2016, IEC 61000-6-2:2016, IEC 61326-1:2012 IEC 61000-4-2: 2008, EN 61000-4-2:2009, KN 61000-4-2:2015, ISO10605:2008, IEC 61000-4-3:2010, EN 61000-4-3:2010, KN 61000-4-3:2015, IEC 61000-4-6:2013-10, IEC 61000-4-39, EN 61000-4-6:2014, KN 61000-4-6:2015 MIL-STD-461F, MIL-STD-462D, MIL-STD-461G, DNVGL-CG-0339:2015, MIL-STD 1275D, MIL-STD. 1275E, IEC 61000-4-4:2012, EN 61000-4-4:2012, KN 61000-4-4:2015, IEC 61000-4-5:2014, EN61000-4-5:2014, KN 61000-4-5:2015, IEC 61000-4-8: 2009, EN61000-4-8:2010, KN 61000-4-8:2015, IEC 61000-4-11:2004, EN 61000-4-11:2004, KN 61000-4-11:2015, BS EN 50498:2010, ANSI C63.27:2017, ANSI/ASA53.22:2014 IEC 61000-6-1:2016, EN 61000-6-1:2007, IEC 61000-6-2:2016, EN 61000-6-2:2005,	Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop Environmental Chamber Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop	F1	F



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Electrical	Electrical Equipment	Electrostatic Discharge (ESD) Radiated Immunity Electrical Fast Transients/Burst (EFT) Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips. Product Family and Generic Standards Automotive	IEC 61000-6-3:2010, EN 61000-6-3:2011, IEC 61000-6-4:2010, EN 61000-6-4:2011, IEC 61326-1:2012, EN 61326-1:2013, IEC 61326-3-1:2017, IEC 61326-2-3:2020, EN 50980-1:2017, IEC 60601-1-2:2014, EN 60601-1-2:2015, IEC 60601-1-2 2.1 Ed.:2004, IEC 60601-1-2 Ed. 4.1:2020 IEC 60601-1-2:2001/AMD1 Ed.:2004, IEC 60601-1-2 Ed. 2007, CISPR 24:2015, EN 55024:2015, IEC 61326-1:2012, EN 61326-1:2013,	Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop Environmental Chamber Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop	F1	F
Electrical	Electrical Equipment	Electrostatic Discharge (ESD) Radiated Immunity Electrical Fast Transients/Burst (EFT) Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips. Product Family and Generic Standards Automotive	EN 60601-1-2:2015, EN 50980-1:2019 ISO 7637 - 2:2011, ISO 16750-3:2007, ISO 16750-4:2010, EN50436-01:2015, EN 50436-02:2015, EN 50436-6:2015, ISO 11452-1:2015, ISO 13766-1:2018, ISO 13766-2:2018, [Docket No. NHTSA-2013-0058] Model Specifications for Breath Alcohol Ignition Interlock Devices: Canada CSTT-HVC-TR-150:2008	Spectrum Analyzer Automotive Transient Tester Breath Alcohol Ignition Interlock Devices Simulator	F1	F



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Electrical	Electrical Equipment	Electromagnetic compatibility (EMC) Electromagnetic disturbances Electrical equipment for measurement, control and laboratory use - EMC requirements	IEC 61000-6-1:2016, EN 61000-6-1:2007, IEC 61000-6-2:2016, EN 61000-6-2:2005, IEC 61000-6-3:2010, EN 61000-6-3:2011, IEC 61000-6-4:2010, EN 61000-6-4:2011, IEC 61326-1:2012, EN61326-1:2013, IEC 61326-3-1:2017, IEC 61326-2-3:2020 IEC 60601-1-2:2014, EN 60601-1-2:2015,	Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop	F1	F
Electrical	Electrical Equipment	Electromagnetic compatibility (EMC) Electromagnetic disturbances Electrical equipment for measurement, control and laboratory use - EMC requirements	IEC 60601-1-2 2.1 Ed.:2004, IEC 60601-1-2:2001/AMD1 Ed.:2004, IEC 60601-1-2 Ed. 2007 CISPR 24:2015, EN 55024:2015, IEC 61326-1:2012, EN 61326-1:2013, EN 60601-1-2:2015, EN 50980-1:2019	Spectrum Analyzer ESD Tester Harmonic and Flicker Tester Magnetic Loop	F1	F
Electrical	Electrical Equipment	Automotive	ISO 7637 - 2:2011, ISO 16750-3:2007, ISO 16750-4:2010, EN 50436-01:2015, EN 50436-02:2015, EN 50436-6:2015, ISO 11452-1:2015, ISO 13766-1:2018, ISO 13766-2:2018, CISPR 25:2016 [Docket No. NHTSA-2013-0058] Model Specifications for Breath Alcohol Ignition Interlock Devices: Canada CSTT- HVC-TR-150:2008	Automotive Transient Tester Environmental Chamber Environmental Chamber Breath Alcohol Ignition Interlock Simulator Breath Alcohol Ignition Interlock Simulator Automotive Transient Tester Automotive Transient Tester Automotive Transient Tester Spectrum Analyzer Breath Alcohol Ignition Interlock Simulator	F1	F



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Electrical	Electrical Equipment	Resistance, Leakage Current, Temperature, Humidity, Impact, Acoustic, Abnormal, Tilt, Construction Review, Force Gauge, Articulate Finger, Hot Wire Ignition Dielectric Withstand Test (Hipot) and Testing of Automatic Gas Burner Control Systems Intrinsic Safety Test, Acoustic Test	UL 60950-1:2007, IEC 60950-1 (excluding clause 4.3.13.2):2013, EN 60950-1:2013, AS/NZS60950:2015, IEC 62368-1:2018, IEC 61010-1:2010/AMD1:2016 (excluding clauses 12.2.1 and 13.3), EN 61010-1 (excluding clauses 12.2.1 and 13.3:2010, IEC 60601-1:2012 (excluding clauses 9.7.5 and 10.1), IEC 60601-1 Ed. :1988, Amendment 1 Ed. :1991, Amendment 2 Ed. :1995, IEC 60601-1-3:2008/AMD 1:2013, EN 60601-1-3: 2008/AMD 11:2016, IEC 60601-1 3.0 Ed. :2005, IEC 60601-1 3.1 Ed.:2012, IEC 60601-1, 3.2Ed:2020 IEC 60601-1-6:2010 + Amd. 1:2013 + Amd. 2:2020, IEC 60601-1-8 IEC 60601-2-22:2012, EN 60601-2-22:2013, IEC 60601-2-37:2007+A1:2015, IEC 60601-2-2:2017, IEC 60601-2-18:2009 IEC 60601-2-10:2012/AMD1:2016 EN 60601-2-37:2007+A1:2015, IEC 60601-2-10:2016, IEC 60601-2-57:2011 IEC 60601-2-47, IEC 60204-1:2016, EN 60204-1:2006+A1:2009, IEC 60529:2013, BS EN 60529:1992+A2:2013, IEC 60825-	Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, AC Source, Safety Analyzer, AC Source, Safety Analyzer, AC Source Safety Analyzer, AC Source, Safety Analyzer, AC Source, Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, Usability Engineering, Sound Meter, Spectrum Analyzer, Spectrum Analyzer, Safety Analyzer, Nerve and Muscle Simul., Ultrasonic Med. Equipment, Nerve and Muscle Simul., Light Source Measurement, ECG Simulator Safety Analyzer, Water Ingress Unit, Laser Meter Environmental Chamber Safety Analyzer, Safety Analyzer, Explosion Chamber Explosion Chamber, Safety Analyzer, Safety Analyzer Software Development Laser meter, Light source M. Safety Analyzer, Sound Meter Safety Analyzer, Safety Analyzer, Spectrum Analyzer, Safety Analyzer, Safety Analyzer Insulation tester	F1	F



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Electrical	Electrical Equipment	Resistance, Leakage Current, Temperature, Humidity, Impact, Acoustic, Abnormal, Tilt, Construction Review, Force Gauge, Articulate Finger, Hot Wire Ignition Dielectric Withstand Test (Hipot) and Testing of Automatic Gas Burner Control Systems Intrinsic Safety Test, Acoustic Test	1:2014, EN 60825-1:2014, MIL-STD-202G, Method 301, EN 298:2012, EN 230:2005, EN 60730-1:2016 EN 62061:2015, IEC 60079-0:2017 IEC 60079-15:2017, IEC 62133-2:2017, IEC 62368-1:2018, IEC 62366-1:2015 + Amd. 1:2020, IEC 62304:2015, IEC 60068-2-38:2009, IEC 60601-1-12:2014 ISO 62471:2006/EN 62471:2008, ISO 80601-2-56:2017, ECMA 74:2008, IEC 62133-2:2017, IEC 61326-2012 IEC 62109:2010, IEC 60086-1:2015 IEC 60664-1:2007	Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, AC Source, Safety Analyzer, AC Source, Safety Analyzer, AC Source Safety Analyzer, AC Source, Safety Analyzer, AC Source, Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, Safety Analyzer, Usability Engineering, Sound Meter, Spectrum Analyzer, Spectrum Analyzer, Safety Analyzer, Nerve and Muscle Simul., Ultrasonic Med. Equipment, Nerve and Muscle Simul., Light Source Measurement, ECG Simulator Safety Analyzer, Water Ingress Unit, Laser Meter Environmental Chamber Safety Analyzer, Safety Analyzer, Explosion Chamber Explosion Chamber, Safety Analyzer, Safety Analyzer Software Development Laser meter, Light source M. Safety Analyzer, Sound Meter Safety Analyzer, Safety Analyzer, Spectrum Analyzer, Safety Analyzer, Safety Analyzer Insulation tester		



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Electrical	Electrical Equipment	Environmental Simulation	MIL-STD-810F, MIL-STD-810G, IEC 60529:2015 IEC 60601-1-11 2015, ISO 15004:2009, ISO 9022-2:2015, ISO 9022-3:2015, IEC 60068-2-380:2009, IEC 62052-31:2015, IEC 61760-2:2007, ISO 5439-1:2001 IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-6:2007, IEC 60068-2-30:2007 IEC 60068-2-78:2012 IEC 60092-504:2016	Explosion Chamber Environmental Chamber Vibration System Environmental Chamber Environmental Chamber Vibration System Environmental Chamber Data Acquisition unit Environmental Chamber Vibration and shock system Environmental Chamber Environmental Chamber Environmental Chamber Environmental Chamber Temp./Humidity/ Vibration Temp./Humidity/ Vibration	F1	F
Electrical	Electrical Equipment	Republic of Korea Regulations Technical Requirements for Electromagnetic Compatibility Test Methods for Electromagnetic Compatibility Conformity Assessment Procedure of Radio Equipment Regulations on Radio Equipment	RRA Public Notification 2016-26, December 19, 2016, RRA Announce 2016-79, December 19, 2016 (Annexes 2, 5, 8-3, 8-1, 9) (Annexes 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7) MSIP Public Notification 2017-21, Mar 31, 2017 Enforcement Decree MSIP No. 1, July 26, 2017	Spectrum Analyzer	F1	F



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Electrical	Electrical Equipment	Radio / RED / SAR	EN 300 220-1 V3.1.1 (2017-02), EN 300 220-2 V3.1.1 (2017-02), EN 300 328 V2.1.1 (2016-12), EN 300 440-1 V1.4.1 (2008-03), EN 300 440-2 V1.4.1 (2010-08), EN 300 386 V2.1.1 (2016-07), EN 301 893 V2.1.1 (2017-06) (Including DFS), EN 301 511 V12.5.1 (2017-03), EN 301 489-1 V2.1.1 (2017-02), RSS 135 Issue 2, June 2009, RSS 210 Issue 9, August 2016, RSS 247 (with DFS) Issue Date: 2 FEB 2017, RSS 132 Issue 3 January 2013, RSS 133 Issue 6 January 2018, RSS 215 Issue 2, June 2009, RSS 310 Issue 4 July 2015, RSS-Gen Issue 5 April 2018, KN 301 489-1:Dec 2017, KN 301 489-17: June 2013 (Annex 8-13) AS/NZS 4268: 2017, IEC 62209-1:2016, IEC 62209-2:2019, IEC/TR 62630:2010, IEEE 1528:2013, NIJ-1004.00	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	UWB Intentional Radiators (FCC Part 15, Subpart F) Ultra-wideband Operation	ANSI C63.10-2013	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Unintentional Radiators (FCC Part 15, Subpart B)	ANSI C63.4-2014	Spectrum Analyzer	F1	F



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Electrical	Electrical Equipment	Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment	FCC MP-5, (February 1986)	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Intentional Radiators (FCC Part 15, Subpart C)	ANSI C63.10-2013	cordless telephones, medical unlicensed wireless devices	F1	F
Electrical	Electrical Equipment	U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure Devices (U-NII without DFS)	ANSI C63.10-2013	cordless telephones, medical unlicensed wireless devices	F1	F
Electrical	Electrical Equipment	BPL Intentional Radiators (FCC Part 15, Subpart G) Access Broadband Over Power Line (Access BPL)	ANSI C63.10-2013	cordless telephones, medical unlicensed wireless devices	F1	F
Electrical	Electrical Equipment	U-NII with DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure U-NII) Devices with Dynamic Frequency Selection (DFS)	FCC KDB Publication 905462 D02 UNII DFS Compliance Procedures New Rules v02 (April 8, 2016)	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Radiated and Conducted Emissions	CISPR 25:2016, ISO 13766:2006, EN 13309:2010, ISO 11452-1:2015, ISO 11452-2:2004, ICES-001 Issue 4: June 2006, ICES-003 Issue 6: June 2016, CISPR 11: 2015, EN 55011:2016, KN 11, AS/NZS, CISPR 11:2011, KN 301 489-1 V1.5.1:2004, KN 301 489-17:2015 (Annex 8-13), CNS 13803:2003, CISPR 15: 2015, EN 55015: 2015, MIL-STD-461F, MIL-STD-462D, MIL-STD-461G	to measure the Radiation of components requirements for impartiality of bodies.	F1	F



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Electrical	Electrical Equipment	Radiated and Conducted	CISPR 22: 2008, EN 55022:2010, CISPR 32:2015, EN 55032:2015, KN 32 AS/NZS CISPR 22:2010, VCCI V-3 (up to 6 GHz): 2016-04, VCCI V-5 2016, CNS 13438 (up to 6 GHz):2006	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Harmonics Voltage Fluctuations/Flicker	IEC 61000-3-2: 2014, EN 61000-3-2: 2014 (Annex 1-2), KN 61000-3-3:2015, AS/NZS 61000-3-2: 2013, AS/NZ 61000-3-3:2012, EN 61000-3-3:2013, IEC 61000-3-11:2000, EN 61000-3-11:2001	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Electrostatic Discharge (ESD) Radiated Immunity Electrical Fast Transients/Burst (EFT) Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips	CSPR 24:2010, EN55024:2010 AS/NZ CISPR 24:2013, IEC 61000-6-1:2016, IEC61000-6-2:2016, IEC 61326-1:2012 IEC 61000-4-2: 2008, EN 61000-4-2:2009, KN 61000-4-2:2015, ISO 10605:2008, IEC 61000-4-3:2010, EN 61000-4-3:2010, KN 61000-4-3:2015, IEC 61000-4-6:2013-10, EN 61000-4-6:2014, KN 61000-4-6:2015, IEC 61000-4-39:2017, MIL-STD-461F, MIL-STD-462D, MIL-STD-	Spectrum Analyzer	F1	F



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Electrical	Electrical Equipment	Electrostatic Discharge (ESD) Radiated Immunity Electrical Fast Transients/Burst (EFT) Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips	461G, MIL-STD 1275D, MILSTD.1275E, IEC 61000-4-4:2012, EN 61000-4-4:2012, KN 61000-4-4:2015, IEC 61000-4-5:2014, EN 61000-4-5:2014, KN 61000-4-5:2015, IEC 61000-4-8: 2009, EN 61000-4-8:2010, KN 61000-4-8:2015, IEC 61000-4-11:2004, EN 61000-4-11:2004, KN 61000-4-11:2015, BS EN 50498:2010	Spectrum Analyzer	F1	F
Electrical	Electrical Equipment	Product Family and Generic Standards	IEC 61000-6-1:2016, EN 61000-6-1:2007, IEC 61000-6-2:2016, EN 61000-6-2:2005, IEC 61000-6-3:2010, EN 61000-6-3:2011, IEC 61000-6-4:2010, EN 61000-6-4:2011, IEC 61326-1:2012, EN 61326-1:2013, IEC 60601-1-2:2014, EN 60601-1-2:2015, IEC 60601-1-2 Ed.4.1:2020, IEC60601-1-2 2.1 Ed.:2004, IEC 60601-1-2:2001/AMD1 Ed.:2004, IEC 60601-1-2 Ed. 2007 CISPR 24:2015, EN 55024:2015, IEC 61326-1:2012, EN 61326-1:2013, EN 60601-1-2:2015	Spectrum Analyzer	F1	F



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Electrical	Electrical Equipment	Automotive	ISO 7637 - 2:2011, ISO 16750- 3:2007, EN 50436-01:2015, EN 50436-02:2015, ISO 11452-1:2015, ISO 13766-1:2018, ISO 13766-2:2018, CISPR 25:2016 [Docket No. NHTSA-2013-0058] Model Specifications for Breath Alcohol Ignition Interlock Devices: Canada CSTT-HVC-TR-150:2008 ISO 15004-1:2020	Spectrum Analyzer Environmental Chamber Spectrum Analyzer Spectrum Analyzer Spectrum Analyzer Breath Alcohol Ignition Interlock Devices Environmental Chamber	F1	F
Electrical	Electrical Equipment	Resistance, Leakage Current, Temperature, Humidity, Impact, Acoustic, Abnormal, Tilt, Construction Review, Force Gauge, Articulate Finger, Hot Wire Ignition Dielectric Withstand Test (Hipot) and Testing of Automatic Gas Burner Control Systems Intrinsic Safety Test, Acoustic Test	UL 60950-1:2007, IEC 60950-1 (excluding clause 4.3.13.2):2013, EN 60950-1:2013, AS/NZS 60950:2015, IEC 61010-1:2010/AMD1:2016 (excluding clauses 12.2.1 and 13.3), EN 61010-1 (excluding clauses 12.2.1 and 13.3:2010, IEC 60601-1:2012 (excluding clauses 9.7.5 and 10.1), IEC 60601-1 Ed. :1988, Amendment 1 Ed. :1991 and Amendment 2 Ed. :1995, IEC 60601-1:2005+AMD1:2012+AMD2: Edition 3.2,2020 IEC 60601-1-3:2008/AMD 1:2013, EN 60601-1-3: 2008/AMD11:2016, IEC 60601-1 3.0 Ed. :2005, IEC 60601-1 3.1 Ed. :2012,	Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Radiation protection in diagnostic X-ray equipment, Radiation protection in diagnostic X-ray equipment Usability Engineering, Sound Measurement, Laser Meter Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Light Measurement, ECG Simulator Safety Analyzer, Water Ingress Laser Measurement Environmental Chamber Vibration and Shock system Safety Analyzer, Explosion Chamber	F1	F



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Electrical	Electrical Equipment	Resistance, Leakage Current, Temperature, Humidity, Impact, Acoustic, Abnormal, Tilt, Construction Review, Force Gauge, Articulate Finger, Hot Wire Ignition Dielectric Withstand Test (Hipot) and Testing of Automatic Gas Burner Control Systems Intrinsic Safety Test, Acoustic Test	IEC 60601-1-6:2010, IEC 60601-1-8 IEC 60601-2-22:2012, EN 60601-2-22:2013, IEC 60601-2-37:2007+A1:2015, IEC 60601-2-2:2017, IEC 60601-2-18:2009 IEC 60601-2-10:2012/AMD1:2016 EN 60601-2-37:2007+A1:2015, IEC 60601-2-10:2016, IEC 60601-2-57:2011, IEC 60601-2-47, IEC 60204- 1:2016, EN 60204-1:2006+A1:2009, IEC 60529:2013, BS EN 0529:1992+A2:2013, IEC 60825-1:2014, EN 60825-1:2014, MIL-STD-202G, Method 301, EN 298:2012, EN. 230:2005, EN 60730-1:2016, EN 62061:2015, IEC 60079-0:2017, IEC 60079-15:2017	Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Radiation protection in diagnostic X-ray equipment, Radiation protection in diagnostic X-ray equipment Usability Engineering, Sound Measurement, Laser Meter Safety Analyzer, Safety Analyzer Safety Analyzer, Safety Analyzer Safety Analyzer, Light Measurement, ECG Simulator Safety Analyzer, Water Ingress Laser Measurement Environmental Chamber Vibration and Shock system Safety Analyzer, Explosion Chamber	F1	F
Electrical	Electrical Equipment	Resistance, Leakage Current, Temperature, Humidity, Impact, Acoustic, Abnormal, Tilt, Construction Review, Force Gauge, Articulate Finger, Hot Wire Ignition Dielectric Withstand Test (Hipot) and Testing of Automatic Gas Burner Control Systems Intrinsic Safety Test, Acoustic Test	IEC 62133-2:2017, IEC 62368-1:2018, IEC 62366-1:2015, IEC 62304:2015, IEC 60068-2-38:2009, IEC 60601-1-12:2014, ISO 62471:2006/EN62471:2008, ISO 80601-2-56:2017, ECMA74:2008, IEC 62133-2:2017, IEC 61326-2012 IEC 62109:2010, IEC 60086-1:2015, IEC 60664-1:2007, AZ/NZS 62368-1:2022, IEC 62368-1:2022	Safety Analyzer Safety Analyzer Usability Engineering Software Engineering Environmental Chamber Safety Analyzer Data Acquisition Unit Laser Meter, Light Environmental Chamber, Spectrum Analyzer Safety Analyzer, Safety Analyzer Insulation Tester, Safety Analyzer	F1	F



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9959 Calaveras Road, Sunol, CA 94586

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Electrical	Electrical Equipment	Microwaves	FCC CFR Title 47 Part 101, KDB Publication 935210	Spectrum Analyzer Safety Analyzer	F1	F
Electrical	Electrical Equipment	Cold Temperature Test	IEC 60068-2-1:2007	Temp./Humidity Chamber	F1	F
Electrical	Electrical Equipment	Dry Heat Test	IEC 60068-2-2:2007	Temp./Humidity Chamber	F1	F
Electrical	Electrical Equipment	Vibration Test	IEC 60068-2-6:2007	Shock/Vibration Table	F1	F
Electrical	Electrical Equipment	Damp Heat Test	IEC 60068-2-30:2007	Temp./Humidity Chamber	F1	F
Electrical	Electrical Equipment	Temp./Humidity/ Vibration	DNVGL-CG- 0339:2015	Temp./Humidity/ Vibration	F1	F
Electrical	Medical Devices	Product Family Generic Standards	IEC 60601-1-2:2014/AMD1:2020 ANSI/AAMI 60601-1-2:2014/A1:2021 ANSI/AAMI 10993-11: 2017	Spectrum Analyzer Spectrum Analyzer Biological evaluation of medical devices	F1	F
Electrical	Medical Equipment	Usability requirements Respiratory gas monitors Body temperature measurement Pulse oximeter device. Ventilator-dependent patients Respiratory humidifying devices Ventilatory impairment Ventilatory insufficiency Emergency medical services High-frequency ventilators Systemic toxicity Medical electrical equipment	IEC 60601-1-6:2010 + A1:2013 +A2:2020; ISO 80601-2-55:2018 ISO 80601-2-56:2017 ISO 80601-2-61:2017 ISO 80601-2-72:2023 ISO 80601-2-74:2017 ISO 80601-2-79:2018 ISO 80601-2-80:2018 ISO 80601-2-84:2020 ISO 80601-2-87:2021 ISO 10993-11-72:2017 ANSI/AAMI ES60601-1:2005/A2:2021	Usability Engineering Safety Analyzer Safety Analyzer ECG, PPG Tester Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Biological evaluation Safety Analyzer	F1	F



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Electrical	Medical Equipment	Electromagnetic compatibility Diagnostic X-ray Equipment Medical electrical systems Medical electrical systems Laser equipment Surgical Equipment Surgical Equipment Endoscopic Equipment Nerve and muscle stimulators Ultrasonic medical device Non-laser light source Electrocardiographic systems Electrocardiographic systems Emergency medical device Emergency medical device Critical care ventilators Electrocardiographs Electrocardiographs Electrocardiographic monitoring Device Blankets, pads, and mattresses Infant incubators Infant transport incubators Infant radiant warmers Ophthalmic surgery Ophthalmic surgery Physiologic closed-loop controllers Medical electrical systems Emergency medical device Emergency medical device Infant phototherapy device Dental equipment Robotically assisted surgical equipment Medical electrical systems Extracorporeally induced lithotripsy. Light ion beam medical device X-ray imaging devices Screening thermographs Magnetic resonance equipment Ventilator-dependent patients Medical beds	IEC 60601-1-11 Edition 2.1 2020-07 CSV IEC 60601-1-12 Edition 1.1 2020-07 CSV ANSI/AAMI/IEC 60601-1-12:2016/A1:2021 IEC 60601-2-50 Edition 3.0 2020-09 IEC 80601-2-60 Edition 2.0 2019-06 IEC 80601-2-77 Edition 1.0 2019-07 ANSI/AAMI/IEC 80601-2-77:2020 IEC TR 60601-4-2 Edition 1.0 2016-05 IEC 60601-2-36 Edition 2.0 2014-04 IEC 60601-2-64 Edition 1.0 2014-09 IEC 60601-2-68 Edition 1.0 2014-09 IEC 80601-2-59 Edition 2.0 2017-09 IEC 60601-2-33 Ed. 3.2 b:2015 IEC 80601-2-72 First edition 2015-04-1159 IEC 60601-2-52 Edition 1.0 2009-12	Environmental Chamber Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Spectrum Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Safety Analyzer Spectrum Analyzer Safety Analyzer Safety Analyzer	F1	F



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Electrical	Electrical Equipment	Environmental Simulation	IEC 60601-1-11:2015+AMD1:2020 ANSI/AAMI HA60601-1-11:2015/A1:2021	IEC 60601-1-11: Environmental Chamber, Vibration System	F1	F

FDA ASCA Scheme Scope of Accreditation

METHOD	FDA NUMBER
IEC 60601-1:2005+AMD1:2012+AMD2: Edition 3.2;2020	19-49
IEC 60601-1-2:2014/AMD1:2020	19-36
IEC 60601-1-11:2015+AMD1:2020	19-47
IEC 60601-2-25 Ed. 2.0 b:2011	3-105
IEC 60601-2-27:2011	3-126
IEC 60601-2-47:2012	3-155

1. Location of activity:

Location

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
- F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope