

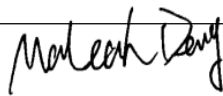
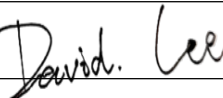
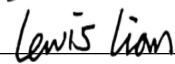
# RF EXPOSURE Test Report

**Report No.** : MTi250520022-0105E4  
**Date of issue** : 2025-12-23  
**Applicant** : Shenzhen Times Superior Technology Co., Ltd.  
**Product** : All-in-1 Music Magnetic Wireless Charger  
**Model(s)** : Z6  
**FCC ID** : 2A5JS-Z6

**Shenzhen Microtest Co., Ltd.**

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|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Test Result Certification</b> |                                                                                                                                  |                                                                                       |
| Applicant                        | Shenzhen Times Superior Technology Co., Ltd.                                                                                     |                                                                                       |
| Applicant Address                | 4668, 4th Floor, Building 202, Pengji Industrial Plant, Shangbu Industrial Zone Huaqiang North Street, Futian District, Shenzhen |                                                                                       |
| Manufacturer                     | Shenzhen Times Superior Technology Co., Ltd.                                                                                     |                                                                                       |
| Manufacturer Address             | 4668, 4th Floor, Building 202, Pengji Industrial Plant, Shangbu Industrial Zone Huaqiang North Street, Futian District, Shenzhen |                                                                                       |
| <b>Product description</b>       |                                                                                                                                  |                                                                                       |
| Product name                     | All-in-1 Music Magnetic Wireless Charger                                                                                         |                                                                                       |
| Trademark                        | TIMESS                                                                                                                           |                                                                                       |
| Model name                       | Z6                                                                                                                               |                                                                                       |
| Series Model(s)                  | N/A                                                                                                                              |                                                                                       |
| Standards                        | 47 CFR Part 2.1091                                                                                                               |                                                                                       |
| Test method                      | KDB 447498 D01 v06                                                                                                               |                                                                                       |
| <b>Testing Information</b>       |                                                                                                                                  |                                                                                       |
| Date of test                     | 2025-12-05 to 2025-12-19                                                                                                         |                                                                                       |
| Test Result                      | Pass                                                                                                                             |                                                                                       |
| Prepared by:                     | Letter Lan                                                                                                                       |  |
| Reviewed by:                     | David Lee                                                                                                                        |  |
| Approved by:                     | Lewis Lian                                                                                                                       |  |

## 1 RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) Radiation as specified in §1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposure</b>         |                               |                               |                                     |                          |
| 0.3-3.0                                                        | 614                           | 1.63                          | *100                                | 6                        |
| 3.0-30                                                         | 1842/f                        | 4.89/f                        | *900/f <sup>2</sup>                 | 6                        |
| 30-300                                                         | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1,500                                                      |                               |                               | f/300                               | 6                        |
| 1,500-100,000                                                  |                               |                               | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3-1.34                                                       | 614                           | 1.63                          | *100                                | 30                       |
| 1.34-30                                                        | 824/f                         | 2.19/f                        | *180/f <sup>2</sup>                 | 30                       |
| 30-300                                                         | 27.5                          | 0.073                         | 0.2                                 | 30                       |
| 300-1,500                                                      |                               |                               | f/1500                              | 30                       |
| 1,500-100,000                                                  |                               |                               | 1.0                                 | 30                       |

f = frequency in MHz \* = Plane-wave equivalent power density

MPE Calculation Method

Friis transmission formula:  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$

Where

$P_d$  = Power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

$\pi$  = 3.1415926

R = distance between observation point and center of the radiator in cm(20cm)

$P_d$  the limit of MPE, 1mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

## 2 Measurement Result

**BT:**

Operation Frequency: 2402-2480MHz,  
Power density limited: 1mW/ cm<sup>2</sup>

Antenna Type: PCB Antenna

Antenna gain: -0.347dBi

R=20cm

mW=10<sup>^(dBm/10)</sup>

Antenna gain Numeric=10<sup>^(dBi/10)</sup>= 10<sup>^(-0.347/10)</sup>=0.92

**BT:**

| Channel Freq.<br>(MHz) | modulation | conducted power | Tune-up power<br>(dBm) | Max           |       | Antenna |         | Evaluation result     | Power density Limits  |
|------------------------|------------|-----------------|------------------------|---------------|-------|---------|---------|-----------------------|-----------------------|
|                        |            | (dBm)           |                        | tune-up power |       | Gain    |         | (mW/cm <sup>2</sup> ) | (mW/cm <sup>2</sup> ) |
|                        |            |                 |                        | (dBm)         | (mW)  | (dBi)   | Numeric |                       |                       |
| 2402                   | GFSK       | -2.28           | (-2)±1                 | -1            | 0.794 | -0.347  | 0.92    | 0.0001                | 1                     |
| 2441                   |            | -1.47           | (-1)±1                 | 0             | 1.000 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2480                   |            | -1.57           | (-1)±1                 | 0             | 1.000 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2402                   | π/4-DQPSK  | -0.24           | 0±1                    | 1             | 1.259 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2441                   |            | 0.54            | 0±1                    | 1             | 1.259 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2480                   |            | 0.45            | 0±1                    | 1             | 1.259 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2402                   | 8DPSK      | 0.24            | 0±1                    | 1             | 1.259 | -0.347  | 0.92    | 0.0002                | 1                     |
| 2441                   |            | 1               | 1±1                    | 2             | 1.585 | -0.347  | 0.92    | 0.0003                | 1                     |
| 2480                   |            | 1.18            | 1±1                    | 2             | 1.585 | -0.347  | 0.92    | 0.0003                | 1                     |

### Conclusion:

#### SIMULTANEOUS TRANSMISSIONS

When a number of sources at different frequencies, and/or broadband sources, contribute to the total exposure, it becomes necessary to weigh each contribution relative to the MPE. To comply with the MPE, the fraction of the MPE in terms of E<sub>2</sub>, H<sub>2</sub> (or power density) incurred within each frequency interval should be determined and the sum of all such fractions should not exceed unity. In order to ensure compliance with the MPE for a controlled environment, the sum of the ratios of the power density to the corresponding MPE should not exceed unity. That is

$$\sum_{i=1}^n \frac{S_i}{MPE_i} \leq 1$$

Simultaneous transmit:

| Operating Band | The MPE ratio |
|----------------|---------------|
| Bluetooth      | 0.0003        |
| WPT            | 0.0245        |

WPT+Bluetooth=0.0003+0.0245=0.0248

For the max result: 0.0248 ≤ 1.0 test exclusion threshold, No SAR is required.

## Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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