

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [BTECH](#) /

› [BTECH BS-22 Wireless Speaker Microphone Instruction Manual](#)

BTECH BS-22

BTECH BS-22 Wireless Speaker Microphone Instruction Manual

For GMRS-PRO and UV-PRO Series Radios

1. INTRODUCTION

The BTECH BS-22 Wireless Speaker Microphone is designed to provide seamless and clear communication with your BTECH GMRS-PRO and UV-PRO series radios. This device offers enhanced control and customization of your radio settings, ensuring reliable and uninterrupted communication in various environments. Its rugged, weatherproof design and efficient charging capabilities make it suitable for both outdoor adventures and professional use.

2. WHAT'S IN THE Box

- BS-22 Bluetooth Speaker Mic
- User Manual



Image 1: BTECH BS-22 Wireless Speaker Mic with included detachable clip and USB-C charging cable.

3. PRODUCT OVERVIEW AND FEATURES

The BS-22 Wireless Speaker Mic integrates several key features for optimal performance:

- **Effortless Wireless Integration:** Seamlessly connects to BTECH GMRS-PRO and UV-PRO radios via Bluetooth for easy control and communication.
- **Rapid USB-C Charging:** Equipped with a USB-C port for quick and efficient power replenishment.
- **Crystal-Clear Communication:** Operates via Bluetooth, providing reliable, interference-free communication with clear audio.
- **Rugged and Weatherproof:** Designed with an IP54 rating, capable of withstanding harsh weather conditions.
- **Built-in Lithium Battery:** Features a 1200 mAh, 3.7V lithium battery for extended use.

BS-22 WIRELESS BLUETOOTH SPEAKER MIC



FOR THE GMRS-PRO SERIES

Image 2: The BS-22 Wireless Speaker Mic positioned next to a BTECH GMRS-PRO radio, symbolizing their wireless connection.

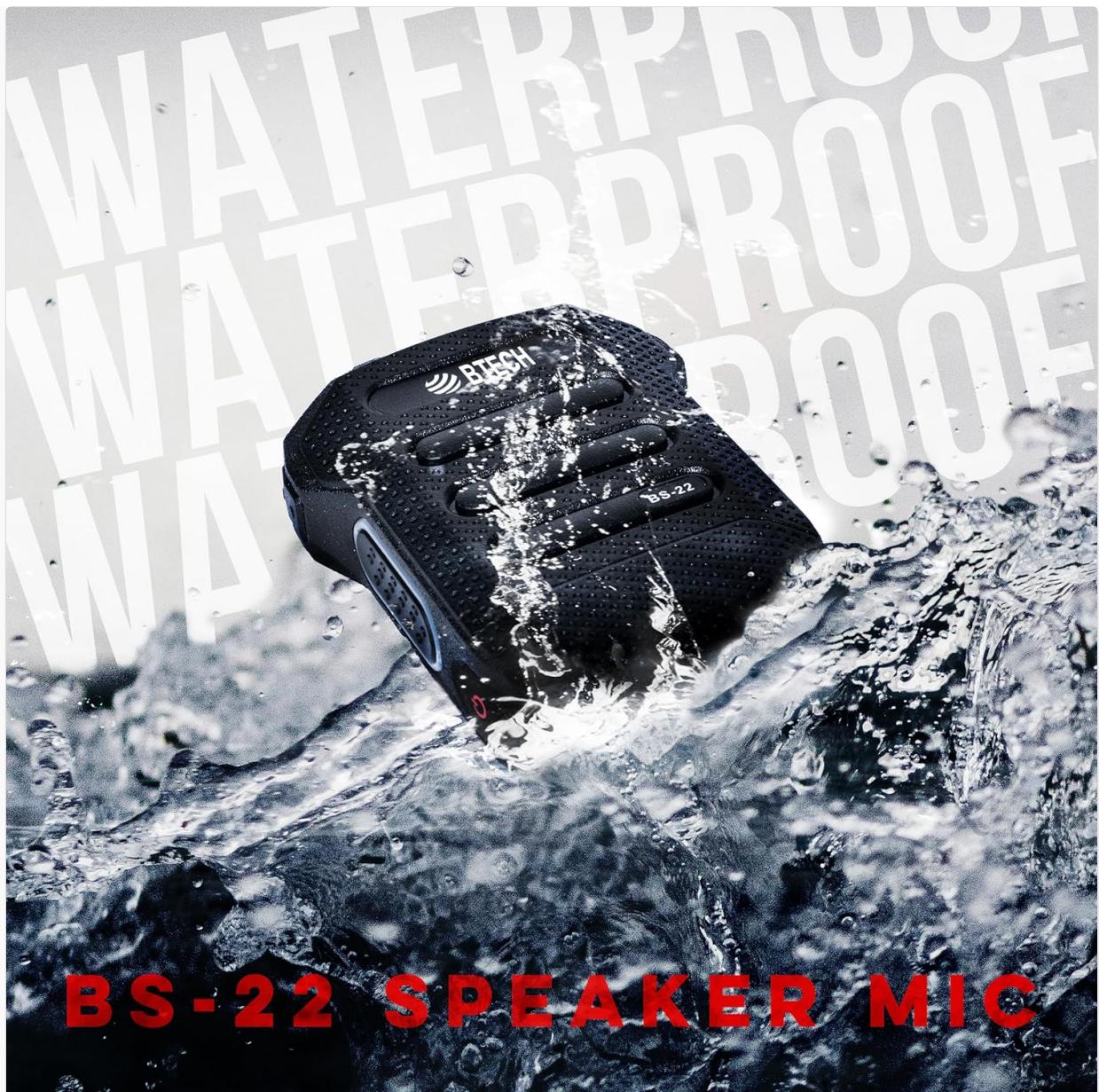


Image 3: The BS-22 Wireless Speaker Mic shown in splashing water, highlighting its weatherproof (IP54) capabilities.

4. SETUP INSTRUCTIONS

4.1. Charging the BS-22

Before initial use, fully charge your BS-22 Wireless Speaker Mic. The device is equipped with a USB-C port for convenient charging.

1. Connect the provided USB-C cable to the charging port on the BS-22.
2. Connect the other end of the USB cable to a compatible USB power source (e.g., wall adapter, computer USB port).
3. The charging indicator light will illuminate red during charging.
4. Once fully charged, the indicator light will turn green.

USB-C CHARGING



USB-C PLUG



RED CHARGING



GREEN CHARGED

Image 4: Detailed views of the USB-C charging port and the red (charging) and green (charged) indicator lights.

4.2. Pairing with Your Radio

The BS-22 connects wirelessly to your BTECH GMRS-PRO or UV-PRO radio via Bluetooth.

1. Ensure your BTECH radio's Bluetooth feature is enabled and in pairing mode. Refer to your radio's manual for specific instructions on enabling Bluetooth pairing.
2. On the BS-22, perform a **very quick double press** of the side key to activate pairing mode. The device is designed to recognize a rapid double press as a distinct command.
3. Look for auditory or visual feedback from the BS-22, such as a beep or a specific light pattern, indicating it has entered pairing mode.
4. On your radio, select the BS-22 from the list of available Bluetooth devices to complete the pairing process.

Note: If the double press is too slow, the device might not register the command correctly, leading to pairing issues. Ensure the presses are rapid and decisive.



Image 5: Demonstrates the BS-22 being held near a GMRS-PRO radio, with the radio's screen showing the 'Pairing' option.

5. OPERATING INSTRUCTIONS

5.1. Push-to-Talk (PTT) Function

The large button on the front of the BS-22 serves as the Push-to-Talk (PTT) button.

- To transmit, press and hold the PTT button.
- Release the PTT button to stop transmitting and return to receive mode.

5.2. Volume Control

The BS-22 features dedicated buttons for adjusting the speaker volume.

- Use the **Volume Up** button (typically P2) to increase the audio output.
- Use the **Volume Down** button (typically P1) to decrease the audio output.

5.3. Mute/Unmute Function

To mute or unmute the microphone:

- Perform a **very quick double press** of the side key to mute or unmute the microphone. This is the same

action used for pairing.

- When the speaker is manually muted, the LED on the PTT button may slowly dim and brighten.
- To unmute the speaker if it was muted, a short click of the Volume Up (P2) button may be required.

6. MAINTENANCE

To ensure the longevity and optimal performance of your BS-22 Wireless Speaker Mic, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the BS-22 in a cool, dry place away from direct sunlight and extreme temperatures.
- **Water Exposure:** While the device is weatherproof (IP54), avoid prolonged submersion in water. Ensure the USB-C port cover is securely closed when not charging to maintain water resistance.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

7. TROUBLESHOOTING

If you encounter issues with your BS-22, refer to the following common troubleshooting steps:

7.1. Pairing Issues or Microphone Muted

If the device is not pairing or the microphone appears muted:

- **Quick Double Press:** The most common solution is to ensure you are performing **every quick double press** of the side key. If the double press is too slow, the device may not register the command for pairing or mute/unmute.
- **Auditory/Visual Feedback:** Listen for a beep or observe the LED indicator for confirmation that the device has recognized the double press.
- **Radio Bluetooth:** Confirm that your radio's Bluetooth is enabled and in pairing mode.

7.2. Speaker Mute/Unmute Behavior

If the speaker is muted and the LED is slowly fading on and out:

- A short click of the Volume Up (P2) button may unmute the speaker without changing the volume level.

7.3. Garbled Audio or Disconnection

If audio becomes garbled or the device disconnects:

- **Range:** Bluetooth range can be affected by obstacles and distance. Try reducing the separation between the BS-22 and your radio.
- **Power Cycle:** If audio remains unintelligible after moving closer, turn the BS-22 off and then on again to re-establish a clear connection.

8. SPECIFICATIONS

Feature	Specification
Model Name	BS-22
Connectivity Technology	Bluetooth, Wireless

Connector Type	USB-C
Power Source	Battery Powered (1 Lithium Ion battery required)
Battery Capacity	1200 mAh, 3.7 V (Built-in)
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional
Weatherproof Rating	IP54
Item Weight	1.5 ounces
Product Dimensions (L x W x H)	53 x 2 x 0.25 inches
UPC	850004124505



Image 6: A side profile of the BS-22 Speaker Mic, emphasizing its internal 1200 mAh, 3.7V lithium battery.

9. WARRANTY AND SUPPORT

BTECH products are designed in the USA (South Dakota) and are backed by a real USA warranty and support. For any issues that may arise, local support is available.

For additional resources, including software downloads and video tutorials, please visit:

- Software Downloads: <https://baofengtech.com/download>
- YouTube Tutorials: <https://www.youtube.com/c/Baofengtechradio>

© 2025 BTECH. All rights reserved.

Related Documents - BS-22

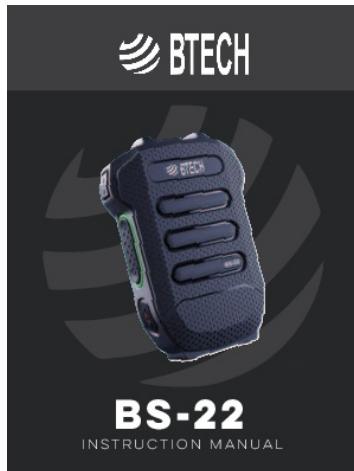
 <p>BS-22 INSTRUCTION MANUAL</p>	<p>BTECH BS-22 Wireless Speaker Microphone Instruction Manual</p> <p>Comprehensive instruction manual for the BTECH BS-22 Wireless Speaker Microphone, covering setup, pairing, operation, specifications, and troubleshooting.</p>
 <p><small>Copyright © 2021 by BTECH. https://baofengtech.com</small> <small>All rights reserved. Any part of this publication may be reproduced, distributed, or transmitted, in whole or in part, without prior permission or express written license from BTECH. The information contained in this document is subject to change without notice, and is provided "as is" without warranty of any kind, either express or implied. BTECH makes no representations or warranties with respect to the accuracy, and</small> <small>completeness of the information contained in this document. BTECH reserves the right to make changes in the content of this document at any time without prior notice, and is not responsible for typographical or editorial errors that may appear in the document. BTECH is a registered trademark of BTECH International, Inc. All other trademarks and service marks are the property of their respective owners. BTECH is not affiliated with any other company or organization.</small> <small>PLEASE READ THIS MANUAL CAREFULLY BEFORE USE</small></p>	<p>BTECH UV-25X2, UV-25X4, UV-50X2 User Manual</p> <p>Comprehensive user manual for BTECH UV-25X2, UV-25X4, and UV-50X2 multi-band mobile radios. Covers setup, operation, programming, and technical specifications for reliable communication.</p>
 <p>BF-F8HP-PRO INSTRUCTION MANUAL</p>	<p>BTECH BF-F8HP PRO Amateur Radio Instruction Manual</p> <p>Comprehensive instruction manual for the BTECH BF-F8HP PRO dual-band amateur radio. Learn about its features, operation, programming, safety guidelines, and troubleshooting for reliable communication.</p>
 <p>BF-F8HP-PRO INSTRUCTION MANUAL</p>	<p>BTECH BF-F8HP PRO Instruction Manual</p> <p>Comprehensive instruction manual for the BTECH BF-F8HP PRO Amateur Radio, covering operation, features, safety, and troubleshooting for this dual-band, dual-display, dual-watch device.</p>
 <p>BTECH PREDICTIVE. PROACTIVE. THE BENCHMARK FOR MODERN BATTERY MANAGEMENT SYSTEMS</p> <p><small>THE BTECH S5 BATTERY MANAGEMENT SYSTEM IS THE BENCHMARK FOR MODERN BATTERY MANAGEMENT SYSTEMS. It is a comprehensive solution for monitoring and managing battery power in various applications. The S5 features advanced diagnostics, real-time data, and robust notifications for critical applications. It is designed to be easy to install and use, with a user-friendly interface and reliable performance.</small></p>	<p>BTECH S5 Battery Management System Lead Acid & NiCad Monitoring</p> <p>Discover the BTECH S5 Battery Management System, a comprehensive solution for monitoring Lead Acid and NiCad batteries. Features advanced diagnostics, real-time data, and robust notifications for critical applications.</p>



[BTECH BS-22 Wireless Speaker Microphone Instruction Manual](#)

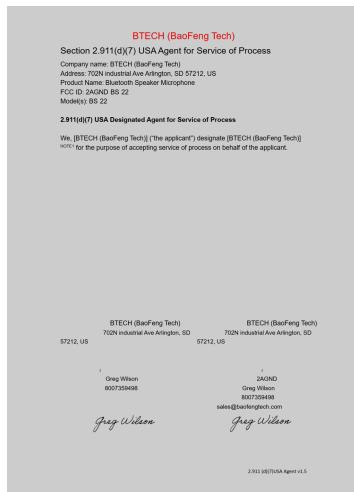
Comprehensive instruction manual for the BTECH BS-22 Wireless Speaker Microphone, covering setup, pairing, operation, specifications, and troubleshooting.

Documents - BTECH – BS-22



[BTECH BS-22 Wireless Speaker Microphone Instruction Manual](#)

Comprehensive instruction manual for the BTECH BS-22 Wireless Speaker Microphone, covering setup, pairing, operation, specifications, and troubleshooting.
lang:en score:33 filesize: 837.41 K page_count: 8 document date: 2024-01-18

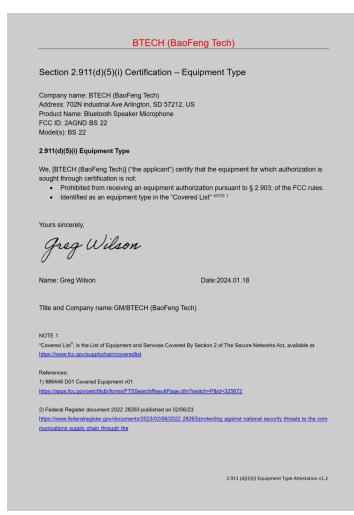


[\[pdf\]](#)

dell990 2 911 d 7 US Agent for Service of Process v1 BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

BTECH BaoFeng Tech Section 2.911 d 7 USA Agent for Service of Process Company name: BTECH BaoFeng Tech Address: 702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth Speaker Microphone FCC ID: 2AGND-**BS-22** Model s : **BS-22** 2.911 d 7 USA Designated Agent for Service of Process W...

lang:en score:26 filesize: 193.35 K page_count: 2 document date: 2024-01-18



[\[pdf\]](#)

dell990 2911 d 5 i Certification Equipment Type v12 BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

BTECH BaoFeng Tech Section 2.911 d 5 i Certification Equipment Type Company name: BTECH BaoFeng Tech Address: 702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth Speaker Microphone FCC ID: 2AGND-**BS-22** Model s : **BS-22** 2.911 d 5 i Equipment Type We, BTECH BaoFeng Tech ...

lang:en score:26 filesize: 178.83 K page_count: 1 document date: 2024-01-18

BTECH (BaoFeng Tech)

[pdf]

dell990 2911 d 5 ii Certification Applicant v12 BTECH BaoFeng Tech BS 22 Bluetooth Speaker
Microphone 2AGND 2AGNDBS22 bs

BTECH BaoFeng Tech Section 2.911 d 5 ii Certification Applicant Covered List

Company name: BTECH BaoFeng Tech Address: 702N industrial Ave Arlington, SD

57212, US Product Name: Bluetooth Speaker Microphone FCC ID: 2AGND-**BS-22**

Model s : BS-22 2.911 d 5 ii Applicant filing We. BTECH Bao...

lang:en score:25 filesize: 183.83 K page count: 1 document date: 2024-01-24

Radio Test Report

[pdf] Test Report SAR Rating

Measurement Report Kent MPE BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

Radio Test Report Report No.:STS2312145H01 Issued for BTECHBaofeng Tech
702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth Speaker
Microphone Brand Name: BTECH Model Name: **BS-22** Series Model s : N/A FCC ID:
2AGND-**BS-22** Test Standards: FCC 47CFR 2.1093 The test results presented in t...
lang:en score:25 filesize: 677.78 K page_count: 10 document date: 2024-01-09

[\[pdf\]](#) Agent Authorization

PLEASE PRINT ON COMPANY LETTERHEAD MiCOM Labs Inc QMS AgentAuthorizationRev1 0

BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

BTECH BaoFeng Tech Agent Authorization Company: BTECH BaoFeng Tech

Address: 702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth

Speaker Microphone Model Number s : **BS-22** Product Description: Bluetooth

Speaker Microphone We authorize MiCOM Labs Inc., 575 Boulder Court,

Pleasanton...

lang:en score:24 filesize: 13.13 K page_count: 1 document date: 2024-01-18

BTCH (BeiFeng Tech)

Authorization Letter

WA:

The company listed

Company name

BTCH (BeiFeng Tech)

Address

7620 Industrial Ave, Arlington, SD 57121, US

declare that the following representative (agent):

Name (person)

Boyu Yang

Company name

Shenhe STS Test Services Co., Ltd.

Address

1/F, Building B, Zhongke Science Park, No. 100, Changning Road,
Changning District, Beijing, China, 100192

City

Shenhe

Country

China

to act on our behalf on all matters concerning the application and documents submitted to Moon Lab for product certification below.

Product Description

Bluetooth Speaker Microphone

Type or Model

BS-02

Trademark or Brand

BTCH

Attestation:

Qty:	Date:	Name:	Function:	Signature:
One	2024-01-18	Jiahe Li	PM	Jiahe Li Administrator

[pdf] Agent Authorization

Adam AuthorizationLetter BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND
2AGND BRS22 hs

BTECH BaoFeng Tech Authorization Letter We, the approval holder Company name
Addresss BTECH ... or product certification below Product Description Bluetooth
Speaker Microphone Type or Model s **BS-22** Tradename or Brand s BTECH

Attestation: City: China Date: Name: this must be a person ...
lang:en score:24 filesize: 76.63 K page_count: 1 document date: 2024-01-18

BTECH (BaoFeng Tech)

[pdf] Confidentiality Request Letter

Fiona Ffuellenbach Long Term Confidentiality BTECH BaoFeng Tech BS 22 Bluetooth Speaker
Microphone 2AGND 2AGNDBS22 ps

BTECH BaoFeng Tech Office of Engineering Technology Federal Communications
Commission 7435 Oakland Mills Road Columbia, MD 21046 USA Subject: Request
for Confidentiality FCC ID: 2AGND-**BS-22** Date: 2024.01.18 To Whom It May
Concern, Pursuant to the provisions of the Commission's rules Title 47 Se...
lang:en **score:22** filesize: 66.34 K page_count: 1 document date: 2024-01-18

Radio Test Report

[pdf] Test Report

Microsoft Word TR STS2312145W01 RF BLE 5.0 Part 15.247 docx Administrator Test Report BTECH
BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

Radio Test Report Report No.:STS2312145W01 Issued for BTECHBaofeng Tech
702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth Speaker
Microphone Brand Name: BTECH Model Name: **BS-22** Series Model s : N/A FCC ID:
2AGND-**BS-22** Test Standards: FCC Part15.247 The test results presented in thi...
lang:en **score:20** filesize: 3.92 M page_count: 73 document date: 2024-01-10

Radio Test Report

Report No.:STS2312145W02

Issued for

BTECH (Baofeng Tech)

702N industrial Ave Arlington, SD 57212, US

Product Name: Bluetooth Speaker Microphone

Brand Name: BTECH

Model Name: BS-22

Series Model(s): N/A

FCC ID: 2AGND-BS-22

Test Standard: FCC Part15.247

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

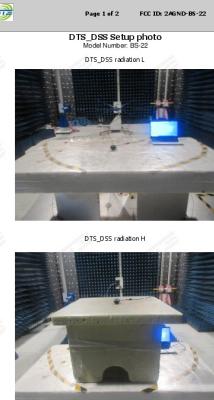
[pdf] Test Report

Microsoft Word TR STS2312145W02 RF BT Part 15 247 docx Administrator Test Report BTECH

BaoFeng Tech BS 22 2AGND 2AGNDBS22 bs

Radio Test Report Report No.:STS2312145W02 Issued for BTECHBaofeng Tech 702N industrial Ave Arlington, SD 57212, US Product Name: Bluetooth Speaker Microphone Brand Name: BTECH Model Name: **BS-22** Series Model s : N/A FCC ID: 2AGND-**BS-22** Test Standards: FCC Part15.247 The test results presented in thi... lang:en score:19 filesize: 3.53 M page_count: 95 document date: 2024-01-19

SHENZHEN STS TEST SERVICES CO., LTD. © 2023 Shenzhen STS Test Services Co., Ltd. All rights reserved. This document is not a final test report. The final test report is available on the Shenzhen STS website.



[pdf] Product Photos

admin Test Setup Photos BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

Page 1 of 2 FCC ID: 2AGND-**BS-22** DTS_DSS Setup photo Model Number: **BS-22** DTS_DSS radiation L DTS_DSS radiation H Page 2 of 2 FCC ID: 2AGND-**BS-22** DTS_DSS conduction ...

lang:en score:15 filesize: 423.81 K page_count: 2 document date: 2024-01-09



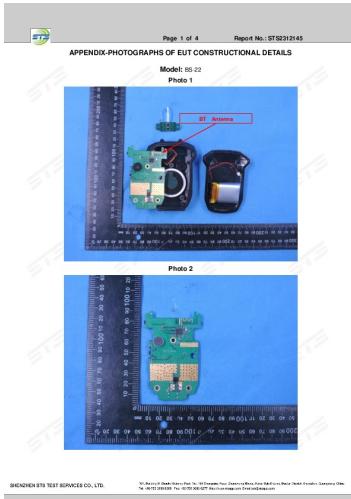
[pdf] Product Photos

Measurement Report Kent External photos BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs

Page 1 of 3 Report No.: STS2312145 APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS Model: **BS-22** Photo 1 Photo 2 Page 2 of 3 Photo 3 Report No.: STS2312145 Photo 4 Page 3 of 3 Photo 5 Report No.: STS2312145 Photo 6 ...

lang:en score:13 filesize: 898.54 K page_count: 3 document date: 2024-01-11

SHENZHEN STS TEST SERVICES CO., LTD. © 2023 Shenzhen STS Test Services Co., Ltd. All rights reserved. This document is not a final test report. The final test report is available on the Shenzhen STS website.

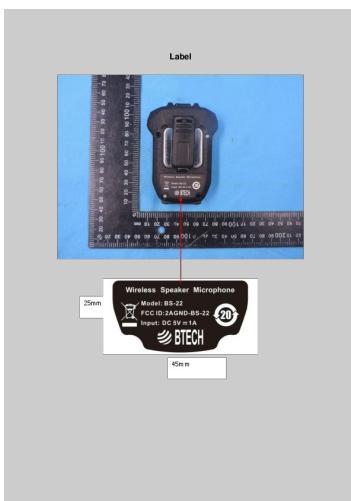


[pdf] Product Photos Teardown

Measurement Report Kent Internal Photos BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone
2AGND 2AGNDBS22 bs

Page 1 of 4 Report No.: STS2312145 APPENDIX-PHOTOGRAPHS OF EUT
CONSTRUCTIONAL DETAILS Model: **BS-22** Photo 1 BT Antenna Photo 2 Page 2 of
4 Photo 3 Report No.: STS2312145 Photo 4 Page 3 of 4 Photo 5 Report No.:
STS2312145 Photo 6 Page 4 of 4 Photo 7 Report No.: STS2312145 ...
lang:en **score:12** filesize: 982.74 K page_count: 4 document date: 2024-01-11

lang:en score:12 filesize: 982.74 K page_count: 4 document date: 2024-01-11



[pdf] Label

admin Label BTECH BaoFeng Tech BS 22 Bluetooth Speaker Microphone 2AGND 2AGNDBS22 bs
Label 25mm 45mm ...

lang:en score:10 filesize: 185.13 K page_count: 1 document date: 2024-01-18