

## SIMOLIO SM-621D

# SIMOLIO Wireless Portable TV Speakers User Manual

Model: SM-621D

## INTRODUCTION

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The SIMOLIO SM-621D Wireless Portable TV Speaker is designed to provide enhanced TV audio listening assistance, particularly for individuals who are hard of hearing, seniors, and the elderly. This device allows you to bring clear, amplified TV sound closer to you, eliminating the need for excessively high TV volumes that might disturb others. Featuring voice highlighting technology and multiple connectivity options, it offers a comfortable and convenient listening experience.

## WHAT'S INCLUDED

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Please check the package contents to ensure all items are present:

- Charging Base/Transmitter
- Speaker/Receiver
- 2 AC Adapters
- 1 Stethoscope headset
- Digital Optical Cable
- RCA Audio Cable
- 3.5mm AUX Audio Cable
- User Instruction Manual
- Quick Guide



Image: The SIMOLIO SM-621D speaker, its charging base, a stethoscope headset, two AC adapters, and various audio cables (optical, RCA, 3.5mm AUX).

## SETUP GUIDE

Follow these steps to connect your SIMOLIO Wireless Portable TV Speaker to your television or audio source.

### 1. Charging the Speaker

Before first use, fully charge the speaker. Place the speaker onto the charging base, ensuring the charging contacts align. Alternatively, you can connect one of the provided AC adapters directly to the speaker's charging port for continuous use. A full charge typically takes 3 hours and provides up to 6 hours of continuous operation.

## Will this product work on my TV?









CONNECTION JACK		WORK OR NOT	NOTES
Headphone		✓	Internal TV speakers may be muted
AUDIO OUT		✓	TVs like Vizio may require analog audio settings set to "Fixed"
DIGITAL AUDIO OUT ( OPTICAL )		✓	
DIGITAL AUDIO OUT ( COAXIAL )		✗	Need to purchase digital to analog audio converter (search Simolio SM-DAC01)
HDMI eRAC		✗	Need to purchase HDMI audio extractor splitter
6.35mm Phone		✗	Need to purchase 6.35mm to 3.5mm adapter
COMPOSITE IN		✗	
AUDIO IN		✗	

Image: Demonstrates two charging methods: placing the speaker on the charging base or connecting it directly to a power adapter.

## 2. Connecting the Transmitter to Your TV

The transmitter (charging base) connects to your TV's audio output. Choose one of the following connection methods:

### Optical Audio Connection (Recommended for Digital Audio)

1. Connect one end of the Digital Optical Cable to the "Optical Out" port on your TV.
2. Connect the other end to the "Optical In" port on the SIMOLIO transmitter.
3. Ensure your TV's audio output settings are configured to "PCM" or "Stereo" for the optical output. Some TVs (e.g., Vizio) may require audio settings to be set to "Fixed".
4. If your TV's optical port is already in use by a soundbar, an optical splitter (sold separately) will be required.

### RCA Audio Connection (Analog Audio)

1. Connect the RCA Audio Cable (red and white plugs) to the "Audio Out" (L/R) ports on your TV.
2. Connect the other end of the RCA cable to the corresponding RCA input ports on the SIMOLIO transmitter.

### 3.5mm AUX Audio Connection (Headphone Jack)

1. Connect the 3.5mm AUX Audio Cable to the headphone jack or "Audio Out" port on your TV.
2. Connect the other end to the 3.5mm AUX input port on the SIMOLIO transmitter.
3. Note: Plugging into the TV's headphone jack may silence the TV's internal speakers. Consult your TV manufacturer for details.



# Personal Wireless TV Speaker

No more blaring volume

Ideal for seniors or people who have hearing issues



## Three connection options available

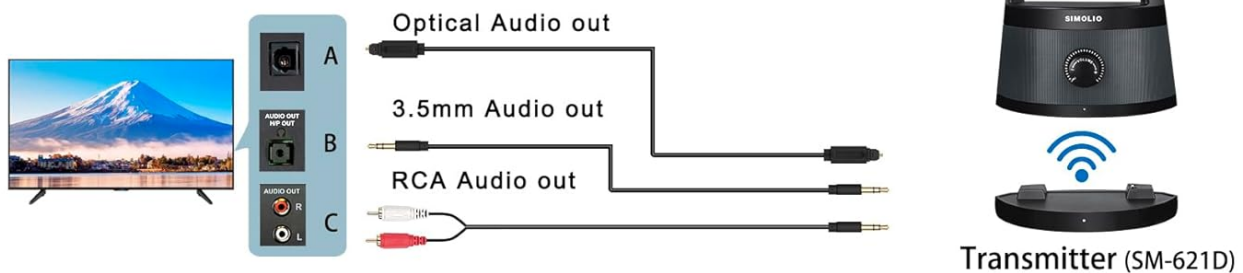


Image: Visual guide illustrating the three primary audio connection methods (Optical, 3.5mm AUX, RCA) from a TV to the SIMOLIO transmitter.

## Elevates Every Moment

Easily switch to wired mode using the included 3.5mm AUX cable for a versatile audio experience.



Image: A table detailing which TV connection jacks are compatible and which may require additional converters (e.g., HDMI, Coaxial, 6.35mm Phone).

### 3. Powering the Transmitter

Connect one of the provided AC adapters to the power input on the transmitter and plug it into a wall outlet.

## OPERATING INSTRUCTIONS

### Power On/Off and Volume Control

The large knob on the front of the speaker controls both power and volume. Turn the knob clockwise to power on the speaker and increase the volume. Turn it counter-clockwise to decrease the volume and power off the speaker.



Image: Illustrates the function of the main volume knob for power and volume adjustment, and indicates the charging port location.

### Voice Highlighting and Tone Adjustment

The speaker features voice highlighting technology and tone adjustment to enhance dialogue clarity, making TV conversations stand out from background sounds. This helps in finding the optimal listening level without constant remote adjustments.



# Customize Your TV Sound

Choose from 3 TONE settings to personalize the TV sound according to your listening preferences.

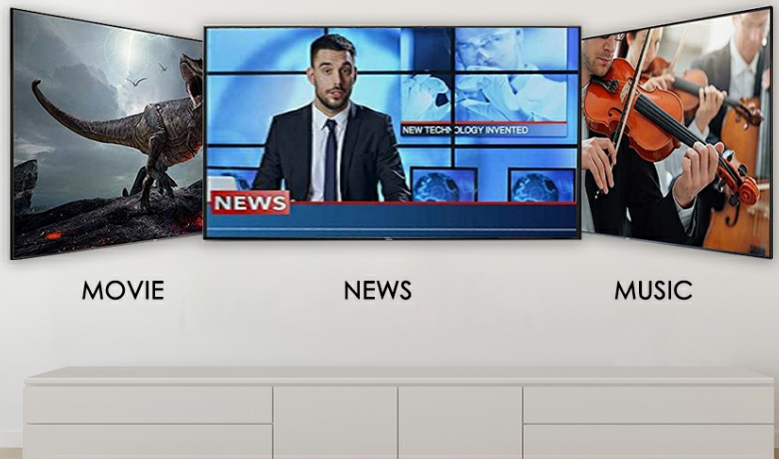


Image: Depicts how users can customize TV sound with three tone settings: Movie, News, and Music, to suit their listening preferences.

## Private Listening with Headset

For private listening, connect the included stethoscope headset to the speaker's headphone jack. This allows you to listen to TV audio without disturbing others, even if the TV's main volume is muted.



## Includes A Headphone for Quiet Listening No Disturbing to Others in the Room

Image: An elderly couple watching TV, with one person using the included headset for quiet, private listening, ensuring no disturbance to others.



Image: A close-up of the stethoscope-style headset, designed for comfortable and private audio listening.

### Portability and Range

The speaker offers a wireless range of up to 100 feet (approximately 30 meters), allowing you to move freely around your home while enjoying clear TV audio. Its portable design makes it easy to carry from room to room.

## One Transmitter to Multiple Speakers

Add more speakers to this system, share the magic of music and movies anywhere in your home with your loved ones.



Image: An elderly woman in a kitchen, with the portable SIMOLIO speaker on the counter, illustrating the freedom of movement within its 30-meter wireless range.

### Multiple Speakers (Optional)

This system supports connecting multiple SIMOLIO speakers to a single transmitter, allowing you to share the TV audio experience in different rooms. If using two sets of speakers on two different TVs in the same household, ensure a distance of at least 10 meters between them to avoid interference.

## Perfect Gift Idea

Elevate your loved ones' TV experience with this heartwarming gift.



\* available in various colors \*



Image: Two elderly individuals, one carrying a SIMOLIO speaker, illustrating the concept of using multiple speakers with a single transmitter to share audio throughout the home.

## MAINTENANCE

- **Battery Care:** When the speaker is powered directly by an AC adapter for extended periods, it is recommended to remove the battery to prevent potential swelling or damage.
- **Headset Ear Tips:** The stethoscope-style headset comes with memory foam ear tips. It is suggested to replace these every 30 to 60 days for optimal hygiene and performance. Replacement ear tips are sold separately.
- **Cleaning:** Wipe the speaker and transmitter with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.





Image: A diagram highlighting the upgraded battery's safety features, including 0V charging prohibition, pressure relief vent valve, short-circuit protection, and over-charge/over-discharge protection.

## TROUBLESHOOTING

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If you encounter issues with your SIMOLIO Wireless Portable TV Speaker, please refer to the following common solutions:

- **No Sound:**

- Ensure the speaker is powered on and the volume is turned up.
- Verify that the transmitter is properly connected to your TV's audio output and powered on.
- Check your TV's audio output settings. For optical connections, ensure "PCM" or "Stereo" is selected.
- Confirm the correct audio input is selected on the transmitter (if applicable).
- Ensure the speaker is within the 100ft (30m) wireless range of the transmitter.

- **Interference or Poor Sound Quality:**

- Move the speaker closer to the transmitter.
- Ensure there are no large metal objects or other 2.4GHz wireless devices (e.g., Wi-Fi routers, cordless phones) directly between the speaker and transmitter that could cause interference.
- If using multiple SIMOLIO units in the same household, ensure they are at least 10 meters apart to prevent cross-connection issues. The speaker and base unit are not specifically paired, and a speaker may connect to another base unit if too close.

- **Speaker Not Charging:**

- Ensure the AC adapter is securely connected to both the charging base/speaker and the wall outlet.
- Verify the charging contacts on the speaker and base are clean and free of debris.

- **Headset Not Working:**

- Ensure the headset is fully plugged into the speaker's headphone jack.
- Check for any damage to the headset cable or plug.

## SPECIFICATIONS

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Feature	Detail
Model Name	SM-621D
Brand	SIMOLIO
Speaker Type	Soundbar (Portable TV Speaker)
Connectivity Technology	2.4GHz Wireless (RF)
Maximum Range	100 Feet (approx. 30 meters)
Battery Life	6 Hours (continuous operation)
Charging Time	3 Hours
Speaker Maximum Output Power	10 Watts
Frequency Response	20000 Hz
Signal-to-Noise Ratio	70 dB
Product Dimensions	4"D x 8.7"W x 7.7"H
Item Weight	2.7 pounds
Power Source	Corded Electric & Battery Powered
Included Components	Charging Base/Transmitter, Speaker/Receiver, 2 AC Adapters, 1 Stethoscope headset, Digital Optical Cable, RCA Audio Cable, 3.5mm AUX Audio Cable, User Instruction Manual, Quick Guide

## WARRANTY AND SUPPORT

The SIMOLIO SM-621D Wireless Portable TV Speaker comes with a Full Warranty. For detailed warranty information or technical support, please refer to the User Instruction Manual included in your package or visit the official SIMOLIO website.

You can also find the User Guide (PDF) online:[SIMOLIO SM-621D User Guide](#)

For customer service inquiries, please contact Simolio Direct, the seller, or refer to the contact information provided in your product documentation.





[pdf] User Manual Guide Diagram

SM 621D manual FCC xxx User Manual Shenzhen Simolio Electronic Co Ltd 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d  
2.4GHz Digital Wireless TV Speaker with Optical Analog Audio Input User Manual  
**SM-621D** Sales Support Email: support simolio.com for NA/AU or support\_uk simolio.com for UK Sales Support Email: support simolio.com for NA/AU or support\_uk simolio.com for UK **SM-621D** Thank you for choosing the...  
lang:en score:53 filesize: 926.99 K page\_count: 12 document date: 2021-03-31



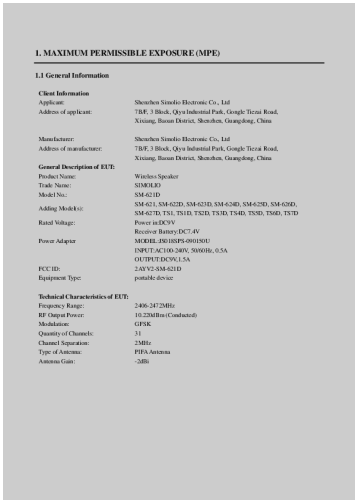
[pdf] User Manual Guide Diagram

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2.4GHz Digital Wireless TV Speaker with Optical Analog Audio Input User Manual  
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2.4GHz Digital Wireless TV Speaker with Optical Analog Audio Input User Manual  
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[pdf] SAR Rating

Microsoft Word RFExposure MPE Administrator RF Exposure Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d  
1. MAXIMUM PERMISSIBLE EXPOSURE MPE 1.1 General Information Client Information Applicant: Addres ... k, Gongle Tiezai Road, Xixiang, Baoan District, Shenzhen, Guangdong, China Wireless Speaker SIMOLIO **SM-621D** SM-621, SM-622D, SM-623D, SM-624D, SM-625D, SM-626D, SM-627D, TS1, TS1D, TS2D, TS3D, TS4D, T...  
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[pdf] Diagram

SM 621D manual20200721 xxx Benutzerhandbuch SIMOLIO Funklautsprecher für Fernseher Kabellos 2 4GHz Tragbarer TV Lautsprecher Senioren Perfekter Ersatz Kinnkopfhörer Optisch RCA 3 5 AUX Verbindung mit Kopfhörer Adapter 621D Amazon de Elektronik Foto B1CqRxSiHS m media amazon images I |||  
2.4 GHz Digitale Funk-Lautsprecher fr TV mit optisch und analogem Audioeingang  
**SM-621D** Email der Verkaufsunterstützung : support\_eu simolio.com fr EU Benutzerhandbuch Email der Verkaufsunterstützung : support\_eu simolio.com fr EU **SM-621D** Wir bedanken uns, dass Sie sich fr den SIMOLIOSM-621D T...  
lang:de score:38 filesize: 2.98 M page\_count: 12 document date: 2020-07-21



TEST REPORT

Reference No. .... : WTX21X02011253W-1

FCC ID .... : 2AYV2 SM 621D

Applicant .... : Shenzhen Simolio Electronic Co., Ltd

Address .... : 7B/F, 3 Block, Qiyu Industrial Park, Gongde Tiezai Road, Xixiang, Baoan District, Shenzhen, Guangdong, China

Product Name .... : Wireless Speaker

Test Model .... : SM621D

Standards .... : FCC Part 15.247

Date of Receipt sample .... : Feb.03, 2021

Date of Test .... : Feb.03, 2021 to Mar.24, 2021

Date of Issue .... : Mar.24, 2021

Test Result .... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the company. This report would be invalid without specific stamp of test institute and the signature of compiler and approver.


Prepared By:


Watsch Testing Group (Shenzhen) Co., Ltd.


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Tested by:  Luke Shi - Project Engineer

Reviewed By:  Lian Cao - RF Manager

Approved & Authorized By:  Silin Chen - Manager

Watsch Testing Group (Shenzhen) Co., Ltd.

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[pdf] Test Report

Microsoft Word FCC Part 15 247 Administrator Test Report Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

TEST REPORT Reference No..... : FCC ID ..... : Applicant  
... te of Issue ..... : Test Result..... : WTX21X02011253W-1  
2AYV2-**SM-621D** Shenzhen Simolio Electronic Co., Ltd 7B/F, 3 Block, Qiyu Industrial Park, Gongde Tiezai Road...

lang:en score:37 filesize: 1.78 M page\_count: 42 document date: 2021-03-31

SIMOLIO Wireless TV Speakers Model: SM-621D Color: Silver

Q: Speaker system is connected to TV using the optical cable. There is visible red light through the TV in the speaker base. Why is there no sound?

A: Please make sure that TV (and TV box's digital audio format) is set to PCM, or that Dolby on TV or DVD. Refer to TV manual or web site or send your TV model and model for support.

Q: Base is connected to TV's headphone jack and while RCA audio out jack. All connections checked and battery is recharged, but it still doesn't work. Why would it be like that?

A: Some TVs require additional settings when external audio system is connected to the TV's headphone jack or TV's port and while RCA ports. Please see TV manual and set your TV's audio mode to "Stereo". That is especially true with most VIDEO TV models.

Q: Base is connected to TV's headphone jack. All connections checked and battery full, but there is still no sound.

A: Some TVs require additional settings when external audio system is connected to the TV's headphone jack. Use TV remote to go to audio out settings, and set the TV speaker properly. For details, refer to TV's user manual or contact TV manufacturers or seller.

Q: Can this portable TV speaker work with Streaming Channels (i.e. Netflix, Hulu)?

A: Yes. TV wireless speakers must be connected to TV via digital optical audio out port in order to work with these streaming TV applications (i.e. Hulu, Netflix, etc.). Please also note that digital audio format must be set to PCM.

Q: To watch streaming channels, do I have to connect the transmitter base to the TV's digital optical audio output?

A: Some streaming media only provides the digital output on TV's digital optical audio out ports, making connection via red and white RCA ports or headphone jack not possible.

Q: Will TV speaker be sound if speaker base is plugged into TV?

A: That actually depends on your TV models and brands. On some TV models, the TV's speakers will be sound automatically without wires, yet plug connecting after we sales our unit (AT2022A, etc.) or they become disabled once you choose "External Speaker" in your TV's audio output.

Q: What type of battery is used?

A: Lithium Polymer battery is used in the speaker receiver.

Q: How long can the speaker run on a full charge?

A: About 2-3 hours. This depends on the volume level.

Q: How far can the TV audio be transmitted?

A: Usually audio signal can go up to 100 feet in line-of-sight open air. Sound reproduction can go through walls and ceilings.

Q: Can the battery be replaced or can I purchase additional battery?

A: Yes. Battery can be easily replaced by users. Additional battery is available separately on SIMOLIO store in Amazon. Or simply visit [www.simolio.com/usa](http://www.simolio.com/usa)

[pdf] User Manual Frequently Asked Questions

samea SIMOLIO Portable Wireless TV Speakers for Smart Speaker with Clear Dialogue and Tone Control Ideal Seniors The Elderly Without Blaring Volume 100ft Long Range FAQ Simolio 61K8iWWW1CL m media amazon images I |||

SIMOLIO Wireless TV Speakers Model: **SM-621D** Color: Silver Q: Speaker system is connected to TV using the optical cable. There is visible red light through the TV to the speaker base. Why is there no sound A: Please make sure that TV and TV box s digital audio format is set to PCM, or that Dolby o...

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Reference No.: WTX21X02011253W-1 Page 1 of 10

ANNEX

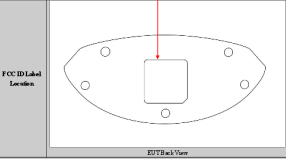
EXHIBIT 1 - PRODUCT LABELING

Proposed FCC ID Label Format

FCC ID: 2AYV2-SM621D

Specification: The label shall be securely affixed to a permanently attached part of the device, in a location where it is visible or easily accessible to the user, and shall not be readily detachable. The label shall be sufficiently durable to ensure fully legible and intact on the device in all normal conditions of use throughout the device's expected lifetime.

Proposed Label Location on EUT



Watsch Testing Group (Shenzhen) Co., Ltd.

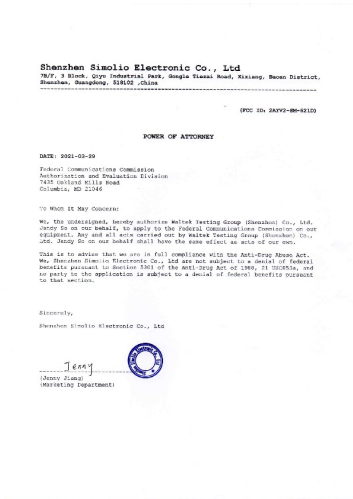
http://www.watsch.com.cn

[pdf] Label

Label and Location Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

Reference No.: WTX21X02011253W-1 Page 1 of 10 ANNEX EXHIBIT 1 - PRODUCT LABELING Proposed FCC ID Label Format FCC ID: 2AYV2-**SM-621D** Specifications: The label shall be securely affixed to a permanently attached part of the device, in a location where it is visible or easily accessible to the user,...

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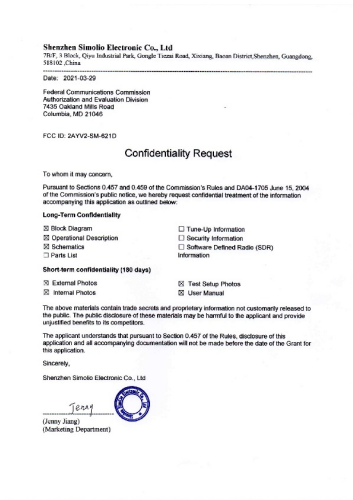


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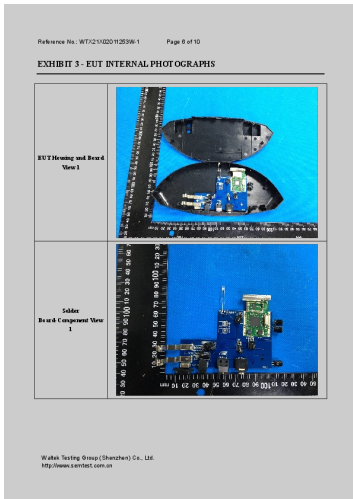


[pdf] Confidentiality Request Letter

Confidentiality Letter Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

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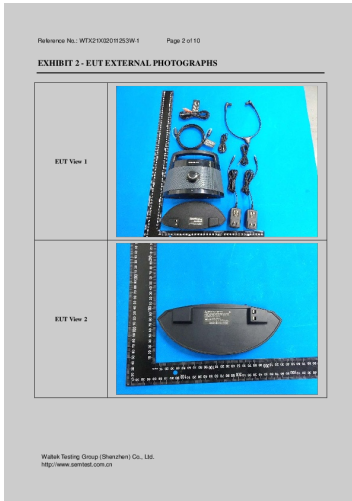


[pdf] Product Photos Teardown

Microsoft Word ANNEX Part 15C Administrator Internal Photos Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

Reference No.: WTX21X02011253W-1 Page 6 of 10 EXHIBIT 3 - EUT INTERNAL PHOTOGRAPHS EUT Housing and Board View 1 Solder Board-Component View 1 Waltek Testing Group Shenzhen Co., Ltd. http://www.semtest.com.cn Reference No.: WTX21X02011253W-1 Page 7 of 10 Solder Board-Component View 2 Anten...

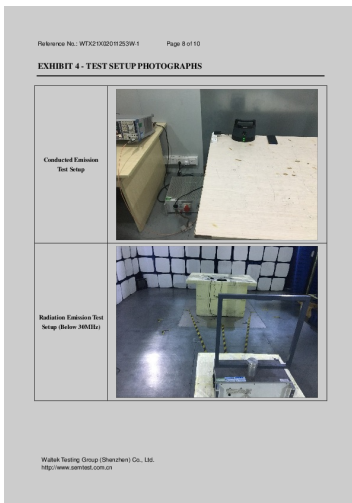
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[\[pdf\]](#) Product Photos

Microsoft Word ANNEX Part 15C Administrator External Photos Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

Reference No.: WTX21X02011253W-1 Page 2 of 10 EXHIBIT 2 - EUT EXTERNAL PHOTOGRAPHS EUT View 1 EUT View 2 Waltek Testing Group Shenzhen Co., Ltd. <http://www.semtest.com.cn> Reference No.: WTX21X02011253W-1 Page 3 of 10 EUT View 3 EUT View 4 Waltek Testing Group Shenzhen Co., Ltd. <http://...>  
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[\[pdf\]](#) Product Photos

Microsoft Word ANNEX Part 15C Administrator Test Setup Photos Shenzhen Simolio Electronic Co Ltd SM 621D Wireless Speaker 2AYV2 2AYV2SM621D sm 621d

Reference No.: WTX21X02011253W-1 Page 8 of 10 EXHIBIT 4 - TEST SETUP PHOTOGRAPHS Conducted Emission Test Setup Radiation Emission Test Setup Below 30MHz Waltek Testing Group Shenzhen Co., Ltd. <http://www.semtest.com.cn> Reference No.: WTX21X02011253W-1 Page 9 of 10 Radiation Emission Test...  
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