

[manuals.plus](#) /› [alacrity](#) /› **Alacrity 3-in-1 Bluetooth Pet Microchip Reader User Manual****alacrity MJ-Q30**

# Alacrity 3-in-1 Bluetooth Pet Microchip Reader User Manual

Model: MJ-Q30

## 1. INTRODUCTION

This manual provides detailed instructions for the Alacrity 3-in-1 Bluetooth Pet Microchip Reader (Model MJ-Q30). This device is designed for reading animal microchips, supporting ISO11784, ISO11785, FDX-B, and EMID standards. It features a 1.44-inch TFT screen, an 800mAh rechargeable battery, and offers versatile connectivity options including 2.4GHz wireless, Bluetooth, and USB wired connections. The reader can store up to 240 pieces of data and supports both hexadecimal and decimal data output.





Image: The Alacrity 3-in-1 Bluetooth Pet Microchip Reader, showcasing its compact design and integrated screen.

## 2. PACKAGE CONTENTS

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Please verify that all items listed below are present in your package:

- 1 x Pet Microchip Scanner (Alacrity MJ-Q30)
- 1 x English User Manual
- 1 x USB Cable
- 1 x 2.4GHz Wireless Dongle



 **Bluetooth**

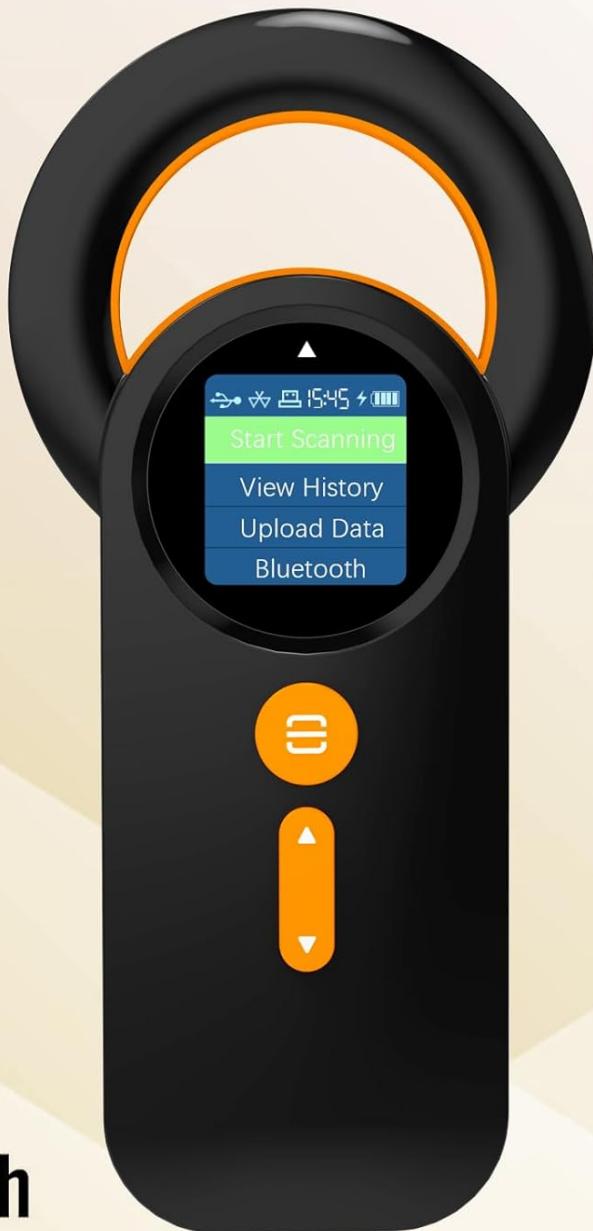


Image: Contents of the product package, including the scanner, user manual, USB cable, and 2.4GHz wireless dongle.

### 3. PRODUCT FEATURES

- **Multi-Standard Support:** Compatible with ISO11784 / ISO11785 / FDX-B and EMID microchips. (Note: Does not read AVID microchips.)
- **Dual Data Output:** Supports both hexadecimal and decimal data output, selectable by the user.
- **1.44" TFT Screen:** Displays battery level, working mode, connection status, and microchip data clearly.
- **3-in-1 Connectivity:** Offers USB wired, 2.4GHz wireless, and Bluetooth connections for versatile use. Plug and play, no driver installation required.
- **Two Working Modes:**
  - **Upload Instantly Mode:** Data is transmitted immediately upon scanning.
  - **Storage Mode:** Stores up to 240 pieces of data internally for later upload.
- **Long Battery Life:** Equipped with an 800mAh rechargeable battery, providing up to 16 hours of continuous working time and 3 days of standby time.

- **Portable Design:** Compact and lightweight for easy carrying and use in various environments.

# Adopt Upgraded RFID Technology Identify the farther distance



2-12mm glass tube  
label>8mm



30mm animal ear mark>20mm  
(related to label performance)



Image: Illustration of the upgraded RFID technology, demonstrating effective reading distances for 2-12mm glass tube labels (>8mm) and 30mm animal ear marks (>20mm).

**800mah Battery Capacity  
15 hours continuous working time**



**800mah  
Battery Capacity**



**15 hours  
Continuous working**



**3 days  
Standby time**

Image: Visual representation of the 800mAh battery capacity, indicating 15 hours of continuous working time and 3 days of standby time.

#### 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Alacrity Pet Microchip Reader:



Image: A detailed diagram of the microchip reader with the following labeled parts: (1) Scan Position, (2) Page Up button, (3) TFT Display Screen, (4) Scan Button, (5) Page Down button, and (6) Type-C Interface.

- 1. Scan Position:** The area where the microchip is read.
- 2. Page Up Button:** Used to navigate up through menus or stored data.
- 3. TFT Display Screen:** Shows device status, menu options, and scanned data.
- 4. Scan Button:** Initiates the microchip scanning process.
- 5. Page Down Button:** Used to navigate down through menus or stored data.
- 6. Type-C Interface:** For charging the device and connecting via USB.

## 5. SETUP

### 5.1 Initial Charging

Before first use, fully charge the device. Connect the provided USB cable to the Type-C interface (6) on the reader and the other end to a USB power adapter (not included) or a computer's USB port. The screen will indicate charging status.

## 5.2 Powering On/Off

To power on the device, press and hold the Scan Button (4) for a few seconds until the TFT Display Screen (3) illuminates. To power off, press and hold the Scan Button (4) again until the screen turns off.

## 6. OPERATING INSTRUCTIONS

### 6.1 Connecting the Reader

The Alacrity Pet Microchip Reader offers three connection methods:

- **2.4GHz Wireless Connection:**

Insert the 2.4GHz wireless dongle into a USB port on your computer. The reader will automatically connect to the dongle. This connection is ideal for stable, short-range wireless data transfer to a PC.



Image: Demonstrates the 2.4GHz wireless connection by plugging the USB dongle into a laptop, with the scanner displaying connection status.

- **Bluetooth Wireless Connection:**

On the reader's TFT screen, navigate to the Bluetooth option using the Page Up/Down buttons (2, 5) and select it with the Scan Button (4). On your smartphone or computer, enable Bluetooth and search for "Alacrity Reader" or similar. Pair with the device. This connection is suitable for mobile devices.



Image: Shows the three connection methods: 2.4GHz wireless via dongle, Bluetooth wireless connecting to a smartphone, and USB wired connection to a laptop.

- **USB Wired Connection:**

Connect the reader directly to your computer using the provided USB cable via the Type-C interface (6). The device will function as a standard USB input device, allowing direct data transfer.

## 6.2 Scanning Microchips

To scan a microchip:

1. Ensure the reader is powered on.
2. Position the Scan Position (1) of the reader close to the animal's microchip implant site.
3. Press the Scan Button (4). The reader will emit a beep and display the microchip ID on the TFT Display Screen (3) if a chip is detected. The reading time is typically less than 100ms.
4. The displayed ID can be in hexadecimal or decimal format, depending on your selected setting.

**TFT display screen**  
**Scan the chip to directly display the barcode content**  
**Reading Time:<100ms**



Image: A user scanning a pet's microchip with the Alacrity reader, showing the device's screen displaying the scanned barcode content.

### 6.3 Data Storage and Upload

The reader supports two data handling modes:

- **Upload Instantly Mode:** In this mode, each scanned microchip ID is immediately transmitted to the connected device (computer or smartphone). This is the default mode for real-time data capture.
- **Storage Mode:** To use this mode, select "Storage Mode" from the reader's menu. Scanned microchip IDs will be saved internally. The device can store up to 240 pieces of data. To upload stored data, connect the reader to a computer via USB or 2.4GHz wireless dongle, navigate to "Upload Data" on the reader's screen, and confirm the upload. The data will be transferred to your computer.

# Up to 240 labels can be saved for mass storage



Image: Illustrates the data storage capability, showing the scanner saving up to 240 labels and the process of uploading data to a computer, suitable for various animal types.

## 7. MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Store the reader in a cool, dry place away from direct sunlight and extreme temperatures.
- Protect the TFT display screen from scratches.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.
- Ensure the Type-C port is free of dust and debris.

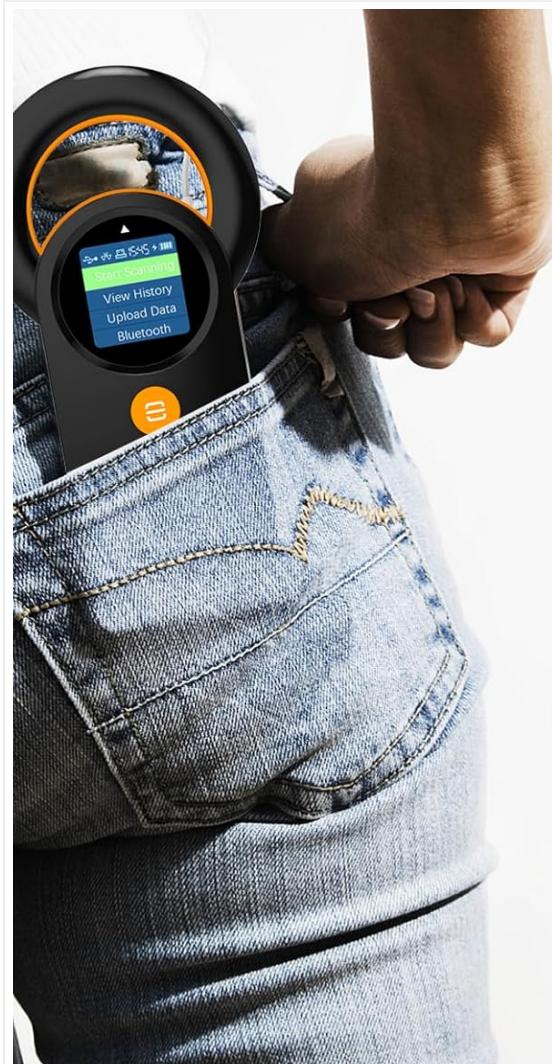
## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Low battery or no charge.	Charge the device fully using the provided USB cable.
Cannot read microchip.	Microchip not supported (e.g., AVID). Incorrect scanning distance/angle. Microchip damaged or too deep.	Verify chip standard (ISO11784/11785/FDX-B/EMID). Ensure the scan position is directly over the chip. Try repositioning the animal or consult a veterinarian.
2.4GHz/Bluetooth connection fails.	Dongle not properly inserted (2.4GHz). Bluetooth not enabled on host device. Device not in pairing mode. Out of range.	Reinsert dongle. Enable Bluetooth and search for device. Ensure reader is in Bluetooth pairing mode. Move reader closer to the host device.
Data not uploading.	Incorrect working mode. Connection issue.	Ensure device is in "Storage Mode" and "Upload Data" is selected. Check USB/wireless connection.

## 9. SPECIFICATIONS

Feature	Detail
Model	MJ-Q30
Supported Microchips	ISO11784 / ISO11785 / FDX-B, EMID (Does not read AVID)
Display Screen	1.44-inch TFT Screen
Connectivity	2.4GHz Wireless, Bluetooth, USB Wired
Battery Capacity	800mAh Rechargeable Lithium Polymer Battery
Continuous Working Time	Up to 16 hours
Standby Time	Up to 3 days
Data Storage Capacity	240 pieces of data
Data Output Format	Hexadecimal & Decimal
Item Weight	4.2 ounces (approx. 119 grams)
Package Dimensions	6.57 x 4.61 x 1.06 inches



15.5mm/0.6in

52.3mm/2.0in

15.6mm/6.1in



Weight:  
2.6oz / 73.8g

**Portable scanning chip,  
scan the chip at any time,  
both scanning and moving**

Image: Technical drawing showing the dimensions of the Alacrity Pet Microchip Reader (15.8mm/6.1in height, 52.3mm/2.0in width, 15.5mm/0.6in thickness) and its weight (2.6oz / 73.8g), highlighting its portability.

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official Alacrity website. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** alacrity

**Date First Available:** September 23, 2023

	<p><a href="#"><b>Q40 Animal Chip Scanner Instruction Manual</b></a></p> <p>Instruction manual for the Q40 low-frequency tag scanner, detailing its features, operation, and technical specifications for animal management and resource tracking.</p>
	<p><a href="#"><b>Shenzhen Alacrity MJ-X5 Mini Bluetooth Barcode Scanner User Guide</b></a></p> <p>Comprehensive guide for the Shenzhen Alacrity MJ-X5 Mini Bluetooth Barcode Scanner, covering features, performance parameters, connection methods, wireless pairing (2.4GHz and Bluetooth), and various operational settings for efficient data capture.</p>
<p>Беспроводной Bluetooth/2.4G Сканер Штрих-кода</p> <p>Руководство пользователя</p>	<p><a href="#"><b>Wireless Bluetooth/2.4G Barcode Scanner User Manual</b></a></p> <p>Comprehensive user manual for the Wireless Bluetooth/2.4G Barcode Scanner, detailing its features, technical specifications, operating modes, connection methods, safety precautions, and troubleshooting tips.</p>
	<p><a href="#"><b>Siemens MJ-5(TM) Voltage Regulator Control Panel Installation and Operations Manual</b></a></p> <p>This manual provides comprehensive instructions for the installation, operation, and maintenance of the Siemens MJ-5(TM) Voltage Regulator Control Panel. It covers front panel controls, display screens, metering, data logging, and various operational modes like Voltage Limit Control, Line Drop Compensation, and Reverse Power Flow.</p>
<p>2D Barcode Scanner User Manual</p> <p>BROCHURE</p> <p></p>	<p><a href="#"><b>Symcode MJ-340 2D Barcode Scanner User Manual</b></a></p> <p>Comprehensive user manual for the Symcode MJ-340 2D Barcode Scanner, covering setup, performance specifications, communication modes, and configuration options.</p>
	<p><a href="#"><b>Hephk Audio YYK-Q30 Wireless Earbuds: Quick Start Guide and Technical Specifications</b></a></p> <p>Comprehensive guide for Hephk Audio YYK-Q30 wireless earbuds, covering setup, usage, touch commands, app functions, charging, and technical specifications. Includes FCC compliance information.</p>

Model difference declaration letter  
Differences Description  
FCC ID: 2A4TH-MJ-1930

We ShenZhen Alacrity Barcode Technology Co.,Ltd state:  
Product: 2.4G Bluetooth Wireless Barcode Scanner  
Model Name: MJ-1930,MJ-1901,MJ-1902,MJ-1903,MJ-1904  
We ShenZhen Alacrity Barcode Technology Co.,Ltd state that all the models are electrical identical including the same active parameter and hardware design (e.g. circuit design, PCB Layout, RF module/circuit, antenna type(s) and antenna location, components on PCB, etc.). same mechanical design including product enclosure, materials, etc. the only difference is the model name and appearance etc.

Signature  
Date: 04-18-2024  
Name: Long Tang  
Title: Manager

  
Signature of applicant:

## [pdf] Declaration of Conformity

Differences Description simple Family declaration Shenzhen Alacrity Barcode Technology Co Ltd MJ 1930 2 4G Bluetooth Wireless Scanner 2A4TH 2A4THMJ1930 mj

Model difference declaration letter Differences Description FCC ID2A4TH-MJ-1930

We ShenZhen Alacrity Barcode Technology Co.,Ltd state: Product Model Name 2.4G/Bluetooth Wireless Barcode Scanner MJ-1930,MJ-1901,MJ-1902,MJ-1903,MJ-1904, MJ-1911, MJ-2020,MJ-Q10,MJ-Q20, **MJ-Q30** We ShenZhen Alacrity ... lang:en score:23 filesize: 111.34 K page\_count: 1 document date: 2024-04-18

C5266091\_X8\_Ed.1

Letter of Authorization  
ShenZhen Alacrity Barcode Technology Co.,Ltd  
Company: ShenZhen Alacrity Barcode Technology Co.,Ltd  
Address: 79 Building B Southern Pearl Technology Park, No.6023  
Product Name: 2.4G Bluetooth Wireless Barcode Scanner  
Model Number: MJ-1930,MJ-1901,MJ-1902,MJ-1903,MJ-1904,MJ-1911,MJ-2020,MJ-Q10,MJ-Q20,MJ-Q30  
FCC ID: 2A4TH-MJ-1930  
We authorize LGAI Technological Center S.A., Ronda de la Font del Carme, s/n, 08950 Bellaterra, Spain, to act on our behalf on all matters concerning the above mentioned products.

Any individual within LGAI Technological Center S.A. is authorized to act on our behalf and take action on the application.

We declare that, authorize LGAI Technological Center S.A., Ronda de la Font del Carme, s/n, 08950 Bellaterra, Spain, is allowed to forward all information related to the above mentioned products to the FCC, and to act on our behalf and to discuss any issues concerning the application/approval. Any and all acts carried out by LGAI Technological Center S.A. on our behalf shall have the same effect as acts of our own.

Name: Long Tang  
Date: 2024-04-16  
Title: Manager

  
Signature of applicant:

## [pdf]

Microsoft Word C5266091 X8 Letter of Authorization Agent v1 ShenZhen Alacrity Barcode Technology Co Ltd MJ 1930 2 4G Bluetooth Wireless Scanner 2A4TH 2A4THMJ1930 mj

C5266091\_X8\_Ed.1 Letter of Authorization ShenZhen Alacrity Barcode Technology

Co.,Ltd Company: ShenZhen Alacrity Barcode Technology Co.,Ltd Model Number: MJ-1930,MJ-1901,MJ-1902,MJ-1903,MJ-1904,MJ-1911,MJ-2020,MJ-Q10,MJ-Q20, **MJ-Q30** FCC

Identifier: 2A4TH-MJ-1930 We authorize LGAI Technological Center S.A., Ronda de la Font d...  
lang:en score:23 filesize: 147.17 K page\_count: 1 document date: 2024-04-21



FCC Test Report

Report No: FCS202403240W01

Issued for

Applicant:	ShenZhen Alacrity Barcode Technology Co.,Ltd
Address:	79 Building B Southern Pearl Technology Park, No.6023, Yantian Road, Dongguan, Longhua, Shenzhen
Product Name:	2.4G/Bluetooth Wireless Barcode Scanner
Brand Name:	AlA
Model Name:	MJ-1930
Series Model:	MJ-1901,MJ-1902,MJ-1903,MJ-1904,MJ-1911,MJ-2020,MJ-Q10,MJ-Q20, <b>MJ-Q30</b>
FCC ID:	2A4THMJ1930

Issued By: Flux Compliance Service Laboratory  
Add: Room 105 Floor 10 Building B Southern Pearl Technology Park, Shenzhen, China  
Industrial, Songshan Lake District, Shenzhen  
Tel: 755-27380801 Fax: 755-27380811 <http://www.flux.com>

## [pdf] Test Report

Measurement Report Kent Test reports Shenzhen Alacrity Barcode Technology Co Ltd MJ 1930 2 4G Bluetooth Wireless Scanner 2A4TH 2A4THMJ1930 mj

FCC Test Report Report No: FCS202403240W01 Issued for Applicant: Address:

Product Name: ShenZhen Alacrity Barcode Technology Co.,Ltd Model Number: MJ-1930,MJ-1901,MJ-1902,MJ-1903,MJ-1904,MJ-1911,MJ-2020,MJ-Q10,MJ-Q20, **MJ-Q30** FCC ID: 2A4TH-MJ-1930 Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Ba...  
lang:en score:21 filesize: 2.3 M page\_count: 31 document date: 2024-04-26



## FCC Test Report

Report No: FCS202403240W02

Issued for

Applicant	ShenZhen Alacrity Barcode Technology Co.,Ltd
Address	DF Building B Southern Pearl Technology Park, No.63, Yinghai Road, Dapeng, Longhua, Shenzhen
Product Name	2.4G Bluetooth Wireless Barcode Scanner
Brand Name	N/A
Model Name	MJ-1930
Series Model	MJ-1901, MJ-1902, MJ-1903, MJ-1904, MJ-1911, MJ-1903, MJ-1904, MJ-1902, MJ-1901, MJ-1905, MJ-1906, MJ-1907, MJ-1908, MJ-1909, MJ-1910, MJ-1911, MJ-1912, MJ-1913, MJ-1914, MJ-1915, MJ-1916, MJ-1917, MJ-1918, MJ-1919, MJ-1920, MJ-1921, MJ-1922, MJ-1923, MJ-1924, MJ-1925, MJ-1926, MJ-1927, MJ-1928, MJ-1929, MJ-1930
FCC ID	2A4TH-MJ-1930
Issued By	Flux Compliance Service Laboratory
Add:	Room 108 Floor 8a Nan Technology Building Y10-15 Longye West Road Hi-Tech Industrial, Shenzhen 518055, China
Tel:	755-27360001 ... Fax: 755-27360001 ... Mj@weal.net

## [pdf] Test Report

Measurement Report Kent Test reports Shenzhen Alacrity Barcode Technology Co Ltd MJ 1930 2 4G

Bluetooth Wireless Scanner 2A4TH 2A4THMJ1930 mj

FCC Test Report Report No: FCS202403240W02 Issued for Applicant: Address: Product Name: ShenZhen A ... Name: Series Model: N/A MJ-1930 MJ-1901,MJ-1902, MJ-1903, MJ-1904, MJ-1904, MJ-1911, MJ-2020,MJ-Q10,MJ-Q20, **MJ-Q30** FCC ID: 2A4TH- MJ-1930 Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Ba... lang:en score:21 filesize: 3.93 M page\_count: 40 document date: 2024-04-18

Model difference declaration letter  
Differences Description  
FCC ID: 2A4TH-MJ-Q40

We ShenZhen Alacrity Barcode Technology Co.,Ltd state:  
Product: ANIMAL CHIP READER  
Model Name: MJ-Q40,MJ-Q41,MJ-Q42,MJ-Q43,MJ-Q44,MJ-Q45,MJ-Q46,MJ-Q47,MJ-Q48,MJ-Q49, **MJ-Q30**  
We (ShenZhen Alacrity Barcode Technology Co.,Ltd) hereby state that all the models are electrical identical including the same software parameter and hardware design (i.e., circuit design, PCB Layout, RF module/circuit, antenna type(s) and antenna location, components on PCB, etc.). Same mechanical structure and design (including product enclosure, materials, etc.) the only difference is the model name and appearance/color.

Signature  
Date: 04-18-2024  
Name: Long Tang Date: Apr 18, 2024  
Title: Manager

Signature of applicant:

## [pdf] Declaration of Conformity

Differences Description simple Family declaration Enping Weiteng Audio Equipment Factory AR2090 2BGDV 2BGDV2090 ar2090

Model difference declaration letter Differences Description FCC ID2A4TH-MJ-Q40

We ShenZhen Alacrity Barcode Technology Co.,Ltd state: Product Model Name ANIMAL CHIP READER MJ-Q40,MJ-Q41,MJ-Q42,MJ-Q43,MJ-Q44, MJ-Q45,MJ-Q46,MJ-Q47,MJ-Q48,MJ-Q49, **MJ-Q30** We ShenZhen Alacrity Barcode Technology Co.,...

lang:en score:18 filesize: 112.24 K page\_count: 1 document date: 2024-05-15

## Letter of Authorization

ShenZhen Alacrity Barcode Technology Co.,Ltd  
Company: ShenZhen Alacrity Barcode Technology Co.,Ltd  
Address: Shenzhen Southern Pearl Technology Park, No.63, Yinghai Road,Dapeng,Longhua,Shenzhen

Product Name: ANIMAL CHIP READER  
Model Number: MJ-Q40, MJ-Q41,MJ-Q42, MJ-Q43, MJ-Q44, MJ-Q45,MJ-Q46,MJ-Q47,MJ-Q48, MJ-Q49, **MJ-Q30**

FCC Identifier: 2A4TH-MJ-Q40  
We authorize LGAI Technological Center S.A., Ronda de la Font del Carme, s/n, 08935 Bellaterra, Spain, is allowed to forward all information related to the above mentioned equipment, to act on our behalf in all matters concerning any issue concerning the approval application. Any and all acts carried out by LGAI Technological Center S.A. on our behalf shall have the same effect as acts of our own.

Name: Long Tang  
Date: 2024-05-20  
Title: Manager  
Signature of applicant:

## ShenZhen Alacrity Barcode Technology Co.,Ltd - Animal Chip Reader FCC Authorization Letter

Official Letter of Authorization from ShenZhen Alacrity Barcode Technology Co.,Ltd for their Animal Chip Reader product line (Models MJ-Q40 series) designating LGAI Technological Center S.A. to act on their behalf for FCC approval processes.

lang:en score:18 filesize: 151.83 K page\_count: 1 document date: 2024-05-20



## FCC Test Report

Report No: FCS202403310W02

Issued for

Applicant:	ShenZhen Alacrity Barcode Technology Co., Ltd
Address:	RF Building B Southern Pearl Technology Park, No.83, Yinghe Road, Dongguan, Longhu, Shenzhen
Product Name:	ANIMAL CHIP READER
Brand Name:	N/A
Model Name:	MJ-Q40
Series Model:	MJ-Q41, MJ-Q42, MJ-Q43, MJ-Q44, MJ-Q45, MJ-Q46, MJ-Q47, MJ-Q48, MJ-Q49, MJ-Q50
FCC ID:	2A4TH-MJ-Q40
Issued By:	Flux Compliance Service Laboratory Add: Room 105 Floor 8 Building B, Shenzhen Industrial Park, Shenzhen Hi-Tech Industrial, Shenzhen, China Tel: +86-755-27300011 Fax: +86-755-27300011 <a href="http://www.flux.com">http://www.flux.com</a>

## [pdf] Test Report

Measurement Report Kent Test report Enping Weiteng Audio Equipment Factory AR2090 2BGDV

2BGDVAR2090 ar2090

FCC Test Report Report No: FCS202403310W02 Issued for Applicant: Address:

Product Name: ShenZhen A ... Name: MJ-Q40 Series Model: MJ-Q41, MJ-Q42, MJ-Q43, MJ-Q44, MJ-Q45, MJ-Q46, MJ-Q47, MJ-Q48, MJ-Q49, **MJ-Q30** FCC ID:

2A4TH-MJ-Q40 Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Bao...

lang:en **score:15** filesize: 2.04 M page\_count: 31 document date: 2024-05-28



## FCC Test Report

Report No: FCS202403310W01

Issued for

Applicant:	ShenZhen Alacrity Barcode Technology Co., Ltd
Address:	RF Building B Southern Pearl Technology Park, No.83, Yinghe Road, Dongguan, Longhu, Shenzhen
Product Name:	ANIMAL CHIP READER
Brand Name:	N/A
Model Name:	MJ-Q40
Series Model:	MJ-Q41, MJ-Q42, MJ-Q43, MJ-Q44, MJ-Q45, MJ-Q46, MJ-Q47, MJ-Q48, MJ-Q49, MJ-Q50
FCC ID:	2A4TH-MJ-Q40
Issued By:	Flux Compliance Service Laboratory Add: Room 105 Floor 8 Building B, Shenzhen Industrial Park, Shenzhen Hi-Tech Industrial, Shenzhen, China Tel: +86-755-27300011 Fax: +86-755-27300011 <a href="http://www.flux.com">http://www.flux.com</a>

## [pdf] Test Report

Measurement Report Kent Test report Enping Weiteng Audio Equipment Factory AR2090 ANIMAL CHIP READER 2BGDV 2BGDVAR2090 ar2090

FCC Test Report Report No: FCS202403310W01 Issued for Applicant: Address:

Product Name: ShenZhen A ... me: Series Model: N/A MJ-Q40 MJ-Q41, MJ-Q42, MJ-Q43, MJ-Q44, MJ-Q45, MJ-Q46, MJ-Q47, MJ-Q48, MJ-Q49, **MJ-Q30** FCC ID:

2A4TH-MJ-Q40 Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Bao...

lang:en **score:15** filesize: 4.03 M page\_count: 38 document date: 2024-05-28



## FCC RF Exposure

EUT Description:2.4G Bluetooth Wireless Barcode Scanner  
Model No.: MJ-1930  
Series Model: MJ-1901, MJ-1902, MJ-1903, MJ-1904, MJ-1911, MJ-2020, MJ-Q10, MJ-Q20, MJ-Q30

FCC ID: 2A4TH-MJ-1930

Equipment type: Portable Device

### 1. Test Procedure

According to KDB 447498 D01 General RF Exposure Guidance V05

The 1- and 10-G SAR test results are measured at 100 MHz to 6 GHz at test separation distances < 20 mm are determined by:

[max. power of channel, excluding turn-up tolerance, mW] / [(V<sub>10GHz</sub>)] < 3.0 for 1-g SAR and < 7.5 for 10-g average SAR.

where:

R<sub>10GHz</sub> is the RF channel transmit frequency in GHz.

Power and distance are rounded to the nearest 0.1 W and 0.1 mm, respectively.

Test separation distance is the distance between the antenna and the human body.

The test separation distance is applied when the minimum test separation distance is < 20 mm and for transmission frequencies between 100 MHz and 6 GHz.

When the minimum test separation distance > 20 mm, a distance of 20 mm is applied to determine SAR test results.

### 2. Test Result of RF Exposure Evaluation

BLE

Mode	Channel frequency (MHz)	Maximum output power (mW)	Average SAR (g/g)	Average SAR (mg/mg)	Max base station power (mW)
2.4GHz	2400	0.54	1.3	0.0001677	0.0001677
2.4GHz	2400	0.54	1.3	0.0001677	0.0001677

[max. power of channel, including turn-up tolerance, mW] / [(V<sub>10GHz</sub>)] < 16.715 x 2.45240 / 0.77192 x 2.45240 of which no SAR required is < 2.0 for 1-g SAR. Separation distance is 20mm.

## [pdf] SAR Rating

Windows RF Exposure Shenzhen Alacrity Barcode Technology Co Ltd MJ 1930 2.4G Bluetooth Wireless Scanner 2A4TH 2A4TH MJ1930 mj

FCC RF Exposure EUT Description:2.4G/Bluetooth Wireless Barcode Scanner

ModelNo.:MJ-1930 Series Model: MJ-1901,MJ-1902, MJ-1903, MJ-1904, MJ-1911,

MJ-2020,MJ-Q10,MJ-Q20, **MJ-Q30** FCC ID: 2A4TH-MJ-1930 Equipment type:

Portable Device 1. Test Procedure According to KDB 447498 D01 General RF

Exposure Gui...

lang:en **score:15** filesize: 96.05 K page\_count: 2 document date: 2024-04-26