

FCC MPE TEST REPORT

FCC ID: 2A323-W103

Sample : TEC 3 in 1 Wireless Charger

Trade Mark : meskey

Main Model : W103

Additional Model : W103 MAX, W98 MAX, W98 MAX PRO,
W103 MAX PRO

Report No. : UNIA25092203ER-62

Prepared for

Shenzhen Meskey Technology Co., Ltd

Room 802, Building 1, West District, Honghu Science and Technology Park,
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Shenzhen, China

Prepared by

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TEST RESULT CERTIFICATION

Applicant : Shenzhen Meskey Technology Co., Ltd
Address : Room 802, Building 1, West District, Honghu Science and Technology Park, No. 22, Ping 'an Road, Zhangxi Community, Guanhu Street, Longhua District, Shenzhen, China
Manufacturer : Shenzhen Meskey Technology Co., Ltd
Address : Room 802, Building 1, West District, Honghu Science and Technology Park, No. 22, Ping 'an Road, Zhangxi Community, Guanhu Street, Longhua District, Shenzhen, China

Product description

Product : TEC 3 in 1 Wireless Charger
Trade Mark : meskey
Model Name : W103, W103 MAX, W98 MAX, W98 MAX PRO, W103 MAX PRO
Standards : FCC KDB680106 D01 Wireless Power Transfer v04

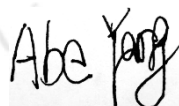
This device described above has been tested by Shenzhen United Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date (s) of performance of tests : Sep. 27, 2025 ~ Oct. 20, 2025
Date of Issue : Oct. 22, 2025
Test Result : Pass

Edited by:



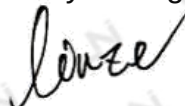
Abe Yang

Reviewed by:



Kelly Cheng

Approved by:



Liuze

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1 TEST SUMMARY

1.1 TEST PROCEDURES AND RESULTS

FCC KDB680106 D01 Wireless Power Transfer v04

FCC CFR 47			
Standard Section	Test Item	Result	Remark
FCC CFR 47 part1, 1.1310 KDB680106 D01 v04	Electric Field Strength (E) (V/m)	N/A	--
	Magnetic Field Strength (H) (A/m)	PASS	--

Note: "N/A" denotes test is not applicable in this Test Report.

Compliant with FCC KDB680106 D01 Wireless Power Transfer v04 section 5.2:

- 1) The power transfer frequency is below 1MHz.
Yes, the working frequency is: 110-205kHz and 326.5kHz.
- 2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.
Yes, the maximum output power is 15 watts.
- 3) A client device providing the maximum permitted load is placed in physical contact with the transmitter(i.e. , the surfaces of the transmitter and client device enclosures need to be in physical contact)
Yes, the maximum permitted load is placed in physical contact with the transmitter.
- 4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).
Yes, this provision does not cover § 2.1093-Portable exposure conditions.
- 5) The H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios(i.e. , the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.
Yes, The H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit ; coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.

Yes, For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time.

1.2 TEST FACILITY

Test Firm : Shenzhen United Testing Technology Co., Ltd.
Address : D101&D401, No. 107, Kaicheng High-Tech Park, Taoyuan Community, Dalang Sub-District, Longhua District, Shenzhen, Guangdong, China

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

A2LA Certificate Number: 4747.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

FCC Registration Number: 674885

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 31584

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

1.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Radiated Measurement (9KHz-30MHz)	$\pm 2.50\text{dB}$
2	Temperature	$\pm 0.5^\circ\text{C}$
3	Humidity	$\pm 2\%$

1.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35 °C
Relative Humidity:	30~60 %
Air Pressure:	950~1050 hPa

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product:	TEC 3 in 1 Wireless Charger
Trade Mark:	meskey
Main Model:	W103
Additional Model:	W103 MAX, W98 MAX, W98 MAX PRO, W103 MAX PRO
Model Difference:	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: W103.
FCC ID:	2A323-W103
Operation Frequency:	Phone: 110-205kHz Earphone: 110-205kHz Watch: 326.5kHz
Modulation Type:	ASK
Wireless Charging Output Power:	Phone: 10W/15W/25W(MAX) Earphone: 5W(MAX) Watch: 2.5W
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
Battery:	N/A
Adapter:	N/A
Power Source:	DC 15V or 20V by adapter

2.2 CARRIER FREQUENCY OF CHANNELS

Test Channel					
ANT	Frequency (kHz)	ANT	Frequency (kHz)	ANT	Frequency (kHz)
01	145.0	02	155.9	03	326.5

2.3 TEST MODE

NO.	TEST MODE DESCRIPTION
1	ANT 1(Phone coil) + Full load (25W Folding mode)
2	ANT 1(Phone coil) + Half load (15W Folding mode)
3	ANT 1(Phone coil) + Null load (0W Folding mode)
4	ANT 1(Phone coil) + Full load (25W Before Folding mode)
5	ANT 1(Phone coil) + Half load (15W Before Folding mode)
6	ANT 1(Phone coil) + Null load (0W Before Folding mode)
7	ANT 2(Earphone coil) + Full load (battery station 99%) (Before Folding mode)
8	ANT 2(Earphone coil) + Half load (battery station 50%) (Before Folding mode)
9	ANT 2(Earphone coil) + Null load (battery station 1%) (Before Folding mode)
10	ANT 3(Watch coil) + Full load (battery station 99%) (Before Folding mode)
11	ANT 3(Watch coil) + Half load (battery station 50%) (Before Folding mode)
12	ANT 3(Watch coil) + Null load (battery station 1%) (Before Folding mode)
13	ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Full load (25W + battery station 99%) (Before Folding mode)
14	ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Half load (15W + battery station 50%) (Before Folding mode)
15	ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Null load (0W + battery station 1%) (Before Folding mode)
Note: The mode 13 was the worst case and only the data of the worst case record in this report.	

2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	wireless charger	N/A	W91	EUT
E-2	Adapter	Xiaomi	MDY-11-EX	AE
E-3	WPT Station (25W(MAX)/15W/10W) (110-205kHz)	N/A	N/A	AE
E-4	Earphone (5W) (110-205kHz)	APPLE	AirPods Pro2	AE
E-5	Watch (2.5W) (326.5kHz)	APPLE	Series 8	AE

Note:

1. The support equipment was authorized by Declaration of Confirmation.
2. All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.

2.5 TEST INSTRUMENTS

Description	Brand	Model No.	Frequency Range	Calibrated Until
Broadband Field Meter	NARDA	NBM-550	—	Jan. 01, 2026
Magnetic Field Meter	NARDA	ELT-400	1–400kHz	Jan. 01, 2026
Magnetic Probe	NARDA	HF-3061	300kHz–30MHz	Jan. 01, 2026
Magnetic Probe	NARDA	HF-0191	27–1000MHz	Jan. 01, 2026
Broadband Field Meter	NARDA	NBM-550	—	Jan. 01, 2026
Electric Field Meter	COMBINOVA	EFM 200	5Hz–400kHz	Jan. 01, 2026
E-Field Probe	NARDA	EF-0391	100kHz–3GHz	Jan. 01, 2026
E-Field Probe	NARDA	EF-6091	100MHz–60GHz	Jan. 01, 2026

NOTE: The calibration interval of the above test instruments is 12 month.

3 MAXIMUM PERMISSIBLE EXPOSURE

3.1 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6
Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density.

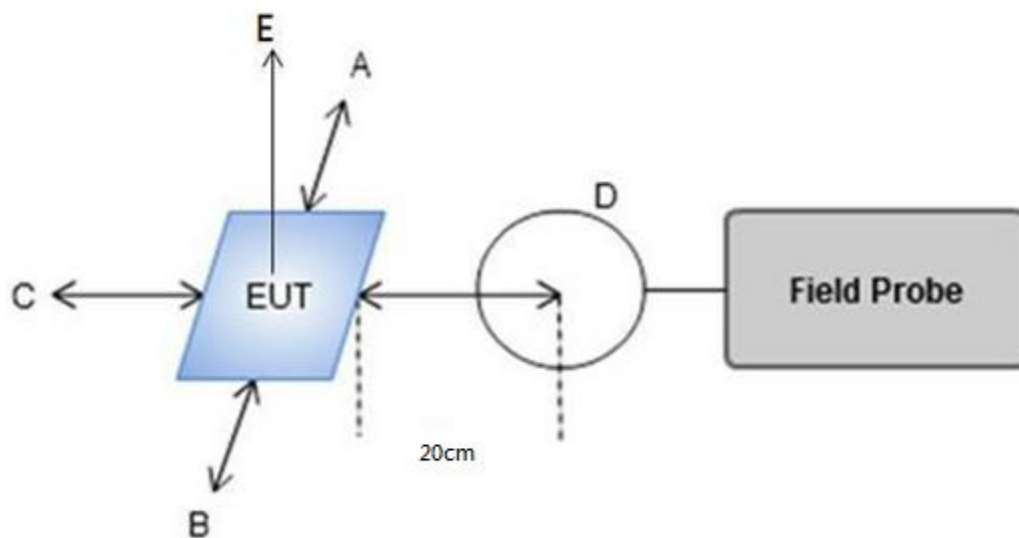
2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v04.

3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

3.2 TEST PROCEDURE

For devices designed for typical desktop applications, such as wireless charging pads, RF exposure evaluation should be at 20 cm surrounding the device and 20 cm above the top surface. H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair at 20 cm surrounding the device and 20 cm above the top surface.

3.3 TEST SETUP



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance)

3.4 RESULT OF MAXIMUM PERMISSIBLE EXPOSURE

For ANT 1(Phone coil) + Full load (25W Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.18	0.19	0.21	0.19	0.18	/	/
A/m	0.14	0.15	0.17	0.15	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 1(Phone coil) + Half load (15W Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.17	0.18	0.17	0.18	0.19	/	/
A/m	0.14	0.14	0.14	0.14	0.15	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 1(Phone coil) + Null load (0W Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.17	0.16	0.18	0.17	0.19	/	/
A/m	0.14	0.13	0.14	0.14	0.15	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 2(Earphone coil) + Full load (battery station 99%) (Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.17	0.20	0.19	0.17	0.18	/	/
A/m	0.14	0.16	0.15	0.14	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 2(Earphone coil) + Half load (battery station 50%) (Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.17	0.18	0.19	0.16	0.17	/	/
A/m	0.14	0.14	0.15	0.13	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 2(Earphone coil) + Null load (battery station 1%) (Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.16	0.17	0.19	0.18	0.18	/	/
A/m	0.13	0.14	0.15	0.14	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 3(Watch coil) + Full load (battery station 99%) (Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.21	0.18	0.19	0.19	0.17	/	/
A/m	0.17	0.14	0.15	0.15	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 3(Watch coil) + Half load (battery station 50%) (Before Folding mode):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.18	0.17	0.18	0.19	0.17	/	/
A/m	0.14	0.14	0.14	0.15	0.14	0.815	1.63

Note: Calculation: $A/m = uT/1.25$

For ANT 3(Watch coil) + Null load (battery station 1%) (Before Folding mode):

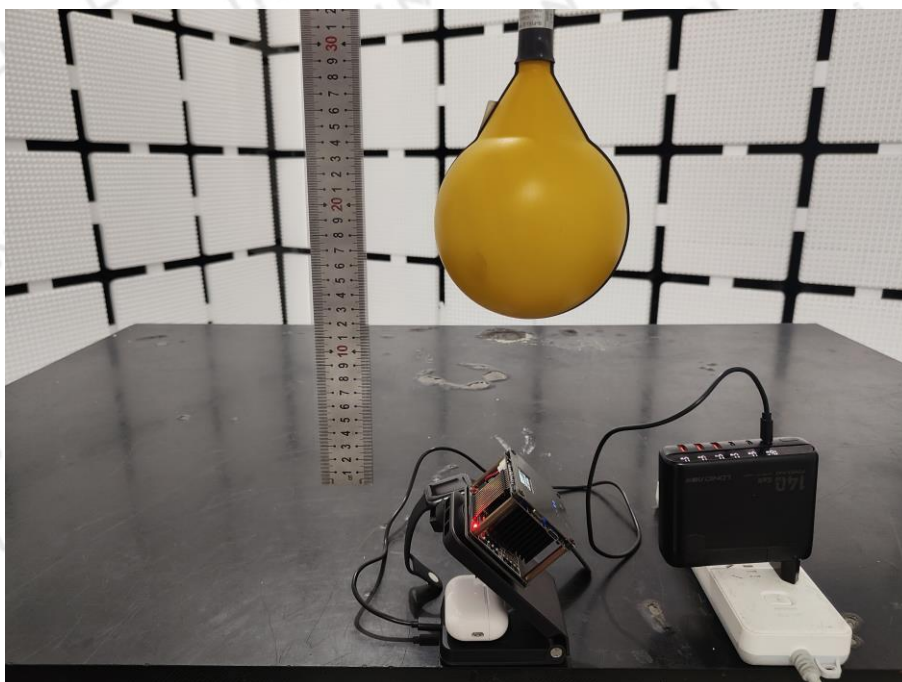
H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

Filed Strength	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
uT	0.18	0.16	0.17	0.18	0.17	/	/
A/m	0.14	0.13	0.14	0.14	0.14	0.815	1.63

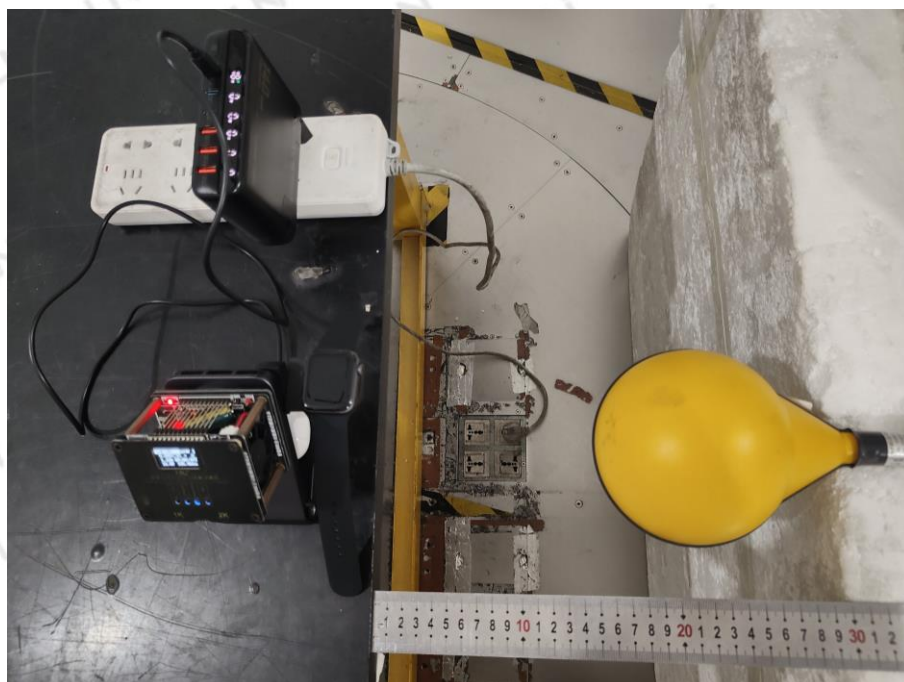
Note: Calculation: $A/m = uT/1.25$

Note: $ANT1/LIMIT + ANT2/LIMIT + ANT3/LIMIT = 0.17/0.815 + 0.16/0.815 + 0.17/0.815 = 0.61 \leq 1$

3.5 TEST PHOTO







Statement

1. This report must have the signature of the authorized signatory and the special seal of the report, otherwise it will be considered invalid. If there is no anti-counterfeiting electronic seal of the laboratory in the report in PDF format or it is displayed as "x", the report is invalid.
2. This report shall not be modified, added or deleted without authorization. The antenna gain in the report is provided by the customer.
3. The results of this report are only valid for the EUT provided by Applicant to our laboratory for inspection (That is, EUT received by our laboratory. Without special explanation, it refers to the samples presented in the report "PHOTO OF EUT").
4. If there is any objection to the test data and conclusions of this report, please submit it in writing within 10 working days after the date of issuance of the report.
5. Without the written consent of the laboratory, this report shall not be copied (except for full copy), nor shall it be used as publicity materials or advertising.
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8. The Chinese and English reports issued by our laboratory have the same effect. In case of any difference in understanding, the Chinese version shall prevail.
9. Please provide the complete report documents issued by our laboratory when inquiring the report.
10. For cases where compliance is determined based on test values, when relevant specifications, standards, documents, and customers have no relevant requirements and no other special instructions, the test report issued by this laboratory is carried out in full value and adopts ILAC-G8:09 /2019 "Simple Acceptance Rule" for judgment.
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End of Report