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Report No.: UC2204067601-E

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EMC TEST REPORT

Application No:	UC2204067601-E
Applicant:	ANHUI HONYI INTERNATIONAL CORP.
Address of Applicant:	Room B-2106, Business Office Building, Woye Garden, Ganquan Road, Shushan District, Hefei City, Anhui Province, China
Product Name:	Gen 4 Brewzilla with Pump
Product Description:	Gen 4 Brewzilla with Pump
Model No.:	KL27434
Standards:	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
Date of Receipt:	2022-04-07
Date of Test:	2022-04-11 to 2022-04-18
Date of Issue:	2022-04-21
Test Result:	Pass*

* In the configuration tested, the EUT (Equipment Under Test) complied with the standards specified above.

For and on behalf of
Foshan UC Testing Lab.

Test By:

Penny Win
Project Manager

Approval By:



Aaron Zhou
Lab Manager

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.





1 Test Summary

Electromagnetic Interference (EMI)				
Test	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission on AC (150kHz to 30MHz)	EN IEC 55014-1:2021	EN IEC 55014-1:2021	Table 1 Columns 2&3	PASS
Disturbance Power (30MHz to 300MHz)	EN IEC 55014-1:2021	EN IEC 55014-1:2021	Table 2a, Table 2b Columns 2&3 ♀	PASS
Discontinuous Disturbance (150kHz-30MHz)	EN IEC 55014-1:2021	EN IEC 55014-1:2021	Table 7 & Table 8	PASS
Harmonic Emission on AC	EN IEC 61000-3-2: 2019+A1:2021	EN IEC 61000-3-2: 2019+A1:2021	Class A	PASS
Flicker Emission on AC	EN 61000-3-3:2013 +A1:2019	EN 61000-3-3:2013 +A1:2019	Clause 5 of EN 61000-3-3	PASS
Electromagnetic Susceptibility(EMS)				
Test	Test Requirement	Test Method	Class / Severity	Result
Electrostatic Discharge (ESD)	EN IEC 55014-2:2021	EN 61000-4-2:2009	Contact ±4 kV Air ±8 kV	PASS
Electrical Fast Transients (EFT) on AC	EN IEC 55014-2:2021	EN 61000-4-4:2012	AC ± 0.5kV & ± 1.0kV	PASS
Surge Immunity on AC	EN IEC 55014-2:2021	EN 61000-4-5:2014	±1kV D.M.†	PASS
Injected Currents on AC (150kHz to 230MHz)	EN IEC 55014-2:2021	EN 61000-4-6:2014	3V r.m.s (emf), 80% 1kHz Amp. Mod.	PASS
Voltage Dips and Interruptions on AC	EN IEC 55014-2:2021	EN 61000-4-11:2004	0 % U_T^* for 0.5per 40 % U_T^* for 10per 70 % U_T^* for 25per 0 % U_T^* for 0.5per 40 % U_T^* for 12per 70 % U_T^* for 30per	PASS
Remark :				
* U_T is the nominal supply voltage.				
† D.M. – Differential Mode.				
♀ Disturbance Power test is applied to the EUT only since:				
1) All the measurement result are lower than the applicable limits (Table 2a) minus the corresponding margin (Table 2b); or the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector.				
2) No clock frequency or oscillator frequency of the EUT is more than or equal to 30 MHz.				



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3 General Information

3.1 Client Information

Applicant: ANHUI HONYI INTERNATIONAL CORP.
Address of Applicant: Room B-2106, Business Office Building, Woye Garden, Ganquan Road, Shushan District, Hefei City, Anhui Province, China
Manufacturer: ANHUI HONYI INTERNATIONAL CORP.
Address of Manufacturer: Room B-2106, Business Office Building, Woye Garden, Ganquan Road, Shushan District, Hefei City, Anhui Province, China

3.2 General Description of E.U.T.

Product Description: Gen 4 Brewzilla with Pump
Test Model No.: KL27434
Rating: 220-240V~, 50/60Hz, 2400W

3.3 Details of E.U.T.

Power Supply: AC 220-240V, 50/60Hz
Power Cable: 1.8m x 3 wires unshielded AC mains cable.

3.4 Description of Support Units

The EUT has been tested as an independent unit.

3.5 Deviation from Standards

N/A

3.6 Abnormalities from Standard Conditions

N/A

3.7 Monitoring of EUT for All Immunity Test

Working.

3.8 Test Location

All tests were performed at:
Guangzhou Customs District Technology Center
No.3, Desheng East Road, Shunde Daliang, Foshan, Guangdong, China

3.9 Test Facility

USA	FCC Listed Lab No. 597719
China	CNAS NO.L2322



4 Equipment Used during Test

List of Test Site and Instruments						
Test Site						
No.	Asset No.	Model/Type	Manufacturer	Description	Cal. due date	Used
1	201044CK0128-2	NP-HJ2	Changzhou Nanping	Shielding Room	2022.12.27	√
2	/	10m*6m*3m	/	Measurement Room	/	√
Test Instrument						
No.	Asset No.	Model/Type	Manufacturer	Description	Cal. due date	Used
1	201644CK0028	ESR3	Rohde & Schwarz	EMI Receiver	2022.07.26	√
2	201044CK0123	L3-32	PMM	LISN	2022.12.16	√
3	201644CK0028-1	ESH3-Z2	Rohde & Schwarz	10dB Pulse Limiter	2022.07.26	√
4	201644CK0026	MDS-21	Rohde & Schwarz	Power Absorbing Clamp	2022.12.14	√
5	202044CK0016	DDA55+	AFJ	Click Analyser	2022.07.26	√
6	0944BK2166SD	WT3000-HAR	YOKOGAWA	Precision Power Analyzer	2022.12.27	√
7	1544BK0009SD	SIII-45KVA	Sophpower	Programmable Liner AC Source	2022.12.27	√
8	202144CK0002	EDS30V	3ctest	ESD Generator	2022.12.18	√
9	1444BK0017SD	NSG3060 (FTM3425)	Teseq	EFT/Burst Module	2022.07.22	√
10	1444BK0017SD	NSG3060 (CWM3650)	Teseq	Combination Wave Module	2022.07.22	√
11	1344BK0015SD	NSG4070	Teseq	Injected Current Test System	2022.12.16	√
12	1344BK0020SD	ATN 6075	Teseq	6dB Attenuator	2022.12.16	√
13	1344BK0018SD	CDN M532	Teseq	CDN	2022.12.16	√
Remark: 1. The Symbol "√" means the spot was used in the test. 2. During the testing, all used spots and instruments were in the value calibrating date.						



5 Electromagnetic Interference Test Results

5.1 Conducted Emissions on Mains Terminals, 150 kHz to 30MHz

Test Requirement: EN IEC 55014-1
Test Method: EN IEC 55014-1
Frequency Range: 150KHz to 30MHz
Detector: Peak for pre-scan
Quasi-Peak or (and) Average for final measurement

Limit:

Frequency range MHz	At mains terminals dB (µV)	
	Quasi-peak	Average
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 0.50 MHz.
Note2: The lower limit is applicable at the transition frequency.

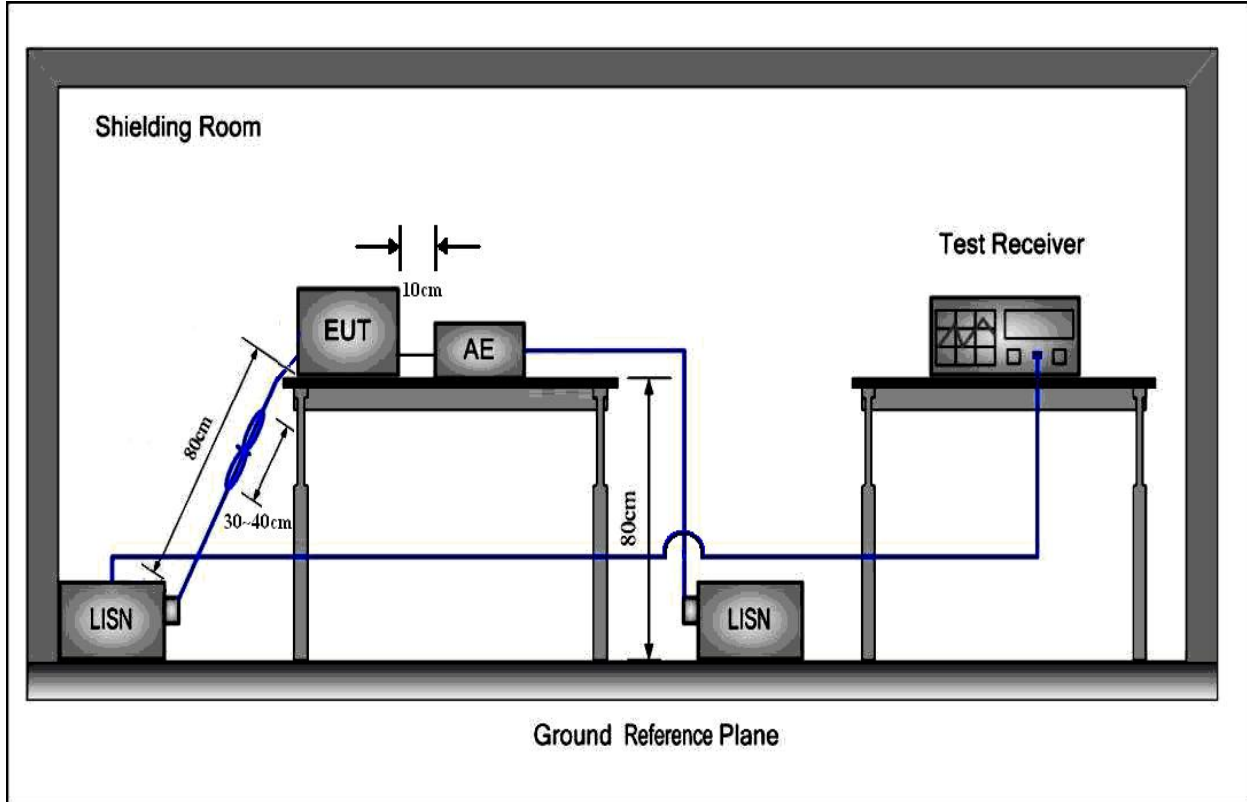
5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

Test Mode: a: Test the EUT in heating mode.

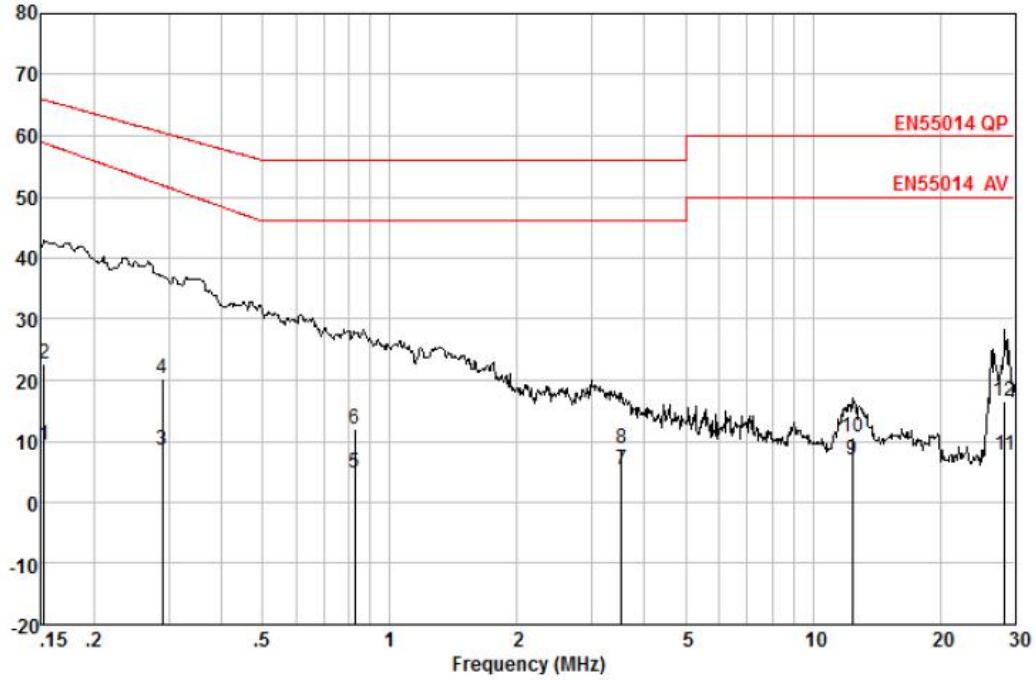
5.1.2 Test Setup and Procedure





5.1.3 Measurement Data

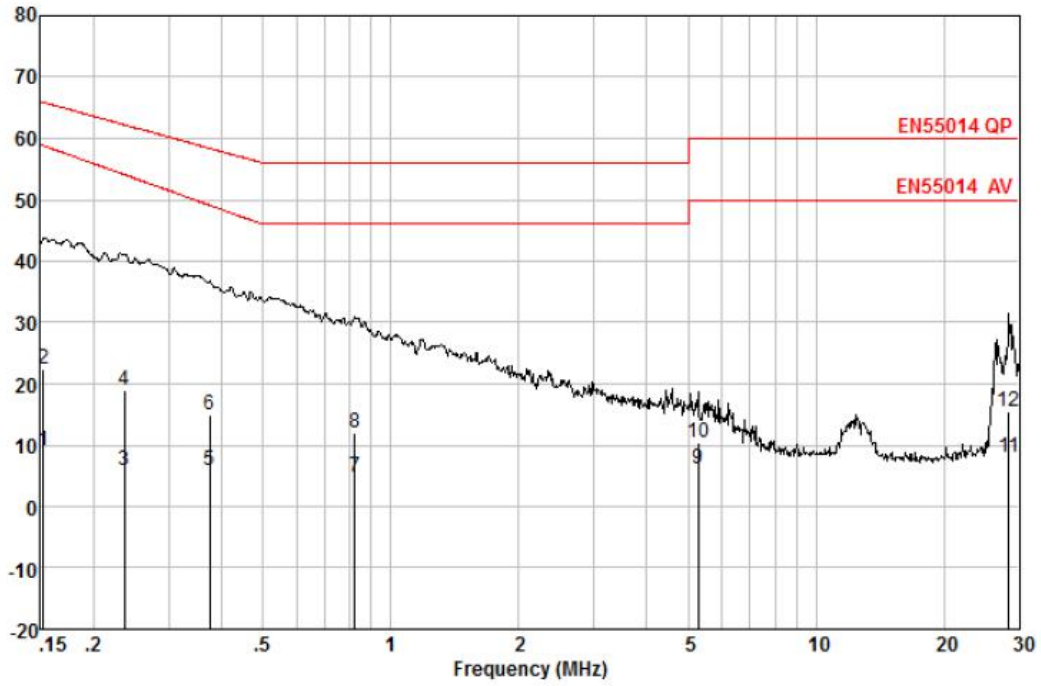
Live Line
Level (dBμV)



Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.152	8.28	0.83	0.10	9.21	58.83	-49.62	Average
0.152	21.62	0.83	0.10	22.55	65.87	-43.32	QP
0.289	7.89	0.69	0.00	8.58	51.91	-43.33	Average
0.289	19.57	0.69	0.00	20.26	60.54	-40.28	QP
0.826	4.40	0.43	0.01	4.84	46.00	-41.16	Average
0.826	11.45	0.43	0.01	11.89	56.00	-44.11	QP
3.528	5.01	0.31	0.09	5.41	46.00	-40.59	Average
3.528	8.39	0.31	0.09	8.79	56.00	-47.21	QP
12.384	6.44	0.21	0.28	6.93	50.00	-43.07	Average
12.384	10.08	0.21	0.28	10.57	60.00	-49.43	QP
28.452	7.16	0.04	0.42	7.62	50.00	-42.38	Average
28.452	15.99	0.04	0.42	16.45	60.00	-43.55	QP



Neutral Line
Level (dB μ V)



Freq MHz	Read Level dB μ V	LISN Factor dB	Cable Loss dB	Level dB μ V	Limit Line dB μ V	Over Limit dB	Remark
0.152	8.28	0.81	0.10	9.19	58.83	-49.64	Average
0.152	21.62	0.81	0.10	22.53	65.87	-43.34	QP
0.237	5.12	0.72	0.00	5.84	54.08	-48.24	Average
0.237	18.19	0.72	0.00	18.91	62.22	-43.31	QP
0.375	5.35	0.44	0.00	5.79	49.10	-43.31	Average
0.375	14.47	0.44	0.00	14.91	58.39	-43.48	QP
0.822	4.31	0.55	0.01	4.87	46.00	-41.13	Average
0.822	11.43	0.55	0.01	11.99	56.00	-44.01	QP
5.277	5.46	0.41	0.20	6.07	50.00	-43.93	Average
5.277	9.87	0.41	0.20	10.48	60.00	-49.52	QP
28.452	7.49	0.11	0.42	8.02	50.00	-41.98	Average
28.452	14.99	0.11	0.42	15.52	60.00	-44.48	QP



5.2 Disturbance Power Test, 30MHz to 300MHz

Test Requirement: EN IEC 55014-1
Test Method: EN IEC 55014-1
Test voltage: AC 230V 50Hz
Frequency Range: 30MHz to 300MHz
Detector: Peak for pre-scan
Quasi-Peak and Average at frequency with maximum peak (120kHz resolution bandwidth)

Limit:

Table 2a, Columns 2&3 for household and similar appliances

Disturbance power limits for the frequency range 30 MHz to 300 MHz

Table with 3 columns: Frequency range (MHz), At mains terminals (dB (pW)) - Quasi-peak, and Average. Row 1: 30 to 300, 45 to 55, 35 to 45. Includes a note: Note1: The limit increases linearly with the frequency in the range 30 MHz to 300 MHz.

Table 2b, Columns 2&3 for household and similar appliances

Margin when performing disturbance power measurement in the frequency range 30 MHz to 300 MHz

Table with 3 columns: Frequency range (MHz), Margin (dB) - Quasi-peak, and Average. Row 1: 200 to 300, 0 to 10 dB, --. Includes notes: NOTE 1: Appliances are deemed to comply in the frequency range from 300 MHz to 1 000 MHz if both of the following conditions (1) and 2)) are fulfilled: 1) All the measurement result are lower than the applicable limits (Table 2a) minus the corresponding margin (Table 2b); or the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector. 2) No clock frequency or oscillator frequency of the EUT is more than or equal to 30 MHz. NOTE 2: The measured result at a particular frequency shall be less than the relevant limit minus the corresponding margin (at that frequency).

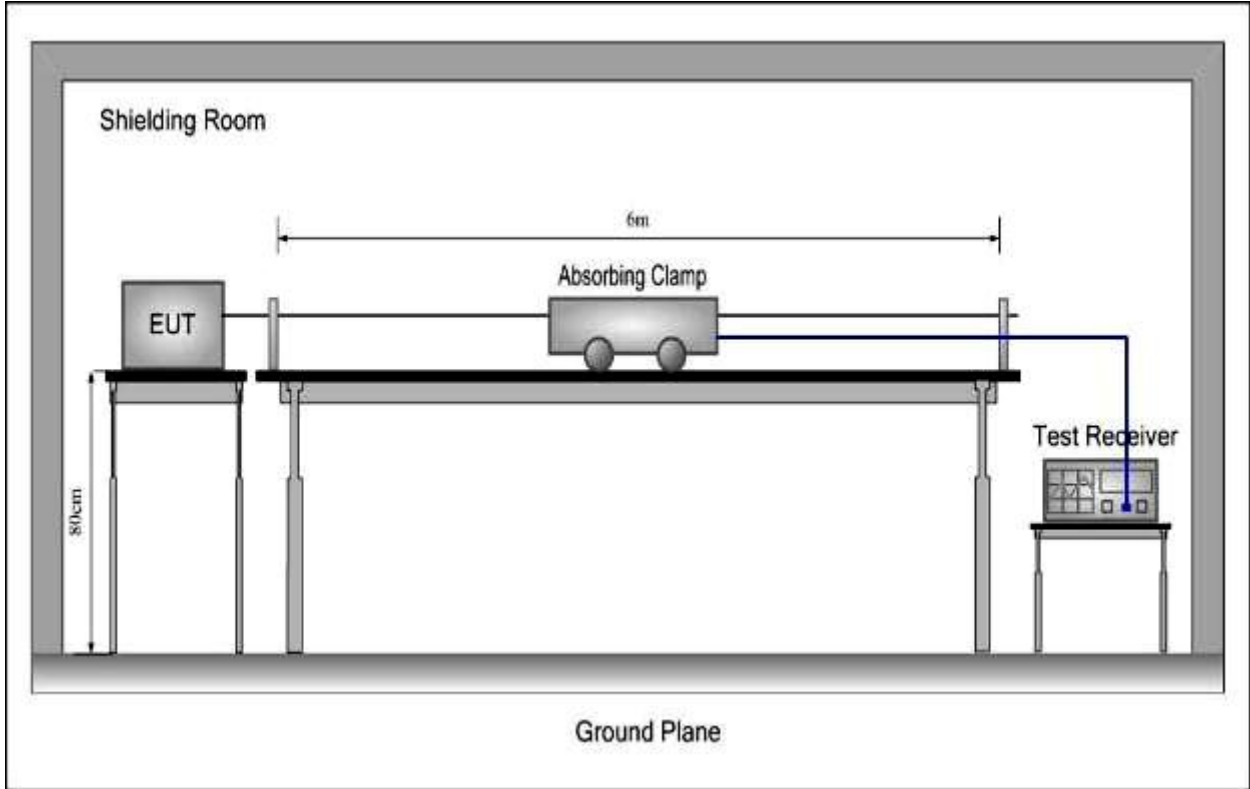
5.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

Test Mode: a: Test the EUT in heating mode.

5.2.2 Test Setup

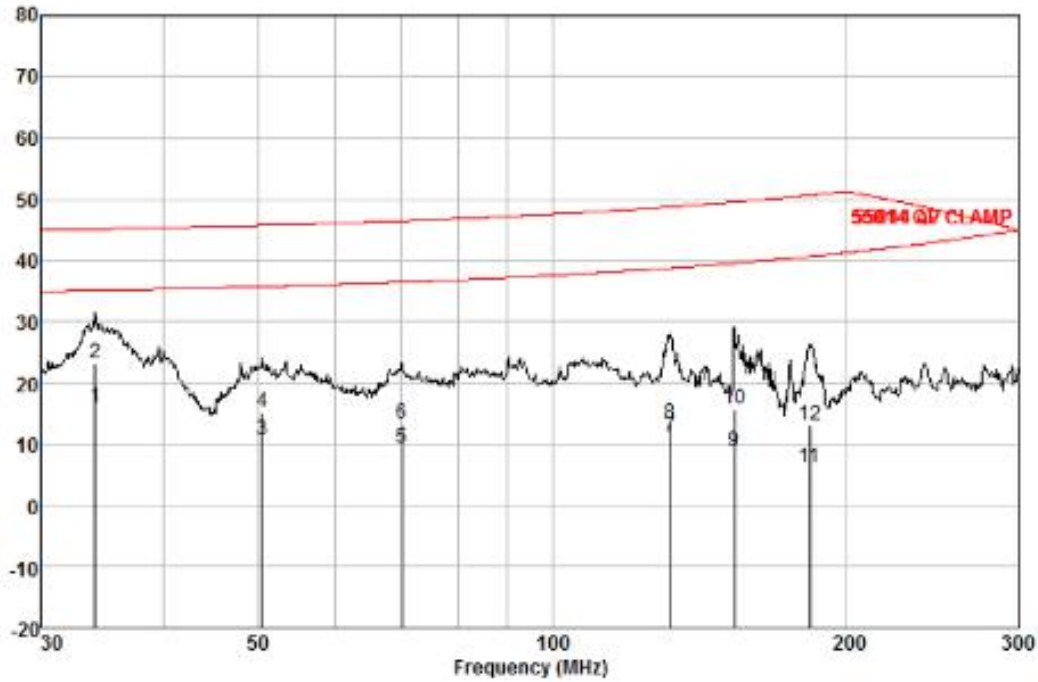




5.2.3 Measurement Data

Peak scan

Level (dBpW)



Frequency MHz	Read Level dBuV	Cable Loss dB	Clamp Factor dBpW/dBuV	Measured Level dBpW	Limit Line dBpW	Over limit dB	Remark
34.050	12.94	1.24	1.72	15.90	35.15	-19.25	Average
34.050	20.14	1.24	1.72	23.10	45.15	-22.05	QP
50.480	8.79	1.63	0.27	10.69	35.76	-25.07	Average
50.480	13.20	1.63	0.27	15.10	45.76	-30.66	QP
70.165	7.21	1.94	0.30	9.45	36.49	-27.04	Average
70.165	11.21	1.94	0.30	13.45	46.49	-33.04	QP
132.167	8.16	2.74	0.18	11.08	38.78	-27.70	Average
132.167	10.35	2.74	0.18	13.27	48.79	-35.52	QP
153.505	7.25	3.03	-1.43	8.85	39.57	-30.72	Average
153.505	14.22	3.03	-1.43	15.82	49.58	-33.76	QP
183.283	5.93	3.30	-3.13	6.10	40.68	-34.58	Average
183.283	12.97	3.30	-3.13	13.14	50.68	-37.54	QP

5.3 Discontinuous Disturbance (150kHz-30MHz)

Test Requirement: EN IEC 55014-1
Test Method: EN IEC 55014-1
Frequency Range: 150kHz to 30MHz
Limit:

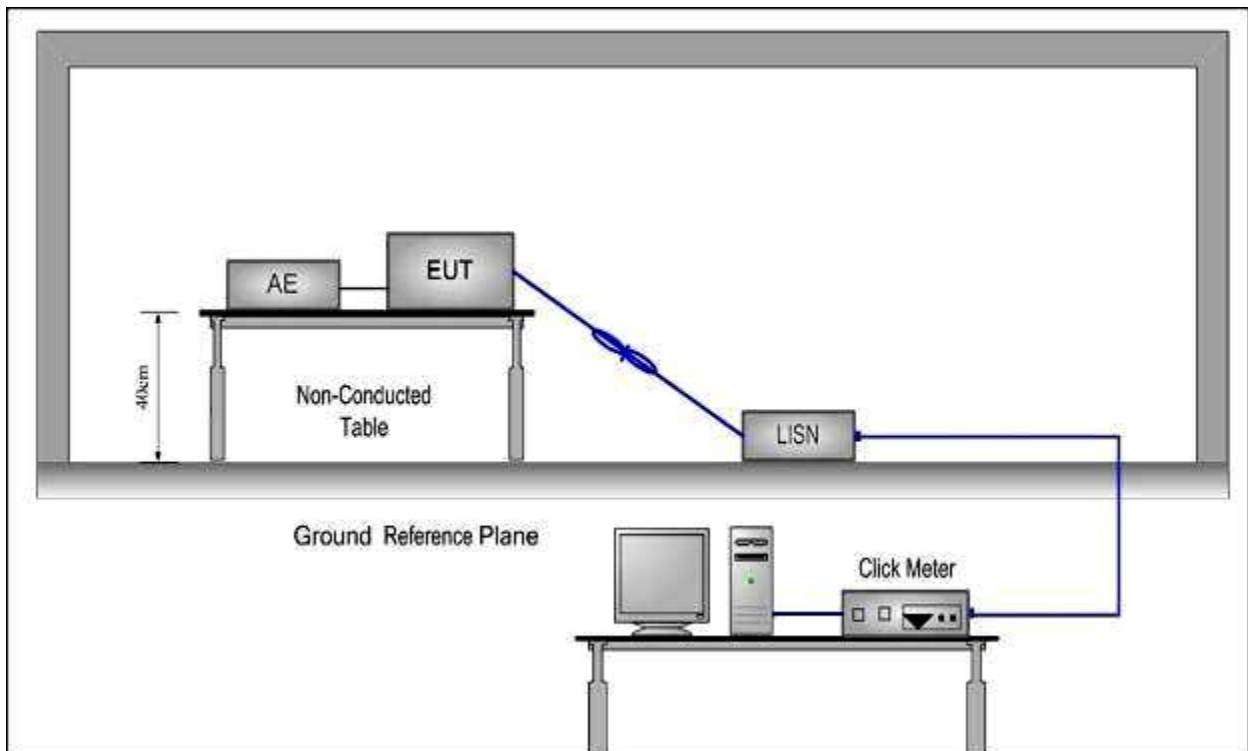
5.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 52 % RH Atmospheric Pressure: 1010 mbar

Test Mode: a: Test the EUT in heating mode.

5.3.2 Test Setup and Procedure





5.3.3 Measurement Data

Meas Duration	2:00:00	LISN Phase -		Attenuation [dB]	40
Overload	NO				
Frequency	150 kHz	500 kHz	1.4 MHz	30 MHz	
Clicks (< 10 ms)	20	18	0	0	
Clicks (10ms - 20ms)	0	0	0	0	
Clicks (> 20 ms)	0	0	0	0	
Click Rate [1/min]	0.17	0.15	0.15	0.15	
Continous Disturbances	0	0	0	0	
L [dBuV]	66	56	56	60	
Lq [dBuV]	110	100	100	104	
Clicks > Lq	0	0	0	0	
Clicks > Lq [%]	0	0	0	0	
Fridge Rules	0	0	0	0	
600 ms Rule used	NO	NO	NO	NO	
Overall Correction	.42	.32	.37	1.8	
Margin for PK Detector	0	0	0	0	
Result	PASSED	PASSED	PASSED	PASSED	

Conclusion:

The product meets the requirements of **Provision 1**.

5.4 Harmonics Test Result

Test Requirement: EN IEC 61000-3-2
Test Method: EN IEC 61000-3-2
Frequency Range: 100Hz to 2kHz
Measurement Time: 3 mins
Class / Severity: Class A

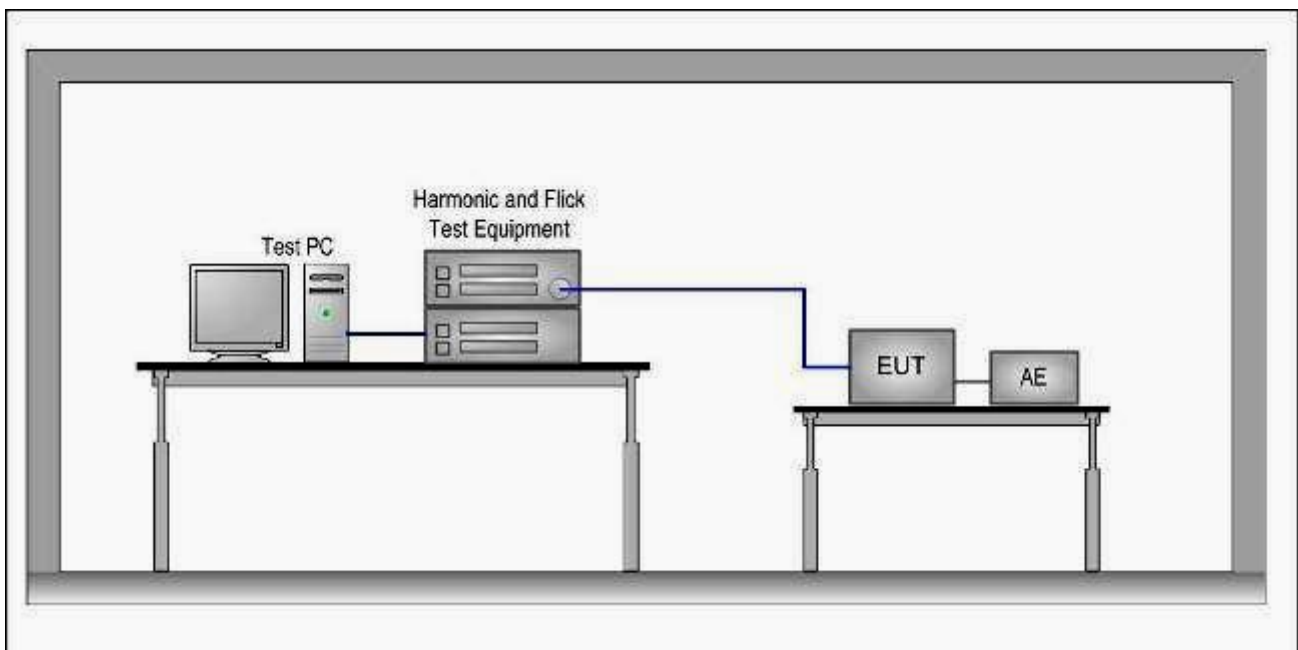
5.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode: a: Test the EUT in heating mode.

5.4.2 Test Setup and Procedure





5.4.3 Measurement Data

Harmonics – Class-A per Ed. 4.0)(Run time) incl. inter-harmonics

Current Test Result Summary (Run time)

Test Result: Pass

Source qualification: Normal

THC(A): 0.023

I-THD(%): 0.4

POHC(A): 0.000

POHC Limit(A): 0.251

Highest parameter values during test:

V_RMS (Volts): 230.01

Frequency(Hz): 50.00

I_Peak (Amps): 9.487

I_RMS (Amps): 10.37

I_Fund (Amps): 6.681

Crest Factor: 1.416

Power (Watts): 2389.7

Power Factor: 0.999

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.004	1.084	N/A	0.005	1.621	N/A	Pass
3	0.019	2.300	N/A	0.021	3.450	N/A	Pass
4	0.008	0.430	N/A	0.009	0.646	N/A	Pass
5	0.002	1.140	N/A	0.002	1.710	N/A	Pass
6	0.006	0.301	N/A	0.007	0.450	N/A	Pass
7	0.003	0.770	N/A	0.003	1.155	N/A	Pass
8	0.005	0.230	N/A	0.006	0.345	N/A	Pass
9	0.004	0.400	N/A	0.002	0.600	N/A	Pass
10	0.001	0.184	N/A	0.002	0.276	N/A	Pass
11	0.003	0.332	N/A	0.003	0.490	N/A	Pass
12	0.001	0.153	N/A	0.001	0.230	N/A	Pass
13	0.002	0.210	N/A	0.002	0.315	N/A	Pass
14	0.000	0.131	N/A	0.000	0.197	N/A	Pass
15	0.001	0.150	N/A	0.003	0.224	N/A	Pass
16	0.000	0.115	N/A	0.000	0.173	N/A	Pass
17	0.001	0.132	N/A	0.001	0.199	N/A	Pass
18	0.001	0.102	N/A	0.001	0.153	N/A	Pass
19	0.000	0.118	N/A	0.000	0.178	N/A	Pass
20	0.001	0.092	N/A	0.001	0.138	N/A	Pass
21	0.001	0.107	N/A	0.001	0.161	N/A	Pass
22	0.000	0.084	N/A	0.000	0.125	N/A	Pass
23	0.000	0.097	N/A	0.001	0.147	N/A	Pass
24	0.001	0.088	N/A	0.001	0.115	N/A	Pass
25	0.000	0.090	N/A	0.000	0.135	N/A	Pass
26	0.001	0.071	N/A	0.000	0.107	N/A	Pass
27	0.000	0.083	N/A	0.000	0.125	N/A	Pass
28	0.000	0.066	N/A	0.000	0.099	N/A	Pass
29	0.000	0.078	N/A	0.000	0.116	N/A	Pass
30	0.000	0.061	N/A	0.000	0.093	N/A	Pass
31	0.000	0.073	N/A	0.000	0.110	N/A	Pass
32	0.000	0.058	N/A	0.000	0.087	N/A	Pass
33	0.000	0.068	N/A	0.000	0.102	N/A	Pass
34	0.000	0.054	N/A	0.000	0.081	N/A	Pass
35	0.000	0.064	N/A	0.000	0.096	N/A	Pass
36	0.000	0.051	N/A	0.000	0.077	N/A	Pass
37	0.000	0.062	N/A	0.000	0.092	N/A	Pass
38	0.000	0.046	N/A	0.000	0.073	N/A	Pass
39	0.000	0.057	N/A	0.000	0.087	N/A	Pass
40	0.000	0.048	N/A	0.000	0.069	N/A	Pass

5.5 Flicker Test Result

Test Requirement: EN 61000-3-3
Test Method: EN 61000-3-3
Measurement Time: 10 mins
Class / Severity: Clause 5 of EN 61000-3-3

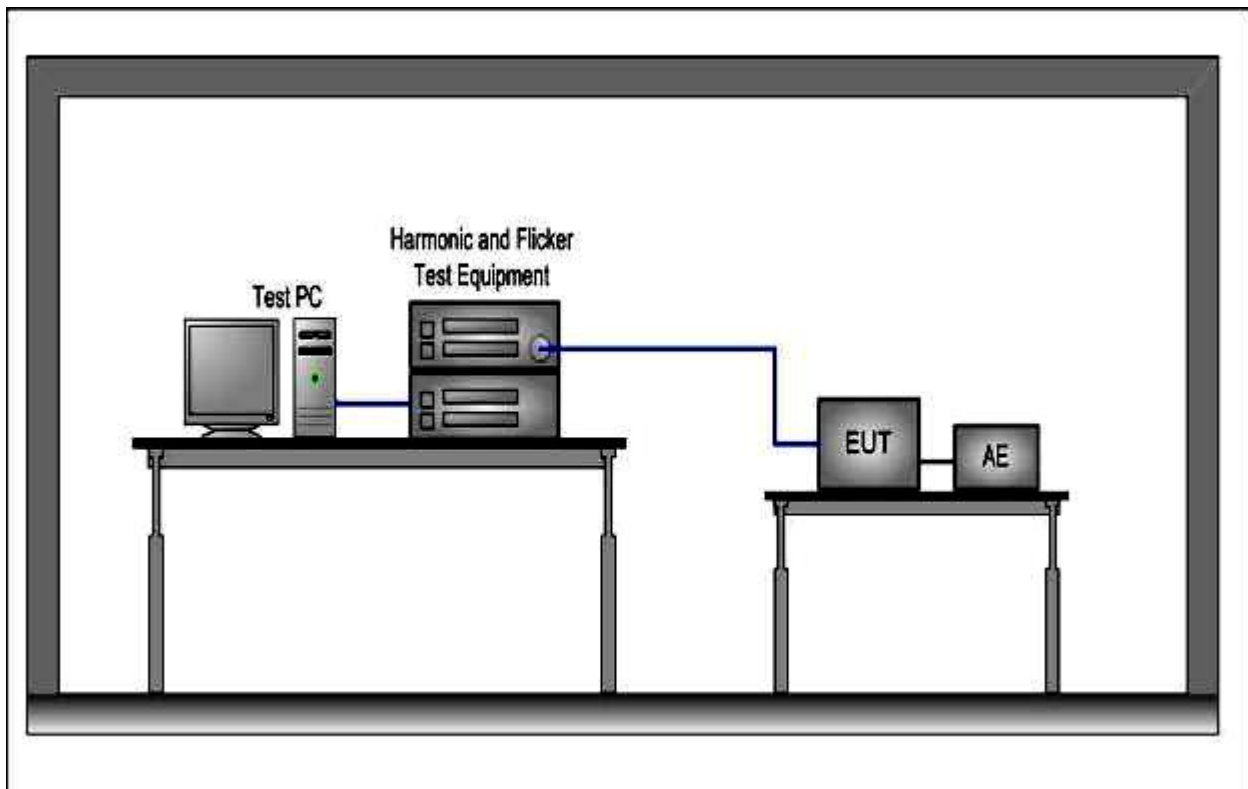
5.5.1 E.U.T. Operation

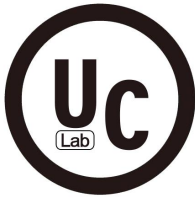
Operating Environment:

Temperature: 24 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode: a: Test the EUT in heating mode.

5.5.2 Test Setup and Procedure





5.5.3 Measurement Data

Flicker Test Summary per EN 61000-3-3 (Run time)

Test Result: Pass

Status: Test Completed

Pst and limit line

European Limits



Parameter values recorded during the test:

Vrms at the end of test (Volt):	230.01			
Highest dt (%):	0.03	Test limit (%):	N/A	N/A
T-max (mS):	0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.02	Test limit (%):	3.30	Pass
Highest dmax (%):	0.11	Test limit (%):	4.01	Pass
Highest Pst (10 min. period):	0.135	Test limit:	1.000	Pass



6 Electromagnetic Susceptibility Test Results

6.1 Performance Criteria Description in Clause 6 of EN IEC 55014-2

Criterion A:	The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.
Criterion B:	The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however. No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation and from what the user may reasonably expect from the apparatus if used as intended.
Criterion C:	Temporary loss of function is allowed, provided the function is self recoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.

6.2 ESD

Test Requirement:	EN IEC 55014-2	
Test Method:	EN 61000-4-2	
Criterion Required:	B	
Discharge Impedance:	330 Ω / 150 pF	
Discharge Voltage:	Air Discharge:	8 kV
	Contact Discharge:	4 kV
	VCP:	4 kV
Polarity:	Positive & Negative	
Number of Discharge:	Minimum 10 times at each test point	
Discharge Mode:	Single Discharge	
Discharge Period:	1 second minimum	

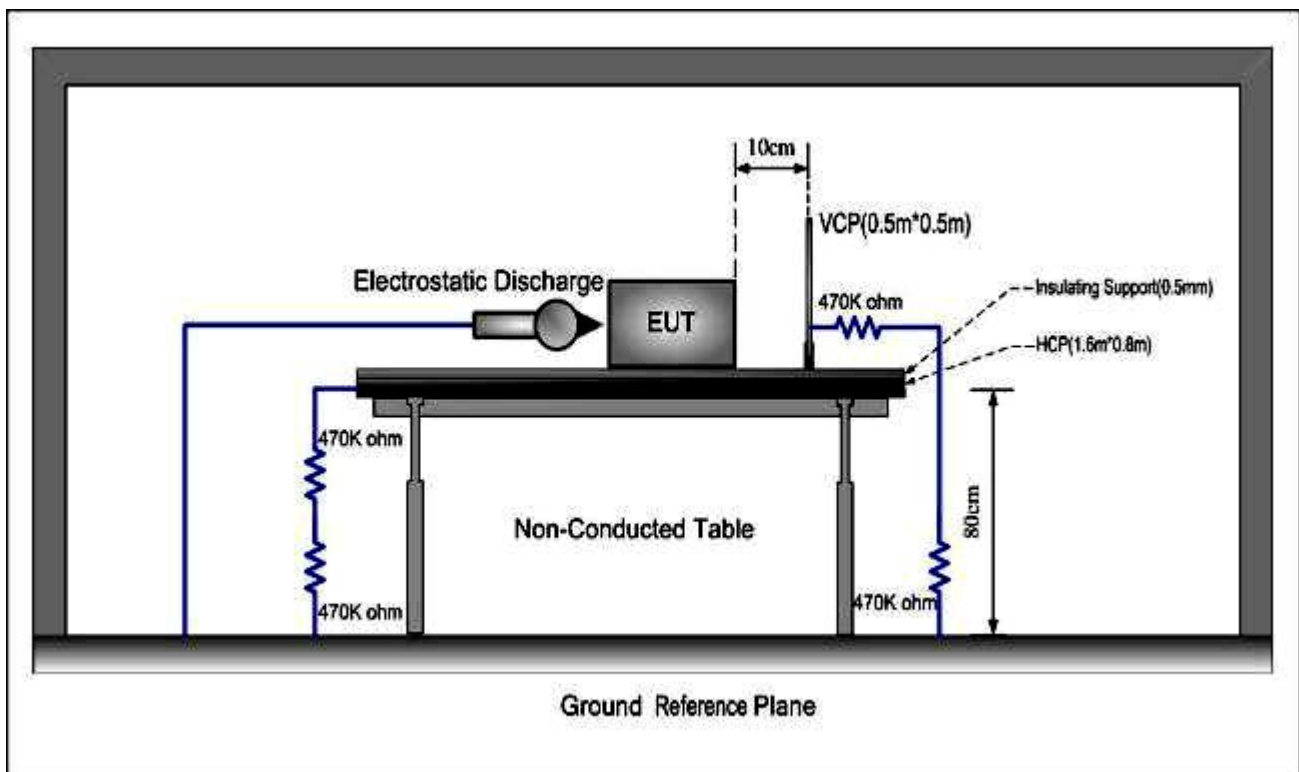
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode: a: Test the EUT in heating mode.
 b: Test the EUT in idle mode.

6.2.2 Test Setup and Procedure





6.2.3 Test Results

Direct Application Test Results

- Observations: Test Point:
1. All insulated enclosure & seams.
 2. All accessible metal parts of the enclosure.

Direct Application			Test Results	
Discharge Level (kV)	Polarity (+/-)	Test Point	Contact Discharge	Air Discharge
8	+/-	1	N/A	A
4	+/-	2	A	N/A

Indirect Application Test Results

- Observations: Test Point:
1. All sides.

Indirect Application			Test Results	
Discharge Level (kV)	Polarity (+/-)	Test Point	Horizontal Coupling	Vertical Coupling
4	+/-	1	A	A

Results:

A: No degradation in the performance of the EUT was observed.

6.3 Electrical Fast Transients (EFT)

Test Requirement:	EN IEC 55014-2
Test Method:	EN 61000-4-4
Criterion Required:	B
Test Level:	0.5, 1.0kV on AC
Polarity:	Positive & Negative
Repetition Frequency:	5kHz
Burst Duration:	300ms
Test Duration:	2 minute per level & polarity

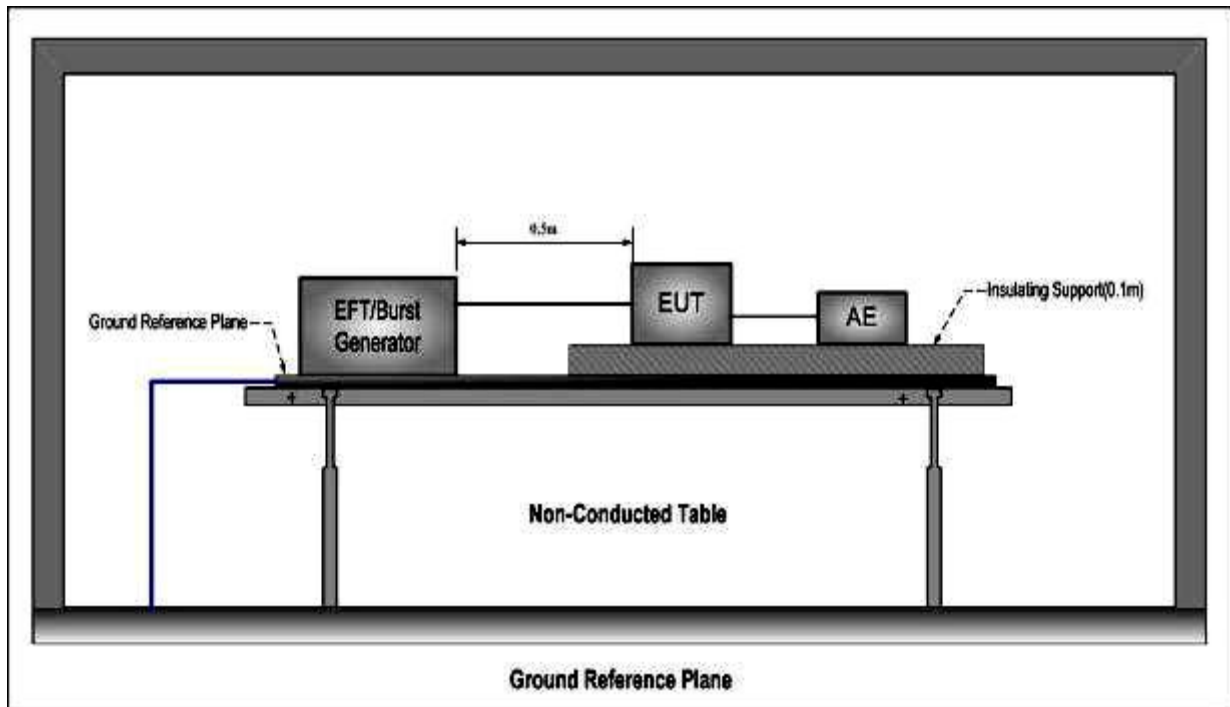
6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode:
 a: Test the EUT in heating mode.
 b: Test the EUT in idle mode.

6.3.2 Test Setup and Procedure



6.3.3 Test Results On AC Supply

Lead under Test	Level (±kV)	Coupling Direct/Clamp	EUT operating mode	Observations (Performance Criterion)
Live + Neutral	± 0.5, 1.0	Direct	All modes	(A)

A: No degradation in the performance of the EUT was observed.

6.4 Surge

Test Requirement:	EN IEC 55014-2
Test Method:	EN 61000-4-5
Criterion Required:	B
Test Level:	±1kV Live to Neutral
Polarity:	Positive & Negative
Generator source impedance:	2Ω
Trigger Mode:	Internal
No. of surges:	5 positive at 90°, 5 negative at 270°.

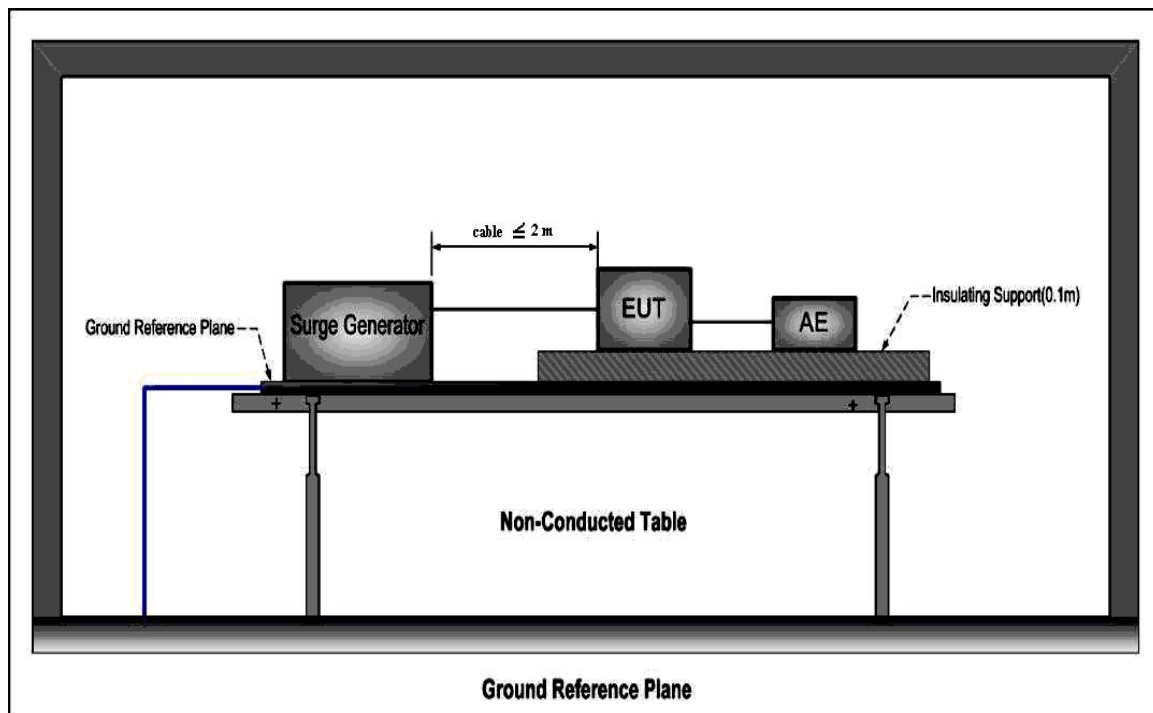
6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 52 % RH Atmospheric Pressure: 1009 mbar

Test Mode:
a: Test the EUT in heating mode.
b: Test the EUT in idle mode.

6.4.2 Test Setup and Procedure





6.4.3 Test Results:

Test Line	Level (kV)	Polarity	Phase (deg)	Result / Observations
L-N	1	+	90°	A
L-N	1	-	270°	A
L-PE	2	+	90°	A
L-PE	2	-	270°	A
N-PE	2	+	90°	A
N-PE	2	-	270°	A

Results:

A: No degradation in the performance of the EUT was observed.

6.5 Conducted Immunity 0.15MHz to 230MHz

Test Requirement: EN IEC 55014-2
 Test Method: EN 61000-4-6
 Criterion Required: A
 Frequency Range: 0.15MHz to 230MHz
 Test level: 3V r.m.s on AC Ports (unmodulated emf into 150 Ω)
 Modulation: 80%, 1kHz Amplitude Modulation

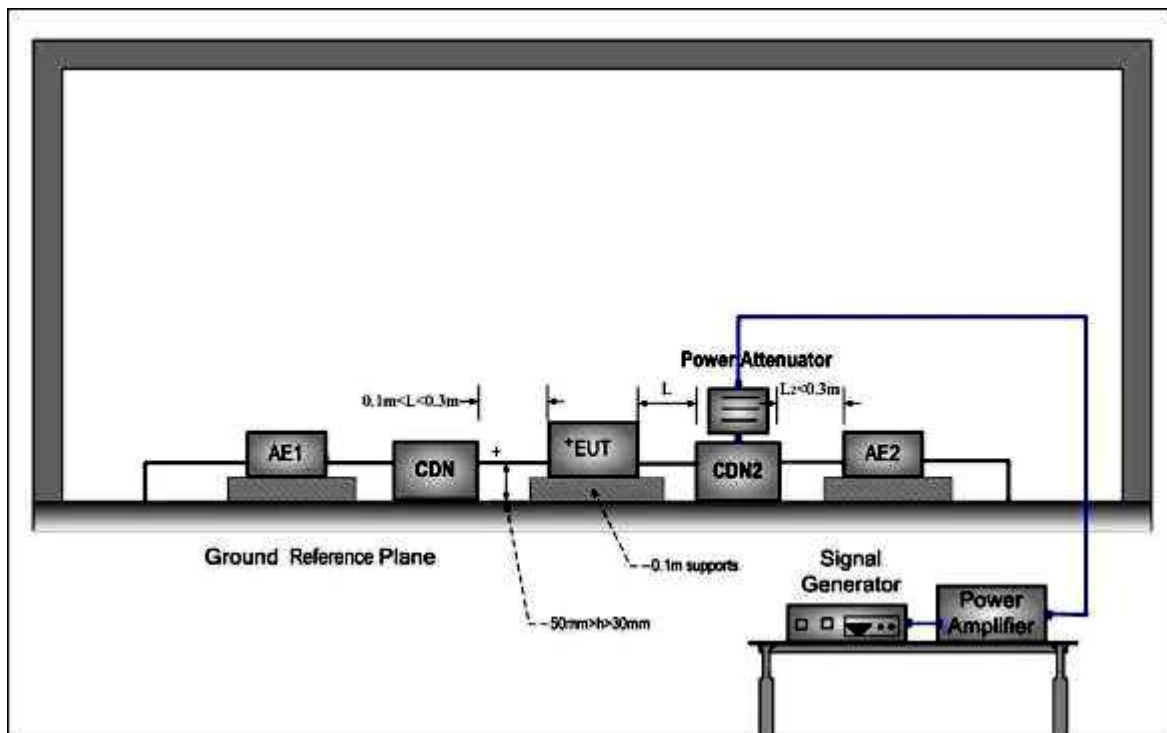
6.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode:
 a: Test the EUT in heating mode.
 b: Test the EUT in idle mode.

6.5.2 Test Setup and Procedure



6.5.3 Test Results:

Frequency	Line	Test Level	Modulation	Step Size	Dwell Time	Observation (Performance Criterion)
150 kHz to 230 MHz	2 Wires AC Supply Cable	3V r.m.s	80%, 1 kHz Amp. Mod.	1%	1s	No Loss of Function (A)

A: No degradation in the performance of the EUT was observed.

6.6 Voltage Dips and Interruptions

Test Requirement:	EN IEC 55014-2
Test Method:	EN 61000-4-11
Criterion Required:	C
Test Level:	0% of U_T (Supply Voltage) for 0.5 Periods 40 % of U_T (Supply Voltage) for 10 Periods 70 % of U_T (Supply Voltage) for 25 Periods
No. of Dips / Interruptions:	3 per Level

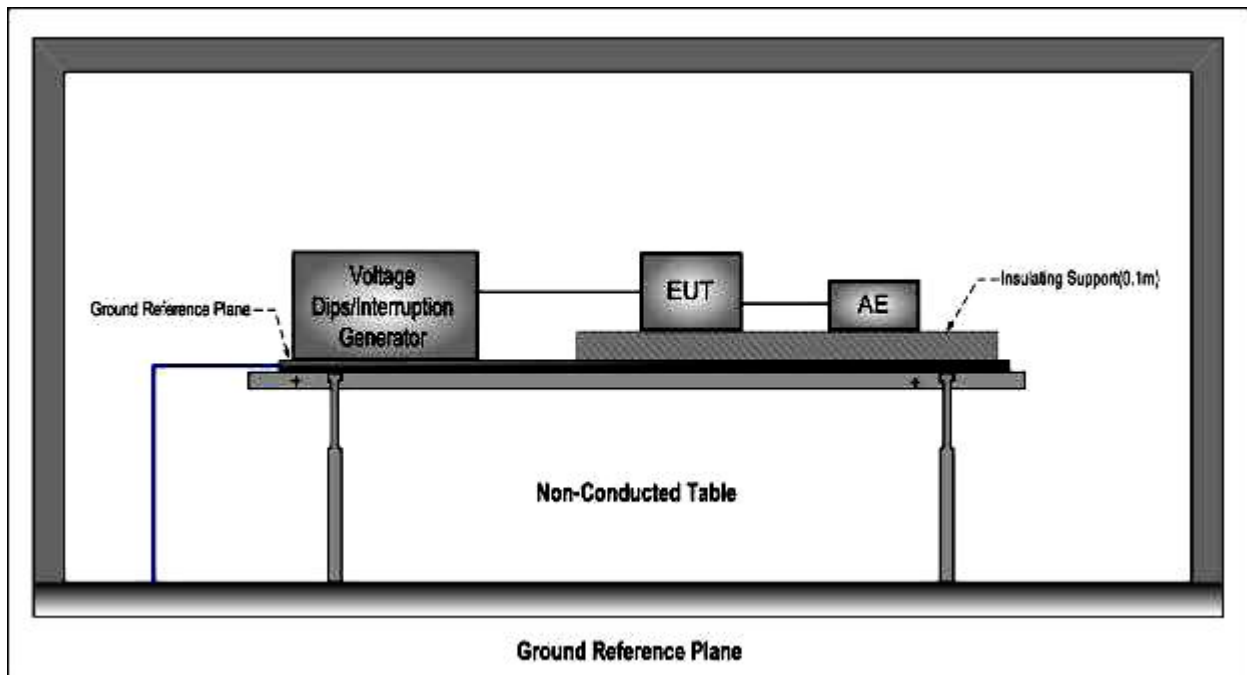
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 53 % RH Atmospheric Pressure: 1009 mbar

Test Mode:
a: Test the EUT in heating mode.
b: Test the EUT in idle mode.

6.6.2 Test Setup and Procedure





6.6.3 Test Results

Test Level % U_T	Phase	Duration of drop out in Periods	No of drop out	Time between drop out	Observations (Performance Criterion)
0	0°	0.5	3	10s	(A)
40	0°	10	3	10s	(A)
70	0°	25	3	10s	(A)

Remark:

U_T = the nominal supply voltage.

A: No degradation in the performance of the EUT was observed.

Test Level % U_T	Phase	Duration of drop out in Periods	No of drop out	Time between drop out	Observations (Performance Criterion)
0	0°	0.5	3	10s	(A)
40	0°	12	3	10s	(A)
70	0°	30	3	10s	(A)

Remark:

U_T = the nominal supply voltage.

A: No degradation in the performance of the EUT was observed.

7 EUT Constructional Details

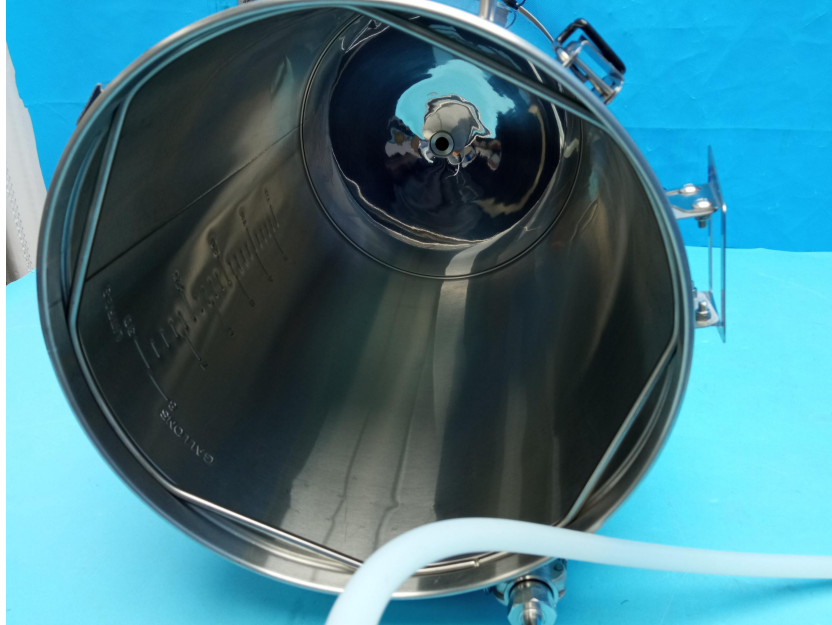
Photos of model KL27434



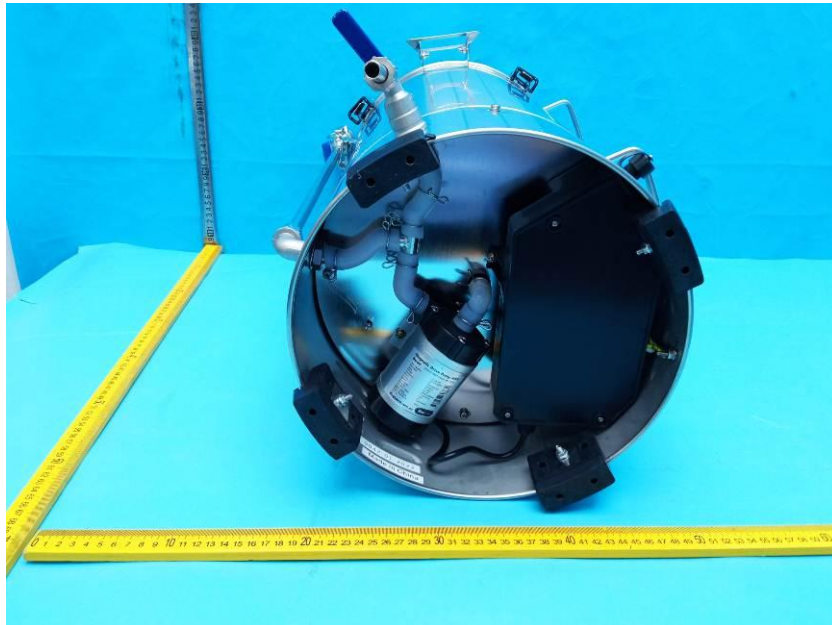
Pic 1



Pic 2



Pic 3



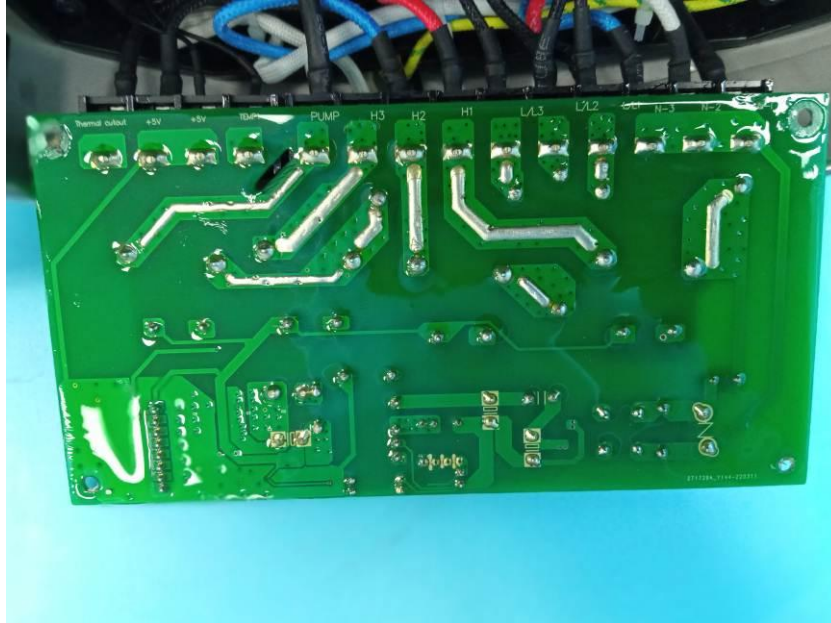
Pic 4



Pic 5



Pic 6



Pic 7

--End of Report--