

# TEST REPORT

Product Name : RF Remote Transmitter  
Model Number : 6006041  
FCC ID : 2BEK8-6006041

Prepared for : Lamplight Farms, Inc.  
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA

Prepared by : EMTEK (NINGBO) CO., LTD.  
Address : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China

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Report Number : ENB2404260039W00102R  
Date(s) of Tests : April 26, 2024 to May 09, 2024  
Date of Issue : May 17, 2024

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## Test Report Description

Applicant : Lamplight Farms, Inc.  
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA  
Manufacturer : Lamplight Farms, Inc.  
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA  
EUT : RF Remote Transmitter  
Model Name : 6006041  
Trademark : TIKI Brand

The device described above is tested by EMTEK (NINGBO) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (NINGBO) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (NINGBO) CO., LTD.

Date of Test : April 26, 2024 to May 09, 2024



June Gao/Engineer

Prepared by : June Gao



Lucas Xu/Supervisor

Reviewer : Lucas Xu

Lucas Xu/Supervisor

Approved & Authorized Signer : Tony Wei

Tony Wei/Manager



## Modified Information

Version	Report No.	Revision Date	Summary
/	ENB2404260039W00102R	/	Original Report



## 1. Facilities And Accreditations

### 1.1. Test Facility

All measurement facilities used to collect the measurement data are located at

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China  
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 32.

### 1.2. LABORATORY ACCREDITATIONS AND LISTINGS

#### Site Description

EMC Lab.

#### : Accredited by CNAS

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with  
CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

#### Designation by FCC

Designation Number: CN1354

Test Firm Registration Number: 427606

#### Accredited by A2LA

The Certificate Number is 4321.03.

The certificate is valid until May 31, 2025

#### Designation by Industry Canada

The Conformity Assessment Body Identifier is CN0114

#### Name of Firm

Site Location

: EMTEK (NINGBO) CO., LTD.

: No. 8, Building 8, Lane 216, Qingyi Road, Hi-Tech Zone, Ningbo,  
Zhejiang, China

## 2. General Product Information

Characteristics	Description
<b>Product:</b>	RF Remote Transmitter
<b>Model Number:</b>	6006041
<b>Sample Number:</b>	ENB2404260039W001-1-1
<b>Modulation:</b>	OOK
<b>Operating Frequency:</b>	433.88MHz
<b>Number of Channels:</b>	1 channel
<b>Max Transmit Power:</b>	68.76 dBuV/m
<b>Antenna Type :</b>	PCB Antenna
<b>Antenna Gain:</b>	-1.62 dBi
<b>Power supply:</b>	DC 3V
<b>Temperature Range:</b>	-10°C ~ +40°C
<b>Date of Received:</b>	April 26, 2024

*Note: for more details, please refer to the User's manual of the EUT.*

### 3. Test Results

Maximum measured transmitter power:

$$\text{EIRP} = E + 20 \log(d) - 104.7 = 68.76 + 9.54 - 104.7 = -26.4 \text{ dBm}$$

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
433.88	OOK	-26.4 dBm	-14.0	0.0008	3

Conclusion:

For the max result :  $0.0008 \leq 3.0$  for 1-g SAR.

\*\*\* End of Report \*\*\*



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