# [Shenzhen weicejiance Testing Technology Co.,LTD Testing Report]

Laboratory Name:Shenzhen weicejiance Testing Technology Co., LTD
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November 20, 2020

Shenzhen weicejiance Testing Technology Co., LTD

NO.:weicejiance-20201120LC-CEEMC

# CE EMC TEST REPORT

**On Behalf of**

| | |
|---|---|
| Prepared For : | Shenzhen Lechao Smart Technology Co.,LTD<br>3rd floor,Building 3,Xunyuan Zhichuang Valley,Fuhong Industrial Zone,Fengtang Road，Fuhai Street，Bao’ an District，Shenzhen City,Guangdong Province, China |
| Product Name : | Pet intelligent water dispenser |
| Model(s) : | L01, L01PLUS |
| Trademark： | nothing |
| Prepared By: | Shenzhen weicejiance Testing Technology Co., LTD. |
| Test Date: | November 12, 2020~ November 20, 2020 |
| Date of Report: | November 20, 2020 |
| Report No. : | weicejiance-20201120LC-CEEMC |

**Note:** This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of ShenzhenweicejianceTesting Technology Co., Ltd

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**Name and address of the testing laboratory:** **Shenzhen weicejiance Testing Technology Co., Ltd.**
Building E, Science Park, Shajing Street, Baoan District, Shenzhen City, China

Date of Test: November 12, 2020~ November 20, 2020

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**Prepared by(Engineer):** ----------

**Reviewer(Quality Manager):** ----------

Approved &Authorized Signer(Manager): ----------

## 1. TEST SUMMARY

Test standards:
EN 55014-1:2006+A2:2011
EN 55014-2:1997+A2:2008
EN 61000-3-2:2014 &
EN 61000-3-3:2013
EN 61000-4-2:2010
EN 61000-4-3:2011
EN 61000-4-4:2012
EN 61000-4-5:2014
EN 61000-4-11:2004

The EUT described above is tested by weicejiance Technology Co.,Ltd.EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT.weicejiance Technology Co.,Ltd.EMC Laboratory is assumed fuu responsibility for the accuracy of the test results.Also,this report shows that the EUT technically complies with the 2014/30/EU directive and its amendment requirements.The test reportis valid for above tested sample only and shall not berepraduced in part with out written approval of the laboratory

1.1 TEST FACILITY

Shenzhen weicejiance Testing Technology Co., Ltd.
Add. : Building E, Science Park, Shajing Street, Baoan District, Shenzhen City, China

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

A. Conducted Measurement :

| Test Site | Method | Measurement Frequency Range | U，(dB) | NOTE |
|---|---|---|---|---|
| C01 | ANSI | 150 KHz ~ 30MHz | 1.94 | |

B. Radiated Measurement :

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U，(dB) | NOTE |
|---|---|---|---|---|---|
| OS01 | ANSI | 30MHz ~ 200MHz | V | 4.82 | |
| | | 30MHz ~ 200MHz | H | 4.60 | |
| | | 200MHz ~ 1,000MHz | V | 5.86 | |
| | | 200MHz ~ 1,000MHz | H | 4.94 | |
| OS02 | ANSI | 30MHz ~ 200MHz | V | 4.48 | |
| | | 30MHz ~ 200MHz | H | 5.16 | |
| | | 200MHz ~ 1,000MHz | V | 4.50 | |
| | | 200MHz ~ 1,000MHz | H | 3.66 | |

## 2. GENERAL INFORMATION

### GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| Equipment | Pet intelligent water dispenser |
| Brand Name | N/A |
| Model Name. | L01, L01PLUS |
| OEM Brand/Model No. | / |
| Model Difference | N/A |
| Manufacturer | Shenzhen Lechao Smart Technology Co.,LTD |
| Manufacturer Address | 3rd floor,Building 3,Xunyuan Zhichuang Valley,Fuhong Industrial Zone,Fengtang Road，Fuhai Street，Bao’an District，Shenzhen City,Guangdong Province, China |
| Power Source | DC 12 V power supply |
| Power Rating | DC 0.6 W through power supply |
| Connecting I/O Port(s) | Please refer to the User's Manual |

Note:

1. For a more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.

2.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|---|---|
| Mode 1 | Pre launch test |

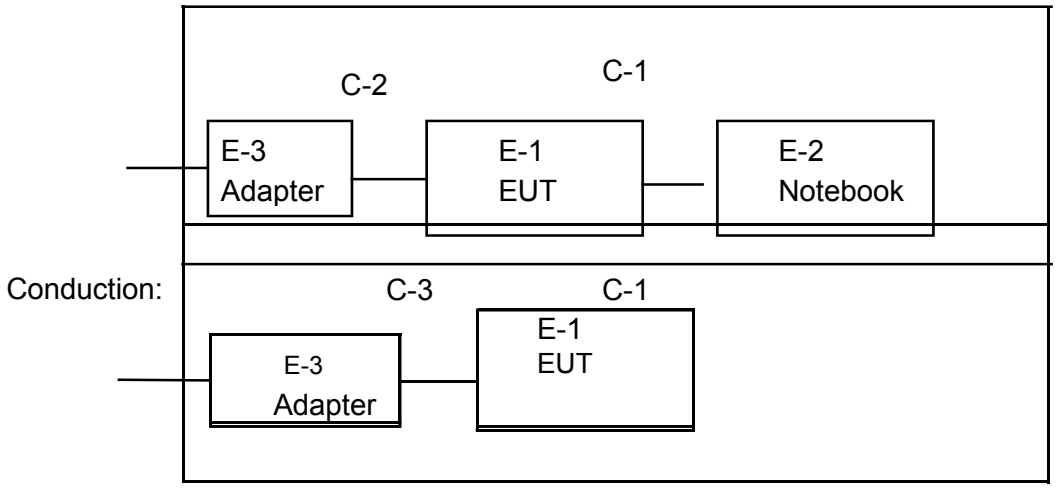
| **For Conducted Test** | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | Pre conducted emission test |

| **For Radiated Test** | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | Pre radiation emission test |

| **For EMS Test** | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | Pre anti interference test |

2.2 DESCRIPTION OF TEST SETUP

Radiated:




2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No. | Note |
|---|---|---|---|---|---|---|
| E-1 | Platform support | N/A | | N/A | N/A | EUT |
| | | | | | | |
| | | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

## 2.4 MEASUREMENT INSTRUMENTS LIST

### 2.4.1CONDUCTED EMISSION

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | LISN | EMCO | 3816/2 | 00042991 | 1 Year |
| 2 | LISN | EMCO | 3816/2 | 00042990 | 1 Year |
| 3 | Pulse Limiter | Electro-Metrics | EM-7600 | 112644 | 1 Year |
| 4 | 50Ω Terminator | N/A | N/A | N/A | 1 Year |
| 5 | Test Cable | N/A | C01 | N/A | 1 Year |
| 6 | EMI Test Receiver | R&S | ESCI | 100082 | 1 Year |

### 2.4.2 RADIATED EMISSION

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Log-Bicon Antenna | Schwarzbeck | VULB 9160 | 3058 | 1 Year |
| 2 | Test Cable | N/A | 10M_OS02 | N/A | 1 Year |
| 3 | Test Cable | N/A | OS02-1/-2/-3 | N/A | 1 Year |
| 4 | Pre-Amplifier | Anritsu | MH648A(OS 02) | M10061 | 1 Year |
| 5 | EMI Test Receiver | R&S | ESCI | 100082 | 1 Year |
| 6 | Antenna Mast | Chance Most | CMTB-1.5 | N/A | N/A |
| 7 | Turn Table | Chance Most | CMTB-1.5 | N/A | N/A |

### 2.4.3 HARMONICS AND FILCK

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Harmonic & Flicker | California | PACS-1 | 72345 | 1 Year |
| 1 Year2 | Power Source | California | 3001iX | 56310 | 1 Year |

### 2.4.4 ESD

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | ESD Simulator | Thermo | MZ-15/EC | 0502184 | 1 Year |

### 2.4.5 RS

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Signal Generator | R&S | SMT 06 | 832080/007 | 1 Year |
| 2 | Log-Bicon Antenna | Schwarzbeck | VULB9161 | 4022 | 1 Year |
| 3 | Power Amplifier | AR | 150W1000M1 | 320946 | 1 Year |
| 4 | Microwave Horn Antenn a | AR | AT4002A | 321467 | 1 Year |
| 5 | Power Amplifier | AR | 25S1G4A | 308598 | 1 Year |

2.4.6 SURGE, EFT/BURST, VOLTAGE INTERRUPTION/DIPS

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | EMC Immunity Test System | Thermo | EMCPRO PLUS | 0502176 | 1 Year |

2.4.7 INJECTION CURRENT

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Signal Generator | IFR | 2023A | 202301/368 | 1 Year |
| 2 | Power Amplifier | AR | 75A250AM1 | 0320709 | 1 Year |
| 3 | CDN | FCC | FCC-801-M2 | 06043 | 1 Year |
| 4 | EM Clamp | FCC | F-203I-23MM | 504 | 1 Year |

## 3. EMC EMISSION TEST

### 3.1 CONDUCTED EMISSION MEASUREMENT

#### 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|---|---|---|---|---|
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 71.00 | 60.00 | 52.00 | 49.00 |
| 10.0 -50.0 | 73.00 | 60.00 | 60.00 | 49.00 |

Note:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

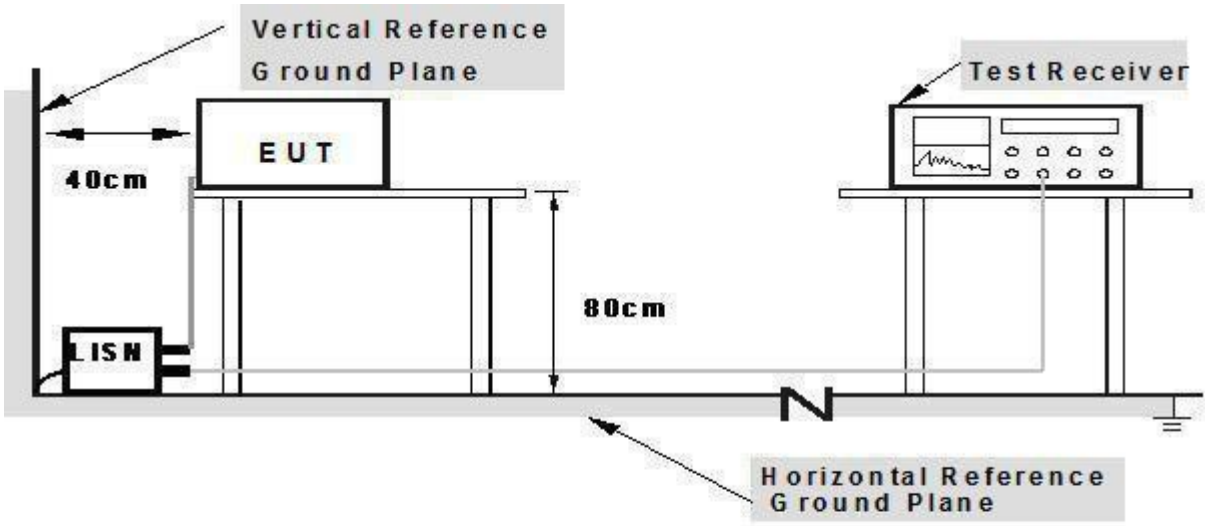
The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---|---|
| Attenuation | 11 dB |
| Start Frequency | 10 MHz |
| Stop Frequency | 50MHz |
| IF Bandwidth | 11 kHz |

3.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN).All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

3.1.3 TEST SETUP




**Note: 1.Support units were connected to second LISN.**
**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.2** Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.5 TEST RESULTS

| | | | |
|---|---|---|---|
| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
| Temperature: | | Relative Humidity: | |
| Pressure: | | Test Date : | |
| Test Mode: | | Phase : | |
| Test Voltage : | | | |

| | | | |
|---|---|---|---|
| EUT: | | Model Name : | |
| Temperature: | | Relative Humidity: | |
| Pressure: | | Test Date : | |
| Test Mode: | | Phase : | |
| Test Voltage : | | | |

## 3.2 RADIATED EMISSION MEASUREMENT

### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

| FREQUENCY (MHz) | Class A (at 10m) | Class B (at 10m) |
|---|---|---|
| | dBuV/m | dBuV/m |
| 30 – 130 | 50 | 40 |
| 120 – 300 | 55 | 47 |

### 3.2.2 LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENCY (MHz) | Class A (at 10m) dBuV/m | | Class B (at 10m) dBuV/m | |
|---|---|---|---|---|
| | Peak | Avg | Peak | Avg |
| 100-260 | 56 | 50 | 65 | 50 |
| 3000-6000 | 72 | 60 | 68 | 54 |

Notes:

(1) The limit for radiated test was performed according to as following: CISPR 22/ FCC PART 15 /ICES-003.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

### 3.2.3 TEST PROCEDURE

a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

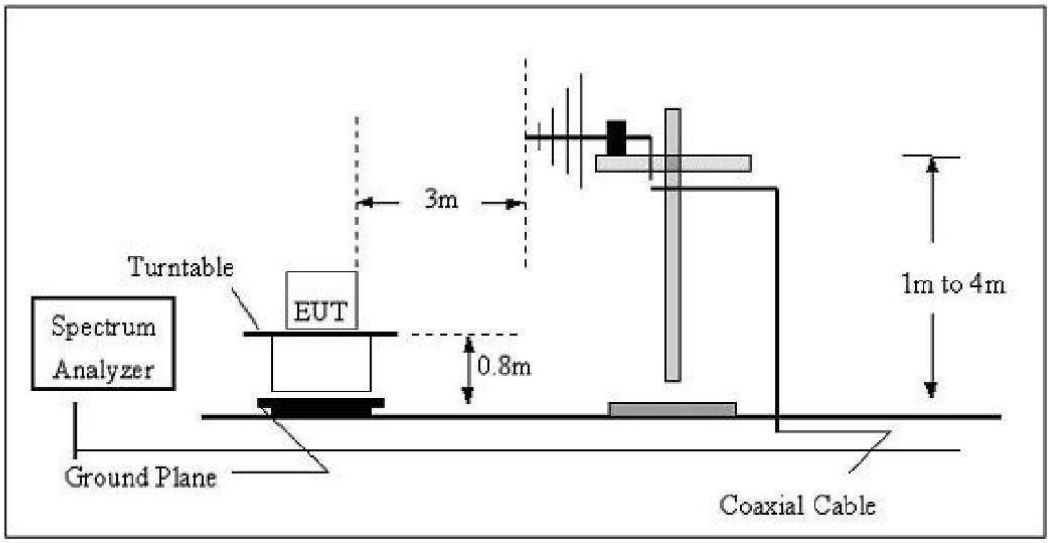
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

f. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

3.2.4 TEST SETUP

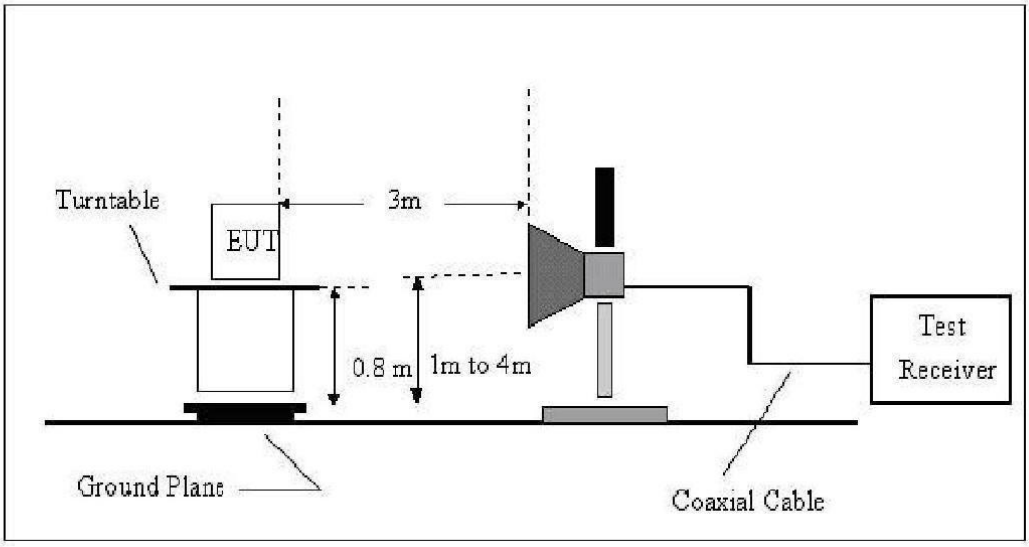
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz




(B) Radiated Emission Test Set-UP Frequency Above 1GHz

(B) Radiated Emission Test Set-UP Frequency Over 1 GHz




3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.2** Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (30-1000MHz)

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Mode : | Radiation emission | Polarization : | Horizontal |

| Test Power : | DC 12V |
|---|---|

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 82.6482 | 26.58 | 8.22 | 34.8 | 40 | -5.2 | QP |
| 236.6447 | 22.48 | 10.94 | 33.42 | 47 | -13.58 | QP |
| 744.8659 | 18.88 | 24.27 | 43.15 | 47 | -3.85 | QP |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

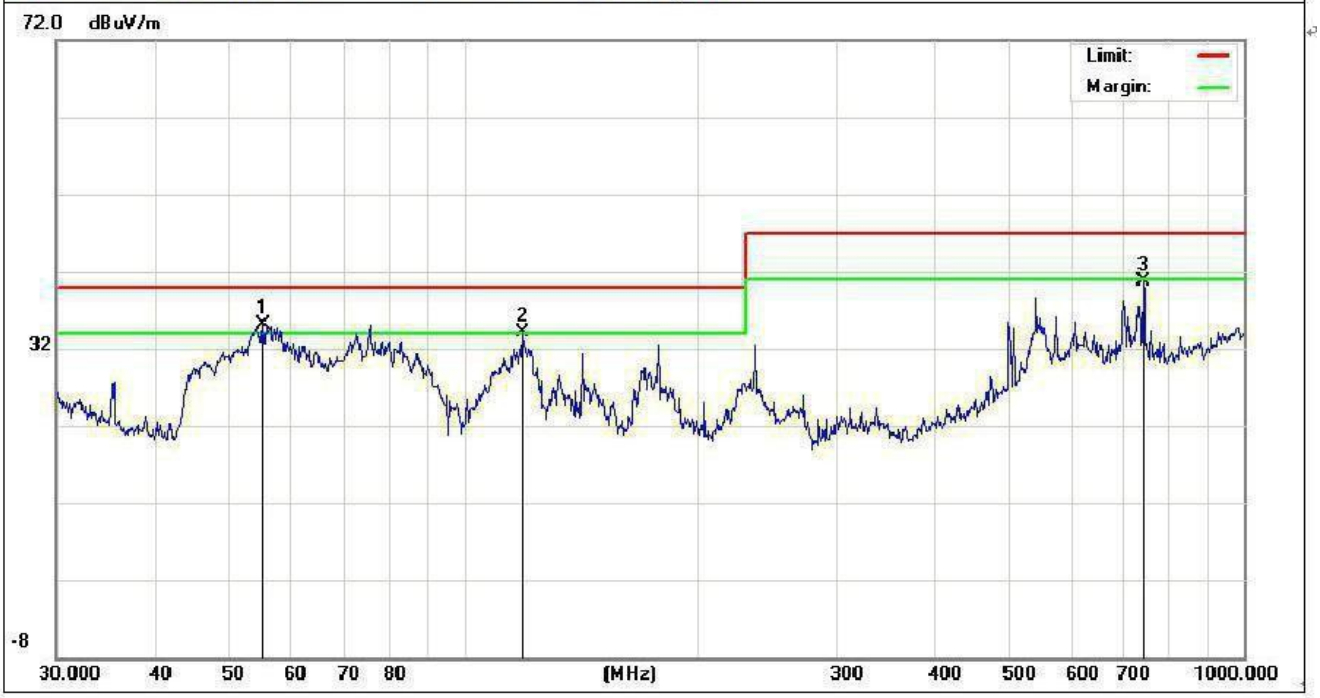
| | | | |
|---|---|---|---|
| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Mode : | Radiation emission | Polarization : | Horizontal |

| | |
|---|---|
| Test Power : | DC 12V |
| | |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 55.2207 | 29.19 | 6.01 | 35.2 | 40 | -4.8 | QP |
| 118.6012 | 22.44 | 11.75 | 34.19 | 40 | -5.81 | QP |
| 742.2586 | 16.47 | 24.27 | 40.74 | 47 | -6.26 | QP |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



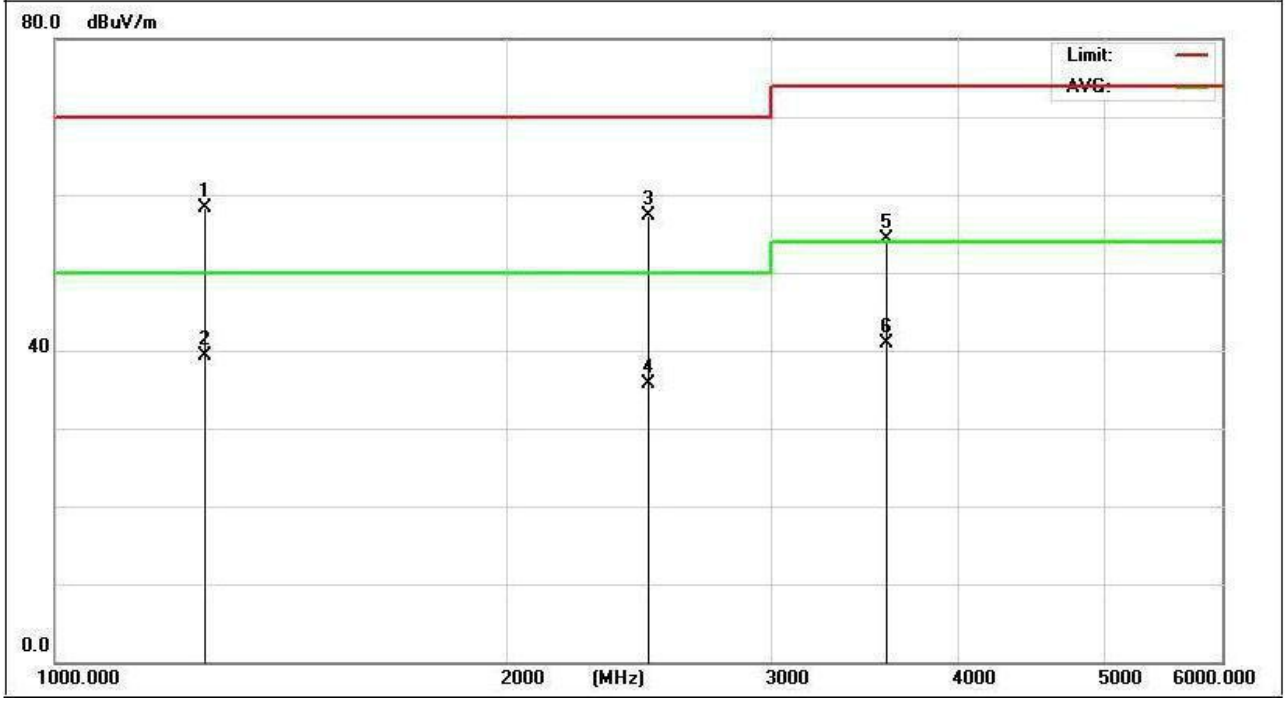
3.2.7 TEST RESULTS(1000-6000)

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Mode : | Radiation emission | Polarization : | Horizonta |
| Test Power : | DC 12V | | |

| Frequency (MHz) | Meter (dBμV) | Factor (dB) | Emission (dBμV/m) | Limits (dBμV/m) | Margi (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 1257.259 | 31.51 | 26.74 | 58.25 | 70 | -11.75 | peak |
| 1257.259 | 12.5 | 26.74 | 39.24 | 50 | -10.76 | AVG |
| 2486.286 | 23.99 | 33.29 | 57.28 | 70 | -12.72 | peak |
| 2486.286 | 2.49 | 33.29 | 35.78 | 50 | -14.22 | AVG |
| 3586.246 | 15.38 | 38.97 | 54.35 | 74 | -19.65 | peak |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

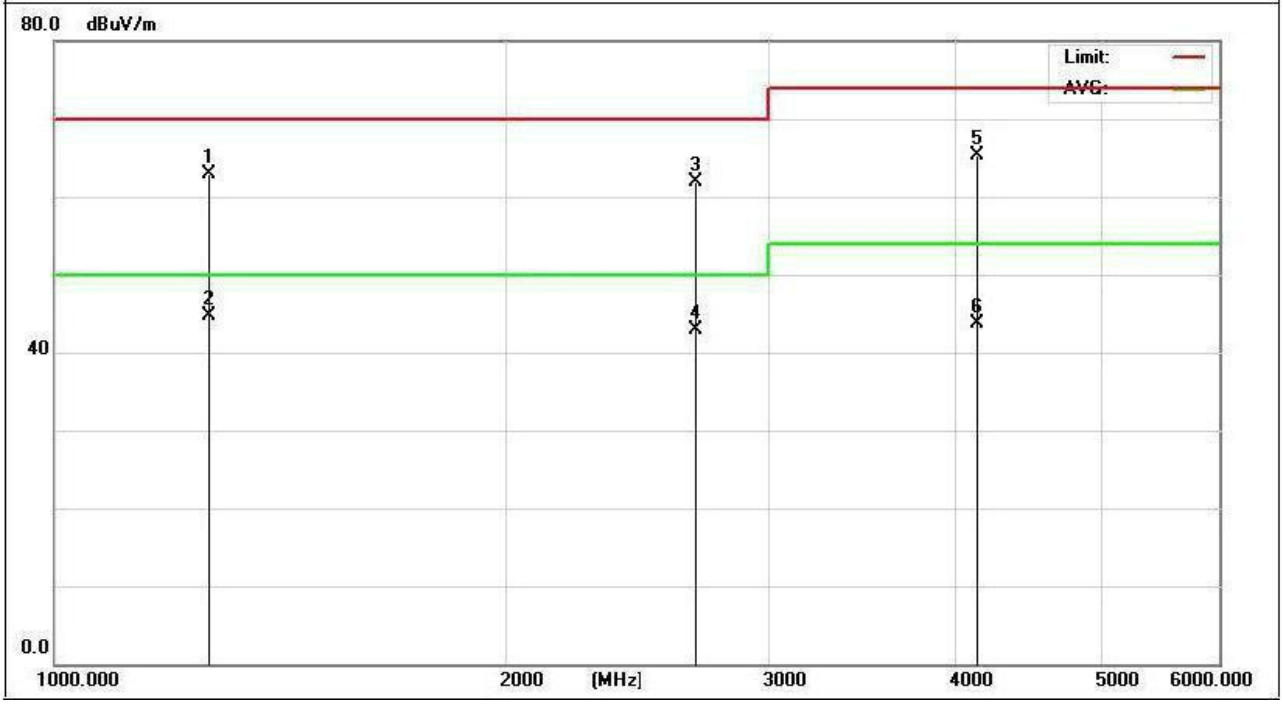


| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Mode : | Radiation emission | Polarization : | Horizonta |
| Test Power : | DC 12V | | |

| Frequency (MHz) | Meter Reading (dBμV) | Factor (dB) | Emission (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector Type |
|---|---|---|---|---|---|---|
| 1265.879 | 31.42 | 31.4 | 62.82 | 70 | -7.18 | peak |
| 1265.879 | 13.37 | 31.4 | 44.77 | 50 | -5.23 | AVG |
| 2683.547 | 25.6 | 36.32 | 61.92 | 70 | -8.08 | peak |
| 2683.547 | 6.5 | 36.32 | 42.82 | 50 | -7.18 | AVG |
| 4126.852 | 22.19 | 43.08 | 65.27 | 74 | -8.73 | peak |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



3.3 HARMONICS CURRENT

3.3.1 LIMITS OF HARMONICS CURRENT

| IEC 555-2 | | | | | |
|---|---|---|---|---|---|
| Table - I | | | Table - II | | |
| Equipment Category | Harmonic Order n | Max. Permissible Harmonic Current (in Ampers) | Equipment Category | Harmonic Order n | Max. Permissible Harmonic Current (in Ampers) |
| Non Portable Tools or TV Receivers | Odd Harmonics | | TV Receivers | Odd Harmonics | |
| | 3 | 2.30 | | 3 | 0.80 |
| | 5 | 1.14 | | 5 | 0.60 |
| | 7 | 0.77 | | 7 | 0.45 |
| | 9 | 0.40 | | 9 | 0.30 |
| | 11 | 0.33 | | 11 | 0.17 |
| | 13 | 0.21 | | 13 | 0.12 |
| | 15≤n≤39 | 0.15 · 15/n | | 15≤n≤39 | 0.10 · 15/n |
| | Even Harmonics | | | Even Harmonics | |
| | 2 | 1.08 | | 2 | 0.30 |
| | 4 | 0.43 | | 4 | 0.15 |
| | 8 | 0.30 | | | |
| | 8≤n≤40 | 0.23 · 8/n | | DC | 0.05 |

| EN 61000-3-2/IEC 61000-3-2 | | | | | |
|---|---|---|---|---|---|
| Equipment Category | Max. Permissible Harmonic Current (in Ampers) | Equipment Category | Harmonic Order n | Max. Permissible Harmonic Current (in A) | (mA/w) |
| Class A | Same as Limits Specified in 4-2.1, Table - I, but only odd harmonics required | Class D | 3 | 2.30 | 3.4 |
| | | | 5 | 1.14 | 1.9 |
| | | | 7 | 0.77 | 1.0 |
| | | | 9 | 0.40 | 0.5 |
| | | | 11 | 0.33 | 0.35 |
| | | | 13≤n≤39 | see Table I | 3.85/n |
| | | | only odd harmonics required | | |

3.3.2 TEST PROCEDURE

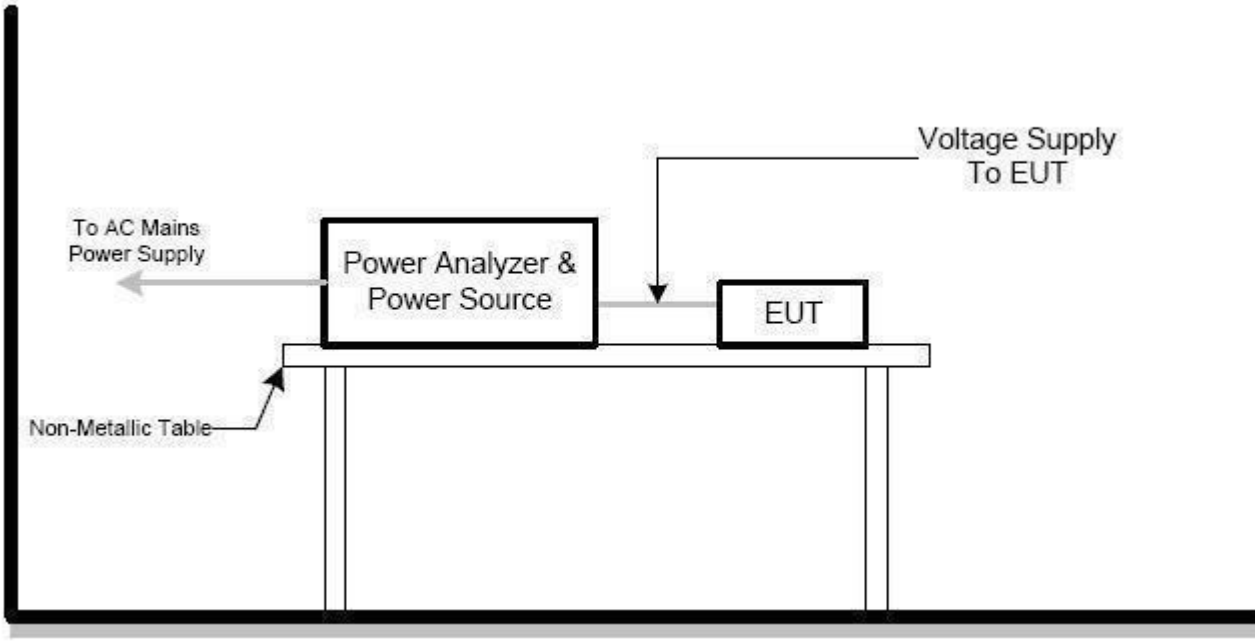
a. The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions.
b. The classification of EUT is according to section 5 of EN 61000-3-2: 2000.The EUT is classified as follows:
Class A: Balanced three-phase equipment, Household appliances excluding equipment as Class D, Tools excluding portable tools, Dimmers for incandescent lamps, audio equipment, equipment not specified in one of the three other classes. Class B: Portable tools. Portable tools.; Arc welding equipment which is not professional equipment.

Class C: Lighting equipment.
Class D: Equipment having a specified power less than or equal to600 W of the following types: Personal computers and personal computer monitors
and television receivers.
c. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the time necessary for the EUT to be exercised.
d. For the actual test configuration, please refer to the related item –EUT Test Photos.

3.3.3 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.2** Unless otherwise a special operating condition is specified in the follows during the testing.

3.3.4 TEST SETUP




3.3.5 TEST RESULTS

N/A(Below 20W)

## 3.4 VOLTAGE FLUCTUATION AND FLICKERS

### 3.4.1 LIMITS OF VOLTAGE FLUCTUATION AND FLICKERS

| Tests | Limits | | Descriptions |
|---|---|---|---|
| | IEC555-3 | IEC/EN 61000-3-3 | |
| Pst | ≤ 1.0, Tp= 10 min. | ≤ 1.0, Tp= 10 min. | Short Term Flicker Indicator |
| Plt | N/A | ≤ 0.65, Tp=2 hr. | Long Term Flicker Indicator |
| dc | ≤ 3% | ≤ 3.3% | Relative Steady-State V-Chang |
| dmax | ≤ 4% | ≤ 4% | Maximum Relative V-change |
| d (t) | N/A | ≤ 3.3% for > 500 ms | Relative V-change characteristic |

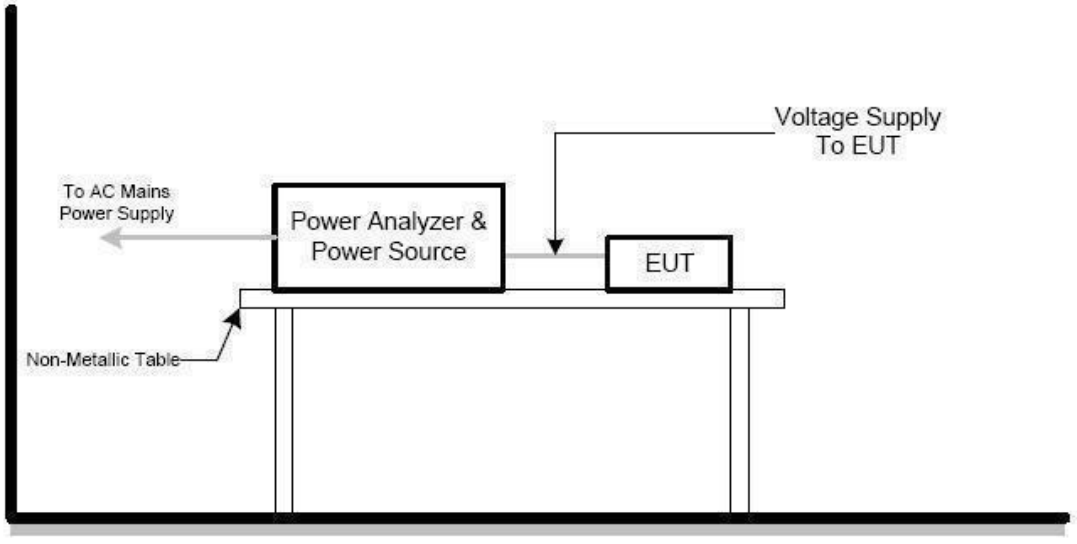
### 3.4.2TEST PROCEDURE

a. Harmonic Current Test:
Test was performed according to the procedures specified in Clause 5.0 of IEC555-2 and/or Sub-clause 6.2 of IEC/EN 61000-3-2 depend on which standard adopted for compliance measurement.
b. Fluctuation and Flickers Test:
Tests was performed according to the Test Conditions/Assessment of Voltage Fluctuations specified in Clause 5.0/6.0 of IEC555-3 and/or Clause 6.0/4.0 of IEC/EN 61000-3-3 depend on which standard adopted for compliance measurement.
c. All types of harmonic current and/or voltage fluctuation in this report are assessed by direct measurement using flicker-meter.
d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.4.3 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.2** Unless otherwise a special operating condition is specified in the follows during the testing.

### 3.4.4 TEST SETUP



3.4.5 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Mode : | Radiation emission | Polarization : | Horizonta |
| Result: | DC 12V | | |

| Test Parameter | Measurement Value | Limit | Remarks |
|---|---|---|---|
| Pst | | 1.0 | N/A |
| D(t)>3.3%(ms) | | 500 | N/A |
| $d_{max}$(%) | | 4% | N/A |
| $d_c$(%) | | 3.3% | N/A |

## 4. EMC IMMUNITY TEST

| Tests<br>Standard No. | TEST SPECIFICATION<br>Level | Test Mode<br>Test Ports | Perform.<br>Criteria | Remark |
|---|---|---|---|---|
| 1. ESD<br>IEC/EN 61000-4-2-2010 | 8KV air discharge 4KV<br>contact discharge | Direct Mode | B | Pass |
| | 4KV HCP discharge<br>4KV VCP discharge | Indirect Mode | B | Pass |
| 2. RS<br>IEC/EN 61000-4-3:2011 | 45MHz to 75 MHz 360<br>MHz to 600 MHz<br>3V/m(rms), 1000Hz, 80%,<br>AM modulated | Enclosure | A | Pass |
| 3. EFT/Burst<br>IEC/EN61000-4-4:2012 | 1.0KV(peak)<br>5/50ns Tr/Th<br>5KHz Repetition Freq. | Power Supply<br>Port | B | Pass |
| | 0.5 KV(peak)<br>5/50ns Tr/Th<br>5KHz Repetition Freq. | CTL/Signal<br>Data Line<br>Port | B | Pass |
| 4. Surges<br>IEC/EN 61000-4-5:2014 | 0.5 KV(5P/5N)<br>1.2/50(8/20) Tr/Th us | L-N | B | Pass |
| | 1 KV(5P/5N)<br>1.2/50(8/20) Tr/Th us | L-PE<br>N-PE | B | N/A |
| 5.EMC immunity<br>requirements<br>IEC/EN 55014-2-2008 | 0.15 MHz to 80 MHz<br>3V(rms), 1000Hz 80%,<br>AM Modulated<br>150Ω source impedance | CTL/Signal Port | A | N/A |
| | 0.15 MHz to 80 MHz<br>3V(rms), 1000Hz 80%,<br>AM Modulated<br>150Ω source impedance | DC Power Port | A | Pass |
| | 0.15 MHz to 80 MHz<br>3V(rms), 1000Hz 80%,<br>AM Modulated<br>150Ω source impedance | AC Power Port | A | N/A |
| 6. Volt. Interruptions<br>Volt. Dips<br>IEC/EN 61000-4-11 | Voltage dip 0%<br>Voltage dip 70%<br>Interruption 0% | DC Power Port | B<br>C<br>C | Pass |

4.1 STANDARD COMPLIANCE/SERVRITY LEVEL/CRITERIA

* Remark:

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

(1) : The EUT is a battery operating device and no any other cable connection to PCdevice.

(2) : Applicable only to cables which according to the manufacturer's specification supports communication on cables lengths greater than 3 m.

(3) : Applicable only to equipment containing devices susceptible to magneticfields

4.2 GENERAL PERFORMANCE CRITERIA

According to **EN 55014-1/EN 55014-2**standard, the general performance criteria as following:

| | |
|---|---|
| **Criterion A** | The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. |
| **Criterion B** | The apparatus shall continue to operate as intended after the test. No degradation o performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is 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. |

**PERFORMANCE CRITERIA FOR CT AND CR**

A communication link shall be established at the start of the test, and maintained during the test. During the test, the RXQUAL of the downlink shall not exceed 3, measured during each individual exposure in the test sequence. Both the uplink speech output level and the downlink speech output level shall be at least 35 dB less than the previously recorded reference levels, when measured through an audio band Pass filter of width 200 Hz, centered on 1 kHz (audio breakthrough check). At the conclusion of the test, the EUT shall operate as intended with no loss of user control functions or stored data, and the communication link shall have been maintained.

**PERFORMANCE CRITERIA FOR TT AND TR**

A communications link shall be established at the start of the test. At the conclusion of each exposure the EUT shall operate with no user noticeable loss of the communication link. At the conclusion of the total test comprising the series of individual exposures, the EUT shall operate as intended with no loss of user control functions or stored data, as declared by the manufacturer, and the communication link shall have been maintained.

4.3 GENERAL PERFORMANCE CRITERIA TEST SETUP

The EUT tested system was configured as the statements of **2.2** Unless otherwise a special operating condition is specified in the follows during the testing.

## 4.4 ESD TESTING

### 4.4.1 TEST SPECIFICATION

| | |
|---|---|
| Basic Standard: | IEC/EN 61000-4-2 |
| Discharge Impedance: | 330 ohm / 150 pF |
| Required Performance | B |
| Discharge Voltage: | Air Discharge:2kV/4kV/8kV (Direct)<br>Contact Discharge:2kV/4kV (Direct/Indirect) |
| Polarity: | Positive & Negative |
| Number of Discharge: | Air Discharge: min. 20 times at each test point Contact Discharge: min. 200 times in total |
| Discharge Mode: | DC Discharge |
| Discharge Period: | 1 second minimum |

### 4.4.2 TEST PROCEDURE

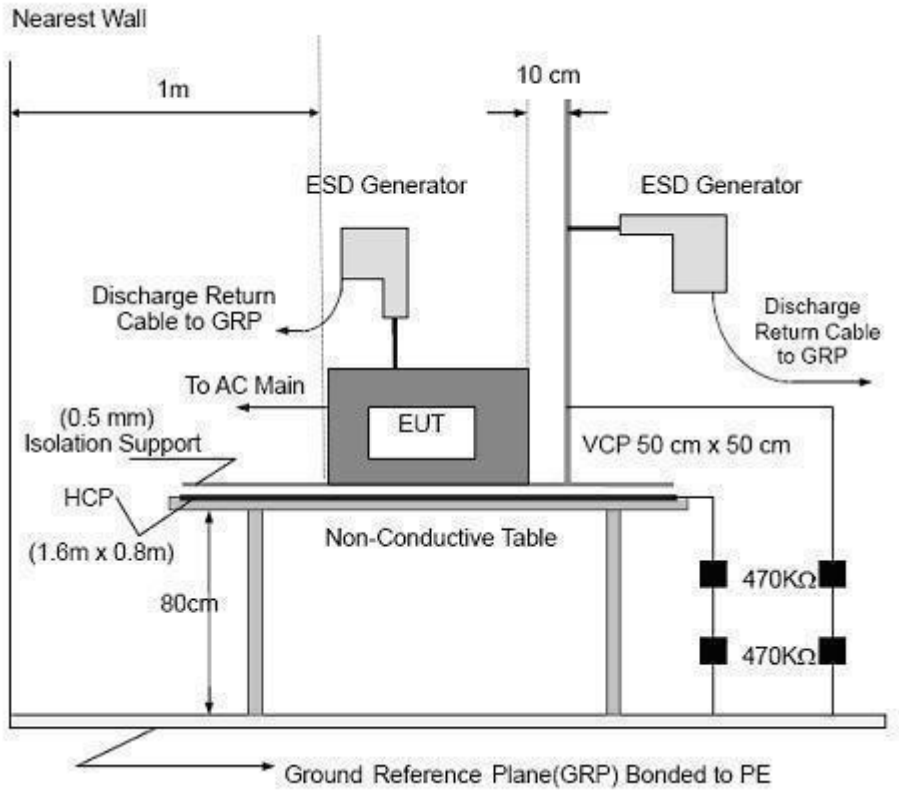
The test generator necessary to perform direct and indirect application of discharges to the EUT in the following manner:

a. Contact discharge was applied to conductive surfaces and coupling planes of the EUT.
During the test, it was performed with single discharges. For the single discharge time between successive single discharges was at least 1 second. The EUT shall be exposed to at least 200 discharges, 100 each at negative and positive polarity, at a minimum of four test points. One of the test points shall be subjected to at least 50 indirect discharges to the center of the front edge of the horizontal coupling plane. The remaining three test points shall each receive at least 50 direct contact discharges.
If no direct contact test points are available, then at least 200 indirect discharges shall be applied in the indirect mode. Test shall be performed at a maximum repetition rate of one discharge per second.
Vertical Coupling Plane (VCP):
The coupling plane, of dimensions 0.5m x 0.5m, is placed parallel to, and positioned at a distance 0.1m from, the EUT, with the Discharge Electrode touching the coupling plane. The four faces of the EUT will be performed with electrostatic discharge.
Horizontal Coupling Plane (HCP):
The coupling plane is placed under to the EUT. The generator shall be positioned vertically at a distance of 0.1m from the EUT, with the Discharge Electrode touching the coupling plane. The four faces of the EUT will be performed with electrostatic discharge.

b. Air discharges at insulation surfaces of the EUT.
It was at least ten single discharges with positive and negative at the same selected point.

c. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

4.4.3 TEST SETUP




Note:

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table 0.8 meters high standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum at least 0.25mm thick, and 2.5 meters square connected to the protective grounding system. A Horizontal Coupling Plane (1.6m x 0.8m) was placed on the table and attached to the GRP by means of a cable with 940k total impedance. The equipment under test, was installed in a representative system as described in section 7 of IEC /EN 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5mm thickness. A distance of1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of IEC/EN 61000-4-2, and its cables were isolated from the Ground Reference Plane by an insulating support of0.1-meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25mm thick, and 2.5meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.

4.4.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | | |

**Test Mode: Bluetooth Mode**

| Mode | Air Discharge | | | | | | | | Contact Discharge | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2KV | | 4KV | | 8KV | | 12KV | | 2KV | | 4KV | | 6KV | | 8KV | |
| Location | P | N | P | N | P | N | P | N | P | N | P | N | P | N | P | N |
| enclosure | A | A | A | A | A | A | | | | | | | | | | |
| slit | A | A | A | A | A | A | | | | | | | | | | |
| Port | A | A | A | A | A | A | | | | | | | | | | |
| HCP | | | | | | | | | A | A | A | A | | | | |
| VCP | | | | | | | | | A | A | A | A | | | | |
| Observation | **TT,TR** | | | | | | | | **TT,TR** | | | | | | | |
| Criteria | **B** | | | | | | | | **B** | | | | | | | |
| Result | **A** | | | | | | | | **A** | | | | | | | |
| Judgment | **PASS** | | | | | | | | **PASS** | | | | | | | |

Note:

1) P/N denotes the Positive/Negative polarity of the output voltage.
2) Test condition:
   Direct / Indirect (HCP/VCP) discharges: Minimum 50 times (Positive/Negative) at each point. Air discharges: Minimum 10 times (Positive/Negative) at each point.
3) Test location(s) in which discharge (Air and contact discharge) to be applied illustrated by photos shown in next page(s)
4) The Indirect (HCP/VCP) discharges description of test point as following:
   1. left side 2.right side 3.front side 4.rear side
5) N/A - denotes test is not applicable in this test report

## 4.5 RS TESTING

### 4.5.1 TEST SPECIFICATION

| | |
|---|---|
| Basic Standard: | IEC/EN 61000-4-3 |
| Required Performance | A |
| Frequency Range: | 40 MHz - 80 MHz ,80MHz-150MHz |
| Field Strength: | 3 V/m |
| Modulation: | 1kHz Sine Wave, 80%, AM Modulation |
| Frequency Step: | 1 % of fundamental |
| Polarity of Antenna: | Horizontal and Vertical |
| Test Distance: | 3 m |
| Antenna Height: | 1.5 m |
| Dwell Time: | at least 3 seconds |

### 4.5.2 TEST PROCEDURE

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber.

The testing distance from antenna to the EUT was 3 meters.

The other condition as following manner:

a. The field strength level was 3V/m.

b. The frequency range is swept from 80 MHz to 1000 MHz, & 1400MHz - 2700MHz with the signal 80%amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.

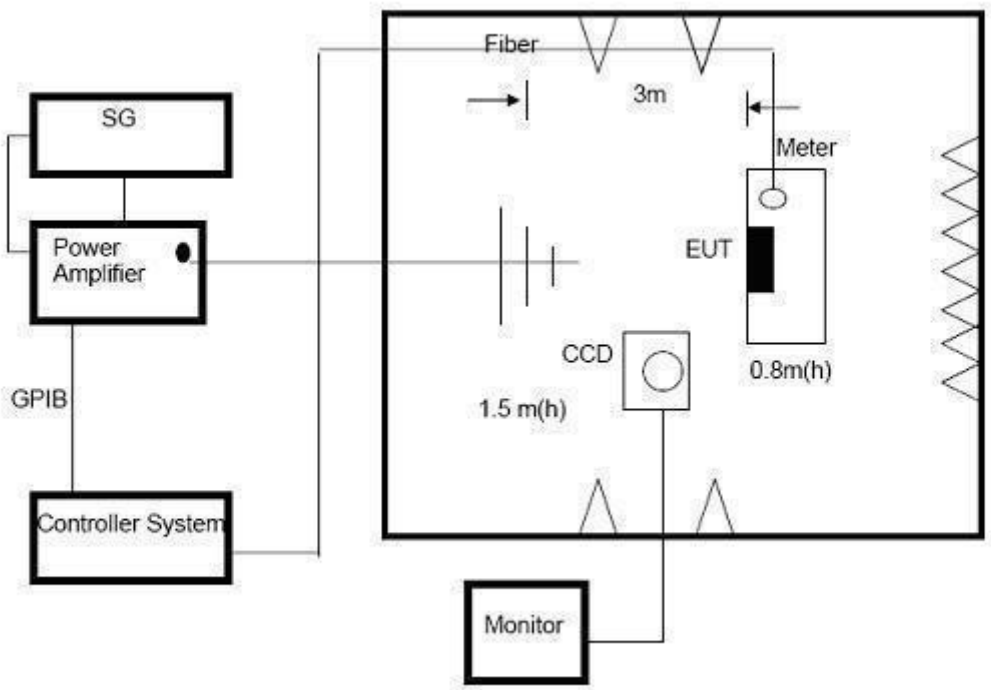
c. Sweep Frequency 900 MHz, with the Duty Cycle:1/8 and Modulation: Pulse 217 Hz(if applicable)

d. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.

e. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

f. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

4.5.3 TEST SETUP




Note:

TABLE-TOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

4.5.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | | |

**Test Mode: Current transmission mode**

| Frequency Range (MHz) | RF Field Position | R.F. Field Strength | Azimuth | Observation | Perform. Criteria | Results | Judgment |
|---|---|---|---|---|---|---|---|
| 80~800<br>1000-1800 | H / V | 3 V/m (rms)<br>AM Modulated<br>46Hz, 90% | Front | **CT,CR** | **A** | **A** | **Pass** |
| | | | Rear | | | | |
| | | | Left | | | | |
| | | | Right | | | | |

Note:

1) P/N denotes the Positive/Negative polarity of the output voltage.
2) N/A - the test is not applicable in this test report.
3) Criteria A: There was no change operated with initial operating during the test.
4) Criteria B: The EUT function loss during the test, but self-recoverable after the test.
5) Criteria C: The system shut down during the test.

## 4.6 EFT/BURST TESTING

### 4.6.1 TEST SPECIFICATION

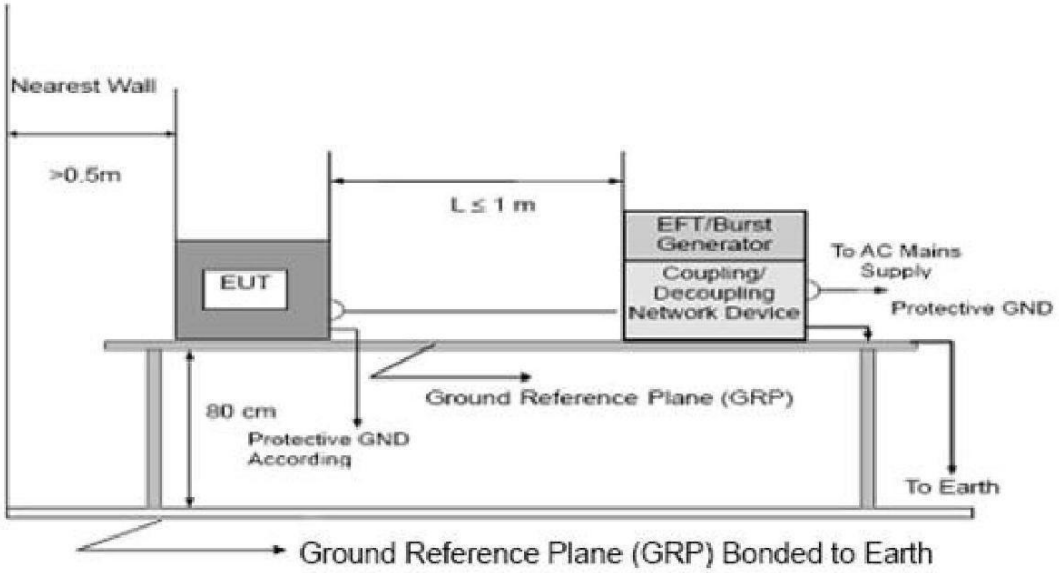
| | |
|---|---|
| Basic Standard: | IEC/EN 61000-4-4 |
| Required Performance | B |
| Test Voltage: | Power Line:1 kV Signal/Control Line:0.5 KV |
| Polarity: | Positive & Negative |
| Impulse Frequency: | 5 kHz |
| Impulse Wave shape : | 5/50 ns |
| Burst Duration: | 15 ms |
| Burst Period: | 300 ms |
| Test Duration: | Not less than 1 min. |

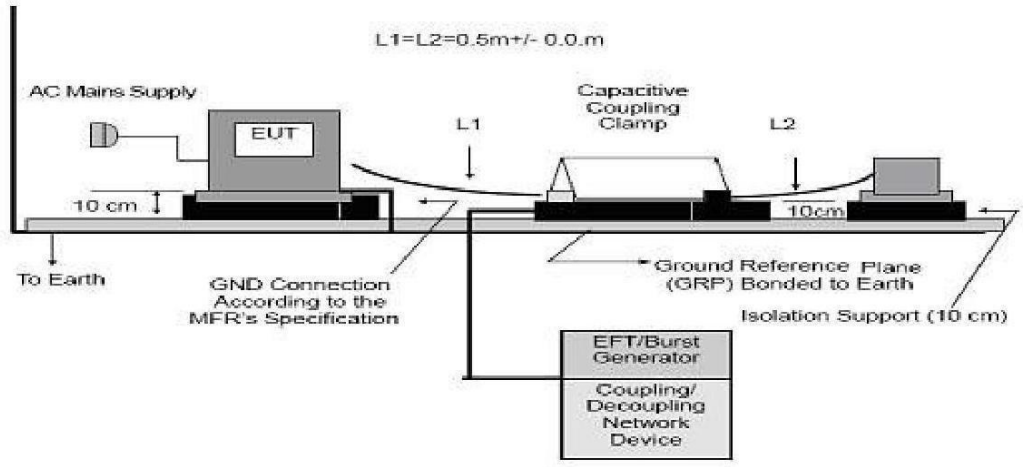
### 4.6.2 TEST PROCEDURE

The EUT and support equipment, are placed on a table that is 0.8 meter above a metal ground plane measured 1m*1m min. and 0.65mm thick min.
The other condition as following manner:

a. The length of power cord between the coupling device and the EUT should not exceed 1 meter.
b. Both positive and negative polarity discharges were applied.
c. The duration time of each test sequential was 1 minute
d. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

4.6.3 TEST SETUP




Note:

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table (0.8m high) standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system. A minimum distance of 0.5m was provided between the EUT and the walls of the laboratory or any other metallic structure.

FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-4 and its cables, were isolated from the Ground Reference Plane by an insulating support that is 0.1-meter thick. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system.

4.6.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | Polarization : | Horizonta |

| Coupling | | Test level (kV) | | | | | | | | Observatio | Criterion | Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.5 | | 1 | | 2 | | 4 | | | | |
| | | + | - | + | - | + | - | + | - | | | |
| DC line | L | A | A | A | A | | | | | TT,T | PASS | PASS |
| | N | A | A | A | A | | | | | | | PASS |
| | PE | | | | | | | | | | | PASS |
| | L+N | A | A | A | A | | | | | | | PASS |
| | L+PE | | | | | | | | | | | PASS |
| | N+PE | | | | | | | | | | | PASS |
| | L+N+PE | | | | | | | | | | | PASS |
| DC Line | | | | | | | | | | | | PASS |
| Signal Line | | | | | | | | | | | | PASS |

Note:

1) P/N denotes the Positive/Negative polarity of the output voltage.

2) N/A - the test is not applicable in this test report

3) Criteria A: There was no change operated with initial operating during the test.

4) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

5) Criteria C: The system shut down during the test.

## 4.7 SURGE TESTING

### 4.7.1 TEST SPECIFICATION

| | |
|---|---|
| Basic Standard: | IEC/EN 61000-4-5 |
| Required Performance | B |
| Wave-Shape: | Combination Wave<br>1.2/50 us Open Circuit Voltage 8 /20 us Short Circuit Current |
| Test Voltage: | Power Line:0.5 kV, 1 kV, 2 kV |
| Surge Input/Output: | L1-L2, L1-PE, L2-PE |
| Generator Source: | 2 ohm between networks |
| Impedance: | 12 ohm between network and ground |
| Polarity: | Positive/Negative |
| Phase Angle: | 0 /90/179/270 |
| Pulse Repetition Rate: | 1 time / min. (maximum) |
| Number of Tests: | 5 positive and 5 negative at selected points |

### 4.7.2 TEST PROCEDURE

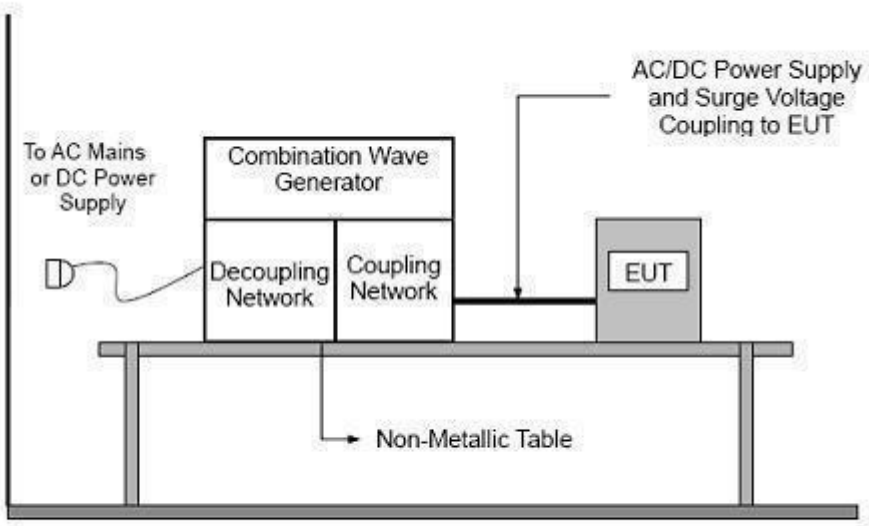
a. For EUT power supply:
The surge is to be applied to the EUT power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave. The power cord between the EUT and the coupling/decoupling networks shall be 2meters in length (or shorter).

b. For test applied to unshielded unsymmetrically operated interconnection lines of EUT:
The surge is applied to the lines via the capacitive coupling. The coupling /decoupling networks shall not influence the specified functional conditions of the EUT. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

c. For test applied to unshielded symmetrically operated interconnection /telecommunication lines of EUT:
The surge is applied to the lines via gas arrestors coupling. Test levels below the ignition point of the coupling arrestor cannot be specified. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

d. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

4.7.3 TEST SETUP



4.7.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | | |

Note:

1) Polarity and Numbers of Impulses:5 Pst / Ngt at each tested mode
2) N/A - the test is not applicable in this Test Report
3) Criteria A: There was no change operated with initial operating during the test.
4) Criteria B: The EUT function loss during the test, but self-recoverable after the test.
5) Criteria C: The system shut down during the test.

| Coupling Line | | | Test level | | | | | | | | Observation | Criterion | Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0.5 kV | | 1 kV | | 2 kV | | 4 kV | | | | |
| | | | + | - | + | - | + | - | + | - | | | |
| DC line | L-N | 0° | A | A | B | B | | | | | TT,TR | B | PASS |
| | | 90° | A | A | B | B | | | | | | | |
| | | 180° | A | A | B | B | | | | | | | |
| | | 270° | A | A | B | B | | | | | | | |
| | L-PE | 0° | | | | | | | | 90° | | | PASS |
| | | | | | | | | | | | | | |
| | | 180° | | | | | | | | 0° | | | |
| | | 90° | | | | | | | | | | | |
| | N- | | | | | | | | | | | | PASS |
| | | | | | | | | | | | | | |
| | | 180° | | | | | | | | | | | |
| | | 270° | | | | | | | | | | | |
| DC Line | | | | | | | | | | | | | PASS |
| Signal Line | | | | | | | | | | | | | N/A |

## 4.8 INJECTION CURRENT TESTING

### 4.8.1 TEST SPECIFICATION

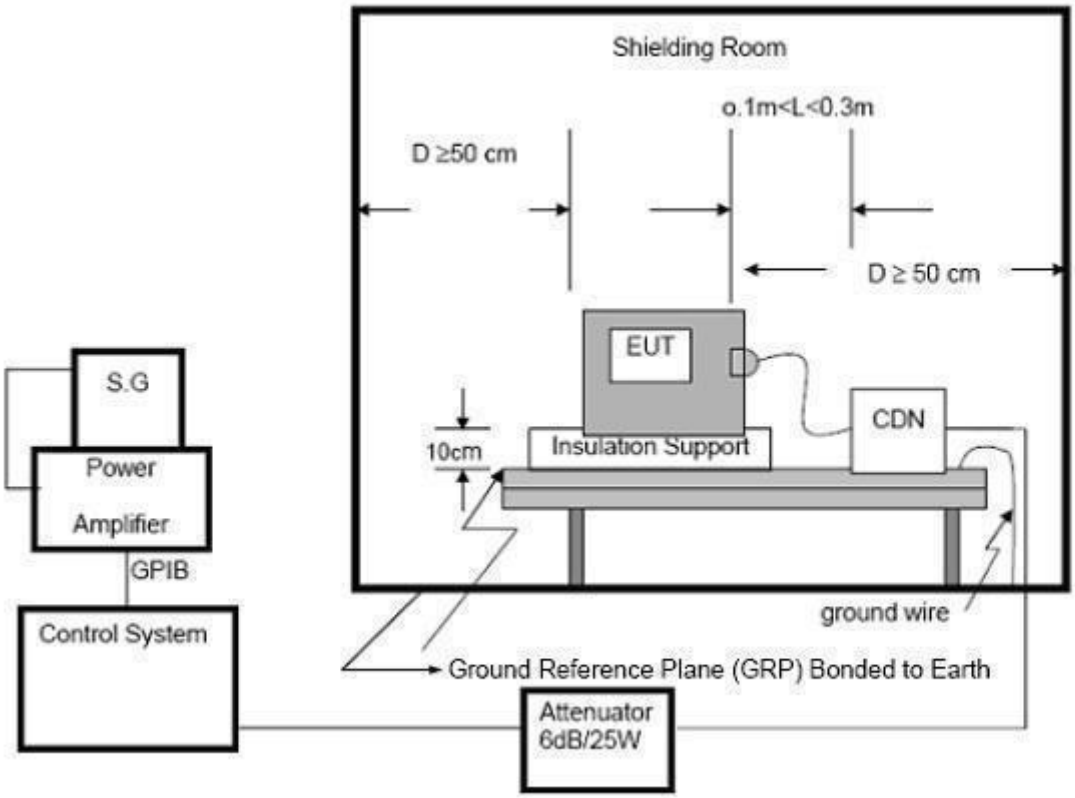
| | |
|---|---|
| Basic Standard: | EMC immunity requirements<br>IEC/EN 55032:2015+A11:2020 |
| Required Performance | A |
| Frequency Range: | 0.15 MHz - 80 MHz |
| Field Strength: | 3 Vr.m.s. |
| Modulation: | 1kHz Sine Wave, 80%, AM Modulation |
| Frequency Step: | 1 % of fundamental |
| Dwell Time: | at least 3 seconds |

### 4.8.2 TEST PROCEDURE

The EUT and support equipment, are placed on a table that is 0.8 meter above a metal ground plane measured 1m*1m min. and 0.65mm thick min.
The other condition as following manner:

a. The field strength level was 3V.
b. The frequency range is swept from 150 KHz to 80 MHz, with the signal 80%amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3decade/s. Where the frequency range is swept incrementally, the step size was 1% offundamental.
c. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
d. For the actual test configuration, please refer to the related Item –EUT TestPhotos.

4.8.3 TEST SETUP




For the actual test configuration, please refer to the related Item –EUT Test Photos.

NOTE:

FLOOR-STANDING EQUIPMENT

The equipment to be tested is placed on an insulating support of 0.1 meters height above a ground reference plane. All relevant cables shall be provided with the appropriate coupling and decoupling devices at a distance between 0.1 meters and 0.3 meters from the projected geometry of the EUT on the ground reference plane.

4.8.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | Polarization : | Horizonta |

| Test Ports (Mode) | Freq. Range MHz) | Field Strength | Observation | Perform. Criteria | Results | Judgment |
|---|---|---|---|---|---|---|
| Input/ Output DC. Power Port | 0.15 ---80 | 3V(rms) AM Modulated 46Hz, 86% | **CT, CR** | **A** | **PASS** | **PASS** |
| Input/ Output DC. Power Port | 0.25 --- 80 | | **PASS** | **PASS** | **PASS** | **PASS** |
| Signal Line | 0.35 --- 80 | | **PASS** | **PASS** | **PASS** | **PASS** |

Note:

1) N/A – the test is not applicable in this Test Report.
2) Criteria A: There was no change operated with initial operating during the test.
3) Criteria B: The EUT function loss during the test, but self-recoverable after the test.
4) Criteria C: The system shut down during the test.

## 4.9 VOLTAGE INTERRUPTION/DIPS TESTING

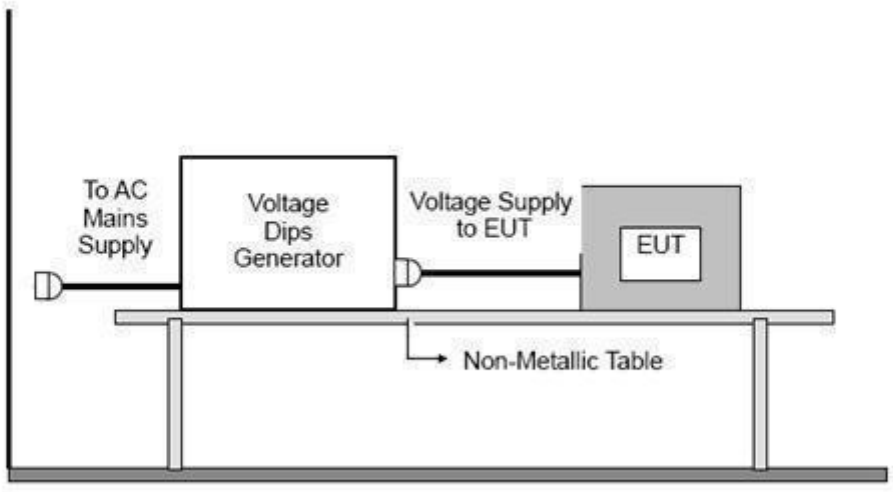
### 4.9.1 TEST SPECIFICATION

| | |
|---|---|
| Basic Standard: | IEC/EN 61000-4-11 |
| Required Performance | B (For 0% Voltage Dips) C (For 70% Voltage Dips)<br>C (For 0% Voltage Interruptions) |
| Test Duration Time: | Minimum three test events in sequence |
| Interval between Event: | Minimum ten seconds |
| Phase Angle: | 0°/45°/90°/135°/180°/225°/270°/315°/360° |
| Test Cycle: | 3 times |

### 4.9.2 TEST PROCEDURE

The EUT shall be tested for each selected combination of test levels and duration with a sequence of three dips/interruptions with intervals of 10 s minimum (between each test event). Each representative mode of operation shall be tested. Abrupt changes in supply voltage shall occur at zero crossings of the voltage waveform.

### 4.9.3 TEST SETUP




For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.9.4 TEST RESULTS

| EUT: | Pet intelligent water dispenser | Model Name : | L01, L01PLUS |
|---|---|---|---|
| Temperature: | 24 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010 hPa | Test Date : | 2020-11-12 |
| Test Power : | Radiation emission | Polarization : | Horizonta |

| Voltage Reduction | Duration (ms) | Observation | Perform Criteria | Results | |
|---|---|---|---|---|---|
| Voltage dip 0% | 1 | **TT, TR** | **B** | | **PASS** |
| Voltage dip 0% | 0 | **TT, TR** | **B** | | **PASS** |
| Voltage dip70% | 500 | **TT, TR** | **B** | | **PASS** |
| Voltage interruptions | 5000 | **TT, TR** | **C** | | **PASS** |

Note:

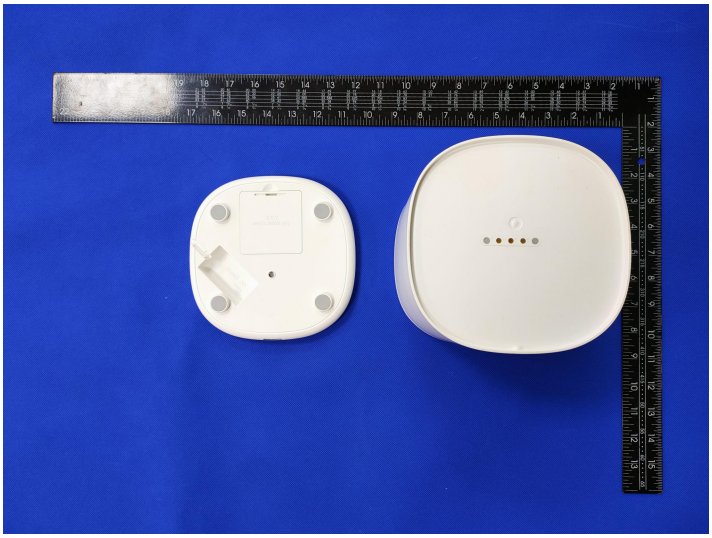
1). N/A - the test is not applicable in this test report.

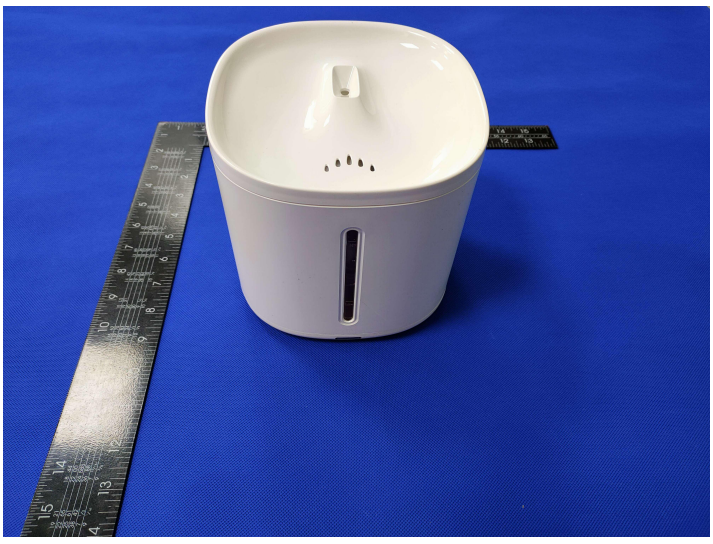
2) Criteria A: There was no change operated with initial operating during the test.

3) Criteria B: The EUT function loss during the test, but self-recoverable after thetest.

4) Criteria C: The system shut down during the test.

## 5. REAL EUT PHOTO





**********END OF REPORT**********