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## mooas MC-W8

# mooas Mini Square 15W Fast Wireless Charging Clock User Manual

Model: MC-W8

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your mooas Mini Square 15W Fast Wireless Charging Clock. Please read this manual thoroughly before using the product and retain it for future reference. The mooas Mini Square 15W Fast Wireless Charging Clock is a versatile device that combines a digital alarm clock with a powerful 15W wireless charging pad. Its compact design and multiple features make it suitable for various environments, including offices, bedrooms, and living rooms.

## PRODUCT OVERVIEW



**Figure 1:** The mooas Mini Square 15W Fast Wireless Charging Clock in both Dark Gray and Beige, showcasing its compact design and wireless charging capability with a smartphone.



## Components

Charger, Type-C USB Cable, Manual

## Material

ABS, PC

## Weight

0.29 lb

## Size

3.3 x 3.5 x 1.3 inch (W x D x H)

## Wireless Output

Max. 15W

**Figure 2:** Detailed view of the product's components, material, weight, size, and wireless output. The package includes the charger, a Type-C USB cable, and the manual.

### Key Features:

- **15W Fast Wireless Charging:** Supports various charging outputs (3W, 5W, 7.5W, 10W, 15W) for quick device charging.
- **Dual Charging Modes:** Functions as both a flat charging pad and a foldable stand for horizontal or vertical device placement.
- **Digital Alarm Clock:** Features a clear LED display with adjustable brightness and a snooze function.
- **Safety Protections:** Equipped with Foreign Object Detection (FOD), Over-Voltage Protection (OVP), and Temperature Sensor Control (TSC).
- **Time Memory:** Includes a CR2032 battery to retain time settings during power outages.
- **Wide Compatibility:** Compatible with a broad range of wireless charging-enabled smartphones and devices, including iPhone, Samsung, LG, AirPods, and Galaxy Buds.

### PACKAGE CONTENTS

Please verify that all items are present in the package:

- mooas Mini Square 15W Fast Wireless Charging Clock
- USB Type-C Charging Cable (Fast charging cable)
- User Manual (This document)

## SETUP

### Initial Setup:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect Power:** Insert the provided USB Type-C cable into the "POWER PORT" on the back of the clock. Connect the other end of the cable to a compatible power adapter (not included). For fast charging, a QC 3.0 (9V 1.67A or 12V 1.5A) adapter is required.
3. **Power On:** The clock display will illuminate once connected to power.



Figure 3: Illustration of connecting the USB Type-C cable to the clock's power port for initial setup and power supply.

### Setting the Time:

1. **Enter Time Setting Mode:** Press the "TIME" button (Button 1 on the diagram) located on the bottom of the clock. The hour digits will begin to flash.
2. **Adjust Hour:** Use the "+" and "-" buttons (Buttons 4 and 5) to set the correct hour.
3. **Confirm Hour:** Press the "TIME" button again to confirm the hour. The minute digits will begin to flash.
4. **Adjust Minute:** Use the "+" and "-" buttons to set the correct minute.
5. **Confirm Time:** Press the "TIME" button one more time to save the time settings.
6. **12/24H Mode:** To switch between 12-hour and 24-hour display modes, press the "TIME" button while the time is displayed.

# Alarm Clock

Desk clock that supports mode change of alarm, snooze and time display



Figure 4: Diagram illustrating the clock's display elements and control buttons on the bottom for time and alarm settings.

Your browser does not support the video tag.

**Video 1:** This video demonstrates how to set the time and adjust the brightness levels of the mooas Mini Square Wireless Charging Clock, showing the ease of use for these functions.

## OPERATING INSTRUCTIONS

### Wireless Charging:

The clock supports up to 15W fast wireless charging. Ensure your device is compatible with wireless charging.

1. **Placement:** Place your wireless charging-enabled device (smartphone, earbuds, etc.) on the center of the charging pad.
2. **Charging Indicator:** The charging indicator on the clock display will show the current charging level.
3. **Fast Charging:** For optimal fast charging, use a QC 3.0 (9V 1.67A or 12V 1.5A) power adapter and the included 2A fast charging cable.

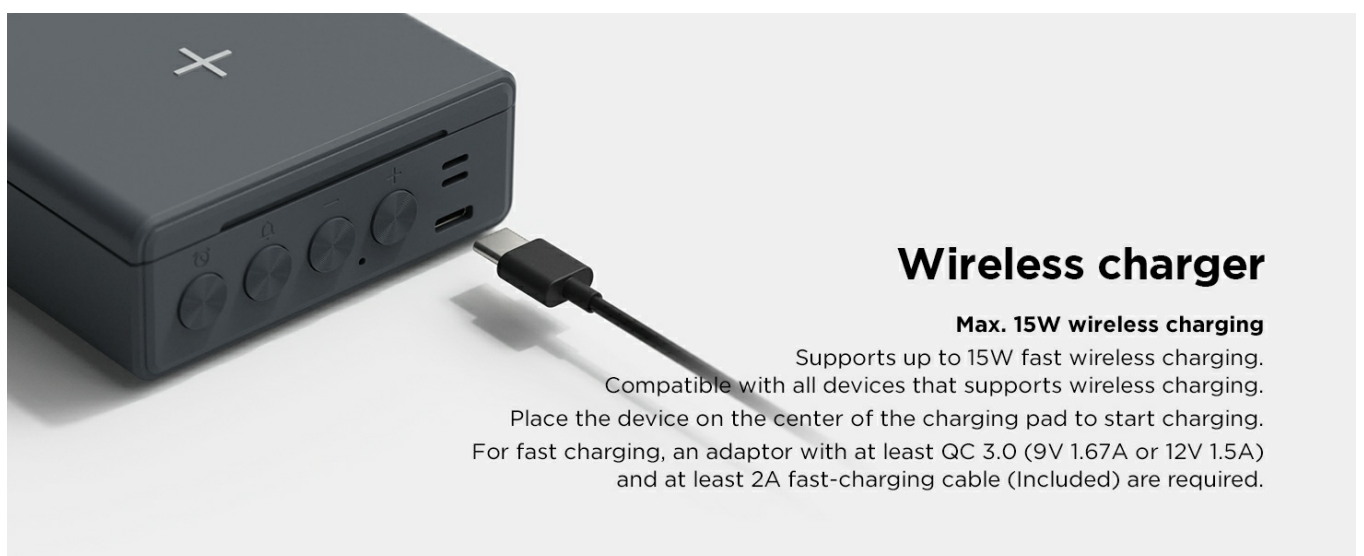




# Fast Wireless Charging

Support **up to 15W** fast Wireless Charging

**Figure 5:** A smartphone being wirelessly charged on the clock's pad, demonstrating the fast wireless charging capability.



## Wireless charger

### Max. 15W wireless charging

Supports up to 15W fast wireless charging.

Compatible with all devices that supports wireless charging.

Place the device on the center of the charging pad to start charging.

For fast charging, an adaptor with at least QC 3.0 (9V 1.67A or 12V 1.5A) and at least 2A fast-charging cable (Included) are required.

**Figure 6:** Information regarding the 15W wireless charging feature, emphasizing the need for a QC 3.0 adapter and 2A fast charging cable for optimal performance.

## Charging Modes (Pad & Stand):

The foldable charging pad allows for two charging orientations:

- **Pad Mode:** Keep the charging surface flat. Place your device directly on the pad for charging.
- **Stand Mode:** Fold the charging surface upwards to create a stand. You can place your phone horizontally or vertically on the stand while it charges, providing an optimal viewing angle for videos.

# Foldable Charger

Convenient Use of Smartphone while Charging with Standing Type Wireless Charger



**Figure 7:** Visual representation of the foldable charging mechanism, allowing the device to switch between flat pad mode and upright stand mode.

# Good Viewing Angle

Standing angle  
supports optimal view for watching videos



**Figure 8:** A smartphone placed on the clock in stand mode, illustrating the good viewing angle for media consumption while charging.

*Note: Some heavier phones may not be stable in vertical stand mode; horizontal placement is recommended in such cases.*

## Alarm and Snooze:

1. **Setting Alarm:** Press the "ALARM" button (Button 2 on the diagram). The hour digits will flash. Use "+" and "-" buttons to set the hour, then press "ALARM" again. The minute digits will flash. Use "+" and "-" buttons to set the minute, then press "ALARM" again to save.
2. **Activating/Deactivating Alarm:** Press the "ALARM" button once to toggle the alarm on or off. An alarm icon will appear on the display when active.
3. **Snooze:** When the alarm rings, short press the top of the clock to activate snooze. The alarm will sound again after 9 minutes. A "ZZZ" icon will appear on the display.
4. **Turning Off Alarm:** To turn off the alarm completely before the next snooze interval, long press the top of the clock.



## 2 ways of charging

### Wireless charging in pad or stand mode

With foldable wireless charging pad, charge your device in 2 ways in pad or stand mode.

When charging in stand mode, you can place the phone horizontally or vertically and use the phone even when charging.

Standing pad offers the best viewing angle for watching videos even when charging.

\* Please note that some phones may not be able to place vertically due to heavy weight. In this case, it is recommended to place the phones horizontally.



Figure 9: Instructions for activating and deactivating the snooze function by short or long pressing the top of the clock.

### Adjusting Display Brightness:

The LED display has 3 brightness levels (High, Medium, Low) and an OFF mode.

- **Adjust Brightness:** In time display mode, short press the top of the clock to cycle through the brightness levels: High → Medium → Low → OFF.



## Adjustable brightness

### 3 Levels of brightness

The LED display brightness is adjustable in 3 levels in high, medium and low. Short press the pad on top in time display mode to adjust the brightness.

Figure 10: Visual guide to the three adjustable brightness levels of the LED display, including the option to turn the display off.

## MAINTENANCE

### Cleaning:

- Wipe the surface of the clock with a soft, dry cloth.
- Do not use abrasive cleaners or solvents, as they may damage the finish.

### Storage:

- When not in use for extended periods, disconnect the power cable.
- Store the clock in a cool, dry place away from direct sunlight and extreme temperatures.

### Time Memory Battery:

The clock is equipped with a CR2032 time memorizing battery. This battery retains the time settings even when the main power is disconnected. Replacement of this battery is generally not required under normal use for many years.

**TROUBLESHOOTING**

Problem	Possible Cause	Solution
Clock display is off or flickering.	Power cable not properly connected; brightness set to OFF; power adapter issue.	Ensure USB-C cable is securely connected. Press the top of the clock to cycle brightness levels. Try a different power adapter.
Wireless charging is not working.	Device not properly aligned; foreign object on pad (FOD activated); device not wireless charging compatible; power adapter insufficient.	Reposition device on the center of the pad. Remove any metal objects. Verify device compatibility. Use a QC 3.0 adapter.
Alarm does not sound.	Alarm not activated; volume too low (if applicable, though this model doesn't specify volume control).	Ensure alarm is set and activated (alarm icon visible). Check if the clock is muted or if there's an external sound setting.
Time setting is lost after power disconnection.	CR2032 time memory battery may be depleted (unlikely for new product).	The CR2032 battery is designed for long-term memory. If this occurs frequently, contact customer support.
Phone unstable in stand mode.	Phone is too heavy or has an uneven back.	Try placing the phone horizontally in stand mode, or use pad mode for heavier devices.

# Safe Use

Safe to use with a software that prevents overheating, overvoltage, over-charging.



**Figure 11:** Explanation of the built-in safety features: Foreign Object Detection (FOD), Over-Voltage Protection (OVP), and Temperature Sensor Control (TSC), which help prevent charging issues and ensure user safety.

## SPECIFICATIONS

Feature	Detail
Model Number	MC-W8
Product Dimensions	3.35 x 3.46 x 1.34 inches (W x D x H)
Item Weight	4.6 ounces (0.29 lbs)
Material	ABS, PC
Input Voltage	5V / 2A, 9V / 1.67A, 12V / 1.5A
Wireless Charging Output	5W / 7.5W / 10W / 15W (Max)

Feature	Detail
Connectivity Technology	USB Type-C
Time Memory Battery	CR2032
Color	Dark grey (also available in Beige)
Mounting Type	Tabletop Mount

# Supported Devices



## 15W Fast wireless charging

Galaxy S20, S20+, S20 Ultra, S21, S21+, S21 Ultra, S10, S10 5G, S10+, S10e, Note10, Note 10+, Note 20, Note20 Ultra, Galaxy Z Fold, Galaxy Z Flip, LG V40 Thin Q, V50 Thin Q, G7 Thin Q, G8 Thin Q and newer

## 10W Fast wireless charging

Galaxy S9, S9+, S8, S8+, S7 Edge, S7, S7 Active, S6 Edge+, Galaxy Note 5 , Note 7 FE, Note 8, Note 9, LG V30 Thin Q, V30S Thin Q, V35 Thin Q and newer

## 7.5W Fast wireless charging

iPhone 8, 8+, X , Xr, XS, XS Max, 11, 11Pro, 11Pro Max, 12, 12Pro, 12Pro Max, 13, 13Pro, 13Pro Max, 14, 14Pro, 14Pro Max, 15Pro Max, 15Pro, 15Plus, 15 and newer

## 5W Normal wireless charging

Galaxy S6, S6 Edge, S6 Active, LG G6+ and newer / Qi- Supported Smartphones

## 3W Normal wireless charging

Airpods 2nd gen, pro and older models / Galaxy buds, buds+ and newer

**Figure 12:** A list of supported devices and their corresponding wireless charging speeds (15W, 10W, 7.5W, 5W, 3W) for various smartphone and earbud models.

## WARRANTY AND SUPPORT




For warranty information or technical support, please contact mooas customer service through the retailer where the product was purchased or visit the official mooas website.

Keep your purchase receipt as proof of purchase for warranty claims.

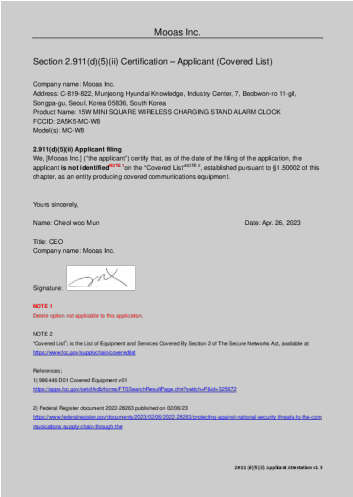
Related Documents - MC-W8

	<p><a href="#">Mooas 15W Slim Edge Mirror Wireless Charging Alarm Clock User Manual</a></p> <p>User manual for the Mooas 15W Slim Edge Mirror Wireless Charging Alarm Clock (MC-W19), detailing features, specifications, setup, usage, and safety warnings including button cell battery hazards.</p>
	<p><a href="#">Mooas Smart Wireless Charging Nightlight Clock MC-W6 User Manual</a></p> <p>This document provides a user manual for the Mooas Smart Wireless Charging Nightlight Clock, model MC-W6. It outlines the product's features, including its 10W fast wireless charging capability, alarm functions, and nightlight. The manual contains detailed specifications, operational instructions, and diagrams for setup and use.</p>
	<p><a href="#">mooas Flat 15W Wireless Charging Nightlight Alarm Clock User Guide</a></p> <p>User guide for the mooas Flat 15W Wireless Charging Nightlight Alarm Clock. Learn about its features, setup, operation, wireless charging, nightlight, alarm functions, time setting, and troubleshooting.</p>



	<p><a href="#">Mooas Moonlight Dual LED Clock (Date Ver.) User Manual</a></p> <p>Comprehensive user manual for the Mooas Moonlight Dual LED Clock (Date Ver.). Learn how to set the time, date, and alarm, operate the mood lamp, adjust brightness, and utilize the remote control. Includes features, components, and important precautions.</p>
	<p><a href="#">mooas LED Digital Mirror Clock User Manual</a></p> <p>User manual for the mooas LED Digital Mirror Clock, detailing features, how to use, alarm settings, temperature display, and precautions. Includes product specifications and operational guidance.</p>
	<p><a href="#">Mooas Pure Mini White 3D LED Clock User Manual</a></p> <p>Comprehensive user manual for the Mooas Pure Mini White 3D LED Clock, detailing its multi-function features including calendar, alarm, and temperature display. Learn how to set up and operate your LED clock.</p>

Documents - mooas – MC-W8



[Mooas Inc. 15W Wireless Charging Stand Alarm Clock Applicant Certification](#)

Official applicant certification filing by Mooas Inc. for the 15W Mini Square Wireless Charging Stand Alarm Clock (FCCID: 2A5K5-MC-W8, Model: MC-W8), confirming its status regarding the FCC Covered List.

lang:en score:35 filesize: 43.87 K page\_count: 1 document date: 2023-04-26

**Mooss Inc.**

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**Section 2.911(d)(5)(i) Certification – Equipment Type**

Company name: Mooss Inc.  
Address: C-818 R222, Muryung Hyundai Knowledge, Industry Center, 7, Beolwon-ro 11-gil,  
Songnam si, Seoul, Korea 15088, South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK  
FCCID: 2ACRAC468  
Model(s): MC WAVE

**2.911(d)(5)(i) Equipment Type**

We (Mooss Inc.) (the applicant) certify that the equipment for which authorization is sought/this certification is not:


- Prohibited from receiving an equipment authorization pursuant to § 2.903, of the FCC rules.
- Identified as an equipment type in the "Covered List" <sup>1</sup>

Yours sincerely,

Name: Cheol woo Mun

Date: Apr. 26, 2023

Title: CEO  
Company name: Mooss Inc.

Signature: 

**NOTE 1**  
"Covered List" is the List of Equipment and Services Covered by Section 2 of The Secure Networks Act, available at <https://www.fcc.gov/eetp/coveredservices>

**References:**  
1) 1881448 E21 Covered Equipment v1  
<https://www.fcc.gov/eetp/forms/73152new@federalwireless.com/coverd-list-324242>

2) Federal Register document 2023-06763 published on 03/09/23  
<https://www.federalregister.gov/documents/2023/03/09/2023-06763-notifications-regarding-network-security-threats-to-the-secure-networks-act>

**Footnote:** <https://www.fcc.gov/eetp/coveredservices>

2.911 (d)(5)(i) Equipment Type Certification (v. 3)

**Moas Inc.**

**Section 2.911(d)(7) USA Agent for Service of Process**

Company name: Moas Inc.  
Address: C-119 Bldg, Mingyung Hyundai Knowledge, Industry Center, 7, Beodeom-ro  
11, Songje-gu, Seoul, Korea (ROK), South Korea  
Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM COIL  
FCCID: 2A9X-MC-WB  
Model(s): MC-WB

**2.911(d)(7) USA Designated Agent for Service of Process**

We, Moas Inc. ("the Applicant"), designate **USA MEHUA TRADING INC<sup>TM</sup>** for the purpose of accepting service for process on behalf of the applicant.

**Applicant consents:** We acknowledge our consent to accept service of process in the United States for matters related to the applicable equipment and, and the physical U.S. address and email address of the designated agent and acknowledge our acceptance of our obligation to maintain an agent for service of processes in the United States for no less than one year after the grantee has permanently terminated all marketing and importation of the applicable equipment within the U.S., or the conclusion of any administrative or judicial proceeding involving the equipment, whichever is later.

**Agent obligation:** We acknowledge our obligation to accept service of process in the United States for matters related to the applicable equipment or its physical U.S. address and email address no later than one year after either the grantee has permanently terminated all marketing and importation of the applicable equipment within the U.S., or the conclusion of any Commissioner related administrative or judicial proceeding involving the equipment, whichever is later.

USA Agent  
Company Name: USA MEHUA TRADING  
Address: 5379 Pine Valley Cir Boulder CO  
80501 United States  
FCC Registration Number (FRN)  
6034034166  
Contact Name: Haley Kunz  
Telephone No: 1-312-745-3424  
Email: mehu-a-trading-inc@hotmail.com

Applicant  
Company Name: Moas Inc.  
Address: C-119 Bldg, Mingyung Hyundai Knowledge, Industry Center, 7, Beodeom-ro  
11, Songje-gu, Seoul, Korea (ROK), South Korea  
FCC Number Code: 2A9X-MC-WB  
Contact Name: Cheol-seop Lee  
Telephone No: 1-312-745-0601  
Email: ovesseasales@moas.com

2018-07-10/USA agent 3

**Mooss Inc.**  
**Agent Authorization**

Company: Mooss Inc.

Address: C-619-222, Munjong Hyundai Knowledge, Industry Center 7, Beosae-ro  
11-gil, Songpa-gu, Seoul, Korea 05263, South Korea

Product Name: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM CLOCK

Model Number(s): MC-W8

Product Description: 15W MINI SQUARE WIRELESS CHARGING STAND ALARM  
CLOCK

We authorize MCOM Labs Inc., 576 Boulder Court, Pleasanton, California 94566, USA, is  
all on our behalf on all matters concerning the certification of above named equipment.

We declare that MCOM Labs Inc. is allowed to forward all information related to the approval  
and certification of equipment to the regulatory agencies as required and to discuss any  
issues concerning the approval application. Any and all acts carried out by MCOM Labs on  
our behalf shall have the same effect as acts of our own.

[Signature]

Signature: _____	Date: Apr. 26, 2023
Name: <u>Chooilwoo Man</u>	
Title: <u>CEO</u>	
Company: <u>Mooss Inc.</u>	

[Mooas Inc. 15W Mini Square Wireless Charging Stand Alarm Clock FCC Certification](#)

FCC Section 2.911(d)(5)(i) Equipment Type Attestation for the Mooas Inc. 15W Mini Square Wireless Charging Stand Alarm Clock (FCCID: 2A5K5-MC-W8, Model: MC-W8). This document certifies compliance with FCC rules regarding equipment authorization.

lang:en score:35 filesize: 48.4 K page\_count: 1 document date: 2023-04-26

Mooas Inc. USA Agent for Service of Process - 15W Wireless Charger MC-W8

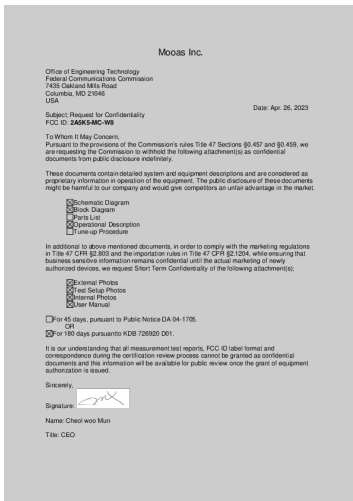
Official declaration from Mooas Inc. designating USA MEIHUA TRADING INC as the agent for service of process in the United States for the 15W Mini Square Wireless Charging Stand Alarm Clock (FCC ID: 2A5K5-MC-W8, Model: MC-W8).

lang:en score:34 filesize: 68.55 K page\_count: 2 document date: 2023-04-26

Mooas Inc. Agent Authorization for MC-W8 Wireless Charging Stand

Agent authorization document from Mooas Inc. for the MC-W8 15W Mini Square Wireless Charging Stand Alarm Clock, authorizing MiCOM Labs Inc. for regulatory certification processes.

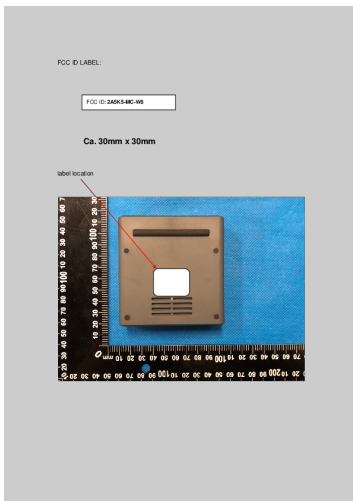
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[\[pdf\]](#) Confidentiality Request Letter

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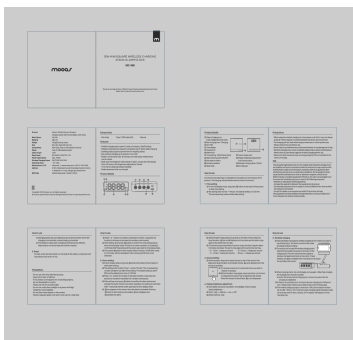
Mooas Inc. Office of Engineering Technology Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046 USA Subject; Request for Confidentiality FCC ID: 2A5K5-**MC-W8** Date: Apr. 26, 2023 To Whom It May Concern, Pursuant to the provisions of the Commission s rules Title 47 Sections ...  
lang:en score:32 filesize: 15.01 K page\_count: 1 document date: 2023-04-26



[\[pdf\]](#) Label

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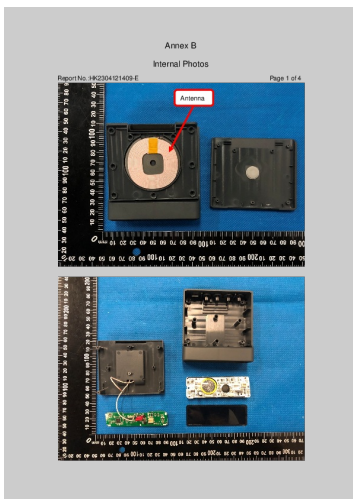


[\[pdf\]](#) User Manual

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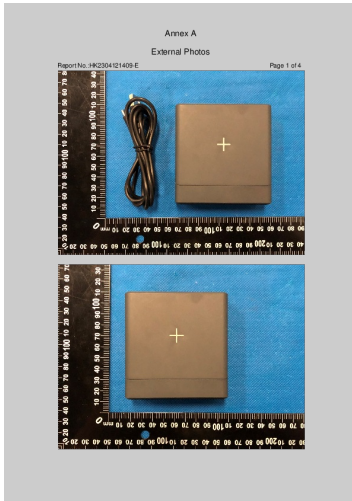
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[\[pdf\]](#) Product Photos Teardown

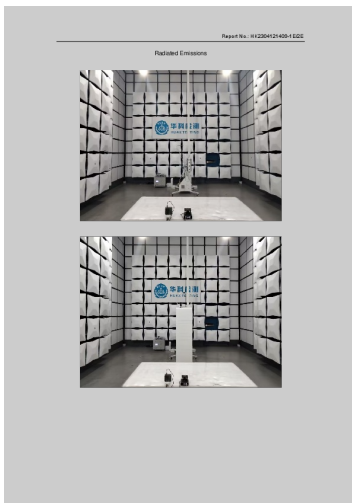
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[\[pdf\]](#) Test Report

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