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› [MOCREO LS1 Waterproof Thermometer Instruction Manual](#)

## MOCREO LS1

# MOCREO LS1 Waterproof Thermometer Instruction Manual

Model: LS1

## 1. INTRODUCTION

Thank you for choosing the MOCREO LS1 Waterproof Thermometer. This device is designed for accurate and reliable temperature monitoring in various environments, including refrigerators, freezers, greenhouses, and warehouses. It provides real-time data and alerts when paired with the MOCREO H5Pro LoRa Hub and the MOCREO Smart App. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- Upgraded Waterproofing:** IP66 rated for use in humid environments like refrigerators, measuring from -0.4°F to 131°F with ±0.9°F accuracy.
- Long Range Connectivity:** Requires MOCREO H5Pro LoRa Hub (sold separately, ASIN B0DRHQT24P) for an open-air range of up to 1,640 ft (500m). Not compatible with H5Lite, H1B, H2 hubs.
- Instant Alerts:** Provides app notifications, email alerts, and an 80dB hub beep for critical temperature changes. Includes smart settings for low battery and anti-false alarms.
- Extended Battery Life:** Powered by three replaceable AAA batteries, offering up to 2 years of operation.
- 2 Years Data Logging:** No subscription required. View clear charts online and export up to 2 years of data in CSV format for analysis.

### 2.2 Package Contents

- 1 MOCREO LS1 Wireless Thermometer (three AAA batteries included)

### 2.3 Product Components



**Image 1:** The MOCREO LS1 Waterproof Thermometer sensor, a compact white device with a silver button and yellow accent.

# New Generation Upgrade

NEW2025

LS1



Long Range

1640ft/500m

Waterproof

Whole IP66

2 Years Battery Life

Replaceable

ST4



Short Range

131ft/40m

Waterproof

Only Probe Cable

2 Year Battery Life

Rechargeable

**Image 2:** Comparison of MOCREO LS1 and ST4 models, highlighting LS1's long range (1640ft/500m), whole IP66 waterproofing, and 2-year replaceable battery life.

# IP66 Waterproof



**Image 3:** Visual representation of the LS1 sensor's IP66 waterproof rating, showing it resistant to water splashes, ideal for humid environments.

# **2 Years Long Battery Life**

Three AAA replaceable batteries



**2**  
**YEARS**

**Image 4:** An internal view of the MOCREO LS1, illustrating the three AAA replaceable batteries that provide up to 2 years of operation.

## **3. SETUP INSTRUCTIONS**

### **3.1 Before You Begin**

- Ensure you have the MOCREO H5Pro LoRa Hub (ASIN B0DRHQT24P) as it is required for the LS1 sensor to function.
- Download the MOCREO Smart App from your device's app store.
- Ensure your H5Pro Hub is powered on and connected to your network.

### **3.2 Battery Installation**

1. Gently open the LS1 sensor casing to access the battery compartment.
2. Insert the three included AAA batteries, ensuring correct polarity (+/-).
3. Close the casing securely to maintain its IP66 waterproof rating.

### 3.3 Pairing with H5Pro Hub

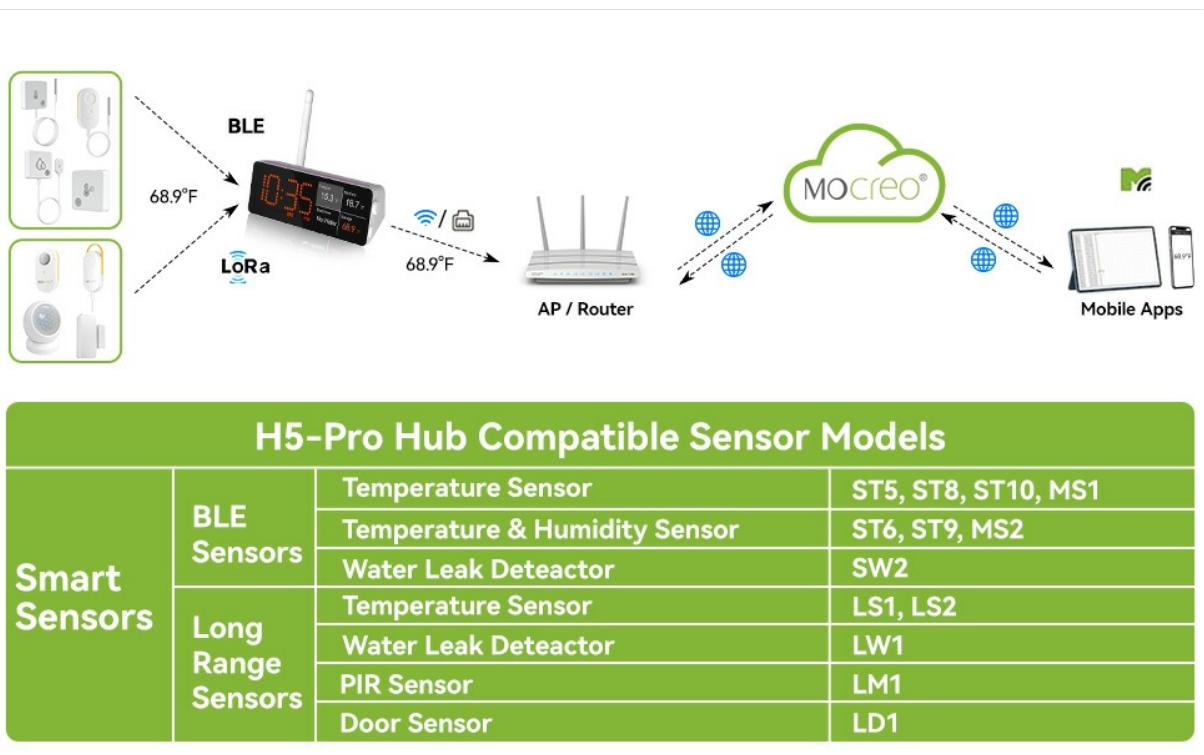
1. Open the MOCREO Smart App on your smartphone.
2. Follow the in-app instructions to add a new device.
3. Select the LS1 sensor from the list of available devices. The app will guide you through the pairing process with your H5Pro Hub.
4. Once paired, you can name the sensor and assign it to a specific location (e.g., 'Kitchen Fridge', 'Greenhouse').



**Image 5:** Diagram illustrating the long-range monitoring capability of the MOCREO LS1 sensors connecting wirelessly to the LoRa H5-Pro Hub over a wide area.



**Image 6:** An apartment building with multiple MOCREO sensors connected to a single H5Pro Hub, demonstrating the ability to add up to 100 sensors for comprehensive monitoring.



**Image 7:** A table listing various MOCREO smart sensors compatible with the H5-Pro Hub, categorized by BLE and Long Range sensors, including the LS1 and LS2 temperature sensors.

## 4. OPERATING INSTRUCTIONS

### 4.1 Real-time Monitoring

- Once paired, the LS1 sensor will begin transmitting temperature data to your H5Pro Hub, which then sends it to the MOCREO Smart App.
- Open the app to view real-time temperature readings for all your connected sensors.
- The app displays current temperatures and historical data in clear charts.

# 24/7 Remote Monitoring

Any where, any time, be alerted



App Notification



Email Alerts



Hub Beeping

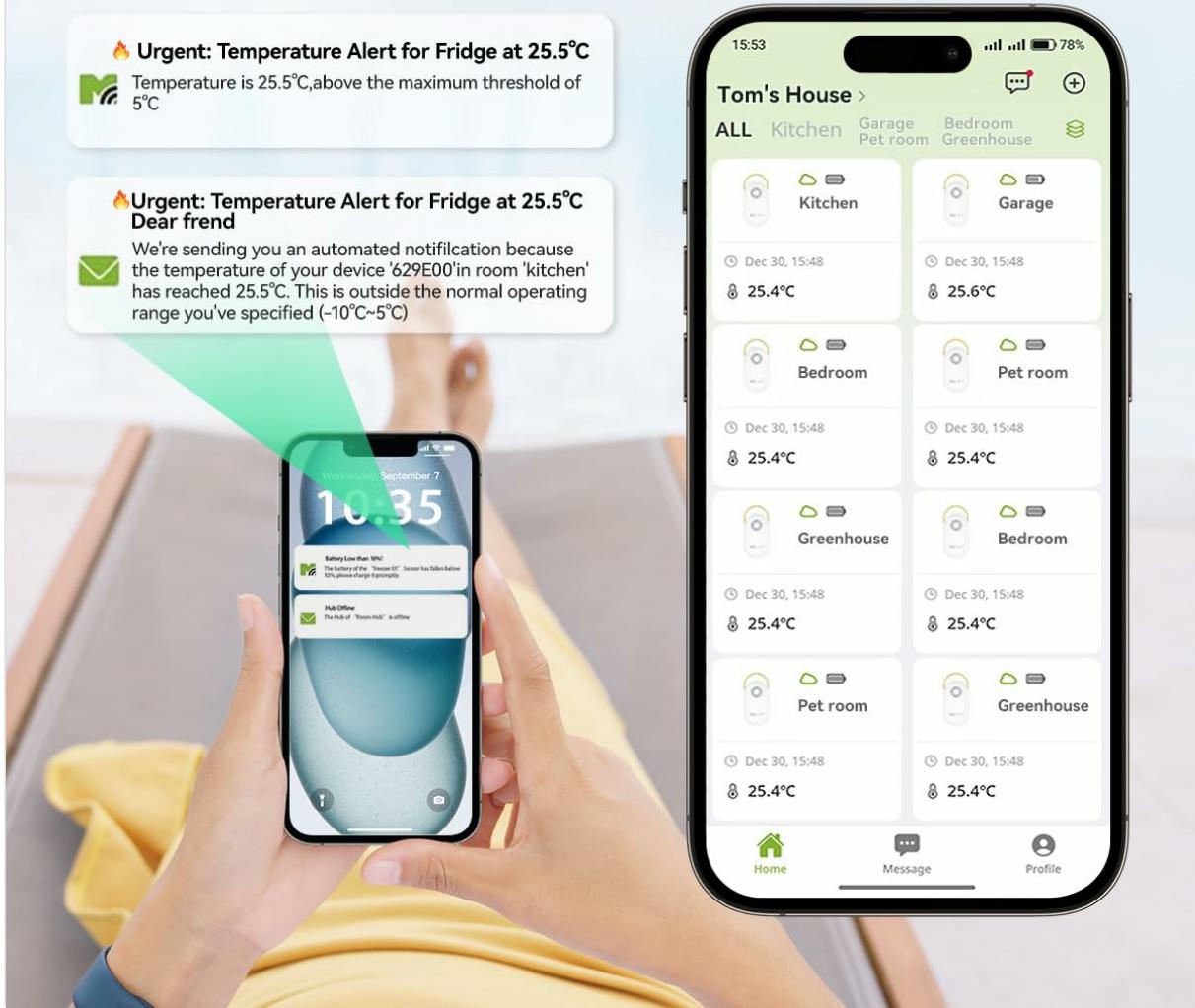


Image 8: A smartphone screen displaying the MOCREO Smart App interface, showing real-time temperature monitoring for multiple locations and alert notifications.

## 4.2 Alert System

- Configure temperature thresholds within the MOCREO Smart App for each sensor.
- When the temperature exceeds or falls below your set limits, you will receive instant alerts via:
  - App Notifications:** Push notifications directly to your smartphone.
  - Email Alerts:** Notifications sent to your registered email address.
  - Hub Beep:** An 80dB audible alarm from the H5Pro Hub.
- Utilize smart settings like "low battery alert" and "anti-false alarm" to enhance monitoring reliability.



**Image 9:** A user viewing urgent temperature alerts on their smartphone via the MOCREO Smart App, indicating a temperature deviation in a monitored area.

### 4.3 Data Logging and Export

- The LS1 sensor automatically logs temperature data for up to 2 years.
- Access historical data and charts directly within the MOCREO Smart App.
- Export data in CSV format for in-depth analysis by selecting the desired date range within the app.



**Image 10:** A smartphone screen showing the MOCREO Smart App's data export function, allowing users to select a date range and export temperature data in CSV format.

## 5. MAINTENANCE

## 5.1 Battery Replacement

- When the low battery alert is triggered, replace the three AAA batteries.
- Follow the steps in Section 3.2 for battery installation, ensuring the casing is sealed properly after replacement to maintain waterproofing.

## 5.2 Cleaning

- Wipe the sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the sensor is dry before placing it back in its monitoring environment.

# 6. TROUBLESHOOTING

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## 6.1 Common Issues

- **No Data in App:**

- Ensure the LS1 sensor has fresh batteries and is powered on.
- Verify the H5Pro Hub is online and connected to your network.
- Check the distance between the sensor and the hub; reduce obstacles if possible.
- Re-pair the sensor with the hub via the MOCREO Smart App.

- **Alerts Not Triggering:**

- Confirm that temperature thresholds are correctly set in the app.
- Check app notification settings on your smartphone.
- Verify email address for alerts is correct and check spam folders.

- **Inaccurate Readings:**

- Ensure the sensor is placed in a location that accurately reflects the environment you wish to monitor.
- Avoid placing the sensor near heat sources or direct sunlight unless intended.

# 7. SPECIFICATIONS

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## 7.1 Technical Specifications

Feature	Specification
Model Number	LS1
Temperature Range	-0.4°F to 131°F (-18°C to 55°C)
Temperature Accuracy	±0.9°F (±0.5°C)
Waterproof Rating	IP66
Power Source	3 x AAA Batteries (included)
Battery Life	Up to 2 years
Connectivity	LoRa (requires MOCREO H5Pro Hub)
Wireless Range	Up to 1,640 ft (500m) in open air
Data Logging	2 years, exportable in CSV format

Alert Types	App Notification, Email Alert, 80dB Hub Beep
Dimensions	5.2 x 2.44 x 1.54 inches
Weight	4.66 ounces
Color	White

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

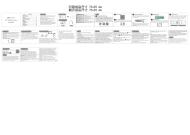
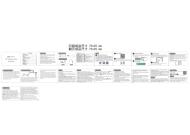
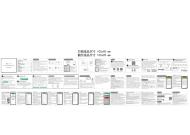
- 90-Day Satisfaction Guarantee:** MOCREO offers a 90-day 100% satisfaction guarantee, including money-back and free returns.
- 1-Year Warranty:** The MOCREO LS1 Waterproof Thermometer is covered by a 1-year warranty from the date of purchase.

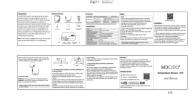
### 8.2 Customer Support

- For technical assistance, troubleshooting, or warranty claims, please contact MOCREO customer support.
- Online Support:** 24/7 online support is available. Refer to the MOCREO Smart App or the official MOCREO website for contact details.

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## Related Documents - LS1

	<p><a href="#"><u>Mocreo ST5 Temperature Sensor User Manual</u></a></p> <p>User manual for the Mocreo ST5 Temperature Sensor, detailing setup, installation, operation, troubleshooting, and specifications. This wireless sensor monitors temperature in real-time with alerts via email and app notifications.</p>
	<p><a href="#"><u>Mocreo LS1 Temperature Sensors User Manual</u></a></p> <p>User manual for the Mocreo LS1 wireless temperature sensor, detailing system operation, setup, specifications, precautions, FCC compliance, and warranty information for temperature monitoring in homes, laboratories, and storage facilities.</p>
	<p><a href="#"><u>Mocreo ST4 Temperature Sensor User Manual</u></a></p> <p>User manual for the Mocreo ST4 Temperature Sensor, providing detailed instructions on setup, installation, operation, troubleshooting, and specifications for remote temperature monitoring in various environments.</p>
	<p><a href="#"><u>MOCREO ST5 Temperature Sensor Kit User Manual and Setup Guide</u></a></p> <p>Comprehensive user manual for the MOCREO ST5 Temperature Sensors Kit, detailing setup, installation, app usage, troubleshooting, and warranty information for real-time temperature monitoring.</p>

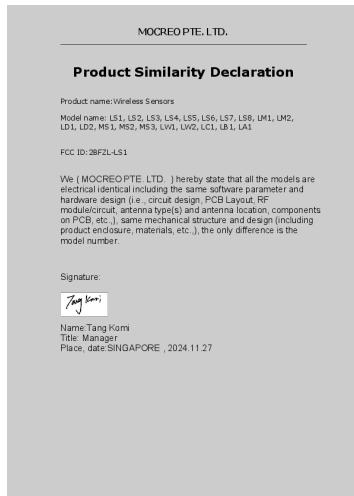
	<p><b>MOCREO ST5-H2 Wireless Temperature Sensor Kit User Manual</b></p> <p>User manual for the MOCREO ST5-H2 Wireless Temperature Sensor Kit, detailing setup, specifications, features like email/app alerts, and troubleshooting for monitoring temperature in refrigerators, freezers, and other environments.</p>
	<p><b>MOCREO ST4 Temperature Sensor User Manual and Specifications</b></p> <p>User manual for the MOCREO ST4 temperature sensor, detailing its features, specifications, setup, installation, and troubleshooting. Includes information on its waterproof probe, cloud connectivity, and operating range.</p>

## Documents - MOCREO – LS1



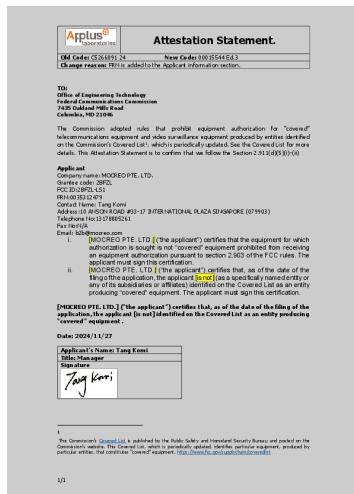
### Mocreo LS1 Temperature Sensors User Manual

User manual for the Mocreo LS1 wireless temperature sensor, detailing system operation, setup, specifications, precautions, FCC compliance, and warranty information for temperature monitoring in homes, laboratories, and storage facilities.  
lang:en score:42 filesize: 1.09 M page\_count: 1 document date: 2024-11-08



### [pdf] Declaration of Conformity

Model difference doc Administrator Family declaration MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1 MOCREO PTE. LTD. Product Similarity Declaration Product name:Wireless Sensors Model name: **LS1, LS2, LS3, LS4, LS5, LS6, LS7, LS8, LM1, LM2, LD1, LD2, MS1, MS2, MS3, LW1, LW2, LC1, LB1, LA1** FCC ID:2BFZL-**LS1** We MOCREO PTE. LTD. hereby state that all the models are electrical identical including th...  
lang:tl score:32 filesize: 77.43 K page\_count: 1 document date: 2024-11-29



### [pdf]

Microsoft Word 00015544 Annex docx Attestation Statement MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

Attestation Statement. Old Code: C5266091 24 New Code: 00015544 Ed.3 Change reason: FRN is added ... n 2.911 d 5 i - ii Applicant Company name: MOCREO PTE. LTD. Grantee code: 2BFZL FCC ID:2BFZL-**LS1** FRN:0035312479 Contact Name: Tang Komi Address:10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGA...  
lang:en score:31 filesize: 424.85 K page\_count: 1 document date: 2024-12-02

CS266091\_X8\_Ed.1

Letter of Authorization

MOCREO PTE. LTD.

Company: MOCREO PTE. LTD.  
Address: 10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE (079903)  
Phone: +65 6222 1000  
Product Name: Wireless Sensors  
Model Number: LS1, LS2, LS3, LS4, LS5, LS6, LS7, LS8, LM1, LM2, LD1, LD2, MS1, MS2, MS3, LW1, LW2, LC1, LB1, LA1  
FCC Identifier: 2BFZL

We authorize LGAI Technological Center S.A., Ronda de la Font del Carme, s/n, 08193 Bellaterra, Spain to act on our behalf on all matters concerning the above product.

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

We declare that, authorized LGAI Technological Center S.A., Ronda de la Font del Carme, s/n, 08193 Bellaterra, Spain, is allowed to forward all information related to the approval project to the Federal Communication Commission and to the International Telecommunication Agency application, and all acts carried out by LGAI Technological Center S.A. or partner shall have the same effect as acts of our own.

Name: Tang Komi Date: 2024-11-27  
Title: Manager  
Signature of applicant:  


U1

[pdf]

C5266091 X8 Letter of Authorization Agent v1 docx Administrator MOCREO PTE LTD LS1 2BFZL

2BFZLLS1 ls1

C5266091\_X8\_Ed.1 Letter of Authorization MOCREO PTE. LTD. Company: MOCREO PTE. LTD. Address: 10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE 079903 Product Name: Wireless Sensors Model Number: **LS1, LS2, LS3, LS4, LS5, LS6, LS7, LS8, LM1, LM2, LD1, LD2, MS1, MS2, MS3, LW1, LW2, LC1, LB1, LA1** FC...

lang:en **score:31** filesize: 74.38 K page\_count: 1 document date: 2024-11-29

US Agent for Service of Process LETTER OF ATTESTATION

TO: Office of Engineering Technology  
Federal Communications Commission  
445 7th Street, SW  
Washington, DC 20554  
Columbia, MD 20590

US Agent for Service of Process  
Company Name: MOCREO INTERNATIONAL INC.  
FCC ID: 2BFZL  
Address: 10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE (079903)  
Country: United States  
Phone: +65 6222 1000  
Email: USA.sathishmuni@gmail.com

Application  
Company Name: MOCREO PTE. LTD.  
Product Name: Wireless Sensors  
Grantee Code: 09252  
FCC ID: 2BFZL  
RNI: 0035312479  
Service Type: General  
Address: 10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE (079903)  
Telephone: +65 6222 1000  
Email: info@moocreosensor.com

**[MOCREO PTE. LTD.] certifies that, as of the date of this filing of the application for the device [2BFZL] in the above referenced [2BFZL], it is or will be the party providing the service described in the above referenced [2BFZL].**

**[MOCREO PTE. LTD.] accepts to maintain an agent for no longer than one year after the grantee has filed a new application for the device [2BFZL] in the above referenced [2BFZL] commission and proceeding equipment, [USA INTERNATIONAL INC.] accepts, as of the date of the filing of the application, the obligation of the designating agent to act on its behalf in the above referenced [2BFZL].**

**The [MOCREO PTE. LTD.] agrees to abide by the rules of and agrees to comply with the requirements outlined in the FCC Equipment Authorization Program, Report and Order FCC 22-94, and rules § 2.911.**

**The [MOCREO PTE. LTD.] agrees to abide by the rules of and agrees to comply with the requirements outlined in the FCC Equipment Authorization Program, Report and Order FCC 22-94, and rules § 2.911.**

The [MOCREO PTE. LTD.] agrees to abide by the rules of and agrees to comply with the requirements outlined in the FCC Equipment Authorization Program, Report and Order FCC 22-94, and rules § 2.911.

U1

[pdf]

C5266091 X23 Ed2 US Agent docx Administrator MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

US Agent for Service of Process LETTER OF ATTESTATION TO: Office of Engineering Technology Federal C ... company name: MOCREO PTE. LTD. Product Description: Wireless Sensors Grantee code:2BFZL FCC ID:2BFZL-**LS1** FRN0035312479 Contact Name:Tang Komi Address:10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE ...

lang:en **score:31** filesize: 206.83 K page\_count: 2 document date: 2024-11-29

Thank you for choosing MOCREO!  
To help you better understand our products, we've prepared this handy brochure. Inside, you'll find detailed information, features, and a selection guide designed to provide you with a comprehensive reference.

**Small Area Monitoring**  
If you are looking to monitor a small area such as a garage or kitchen, we recommend using BLE Sensors (Bluetooth Low Energy Sensors). These products can cover monitoring ranges up to 16-40 feet, ensuring comprehensive monitoring of the target area with robust signal coverage.

**Large Area Monitoring**  
For monitoring larger areas like entire houses or garages, we suggest our LoRa Sensors. These products can cover monitoring ranges up to 16-40 feet, ensuring comprehensive monitoring of the target area with robust signal coverage.

**Standalone Monitoring**  
If you require products that operate without the need for a hub, we offer a range of Standalone products. These products are user-friendly and can operate independently without a central control device, allowing for quick deployment and monitoring.

**BLE Sensor**

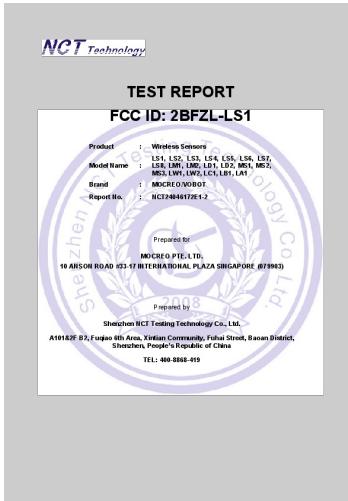
	ST5	MS1
Function	Temperature	Temperature
Measuring Range	-40°F+221°F (-40°C+105°C)	-40°F+221°F (-40°C+105°C)
Accuracy	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Battery Life	2-Year Battery Life; Rechargeable	2-Year Battery Life; Rechargeable
Buzzer	/	/
Work with Hubs	All MOCREO Hubs	HS1/HS2, HS Pro
Compatible App	MOCREO Sensor App, MOCREO Smart App	MOCREO Smart App

**ST5**

	ST5	ST5	EM2
Function	Temperature, Humidity	Temperature	Water Leakage Detection
Measuring Range	-40°F+221°F (-40°C+105°C)	-40°F+221°F (-40°C+105°C)	/
Accuracy	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)	/
Battery Life	3-Year Battery Life; Rechargeable	2-Year Battery Life; Rechargeable	3-Year Battery Life; Rechargeable
Buzzer	/	10dB Loud Alarm	10dB Loud Alarm
Work with Hubs	All MOCREO Hubs	HS1/HS2, HS Pro	All MOCREO Hubs
Compatible App	MOCREO Sensor App, MOCREO Smart App	MOCREO Smart App	MOCREO Smart App

[pdf] Guide Declaration of Conformity Borchure

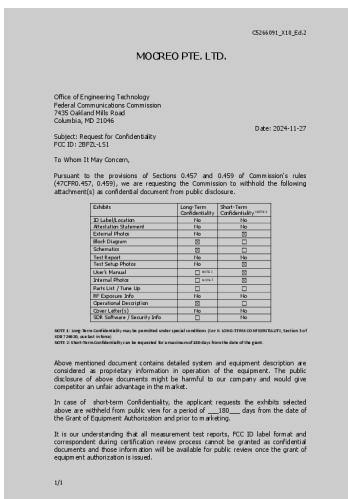
MOCREO Product Comparison v1 0 doc moocreo âº resources product comparison How t Ensuring Vaccine Safety Advanced Monitoring for Optimal Storage Temperature Controller ST7 CL 16 3 2025 — If you are looking to monitor a small area such as garage or kitchen we recommend using BLE Sensors Bluetooth Low Energy sensors Thank choosing MOCREO! To help better understand our products 39 we prepared this handy brochure Inside II find detailed information features and selection guide designed provide with comprehensive reference Always Connected LoRa Hub H5 Pro Can You Verify if the Freezer s Automatic Defrost Feature Is Working Properly ST5 MS1 Large Area Standalone handy ||| Thank you for choosing MOCREO To help you better understand our products, we've prepared this handy ... 200C 1.8F 2-Year Battery Life; Rechargeable / All MOCREO Hubs MOCREO Sensor App MOCREO Smart App **LS1** Temperature -0.4F- 131F -18- 55C 0.9F 0.5C 2-Year Battery Life;Replaceable H5-Pro MOCREO Sma...  
lang:en **score:31** filesize: 2.48 M page\_count: 2 document date: 2025-03-14



## [FCC Test Report for MOCREO/VOBOT Wireless Sensors \(FCC ID: 2BFZL-LS1\)](#)

This document is an FCC test report for MOCREO/VOBOT Wireless Sensors, model LS1 and series models, FCC ID: 2BFZL-LS1. It details conducted and radiated emissions, bandwidth, and frequency tolerance tests performed by Shenzhen NCT Testing Technology Co., Ltd.

lang:en score:29 filesize: 1.18 M page\_count: 29 document date: 2024-12-03

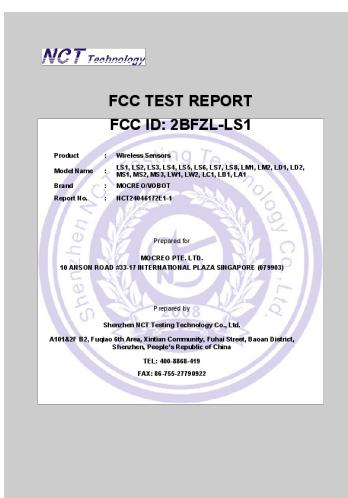


## [\[pdf\] Confidentiality Request Letter](#)

C5266091 X10 Ed2 Request for Confidentiality1 Long docx Administrator Confidentiality MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

MOCREO PTE. LTD. C5266091\_X10\_Ed.2 Office of Engineering Technology Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046  
Subject: Request for Confidentiality FCC ID: 2BFZL-**LS1** Date: 2024-11-27 To Whom It May Concern, Pursuant to the provisions of Sections 0.457 and 0.459...

lang:en score:29 filesize: 158.54 K page\_count: 2 document date: 2024-11-29



## [\[pdf\] Declaration of Conformity Test Report](#)

NCT24046172E1 1 FCC ID BLE report doc Administrator Test MOCREO PTE LTD LS1 Wireless Sensors 2BFZL 2BFZLLS1 ls1

FCC TEST REPORT FCC ID: 2BFZL-**LS1** Product Model Name Brand Report No. : Wireless Sensors : **LS1**, LS2, LS3, LS4, LS5, LS6, LS7, LS8, LM1, LM2, LD1, LD2, MS1, MS2, MS3, LW1, LW2, LC1, LB1, LA1 : MOCREO/VOBOT : NCT24046172E1-1 Prepared for MOCREO PTE. LTD. 10 ANSON ROAD #33-17 INTERNATIONAL PLAZA...

lang:en score:28 filesize: 815.68 K page\_count: 31 document date: 2024-12-03

Inverted F Antenna Specification

Summary		ANT SPEC					
ITEM	ITEM	2.4G ANT		5.8G ANT			
Model Name		Horizontal	Vertical				
Center Frequency	2400MHz / 2450MHz / 2500MHz / 2400MHz / 2450MHz / 2500MHz						
MAX. Gain	-1.26	-0.76	-0.58	-5.25	-2.46	-1.86	
Polarization	Horizontal and Vertical						
Azimuth Beam Pattern	Omni-directional						
Impedance	50 Ohm						
Manufacturer	MOCREO PTE LTD						

Antenna Photo & Length (mm)



FCC ID: 2BFZL-LS1

**RF Exposure Evaluation**  
According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2 1093. Unless specifically required by the published RF exposure KDB procedures, standalone 1-head or body and 10-g extremity SAR evaluation for general population exposure conditions, by ...  
The SAR test exclusion condition, is not met. The corresponding SAR Test Exclusion Threshold condition, listed below, is (are) satisfied.

For 100 MHz to 1 GHz and test separation distances  $\leq 5$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:  
[max power of antenna, including tuner (dBm) / 1000] mm test separation distance, mm,  $\leq 1.25$  mm,  $\leq 5.00$  mm,  $\leq 7.50$  mm 10-g extremity SAR, where  
 $\epsilon_{\text{RF}}$  is the RF channel transmit frequency in GHz.

Power and distance are rounded to the nearest mW/mm and mm before calculation. The result is rounded to one decimal place for comparison.

Here,

	Model	Frequency (MHz)	Max Power (dBm)	Target Power (dBm)	Max Power up power tolerance (dBm)	Min Power (mW)	Min Distance (mm)	Calc. threshold (mm)	Unit
BLE	BT	2.402	0.2	0.110	1	1.259	5.00	0.990	3.0
	BT	2.403	0.28	0.110	1	1.259	5.00	0.969	3.0
	BT	2.404	0.12	0.110	1	1.259	5.00	0.967	3.0
Lora	BT	915	-46	-5.110	-4	0.368	5.00	0.123	3.0
	BT	916	-46	-5.110	-4	0.368	5.00	0.123	3.0

Remarks:  
1.  $\text{ERP} = \text{E}_{\text{av}} \times 2\pi \log(d_{\text{av}}) + 1.147$   
 $\text{ERP}$  is the equivalent isotropically radiated power, in dBm  
 $\text{E}_{\text{av}}$  is the field strength of the emission at the measurement distance, in dBu/m  
 $d_{\text{av}}$  is the measurement distance, in m  
 $\text{E}_{\text{av}} = \text{E}_{\text{av}} \times 10^{\text{dB}_{\text{av}}/10}$   
 $\text{dB}_{\text{av}} = 4.65 \log(d_{\text{av}}) - 1.147$   
2. BT Antenna gain is -0.58 dB, Lora(915MHz) Antenna gain is 3 dB  
3. BT and Lora can be used simultaneously  
4. The test data is not suitable for Lora and BT.  
The Max Calc. Thresholds: BT: 0.397, Lora: 0.123  
BT and Lora: 0.397/0.123=3.172 < 1  
So a SAR test is not required

[\[pdf\]](#) Specifications Declaration of Conformity

Microsoft Word Inverted F Antenna Specification doc Administrator MOCREO PTE LTD LS1 Wireless Sensors 2BFZL 2BFZLLS1 ls1

MOCREO PTE. LTD. Address:10 ANSON ROAD #33-17 INTERNATIONAL PLAZA SINGAPORE 079903 Summary ITEM Model Name Center Frequency MAX. Gain Polarization Azimuth Beam Pattern Impedance Inverted F Antenna Specification ANT SPEC 2.4G ANT Horizontal Vertical 2400MHz 2450MHz 2500MHz 2400MHz 2450MHz 250...

lang:fr score:25 filesize: 1.63 M page\_count: 3 document date: 2024-12-04

FCC ID: 2BFZL-LS1

[\[pdf\]](#) Declaration of Conformity SAR Rating

FCC MPE doc Administrator MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

FCC ID:2BFZL-LS1 RF Exposure Evaluation According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093 Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by ...

lang:en score:20 filesize: 121.73 K page\_count: 1 document date: 2024-12-04

Table of Contents	
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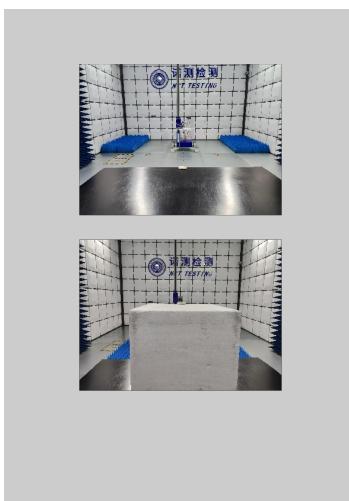


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External EUT photos doc Administrator MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

External Photos ...

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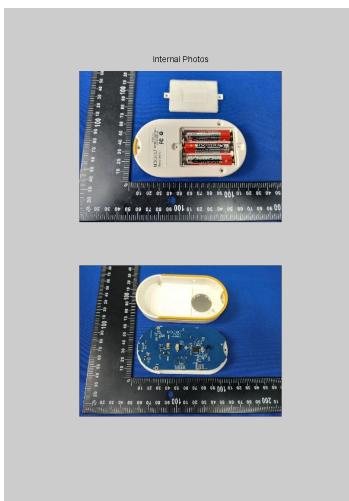


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Test Photo doc Administrator photo MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

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Internal EUT photos doc Administrator MOCREO PTE LTD LS1 2BFZL 2BFZLLS1 ls1

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lang:en score:14 filesize: 826.13 K page\_count: 2 document date: 2024-11-29

红心天线 ISO 9001质量管理体系认证

Shenzhen Red Heart technology Electronics Co., LTD

深圳市红心科技电子有限公司

产品承认书  
SPECIFICATION FOR APPROVAL

公司名称: 915 Spring Antenna  
Product: 915 Spring Antenna  
Model: HX-TH915-2481-AZLH  
客户料号:  
规 格: 详见规格书  
日 期: 2024-09-25

客户回答:

工程部	品质部	批准
庄伟峰	张欢	刘卢

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Dalian Community, Futian Street, Baoan District, Shenzhen

## [Shenzhen Red Heart Technology Electronics Co., LTD - 915 Spring Antenna Specification](#)

Product specification for the 915 Spring Antenna (Model: HX-TH915-2481-AZLH) from Shenzhen Red Heart Technology Electronics Co., LTD. Includes technical parameters, performance data, and dimensional drawings.

lang:en score:14 filesize: 1.83 M page\_count: 5 document date: 2024-12-04

