SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BAY AREA COMPLIANCE LABORATORIES CORP. (CHENGDU)
No. 5040, Huilongwan Plaza
No 1 Shawan Road
Jinniu District Chengdu, Sichuan, People's Republic of China
Mr. John Chan Phone: +86 028 65525123

ELECTRICAL

Valid To: September 30, 2022 Certificate Number: 4324.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's Accreditation Program[1] requirements), accreditation is granted to this laboratory to perform the following EMC and Radio tests:

| **Test Technology:** | **Test Method(s)[2]:** |
|---|---|
| **Emissions** | |
| Radiated and Conducted (*3m semi-anechoic chamber*) | ANSI C63.4:2014;<br>ANSI C63.4a-2017;<br>ANSI C63.10:2013;<br>ANSI C63.26:2015;<br>ANSI C63.17:2013;<br>FCC 47 CFR Part 15B (using ANSI C63.4:2014);<br>FCC 47 CFR Part 18 (using FCC MP-5:1986);<br>ICES-001 Issue 4 (2006-Updated November 2014);<br>ICES-003 Issue 6 (Jan 2016-Updated: April 2019);<br>ICES-005 Issue 5 (Dec 2018);<br>ICES-006 Issue 3 (July 2018);<br>ICES-008 Issue 1 (June 2015);<br><br>EN 55011; IEC/CISPR 11; AS/NZS CISPR 11;<br>EN 55014-1 (*only Conducted and Radiated Emissions*);<br>IEC/CISPR 14-1(*only Conducted and Radiated Emissions*);<br>AS/NZS CISPR 14.1 (*only Conducted and Radiated Emissions*);<br>EN 55015 (*excluding Radiated Emissions 9kHz – 30 MHz*);<br>IEC/CISPR 15 (*excluding Radiated Emissions 9kHz – 30 MHz*);<br>AS/NZS CISPR 15 (*excluding Radiated Emissions 9kHz – 30 MHz*);<br>IEC/CISPR 22;<br>EN 55032; CISPR 32; AS/NZS CISPR 32;<br><br>CNS 13439; CNS 13803; CNS 14115;<br>CNS 13438 (*up to 6GHz*); CNS 13783-1;<br>VCCI V-3; VCCI-CISPR 32:2016;<br>TCVN 7189 (CISPR 22);<br>EN 60601-1-2 |

WITHDRAWN

| Test Technology: | Test Method(s)[2]: |
|---|---|
| **Emissions (cont.)** | |
| Harmonics | EN 61000-3-2; IEC 61000-3-2; AS/NZS 61000.3.2 |
| Flicker | EN 61000-3-3; IEC 61000-3-3; AS/NZS 61000.3.3 |
| **Immunity** | |
| Electrostatic Discharge (ESD) | IEC 61000-4-2; EN 61000-4-2 |
| Radiated Immunity | IEC 61000-4-3; EN 61000-4-3 |
| Electrical Fast Transient (EFT) / Burst | IEC 61000-4-4; EN 61000-4-4 |
| Surge | IEC 61000-4-5; EN 61000-4-5 |
| Conducted Immunity | IEC 61000-4-6; EN 61000-4-6 |
| Magnetic Field Immunity | IEC 61000-4-8; EN 61000-4-8 |
| Voltage Dips, Short Interrupts, and Variations | IEC 61000-4-11; EN 61000-4-11 |
| **Generic and Product Family Standards** | EN 61000-6-1; IEC 61000-6-1;<br>EN 61000-6-2; IEC 61000-6-2;<br>EN 61000-6-3; IEC 61000-6-3; AS/NZS 61000-6-3;<br>EN 61000-6-4; IEC 61000-6-4;<br>EN 61326-1; IEC 61326-1;<br>EN 61326-2-1; IEC 61326-2-1;<br>EN 61326-2-2; IEC 61326-2-2;<br>EN 61326-2-3; IEC 61326-2-3;<br>EN 61326-2-4; IEC 61326-2-4;<br>EN 61326-2-5; IEC 61326-2-5;<br>EN 61326-2-6; IEC 61326-2-6;<br>IEC 60601-1-2-2007; IEC 60601-1-2-2014;<br>EN 60601-1-2:2007+AC:2010; BS EN 60601-1-2:2007+AC:2010;<br>EN 60601-1-2:2015; BS EN 60601-1-2:2015;<br>EN 55014-2; IEC/CISPR 14-2; AS/NZS CISPR 14.2;<br>EN 55035; CISPR 35;<br>IEC 60601-1-2; EN 60601-1-2;<br>ETSI EN 300 386;<br>EN 61547; IEC 61547; EN 50083-2 |
| RF Exposure | EN 62479;<br>EN 62311;<br>EN 50663;<br>EN 50364;<br>EN 50385;<br>RSS-102 Issue 5 March 2015 (*RF Exposure only*) |

WITHDRAWN

| **Test Technology:** | **Test Method(s)[2]:** |
|---|---|
| **Radio** | |
| AS/NZS | ASN/ZS 4268 (*without DFS*);<br>AS/CA S042.1;<br>AS/ACIF S042.3;<br>AS/CA S042.4;<br>AS/NZS 4771 |
| Europe<br>(*excluding DFS and protocol testing*) | ETSI EN 300 086;<br>ETSI EN 300 113;<br>ETSI EN 300 219;<br>ETSI EN 300 220-1, -2, -3-1, -3-2, -4;<br>ETSI EN 300 296;<br>ETSI EN 300 328;<br>ETSI EN 300 330;<br>ETSI EN 300 422-1, -2, -3, -4;<br>ETSI EN 300 440;<br>ETSI EN 301 357;<br>ETSI EN 301 406;<br>ETSI EN 301 489-1, -3, -5-6, -17, -19, -23, -34, -50;<br>ETSI EN 301 511;<br>ETSI EN 301 893;<br>ETSI EN 301 908-1, -2, -11, -13, -14, -15;<br>ETSI EN 303 413;<br>ETSI EN 303 417;<br>ETSI EN 303 609;<br>ETSI EN 303 345-1 V1.1.1 (2019-06);<br>ETSI EN 303 345-2 V1.1.0 (2019-11);<br>ETSI EN 303 345-3 V1.1.0 (2019-11);<br>ETSI EN 303 345-4 V1.1.0 (2019-11);<br>ETSI EN 303 345-5 V1.1.0 (2019-11);<br>ETSI EN 303 354 V1.1.1 (2017-03) (*without active antennas*);<br>ETSI TS 136 113 V15.4.0 (2019-10)<br>(3GPP TS 36.113 version 15.4.0 Release 15);<br>ETSI TS 137 113 V15.8.0 (2020-01)<br>(3GPP TS 37.113 version 15.8.0 Release 15);<br>ETSI TS 137 114 V15.7.0 (2020-01)<br>(3GPP TS 37.114 version 15.7.0 Release 15);<br>ETSI TS 138 113 V15.8.0 (2020-01)<br>(3GPP TS 37.113 version 15.8.0 Release 15);<br>ETSI EN 301 502 |
| HKCA | HKTA 1033 ISSUE 7 MARCH 2012;<br>HKTA 1034 ISSUE 3;<br>HKCA 1035 ISSUE 7 MAY 2016;<br>HKCA 1039 ISSUE 6 JUNE 2015 (*without DFS*);<br>HKTA 1048 ISSUE 2;<br>HKTA 1061 ISSUE 1 |

WITHDRAWN

| **Test Technology:** | **Test Method(s)[2]:** |
|---|---|
| **Radio (cont.)** | |
| Japan | MIC Article 2-1 Item (8);<br>MIC Article 2-1 Item (13);<br>MIC Article 2-1 Item (19);<br>MIC Article 2-1 Item (19)-2;<br>MIC Article 2-1 Item (19)-3;<br>MIC Article 2-1 Item (19)-3-2 (*without DFS*);<br>MIC Article 2-1 Item (19)-11 |
| Canada<br>*(excluding DFS and NS testing*) | RSS-112 Issue 1 (February 2008);<br>RSS-119 Issue 12 (May 2015);<br>RSS-123 Issue 4 (August 2019);<br>RSS-130 Issue 2 (February 2019);<br>RSS-131 Issue 3 (May 2017);<br>RSS-132 Issue 3 (January 2013);<br>RSS-133 Issue 6 (January 2013, Amendment January 2018);<br>RSS-134 Issue 2 (February 5, 2016);<br>RSS-139 Issue 3 (July 2015);<br>RSS-182 Issue 5 (January 2012);<br>RSS-192 Issue 4 (May 2020);<br>RSS-194 Issue 1 (October 2007);<br>RSS-195 Issue 2 (April 2014);<br>RSS-197 Issue 1 (February 2010);<br>RSS-199 Issue 3 (December 2016);<br>RSS-210 Issue 10 (December 2019);<br>RSS-213 Issue 3 (March 2015);<br>RSS-215 Issue 2 (June 2009);<br>RSS-216 Issue 2 (January 2016);<br>RSS-247 Issue 2 (February 2017) (LE-LAN *without DFS*);<br>RSS-310 Issue 5 (January 2020);<br>RSS-Gen Issue 5 (March 2019 Amendment 1) |
| Singapore (IMDA) | IDA TS CMT Issue 1;<br>IMDA TS SRD Issue 1 Revision 1, April 2018 (*without DFS*);<br>IMDA TS CBS Issue 1;<br>IMDA TS CMT Issue 1 |
| Taiwan | LP0002;<br>PLMN01; PLMN08; PLMN10 |
| FCC/US | TIA/EIA 603-D (2010);<br>ANSI/TIA 603-D (2010);<br>TIA/EIA 603-E (2016);<br>ANSI/TIA 603-E (2016);<br>TIA-102.CAAA-E;<br>TIA-102.CAAA-D;<br>TIA-470.210:2010;<br>ANSI C63.26:2015;<br>47 CFR FCC Parts 15B/C/D/E (*without DFS*), 18, 20, 22, 24, 25, 27, 90, 95, 96, 97, 101 |

WITHDRAWN

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 [1]:

| Rule Subpart/Technology | Test Method | Maximum Frequency (MHz) |
|---|---|---|
| Unintentional Radiators<br>Part 15B | ANSI C63.4:2014 | 40000 |
| Industrial, Scientific, and Medical Equipment<br>Part 18 | FCC MP-5:1986 | 25000 |
| Intentional Radiators<br>Part 15C | ANSI C63.10:2013 | 40000 |
| Unlicensed Personal Communication Systems Devices<br>Part 15D | ANSI C63.17:2013 | 20000 |
| U-NII without DFS Intentional Radiators<br>Part 15E | ANSI C63.10:2013 | 40000 |
| Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)<br>Part 96 | ANSI/TIA-603-E;<br>TIA-102.CAAA-E;<br>ANSI C63.26:2015 | 40000 |
| Commercial Mobile Services (FCC Licensed Radio Service Equipment)<br>Parts 22 (cellular), 24, 25 (below 3 GHz), and 27 | ANSI/TIA-603-E;<br>ANSI C63.26:2015;<br>TIA-102.CAAA-E | 40000 |
| General Mobile Radio Services (FCC Licensed Radio Service Equipment)<br>Parts 22 (non-cellular), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), and 101 (below 3 GHz) | ANSI/TIA-603-E;<br>ANSI C63.26:2015;<br>TIA-102.CAAA-E | 40000 |
| Signal Boosters<br>Part 20 (Wideband Consumer Signal Boosters, Provider-specific Signal Boosters, and Industrial Signal Boosters), Section 90.219 | ANSI C63.26:2015 | 40000 |

WITHDRAWN

[1] 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.

[2] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

# Accredited Laboratory

A2LA has accredited

## BAY AREA COMPLIANCE LABORATORIES CORP. (CHENGDU)

*Jinniu District, Chengdu, People's Republic of China*

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*).

WITHDRAWN

Presented this 12th day of November 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4324.01
Valid to September 30, 2022

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