



## RADIO TEST REPORT

For

Mid Ocean Brands B.V.

Table light wireless charger

Test Model: MO6349

Prepared for : Mid Ocean Brands B.V.  
Address : 7/F., King Tower, 111King Lam Street, Cheung ShaWan,  
Kowloon, HongKong.

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
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Date of receipt of test sample : July 19, 2024  
Number of tested samples : 2  
Sample No. : A240712044-1, A240712044-2  
Serial number : Prototype  
Date of Test : July 19, 2024 ~ July 26, 2024  
Date of Report : July 29, 2024





**RADIO TEST REPORT**  
**ETSI EN 303 417 V1.1.1 (2017-09)**

Wireless power transmission systems, using technologies other than radio frequency beam in the 19 - 21 kHz, 59 - 61 kHz, 79 - 90 kHz, 100 - 300 kHz, 6 765 - 6 795 kHz ranges; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

**Report Reference No. .... : LCSA07194066EB**

Date Of Issue..... : July 29, 2024

**Testing Laboratory Name..... : Shenzhen LCS Compliance Testing Laboratory Ltd.**

Address..... : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Testing Location/Procedure..... : Full application of Harmonised standards   
Partial application of Harmonised standards   
Other standard testing method

**Applicant's Name..... : Mid Ocean Brands B.V.**

Address..... : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong.

**Test Specification**

Standard..... : ETSI EN 303 417 V1.1.1 (2017-09)

Test Report Form No. .... : TRF-4-E-161 A/0

TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF..... : Dated 2011-03

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**Test Item Description..... : Table light wireless charger**

Trade Mark..... : N/A

Test Model..... : MO6349

Ratings..... : Input: DC 5V/2A, DC 9V/2A  
Output: DC 5V/1A, DC 9V/1.1A, LED 2W

**Result ..... : Positive**

**Compiled by:**

Ling Zhu/Administrator

**Supervised by:**

Cary Luo/ Technique principal

**Approved by:**

Gavin Liang/ Manager





# RADIO -- TEST REPORT

|   |                                       |
|---|---------------------------------------|
| <b>Test Report No. : LCSA07194066EB</b> | <u>July 29, 2024</u><br>Date of issue |
|---|---------------------------------------|

|                          |   |
|--------------------------|---|
| Test Model.....          | : MO6349  |
| EUT.....                 | : Table light wireless charger  |
| <b>Applicant.....</b>    | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |
| <b>Manufacturer.....</b> | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |
| <b>Factory .....</b>     | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





### Revision History

| Report Version | Issue Date    | Revision Content | Revised By |
|----------------|---------------|------------------|------------|
| 000            | July 29, 2024 | Initial Issue    | --         |
|                |               |                  |            |
|                |               |                  |            |





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# 1. GENERAL INFORMATION

## 1.1. Product Description for Equipment Under Test (EUT)

EUT : Table light wireless charger  
Test Model : MO6349  
Ratings : Input: DC 5V/2A, DC 9V/2A  
Output: DC 5V/1A, DC 9V/1.1A, LED 2W  
Hardware Version : /  
Software Version : /  
Wireless Charging :  
Operating Frequency : 100.0~205.0KHz  
Modulation Type : ASK  
Antenna Type : Coil Antenna





## 1.2. Support equipment List

| Manufacturer                          | Description   | Model              | Serial Number | Certificate |
|---------------------------------------|---------------|--------------------|---------------|-------------|
| SHENZHEN TIANYIN ELECTRONICS CO., LTD | Power Adapter | TPA-46050<br>200UU | --            | CE          |
| Apple                                 | Phone         | ipone 11           | --            | CE          |

Note: Auxiliary equipment is provided by the laboratory.

## 1.3. External I/O

| I/O Port Description | Quantity | Cable |
|----------------------|----------|-------|
| Power Port           | 1        | N/A   |

## 1.4. Objective

The following report of is prepared on behalf of the **Mid Ocean Brands B.V.** in accordance with ETSI EN 303 417 V1.1.1 (2017-09): Wireless power transmission systems, using technologies other than radio frequency beam in the 19 - 21 kHz, 59 - 61 kHz, 79 - 90 kHz, 100 - 300 kHz, 6 765 - 6 795 kHz ranges; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.

The objective is to determine compliance with ETSI EN 303 417 V1.1.1 (2017-09).

## 1.5. Test Methodology

All measurements contained in this report were conducted with ETSI EN 303 417 V1.1.1 (2017-09).

## 1.6. Measurement Uncertainty (95% confidence levels, k=2)

| Test Item                     | Uncertainty            |
|-------------------------------|------------------------|
| Radio Frequency               | 0.9 x 10 <sup>-4</sup> |
| Total RF Power, Conducted     | 1.0 dB                 |
| RF Power Density, Conducted   | 1.8 dB                 |
| Spurious Emissions, Conducted | 1.8 dB                 |
| All Emissions, Radiated       | 3.1 dB                 |
| Temperature                   | 0.5°C                  |
| Humidity                      | 1 %                    |
| DC And Low Frequency Voltages | 1 %                    |







### 1.7. Description of Test Facility

NVLAP Accreditation Code is 600167-0.  
FCC Designation Number is CN5024.  
CAB identifier is CN0071.  
CNAS Registration Number is L4595.

### 1.8. Description Of Test Mode

The EUT has been tested under typical operating condition. No software used to control the EUT for staying in transmitting mode for testing.

\*\*\*Note: The EUT has been tested under normal condition in this report , and only recorded the worst test data in the report.





## 2. SYSTEM TEST CONFIGURATION

### 2.1. Justification

The system was configured for testing in engineering mode.

### 2.2. EUT Exercise Software

N/A.

### 2.3. Special Accessories

N/A.

### 2.4. Block Diagram/Schematics

Please refer to the related document.

### 2.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

### 2.6. Configuration of Test Setup

Please refer to the test setup photo.





### 3. SUMMARY OF TEST RESULTS

| Reference Clause No. | Description Of Test Item                 | Result    |
|----------------------|--|-----------|
| §4.3.2               | Permitted range of operating frequencies | Compliant |
| §4.3.3               | Operating frequency range(s) (OFR)       | Compliant |
| §4.3.4               | H-field requirements                     | Compliant |
| §4.3.5               | Transmitter spurious emissions           | Compliant |
| §4.3.6               | Transmitter out of band (OOB) emissions  | Compliant |
| §4.3.7               | WPT system unwanted conducted emissions  | N/A       |
| §4.4.2               | Receiver blocking                        | Compliant |

Note: N/A means not applicable





## 4. PERMITTED RANGE OF OPERATING FREQUENCIES

### 4.1. Definition

The permitted range of operating frequencies denotes the frequency ranges set out in Table 1. It likewise denotes the respective frequency range for accommodation of the fundamental WPT frequency of the EUT within its operating frequency range (OFR).

Table 1: WPT systems within the permitted frequency bands below 30MHz

|                      | WPT frequency range | Frequency Bands      | WPT systems |
|----------------------|---------------------|----------------------|-------------|
| Transmit and Receive | 1                   | 19 kHz to 21 kHz     | WPT systems |
| Transmit and Receive | 2                   | 59 kHz to 61 kHz     | WPT systems |
| Transmit and Receive | 3                   | 79 kHz to 90 kHz     | WPT systems |
| Transmit and Receive | 4                   | 100 kHz to 119 kHz   | WPT systems |
| Transmit and Receive |                     | 119 kHz to 140 kHz   | WPT systems |
| Transmit and Receive |                     | 140 kHz to 148,5 kHz | WPT systems |
| Transmit and Receive |                     | 148.5 kHz to 300 kHz | WPT systems |
| Transmit and Receive | 5                   | 6765kHz to 6795 kHz  | WPT systems |

### 4.2. Limit

The permitted range of operating frequency range(s) for intentional emissions shall be within 19 - 21 kHz, 59 - 61 kHz, 79 - 90 kHz, 100 - 300 kHz, 6 765 - 6 795 kHz.

Table 2: Overview of operational modes within a WPT system

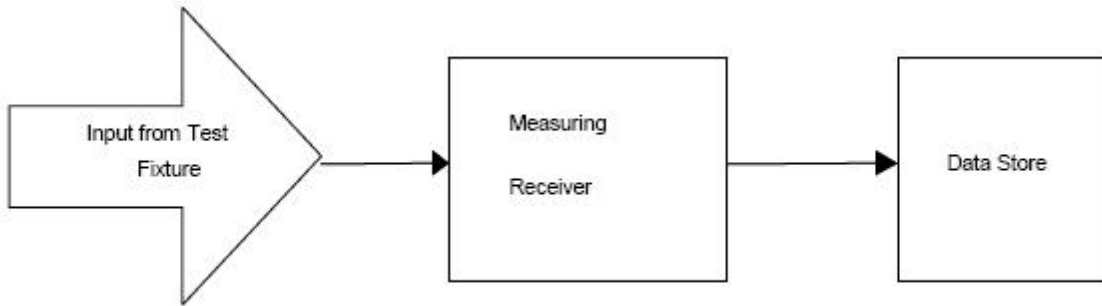
| Operational Mode  | Set-up               | Function of base station | Function of mobile device | Test scenario  | Conformance Requirements   |
|---|----------------------|--------------------------|---------------------------|--|--|
| Mode 1:<br>base station in stand-by, idle mode                                | Single device        | Transmitter              | Not applicable            | Single radiation test (TX) with the base station/charging pad. The test set-up as described in clause 6.1.2 shall be used.   | <ul style="list-style-type: none"> <li>Operating frequency range (clause 4.3.3)</li> <li>H-Field emission (clause 4.3.4)</li> <li>TX spurious (clauses 4.3.5, 4.3.6 and 4.3.7)</li> <li>Performance criteria test (RX test) (clause 4.4)</li> </ul>  |
| Mode 2:<br>Communication before charging, adjustment charging mode / position | In combination       | TX and RX                | TX and RX                 | Specific test setup, declared by the manufacturer. Manufacturer shall declare the maximal distance between base station and mobile device the WPT system is able to communicate (distance D). The test setup- up shall be performed with the largest communication distance. The test set-up as described in clause 6.1.3 shall be used. | <ul style="list-style-type: none"> <li>Operating frequency range (clause 4.3.3)</li> <li>H-Field emission (clause 4.3.4)</li> <li>TX spurious (clauses 4.3.5, 4.3.6 and 4.3.7)</li> <li>Performance criteria test (RX test) (clause 4.4)</li> <li>Wanted performance criteria test (RX test) (clause 4.4)</li> </ul> |
| Mode 3:<br>Communication  | WPT system alignment | TX and RX                | TX and RX                 | Worst case alignment   | <ul style="list-style-type: none"> <li>Operating frequency range (clause 4.3.3)</li> <li>H-Field emission (clause 4.3.4)</li> <li>TX spurious (clauses 4.3.5, 4.3.6 and 4.3.7)</li> <li>Performance criteria test (RX test) (clause 4.4)</li> <li>Wanted performance criteria test (RX test) (clause 4.4)</li> </ul> |
| Mode 4: energy transmission   | WPT system alignment | TX and RX                | TX and RX                 | Both tests can be performed within one set-up, worst-case alignment. The test set-up as described in clause 6.1.4 shall be used.   | <ul style="list-style-type: none"> <li>Operating frequency range (clause 4.3.3)</li> <li>H-Field emission (clause 4.3.4)</li> <li>TX spurious (clauses 4.3.5, 4.3.6 and 4.3.7)</li> <li>Performance criteria test (RX test) (clause 4.4)</li> <li>Wanted performance criteria test (RX test) (clause 4.4)</li> </ul> |





### 4.3. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6 for the measurement method.



### 4.4. Test Result

The manufacturer declared that the WPT system is designed to operate in the frequency ranges 100KHz~205KHz. The justification/test shall be performed for Operating frequency ranges(OFR).



## 5. OPERATING FREQUENCY RANGE(S) (OFR)

### 5.1. Definition

The operating frequency range is the frequency range over which the WPT system is intentionally transmitting (all operational modes, see clause 4.2.3, Table 2).

The operating frequency range(s) of the WPT system are determined by the lowest ( $f_L$ ) and highest frequency ( $f_H$ ) as occupied by the power envelope.

The WPT system could have more than one operating frequency range.

For a single frequency systems the OFR is equal to the occupied bandwidth (OBW) of the WPT system.

For multi-frequency systems the OFR is described in figures 2 and 3.

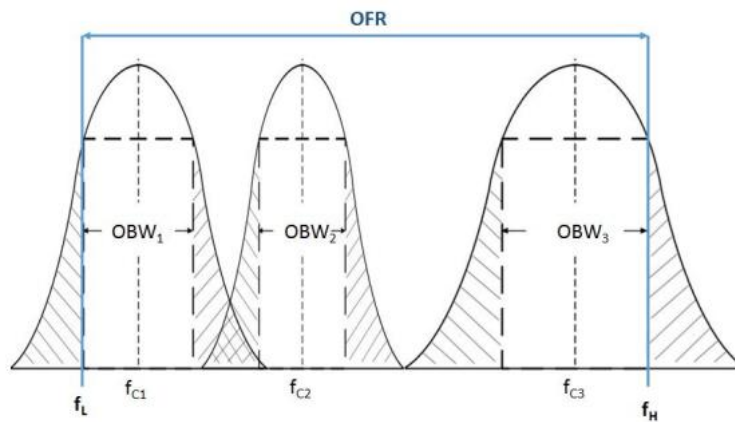


Figure 2: OFR of a multi - frequency WPT system within one frequency range of Table 2 and within one WPT system cycle time

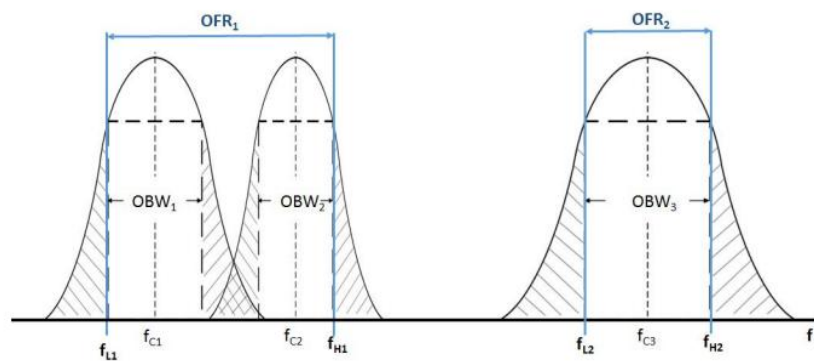


Figure 3: OFR of a multi - frequency WPT system within two frequency ranges of Table 2 and within one WPT system cycle time

### 5.2. Limit

The operating frequency range for emissions shall be within one of the following limits: 19 - 21 kHz, 59 - 61 kHz, 79 - 90 kHz, 100 - 300 kHz, 6 765 - 6 795 kHz.





### 5.3. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6 for the measurement method.

### 5.4. Test Result

**Pass**

Test Voltage: DC 9V (All voltages are tested and only recorded the worst cast which voltage is DC 9V)

Test Mode: Mode 3 (Worst Case)

| Test Result                   |                    |                       |                       |                 |
|-------------------------------|--------------------|-----------------------|-----------------------|-----------------|
| Test Environmental Conditions | Test Voltage (Vdc) | Lower Frequency (KHz) | Upper Frequency (KHz) | Limit           |
| 23.2°C, 53.5%                 | 9                  | 117.49                | 208.28                | 100KHz<f<300KHz |





## 6. H-FIELD REQUIREMENTS

### 6.1. Definition

The radiated H-field is defined in the direction of maximum field strength under specified conditions of measurement.

### 6.2. Limit

The H-field limits are provided in Table 3.

They have been specified for control of any radiated emissions within the OFR originating from the WPT system (power transmission and accompanying data communication).

The H-field limits in Table 3 are EU wide harmonised according to EC Decision 2013/752/EU [i.2]. Further information is available in ERC/REC 70-03 [i.1].

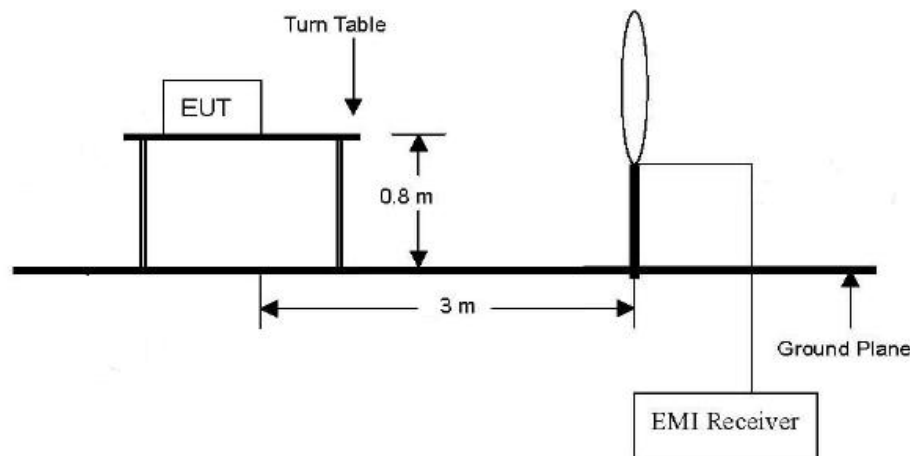
**Table 3 H-field limits at 10 m**

| Frequency range [MHz]   | H-field strength limit [dB $\mu$ A/m at 10 m] | Comments   |
|-------------------------|---|------------|
| $0,019 \leq f < 0,021$  | 72  |            |
| $0,059 \leq f < 0,061$  | 69,1 descending 10 dB/dec above 0,059 MHz     | See note 1 |
| $0,079 \leq f < 0,090$  | 67,8 descending 10 dB/dec above 0,079 MHz     | See note 2 |
| $0,100 \leq f < 0,119$  | 42  |            |
| $0,119 \leq f < 0,135$  | 66 descending 10 dB/dec above 0,119 MHz       | See note 1 |
| $0,135 \leq f < 0,140$  | 42  |            |
| $0,140 \leq f < 0,1485$ | 37,7  |            |
| $0,1485 \leq f < 0,30$  | -5  |            |
| $6,765 \leq f < 6,795$  | 42  |            |

NOTE 1: Limit is 42 dB $\mu$ A/m for the following spot frequencies: 60 kHz  $\pm$  250 Hz and 129,1 kHz  $\pm$  500 Hz.

NOTE 2: At the time of preparation of the present document the feasibility of increased limits for high power wireless power transmission systems to charge vehicles [i.4] was prepared. New specific requirements for such systems (e.g. higher H-field emission limits in the 79 - 90 kHz band) will be reflected within a future revision of the present document.

### 6.3. Test Setup







## 6.4. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6.1&6.2 for the measurement method.

## 6.5. Test Result

### Pass

Test Voltage: DC 9V (All voltages are tested and only recorded the worst cast which voltage is DC 9V)

Normal Condition

Test Mode: Mode 1 (Worst Case: TX 165.0KHz)

| Frequency (KHz) | Antenna Polarity | Measure Level At 3m (dBuA/m) | Calculated Factor (dB, -C <sub>3</sub> ) | Result At 10m (dBuA/m) | Limit At 10m (dBuA/m)                  |
|-----------------|------------------|------------------------------|--|------------------------|--|
| 110             | --               | -5.62                        | -31.4                                    | -37.02                 | 42.0                                   |
| 113             | --               | -7.08                        | -31.4                                    | -38.48                 | 42.0                                   |
| 117             | --               | 6.02                         | -31.4                                    | -25.38                 | 42.0                                   |
| 121             | --               | 5.67                         | -31.4                                    | -25.73                 | 42.0                                   |
| 125             | --               | 4.24                         | -31.4                                    | -27.16                 | 66 descending 3 dB/oct above 0,119 MHz |
| 130             | --               | 8.76                         | -31.4                                    | -22.64                 | 66 descending 3 dB/oct above 0,119 MHz |
| 133             | --               | 4.25                         | -31.4                                    | -27.15                 | 66 descending 3 dB/oct above 0,119 MHz |
| 134.5           | --               | 6.05                         | -31.4                                    | -25.35                 | 66 descending 3 dB/oct above 0,119 MHz |
| 139             | --               | 4.16                         | -31.4                                    | -27.24                 | 42.0                                   |
| 144             | --               | 6.24                         | -31.4                                    | -25.16                 | 37.7                                   |
| 147.5           | --               | 3.75                         | -31.4                                    | -27.65                 | 37.7                                   |
| 150             | --               | 9.03                         | -31.4                                    | -22.37                 | -5.0                                   |
| 165             | --               | 9.20                         | -31.4                                    | -22.20                 | -5.0                                   |
| 205             | --               | 8.01                         | -31.4                                    | -23.39                 | -5.0                                   |

\*\*\*Note:

$$H_{10m}=H_{3m}-C_3$$

The correct factor C<sub>3</sub> is equal to or approximately equal to 31.4dB

All test modes have been tested and only record the worst result.



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Scan code to check authenticity

**Extreme Condition: Lower Temperature -20°C**

Test Mode: Mode 1 (Worst Case: TX 165.0KHz)

| Frequency (KHz) | Measure Level by Probe at 10cm (dBuA/m) | Calculated Factor (dB) | Result At 10m (dBuA/m) | Limit At 10m (dBuA/m)                  |
|-----------------|---|------------------------|------------------------|--|
| 110.00          | 33.05                                   | -60.94                 | -27.89                 | 42.0                                   |
| 113.00          | 32.51                                   | -60.94                 | -28.43                 | 42.0                                   |
| 117.00          | 30.47                                   | -60.94                 | -30.47                 | 42.0                                   |
| 121.00          | 29.62                                   | -60.94                 | -31.32                 | 42.0                                   |
| 125.00          | 27.10                                   | -60.94                 | -33.84                 | 66 descending 3 dB/oct above 0,119 MHz |
| 130.00          | 27.16                                   | -60.94                 | -33.78                 | 66 descending 3 dB/oct above 0,119 MHz |
| 133.00          | 30.44                                   | -60.94                 | -30.50                 | 66 descending 3 dB/oct above 0,119 MHz |
| 134.50          | 26.45                                   | -60.94                 | -34.49                 | 66 descending 3 dB/oct above 0,119 MHz |
| 139.00          | 32.22                                   | -60.94                 | -28.72                 | 42.0                                   |
| 144.00          | 28.02                                   | -60.94                 | -32.92                 | 37.7                                   |
| 147.50          | 33.22                                   | -60.94                 | -27.72                 | 37.7                                   |
| 150.00          | 31.74                                   | -60.94                 | -29.20                 | -5.0                                   |
| 165.00          | 36.05                                   | -60.94                 | -24.89                 | -5.0                                   |
| 205.00          | 24.98                                   | -60.94                 | -35.96                 | -5.0                                   |

## \*\*\*Note:

The correct factor is -60.94dB which is calculated by the reference level measured by probe in normal condition.

All test modes have been tested and only record the worst result.



Shenzhen LCS Compliance Testing Laboratory Ltd.

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Scan code to check authenticity

**Extreme Condition: Lower Temperature +45°C**

Test Mode: Mode 1 (Worst Case: TX 165.0KHz)

| Frequency (KHz) | Measure Level by Probe at 10cm (dBuA/m) | Calculated Factor (dB) | Result At 10m (dBuA/m) | Limit At 10m (dBuA/m)                  |
|-----------------|---|------------------------|------------------------|--|
| 110.00          | 33.17                                   | -60.94                 | -27.77                 | 42.0                                   |
| 113.00          | 32.64                                   | -60.94                 | -28.30                 | 42.0                                   |
| 117.00          | 30.51                                   | -60.94                 | -30.43                 | 42.0                                   |
| 121.00          | 29.75                                   | -60.94                 | -31.19                 | 42.0                                   |
| 125.00          | 27.21                                   | -60.94                 | -33.73                 | 66 descending 3 dB/oct above 0,119 MHz |
| 130.00          | 27.16                                   | -60.94                 | -33.78                 | 66 descending 3 dB/oct above 0,119 MHz |
| 133.00          | 30.45                                   | -60.94                 | -30.49                 | 66 descending 3 dB/oct above 0,119 MHz |
| 134.50          | 26.45                                   | -60.94                 | -34.49                 | 66 descending 3 dB/oct above 0,119 MHz |
| 139.00          | 32.30                                   | -60.94                 | -28.64                 | 42.0                                   |
| 144.00          | 28.16                                   | -60.94                 | -32.78                 | 37.7                                   |
| 147.50          | 33.21                                   | -60.94                 | -27.73                 | 37.7                                   |
| 150.00          | 31.74                                   | -60.94                 | -29.20                 | -5.0                                   |
| 165.00          | 36.11                                   | -60.94                 | -24.83                 | -5.0                                   |
| 205.00          | 25.16                                   | -60.94                 | -35.78                 | -5.0                                   |

## \*\*\*Note:

The correct factor is -60.94dB which is calculated by the reference level measured by probe in normal condition.

All test modes have been tested and only record the worst result.



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## 7. TRANSMITTER SPURIOUS EMISSIONS

### 7.1. Definition

The transmitter spurious emissions for a single frequency system are to be considered in frequency ranges defined in Figure 4 ( $f < f_{SL}$  and  $f > f_{SH}$ ).

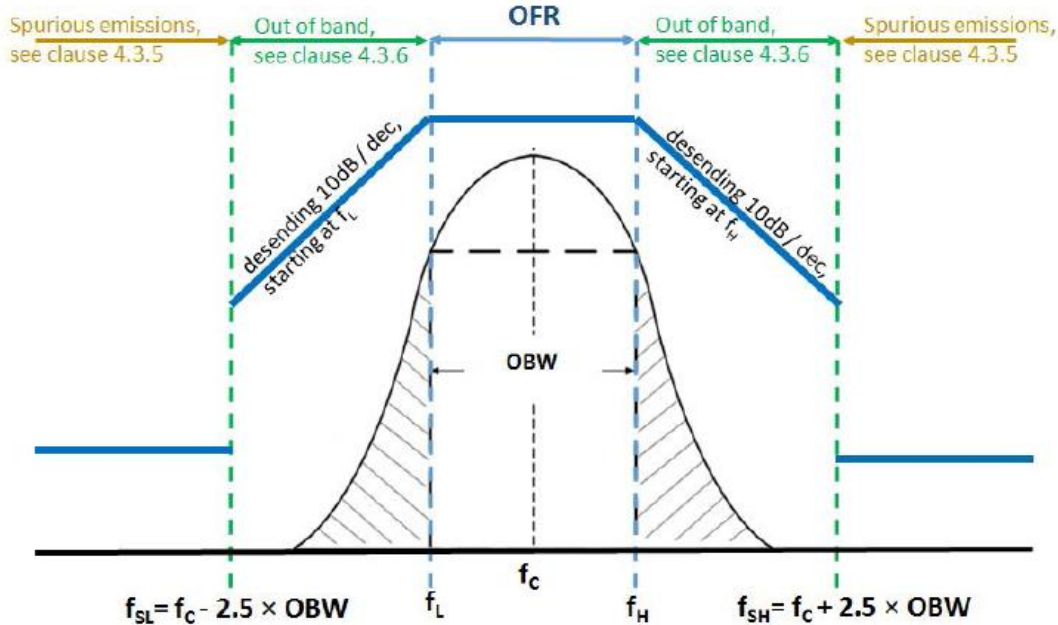


Figure 4

### 7.2. Limit

The radiated field strength of spurious emissions below 30 MHz shall not exceed the generated H-field given in Table 4.

Table 4

| State (see note) | Frequency $9 \text{ kHz} \leq f < 10 \text{ MHz}$ | Frequency $10 \text{ MHz} \leq f < 30 \text{ MHz}$ |
|------------------|---|--|
| Operating        | 27 dB $\mu$ A/m at 9 kHz<br>descending 10 dB/dec  | -3,5 dB $\mu$ A/m                                  |
| Standby          | 5,5 dB $\mu$ A/m at 9 kHz<br>descending 10 dB/dec | -25 dB $\mu$ A/m                                   |

NOTE: "Operating" means mode 2, 3 and 4 according to Table 2; "standby" means mode 1 according to Table 2.

The power of any radiated spurious emission between 30 MHz and 1 GHz shall not exceed the values given in Table 5.

Table 5

| State (see note) | 47 MHz to 74 MHz<br>87,5 MHz to 118 MHz<br>174 MHz to 230 MHz<br>470 MHz to 790 MHz | Other frequencies between 30 MHz to 1 000 MHz |
|------------------|---|---|
| Operating        | 4 nW  | 250 nW  |
| Standby          | 2 nW  | 2 nW  |

NOTE: "Operating" means mode 2, 3 and 4 according to Table 2; "standby" means mode 1 according to Table 2.





### 7.3. Test Setup

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6.

### 7.4. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6.1&6.2 for the measurement method.

### 7.5. Test Result

| The Worst Test Result for Mode 1 (TX 165.0KHz; 9KHz~30MHz) |                        |  |             |
|--|------------------------|--|-------------|
| Frequency (MHz)  | Measure Level (dBuA/m) | Limit (dBuA/m)   | Margin (dB) |
| 0.20   | 7.52                   | 27 dB $\mu$ A/m at 9 kHz descending 3 dB/oct (9KHz – 10MHz)  | -6.06       |
| 0.82   | 0.85                   |  | -6.62       |
| 14.75  | -16.77                 | -3,5 dB $\mu$ A/m (10MHz – 30MHz)                            | -13.27      |
| 21.29  | -14.83                 |  | -11.33      |
| Test Result for Mode 1 (Standby; 9KHz~30MHz)               |                        |  |             |
| Frequency (MHz)  | Measure Level (dBuA/m) | Limit (dBuA/m)   | Margin (dB) |
| 0.23   | -15.32                 | 5.5 dB $\mu$ A/m at 9 kHz descending 3 dB/oct (9KHz – 10MHz) | -6.79       |
| 0.42   | -17.54                 |  | -6.41       |
| 11.13  | -36.75                 | -25 dB $\mu$ A/m (10MHz – 30MHz)                             | -11.75      |
| 22.77  | -40.12                 |  | -15.12      |

#### Remark:

Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. Measured in frequency range from 9k~10th harmonic or 1GHz(which is greater).

**Test Voltage: DC 9V (All voltages are tested and only recorded the worst cast which voltage is DC 9V)**

| The Worst Test Result for Mode 1 (TX 165.0KHz; Above 30MHz) |                     |             |             |            |        |
|---|---------------------|-------------|-------------|------------|--------|
| Frequency (MHz)   | Measure Level (dBm) | Limit (dBm) | Margin (dB) | Pol./Phase | Remark |
| 170.26  | -46.97              | -36.00      | -10.97      | Horizontal | Peak   |
| 299.69  | -48.01              | -36.00      | -12.01      | Horizontal | Peak   |
| 736.62  | -64.15              | -54.00      | -10.15      | Horizontal | Peak   |
| 114.65  | -68.09              | -54.00      | -14.09      | Vertical   | Peak   |
| 362.55  | -52.19              | -36.00      | -16.19      | Vertical   | Peak   |
| 651.33  | -68.70              | -54.00      | -14.70      | Vertical   | Peak   |

Note: We have test all modes and only record the worst result.



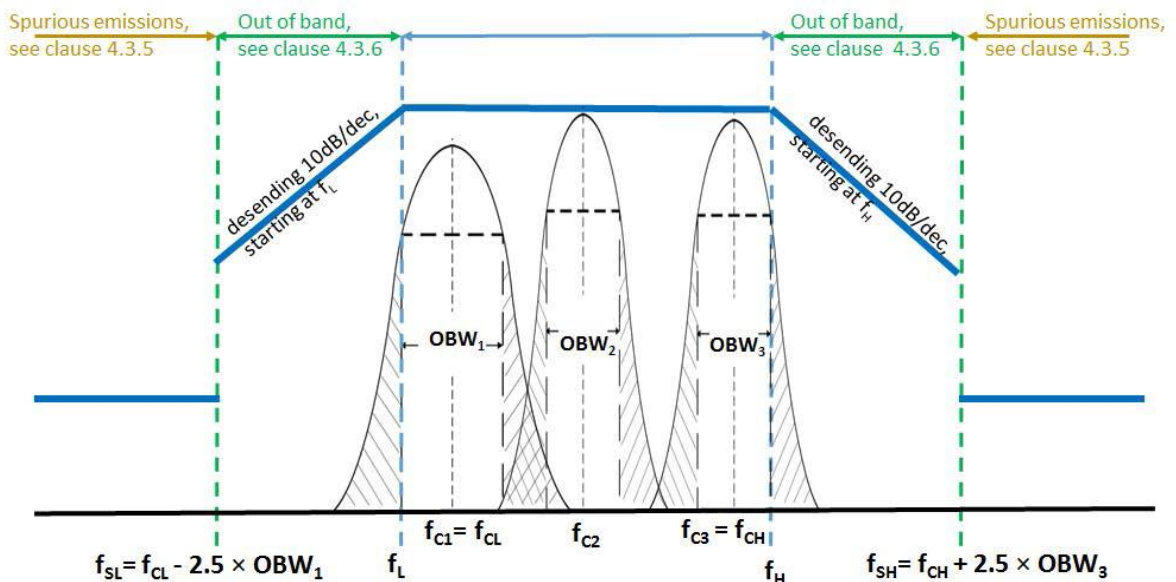
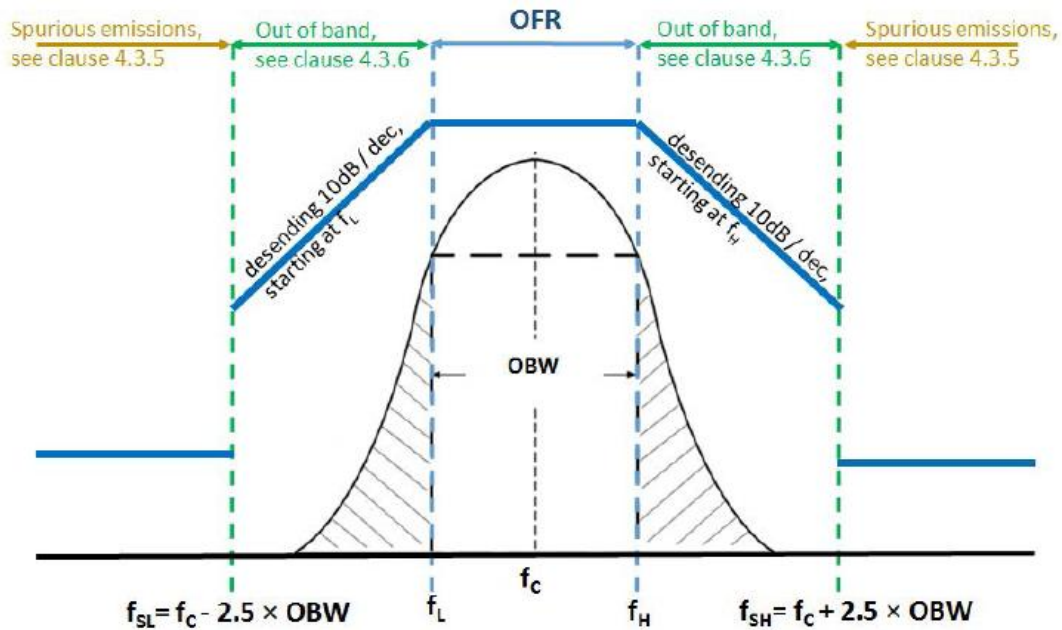
## 8. TRANSMITTER OUT OF BAND (OOB) EMISSIONS

### 8.1. Definition

The WPT system out of band emissions are to be considered in frequency ranges defined in Figure 4 and Figure 5 (between  $f_{SL}$  and  $f_L$  and between  $f_H$  and  $f_{SH}$ ).

### 8.2. Limit

The OOB limits are visualized in figures 4 and 5; they are descending from the intentional limits from Table 3 at  $f_H/f_L$  with 10 dB/decade.





### 8.3. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6.1&6.2 for the measurement method.

### 8.4. Test Result

#### PASS

**Test Voltage: DC 9V (All voltages are tested and only recorded the worst cast which voltage is DC 9V)**

Test Mode: Mode 1

| $f_c$<br>(KHz)     | $f_L$<br>(KHz) | $f_H$<br>(KHz) | OBW<br>(KHz) |
|--------------------|----------------|----------------|--------------|
| 100KHz( $f_{CL}$ ) | 99.936         | 99.973         | 0.037        |
| 205KHz( $f_{CH}$ ) | 204.883        | 204.899        | 0.015        |

| Frequency<br>(KHz)          | Max measured<br>Values<br>At 3m<br>(dBuA/m) | Calculated Factor<br>(dB, $-C_3$ ) | Max measured<br>Values<br>At 10m<br>(dBuA/m) | Limit<br>(dBuA/m) |
|-----------------------------|---|------------------------------------|--|-------------------|
| 99.8300KHz ~<br>100.0000KHz | -7.15                                       | -31.4                              | -38.55                                       | 42.0              |
| 205KHz ~<br>205.1900KHz     | -7.87                                       | -31.4                              | -39.27                                       | -5.0              |

\*\*\*Note:

$$H_{10m} = H_{3m} - C_3$$

The correct factor  $C_3$  is equal to or approximately equal to 31.4dB  
All test modes have been tested and only record the worst result.



## 9. WPT SYSTEM UNWANTED CONDUCTED EMISSIONS

### 9.1. Applicability

This applies to all WPT systems where the cable to the primary coil exceeds a length of 3 m and where the cable is not installed in the ground or any metallic structures.

### 9.2. Definition

WPT system unwanted conducted emissions are based on the emissions of the unwanted common mode current on the cable between the off board power supply and the primary coil seen as a monopole radiator driven against the power supply.

### 9.3. Limit

The common mode current (ICM) between 1 MHz and 30 MHz shall not exceed the following limit:

$$\text{ICM} = 47 - 8 \times \log(f) \text{ dB}\mu\text{A}$$

NOTE: f is the frequency in MHz.

### 9.4. Test Procedure

Please refer to ETSI EN 303 417 V1.1.1 (2017-09) clause 6.2.4 for the measurement method.

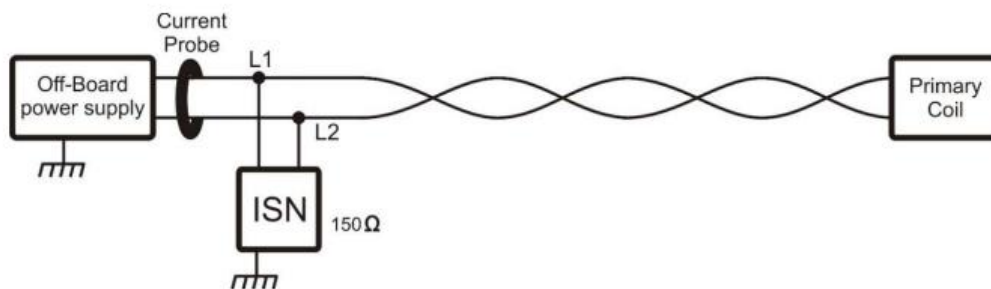


Figure 9: Measurement setup for unwanted conducted emissions

### 9.5. Test Result

NOT Applicable.

Note: The EUT cable to the primary coil is less than a length of 3 m.







## 10. RECEIVER BLOCKING

### 10.1. Definition

Blocking is a measure of the capability of the receiver to receive a wanted signal without exceeding a given degradation due to the presence of an unwanted input signal at any frequencies other than those of the receiver spurious responses.

The test shall be performed in the relevant operational modes (see clause 4.2.3).

The wanted performance criteria from clause 4.2.2 shall be used as criterion for the receiver blocking tests.

### 10.2. Limit

Table 6: Receiver blocking limits

|  | In-band signal  | OOB signal                 | Remote-band signal                   |
|--|---|----------------------------|--------------------------------------|
| Frequency                              | Centre frequency ( $f_c$ ) of the WPT system (see clause 4.3.3) | $f = f_c \pm F$ (see note) | $f = f_c \pm 10 \times F$ (see note) |
| Signal level field strength at the EUT | 72 dB $\mu$ A/m   | 72 dB $\mu$ A/m            | 82 dB $\mu$ A/m                      |
| NOTE: $F = OFR$ see clause 4.3.3.      |   |                            |                                      |



### 10.3. Test Setup

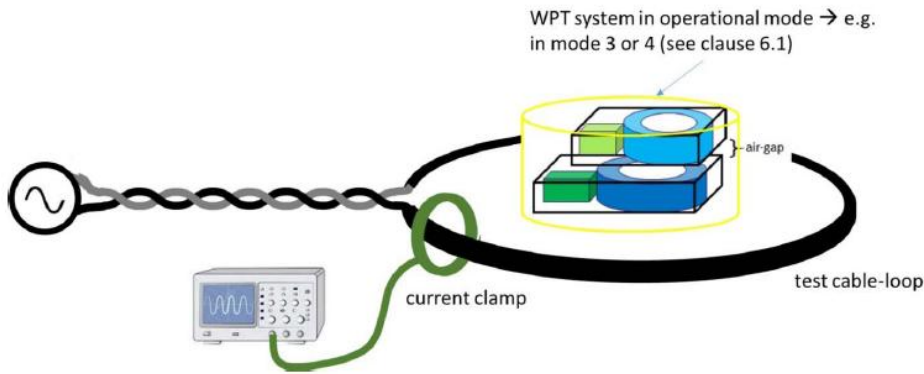


Figure 11: Schematic test set-up for the RX-blocking test

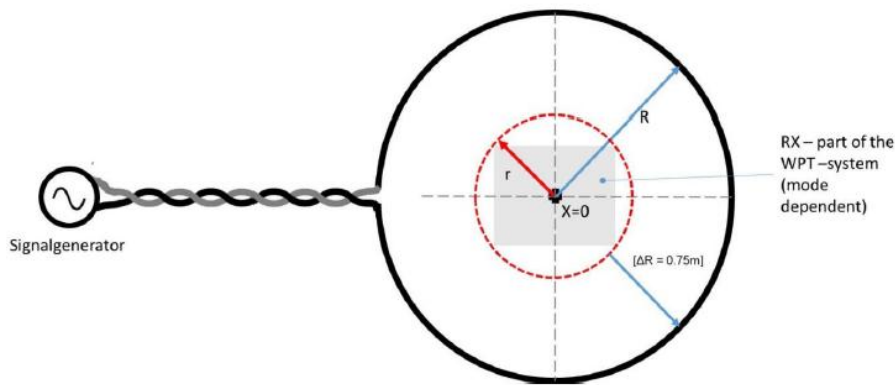


Figure 12: Schematic test set-up for the RX-blocking test

### 10.4. Test Procedure

- a) The fulfilment of the WPT system performance criterion in all possible operational modes (see clause 4.2.3) shall be tested in presence of the inference signals according to Table 6.
- b) The manufacturer shall declare in which device orientation(s) (worst case) the test shall be performed.
- c) The WPT system shall initially operate without interference according to its specified sensitivity (detecting an specific object in the maximum depth as declared by the manufacturer (see clause 4.2.2 on wanted performance criteria)).
- d) The test setup is visualized in the following Figures 11 and 12.
- e) The tool shall be operated as intended (e.g. some tools might require to be moved across the object, some tool can be used stationary).
- f) The test shall be carried out inside a test chamber according to clauses C.1.1 and C.1.2 in ETSI EN 300 330 [1].
- g) A test loop with a radius  $r$  shall be used to create the magnetic field; the test loop shall lie on a non-metallic ground and the minimum distance to metallic objects (e.g. ground plane) shall be 0,75 m.
- h) The EUT shall be placed to the centre of the test-loop (e.g. see Figures 11 and 12).
- i) The test loop shall be sufficiently large so that the test loop itself does not influence the





WPT system; The radius R of the test-loop shall be in minimum  $\Delta R = 0,75$  m larger than the maximum dimension r of the EUT.

- j) (See Figure 12):  $R \geq r + \Delta R$ .
- k) The maximum H-Field can be calculated from the loop current I (into the test-loop) with the following formula:
- l) The required output current to achieve the required magnetic field from Table 12 at the WPT system shall be generated with a signal generator (unmodulated signal) at the test frequencies from Table 6.
- m) For each test frequency the "reaction" of the device shall be recorded and checked against the performance criterion from clause 4.2.2.
- n)

### 10.5. Test Result

PASS.

| EUT Operational Mode | Interference               |                      |  | Conclusion |
|----------------------|----------------------------|----------------------|--|------------|
|                      | Unwanted Input Signal Type | Test Frequency (KHz) | Unwanted Input Signal Level (dB $\mu$ A/m) |            |
| Mode 3 (worst case)  | In-band signal             | fc=165.0KHz          | 72   | PASS       |
|                      | OOB signal                 | fc - OFR             | 72   | PASS       |
|                      |                            | fc + OFR             | 72   | PASS       |
|                      | Remote-band signal         | fc - 10*OFR          | 82   | PASS       |
|                      |                            | fc + 10*OFR          | 82   | PASS       |

Note: F = OFR





## 11. LIST OF MEASURING EQUIPMENT

| Item | Equipment                | Manufacturer | Model No.  | Serial No.  | Cal Date   | Due Date   |
|------|--------------------------|--------------|------------|-------------|------------|------------|
| 1    | EMI Test Software        | Farad        | EZ         | /           | N/A        | N/A        |
| 2    | 3m Full Anechoic Chamber | MRDIANZI     | FAC-3M     | MR009       | 2022-08-17 | 2025-08-16 |
| 3    | Positioning Controller   | Max-Full     | MF7802BS   | MF780208586 | N/A        | N/A        |
| 4    | Active Loop Antenna      | SCHWARZBECK  | FMZB 1519B | 00005       | 2021-08-29 | 2024-08-28 |
| 5    | By-log Antenna           | SCHWARZBECK  | VULB9163   | 9163-470    | 2021-09-12 | 2024-09-11 |
| 6    | EMI Test Receiver        | R&S          | ESR 7      | 101181      | 2024-06-06 | 2025-06-05 |
| 7    | Exposure Level Tester    | Narda        | ELT-400    | N-0713      | 2023-10-18 | 2024-10-17 |
| 8    | B-Field Probe            | Narda        | ELT-400    | M-1154      | 2023-10-18 | 2024-10-17 |





## 12. TEST SETUP PHOTOGRAPHS

Please refer to separated files Appendix D for Photographs of Test Setup\_RF.

## 13. PHOTOGRAPHS OF THE EUT

Please refer to separated files Appendix C for Photographs of The EUT.

-----THE END OF REPORT-----





# HEALTH TEST REPORT

For

Mid Ocean Brands B.V.

Table light wireless charger

Test Model: MO6349

Prepared for : Mid Ocean Brands B.V.  
Address : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong.

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
Address : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tel : (+86)755-82591330  
Fax : (+86)755-82591332  
Web : www.LCS-cert.com  
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : July 19, 2024  
Number of tested samples : 2  
Sample No. : A240712044-1, A240712044-2  
Serial number : Prototype  
Date of Test : July 19, 2024 ~ July 26, 2024  
Date of Report : July 29, 2024



**HEALTHTEST REPORT  
EN IEC 62311: 2020**

Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

|  |  |
|--|--|
| <b>Report Reference No.....</b>  | <b>: LCSA07194066EC</b>  |
| <b>Date of Issue.....</b>  | <b>: July 29, 2024</b>   |
| <b>Testing Laboratory Name.....</b>  | <b>: Shenzhen LCS Compliance Testing Laboratory Ltd.</b>   |
| <b>Address.....</b>  | <b>: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China</b> |
| <b>Testing Location/Procedure.....</b>   | <b>: Full application of Harmonised standards ■<br/>Partial application of Harmonised standards □<br/>Other standard testing method □</b>                      |
| <b>Applicant's Name.....</b>   | <b>: Mid Ocean Brands B.V.</b>   |
| <b>Address.....</b>  | <b>: 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong.</b>   |
| <b>Test Specification</b>  |  |
| <b>Standard.....</b>   | <b>: EN IEC 62311: 2020</b>  |
| <b>Test Report Form No.....</b>  | <b>: TRF-4-E-156 A/0</b>   |
| <b>TRF Originator.....</b>   | <b>: Shenzhen LCS Compliance Testing Laboratory Ltd.</b>   |
| <b>Master TRF.....</b>   | <b>: Dated 2011-03</b>   |
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| <b>Test Item Description.....</b>  | <b>: Table light wireless charger</b>  |
| <b>Trade Mark.....</b>   | <b>: N/A</b>   |
| <b>Test Model.....</b>   | <b>: MO6349</b>  |
| <b>Ratings .....</b>   | <b>: Input: DC 5V/2A, DC 9V/2A<br/>Output: DC 5V/1A, DC 9V/1.1A, LED 2W</b>  |
| <b>Result.....</b>   | <b>: Positive</b>  |

**Compiled by:**

Ling Zhu/Administrator

**Supervised by:**

Cary Luo/ Technique principal

**Approved by:**

Gavin Liang / Manager



Shenzhen LCS Compliance Testing Laboratory Ltd.

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# HEALTH--TEST REPORT

|   |                                       |
|---|---------------------------------------|
| <b>Test Report No. : LCSA07194066EC</b> | <u>July 29, 2024</u><br>Date of issue |
|---|---------------------------------------|

|                          |   |
|--------------------------|---|
| Test Model.....          | : MO6349  |
| EUT.....                 | : Table light wireless charger  |
| <b>Applicant.....</b>    | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |
| <b>Manufacturer.....</b> | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |
| <b>Factory.....</b>      | <b>: Mid Ocean Brands B.V.</b>  |
| Address.....             | : 7/F., King Tower, 111King Lam Street, Cheung ShaWan, Kowloon, HongKong. |
| Telephone.....           | : /   |
| Fax.....                 | : /   |

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.







### Revision History

| Revision | Issue Date    | Revision Content | Revised By |
|----------|---------------|------------------|------------|
| 000      | July 29, 2024 | Initial Issue    | --         |
|          |               |                  |            |
|          |               |                  |            |





## 1. GENERAL INFORMATION

### 1.1. Product Description for Equipment Under Test (EUT)

EUT : Table light wireless charger  
Test Model : MO6349  
Ratings : Input: DC 5V/2A, DC 9V/2A  
Output: DC 5V/1A, DC 9V/1.1A, LED 2W  
Hardware Version : /  
Software Version : /  
Wireless Charging :  
Operating Frequency : 100.0~205.0KHz  
Modulation Type : ASK  
Antenna Type : Coil Antenna





### 1.2. Objective

According to its specifications, the EUT must comply with the requirements of the following standards:

EN IEC 62311: 2020–Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

### 1.3. Test Methodology

All measurements contained in this report were conducted with EN IEC 62311: 2020.

### 1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

### 1.5. Support Equipment List

| Manufacturer                          | Description   | Model           | Serial Number | Certificate |
|---------------------------------------|---------------|-----------------|---------------|-------------|
| SHENZHEN TIANYIN ELECTRONICS CO., LTD | Power Adapter | TPA-46050 200UU | --            | CE          |
| Apple                                 | Phone         | ipone 11        | --            | CE          |

Note: Auxiliary equipment is provided by the laboratory.

### 1.6. External I/O

| I/O Port Description | Quantity | Cable |
|----------------------|----------|-------|
| Power Port           | 1        | N/A   |





### 1.7. Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

### 1.8. Measurement Uncertainty(95% confidence levels, k=2)

| Test Item                     |   | Uncertainty            |
|-------------------------------|---|------------------------|
| Radio Frequency               | : | 0.9 x 10 <sup>-4</sup> |
| Total RF Power, Conducted     | : | 1.0 dB                 |
| RF Power Density, Conducted   | : | 1.8 dB                 |
| Spurious Emissions, Conducted | : | 1.8 dB                 |
| All Emissions, Radiated       | : | 3.1 dB                 |
| Temperature                   | : | 0.5°C                  |
| Humidity                      | : | 1 %                    |
| DC And Low Frequency Voltages | : | 1 %                    |





## 2.HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

### 2.1 Basic Restrictions Reference levels

Council Recommendation 1999/519/EC Annex III

Basic restrictions for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

| Frequency range | Magnetic flux density (mT) | Current density (Ma/m <sup>2</sup> ) (rms) | Whole body average SAR (W/kg) | Localised SAR (head and trunk) (W/kg) | Localised SAR (limbs) (W/kg) | Power density (W/m <sup>2</sup> ) |
|-----------------|----------------------------|--|-------------------------------|---------------------------------------|------------------------------|-----------------------------------|
| 0Hz             | 40                         | -  | -                             | -                                     | -                            | -                                 |
| >0-1Hz          | -                          | 8  | -                             | -                                     | -                            | -                                 |
| 1-4Hz           | -                          | 8/f  | -                             | -                                     | -                            | -                                 |
| 4-1000Hz        | -                          | 2  | -                             | -                                     | -                            | -                                 |
| 1000Hz-100kHz   | -                          | f/500                                      | -                             | -                                     | -                            | -                                 |
| 100kHz-10MHz    | -                          | f/500                                      | 0.08                          | 2                                     | 4                            | -                                 |
| 10MHz-10GHz     | -                          | -  | 0.08                          | 2                                     | 4                            | -                                 |
| 10-300GHz       | -                          | -  | -                             | -                                     | -                            | 10                                |

Note:

1. f is the frequency in Hz.
2. The basic restriction on the current density is intended to protect against acute exposure effects on central nervous system tissues in the head and trunk of the body and includes a safety factor. The basic restrictions for ELF fields are based on established adverse effects on the central nervous system. Such acute effects are essentially instantaneous and there is no scientific justification to modify the basic restrictions for exposure of short duration. However, since the basic restriction refers to adverse effects on the central nervous system, this basic restriction may permit higher current densities in body tissues other than the central nervous system under the same exposure conditions.
3. Because of electrical inhomogeneity of the body, current densities should be averaged over a cross section of 1cm<sup>2</sup> perpendicular to the current direction.
4. For frequencies up to 100 kHz, peak current density values can be obtained by multiplying the rms value by  $\sqrt{2}$ (=1.414). For pulses of duration tp the equivalent frequency to apply in the basic restrictions should be calculated as  $f=1/(2tp)$
5. For frequencies up to 100kHz and for pulsed magnetic fields, the maximum current density associated with the pulses can be calculated from the rise/fall times and the maximum rate of change of magnetic flux density. The induced current density can then be compared with the appropriate basic restriction.
6. All SAR values are to be averaged over any six-minute period.
7. Localised SAR averaging mass is any 10g of contiguous tissue; the maximum SAR so obtained should be the value used for the estimation of exposure. These 10g of tissue are intended to be a mass of contiguous tissue with nearly homogeneous electrical properties. In specifying a contiguous mass of tissue, it is recognised that this concept can be used in computational dosimetry but may present difficulties for direct physical measurements. A simple geometry such as cubic tissue mass can be used provided that the calculated dosimetric quantities have conservation values relative to the exposure guidelines.



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8. For pulses of duration  $t_p$  the equivalent frequency to apply in the basic restrictions should be calculated as  $f = 1/(2t_p)$ . Additionally, for pulsed exposures, in the frequency range 0,3 to 10GHz and for localised exposure of the head, in order to limit and avoid auditory effects caused by thermoelastic expansion, an additional basic restriction is recommended. This is that SA should not exceed  $2\text{mJ kg}^{-1}$  averaged over 10g of tissue.

## 2.2 Reference Levels

Council Recommendation 1999/519/EC Annex III

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

| Frequency range | E-field strength (V/m) | H-field strength (A/m)  | B-field ( $\mu\text{T}$ ) | Equivalent plane wave power density Seq (W/m <sup>2</sup> ) |
|-----------------|------------------------|-------------------------|---------------------------|---|
| 0-1Hz           | -                      | $3,2 \times 10^4$       | $4 \times 10^4$           | -   |
| 1-8Hz           | 1000                   | $3,2 \times 10^4 / f^2$ | $4 \times 10^4 / f^2$     | -   |
| 8-25Hz          | 1000                   | $4000 / f$              | $5000 / f$                | -   |
| 0.025Hz-0,8kHz  | $250 / f$              | $4 / f$                 | $5 / f \cdot 6,25$        | -   |
| 0,8-3kHz        | $250 / f$              | 5                       | 6,25                      | -   |
| 3-150kHz        | 87                     | 5                       | 6,25                      | -   |
| 0,15-1MHz       | 87                     | $0,73 / f$              | $0,92 / f$                | -   |
| 1-10MHz         | $87 / f^{1/2}$         | $0,73 / f$              | $0,92 / f$                | -   |
| 10-400MHz       | 28                     | 0.073                   | 0,092                     | 2   |
| 400-2000MHz     | $1,375 f^{1/2}$        | $0,0037 f^{1/2}$        | $0,0046 f^{1/2}$          | $f / 200$   |
| 2-300GHz        | 61                     | 0,16                    | 0,20                      | 10  |

Note:

- As indicated in the frequency range column.
- For frequencies between 100kHz and 10GHz, Seq, E2, H2 and B2 are to be averaged over any six-minute period.
- For frequencies exceeding 10GHz, Seq, E2, H2 and B2 are to be averaged over any 68/.1.05-minute period (.in GHz).
- No E-field value is provided for frequencies  $< 1\text{Hz}$ , which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than  $20\text{kV/m}$ . Spark discharges causing stress or annoyance should be avoided.



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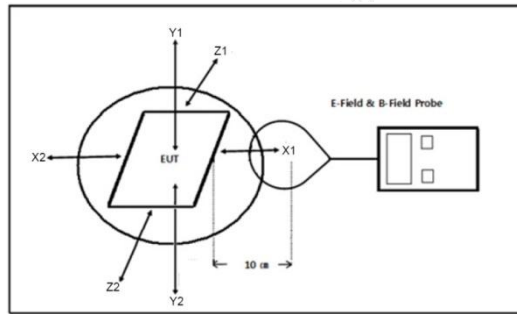
### 3. RF EXPOSURE EVALUATION

#### 3.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

| Item | Equipment             | Manufacturer | Model No. | Serial No. | Last Cal.  | Due. Date  |
|------|-----------------------|--------------|-----------|------------|------------|------------|
| 1    | Exposure Level Tester | Narda        | ELT-400   | N-0713     | 2023-10-18 | 2024-10-17 |
| 2    | B-Field Probe         | Narda        | ELT-400   | M-1154     | 2023-10-18 | 2024-10-17 |

#### 3.2. Block Diagram of Test Setup



\*Note:

- Position A: Back Side of the EUT
- Position B: Left Side of the EUT
- Position C: Front Side of the EUT
- Position D: Right Side of the EUT
- Position E: Top Side of the EUT
- Position F: Bottom Side of the EUT

#### 3.3. Test Results

##### H-field Strength Test Result:

Test condition: Wireless Charging mode

| Frequency Range(KHz) | Probe Position Hx1 (A/m) | Probe Position Hx2 (A/m) | Probe Position Hy1 (A/m) | Probe Position Hy2 (A/m) | Probe Position Hz1 (A/m) | Probe Position Hz2 (A/m) | ResultH (A/m) | Limit (A/m) |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------|-------------|
| 165.0                | 0.13                     | 0.12                     | 0.10                     | 0.09                     | 0.09                     | 0.08                     | 0.187         | 4.242       |

$$H = \sqrt{H_x^2 + H_y^2 + H_z^2} = \sqrt{0.13^2 + 0.10^2 + 0.09^2} \text{ A/m} = 0.187 \text{ A/m}$$

$$\text{Limit} = 0.73 / 0.165 \text{ A/m} = 4.242 \text{ A/m}$$

Note: All test modes have been tested and only record the worst result.

-----THE END OF REPORT-----

