



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

EMC TEST- REPORT

TEST REPORT NUMBER: EFSH19111063-IE-01-E01-A2



TABLE OF CONTENTS

1	Contents	
1	Contents	2
2	General Information	3
2.1	Notes	3
2.2	Testing laboratory	4
2.3	Details of approval holder	5
2.4	Application details	5
2.5	EUT Information	5
2.6	Test standards	6
3	Technical test	7
3.1	Summary of test results	7
3.2	Test environment	7
3.3	Test mode	7
3.4	Test equipment utilized	8
3.5	Test results	9
4	Emission Test	11
4.1	Conducted Emission	11
4.2	Disturbance power	14
4.3	Discontinuous disturbance	16
4.4	Harmonic Current Emissions	18
4.5	Voltage Changes, Voltage Fluctuations and Flicker	24
5	Test Setup Photos	25
6	EUT Photos	27
7	Amendment 1	35
8	Amendment 2	35

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.

Eurofins Product Testing Service (Shanghai) Co., Ltd. is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

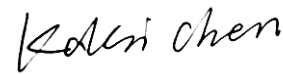
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Operator:

2022-09-02

Kalsi Chen / Project Engineer



Date

Eurofins-Lab.

Name / Title

Signature

Technical responsibility for area of testing:

2022-09-02

Andy Li / Supervisor



Date

Eurofins

Name / Title

Signature

Test Report No.: EFSH19111063-IE-01-E01-A2

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:

2.3 Details of approval holder

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

2.4 Application details

Date of receipt of test item : 2014-12-24
 Date of test : 2014-12-24 to 2015-01-05
 Date of re-evaluation : 2019-12-16
 Amendment 1 : 2021-04-27 (Date of test: N/A)
 Amendment 2 : 2022-09-02 (Date of test: N/A)

2.5 EUT Information

Product type : Crepes Pan
 Model name : PP-007A, PP-007B, PP-018-1.5, PP-017-1.5, PP-016-1.5,
 PP-018-2, PP-017-2, PP-016-2, PP-007C, PP-007D, PP-016A
 Brand name : COYA
 Serial number : ./.
 Ratings : 220-240V~, 50-60Hz, Class I for all models
 PP-007A, PP-018-2, PP-017-2, PP-016-2: 2000W,
 PP-007B, PP-018-1.5, PP-017-1.5, PP-016-1.5, PP-007C,
 PP-016A, PP-007D: 1500W
 Test voltage : 230V~, 50Hz
 Additional information :

The appliances covered by this report are crepes pan for household use only.

PP-007A and PP-007B are the same except for the shape of heating element, rated power input and the size of cooking plate.

PP-007C was all the same with original model PP-007A except the rated power input.

PP-007D and PP-007 are all the same except rated power input and appearance of heating plate.

PP-018-1.5, PP-017-1.5, PP-016-1.5, PP-018-2, PP-017-2 and PP-016-2 are the same except for the shape of heating element, rated power input and the size of cooking plate.

Model	Rating (W)	Plates
PP-007A	2000	7
PP-007B	1500	4
PP-007C	1500	7
PP-007D	1500	11
PP-018-1.5	1500	4
PP-017-1.5	1500	6
PP-016-1.5	1500	8
PP-018-2	2000	4
PP-017-2	2000	6

Test Report No.: EFSH19111063-IE-01-E01-A2

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PP-016-2	2000	8
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After review, model PP-007B was tested as representative model to be recorded.

See page 33 for Amendment 1 and Amendment 2.

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+A2: 2021

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 (Max. level)

3.4 Test equipment utilized

(refer to the latest test date: 2014-12-24 to 2015-01-05)

Measurement Equipment List				
No.	Name:	Type:	Manufacturer:	Cal due date:
1	EMI test receiver	ESCI	R&S	2015-11-27
2	Single phase Harmonics & Flicker analyser	PACS-1	California Instruments	2015-11-27
3	AC Power Source	5001ix	California Instruments	2015-11-27
4	Coupling/Decoupling Network	L 801 M2/M3	Luethi	2015-11-27
5	Ultra Compact Simulator	UCS 500N7	EMTEST	2015-01-05
6	ESD	NSG 437	TESEQ	2015-11-27
7	Current transformer	MC2630	EMTEST	2015-11-27
8	Motorized variac	MV2616	EMTEST	2015-01-05
9	Continuous wave simulator	CWS500N1	EMTEST	2015-11-27
10	Magnetic field coil	MS100	EMTEST	2015-11-27
11	Current transformer	MC26100	EMTEST	2015-11-27
12	Artificial mains	ENV216	R&S	2015-11-27
13	Click analyser	CL55C	AFJ	2015-09-04
14	Absorbing clamp	MDS21	Luethi	2015-11-27
15	EM clamp	EM101	Luethi	2015-11-27

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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Harmonic Current Emissions	EN IEC 61000-3-2	<input checked="" type="checkbox"/>	<input checked="" 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 meet in the frequency range 200MHz to 300MHz in Disturbance power test(absorbing clamp), and the EUT did not contained 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: Radiated disturbance test in the frequency range from 1 GHz to 6 GHz is not required as the highest clock frequency (Fx) of EUT is less than 108MHz.

Test Report No.: EFSH19111063-IE-01-E01-A2

Eurofins Product Testing Service (Shanghai) Co., Ltd.
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Test Report No.: EFSH19111063-IE-01-E01-A2

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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.

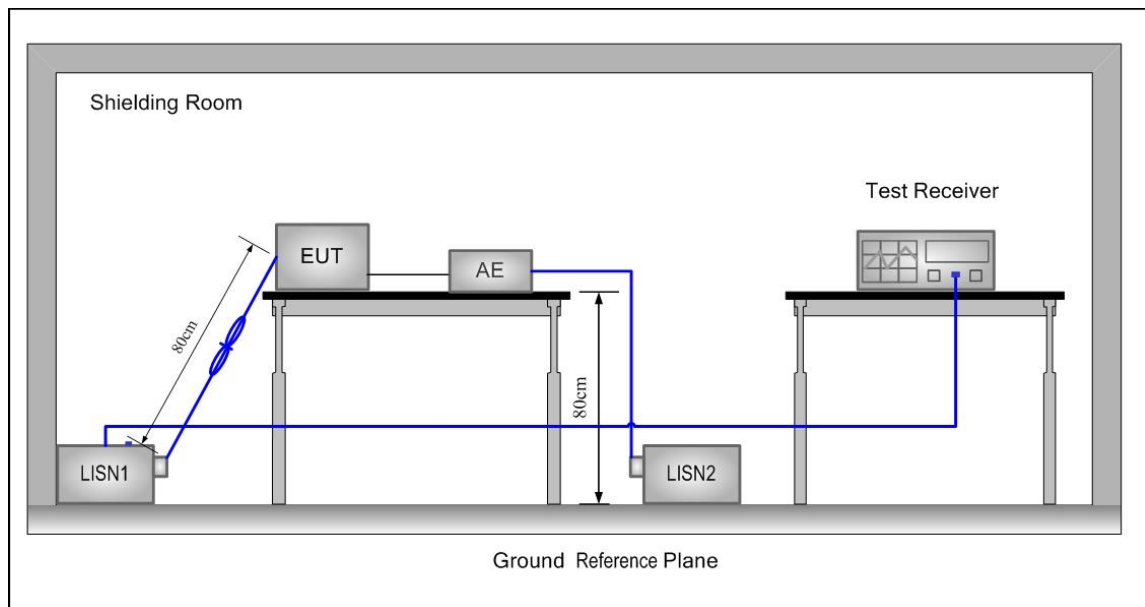
4.1.1 Limits

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



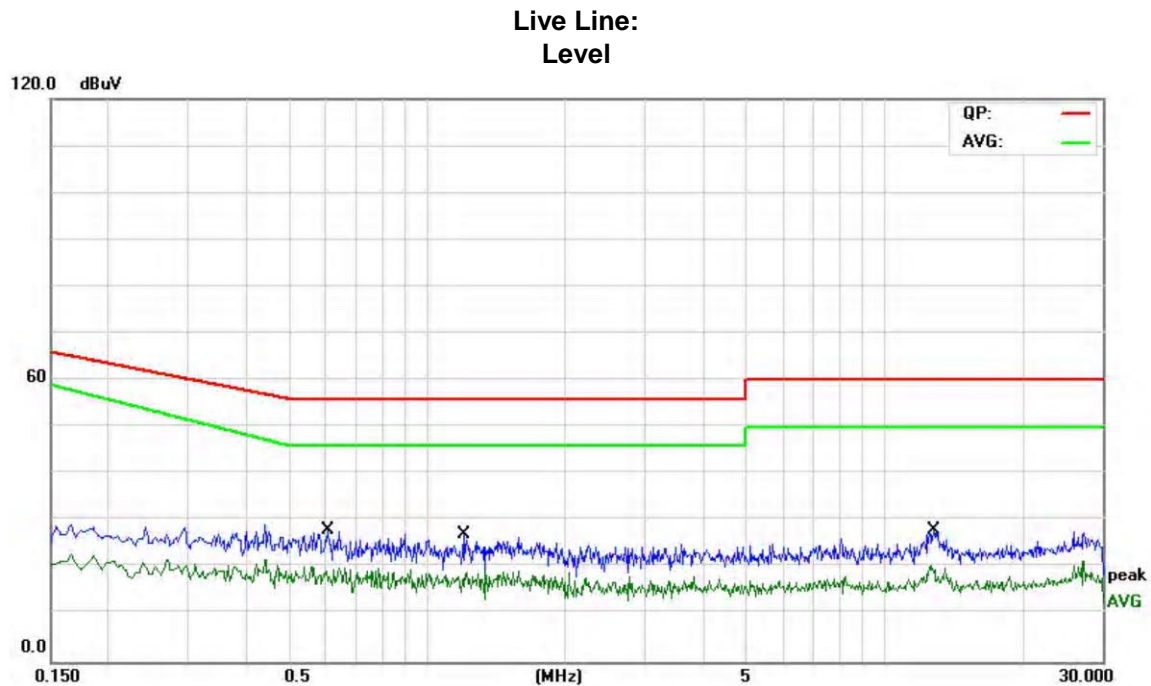
1. The mains terminal disturbance voltage was measured with the EUT in a shielded room.
2. The EUT was connected to AC power source through a LISN (Line Impedance Stabilization Network) which provides a $(50 \mu\text{H} + 5 \Omega) \parallel 50 \Omega$ linear impedance. The power cables of all other 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

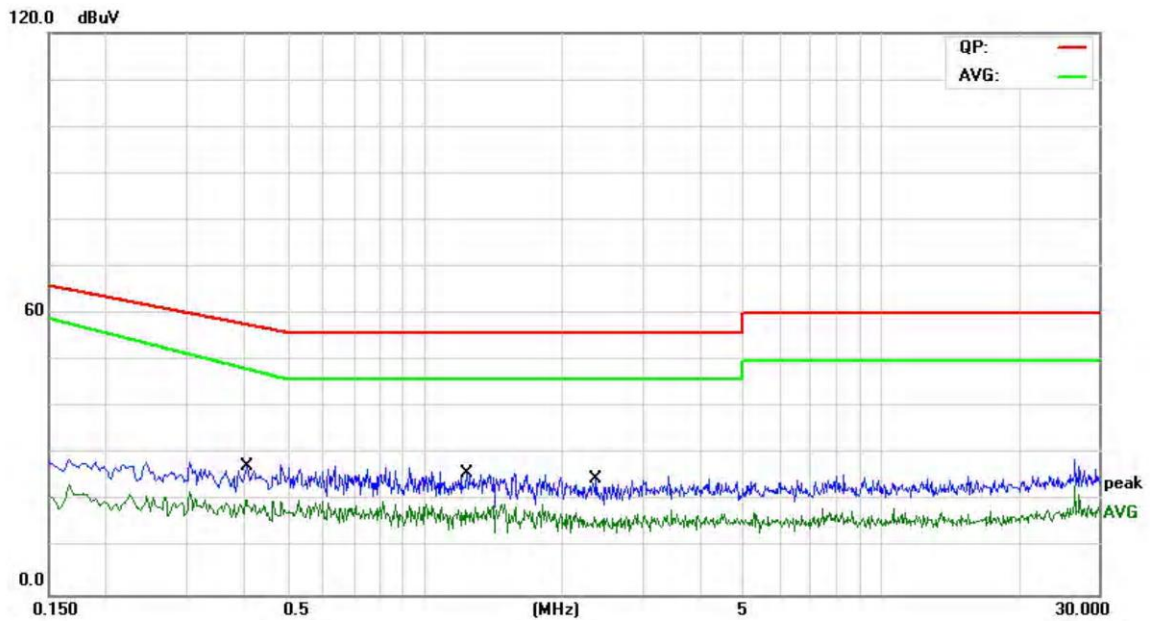
$U_{lab}(cond) = 1.8dB$ at 95% level of confidence, $k=2$

4.1.4 Results -Measurement Data



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.6060	11.04	9.73	20.77	56.00	-35.23	QP
2	*	0.6060	7.55	9.73	17.28	46.00	-28.72	AVG
3		1.1980	9.22	9.69	18.91	56.00	-37.09	QP
4		1.1980	6.11	9.69	15.80	46.00	-30.20	AVG
5		12.7980	13.24	9.92	23.16	60.00	-36.84	QP
6		12.7980	5.58	9.92	15.50	50.00	-34.50	AVG

**Neutral Line:
Level**



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	0.4100	11.57	9.76	21.33	57.65	-36.32	QP
2	0.4100	8.06	9.76	17.82	48.14	-30.32	AVG
3	1.2380	9.30	9.70	19.00	56.00	-37.00	QP
4 *	1.2380	6.06	9.70	15.76	46.00	-30.24	AVG
5	2.3780	8.68	9.88	18.56	56.00	-37.44	QP
6	2.3780	4.09	9.88	13.97	46.00	-32.03	AVG

Test Report No.: EFSH19111063-IE-01-E01-A2

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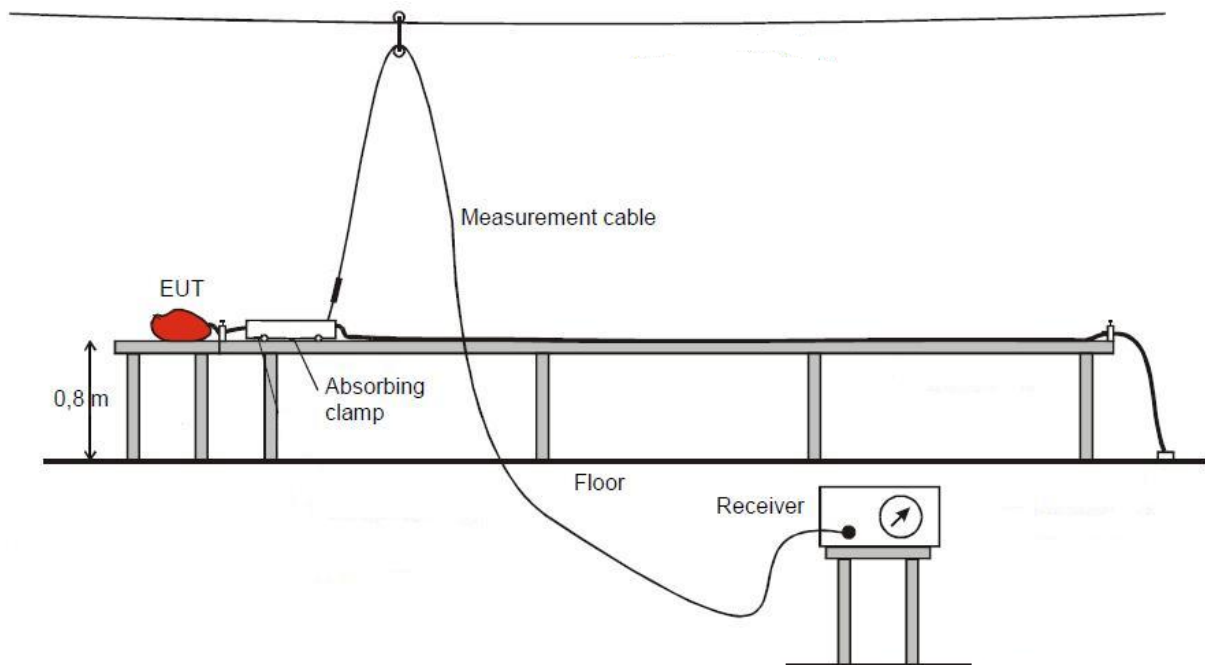
4.2 Disturbance power

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

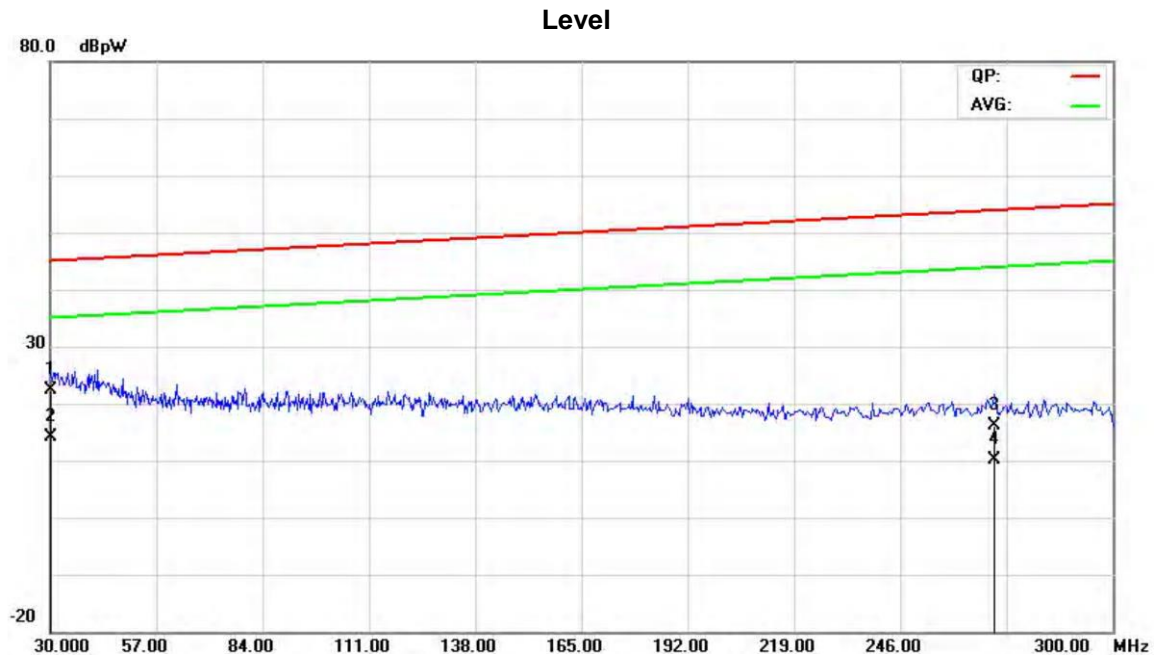


The test configuration corresponds to the standard EN IEC 55014-1. The equipment under test is placed on a non metallic table with 0,8 m high. The lead to be measured is stretched horizontally in a straight line, to permit variation in position of the absorbing clamp along the lead to find the maximum 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%, $k=2$

4.2.4 Results



No.	Mk.	Freq. MHz	Reading Level dBpW	Correct Factor dB	Measure- ment dBpW	Limit dBpW	Over dB	Detector
1		30.4000	-3.82	26.09	22.27	45.01	-22.74	QP
2	*	30.4000	-11.88	26.09	14.21	35.01	-20.80	AVG
3		269.9200	-3.93	20.03	16.10	53.89	-37.79	QP
4		269.9200	-9.88	20.03	10.15	43.89	-33.74	AVG

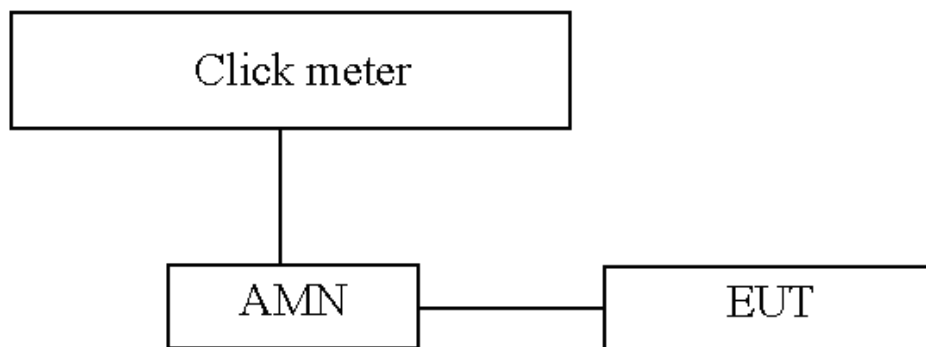
4.3 Discontinuous disturbance

Switching operations in thermostatically controlled appliances, automatic programme controlled machines and other electrically controlled or operated appliances generate discontinuous disturbance.

4.3.1 Limits

Frequency range MHz	Limit dB (μ V)
0.15	66
0.5	56
1.4	56
30	60

4.3.2 Measurement procedure



The test configuration is contained inside of a shielded chamber. Receiver compliance to CISPR 16-1-1 with time domain function used during measurement. EUT arrangement was follow EN 55014-1 clause 5.3.3. Operation conditions were follow EN 55014-1 clause 7. 0.15MHz, 0.5MHz, 1.4MHz and 30MHz were spot checked, and upper quartile methods used during measurement. The final judgment of test result was according to figure 6 of EN 55014-1.

4.3.3 Results

Frequency (MHz)	0.15	0.5	1.4	30.0
Permitted limit for continuous interference dB(μ V)	66.0	56.0	56.0	60.0
Counted click/switch operation number	22	21	20	1
Observed time (min)	120	120	120	120
Click duration (ms)	<10ms	<10ms	<10ms	<10ms
Click rate N	<5	<5	<5	<5
Test result	Pass	Pass	Pass	Pass
Note: The click rate is less than 5, and the click duration is less than 10ms. So it is deemed to comply with limits.				

4.4 Harmonic Current Emissions

This part deals with the limitation of harmonic currents injected into the public supply system.

4.4.1 Limits

Table 1 – Limits for Class A equipment

Harmonic order <i>h</i>	Maximum permissible harmonic current A
Odd harmonics	
3	2,30
5	1,14
7	0,77
9	0,40
11	0,33
13	0,21
$15 \leq h \leq 39$	$0,15 \frac{15}{h}$
Even harmonics	
2	1,08
4	0,43
6	0,30
$8 \leq h \leq 40$	$0,23 \frac{8}{h}$

Table 2 – Limits for Class C equipment ^a

Harmonic order <i>h</i>	Maximum permissible harmonic current expressed as a percentage of the input current at the fundamental frequency %
2	2
3	27 ^b
5	10
7	7
9	5
$11 \leq h \leq 39$ (odd harmonics only)	3
^a For some Class C products, other emission limits apply (see 7.4). ^b The limit is determined based on the assumption of modern lighting technologies having power factors of 0,90 or higher.	

Table 3 – Limits for Class D equipment

Harmonic order <i>h</i>	Maximum permissible harmonic current per watt mA/W	Maximum permissible harmonic current A
3	3,4	2,30
5	1,9	1,14
7	1,0	0,77
9	0,5	0,40
11	0,35	0,33
$13 \leq h \leq 39$ (odd harmonics only)	$\frac{3,85}{h}$	See Table 1

Limits for Class A equipment:

For Class A equipment, the harmonics of the input current shall not exceed the values given in Table 1

Limits for Class B equipment:

For Class B equipment, the harmonics of the input current shall not exceed the values given in Table 1 multiplied by a factor of 1,5.

Limits for Class C equipment:

Rated power > 25 W:

For luminaires with incandescent lamps and built-in phase control dimming having a rated power greater than 25W, the harmonics of the input current shall not exceed the limits given in Table 1.

For any other lighting equipment having a rated power greater than 25W, the harmonics of the input current shall not exceed the relative limits given in Table 2.

Rated power ≥ 5 W and ≤ 25 W:

Lighting equipment having a rated power greater than or equal to 5 W and less than or equal to 25 W shall comply with one of the following three sets of requirement:

- The harmonic currents shall not exceed the power-related limits of Table 3, column 2.

Or

- The third harmonic current, expressed as a percentage of the fundamental current, shall not exceed 86 % and the fifth harmonic current shall not exceed 61 %. In addition, the waveform of the input current shall be such that it reaches the 5 % current threshold before or at 60°, has its peak value before or at 65° and does not fall below the 5 % current threshold before 90°, referenced to any zero crossing of the fundamental supply voltage. The current threshold is 5 % of the highest absolute peak value that occurs in the measurement window, and the phase angle measurements are made on the cycle that includes this absolute peak value.

Or

- The THD shall not exceed 70%. The third order harmonic current, expressed as a percentage of the fundamental current, shall not exceed 35%, the fifth order current shall not exceed 25%, the seventh order current shall not exceed 30%, the ninth and eleventh order currents shall not exceed 20% and the second order current shall not exceed 5%.

Limits for Class D equipment:

For Class D equipment, the input current at harmonic frequencies shall not exceed the values given in

Test Report No.: EFSH19111063-IE-01-E01-A2

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Table 3.

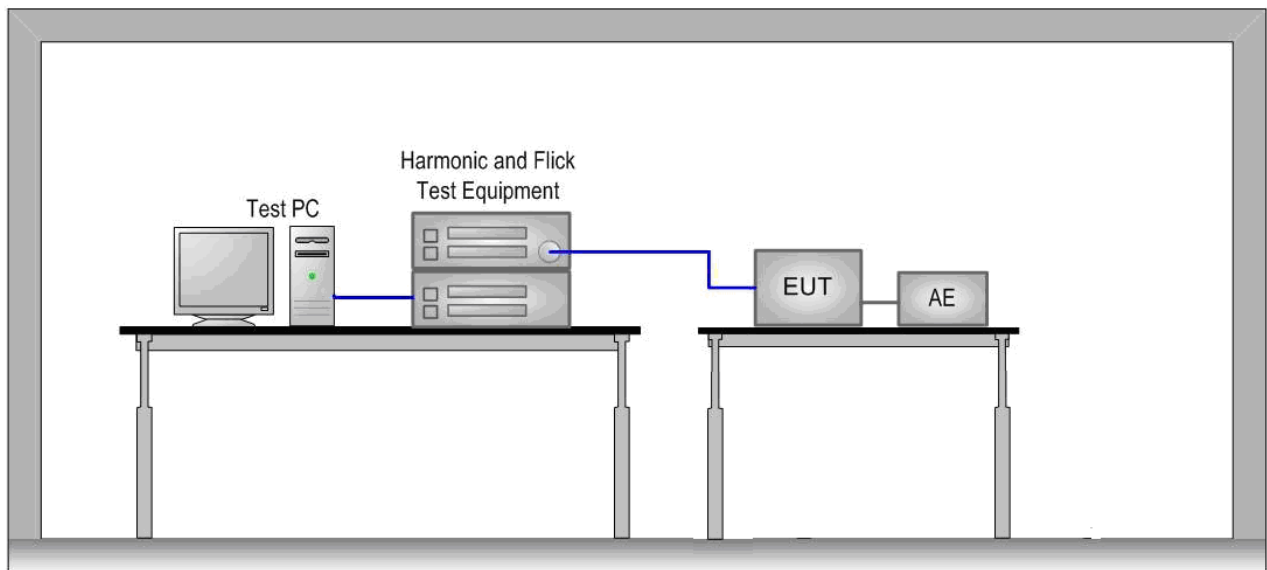
Test Report No.: EFSH19111063-IE-01-E01-A2

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For the following categories of equipment, limits are not specified:

- Lighting equipment with a rated power less than but not equal to 5W;
- Equipment with rated power of 75 W or less, other than lighting equipment;
- Professional equipment with a total rated power greater than 1 kW;
- Symmetrically controlled heating elements with a rated power less than or equal to 200 W;
- Independent phase control dimmers with a rated power less than or equal to 1 kW when operating incandescent lamps, or with a rated power less than or equal to 200 W for trailing edge dimmers when operating lighting equipment other than incandescent lamps, or with a rated power less than or equal to 100 W for leading edge dimmers when operating lighting equipment other than incandescent lamps.

4.4.2 Measurement procedure



The equipment under test is placed on a wooden table with a height of 0,8 m in the EMC lab.

For each harmonic order, measure the 1,5 s smoothed RMS harmonic current in each DFT time window

and calculate the arithmetic average of the measured values from the DFT time windows, over the entire observation period.

The average values for the individual harmonic currents, taken over the entire test observation period shall be less than or equal to the applicable limits.

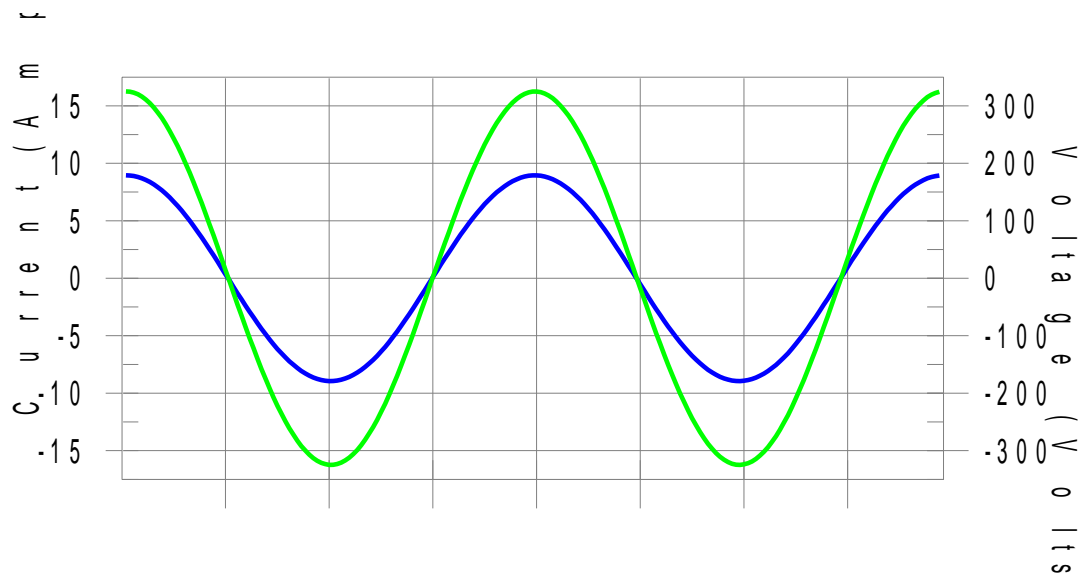
For each harmonic order, all 1.5 s smoothed RMS harmonic current values shall be either:

- a) Less than or equal to 150% of the applicable limits, or
- b) Less than or equal to 200% of the applicable limits under the following conditions:
 - 1) The EUT belongs to Class A for harmonics,
 - 2) The excursion beyond 150% of the applicable limits lasts less than 10% of the test observation period or in total 10 min, whichever is smaller, and
 - 3) The average value of the harmonic current, taken over the entire test observation period, is less than 90% of the applicable limits.

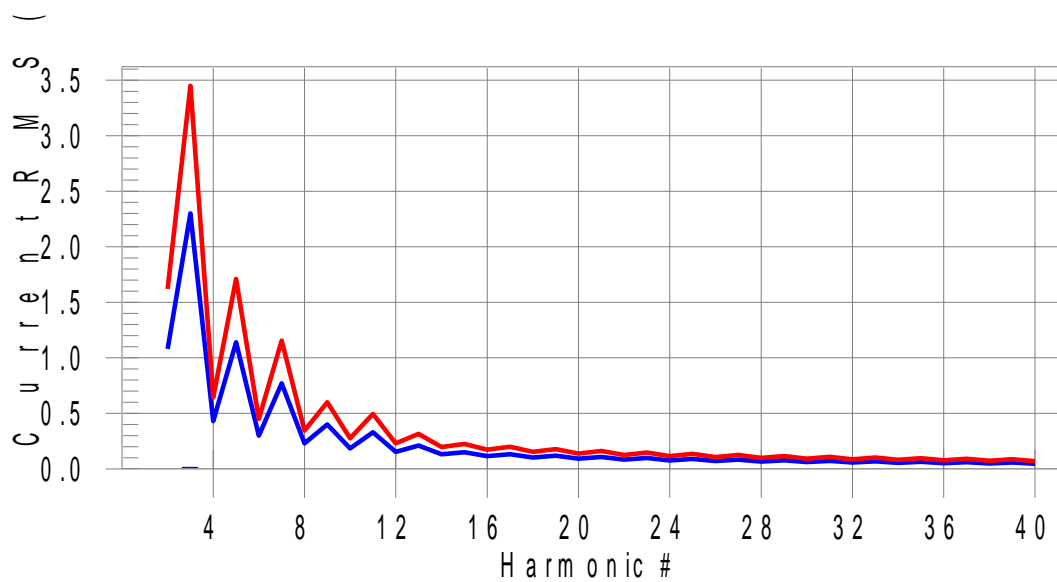
4.4.3 Results

Harmonic

Test Result: Pass **Source qualification: Normal**
Current & voltage waveforms



Harmonics and Class A limit line European Limits



Test result: Pass **Worst harmonic was #0 with 0.00% of the limit.**

Current Test Result Summary

Test Result: Pass Source qualification: Normal
 THC(A): 0.00 I-THD(%): 0.00 POHC(A): 0.000 POHC Limit(A): 0.320

Highest parameter values during test:

V_RMS (Volts): 229.87	Frequency(Hz): 50.00
I_Peak (Amps): 8.956	I_RMS (Amps): 6.332
I_Fund (Amps): 6.308	Crest Factor: 1.416
Power (Watts): 1449.7	Power Factor: 1.000

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.08	Pass
3	0.014	2.300	0.0	0.014	3.450	0.41	Pass
4	0.001	0.430	0.0	0.002	0.645	0.30	Pass
5	0.001	1.140	0.0	0.002	1.710	0.10	Pass
6	0.000	0.300	0.0	0.001	0.450	0.12	Pass
7	0.001	0.770	0.0	0.001	1.155	0.12	Pass
8	0.001	0.230	0.0	0.001	0.345	0.17	Pass
9	0.001	0.400	0.0	0.001	0.600	0.17	Pass
10	0.001	0.184	0.0	0.001	0.276	0.26	Pass
11	0.001	0.330	0.0	0.001	0.495	0.16	Pass
12	0.000	0.153	0.0	0.000	0.230	0.14	Pass
13	0.000	0.210	0.0	0.000	0.315	0.10	Pass
14	0.000	0.131	0.0	0.000	0.197	0.23	Pass
15	0.001	0.150	0.0	0.001	0.225	0.30	Pass
16	0.000	0.115	0.0	0.000	0.173	0.25	Pass
17	0.001	0.132	0.0	0.001	0.199	0.40	Pass
18	0.000	0.102	0.0	0.001	0.153	0.34	Pass
19	0.001	0.118	0.0	0.001	0.178	0.42	Pass
20	0.000	0.092	0.0	0.000	0.138	0.36	Pass
21	0.001	0.107	0.0	0.001	0.161	0.41	Pass
22	0.000	0.084	0.0	0.000	0.125	0.22	Pass
23	0.001	0.098	0.0	0.001	0.147	0.48	Pass
24	0.000	0.077	0.0	0.000	0.115	0.14	Pass
25	0.001	0.090	0.0	0.001	0.135	0.50	Pass
26	0.000	0.071	0.0	0.000	0.106	0.18	Pass
27	0.001	0.083	0.0	0.001	0.125	0.47	Pass
28	0.000	0.066	0.0	0.000	0.099	0.23	Pass
29	0.000	0.078	0.0	0.001	0.116	0.49	Pass
30	0.000	0.061	0.0	0.000	0.092	0.28	Pass
31	0.001	0.073	0.0	0.001	0.109	0.57	Pass
32	0.000	0.058	0.0	0.000	0.086	0.29	Pass
33	0.000	0.068	0.0	0.001	0.102	0.55	Pass
34	0.000	0.054	0.0	0.000	0.081	0.18	Pass
35	0.001	0.064	0.0	0.001	0.096	0.61	Pass
36	0.000	0.051	0.0	0.000	0.077	0.15	Pass
37	0.000	0.061	0.0	0.000	0.091	0.51	Pass
38	0.000	0.048	0.0	0.000	0.073	0.17	Pass
39	0.000	0.058	0.0	0.001	0.087	0.63	Pass
40	0.000	0.046	0.0	0.000	0.069	0.27	Pass

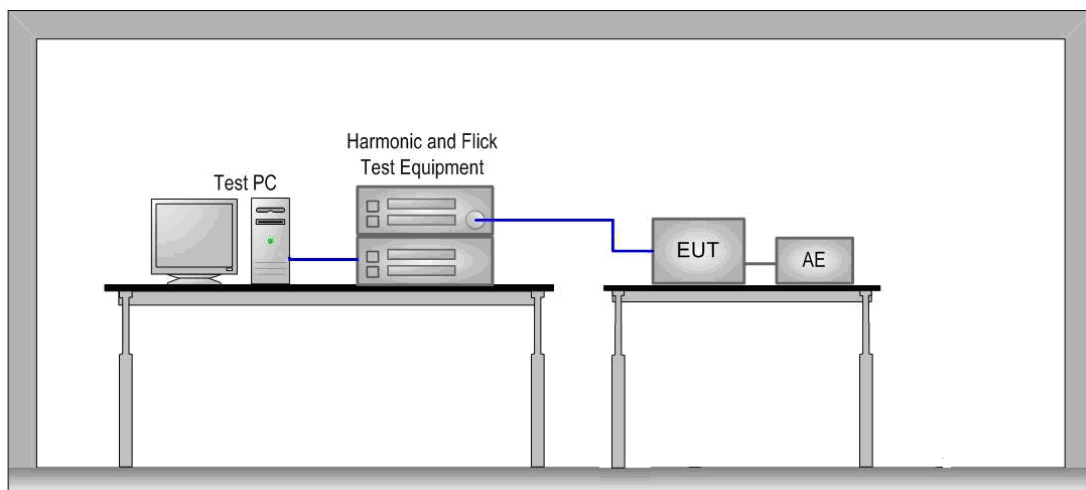
4.5 Voltage Changes, Voltage Fluctuations and Flicker

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

4.5.1 Limits

Value	Limit
Pst	1,0
Plt	0,65
dt	3,3%
dc	3,3%
dmax	4,0%

4.5.2 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.

4.5.3 Results

Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.89		
Time(mS) > dt:	0.0	Test limit (mS):	500.0 Pass
Highest dc (%):	1.24	Test limit (%):	3.30 Pass
Highest dmax (%):	1.25	Test limit (%):	4.00 Pass
Highest Pst (10 min. period):	0.463	Test limit:	1.000 Pass

5 Test Setup Photos

Harmonic & Flicker



Conducted Emission & Click



Disturbance power



6 EUT Photos

Photo 1.
Overall view of PP-007A



Photo 2.
Internal view of PP-007A

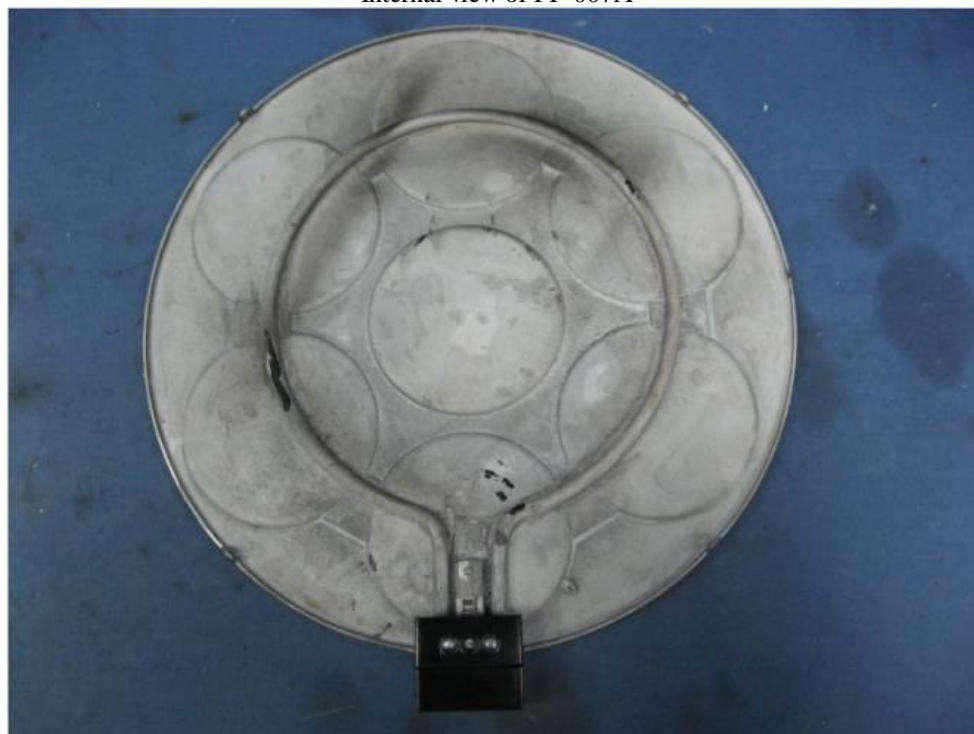


Photo 3.
Overall view of PP-007B



Photo 4.
Internal view of PP-007B

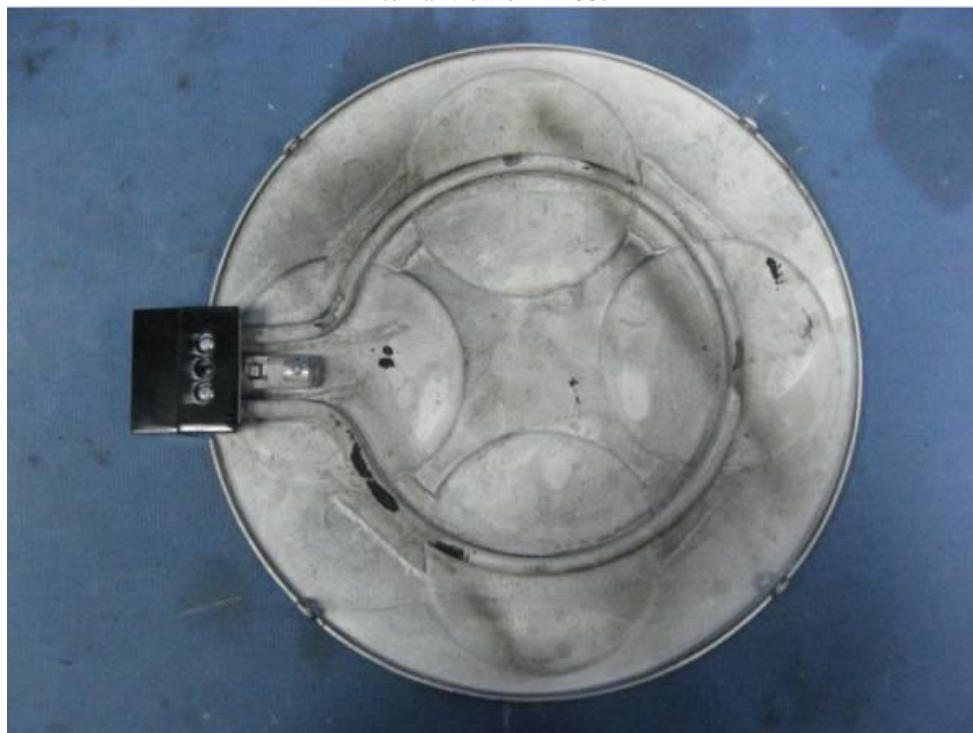


Photo 5.
Appliance coupler view of PP-007A and PP-007B



Photo 6.
Appliance coupler inner view



Photo 7.
Overall view of PP-018-1.5 and PP-018-2



Photo 8.
Internal view of PP-018-1.5 and PP-018-2

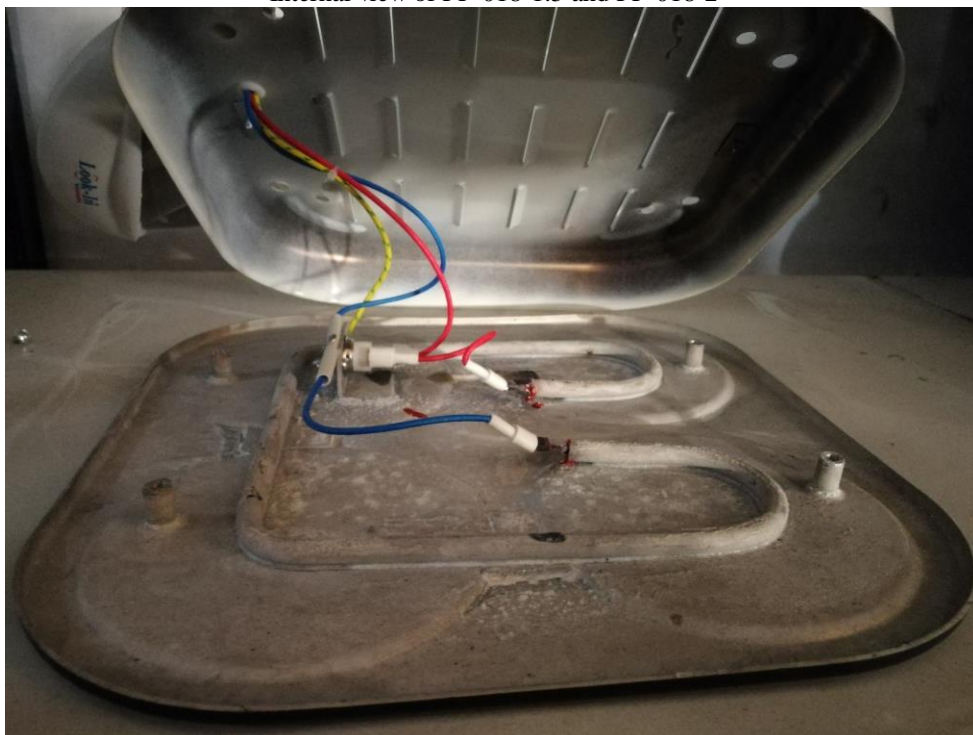


Photo 9.
Overall view of PP-017-1.5 and PP-017-2



Photo 10.
Internal view of PP-017-1.5 and PP-017-2

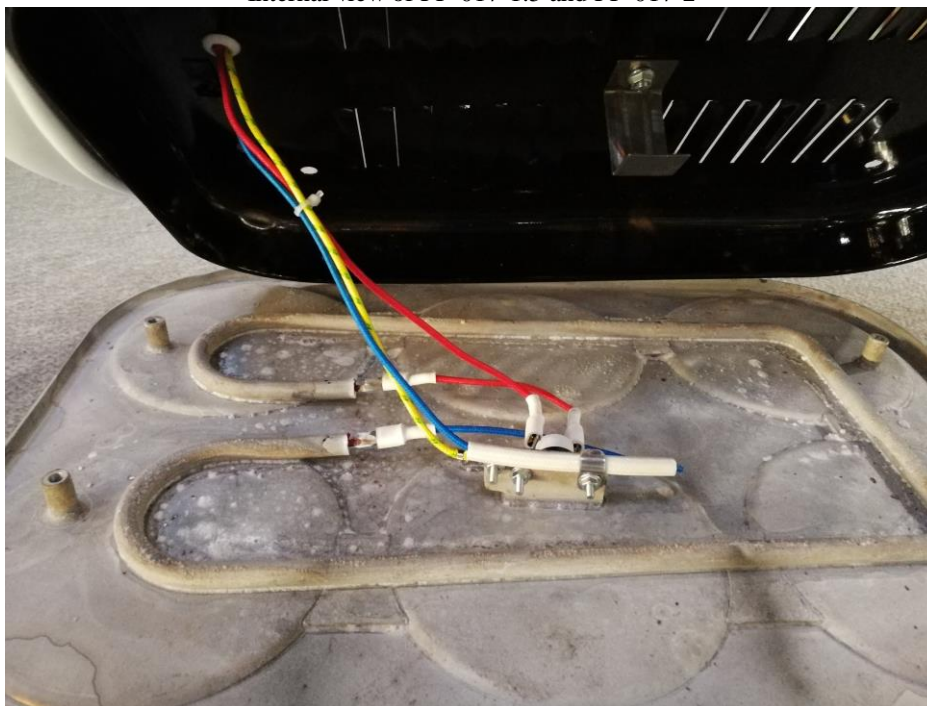


Photo 11.
Overall view of PP-016-1.5 and PP-016-2



Photo 12.
Internal view of PP-016-1.5 and PP-016-2

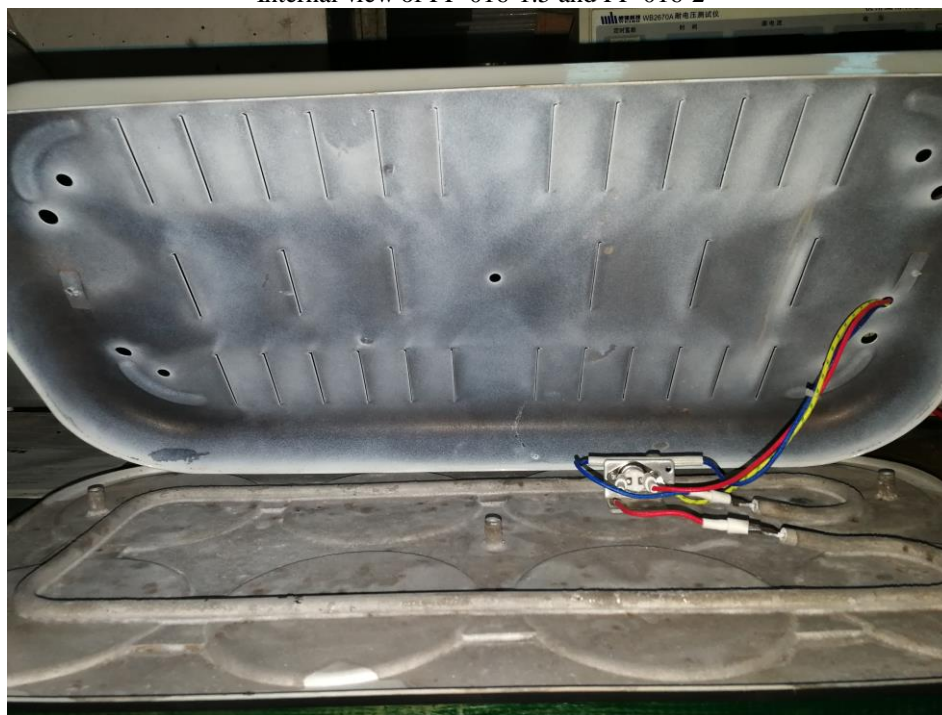


Photo 13.
Overview for PP-007C



Photo 14.
Overview for PP-007D



Amendment 1

Photo 1

Description: View for wiring terminals for heating element of PP-016 series, PP-017 series, PP-018 series



Amendment 2 photo

Description: Overview of PP-016A



7 Amendment 1

The test report ref. No. EFSH19111063-IE-01-E01 dated 2019-12-16, was modified on 2021-04-27 to include the following changes and/or additions:

1. Update technical standard to “EN 55014-1:2017+A11:2020”.
2. Update technical standard to “EN IEC 61000-3-2: 2019”.
3. Update technical standard to “EN 61000-3-3: 2013+A1: 2019”.
4. Change name of approval holder to
5. Add alternative shape of wiring terminals for heating element of PP-016 series, PP-017 series, PP-018 series.

After review, no additional test needs to be performed.

Original test report ref. No. EFSH19111063-IE-01-E01 was replaced by test report No. EFSH19111063-IE-01-E01-A1.

8 Amendment 2

The test report ref. No. EFSH19111063-IE-01-E01-A1 dated 2021-04-27, was modified on 2022-09-02 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”.
4. Update technical standard to “EN 61000-3-3: 2013+A1: 2019+A2: 2021”.
5. Add a new model PP-016A, which is identical with series model PP-016 except the shape of crepe pan.

After review, no additional test needs to be performed.

Original test report ref. No. EFSH19111063-IE-01-E01-A1 was replaced by test report No. EFSH19111063-IE-01-E01-A2.