

TEST REPORT

Report No.: BCTC2607674152-2E

Applicant: Shenzhen LangYi Technology Co.,Ltd

Product Name: Magnetic wireless power bank

Test Model: M5

Tested Date: 2026-07-02 to 2026-07-31

Issued Date: 2026-07-31



Shenzhen BCTC Technology Co., Ltd.



FCC ID: 2A47D-M5

Product Name: Magnetic wireless power bank

Trademark: N/A

Model/Type reference: M5
M5 S

Prepared For: Shenzhen LangYi Technology Co.,Ltd

Address: Floor 2, Building 4, XinJiHui Innovation Industrial Park, ShangXue Village,
BanTian Street, LongGang District,Shenzhen,Guangdong Province, China

Manufacturer: ShenZhen IDMiX Innovative Products Co.,LTD

Address: Room 1401, 3D Building, TianAnYunGu, XueGang Road 2018#, Bantian Street,
Longgang District, Shenzhen, China

Prepared By: Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang,
Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China.

Sample Received Date: 2026-07-02

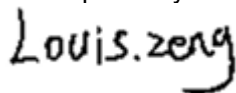
Sample tested Date: 2026-07-02 to 2026-07-31

Report No.: BCTC2607674152-2E

Test Standards: FCC CFR 47 part1, 1.1307(b), 1.1310
KDB 680106 D01 Wireless Power Transfer v04

Test Results: PASS

Prepared by :



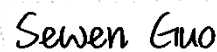
Louis Zeng /Editor

Reviewer by :



Mike Zheng / Supervisor

Approved by:



Sewen Guo/Manager

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2607674152-2E	2026-07-31	Original	Valid

2. Product Information

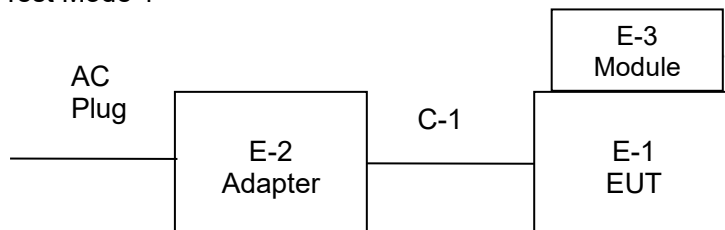
2.1 Product Information

Model/Type reference:	M5 M5 S
Model differences:	All the models are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
Type of Modulation:	ASK
Operation Frequency:	115-205kHz; 360-365kHz
Antenna installation:	Loop coil antenna
Ratings:	Input(USB-C): DC 5V/3A, DC 9V/2A Output(USB-C): DC 5V/3A, DC 9V/2.22A, DC 12V/1.67A Wireless Output: 5W/7.5W/10W/15W Total Output: DC 5V/3A Battery: DC 3.85V

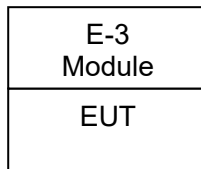
2.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Test Mode 1



Test Mode 2-4



2.3 Support Equipment

No.	Cable Type	Quantity	Provider	Length (m)	Shielded	Note
1	DC Cable	--	---	0.8m	---	C-1
2	--	--	---	---	---	---

No.	Device Type	Brand	Model	Series No.	Note
E-1	Magnetic wireless power bank	N/A	M5	N/A	EUT
E-2	AC Adapter	TEKA-UCA20US	/	TEKA	Auxiliary
E-3	Intelligent wireless charging full function test module	V3.1.1	/	EESON	Auxiliary

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

2.4 Test Mode

Test Mode 1	Charging+10W(115-205kHz)
Test Mode 2	5W(115-205kHz)
Test Mode 3	7.5W(115-205kHz)
Test Mode 4	15W(360-365kHz)

3. Test Facility And Test Instrument Used

3.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China.

The site and apparatus are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-1:2019 other equivalent standards.

FCC Test Firm Registration Number: 754702

ANAB certificate registration number is: CN3479

3.2 Test Instrument Used

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Electro magnetic radiation tester	SMP160	Wavecontrol	May 12, 2026	May 13, 2027

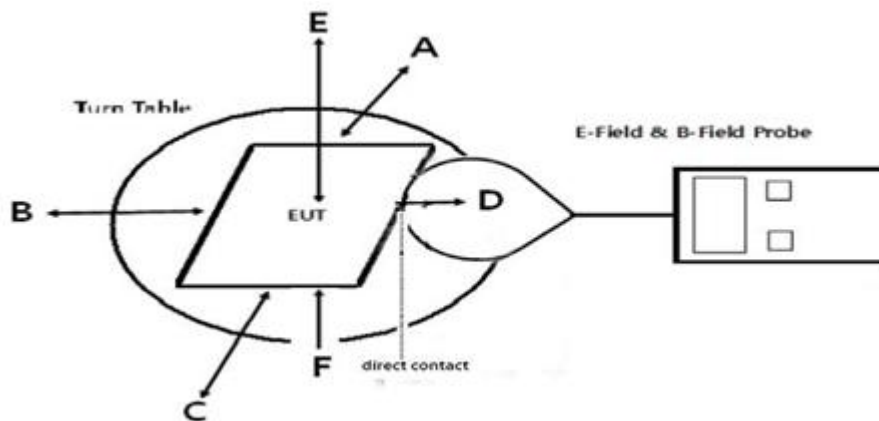
4. Method Of Measurement

4.1 Applicable Standard

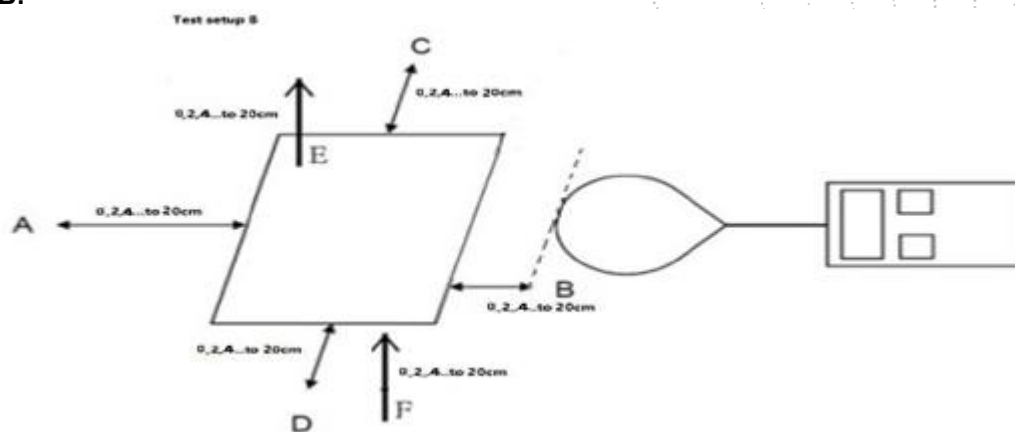
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v04: RF Exposure Wireless Charging Apps v04.

4.2 Block Diagram Of Test Setup

A:



B:



4.3 Limit

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

4.4 Test procedure

- The RF exposure test was performed in anechoic chamber.
- The measurement probe was placed at 0 cm surrounding the device for test setup A; and the measurement Probe was placed from 0 cm to 20 cm, in 2 cm maximum increment measured from the edge of the device For the test setup B.
- The highest emission level was recorded and compared with limit as soon as measurement of each
- The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E , F) were completed.
- The EUT was measured according to the dictates of KDB680106 D01v04.
- Remark: The EUT's test position A, B, C, D , E and F is valid for the E and H field measurements.

4.5 Equipment Approval Considerations

The EUT does comply with item 5.2 of KDB 680106 D01 v04

1) The power transfer frequency is below 1 MHz.

Yes, the device operate in the frequency range 115-205KHz and 360-365kHz

2) The output power from each transmitting element is less than or equal to 15 watts.

Yes, the maximum output power of the primary coil is 15W.

3) A client device providing the maximum permitted load is placed in physical contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

4) Only § 2.1091-Mobile exposure conditions apply

No, EUT is a possible assessment

5) The E-field and 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.

Yes, Conform to

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.

Yes, Conform to

4.6 E and H field Strength

We measured the H-Field Strength of 20cm, 22cm and 24cm, and recorded the test data of the worst 20cm Mobile: Test Mode 1 (Worst mode)

H-Field Strength at 20 cm surrounding the EUT and 20cm above the top surface of the EUT

Frequency Range (MHz)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position Top(uT)
0.115-0.205	0.0154	0.0059	0.0062	0.0098	0.0062	0.0070

Frequency Range (MHz)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position Top(A/m)	50% Limits Test (A/m)	Limits Test (A/m)
0.115-0.205	0.0123	0.0047	0.0049	0.0079	0.0049	0.0056	0.815	1.63

Note: A/m=uT÷1.25

Frequency Range (MHz)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	50% Limits Test (V/m)	Limits (V/m)
0.115-0.205	0.072	0.068	0.068	0.076	0.069	307	614

Portable:
Use Biot-Savart Law:

$$B = \frac{\mu_0 I R^2}{2(R^2 + x^2)^{\frac{3}{2}}}$$

B: Magnetic induction (magnetic field strength), unit: Tesla (T) or Gauss (Gs)
 μ_0 : Vacuum permeability.

I: Current intensity in the coil, unit: Ampere (A).

R: Radius of the circular coil, unit: Meter (m).

x: Vertical distance from the observation point to the center axis of the coil (or distance from the coil plane to the observation point, when the observation point is on the axis), unit: Meter (m).

Test Mode 3 (the worst mode)
Transmitter Battery level: 100% battery

H-Filed Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.1379	0.1048	0.0926	0.1154	0.0568	0.0576
4	0.0525	0.0330	0.0336	0.0361	0.0219	0.0214
6	0.0240	0.0144	0.0155	0.0185	0.0118	0.0111
8	0.0180	0.0091	0.0101	0.0126	0.0083	0.0076
10	0.0181	0.0090	0.0093	0.0116	0.0082	0.0077
12	0.0174	0.0084	0.0097	0.0127	0.0073	0.0068
14	0.0180	0.0086	0.0104	0.0114	0.0081	0.0073
16	0.0176	0.0090	0.0095	0.0114	0.0079	0.0072
18	0.0168	0.0093	0.0090	0.0128	0.0072	0.0077
20	0.0181	0.0087	0.0100	0.0116	0.0073	0.0075

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.1103	0.0838	0.0741	0.0923	0.0454	0.0461	1.63
4	0.0420	0.0264	0.0269	0.0289	0.0175	0.0171	1.63
6	0.0192	0.0115	0.0124	0.0148	0.0094	0.0089	1.63
8	0.0144	0.0073	0.0081	0.0101	0.0066	0.0061	1.63
10	0.0145	0.0072	0.0074	0.0093	0.0066	0.0062	1.63
12	0.0139	0.0067	0.0078	0.0102	0.0058	0.0054	1.63
14	0.0144	0.0069	0.0083	0.0091	0.0065	0.0058	1.63
16	0.0141	0.0072	0.0076	0.0091	0.0063	0.0058	1.63
18	0.0134	0.0074	0.0072	0.0102	0.0058	0.0062	1.63
20	0.0145	0.0070	0.0080	0.0093	0.0058	0.0060	1.63

Note: A/m=uT/1.25

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.1400	0.0880	0.0896	0.0963	0.0531	0.0519	1.63

Agreement Ratio

Distance: 2cm

Transmitter Battery level: 100% battery						
Test Position	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)
Measure Value (A/m)	0.1103	0.0838	0.0741	0.0923	0.0454	0.0461
Valuation (A/m)	0.1400	0.0880	0.0896	0.0963	0.0531	0.0519
Agreement ratio	23.73	4.84	18.96	4.22	15.55	11.88
Limit	30%	30%	30%	30%	30%	30%
Test result	Pass	Pass	Pass	Pass	Pass	Pass

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.0452	0.0271	0.0292	0.0349	0.0219	0.0206	1.63

Agreement Ratio

Distance: 4cm

Transmitter Battery level: 100% battery						
Test Position	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)
Measure Value (A/m)	0.0420	0.0264	0.0269	0.0289	0.0175	0.0171
Valuation(A/m)	0.0452	0.0271	0.0292	0.0349	0.0219	0.0206
Agreement ratio	7.34	2.62	8.27	18.88	22.22	18.45
Limit	30%	30%	30%	30%	30%	30%
Test result	Pass	Pass	Pass	Pass	Pass	Pass

As the model is sufficient, the value of 0cm can be estimated through the results of 2 cm

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.8505	0.6465	0.5712	0.7119	0.1850	0.1876	1.63
Test result: Pass						

Portable: Test Mode 4 (the worst mode)
Transmitter Battery level: 100% battery

H-Filed Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.1388	0.1039	0.0918	0.1155	0.0566	0.0575
4	0.0535	0.0319	0.0329	0.0373	0.0234	0.0219
6	0.0253	0.0135	0.0145	0.0195	0.0131	0.0108
8	0.0199	0.0085	0.0093	0.0145	0.0096	0.0083
10	0.0201	0.0081	0.0084	0.0138	0.0093	0.0083
12	0.0191	0.0082	0.0089	0.0143	0.0099	0.0076
14	0.0188	0.0083	0.0086	0.0142	0.0086	0.0076
16	0.0200	0.0078	0.0082	0.0144	0.0095	0.0072
18	0.0201	0.0082	0.0090	0.0140	0.0088	0.0082
20	0.0191	0.0077	0.0085	0.0136	0.0088	0.0082

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.1110	0.0831	0.0734	0.0924	0.0453	0.0460	1.63
4	0.0428	0.0255	0.0263	0.0298	0.0187	0.0175	1.63
6	0.0202	0.0108	0.0116	0.0156	0.0105	0.0086	1.63
8	0.0159	0.0068	0.0074	0.0116	0.0077	0.0066	1.63
10	0.0161	0.0065	0.0067	0.0110	0.0074	0.0066	1.63
12	0.0153	0.0066	0.0071	0.0114	0.0079	0.0061	1.63
14	0.0150	0.0066	0.0069	0.0114	0.0069	0.0061	1.63
16	0.0160	0.0062	0.0066	0.0115	0.0076	0.0058	1.63
18	0.0161	0.0066	0.0072	0.0112	0.0070	0.0066	1.63
20	0.0153	0.0062	0.0068	0.0109	0.0070	0.0066	1.63

Note: A/m=uT/1.25

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.1427	0.0851	0.0877	0.0995	0.0567	0.0531	1.63

Agreement Ratio

Distance: 2cm

Transmitter Battery level: 100% battery						
Test Position	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)
Measure Value (A/m)	0.1110	0.0831	0.0734	0.0924	0.0453	0.0460
Valuation (A/m)	0.1427	0.0851	0.0877	0.0995	0.0567	0.0531
Agreement ratio	24.99	2.35	17.70	7.40	22.40	14.33
Limit	30%	30%	30%	30%	30%	30%
Test result	Pass	Pass	Pass	Pass	Pass	Pass

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.0476	0.0254	0.0273	0.0367	0.0244	0.0201	1.63

Agreement Ratio

Distance: 4cm

Transmitter Battery level: 100% battery						
Test Position	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)
Measure Value (A/m)	0.0428	0.0255	0.0263	0.0298	0.0187	0.0175
Valuation(A/m)	0.0476	0.0254	0.0273	0.0367	0.0244	0.0201
Agreement ratio	10.62	-0.47	3.66	20.62	26.35	13.72
Limit	30%	30%	30%	30%	30%	30%
Test result	Pass	Pass	Pass	Pass	Pass	Pass

As the model is sufficient, the value of 0cm can be estimated through the results of 2 cm

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

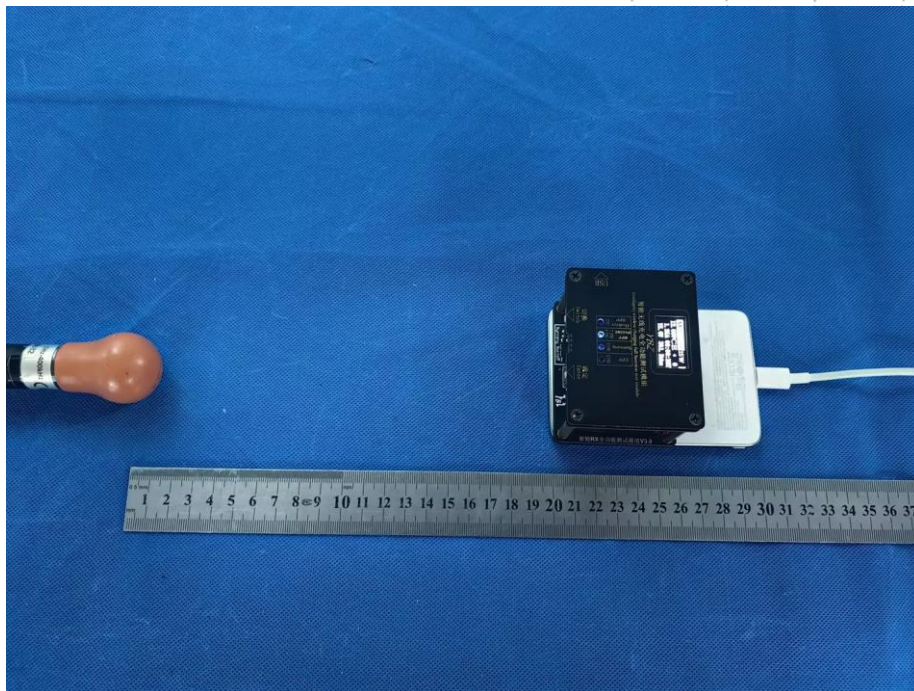
Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
0.8559	0.6409	0.5663	0.7125	0.1844	0.1873	1.63
Test result: Pass						

5. Photographs Of Test Set-Up

2cm



20cm



TECHNOLOGY
C
/ED
seal

STATEMENT

1. The equipment lists are traceable to the International System of Units (SI)
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC 17025:2017.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China

TEL: 400-788-9558

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Complaint/Advice E-mail: advice@bctc-lab.com.cn

***** END *****