



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DEKRA TESTING SERVICES (ANHUI) CO., LTD
Room 101, 1st floor, No.7 building, Smart Science Park Phase 5, No. 8213, Fanhua Avenue,
Economic and Technological Development District, Hefei, Anhui Province, 230091,
People's Republic of China

Derek Feng Phone: +86 512 6251 5088 5105
Email: derek.feng@dekra.com

ELECTRICAL

Valid To: January 31, 2026

Certificate Number: 6579.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the one satellite location listed below*, to perform the following EMC tests:

Test Technology:

Radiated and Conducted
Emissions

Click

Disturbance Power

Test Method(s):

CFR 47, FCC Part 15 Subpart B
(using ANSI C63.4:2014¹);

CFR 47, FCC Part 18 (using MP-5:1986);

CISPR 16-2-1; EN 55016-2-1; GB/T 6113.201;

CISPR 16-2-3; EN 55016-2-3; GB/T 6113.203;

ICES-001; ICES-003; ICES-005;

GB/T 9254; CNS 13438

CISPR 14-1; EN 55014-1; EN IEC 55014-1; BS EN 55014-1;
GB 4343.1; SASO CISPR 14-1;

IEC 61000-6-3; EN 61000-6-3; EN IEC 61000-6-3;
BS EN 61000-6-3; GB 17799.3; SASO IEC 61000-6-3;

IEC 61000-6-4; EN IEC 61000-6-4; EN 61000-6-4;
BS EN 61000-6-4; GB 17799.4; SASO IEC 61000-6-4

CISPR 16-2-2; EN 55016-2-2; GB/T 6113.202;

CISPR 14-1; EN 55014-1; EN IEC 55014-1; BS EN 55014-1;
GB 4343.1; SASO CISPR 14-1;

GB/T13837; CNS 13439

Test Technology:**Test Method(s):**

Harmonic Current Emissions	IEC 61000-3-2; EN 61000-3-2; EN IEC 61000-3-2; BS EN 61000-3-2; GB 17625.1; SASO GSO IEC 61000-3-2; JIS C 61000-3-2:2019
Voltage Fluctuations and Flicker	GB/T 17625.2; IEC 61000-3-3; EN 61000-3-3; BS EN 61000-3-3; SASO IEC 61000-3-3
Electrostatic Discharge (ESD)	IEC 61000-4-2; EN 61000-4-2; BS EN 61000-4-2; GB/T 17626.2; SANS 61000-4-2
Radiated, Radio-frequency Electromagnetic Field Immunity	GB/T 17626.3; IEC 61000-4-3; EN 61000-4-3; EN IEC 61000-4-3; SANS 61000-4-3; BS EN 61000-4-3
Electrical Fast Transient/Burst	IEC 61000-4-4; EN 61000-4-4; BS EN 61000-4-4; GB/T 17626.4; SANS 61000-4-4
Surge	IEC 61000-4-5; EN 61000-4-5; BS EN 61000-4-5; GB/T 17626.5; SANS 61000-4-5
Conducted Immunity	IEC 61000-4-6; EN 61000-4-6; BS EN 61000-4-6; GB/T 17626.6; SANS 61000-4-6
Power Magnetic Fields	IEC 61000-4-8; EN 61000-4-8; BS EN 61000-4-8; GB/T 17626.8; SANS 61000-4-8
Voltage Dips, Interrupts	IEC 61000-4-11; EN 61000-4-11; EN IEC 61000-4-11; BS EN IEC 61000-4-11; GB/T 17626.11; SANS 61000-4-11
Ring Wave Immunity	IEC 61000-4-12; EN 61000-4-12; GB/T 17626.12
Product Specific EMC Standards (excluding 9 kHz-30 kHz LLAS emissions, Close proximity Radiated fields immunity)	IEC 61000-6-1; EN 61000-6-1; EN IEC 61000-6-1; BS EN IEC 61000-6-1; GB/T 17799.1; SASO IEC 61000-6-1; IEC 61000-6-2; EN 61000-6-2; EN IEC 61000-6-2; BS EN IEC 61000-6-2; GB/T 17799.2; SASO IEC 61000-6-2; IEC 61000-6-3; EN 61000-6-3; EN IEC 61000-6-3; BS EN 61000-6-3; GB 17799.3; SASO IEC 61000-6-3; IEC 61000-6-4; EN 61000-6-4; EN IEC 61000-6-4; BS EN IEC 61000-6-4; GB 17799.4; SASO IEC 61000-6-4; CISPR 11; EN 55011; BS EN 55011; GB 4824; SASO CISPR 11; IEC 60601-1-2; EN 60601-1-2; BS EN 60601-1-2; YY 0505; CISPR 14-1; EN 55014-1; EN IEC 55014-1; BS EN 55014-1; GB 4343.1; SASO CISPR 14-1; CISPR 14-2; EN 55014-2; EN IEC 55014-2; BS EN 55014-2; GB/T 4343.2; SASO CISPR 14-2; GB/T 9254; CNS 13438; GB/T13837; CNS 13439;

Test Technology:

Product Specific EMC Standards
(excluding 9 kHz-30 kHz LLAS
emissions, Close proximity
Radiated fields immunity)
(continued)

Test Method(s):

CISPR 24; EN 55024; GB/T 17618;
IEC 61326-1; EN 61326-1; BS EN 61326-1; GB/T 18268.1;
SASO IEC 61326-1;
IEC 61326-2-1; EN 61326-2-1; BS EN 61326-2-1; GB/T 18268.21;
SASO IEC 61326-2-1;
IEC 61326-2-2; EN 61326-2-2; BS EN 61326-2-2; GB/T 18268.22;
SASO IEC 61326-2-2;
IEC 61326-2-3; EN 61326-2-3; BS EN 61326-2-3; GB/T 18268.23;
SASO IEC 61326-2-3;
IEC 61326-2-4; EN 61326-2-4; BS EN 61326-2-4; GB/T 18268.24;
IEC 61326-2-5; EN 61326-2-5; BS EN 61326-2-5; GB/T 18268.25;
IEC 61326-2-6; EN 61326-2-6; BS EN 61326-2-6; GB/T 18268.26;
ETSI EN 300 386; ETSI EN 301 489-1;
ETSI EN 301 489-3; ETSI EN 301 489-17;
ETSI EN 301 489-19; ETSI EN 301 489-52;
CISPR 15; EN 55015; EN IEC 55015; AS/NZS CISPR 15;
BS EN IEC 55015; GB/T 17743; SASO CISPR 15;
IEC 61547; EN 61547; BS EN 61547; GB/T 18595;
SASO IEC 61547;
CISPR 32; EN 55032; AS/NZS CISPR 32;
VCCI-CISPR 32; BS EN 55032; SASO CISPR 32; CNS 15936;
CISPR 35; EN 55035; BS EN 55035;

Radio Communications

US

CFR 47, FCC Parts 15 C, E, F
(using: ANSI C63.10:2013; ANSI C63.10:2020;
FCC KDB Publication 905462 D02);
ANSI/USEMCSC C63.10-2020/Cor 1-2023

European Union (EU)

ETSI EN 300 328; ETSI EN 301 893; ETSI EN 303 687;
ETSI EN 300 220-1; ETSI EN 300 220-2;
ETSI EN 300 220-3-1; ETSI EN 300 220-3-2;
ETSI EN 300 220-4; ETSI EN 300 330;
ETSI EN 300 440; ETSI EN 302 208;
ETSI EN 302 502;
ETSI EN 302 065-1; ETSI EN 302 065-2;
ETSI EN 302 065-3; ETSI EN 302 065-4;
ETSI EN 302 065-5; ETSI EN 302 065-4-4;
ETSI EN 303 883; ETSI TS 103 361;
ETSI EN 303 413

Test Technology:**Test Method(s):*****Radio Communications (cont.)***

Australia

AS/NZS 4268

Japan

ARIB STD-T66;
Article 2 Paragraph 1 item 19;
Article 2 Paragraph 1 item 19-2-2;
ARIB STD-33;
Article 2 Paragraph 1 item 19-2;
Article 2 Paragraph 1 item 19-2-3;
ARIB STD-T71;
Article 2 Paragraph 1 item 19-3;
Article 2 Paragraph 1 item 73;
Article 2 Paragraph 1 item 78

Canada

RSS-Gen; RSS-210; RSS-220; RSS-247;
RSS-248; RSS-310

RF Exposure

(SAR up to 7.125 GHz)

ANSI C95.1, ANSI C95.3;
IEEE Std 1528-2013;

RSS-102;
RSS-102.SAR.MEAS;
SPR-APD;

EN 50383; BS EN 50383;
EN 50385; BS EN 50385;
IEEE 62209-1528; BS IEC/IEEE 62209-1528;
IEC/IEEE 62209-1528; EN IEC/IEEE 62209-1528;
BS EN IEC/IEEE 62209-1528;

EN 62311; EN IEC 62311; BS EN IEC 62311;
EN 62479; BS EN 62479;
EN 62493 (*excluding clause 5*);
BS EN 62493 (*excluding clause 5*);
EN 50663; BS EN 50663;
EN 50665; BS EN 50665;
EN 50566; BS EN 50566;

ACMA Radiocommunications (Electromagnetic Radiation-Human Exposure) Standard 2014;
AS/NZS 2772.1;
AS/NZS 2772.2;
ARPANSA Radiation Protection Series No.3;
Standard for Limiting Exposure to Radiofrequency Fields –
100 kHz to 300 GHz Radiation Protection Series S-1
ARIB STD-T56;
MIC Notice No.88

RF Exposure, PD

IEC TR 63170;
IEC/IEEE 63195-1; IEC/IEEE 63195-2;
RSS-102

Test Technology:

Test Method(s):

Radiated and Conducted
Emissions

(Radiated Emission up to 1 GHz)

CFR 47, FCC Part 15 Subpart B (using ANSI C63.4:2014¹);

CFR 47, FCC Part 18 (using MP-5:1986);

CISPR 16-2-1; EN 55016-2-1; GB/T 6113.201;

CISPR 16-2-3; EN 55016-2-3; GB/T 6113.203;

ICES-001; ICES-003; ICES-005;
GB/T 9254; CNS 13438

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CISPR 14-1; EN 55014-1; EN IEC 55014-1; BS EN 55014-1;
GB 4343.1; SASO CISPR 14-1;

IEC 61000-6-3; EN 61000-6-3; EN IEC 61000-6-3;
BS EN 61000-6-3; GB 17799.3; SASO IEC 61000-6-3;

IEC 61000-6-4; EN IEC 61000-6-4; EN 61000-6-4;
BS EN 61000-6-4; GB 17799.4; SASO IEC 61000-6-4

Electrostatic Discharge (ESD)

IEC 61000-4-2; EN 61000-4-2; BS EN 61000-4-2; GB/T 17626.2;
SANS 61000-4-2

Electrical Fast Transient/Burst

IEC 61000-4-4; EN 61000-4-4; BS EN 61000-4-4; GB/T 17626.4;
SANS 61000-4-4

Surge

IEC 61000-4-5; EN 61000-4-5; BS EN 61000-4-5; GB/T 17626.5;
SANS 61000-4-5

Voltage Dips, Interrupts

IEC 61000-4-11; EN 61000-4-11 EN IEC 61000-4-11;
BS EN IEC 61000-4-11; GB/T 17626.11; SANS 61000-4-11

Product Specific EMC Standards
*(excluding 9 kHz-30 kHz LLAS
emissions, Conducted Immunity,
Power Magnetic Fields, Ring
Wave Immunity and Close
proximity Radiated fields
immunity)*

IEC 61000-6-1; EN 61000-6-1; EN IEC 61000-6-1;
BS EN IEC 61000-6-1; GB/T 17799.1; SASO IEC 61000-6-1;

IEC 61000-6-2; EN 61000-6-2; EN IEC 61000-6-2;
BS EN IEC 61000-6-2; GB/T 17799.2; SASO IEC 61000-6-2;
IEC 61000-6-3; EN 61000-6-3; EN IEC 61000-6-3;
BS EN 61000-6-3; GB 17799.3; SASO IEC 61000-6-3;

IEC 61000-6-4; EN 61000-6-4; EN IEC 61000-6-4;
BS EN IEC 61000-6-4; GB 17799.4; SASO IEC 61000-6-4;

CISPR 11; EN 55011; BS EN 55011; GB 4824; SASO CISPR 11;

IEC 60601-1-2; EN 60601-1-2; BS EN 60601-1-2; YY 9706;

CISPR 14-1; EN 55014-1; EN IEC 55014-1; BS EN 55014-1;
GB 4343.1; SASO CISPR 14-1;

Test Technology:

Product Specific EMC Standards
(excluding 9 kHz-30 kHz LLAS
emissions, Conducted Immunity,
Power Magnetic Fields, Ring
Wave Immunity and Close
proximity Radiated fields
immunity)(cont.)

Test Method(s):

CISPR 14-2; EN 55014-2; EN IEC 55014-2;
BS EN 55014-2; GB/T 4343.2; SASO CISPR 14-2;

GB/T 9254; CNS 13438;

GB/T 13837; CNS 13439;

CISPR 24; EN 55024; GB/T 17618;

IEC 61326-1; EN 61326-1; BS EN 61326-1; GB/T 18268.1;
SASO IEC 61326-1;

IEC 61326-2-1; EN 61326-2-1; BS EN 61326-2-1; GB/T 18268.21;
SASO IEC 61326-2-1;

IEC 61326-2-2; EN 61326-2-2; BS EN 61326-2-2; GB/T 18268.22;
SASO IEC 61326-2-2;

IEC 61326-2-3; EN 61326-2-3; BS EN 61326-2-3; GB/T 18268.23;
SASO IEC 61326-2-3;

IEC 61326-2-4; EN 61326-2-4; BS EN 61326-2-4; GB/T 18268.24;

IEC 61326-2-5; EN 61326-2-5; BS EN 61326-2-5; GB/T 18268.25;

IEC 61326-2-6; EN 61326-2-6; BS EN 61326-2-6; GB/T 18268.26;

ETSI EN 300 386; ETSI EN 301 489-1;

ETSI EN 301 489-3; ETSI EN 301 489-17;

ETSI EN 301 489-19; ETSI EN 301 489-52;

CISPR 15; EN 55015; EN IEC 55015; AS/NZS CISPR 15;
BS EN IEC 55015; GB/T 17743; SASO CISPR 15;

IEC 61547; EN 61547; BS EN 61547; GB/T 18595;
SASO IEC 61547;

CISPR 32; EN 55032; AS/NZS CISPR 32;
VCCI-CISPR 32; BS EN 55032; SASO CISPR 32; CNS 15936;

CISPR 35; EN 55035; BS EN 55035

On the following types of products:

Lighting and Lighting equipment, Household Product& Portable Tool Product, ISM, Information Technology and Communication, multimedia equipment, Generic standards for residential, commercial and light-industrial and Industrial environments.

¹ANSI C63.4a:2017 is used to perform NSA in support of ANSI C63.4:2014 and should not be considered its own test method.

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 ²:

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40000
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5:1986	40000
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	40000
<u>U-NII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013	40000
<u>U-NII with DFS Intentional Radiators</u> Part 15E	FCC KDB 905462 D02 (v02)	40000
<u>UWB Intentional Radiators</u> Part 15F	ANSI C63.10:2013	40000
<u>RF Exposure</u> Devices Subject to SAR Requirements	IEEE Std 1528:2013	7125

² 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.



Accredited Laboratory

A2LA has accredited

DEKRA TESTING SERVICES (ANHUI) CO., LTD

Hefei, 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).



Presented this 20th day of March 2024.

A blue ink signature of Mr. Trace McInturff, Vice President of Accreditation Services.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6579.01
Valid to January 31, 2026

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