



EUROFINS PRODUCT TESTING SERVICE (SHANGHAI) CO., LTD.

EMC TEST- REPORT

TEST REPORT NUMBER: EFSH14040635-IE-01-E01-A4



Eurofins Product Testing Service (Shanghai) Co., Ltd.
Building 18, No.2168 Chenhang Highway, Minhang District,
Shanghai, China

Phone: +86-21-61819181
Fax: +86-21-61819180
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2 General Information

2.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

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Operator:

2022-02-18

Kalsi Chen / Project Engineer



Date

Eurofins-Lab.

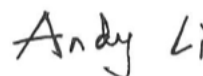
Name / Title

Signature

Technical responsibility for area of testing:

2022-02-18

Andy Li / Supervisor



Date

Eurofins

Name / Title

Signature

Test Report No.: EFSH14040635-IE-01-E01-A4

Eurofins Product Testing Service (Shanghai) Co., Ltd.
Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, China



2.2 Testing laboratory

Eurofins Product Testing Service (Shanghai) Co., Ltd.

No.395 West Jiangchang Road, Jing'an District, Shanghai, 200436, P.R. China

Telephone : +86-21-61819181

Telefax : +86-21-61819180

Test location, where different:

Test Report No.: EFSH14040635-IE-01-E01-A4

Eurofins Product Testing Service (Shanghai) Co., Ltd.
Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, China

2.3 Details of approval holder

Name :
Address : ,
Telephone : ./.
Fax : ./.

2.4 Application details

Date of receipt of test item : 2014-04-09
Date of test : 2014-04-09 to 2014-05-21
Amendment 1 : 2016-05-23 (date of test: N/A)
Amendment 2 : 2017-04-10 (date of test: N/A)
Amendment 3 : 2020-03-26 (date of test: N/A)
Amendment 4 : 2022-02-18 (Date of test: N/A)

2.5 EUT information

Product type : Hand-held blender
Model name : YW-1123A, YW-1123AN, YW-1123B, YW-1123BN, YDHB-002A
Brand name : ./.
Serial number : ./.
Ratings : 220-240V~, 50/60Hz, Class II for all models
YW-1123A, YW-1123B: 500W;
YW-1123AN, YW-1123BN, YDHB-002A: 600W
Test voltage : 230V~, 50Hz

Additional information :

The appliances covered by this report are Hand-held blender for household and indoor use.

Model Similarity:

Models YW-1123AN, YW-1123A, YW-1123BN, YW-1123B are series model. They all have food processor function and blender function and whisk function.

YW-1123AN and YW-1123BN are identical except for YW-1123B has a metallic decorative enclosure.

YW-1123AN and YW-1123A are identical except for rated power marked on the label.

YW-1123BN and YW-1123B are identical except for rated power marked on the label.

YDHB-002A has different appliance comparing with other models and also has food processor function and blender function and whisk function.

After review, YW-1123BN and YDHB-002A are selected as the models to be tested and the most unfavourable test results are recorded.

See page 29 for Amendment 1, Amendment 2, Amendment 3 and Amendment 4.

2.6 Test standards

Technical standard :

EN IEC 55014-1: 2021

EN IEC 55014-2: 2021

EN IEC 61000-3-2: 2019+A1: 2021

EN 61000-3-3: 2013+A1: 2019

Test Report No.: EFSH14040635-IE-01-E01-A4

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Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, China

3 Technical test

3.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



or

The deviations as specified were ascertained in the course of the tests performed.



3.2 Test environment

| | | | | |
|---------------------------|---|-----|-----|--------|
| Temperature | : | 20 | ... | 25°C |
| Relative humidity content | : | 30 | ... | 60% |
| Air pressure | : | 100 | ... | 103kPa |

3.3 Test mode

Operating

3.4 Test equipment utilized

Refer to the latest test date: 2014-04-09 to 2014-05-21

| Measurement Equipment List | | | | |
|----------------------------|---|-------------|------------------------|---------------|
| No. | Name: | Type: | Manufacturer: | Cal due data: |
| 1 | Ultra compact simulator | UCS500N7 | EMTEST | 2014-11-28 |
| 2 | Oscilloscope | TDS3012C | Tektronix | 2014-11-28 |
| 3 | Current transformer | MC2630 | EMTEST | 2014-11-28 |
| 4 | Motorized Variac | MV2616 | EMTEST | 2014-11-28 |
| 5 | Capacitive coupling clamp | HFK | EMTEST | 2014-11-28 |
| 6 | Continuous Wave Simulator | CWS500N1 | EMTEST | 2014-11-28 |
| 7 | CDN | L 801 M2/M3 | Luethi | 2014-11-28 |
| 8 | EM Clamp | EM 101 | EM 101 | 2014-11-28 |
| 9 | ESD | NSG 437 | TESEQ | 2014-11-28 |
| 10 | EMI Test Receiver | ESCI | R&S | 2014-11-28 |
| 11 | Single phase Harmonics & Flicker analyser | PACS-1 | California Instruments | 2014-11-28 |
| 12 | AC Power Source | 5001iX | California Instruments | 2014-11-28 |
| 13 | Absorbing clamp | MDS21 | Luethi | 2014-11-28 |
| 14 | Artificial mains | ENV216 | R&S | 2014-11-28 |
| 15 | Click meter | CL55C | AFJ | 2014-11-28 |

3.5 Test results

 1st test

 test after modification

 production test

| Test case | Subclause | Required | Test passed | Test failed |
|---|--|-------------------------------------|-------------------------------------|--------------------------|
| Conducted Emission | Clause 4.3.2 & 4.3.3 of EN IEC 55014-1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Disturbance power | Clause 4.3.4 of EN IEC 55014-1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Radiated disturbance | Clause 4.3.4 of EN IEC 55014-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Radiated disturbance (1GHz to 6GHz) | Clause 4.3.5 of EN IEC 55014-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Magnetic field (equipment using IPT) | Clause 4.3.2 of EN IEC 55014-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Discontinuous disturbance | Clause 4.4.2 of EN IEC 55014-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Harmonic Current Emissions | EN IEC 61000-3-2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Voltage Changes, Voltage Fluctuations and Flicker | EN 61000-3-3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Electrostatic Discharge | Clause 5.1 of EN IEC 55014-2 & IEC 61000-4-2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Electrical Fast Transients | Clause 5.2 of EN IEC 55014-2 & IEC 61000-4-4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Injected currents | Clause 5.3 & 5.4 of EN IEC 55014-2 & IEC 61000-4-6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Radio frequency electromagnetic fields | Clause 5.5 of EN IEC 55014-2 & IEC 61000-4-3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Surges | Clause 5.6 of EN IEC 55014-2 & IEC 61000-4-5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Voltage dips | Clause 5.7 of EN IEC 55014-2 & IEC 61000-4-11 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Note 1: The additional margin (0-10dB) was met in the frequency range 200MHz to 300MHz in Disturbance power test (absorbing clamp), and the EUT did not contain any circuit with clock frequency more than 30MHz, so the EUT was compliant with the Radiated disturbance test (300MHz-1GHz) without test.

Note 2: Category I apparatus is deemed to fulfil the relevant immunity requirements without testing.

Note 3: The click rate was less than 5, and the click duration was less than 10ms. So it is deemed to comply with Discontinuous disturbance test.

Note 4: Radiated disturbance test in the frequency range from 1 GHz to 6 GHz is not required as the highest clock frequency (F_x) of EUT is less than 108MHz.

Note 5: The EUT is deemed to conform to the harmonic current limits without further testing according to Annex B.13 of EN IEC 61000-3-2.

4 Emission Test

4.1 Conducted Emission

This clause lays down the general requirements for the measurement of disturbance voltage produced at the terminals of apparatus.

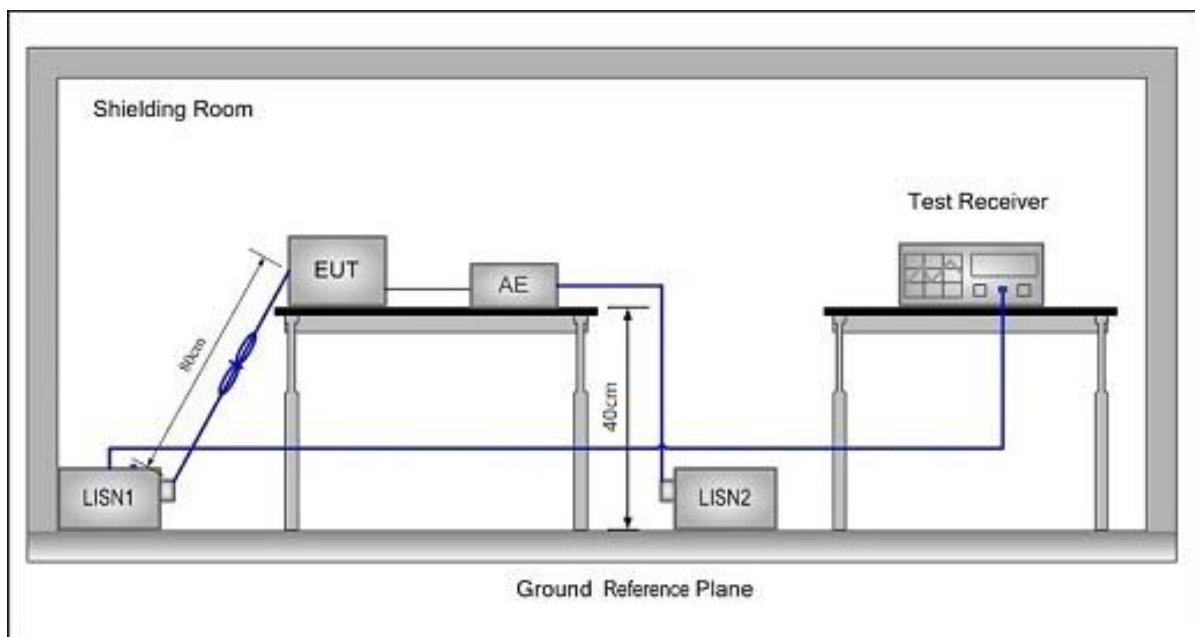
4.1.1 Limits

| Frequency range MHz | At mains terminals dB (μ V) | |
|------------------------|-------------------------------------|---------------|
| | Quasi-peak Limit | Average Limit |
| 0.15 to 0.50 | 66 to 56 | 59 to 46 |
| 0.50 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |

Note1: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 30 MHz.

Note2: The lower limit is applicable at the transition frequency.

4.1.2 Measurement procedure



1. The mains terminal disturbance voltage was measured with the EUT in a shielded room.
2. The EUT was connected to AC power source through a LISN (Line Impedance Stabilization Network) which provides a $(50 \mu\text{H} + 5 \Omega) \parallel 50 \Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN, which was bonded to the ground reference plane in the same way as the LISN for the unit being measured.
3. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.

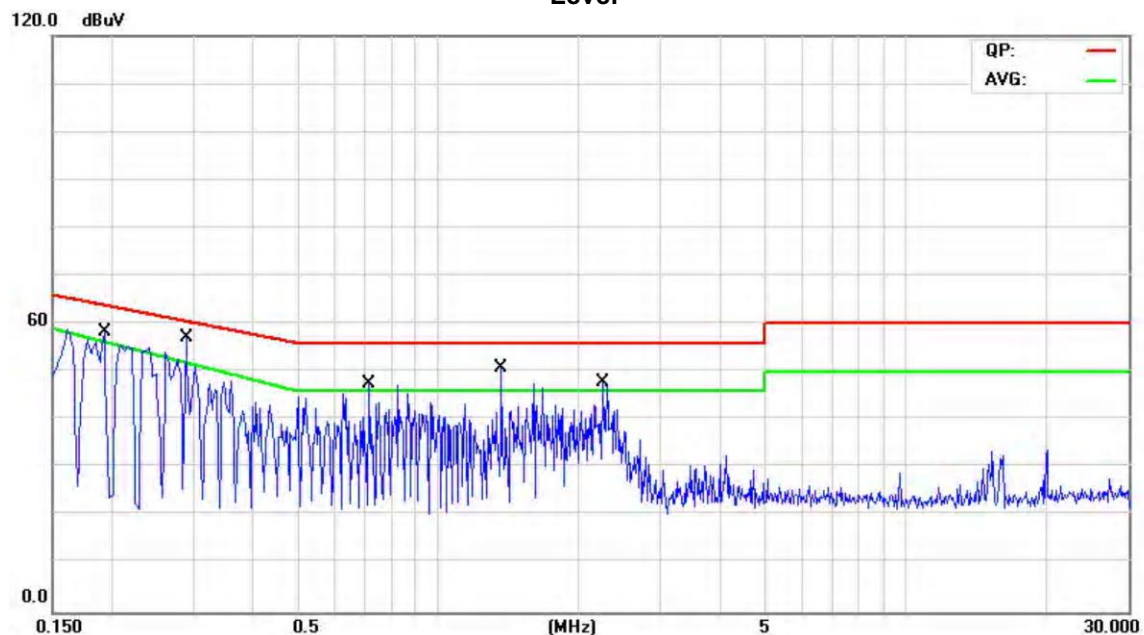
4. Before get the final emission results with quasi-peak(QP) detector and average(AVG) detector, a pre-scan was performed with the peak(PK) and average(AVG) detector to find out the maximum emission data plots of the EUT.

4.1.3 Measurement uncertainty

$U_{lab}(cond) = 1.8dB$ at 95% level of confidence, $k=2$

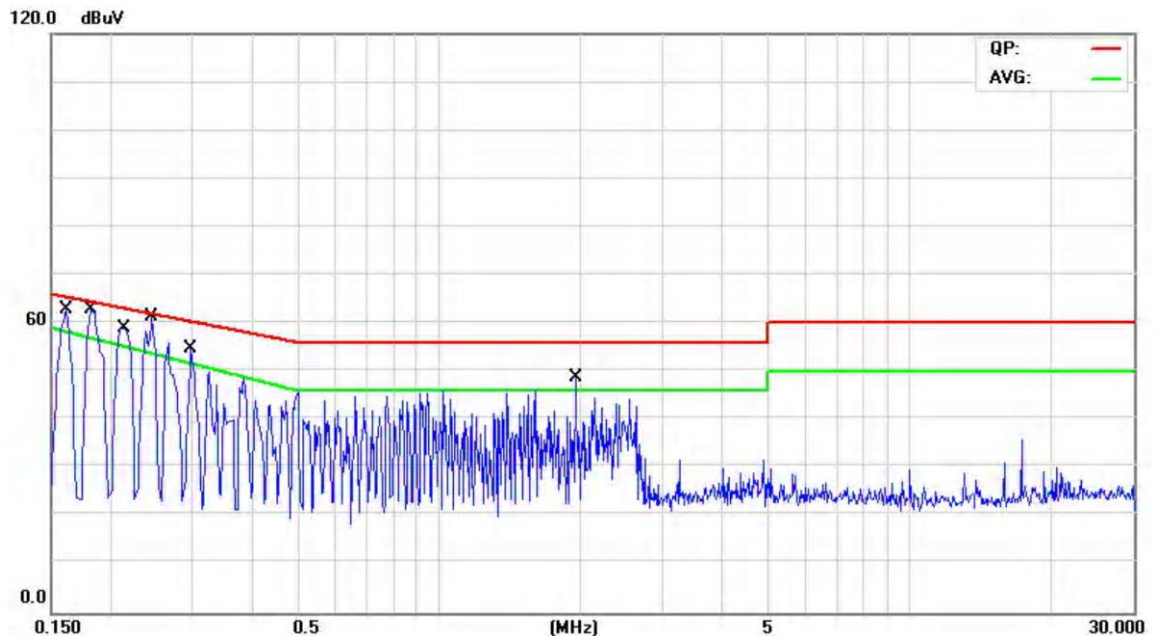
4.1.4 Results -Measurement Data

YW-1123BN
Live Line:
Level



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|
| | | MHz | dBuV | Factor | ment | dBuV | dB | Detector |
| 1 | * | 0.1940 | 45.35 | 9.91 | 55.26 | 63.86 | -8.60 | QP |
| 2 | | 0.1940 | 28.76 | 9.91 | 38.67 | 56.22 | -17.55 | AVG |
| 3 | | 0.2900 | 40.53 | 9.82 | 50.35 | 60.52 | -10.17 | QP |
| 4 | | 0.2900 | 22.14 | 9.82 | 31.96 | 51.88 | -19.92 | AVG |
| 5 | | 0.7140 | 26.69 | 9.75 | 36.44 | 56.00 | -19.56 | QP |
| 6 | | 0.7140 | 13.54 | 9.75 | 23.29 | 46.00 | -22.71 | AVG |
| 7 | | 1.3700 | 25.48 | 9.73 | 35.21 | 56.00 | -20.79 | QP |
| 8 | | 1.3700 | 11.40 | 9.73 | 21.13 | 46.00 | -24.87 | AVG |
| 9 | | 2.2500 | 25.40 | 9.88 | 35.28 | 56.00 | -20.72 | QP |
| 10 | | 2.2500 | 11.08 | 9.88 | 20.96 | 46.00 | -25.04 | AVG |

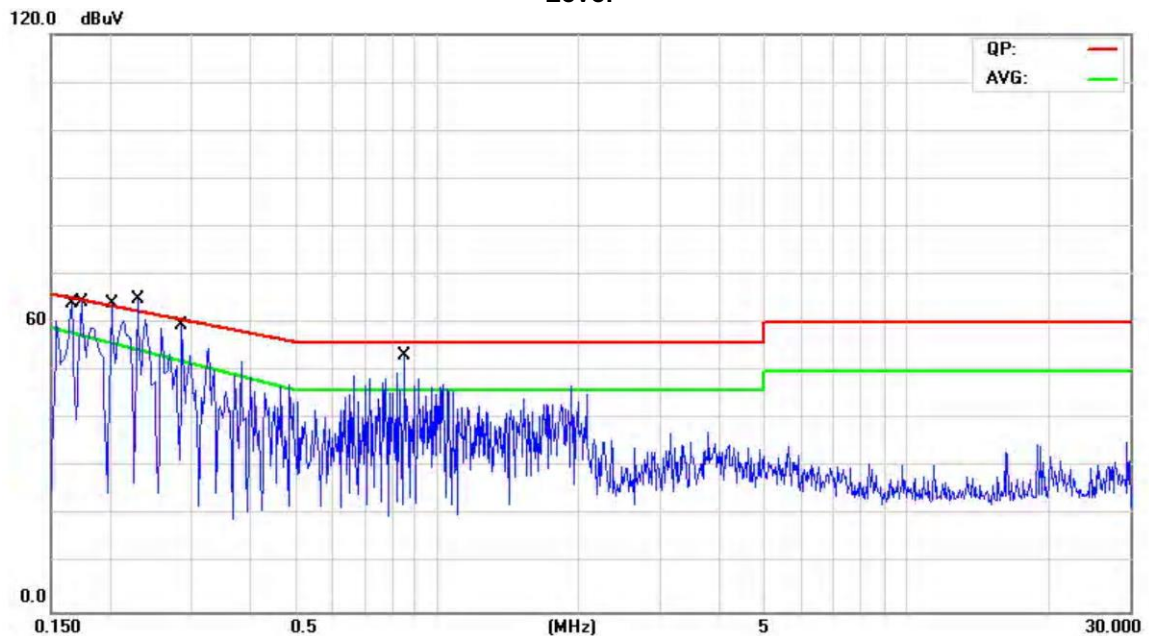
Neutral Line: Level



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|
| 1 | | 0.1620 | 45.36 | 10.11 | 55.47 | 65.36 | -9.89 | QP |
| 2 | | 0.1620 | 29.11 | 10.11 | 39.22 | 58.17 | -18.95 | AVG |
| 3 | * | 0.1820 | 45.98 | 9.98 | 55.96 | 64.39 | -8.43 | QP |
| 4 | | 0.1820 | 29.00 | 9.98 | 38.98 | 56.91 | -17.93 | AVG |
| 5 | | 0.2140 | 44.74 | 9.86 | 54.60 | 63.05 | -8.45 | QP |
| 6 | | 0.2140 | 28.16 | 9.86 | 38.02 | 55.16 | -17.14 | AVG |
| 7 | | 0.2460 | 41.81 | 9.85 | 51.66 | 61.89 | -10.23 | QP |
| 8 | | 0.2460 | 25.97 | 9.85 | 35.82 | 53.66 | -17.84 | AVG |
| 9 | | 0.2980 | 38.06 | 9.82 | 47.88 | 60.30 | -12.42 | QP |
| 10 | | 0.2980 | 21.23 | 9.82 | 31.05 | 51.59 | -20.54 | AVG |
| 11 | | 1.9540 | 23.10 | 9.86 | 32.96 | 56.00 | -23.04 | QP |
| 12 | | 1.9540 | 10.03 | 9.86 | 19.89 | 46.00 | -26.11 | AVG |

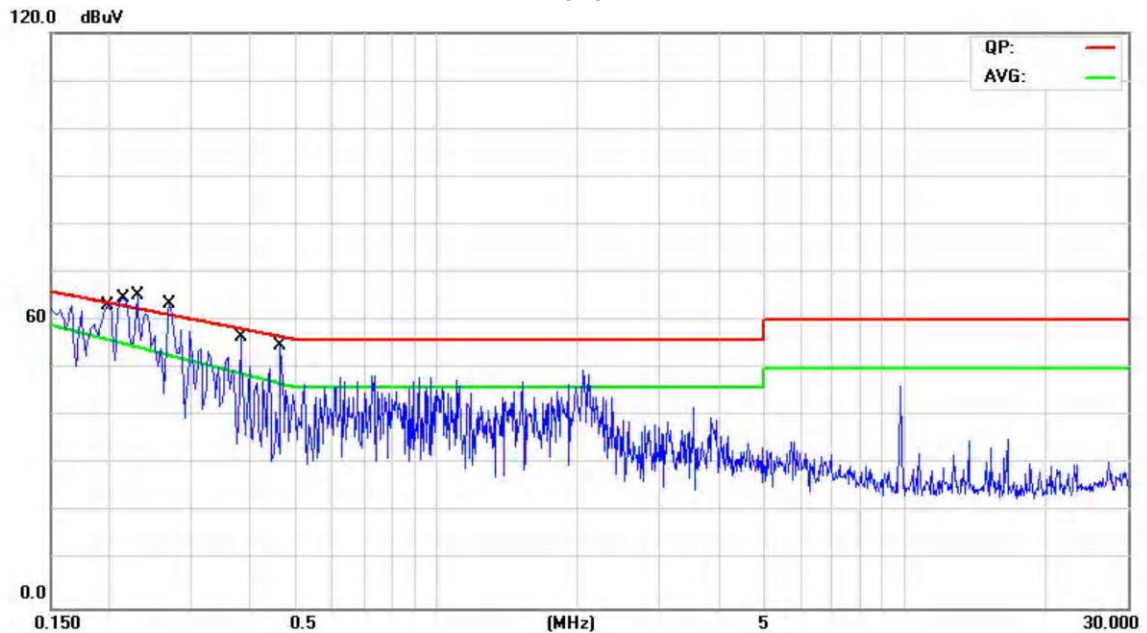
YDHB-002A

Live Line:
Level



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|
| | | MHz | Level | Factor | ment | | | Detector |
| | | | dBuV | dB | dBuV | dBuV | dB | |
| 1 | | 0.1660 | 48.47 | 10.08 | 58.55 | 65.16 | -6.61 | QP |
| 2 | | 0.1660 | 30.14 | 10.08 | 40.22 | 57.91 | -17.69 | AVG |
| 3 | | 0.1740 | 49.52 | 10.03 | 59.55 | 64.77 | -5.22 | QP |
| 4 | | 0.1740 | 31.08 | 10.03 | 41.11 | 57.40 | -16.29 | AVG |
| 5 | | 0.2020 | 49.11 | 9.87 | 58.98 | 63.53 | -4.55 | QP |
| 6 | | 0.2020 | 30.89 | 9.87 | 40.76 | 55.79 | -15.03 | AVG |
| 7 | * | 0.2300 | 48.69 | 9.85 | 58.54 | 62.45 | -3.91 | QP |
| 8 | | 0.2300 | 30.17 | 9.85 | 40.02 | 54.38 | -14.36 | AVG |
| 9 | | 0.2860 | 43.62 | 9.82 | 53.44 | 60.64 | -7.20 | QP |
| 10 | | 0.2860 | 25.46 | 9.82 | 35.28 | 52.03 | -16.75 | AVG |
| 11 | | 0.8500 | 30.30 | 9.70 | 40.00 | 56.00 | -16.00 | QP |
| 12 | | 0.8500 | 15.05 | 9.70 | 24.75 | 46.00 | -21.25 | AVG |

Neutral Line:
Level



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|
| 1 | * | 0.1980 | 51.81 | 9.88 | 61.69 | 63.69 | -2.00 | QP |
| 2 | | 0.1980 | 32.68 | 9.88 | 42.56 | 56.00 | -13.44 | AVG |
| 3 | | 0.2140 | 51.10 | 9.86 | 60.96 | 63.05 | -2.09 | QP |
| 4 | | 0.2140 | 31.97 | 9.86 | 41.83 | 55.16 | -13.33 | AVG |
| 5 | | 0.2300 | 50.42 | 9.85 | 60.27 | 62.45 | -2.18 | QP |
| 6 | | 0.2300 | 31.58 | 9.85 | 41.43 | 54.38 | -12.95 | AVG |
| 7 | | 0.2700 | 46.22 | 9.83 | 56.05 | 61.12 | -5.07 | QP |
| 8 | | 0.2700 | 27.89 | 9.83 | 37.72 | 52.65 | -14.93 | AVG |
| 9 | | 0.3820 | 35.76 | 9.77 | 45.53 | 58.24 | -12.71 | QP |
| 10 | | 0.3820 | 18.49 | 9.77 | 28.26 | 48.91 | -20.65 | AVG |
| 11 | | 0.4660 | 31.72 | 9.73 | 41.45 | 56.58 | -15.13 | QP |
| 12 | | 0.4660 | 15.38 | 9.73 | 25.11 | 46.76 | -21.65 | AVG |

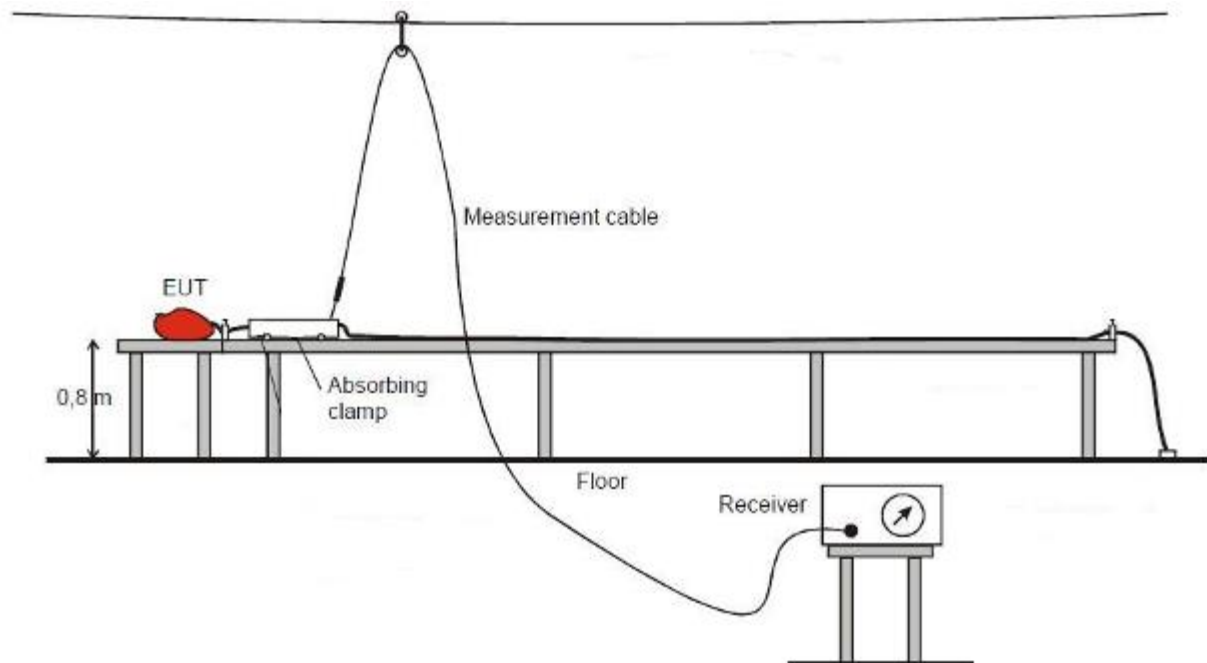
4.2 Disturbance power

This clause lays down the general requirements for the measurement of disturbance power produced at the terminals of apparatus.

4.2.1 Limits

| Frequency range MHz | Limit dB (pW) | |
|---|------------------|----------|
| | Quasi-peak | Average |
| 30 to 300 | 45 to 55 | 35 to 45 |
| Note1: Increasing linearly with the frequency from. | | |

4.2.2 Measurement procedure

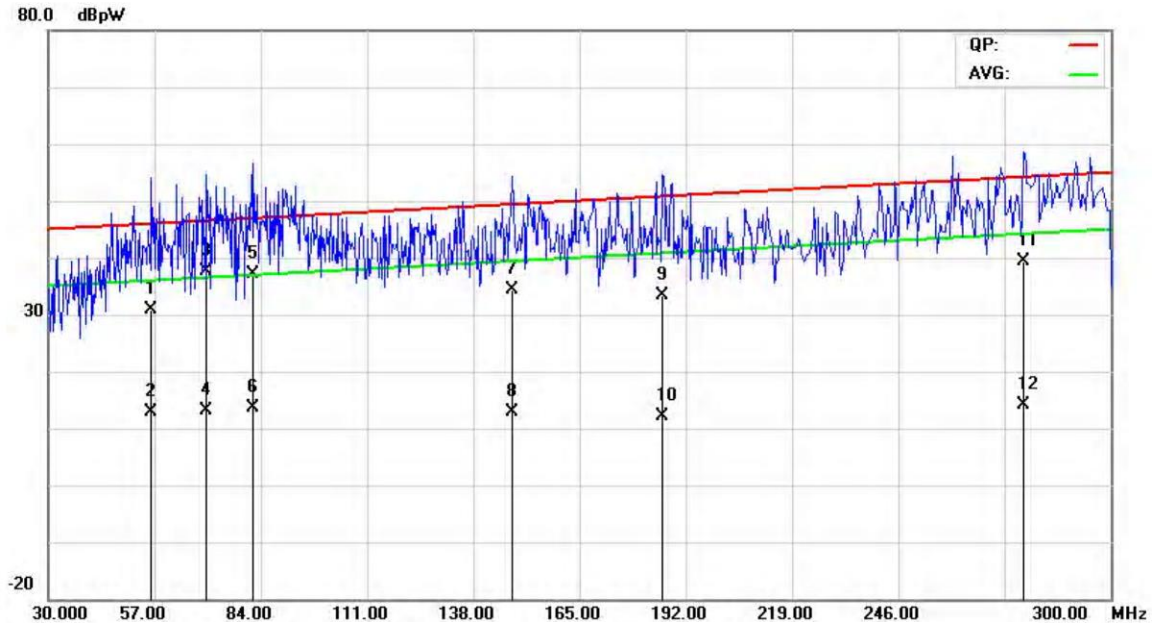


The test configuration corresponds to the standard EN IEC 55014-1. The equipment under test is placed on a non metallic table with 0,8 m high. The lead to be measured is stretched horizontally in a straight line, to permit variation in position of the absorbing clamp along the lead to find the maximum indication. The lead shall be at least length of 6 meter. Before get the final emission results with quasi-peak(QP) detector and average(AVG) detector, a pre-scan was performed with the peak(PK) detector to find out the maximum emission data plots of the EUT. The absorbing clamp is placed around the lead.

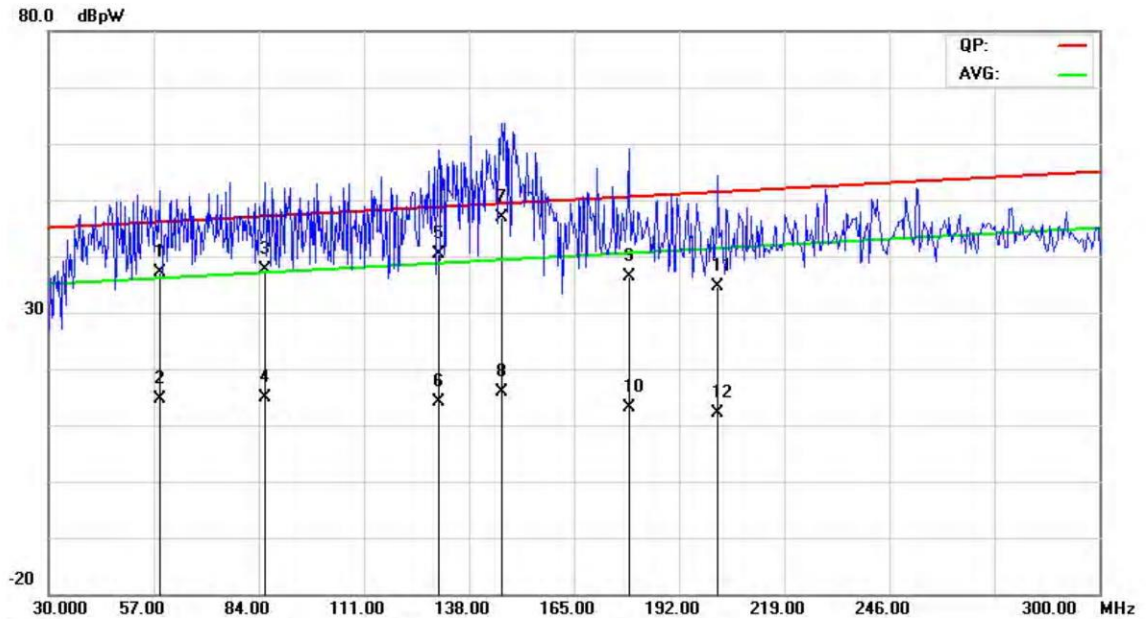
4.2.3 Measurement uncertainty

$U_{lab}(cond) = 3.35 \text{ dB}$ at confidence of 95%, $k=2$

YW-1123BN Level



| No. | Mk. | Freq. MHz | Reading Level dBpW | Correct Factor dB | Measure- ment dBpW | Limit dBpW | Over dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|
| 1 | | 56.2799 | 8.76 | 22.23 | 30.99 | 45.97 | -14.98 | QP |
| 2 | | 56.2799 | -9.39 | 22.23 | 12.84 | 35.97 | -23.13 | AVG |
| 3 | * | 70.4800 | 15.93 | 21.59 | 37.52 | 46.50 | -8.98 | QP |
| 4 | | 70.4800 | -8.58 | 21.59 | 13.01 | 36.50 | -23.49 | AVG |
| 5 | | 82.3200 | 15.42 | 21.64 | 37.06 | 46.94 | -9.88 | QP |
| 6 | | 82.3200 | -8.10 | 21.64 | 13.54 | 36.94 | -23.40 | AVG |
| 7 | | 148.0800 | 13.32 | 20.94 | 34.26 | 49.37 | -15.11 | QP |
| 8 | | 148.0800 | -8.01 | 20.94 | 12.93 | 39.37 | -26.44 | AVG |
| 9 | | 186.3199 | 13.57 | 19.87 | 33.44 | 50.79 | -17.35 | QP |
| 10 | | 186.3199 | -7.73 | 19.87 | 12.14 | 40.79 | -28.65 | AVG |
| 11 | | 278.0799 | 19.24 | 20.20 | 39.44 | 54.19 | -14.75 | QP |
| 12 | | 278.0799 | -6.14 | 20.20 | 14.06 | 44.19 | -30.13 | AVG |

**YDHB-002A
Level**


| No. | Mk. | Freq. MHz | Reading Level dBpW | Correct Factor dB | Measure- ment dBpW | Limit dBpW | Over dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|
| 1 | | 58.8000 | 15.22 | 21.93 | 37.15 | 46.07 | -8.92 | QP |
| 2 | | 58.8000 | -7.19 | 21.93 | 14.74 | 36.07 | -21.33 | AVG |
| 3 | | 85.8000 | 15.93 | 21.66 | 37.59 | 47.07 | -9.48 | QP |
| 4 | | 85.8000 | -6.85 | 21.66 | 14.81 | 37.07 | -22.26 | AVG |
| 5 | | 130.3600 | 18.95 | 21.36 | 40.31 | 48.72 | -8.41 | QP |
| 6 | | 130.3600 | -7.27 | 21.36 | 14.09 | 38.72 | -24.63 | AVG |
| 7 | * | 146.4400 | 25.88 | 20.98 | 46.86 | 49.31 | -2.45 | QP |
| 8 | | 146.4400 | -5.11 | 20.98 | 15.87 | 39.31 | -23.44 | AVG |
| 9 | | 179.0800 | 16.39 | 20.09 | 36.48 | 50.52 | -14.04 | QP |
| 10 | | 179.0800 | -6.89 | 20.09 | 13.20 | 40.52 | -27.32 | AVG |
| 11 | | 202.1600 | 15.09 | 19.46 | 34.55 | 51.38 | -16.83 | QP |
| 12 | | 202.1600 | -7.23 | 19.46 | 12.23 | 41.38 | -29.15 | AVG |

4.3 Voltage Changes, Voltage Fluctuations and Flicker

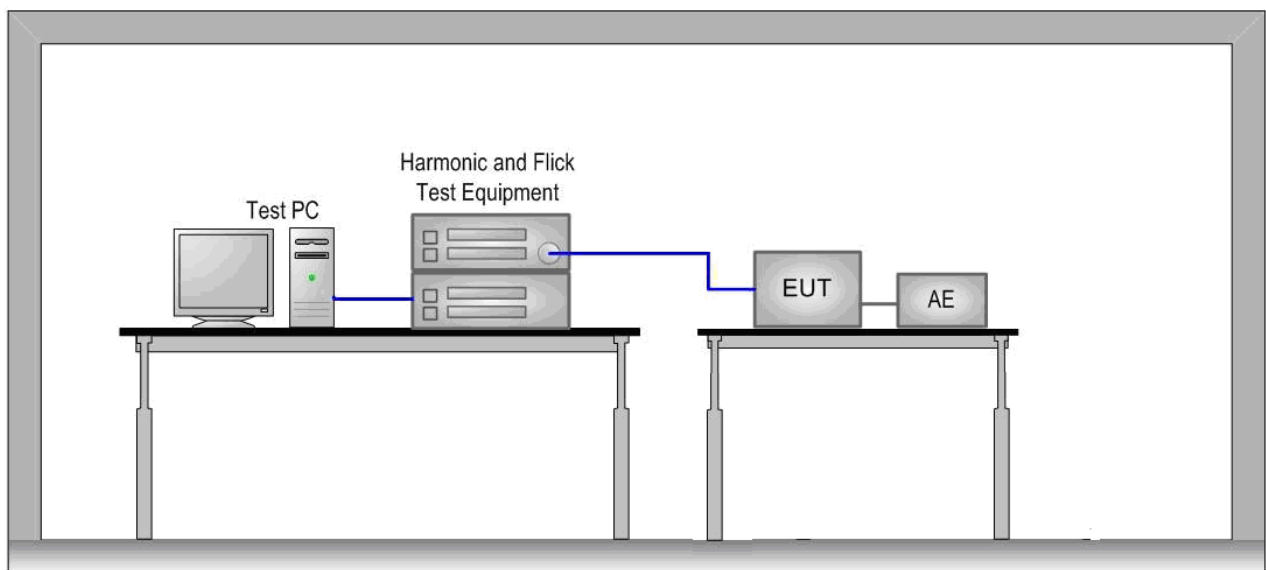
This part is concerned with the limitation of voltage fluctuations and flicker impressed on the public low-voltage system.

4.3.1 Limits

| Value | Limit |
|-------|-------|
| Pst | 1,0 |
| Plt | 0,65 |
| dt | 3,3% |
| dc | 3,3% |
| dmax | 7,0% |

Note: Pst and Plt requirements shall not be applied to voltage changes caused by manual switching. The EUT is an equipment which is attended whilst in use.

4.3.2 Measurement test procedure



The equipment under test is placed on a wooden table with a height of 0,8 m in the EMC lab. The voltage fluctuations and flicker were measured at the supply terminals of the EUT.

4.3.3 Results

YW-1123BN

Parameter values recorded during the test:

Vrms at the end of test (Volt): 229.97

Time(mS) > dt: 0.0

Highest dc (%): 0.00

Highest dmax (%): 0.58

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 7.00 Pass



YDHB-002A

Parameter values recorded during the test:

| | | | | |
|---------------------------------|--------|------------------|-------|------|
| Vrms at the end of test (Volt): | 229.95 | | | |
| Time(mS) > dt: | 0.0 | Test limit (mS): | 500.0 | Pass |
| Highest dc (%): | 0.00 | Test limit (%): | 3.30 | Pass |
| Highest dmax (%): | 0.48 | Test limit (%): | 7.00 | Pass |

Test Report No.: EFSH14040635-IE-01-E01-A4

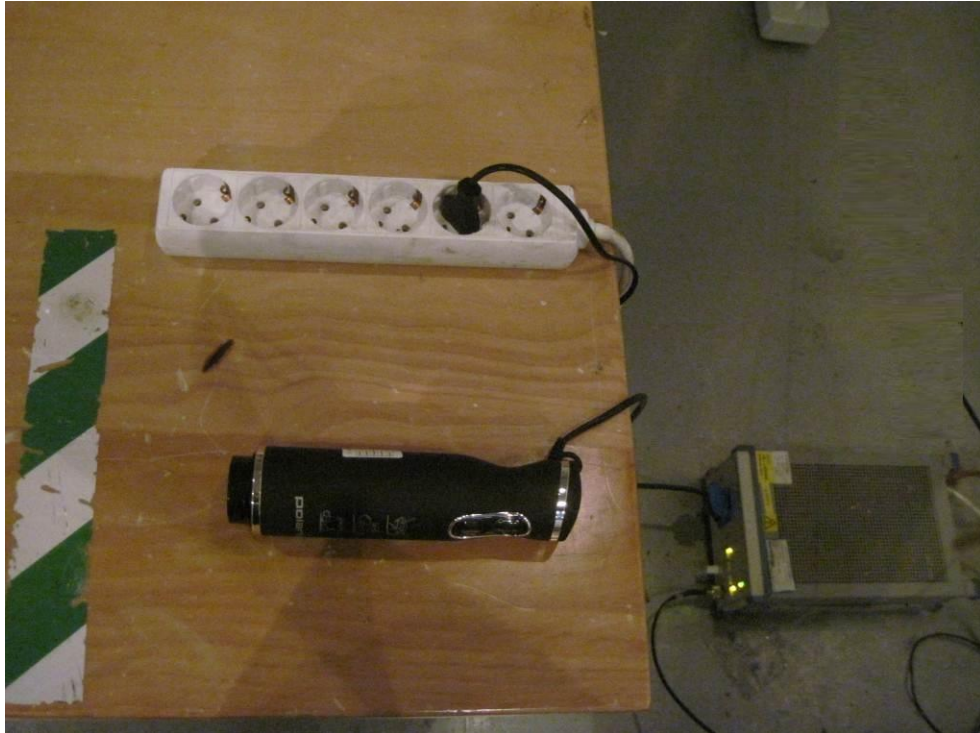
Eurofins Product Testing Service (Shanghai) Co., Ltd.
Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, China

5 Test Setup Photos

Flicker



Conducted Emission



Disturbance power



6 EUT Photos

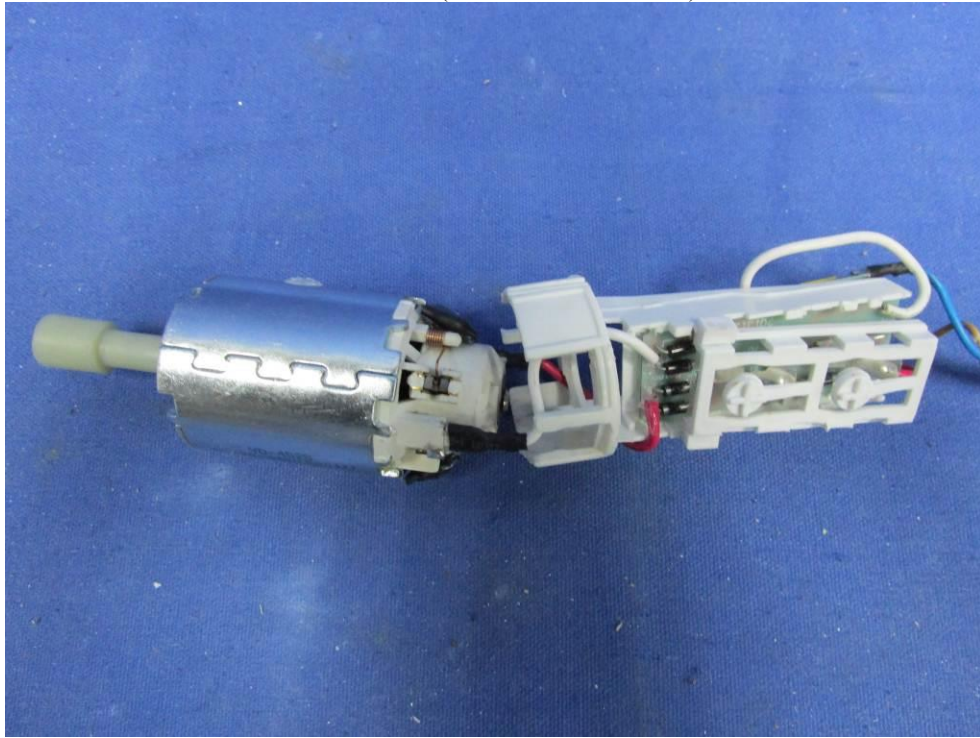
Overview (YW-1123A/AN)



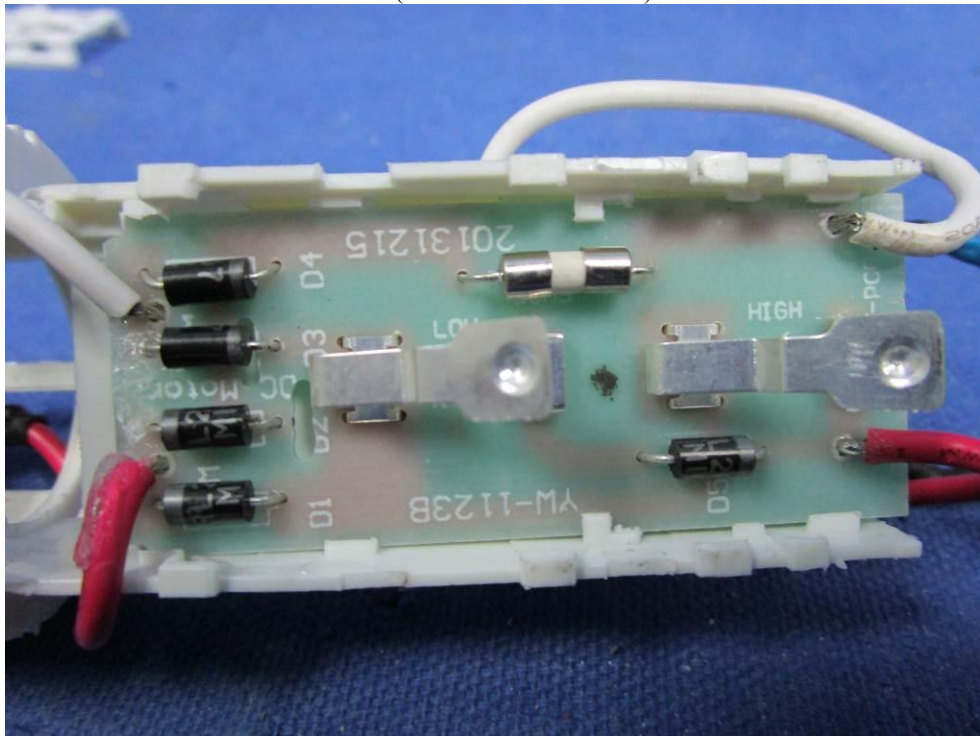
Overview (YW-1123B/BN)



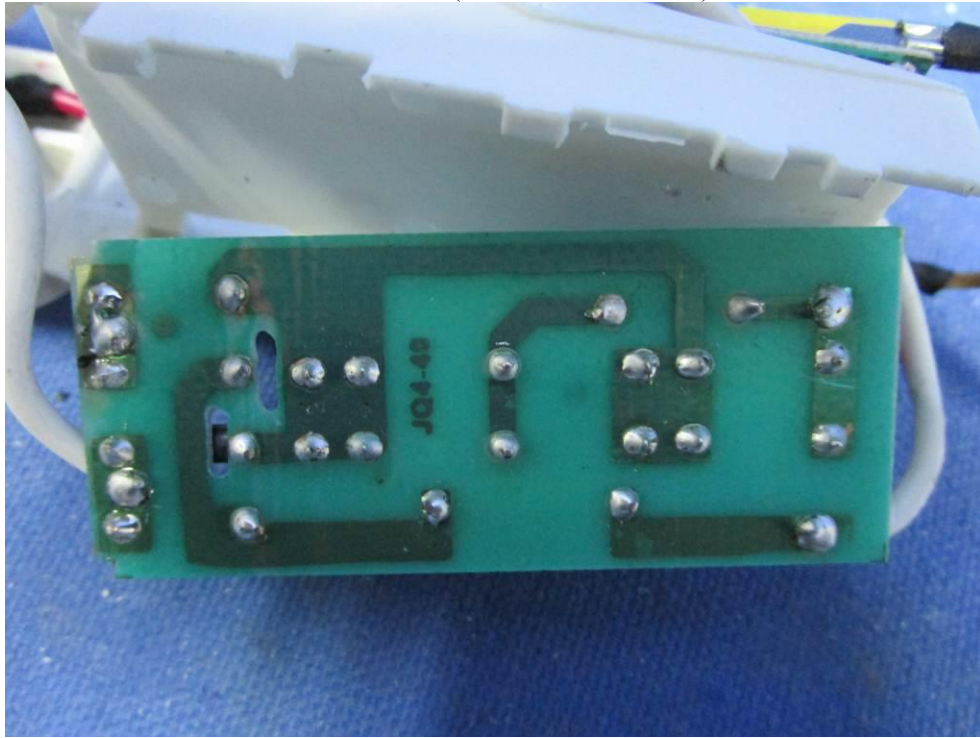
Internal view (YW-1123A/AN/B/BN)



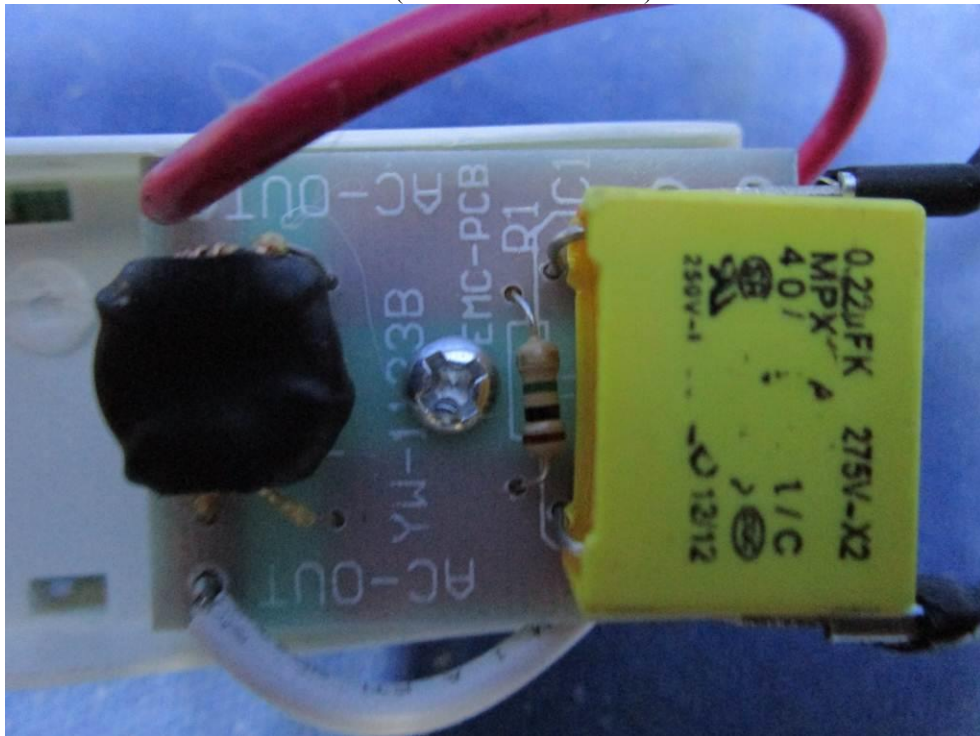
PCB (YW-1123A/AN/B/BN)



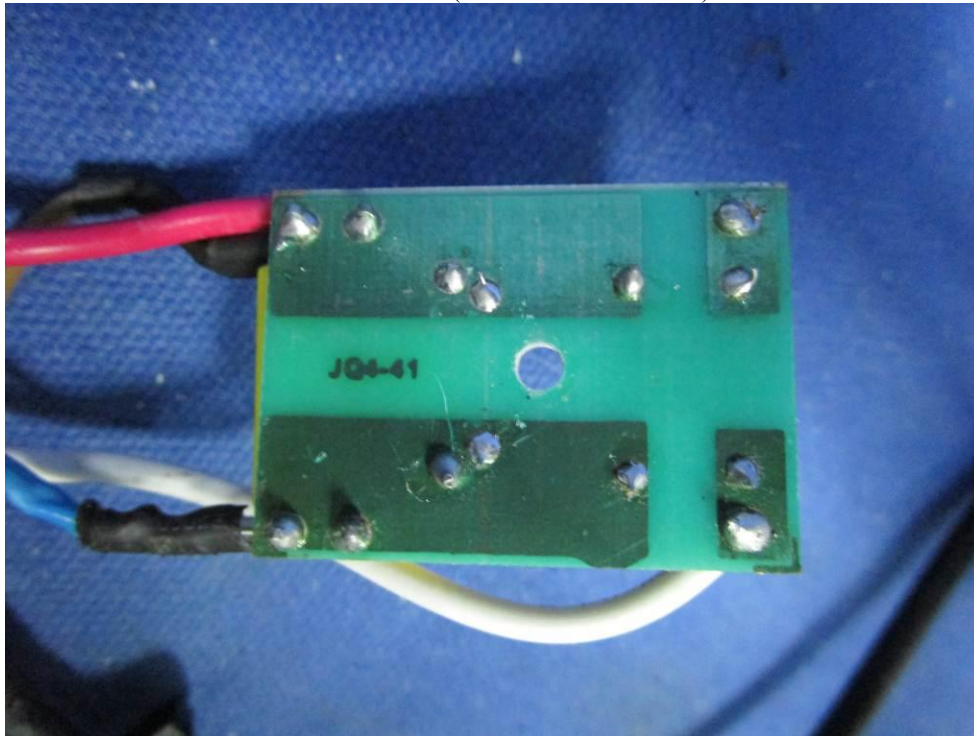
PCB back view (YW-1123A/AN/B/BN)



PCB (YW-1123A/AN/B/BN)



PCB back view (YW-1123A/AN/B/BN)



Overview (YDHB-002A)



Internal view (YDHB-002A)



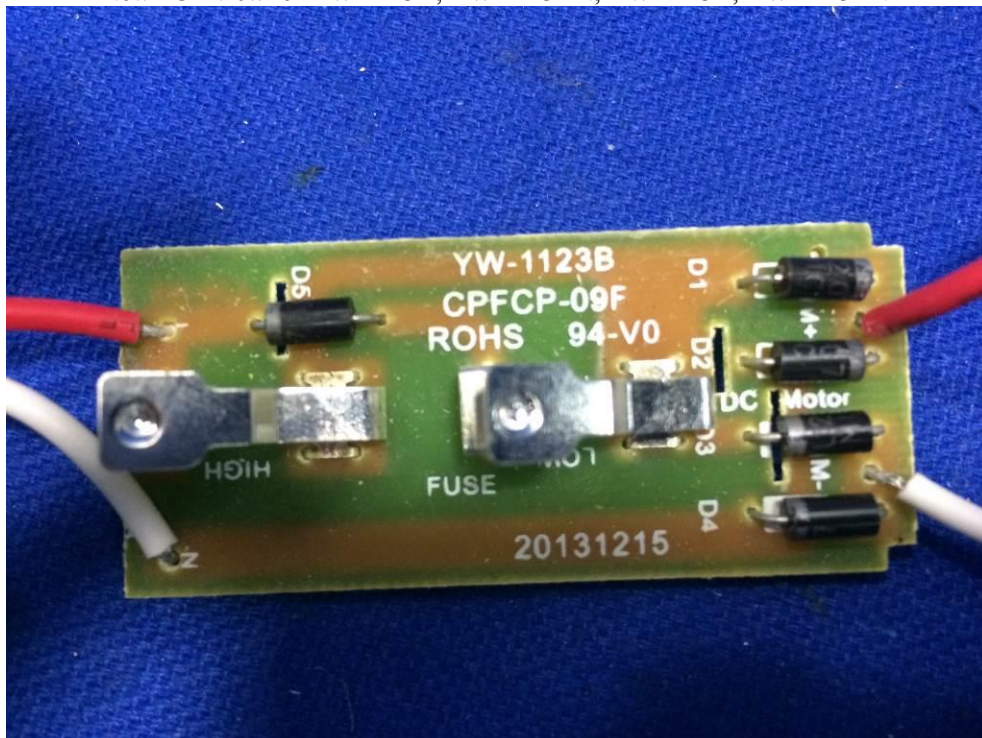
PCB (YDHB-002A)



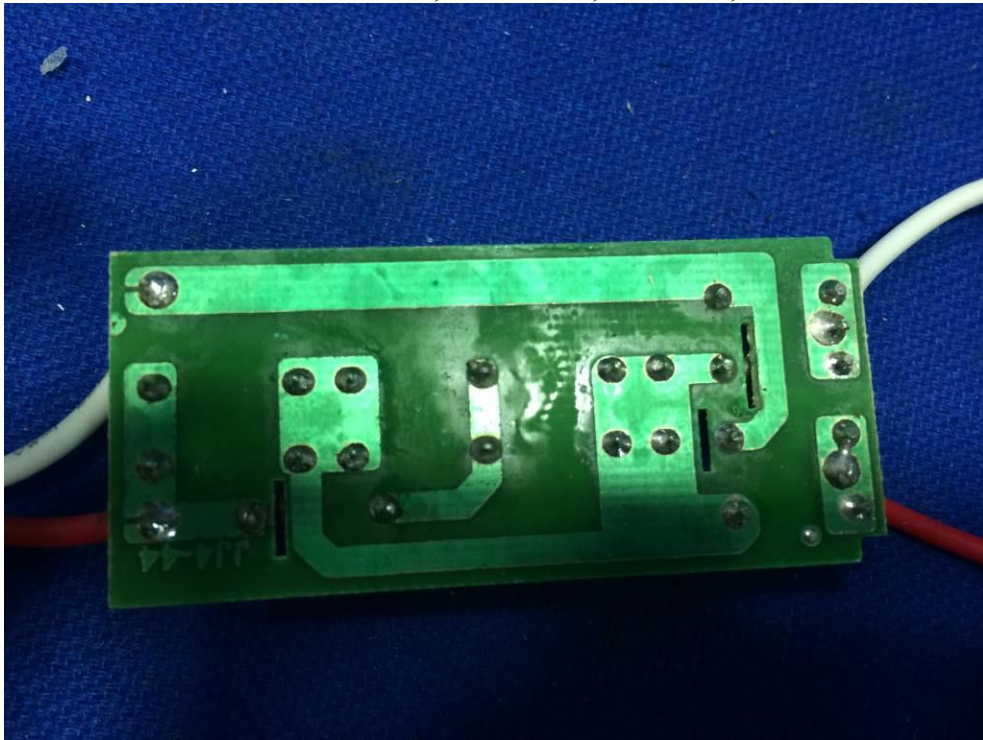
PCB back view (YDHB-002A)



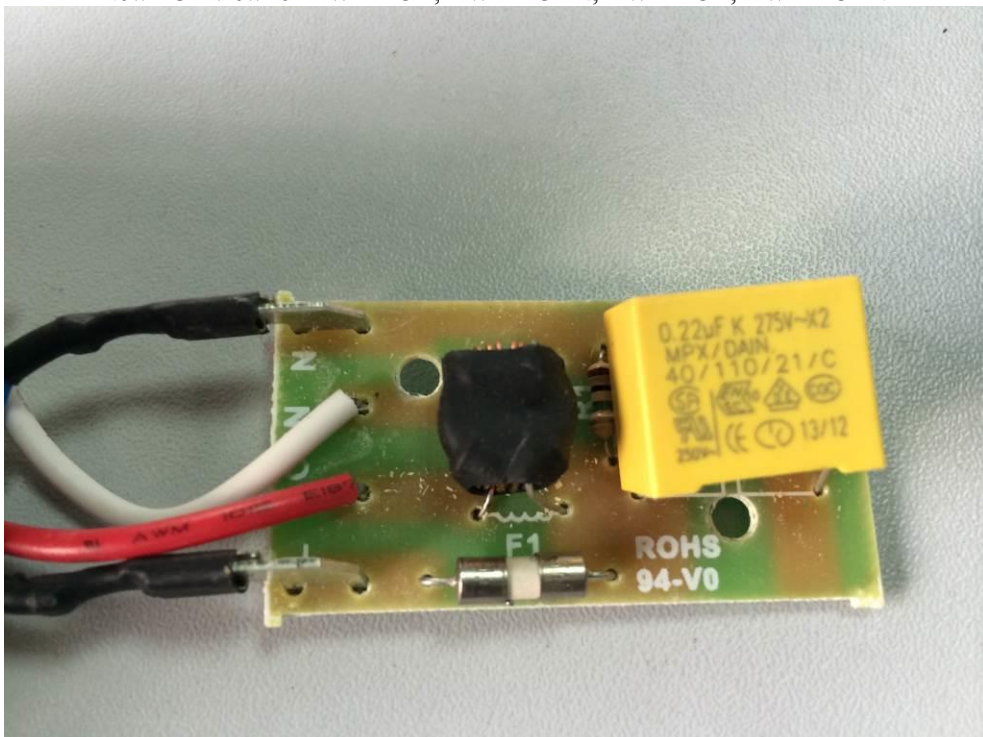
New PCB view for YW-1123A, YW-1123AN, YW-1123B, YW-1123BN



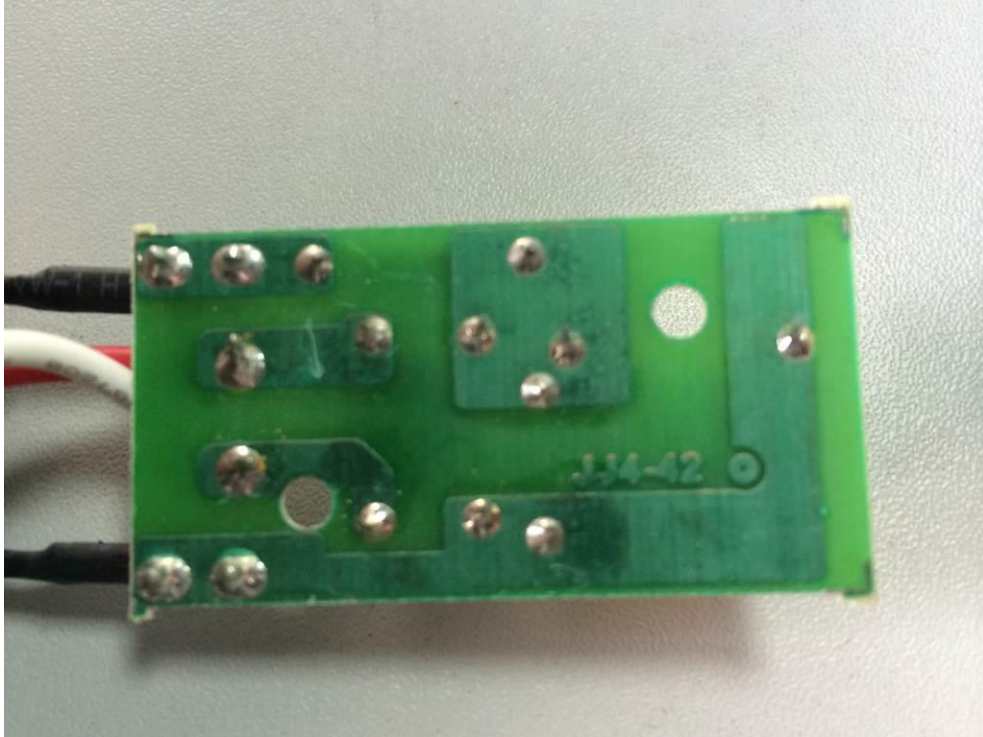
New PCB view for YW-1123A, YW-1123AN, YW-1123B, YW-1123BN



New PCB view for YW-1123A, YW-1123AN, YW-1123B, YW-1123BN



New PCB view for YW-1123A, YW-1123AN, YW-1123B, YW-1123BN



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Building 18, No.2168 Chenhang Highway, Minhang District, Shanghai, China

7 Amendment 1

The test Report Ref. EFSH14040635-IE-01-E01, dated 2014-05-21 was modified on 2016-05-23 to include the following changes and/or additions:

1. Update technical standard to EN 61000-3-2: 2014.
2. Change the position of fuse on PCB for model YW-1123A, YW-1123AN, YW-1123B, YW-1123BN.

After review, no test needs to be done.

This report replaces the original test report: EFSH14040635-IE-01-E01.

8 Amendment 2

The test Report Ref. EFSH14040635-IE-01-E01, dated 2014-05-21 and Ref. EFSH14040635-IE-01-E01-A1, dated 2016-05-23 was modified on 2017-04-10 to include the following changes and/or additions:

1. Add technical standard EN 55014-2: 2015.

After review, no test needs to be done.

This report replaces the original test report: EFSH14040635-IE-01-E01 and EFSH14040635-IE-01-E01-A1.

9 Amendment 3

The test report Ref. No. EFSH14040635-IE-01-E01-A2 dated 2017-04-10 was modified on 2020-03-26 to include the following changes and/or additions:

1. Update technical standard to “EN 55014-1: 2017”.
2. Remove technical standard “EN 55014-2: 1997+A1: 2001+A2: 2008”.
3. Update technical standard to “EN IEC 61000-3-2: 2019”.
4. Update technical standard to “EN 61000-3-3: 2013+A1: 2019”.
5. Update the address of approval holder from “No.88 Daqiao Road, Henghe, Cixi, Zhejiang 315318, P.R. China” to “No.347-349 Yangmei Road, Henghe, Cixi, Ningbo, Zhejiang, 315318, P.R. China”.

After review, no additional test needs to be performed.

Test report ref. No. EFSH14040635-IE-01-E01-A2 is replaced by this test report ref. No. EFSH14040635-IE-01-E01-A3.

10 Amendment 4

The test report Ref. No. EFSH14040635-IE-01-E01-A3 dated 2020-03-26 was modified on 2022-02-18 to include the following changes and/or additions:

1. Update technical standard to “EN IEC 55014-1: 2021”.
2. Update technical standard to “EN IEC 55014-2: 2021”.
3. Update technical standard to “EN IEC 61000-3-2: 2019+A1: 2021”.

After review, no additional test needs to be performed.

Test report ref. No. EFSH14040635-IE-01-E01-A3 is replaced by this test report ref. No. EFSH14040635-IE-01-E01-A4.