

## SwitchBot K11+

# SwitchBot Robot Vacuum and Mop K11+ User Manual

Model: K11+ (W3011020)

Brand: SwitchBot

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SwitchBot Robot Vacuum and Mop K11+. Please read it thoroughly before using the product and retain it for future reference.

The SwitchBot K11+ is a versatile robot vacuum and mop designed for automated floor cleaning. It features powerful 6000Pa suction, LDS smart navigation, and a self-emptying station for up to 90 days of hands-free dust disposal. Its slim design allows it to clean under furniture, and it offers broad smart home compatibility, including Matter, Apple Home, Alexa, and Google Home.



Image: The SwitchBot K11+ robot vacuum and its self-emptying station, shown with a smartphone displaying the control app and a smartwatch.

## 2. INCLUDED COMPONENTS

Verify that all components are present in the packaging:

- Mini Robot Vacuum × 1
- Auto-Empty Station × 1
- Mopping Pad Plate × 1
- Anti-Tangle Side Brush × 2
- Small Cleaning Tool × 1
- Dust Bag × 2 (one pre-installed, one spare)
- Original Mopping Cloth Pack × 1
- Bin Filter × 2 (one pre-installed, one spare)
- Quick Start Guide × 1
- User Manual × 1 (this document)

- Multi-Surface Brush
- Brush Frame
- Front Caster Wheel

## 3. SETUP

### 3.1. Unboxing and Preparation

1. Carefully remove all components from the packaging.
2. Remove all protective films and packaging materials from the robot and the auto-empty station.
3. Attach the side brushes to the robot by pressing them into their respective slots until they click.
4. If using the mopping function, attach the mopping pad plate with a clean mopping cloth to the robot.

### 3.2. Auto-Empty Station Placement

Place the auto-empty station on a hard, level surface against a wall. Ensure there is:

- At least 0.5 meters (1.6 feet) of clear space on both sides.
- At least 1.5 meters (4.9 feet) of clear space in front.
- No direct sunlight or obstacles that could interfere with the robot's navigation.

Connect the power adapter to the auto-empty station and plug it into a power outlet. The station's indicator light will illuminate.



Image: The ultra-compact auto-empty station for the K11+ robot vacuum, shown next to a tablet to illustrate its small footprint.

### 3.3. Initial Charging

Place the robot vacuum onto the charging contacts of the auto-empty station. Ensure the charging pins align. The robot will automatically begin charging. For first-time use, fully charge the robot before operation (approximately 4-5 hours).

### 3.4. App Installation and Pairing

1. Download the SwitchBot app from the App Store (iOS) or Google Play Store (Android).
2. Open the app and create an account or log in.

3. Tap the '+' icon to add a new device and select the K11+ Robot Vacuum.
4. Follow the on-screen instructions to connect the robot to your home Wi-Fi network and pair it with the app.

## 4. OPERATING YOUR K11+

### 4.1. Starting and Stopping Cleaning

- **Via Robot:** Press the power button on the robot once to start or pause cleaning. Press and hold to send it back to the charging station.
- **Via App:** Use the SwitchBot app to start, pause, or stop cleaning. You can also select specific cleaning modes or areas.

### 4.2. Cleaning Modes

The K11+ supports various cleaning modes accessible through the SwitchBot app:

- **Auto Clean:** The robot intelligently cleans your entire home.
- **Spot Clean:** Cleans a specific area with concentrated suction.
- **Zone Clean:** Define custom cleaning zones on the map.
- **Room Clean:** Select specific rooms to clean.
- **Mop Only:** Engages only the mopping function.
- **Vacuum & Mop:** Performs both vacuuming and mopping simultaneously.

### Personalized Cleaning by Room

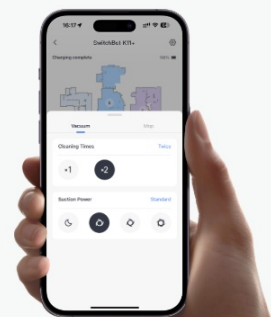
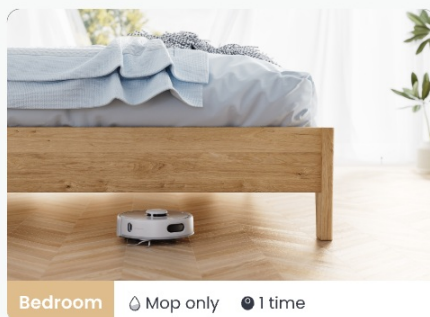


Image: The SwitchBot app displaying options for personalized cleaning, allowing users to set specific cleaning modes and intensity for individual rooms.

### 4.3. Smart Navigation and Obstacle Avoidance

The K11+ utilizes LDS LiDAR for precise mapping and navigation, creating an efficient cleaning path. PSD side sensors help it navigate around furniture legs and obstacles. Drop sensors prevent falls from stairs.

## Smarter Than Ever

### Pinpoint navigation, effortless obstacle avoidance.



Image: The K11+ robot vacuum demonstrating its ability to detect and smoothly navigate around chair legs using its PSD sensors.

#### 4.4. Smart Home Integration

The K11+ supports Matter, allowing seamless integration with various smart home ecosystems:

- **Apple Home:** Control your robot vacuum directly through the Apple Home app.
- **Amazon Alexa:** Use voice commands to start, stop, or send the robot home.
- **Google Home:** Integrate with Google Assistant for voice control and routines.

#### Multiple Control Methods

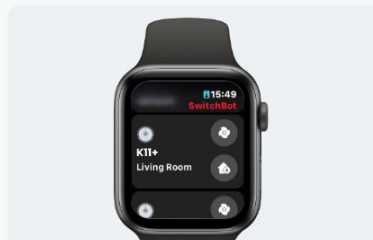
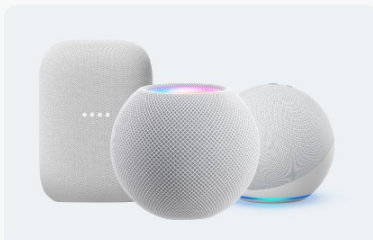


Image: Various control methods for the K11+ robot vacuum, including voice commands through smart speakers, control via an Apple Watch app, and a dedicated universal remote control.

#### 4.5. Scheduling and No-Go Zones

Use the SwitchBot app to set cleaning schedules for automated cleaning. You can also define virtual no-go zones or virtual walls on the map to restrict the robot from entering certain areas.

### 5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your K11+.

#### 5.1. Auto-Empty Station Dust Bag Replacement

The 4L dust bag in the auto-empty station can hold debris for up to 90 days. Replace the dust bag when the app indicates it is full or when you notice reduced emptying efficiency.

1. Open the lid of the auto-empty station.
2. Carefully remove the full dust bag, ensuring the opening is sealed to prevent dust leakage.
3. Insert a new dust bag into the slot and close the lid securely.

Image: The K11+ robot vacuum and its auto-empty station, emphasizing the large 4L antibacterial dust bag capacity and infrequent emptying requirement.

## 5.2. Cleaning Brushes

The K11+ features an anti-tangle main roller brush and anti-tangle twin side brushes. Periodically inspect and clean them.

- **Main Brush:** Remove the brush cover and lift out the main brush. Use the provided cleaning tool to cut and remove any tangled hair or debris.
- **Side Brushes:** Gently pull the side brushes off. Remove any tangled hair or debris. If brushes are worn, replace them.

### Dual Anti-Tangle Design

#### Switchbot K11+



○ **Anti-Tangle Rubber Brush**  
Resists tangling and is easy to clean.



○ **V-Shaped Side Brush**  
Two-prong design spins at high speed to untangle.

#### Other Robot Vacuums



✗ **Standard Main Brush**  
Prone to tangling and hard to clean.



✗ **Standard Side Brush**  
Hair easily gets tangled and is difficult to clean.

Image: A visual comparison highlighting the anti-tangle design of the SwitchBot K11+ main and side brushes, showing how they resist hair entanglement compared to conventional brushes.

## 5.3. Filter Cleaning/Replacement

The bin filter should be cleaned regularly and replaced every 3-6 months, depending on usage.

1. Open the robot's dustbin and remove the filter.
2. Tap the filter gently to remove loose dust. Do not wash the filter with water.
3. Reinsert the clean filter or replace it with a new one.

## 5.4. Mopping Pad Care

After each mopping session, remove the mopping cloth from the pad plate and wash it thoroughly. Allow it to air dry completely before reattaching.

## 5.5. Sensor Cleaning

Wipe the sensors on the robot (LDS sensor, PSD sensors, drop sensors) with a clean, dry cloth to ensure accurate navigation.



## 6. TROUBLESHOOTING

If you encounter issues with your K11+, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; Power switch off; Robot stuck.	Charge the robot; Ensure power switch is ON; Clear any obstructions.
Poor cleaning performance.	Full dustbin; Clogged filter; Tangled brushes; Worn brushes.	Empty dustbin; Clean/replace filter; Clean/replace brushes.
Robot cannot find charging station.	Station obstructed; Station unplugged; Robot too far.	Ensure clear space around station; Plug in station; Manually place robot near station.
App connection issues.	Incorrect Wi-Fi password; Router issues; Robot offline.	Verify Wi-Fi credentials; Restart router; Restart robot and re-pair.
Robot gets stuck frequently.	Loose cables; Small objects; High thresholds.	Clear floor of obstacles; Use no-go zones for problem areas.

## 7. SPECIFICATIONS

Feature	Detail
Brand	SwitchBot
Model Name	SwitchBot K11+ Robot Vacuum
Item Model Number	W3011020
Special Features	6000 Pa Suction Power, Matter Support (Apple Home, Alexa, GoogleHome), 3.6-Inch Slim Design, Self-Emptying
Color	White
Product Dimensions	12.2"L x 11.41"W x 11.41"H (Auto-Empty Station)
Robot Height	3.6 inches
Filter Type	Cartridge
Battery Life	Up to 150 minutes
Dust Bag Capacity	4 Liters (up to 90 days)

Feature	Detail
Power Source	Battery Powered
Batteries Included	Yes (1 x 12V battery)
Form Factor	Robotic vacuum
Item Weight	13.44 pounds
Manufacturer	Wonderlabs

### 8. WARRANTY INFORMATION


SwitchBot products typically come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official SwitchBot website. Keep your purchase receipt as proof of purchase for warranty claims.

### 9. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or general inquiries, please contact SwitchBot customer support:

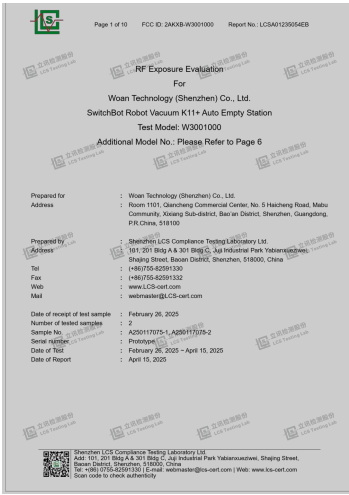
- **Online Support:** Visit the official SwitchBot website ([www.switch-bot.com](http://www.switch-bot.com)) for FAQs, support articles, and contact options.
- **Email Support:** Refer to your Quick Start Guide or the SwitchBot website for the appropriate support email address.

#### Related Documents - K11+

	<p><a href="#">SwitchBot Mini Robot Vacuum K10+ User Manual</a></p> <p>User manual for the SwitchBot Mini Robot Vacuum K10+, covering safety information, product overview, setup, operation, maintenance, troubleshooting, and technical specifications.</p>
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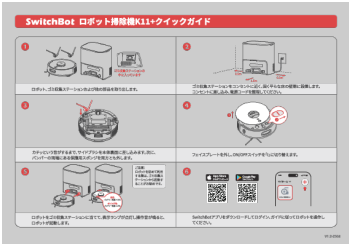


[pdf] SAR Rating

tcalsevers RF exposure evaluation Woan Technology Shenzhen Co Ltd W3001000 SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Page 1 of 10 FCC ID: 2AKXB-W3001000 Report No.: LCSA01235054EB RF Exposure Evaluation For Woan Technology Shenzhen Co., Ltd. SwitchBot Robot Vacuum **K11** Auto Empty Station Test Model: W3001000 Additional Model No.: Please Refer to Page 6 Prepared for Address : Woan Technology Shenzhen Co., ...

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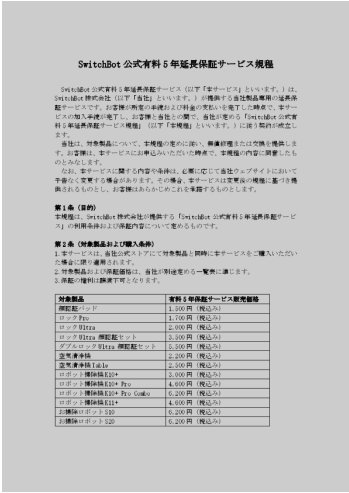


[pdf] Guide

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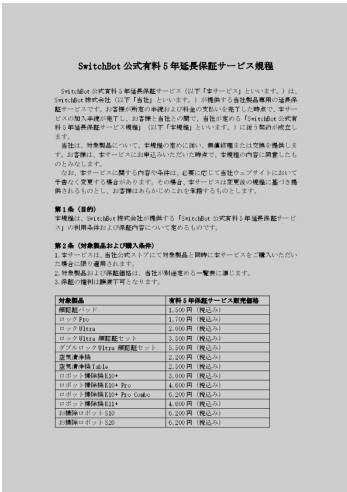
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SwitchBot Official Paid 5-Year Extended Warranty Service Terms

Official terms and conditions for the SwitchBot Paid 5-Year Extended Warranty Service. Details coverage, exclusions, warranty period, eligible products, and service procedures for SwitchBot smart home devices.

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[SwitchBot 5 - SwitchBot](#)

SwitchBot 5

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

User manual Woan Technology Shenzhen Co Ltd W3001000 2AKXB 2AKXBW3001000 w3001000

www.switch-bot.com V1.2-2407 Mini Robot Vacuum **K11** User Manual Please read this user manual carefully before using your device. Thank you for choosing SwitchBot This manual will guide you through a comprehensive understanding and quick installation of this product, and provide important informa...

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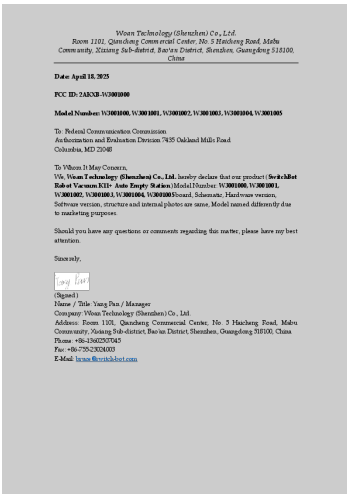


[\[pdf\] Label](#)

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Page 1 of 1 FCC ID: 2AKXB-W3001000 LABEL AND LOCATION SwitchBot Robot Vacuum **K11** Auto Empty Station Model: W3001000 FCC ID: 2AKXB-W3001000 Size: L 99.8cm x W 54.8cm Label Location Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxue...

lang:en **score:23** filesize: 327.07 K page\_count: 1 document date: 2025-04-16

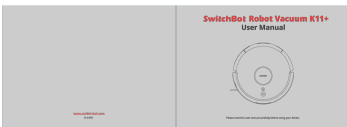


[\[pdf\] Declaration of Conformity Product Photos Teardown](#)

wenliang li Letter of declaration model difference Woan Technology Shenzhen Co Ltd W3001000 SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Woan Technology Shenzhen Co., Ltd. Room 1101, Qiancheng Commercial Center, No. 5 Haicheng Road, Ma ... n, We, Woan Technology Shenzhen Co., Ltd. hereby declare that our product SwitchBot Robot Vacuum **K11** Auto Empty Station Model Number: W3001000, W3001001, W3001002, W3001003, W3001004, W3001005 bo...

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[SwitchBot K11+ User Manual](#)

User manual for the SwitchBot K11+ smart lock, providing setup, operation, and troubleshooting instructions.

lang:en **score:20** filesize: 28.23 M page\_count: 12 document date: 2025-07-29

Page 1 of 22 FCC ID: 2AKXB-W3001000 Report No.: LCSA01235054EA

Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: SwitchBot Robot Vacuum K11+ Auto Empty Station  
Test Model: W3001000

Environmental Conditions	
Temperature:	23.8 ± 0.2
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Amy Chu
Supervised by:	Nick Peng

Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +86 (0)755-82591330 E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

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WCB Appendix A test data BT LE Woan Technology Shenzhen Co Ltd W3001000 SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Page 1 of 22 FCC ID: 2AKXB-W3001000 Report No.: LCSA01235054EA Appendix A RF Test Data for BT LE Conducted Measurement Product Name: SwitchBot Robot Vacuum K11 Auto Empty Station Test Model: W3001000 Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Co...  
lang:en score:19 filesize: 3.34 M page\_count: 22 document date: 2025-04-16

Page 1 of 34 FCC ID: 2AKXB-W3001000 Report No.: LCSA01235054EA

FCC TEST REPORT

For

Woan Technology (Shenzhen) Co., Ltd.  
SwitchBot Robot Vacuum K11+ Auto Empty Station  
Test Model: W3001000  
Additional Model No.: Please Refer to Page 6

Prepared for Address : Woan Technology (Shenzhen) Co., Ltd.  
Room 1101, Guanchang Commercial Center, No. 5 Haichang Road, Mahe Community, Xiangmiao Sub-district, Bao'an District, Shenzhen, Guangdong, P.R. China, 518100

Prepared by Address : Shenzhen LCS Compliance Testing Laboratory Ltd.  
101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +86 (0)755-82591330  
Fax: +86 (0)755-82591332  
Web: www.LCS-cert.com  
Mail: webmaster@LCS-cert.com

Date of receipt of test sample : February 26, 2025  
Number of tested samples : 2  
Sample No.: A250117075-1, A250117075-2  
Serial number :  
Date of Visit : February 26, 2025 - April 14, 2025  
Date of Report : April 15, 2025

Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +86 (0)755-82591330 E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
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[pdf] Test Report

FCC PART 15 news Test Report BT LE Woan Technology Shenzhen Co Ltd W3001000 2AKXB 2AKXBW3001000 w3001000

Page 1 of 34 FCC ID: 2AKXB-W3001000 Report No.: LCSA01235054EA FCC TEST REPORT For Woan Technology Shenzhen Co., Ltd. SwitchBot Robot Vacuum K11 Auto Empty Station Test Model: W3001000 Additional Model No.: Please Refer to Page 6 Prepared for Address : Woan Technology Shenzhen Co., Ltd. : ...  
lang:en score:12 filesize: 1.49 M page\_count: 34 document date: 2025-04-21

Local Representative Letter

Federal Communications Commission  
Equipment Authorization Division, Application Processing Branch  
7415 Oakland Mills Road  
Columbia, MD 21048

To whom it may concern:

Pursuant to Section 2.94 (c)(2)(F) of the Commission's Rules (47 C.F.R.), we attest as follows for the product listed below:

FCC ID	Model Name
2AKXB-W3001000	W3001000, W3001000, W3001000, W3001000, W3001000, W3001000

We hereby acknowledge as follows:

- both agree to confirm that the point of contact accepts responsibility to act as a U.S. American Representative on behalf of the applicant;
- the point of contact provides the true and accurate information as listed below;
- both parties maintain the requirements of this agreement for no less than one year after the grantee has terminated all use, selling and operation or the conclusion of any Commission related proceeding involving this equipment;
- in expiration date for this letter shall not more than 30 days via the updating "CB."

US-American Point of Contact Applicant/Approval Holder

Signature: [Signature] Signature: [Signature]  
Date: 2025-04-20 Date: 2025-04-20

Company Name: WCB Technology (Shenzhen) Co., Ltd.  
H/W: 1000000000  
Contact Name: Cindy Wu  
Address: 101, 201 Bldg A, Guanchang Commercial Center, No. 5 Haichang Road, Mahe Community, Xiangmiao Sub-district, Bao'an District, Shenzhen, 518100, China

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Agent attestation letter Woan Technology Shenzhen Co Ltd W3001000 SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

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Page 1 of 3 FCC ID: 2AKXB-W3001000

External Photos of the EUT

Fig. 1

Fig. 2

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Tel: +86 (0)755-82591330 E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

[pdf] Product Photos

EXTERIOR PHOTOGRAPHS Tian External photos Woan Technology Shenzhen Co Ltd W3001000 SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Page 1 of 3 FCC ID: 2AKXB-W3001000 External Photos of the EUT Fig. 1 Fig. 2 Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China Tel: 86 0755-82591330 E-mail: webmaster...  
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[pdf] Product Photos Teardown

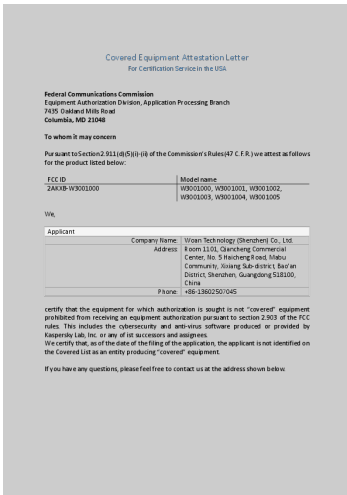
EXTERIOR PHOTOGRAPHS Tian Internal photos Woan Technology Shenzhen Co Ltd W3001000

SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Page 1 of 7 FCC ID: 2AKXB-W3001000 Internal Photos of the EUT Fig. 1 Fig. 2

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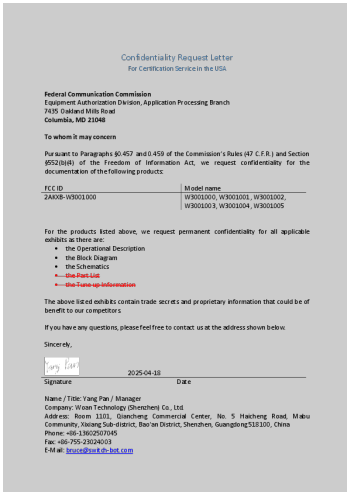
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Microsoft Office Anwender Covered equipment letter Woan Technology Shenzhen Co Ltd W3001000

SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Covered Equipment Attestation Letter For Certification Service in the USA Federal Communications Commission Equipment Authorization Division, Application Processing Branch 7435 Oakland Mills Road Columbia, MD 21048 To whom it may concern Pursuant to Section 2.911 d 5 i - ii of the Commission s...

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[pdf] Confidentiality Request Letter

Microsoft Office Anwender Confidentiality request letter Woan Technology Shenzhen Co Ltd W3001000

SwitchBot Robot Vacuum K11 Auto Empty Station 2AKXB 2AKXBW3001000 w3001000

Confidentiality Request Letter For Certification Service in the USA Federal Communication Commission Equipment Authorization Division, Application Processing Branch 7435 Oakland Mills Road Columbia, MD 21048 To whom it may concern Pursuant to Paragraphs 0.457 and 0.459 of the Commission s Rules ...

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The equipment for which authorization is sought complies with the rules and fulfills the requirements as detailed in the above mentioned KDS.

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